

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\
 Data File : BF087120.D
 Acq On : 17 May 2016 23:54
 Operator : UM/SJ
 Sample : PB90666BS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB90666BS

Manual Integrations
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Quant Time: May 18 03:27:10 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	142040	20.00	ng	-0.01
21) Naphthalene-d8	7.88	136	591704	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	299420	20.00	ng	-0.01
63) Phenanthrene-d10	11.11	188	553863	20.00	ng	-0.01
75) Chrysene-d12	13.74	240	398631	20.00	ng	-0.02
86) Perylene-d12	15.10	264	376004	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	696892	82.47	ng	-0.01
7) Phenol-d6	6.26	99	882531	77.87	ng	-0.02
23) Nitrobenzene-d5	7.16	82	889828	74.95	ng	-0.02
41) 2,4,6-Tribromophenol	10.42	330	239676	72.44	ng	-0.02
44) 2-Fluorobiphenyl	8.96	172	1443323	79.83	ng	-0.02
78) Terphenyl-d14	12.70	244	1545127	87.68	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.12	88	133592	30.73	ng	# 59
3) Pyridine	2.74	79	337048	32.05	ng	# 66
4) n-Nitrosodimethylamine	2.71	42	286107	38.39	ng	# 49
6) Aniline	6.26	93	246534	17.12	ng	# 57
8) 2-Chlorophenol	6.39	128	393042	38.23	ng	97
9) Benzaldehyde	6.15	77	23093	2.76	ng	94
10) Phenol	6.27	94	535475	37.58	ng	75
11) bis(2-Chloroethyl)ether	6.34	93	422172	39.46	ng	96
12) 1,3-Dichlorobenzene	6.52	146	387475m	35.45	ng	
13) 1,4-Dichlorobenzene	6.60	146	398936m	35.67	ng	
14) 1,2-Dichlorobenzene	6.76	146	365324	37.32	ng	98
15) Benzyl Alcohol	6.76	79	346230	41.03	ng	95
16) 2,2'-oxybis(1-Chloropropan	6.89	45	803619	36.54	ng	70
17) 2-Methylphenol	6.89	107	313066	37.08	ng	# 80
18) Hexachloroethane	7.10	117	152054	35.57	ng	99
19) n-Nitroso-di-n-propylamine	7.03	70	336702	39.08	ng	# 74
20) 3+4-Methylphenols	7.04	107	444184	39.88	ng	# 61
22) Acetophenone	7.02	105	560350	38.70	ng	99
24) Nitrobenzene	7.19	77	460728	35.54	ng	99
25) Isophorone	7.43	82	808917	37.22	ng	98
26) 2-Nitrophenol	7.51	139	213546	39.77	ng	# 85
27) 2,4-Dimethylphenol	7.56	122	374304	40.84	ng	89
28) bis(2-Chloroethoxy)methane	7.64	93	478356	40.09	ng	# 98
29) 2,4-Dichlorophenol	7.76	162	339230	42.01	ng	98
30) 1,2,4-Trichlorobenzene	7.83	180	346051	38.62	ng	99
31) Naphthalene	7.91	128	1118921	38.70	ng	100
32) Benzoic acid	7.72	122	189424	34.68	ng	# 79
33) 4-Chloroaniline	7.98	127	126196	10.50	ng	95
34) Hexachlorobutadiene	8.02	225	201884	39.70	ng	99
35) Caprolactam	8.35	113	111517m	41.47	ng	
36) 4-Chloro-3-methylphenol	8.48	107	401825	41.25	ng	92
37) 2-Methylnaphthalene	8.59	142	717185	38.78	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.76	216	328337	37.54	ng	98
40) Hexachlorocyclopentadiene	8.74	237	248263	74.15	ng	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.89	196	217049	38.27	nq	93
43) 2,4,5-Trichlorophenol	8.94	196	230601	39.14	nq #	85
45) 1,1'-Biphenyl	9.06	154	952123	38.35	nq	98
46) 2-Chloronaphthalene	9.08	162	727965	38.19	nq	98
47) 2-Nitroaniline	9.20	65	287051	39.30	nq	97
48) Acenaphthylene	9.50	152	1116207	38.35	nq	99
49) Dimethylphthalate	9.37	163	877461	38.42	nq	99
50) 2,6-Dinitrotoluene	9.44	165	199734	40.27	nq	91
51) Acenaphthene	9.67	154	718752	39.53	nq	98
52) 3-Nitroaniline	9.61	138	86600	16.13	nq	98
53) 2,4-Dinitrophenol	9.72	184	211973	74.91	nq	90
54) Dibenzofuran	9.84	168	973216	41.39	nq	95
55) 4-Nitrophenol	9.80	139	204633m	61.48	nq	
56) 2,4-Dinitrotoluene	9.84	165	235049	37.00	nq #	41
57) Fluorene	10.18	166	811642	42.96	nq	100
58) 2,3,4,6-Tetrachlorophenol	9.96	232	189685	41.34	nq	97
59) Diethylphthalate	10.07	149	797400	36.57	nq	99
60) 4-Chlorophenyl-phenylether	10.17	204	324883	36.28	nq	96
61) 4-Nitroaniline	10.23	138	207851	39.21	nq #	76
62) Azobenzene	10.33	77	946363	37.66	nq	83
64) 4,6-Dinitro-2-methylphenol	10.25	198	134385	36.84	nq #	38
65) n-Nitrosodiphenylamine	10.30	169	664087	38.10	nq	99
66) 4-Bromophenyl-phenylether	10.66	248	235401	41.33	nq	91
67) Hexachlorobenzene	10.72	284	250155	37.88	nq #	65
68) Atrazine	10.83	200	192081	33.78	nq	94
69) Pentachlorophenol	10.92	266	210749	84.96	nq	98
70) Phenanthrene	11.13	178	1060846	35.31	nq	100
71) Anthracene	11.19	178	1242295	40.89	nq	100
72) Carbazole	11.35	167	999796	36.02	nq	98
73) Di-n-butylphthalate	11.68	149	1254496	39.35	nq #	98
74) Fluoranthene	12.32	202	1260541	41.88	nq	91
76) Benzydine	12.46	184	147900	11.15	nq	96
77) Pyrene	12.54	202	1136429	39.46	nq	100
79) Butylbenzylphthalate	13.17	149	534195	43.94	nq #	59
80) Benzo(a)anthracene	13.73	228	936017	40.61	nq	100
81) 3,3'-Dichlorobenzidine	13.70	252	192129	13.10	nq #	96
82) Chrysene	13.76	228	896707	40.21	nq	99
83) Bis(2-ethylhexyl)phthalate	13.74	149	669611	45.26	nq #	99
84) Di-n-octyl phthalate	14.34	149	1221800	47.94	nq #	85
85) Indeno(1,2,3-cd)pyrene	16.34	276	803596	41.05	nq	95
87) Benzo(b)fluoranthene	14.73	252	1004305m	40.26	nq	
88) Benzo(k)fluoranthene	14.75	252	752585m	40.53	nq	
89) Benzo(a)pyrene	15.04	252	804559	38.59	nq	98
90) Dibenzo(a,h)anthracene	16.34	278	673259	38.35	nq	97
91) Benzo(g,h,i)perylene	16.71	276	666622	37.60	nq #	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

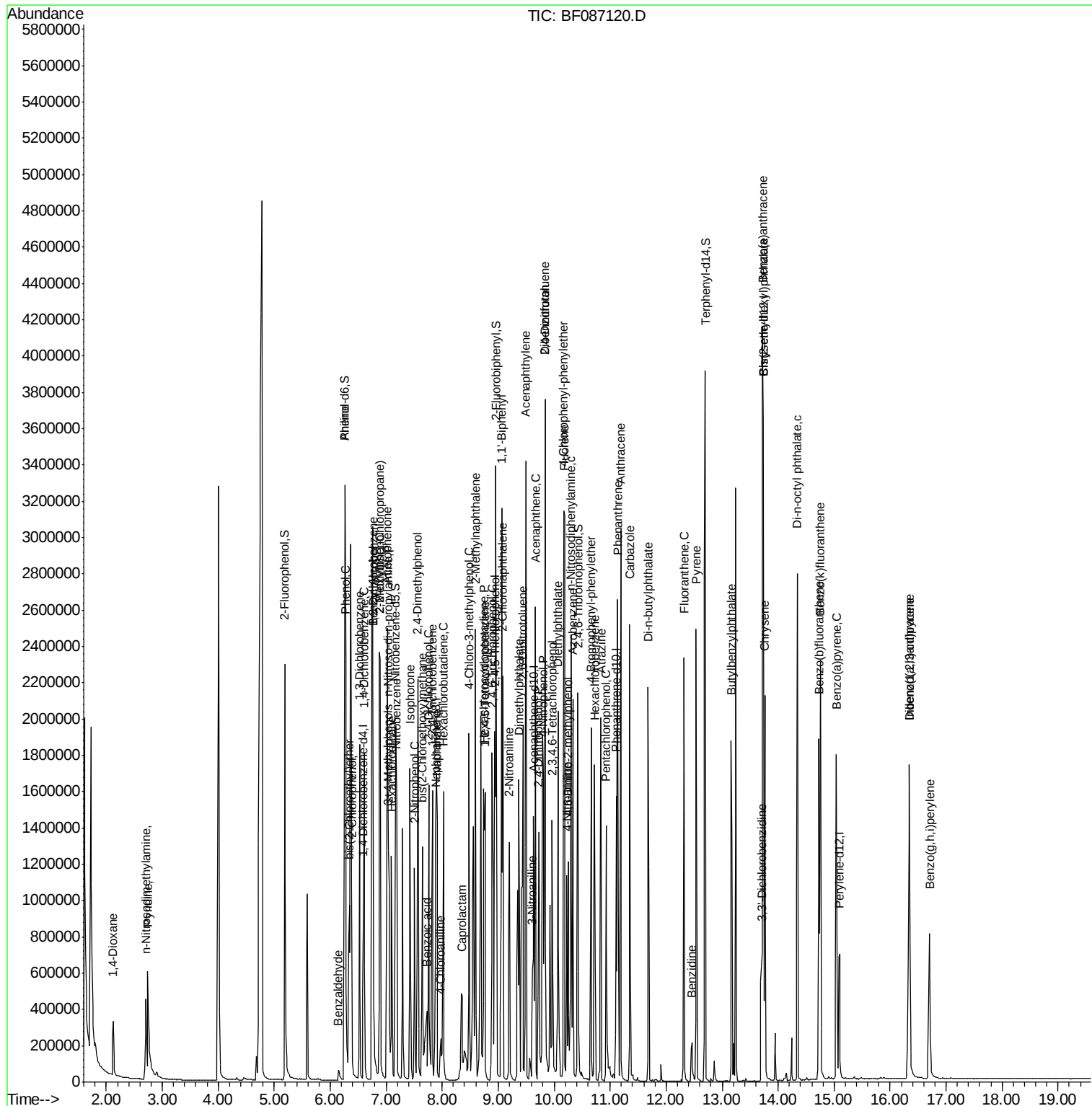
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Operator  : UM/SJ  
Sample    : PB90666BS  
Misc      :  
ALS Vial  : 22      Sample Multiplier: 1
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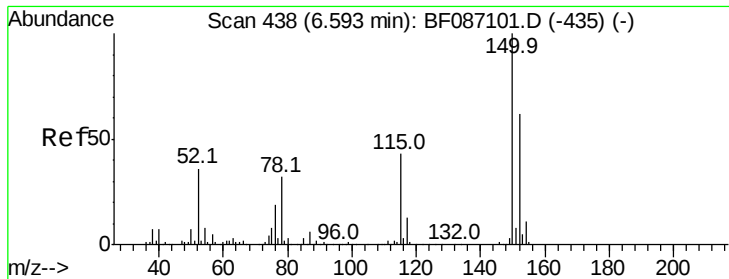
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BNA_F
ClientSampleId :
PB90666BS

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#1

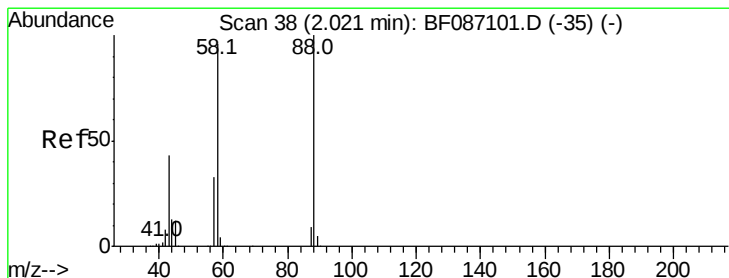
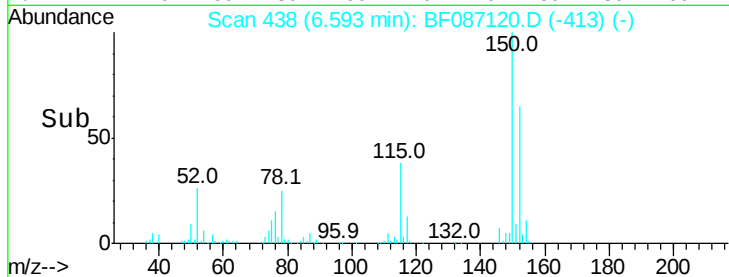
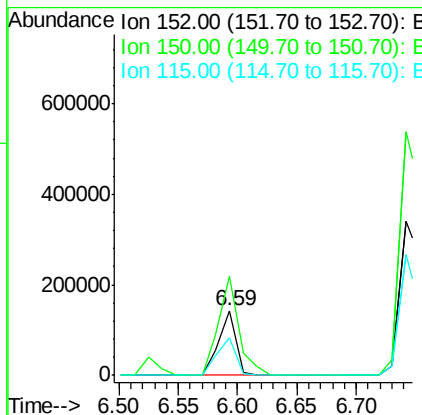
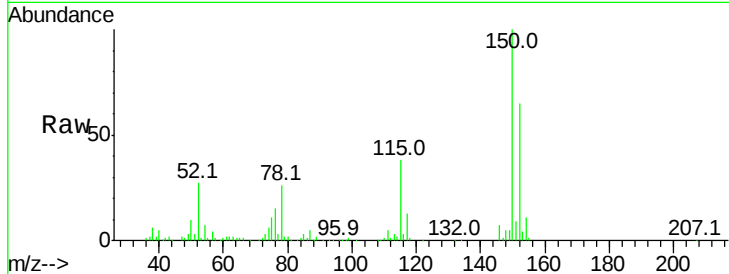
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.59 min Scan# 438
Delta R.T. -0.01 min
Lab File: BF087120.D
Acq: 17 May 2016 23:54

Instrument :
BNA_F
ClientSampleId :
PB90666BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	125.8	188.6
115	59.1	51.5	77.3

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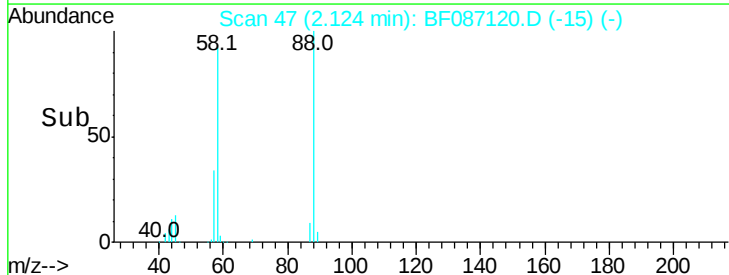
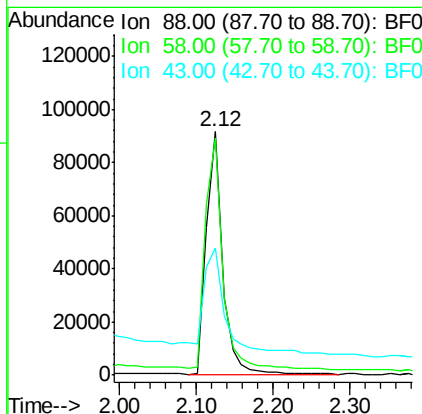
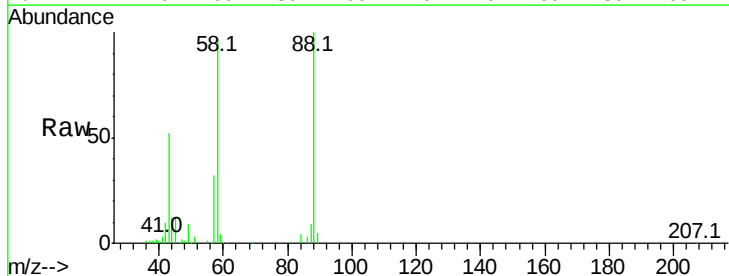
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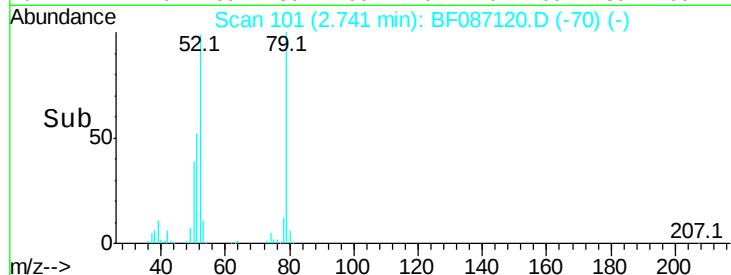
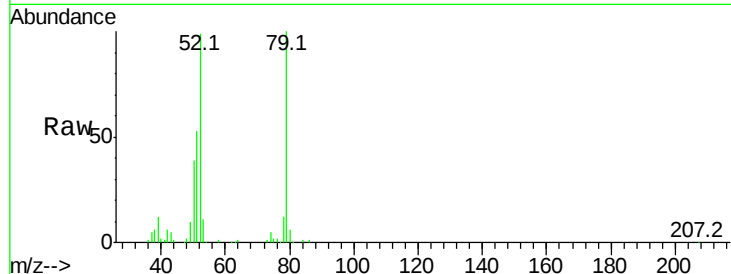
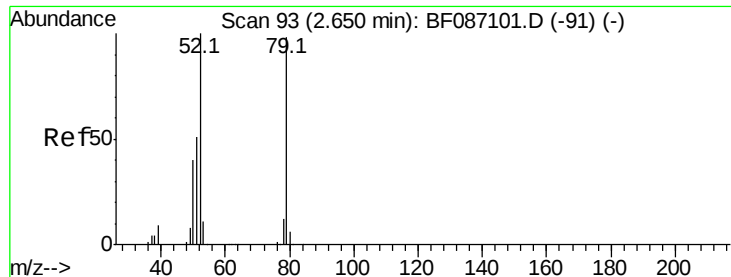


#2

1,4-Dioxane
Concen: 30.73 ng
RT: 2.12 min Scan# 47
Delta R.T. 0.07 min
Lab File: BF087120.D
Acq: 17 May 2016 23:54

Tgt Ion	Ratio	Lower	Upper
88	100		
58	101.6	59.6	89.4#
43	61.6	21.8	32.6#





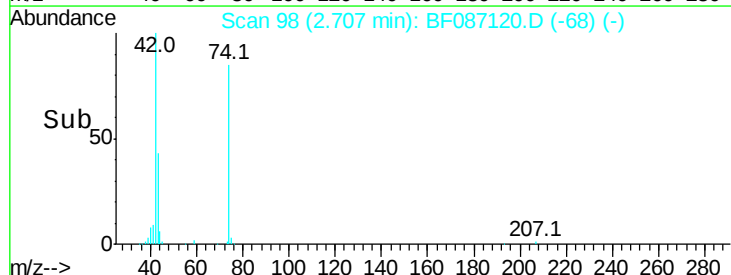
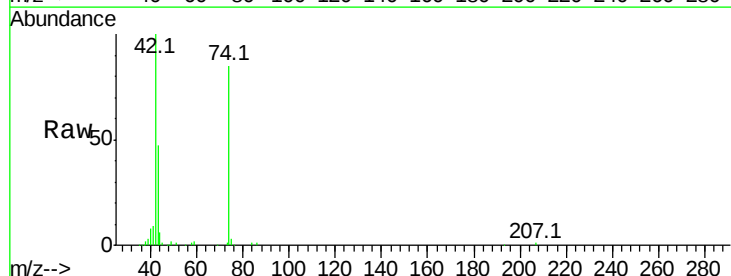
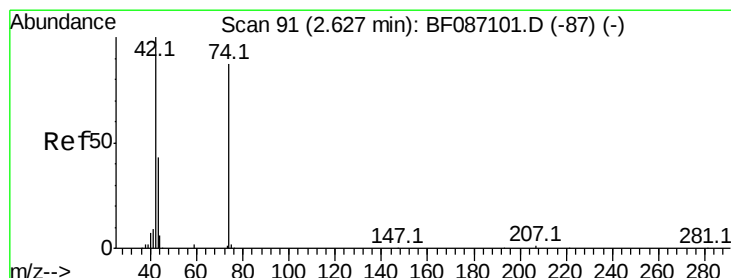
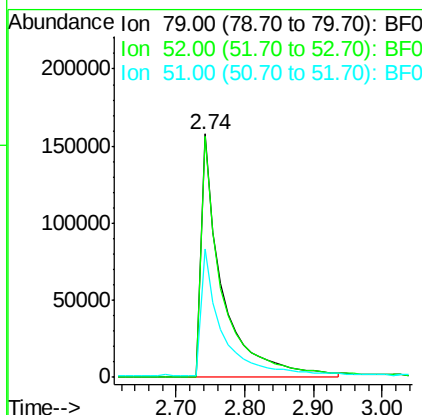
#3
 Pvridine
 Concen: 32.05 ng
 RT: 2.74 min Scan# 101
 Delta R.T. 0.06 min
 Lab File: BF087120.D
 Acq: 17 May 2016 23:54

Tot Ion	Ratio	Lower	Upper
79	100		
52	99.1	55.9	83.9#
51	52.8	28.1	42.1#

Instrument :
 BNA_F
 ClientSampleId :
 PB90666BS

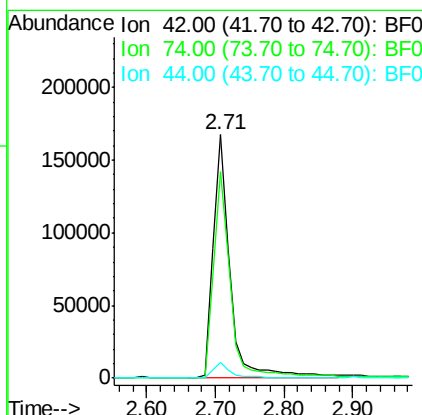
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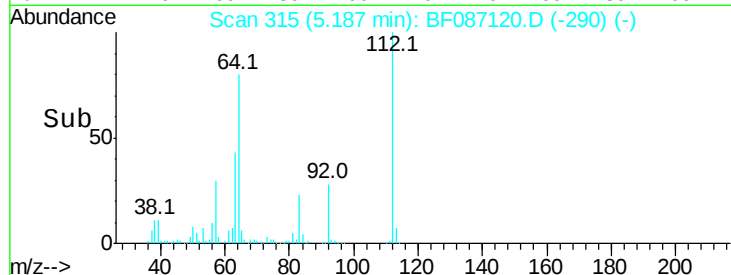
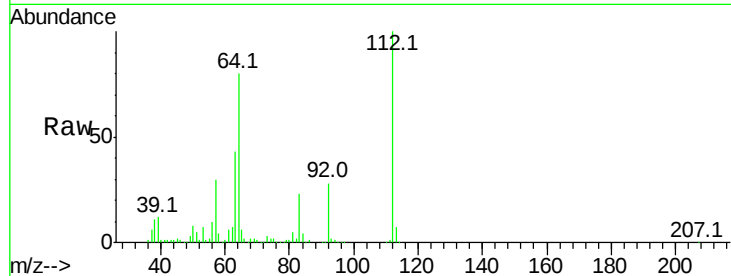
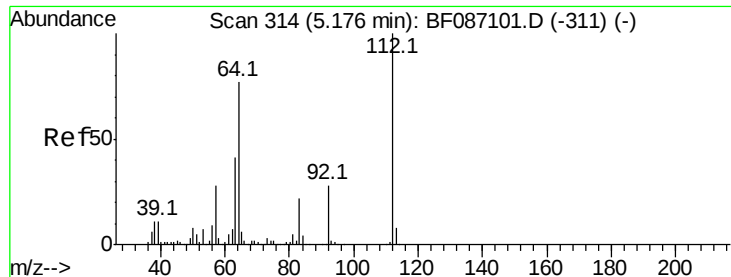
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#4
 n-Nitrosodimethylamine
 Concen: 38.39 ng
 RT: 2.71 min Scan# 98
 Delta R.T. 0.05 min
 Lab File: BF087120.D
 Acq: 17 May 2016 23:54

Tgt Ion	Ratio	Lower	Upper
42	100		
74	85.0	123.4	185.0#
44	6.3	5.8	8.6





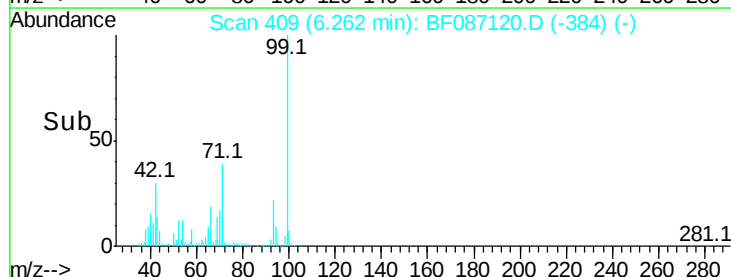
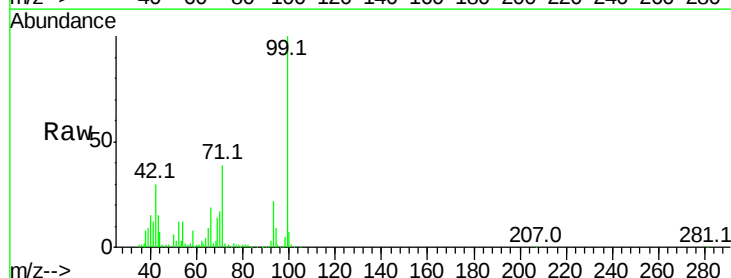
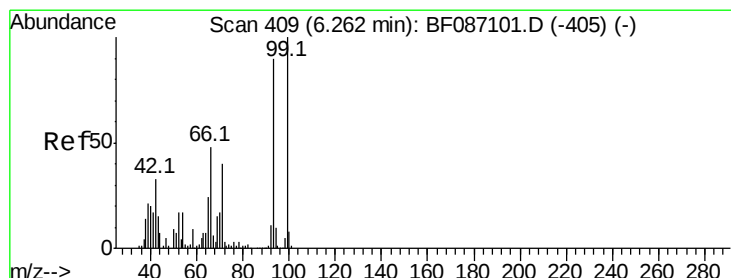
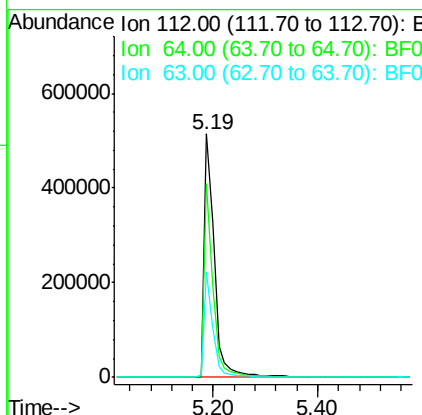
#5
2-Fluorophenol
Concen: 82.47 ng
RT: 5.19 min Scan# 315
Delta R.T. -0.01 min
Lab File: BF087120.D
Acq: 17 May 2016 23:54

Tot Ion	Ratio	Resp Lower	Upper
112	100		
64	79.5	52.1	78.1#
63	43.0	25.7	38.5#

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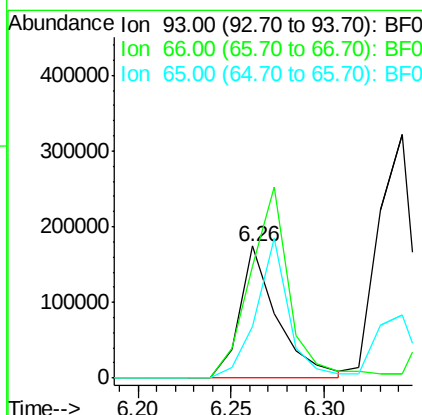
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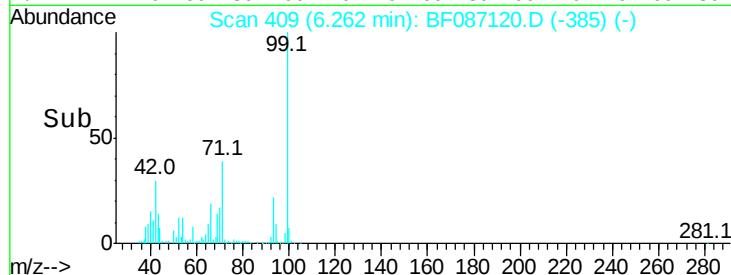
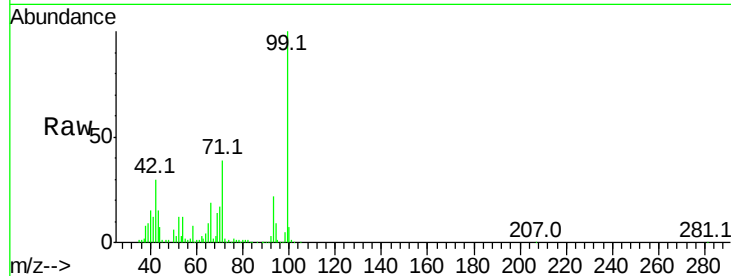
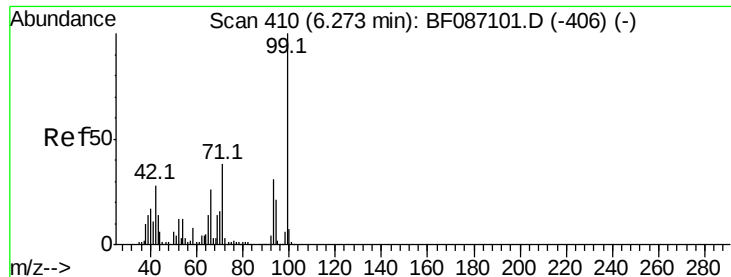
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#6
Aniline
Concen: 17.12 ng
RT: 6.26 min Scan# 409
Delta R.T. -0.01 min
Lab File: BF087120.D
Acq: 17 May 2016 23:54

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
66	84.6	39.0	58.6#
65	39.1	20.6	31.0#





#7

Phenol-d6

Concen: 77.87 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.02 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Tot Ion	99	Resp	882531
Ion Ratio	Lower	Upper	
99	100		
42	30.2	13.6	20.4#
71	38.7	24.6	36.8#

Instrument :

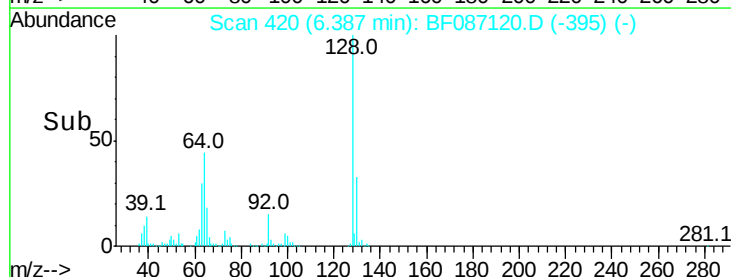
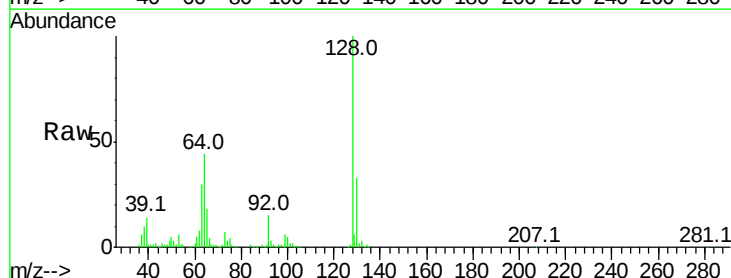
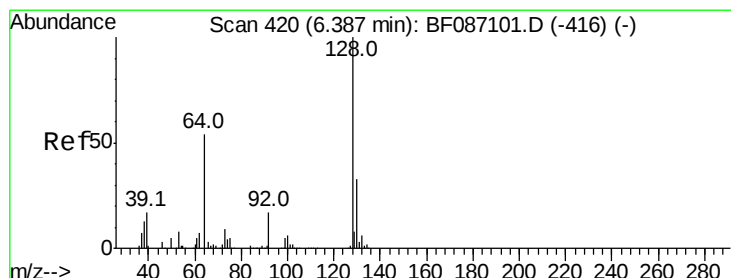
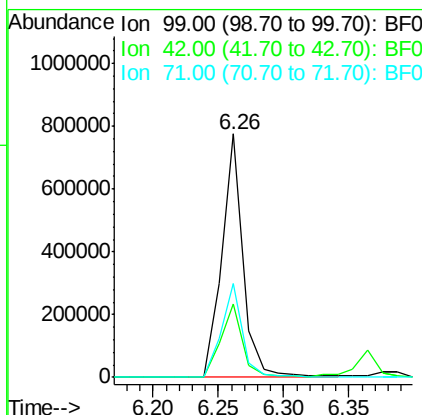
BNA_F

ClientSampled :

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#8

2-Chlorophenol

Concen: 38.23 ng

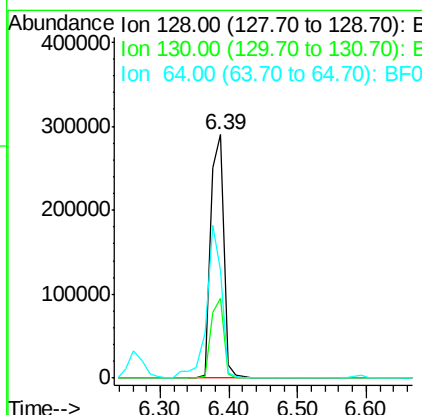
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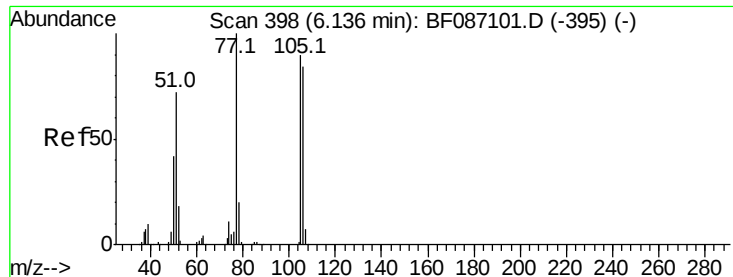
Delta R.T. -0.01 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Tgt Ion	128	Resp	393042
Ion Ratio	Lower	Upper	
128	100		
130	32.9	12.5	52.5
64	44.3	27.3	67.3





#9

Benzaldehyde

Concen: 2.76 ng

RT: 6.15 min Scan# 399

Delta R.T. 0.00 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Instrument :

BNA_F

ClientSampleID :

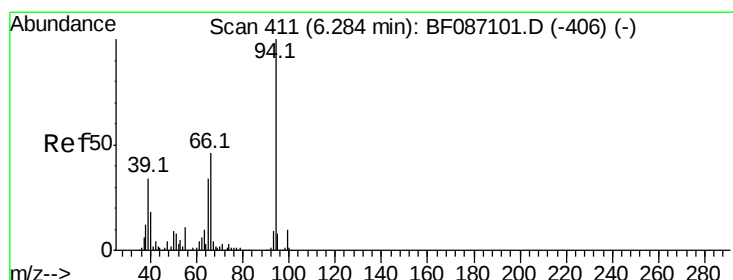
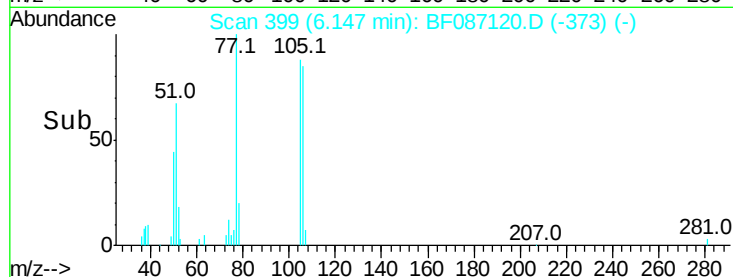
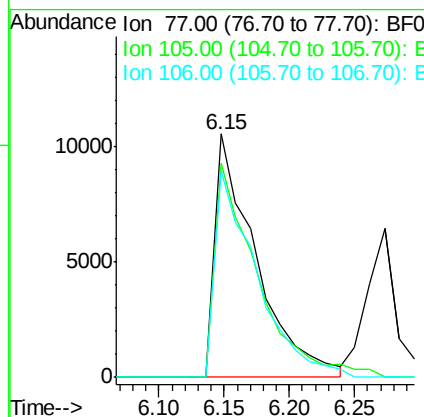
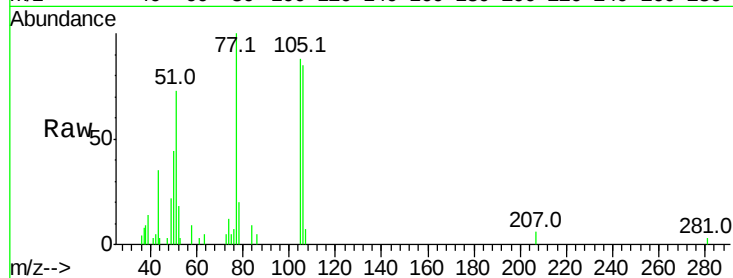
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Tot Ion:	77	Resp:	23093
Ion	Ratio	Lower	Upper
77	100		
105	87.9	72.7	112.7
106	84.8	70.8	110.8



#10

Phenol

Concen: 37.58 ng

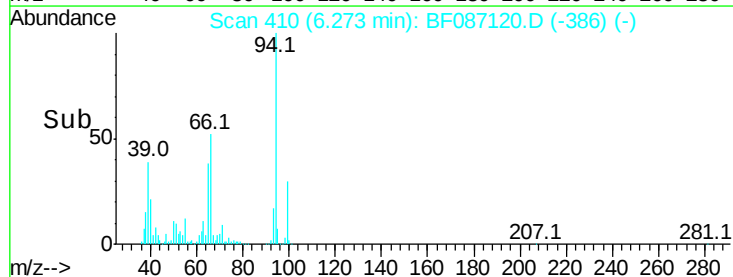
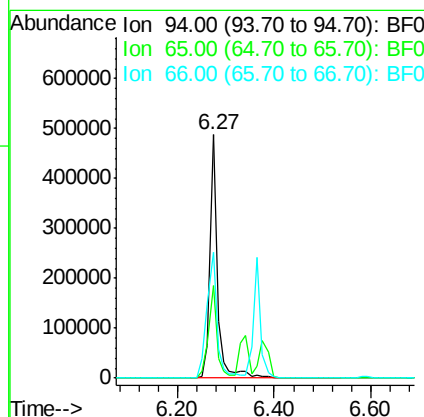
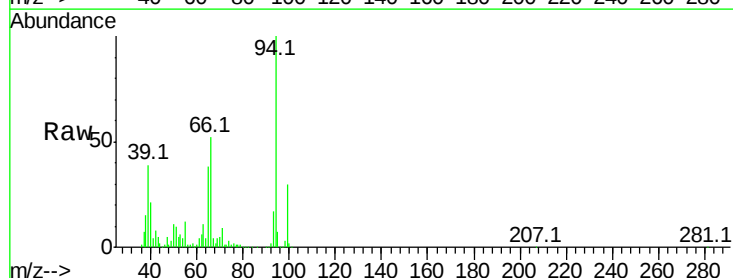
RT: 6.27 min Scan# 410

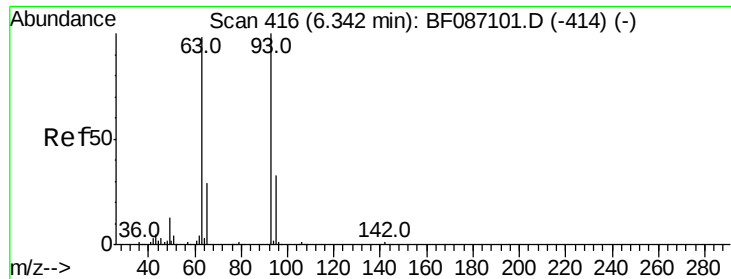
Delta R.T. -0.02 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Tgt Ion:	94	Resp:	535475
Ion	Ratio	Lower	Upper
94	100		
65	37.8	7.2	47.2
66	51.9	14.9	54.9





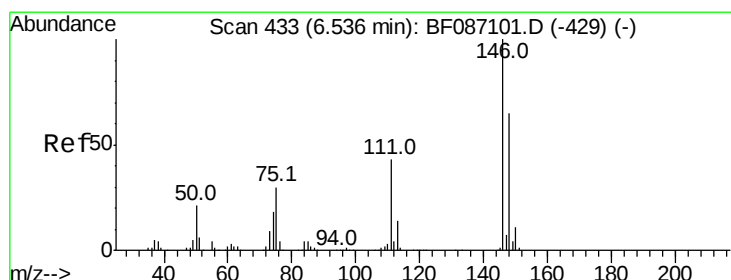
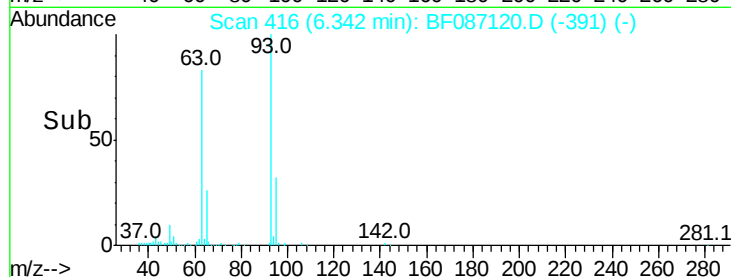
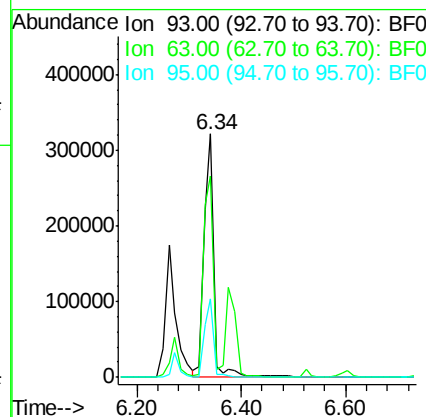
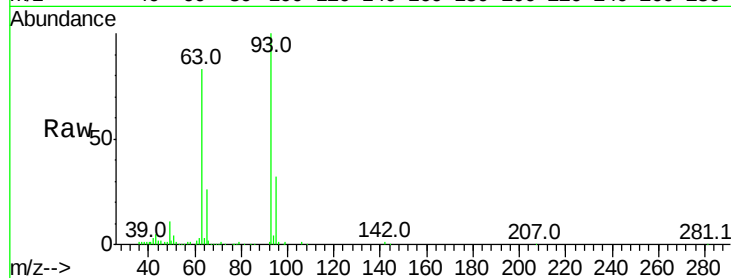
#11
bis(2-Chloroethyl)ether
Concen: 39.46 ng
RT: 6.34 min Scan# 416
Delta R.T. -0.01 min
Lab File: BF087120.D
Acq: 17 May 2016 23:54

Instrument :
BNA_F
ClientSampleId :
PB90666BS

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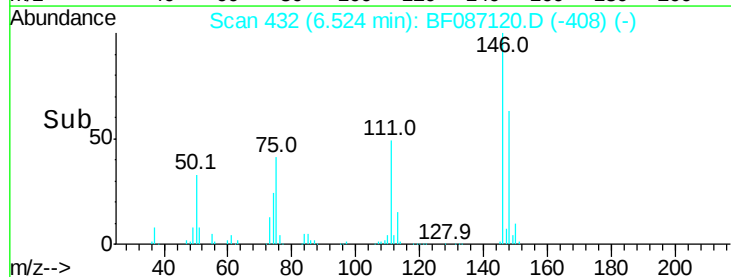
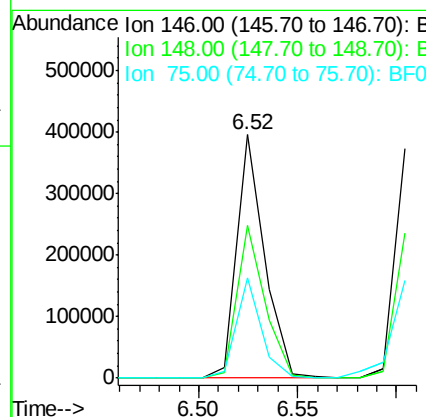
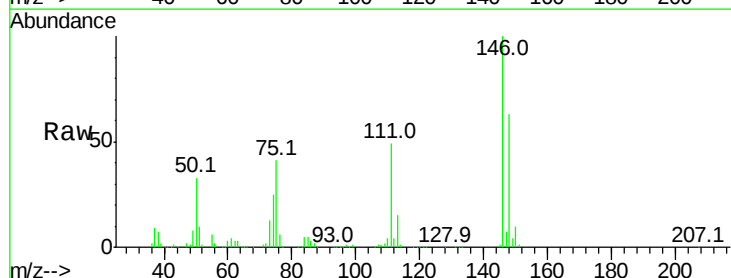
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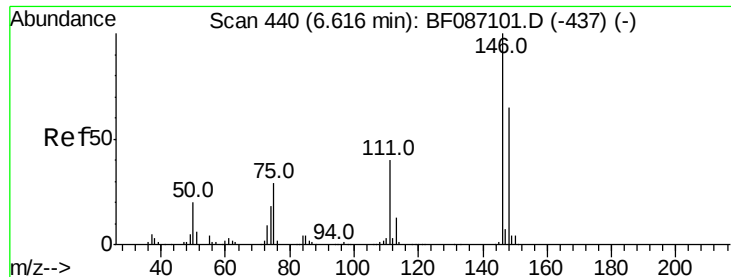
Tot Ion	Ratio	Lower	Upper
93	100		
63	82.8	58.0	98.0
95	32.0	11.9	51.9



#12
1,3-Dichlorobenzene
Concen: 35.45 ng m
RT: 6.52 min Scan# 432
Delta R.T. -0.02 min
Lab File: BF087120.D
Acq: 17 May 2016 23:54

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.5	52.4	78.6
75	41.3	22.8	34.2#





#13

1,4-Dichlorobenzene

Concen: 35.67 ng

RT: 6.60 min Scan# 439

Delta R.T. -0.02 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Instrument :

BNA_F

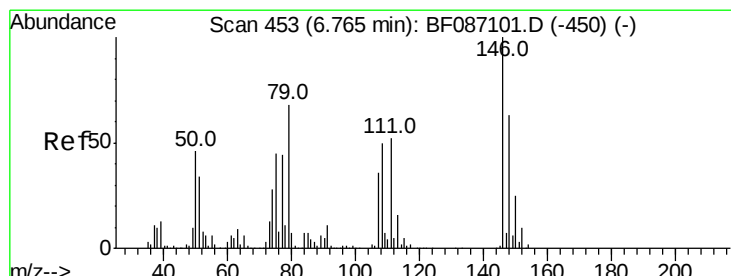
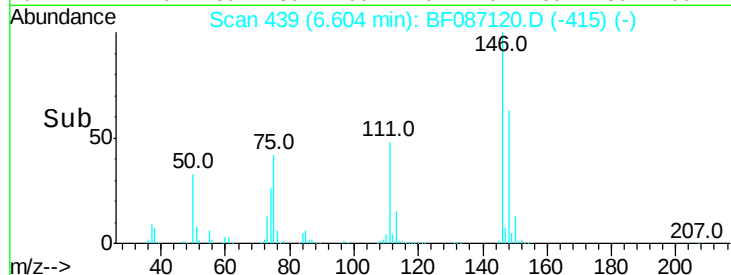
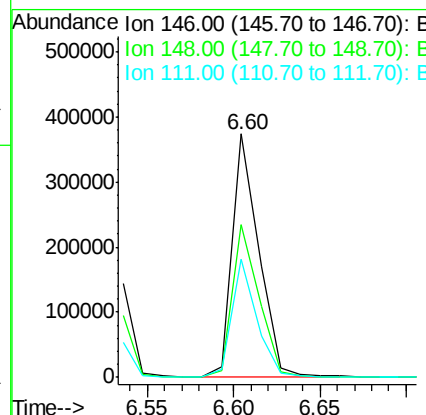
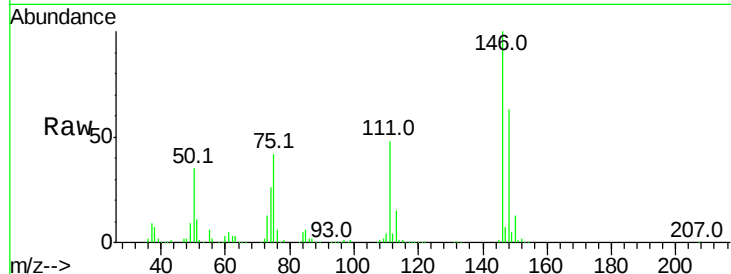
ClientSampled :

PB90666BS

Tot Ion:	146	Resp:	398936
Ion Ratio	Lower	Upper	
146	100		
148	62.9	52.2	78.4
111	48.5	30.7	46.1

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 37.32 ng

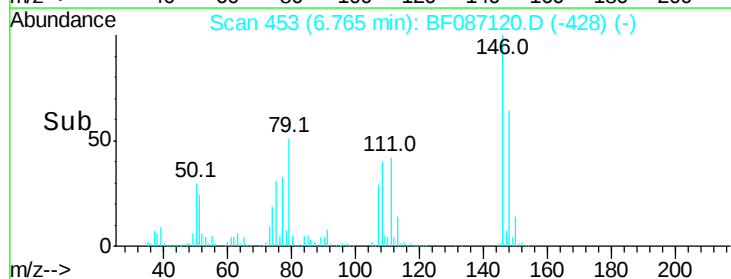
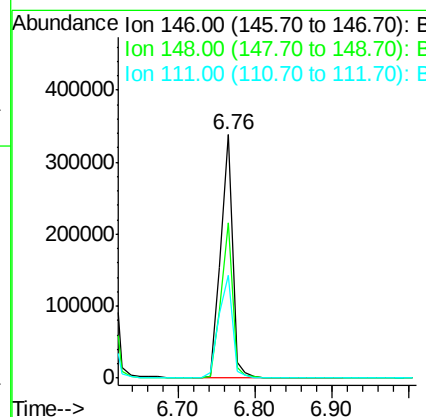
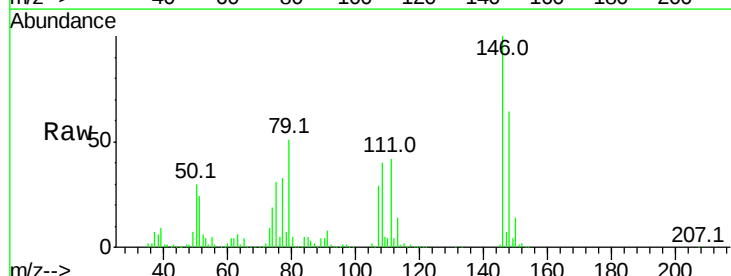
RT: 6.76 min Scan# 453

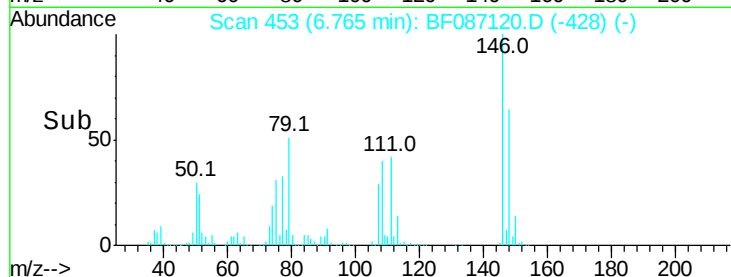
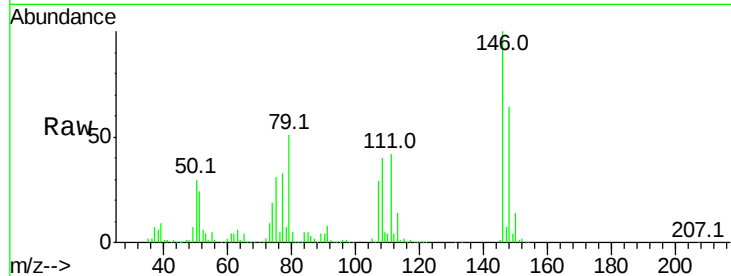
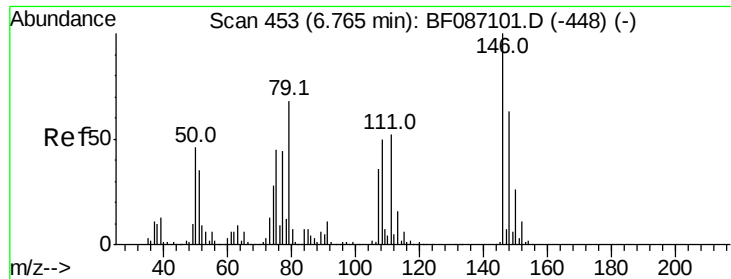
Delta R.T. -0.01 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Tgt Ion:	146	Resp:	365324
Ion Ratio	Lower	Upper	
146	100		
148	63.9	51.0	76.6
111	42.5	36.2	54.4





#15

Benzyl Alcohol

Concen: 41.03 ng

RT: 6.76 min Scan# 453

Delta R.T. -0.01 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Tot Ion:	79	Resp:	346230
Ion Ratio	Lower	Upper	
79	100		
108	78.2	68.4	102.6
77	63.6	50.6	76.0

Instrument :

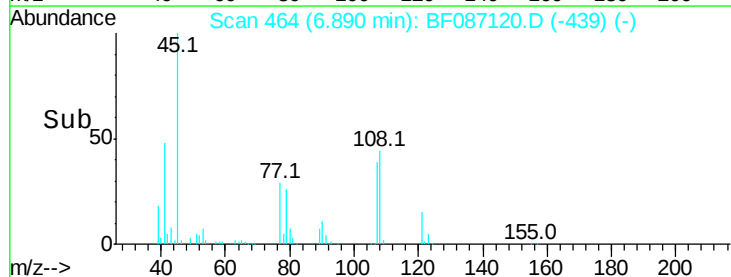
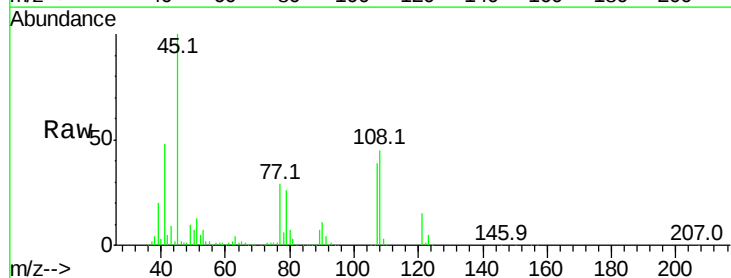
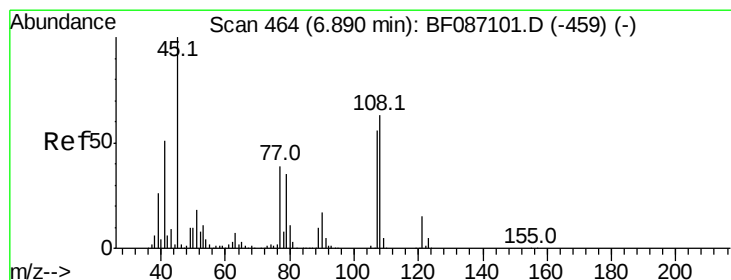
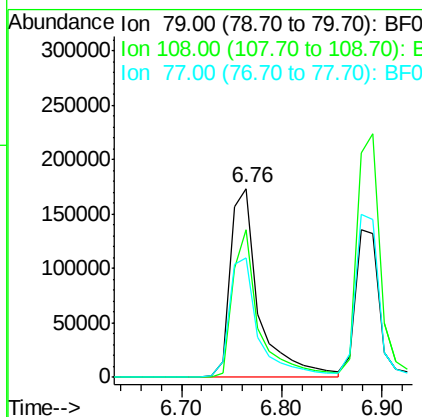
BNA_F

ClientSampled :

PB90666BS

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.54 ng

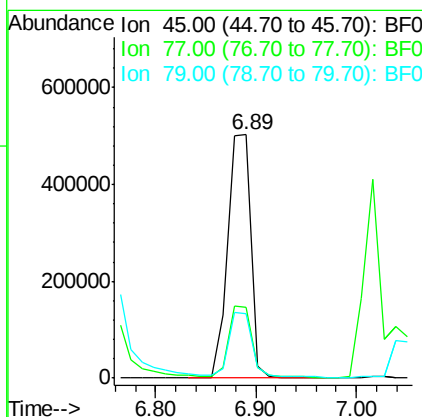
RT: 6.89 min Scan# 464

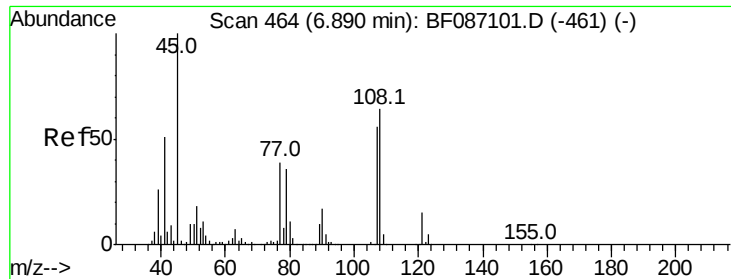
Delta R.T. -0.01 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Tgt Ion:	45	Resp:	803619
Ion Ratio	Lower	Upper	
45	100		
77	28.9	0.0	36.4
79	26.3	0.0	33.4





#17

2-Methylphenol

Concen: 37.08 ng

RT: 6.89 min Scan# 464

Delta R.T. -0.01 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Instrument :

BNA_F

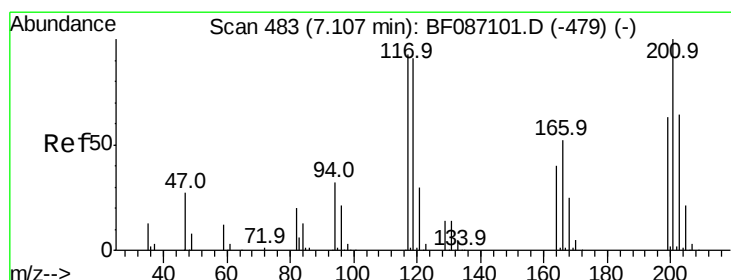
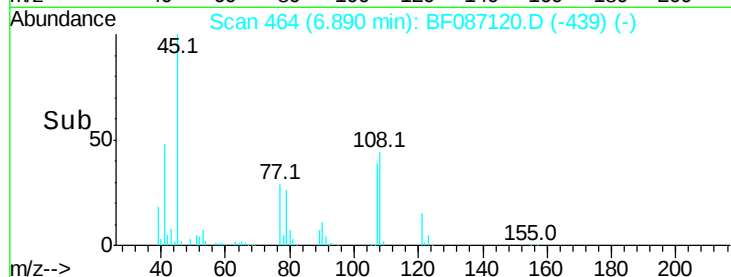
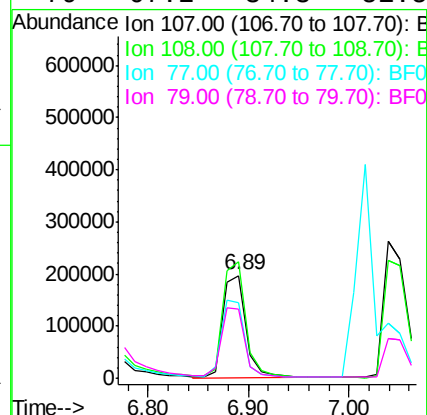
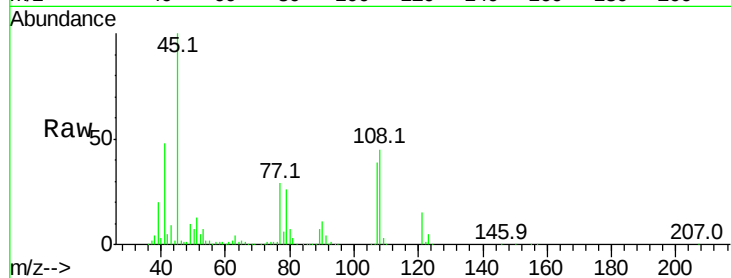
ClientSampleId :

PB90666BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.6	93.7	140.5	
77	73.6	33.4	50.0#	
79	67.2	34.3	51.5#	

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#18

Hexachloroethane

Concen: 35.57 ng

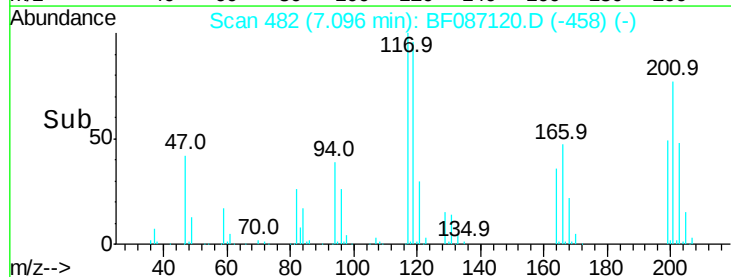
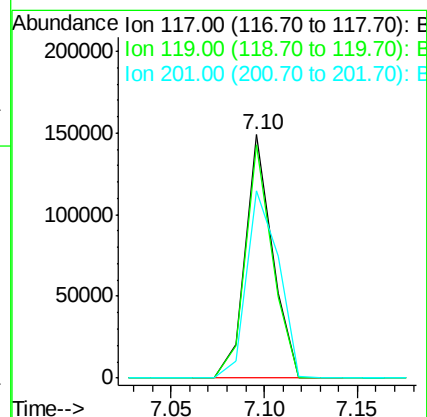
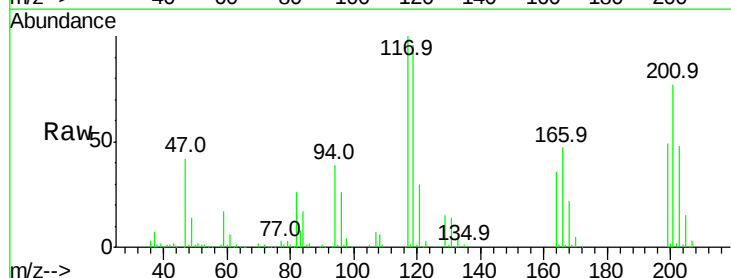
RT: 7.10 min Scan# 482

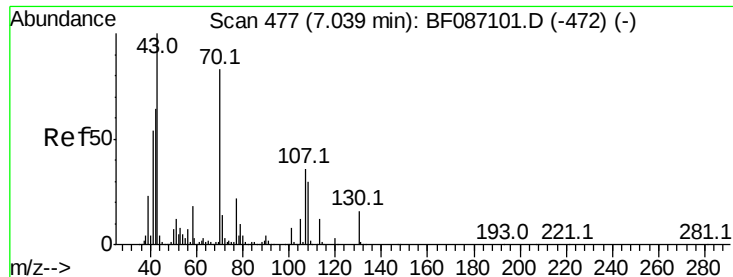
Delta R.T. -0.02 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.8	76.5	114.7	
201	77.1	63.0	94.6	





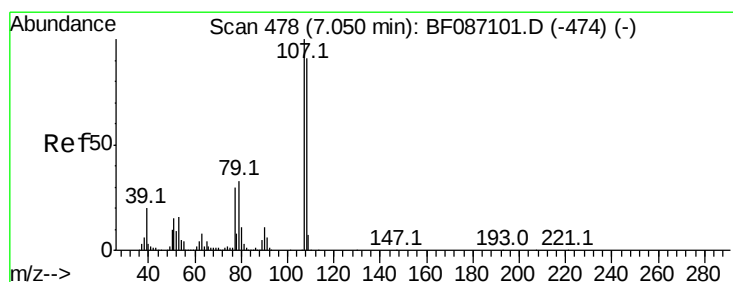
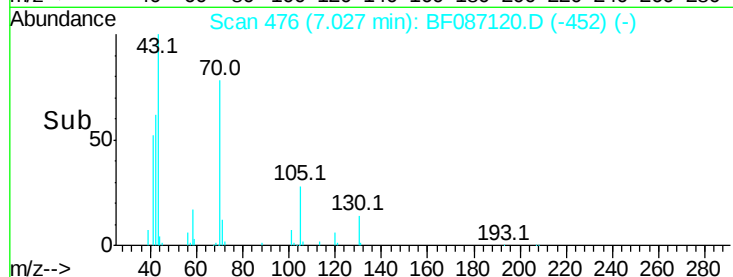
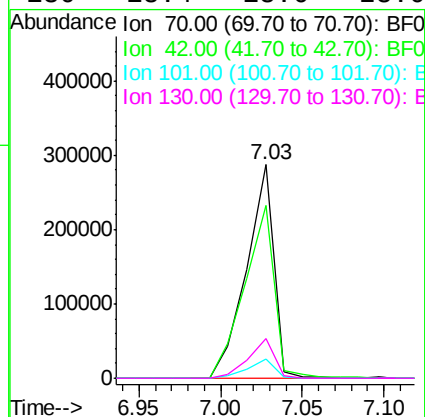
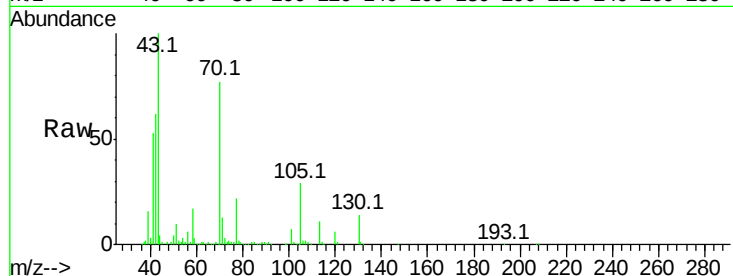
#19
n-Nitroso-di-n-propylamine
Concen: 39.08 ng
RT: 7.03 min Scan# 476
Delta R.T. -0.02 min
Lab File: BF087120.D
Acq: 17 May 2016 23:54

Instrument :
BNA_F
ClientSampleId :
PB90666BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	80.9	43.1	64.7#		
101	8.9	8.1	12.1		
130	18.4	18.6	28.0#		

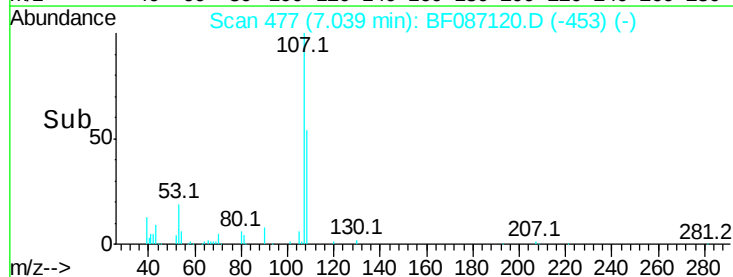
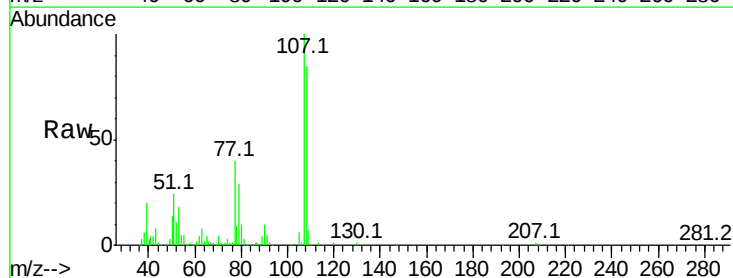
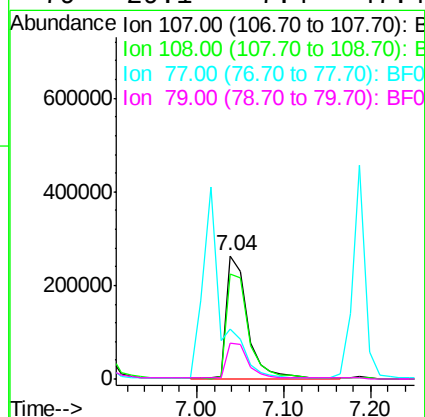
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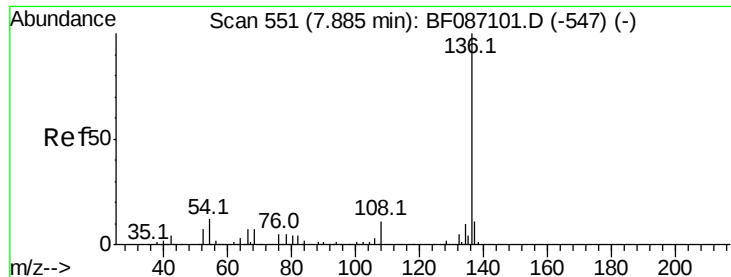
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#20
3+4-Methylphenols
Concen: 39.88 ng
RT: 7.04 min Scan# 477
Delta R.T. -0.02 min
Lab File: BF087120.D
Acq: 17 May 2016 23:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	85.3	68.5	108.5		
77	40.4	101.6	141.6#		
79	29.1	7.4	47.4		





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Instrument :

BNA_F

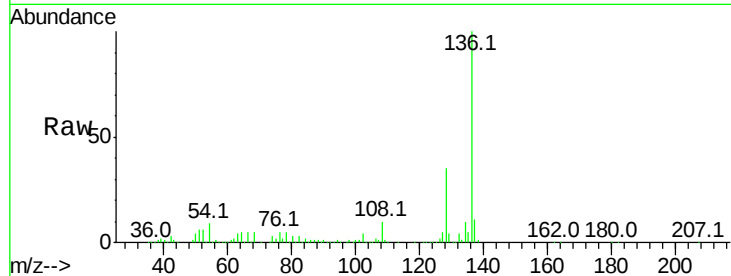
ClientSampleId :

PB90666BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	591704		
137	10.9	8.8	13.2	
54	9.5	5.0	7.4	
68	5.1	4.4	6.6	

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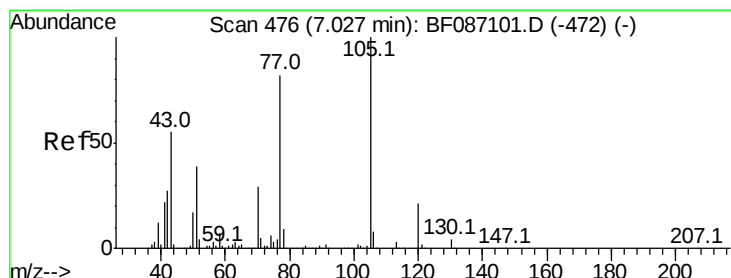
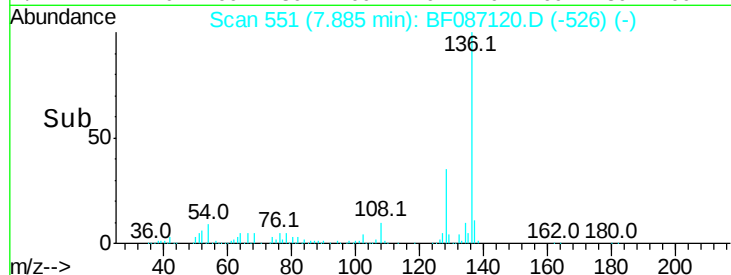
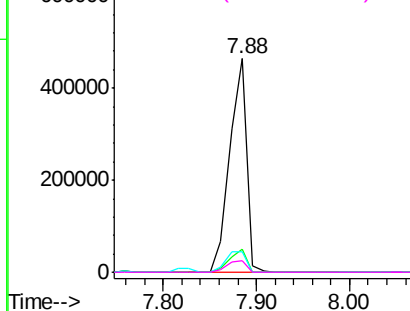


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 38.70 ng

RT: 7.02 min Scan# 475

Delta R.T. -0.02 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

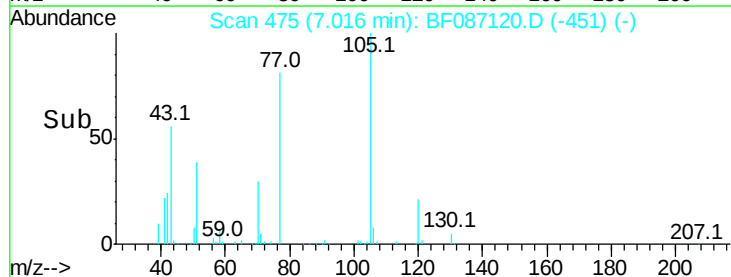
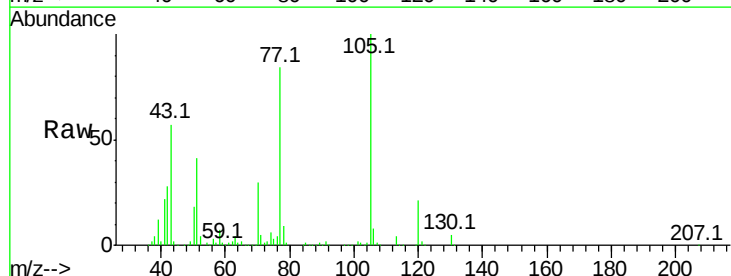
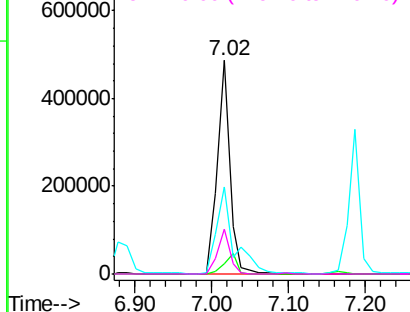
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	560350		
71	5.0	4.8	7.2	
51	41.0	32.6	49.0	
120	20.7	16.5	24.7	

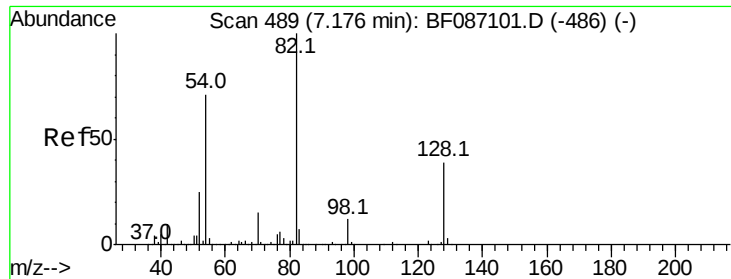
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





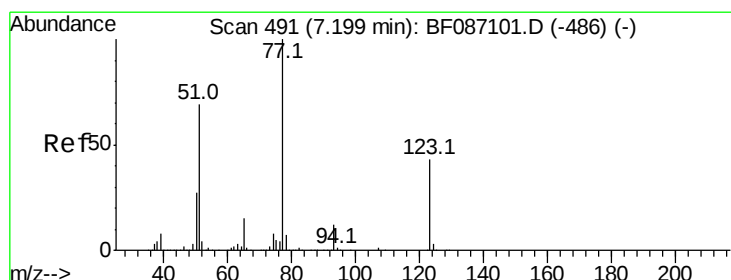
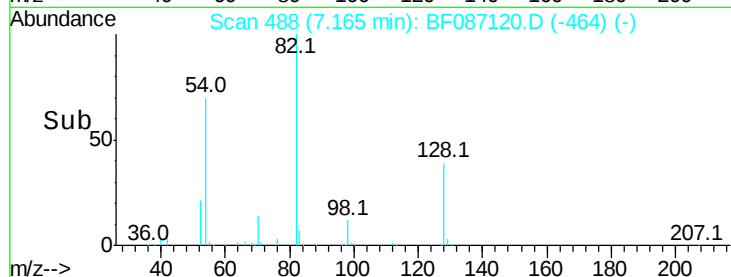
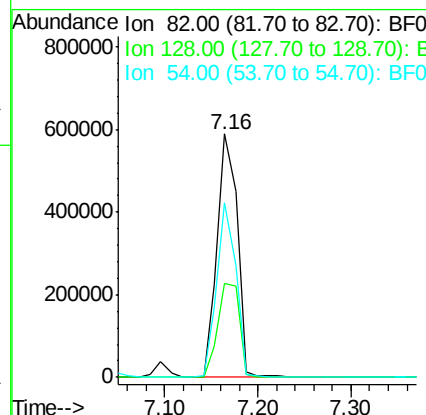
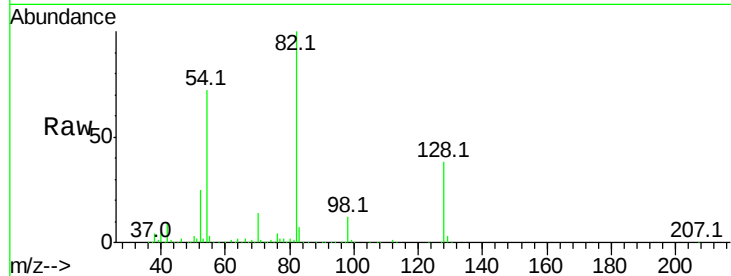
#23
 Nitrobenzene-d5
 Concen: 74.95 ng
 RT: 7.16 min Scan# 488
 Delta R.T. -0.02 min
 Lab File: BF087120.D
 Acq: 17 May 2016 23:54

Instrument :
 BNA_F
 ClientSampleId :
 PB90666BS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	38.4	40.6	61.0#	
54	71.9	38.1	57.1#	

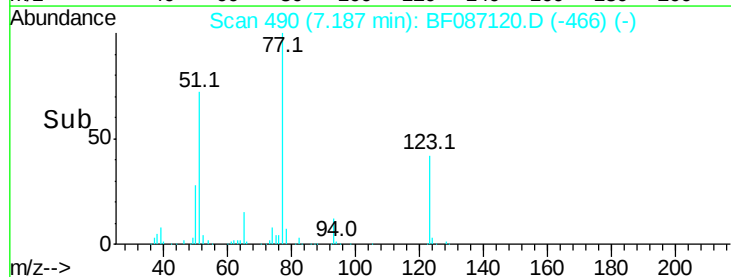
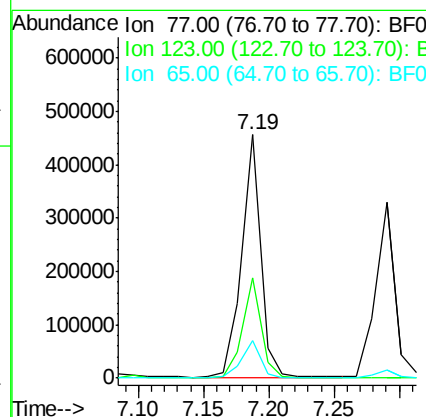
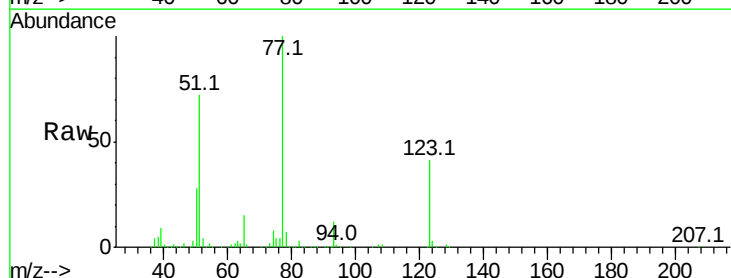
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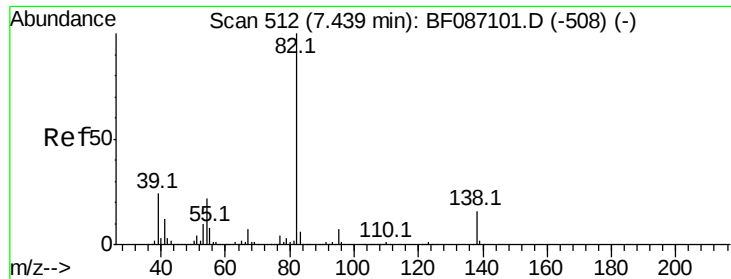
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#24
 Nitrobenzene
 Concen: 35.54 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.02 min
 Lab File: BF087120.D
 Acq: 17 May 2016 23:54

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	40.9	33.0	49.4	
65	15.2	10.8	16.2	





#25

Isophorone

Concen: 37.22 ng

RT: 7.43 min Scan# 511

Delta R.T. -0.02 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Instrument :

BNA_F

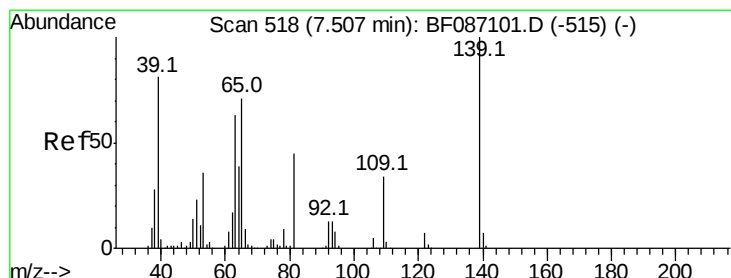
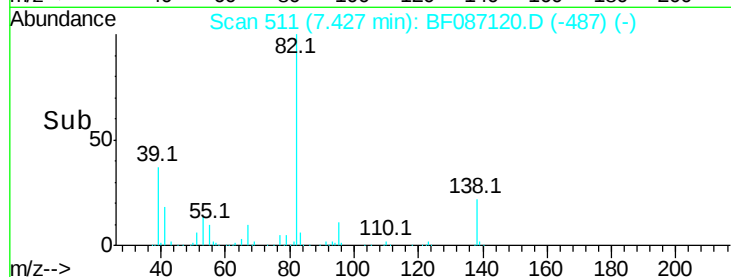
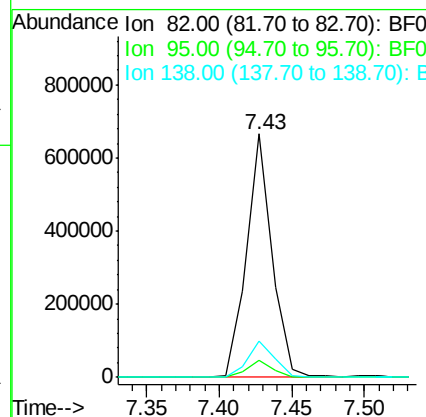
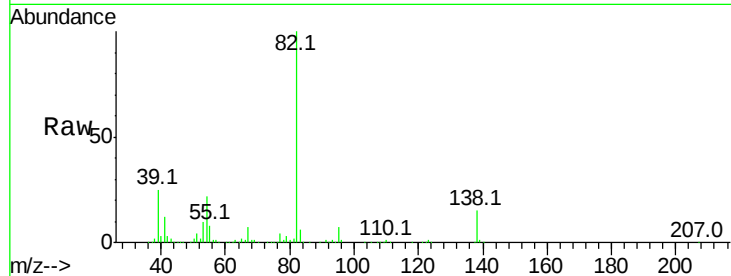
ClientSampleId :

PB90666BS

Tot Ion:	82	Resp:	808917
Ion Ratio	Lower	Upper	
82	100		
95	7.2	5.1	7.7
138	14.8	12.4	18.6

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#26

2-Nitrophenol

Concen: 39.77 ng

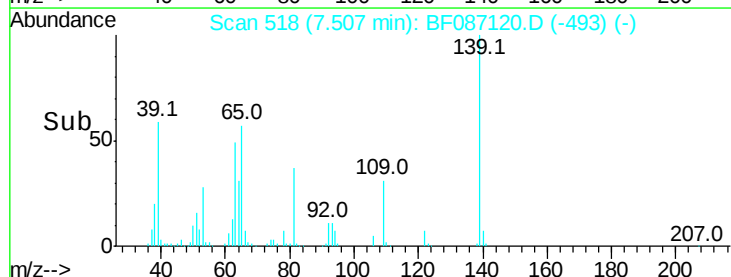
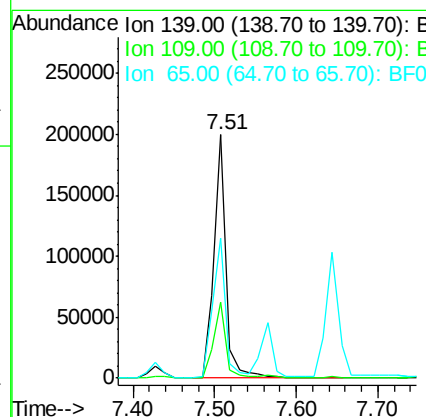
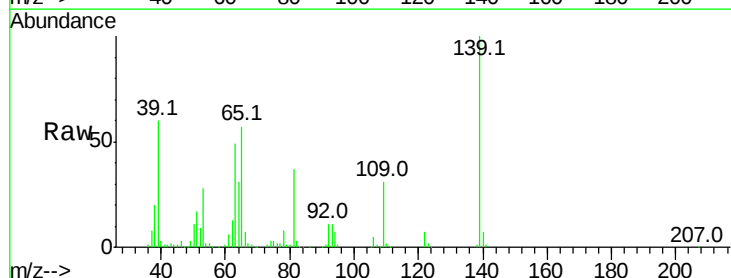
RT: 7.51 min Scan# 518

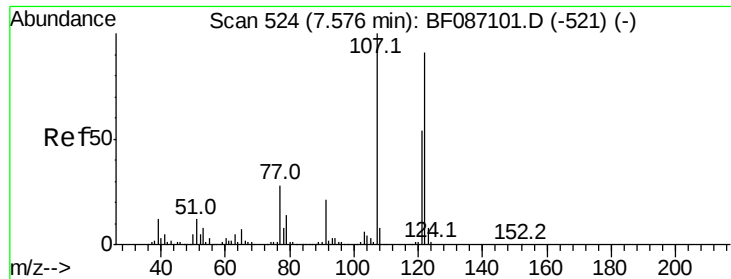
Delta R.T. -0.01 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Tgt Ion:	139	Resp:	213546
Ion Ratio	Lower	Upper	
139	100		
109	31.0	19.5	29.3#
65	57.3	37.5	56.3#





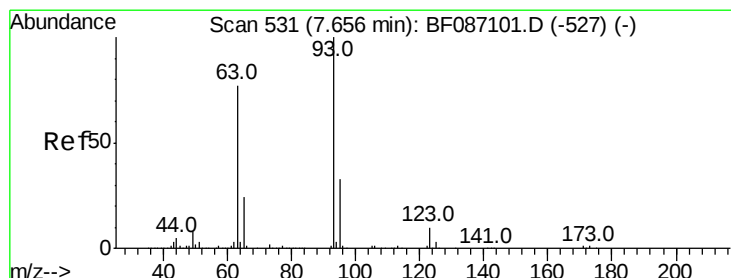
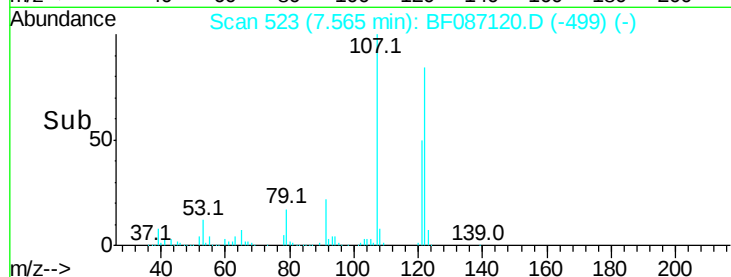
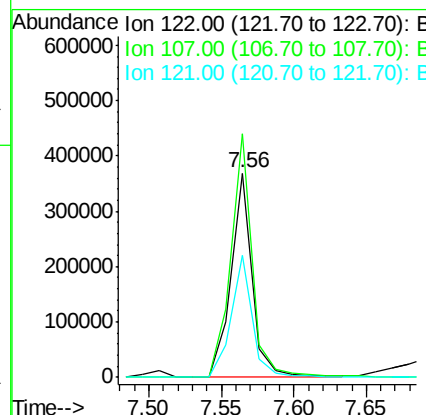
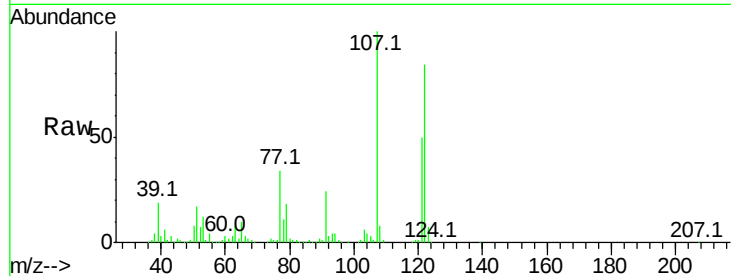
#27
 2,4-Dimethylphenol
 Concen: 40.84 ng
 RT: 7.56 min Scan# 523
 Delta R.T. -0.02 min
 Lab File: BF087120.D
 Acq: 17 May 2016 23:54

Instrument :
 BNA_F
 ClientSampleId :
 PB90666BS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	374304		
107	119.0	82.0	123.0	
121	59.7	46.1	69.1	

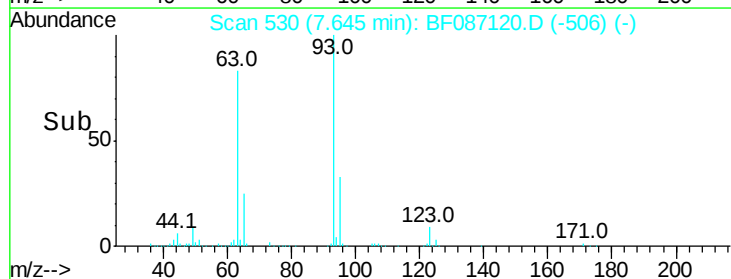
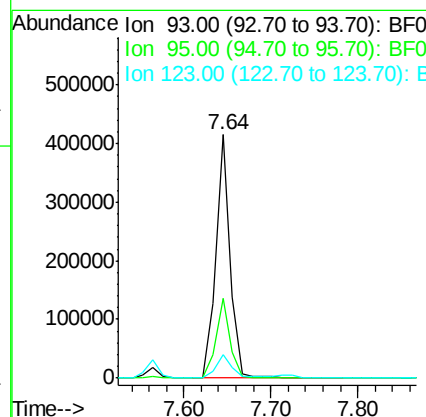
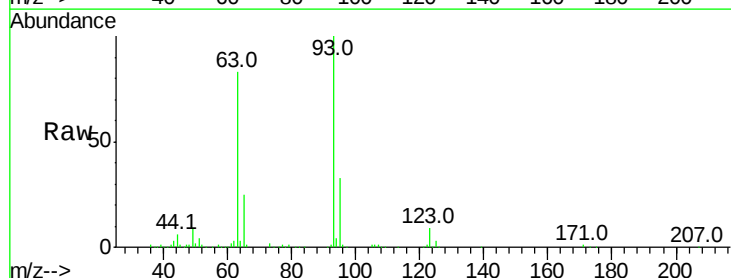
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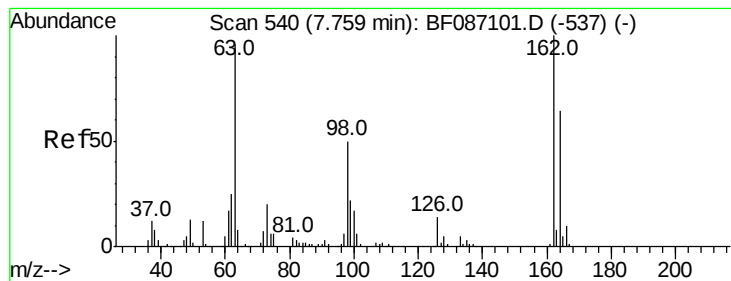
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#28
 bis(2-Chloroethoxy)methane
 Concen: 40.09 ng
 RT: 7.64 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: BF087120.D
 Acq: 17 May 2016 23:54

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	478356		
95	32.7	26.0	39.0	
123	9.4	9.5	14.3#	





#29

2,4-Dichlorophenol

Concen: 42.01 ng

RT: 7.76 min Scan# 540

Delta R.T. -0.02 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Instrument :

BNA_F

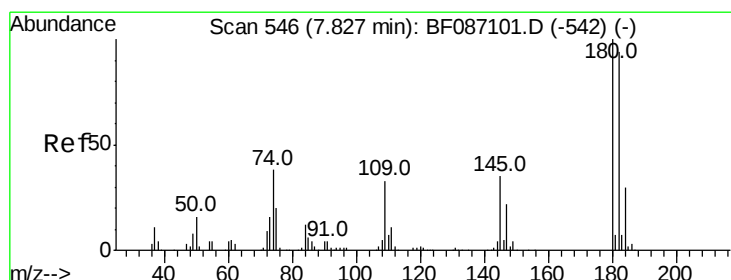
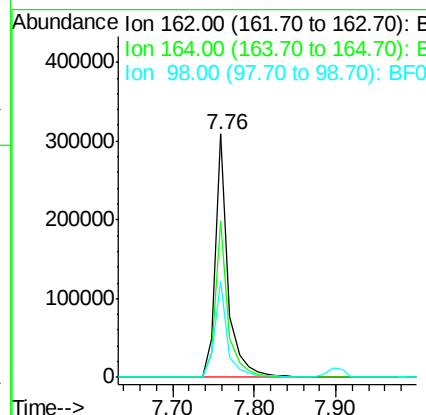
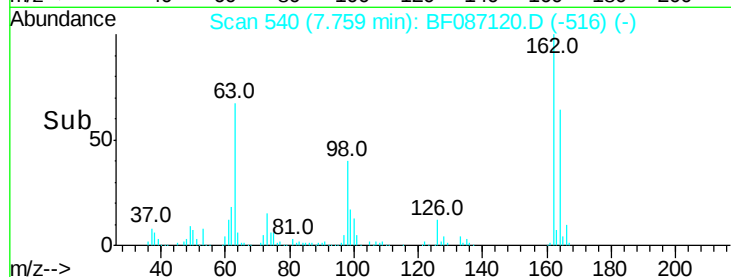
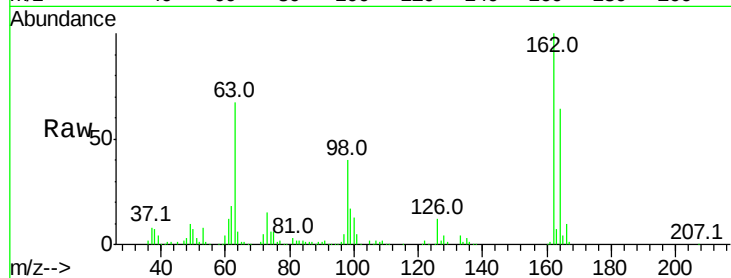
ClientSampleId :

PB90666BS

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Tot Ion	Ratio	Resp	Lower	Upper
162	100			
164	64.1	42.2	82.2	
98	39.5	19.0	59.0	



#30

1,2,4-Trichlorobenzene

Concen: 38.62 ng

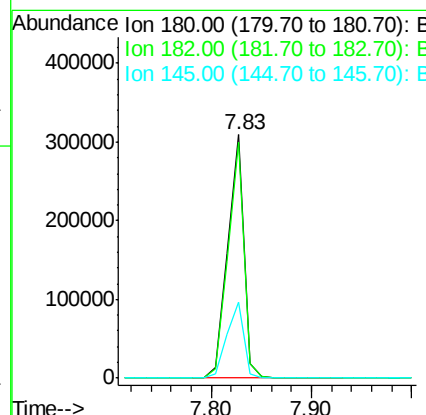
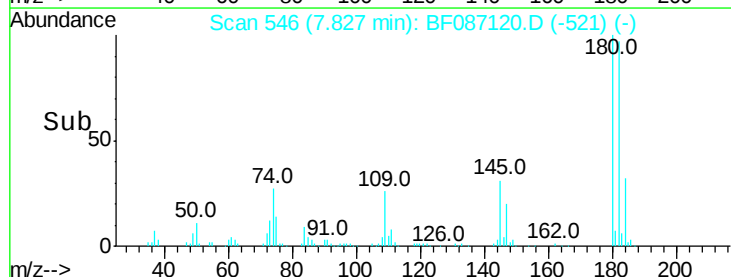
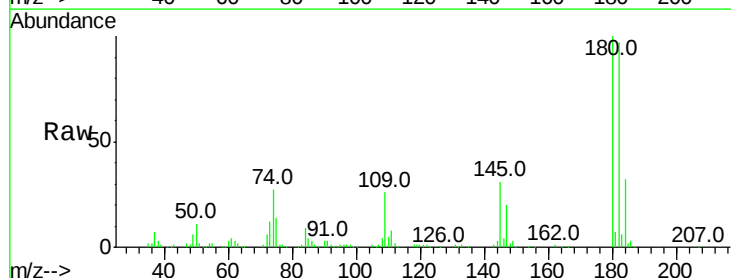
RT: 7.83 min Scan# 546

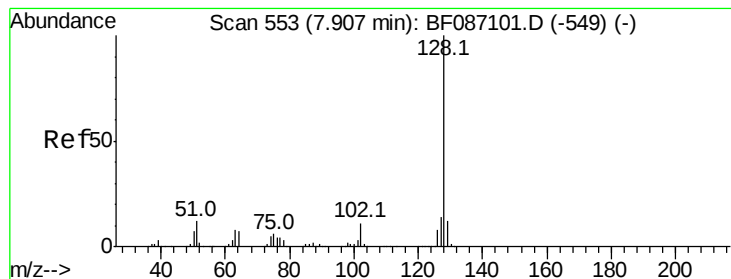
Delta R.T. -0.01 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.1	78.0	117.0	
145	31.4	24.2	36.2	





#31

Naphthalene

Concen: 38.70 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.01 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Instrument :

BNA_F

ClientSampleId :

PB90666BS

Tot Ion:128 Resp: 1118921

Ion Ratio Lower Upper

128 100

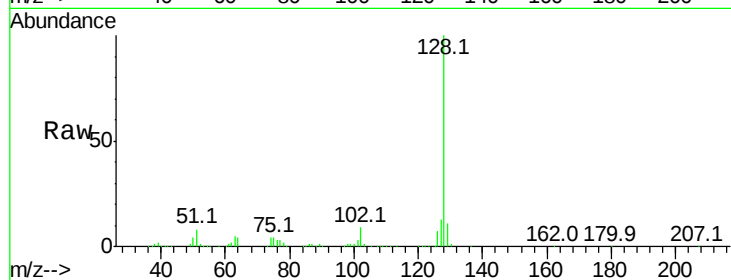
129 10.9 8.6 13.0

127 13.3 10.8 16.2

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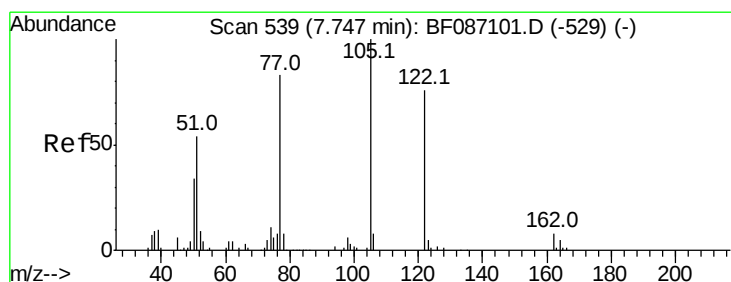
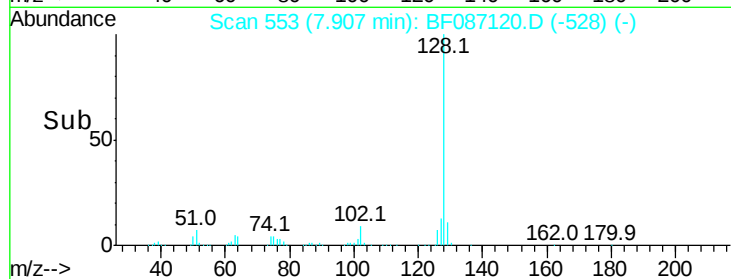
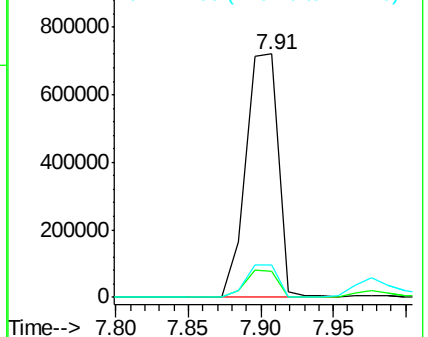
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 34.68 ng

RT: 7.72 min Scan# 537

Delta R.T. -0.02 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

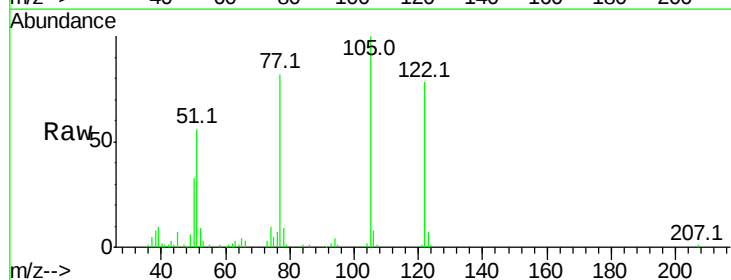
Tgt Ion:122 Resp: 189424

Ion Ratio Lower Upper

122 100

105 128.4 92.6 132.6

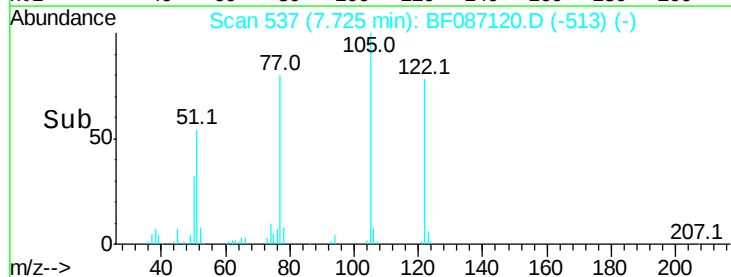
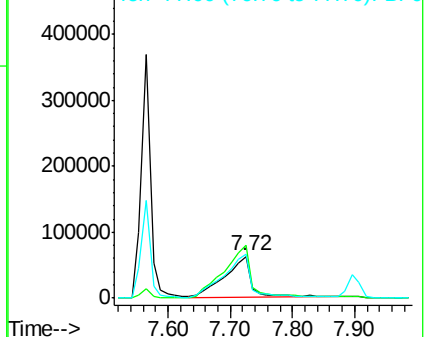
77 105.6 60.0 100.0#

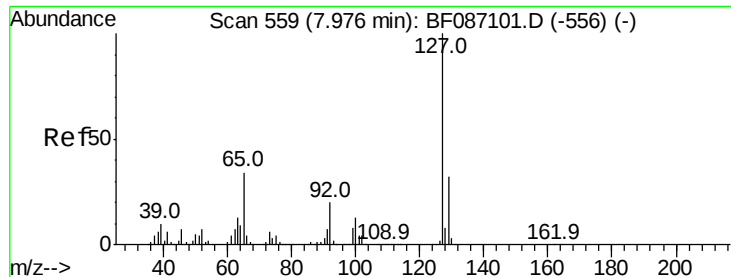


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





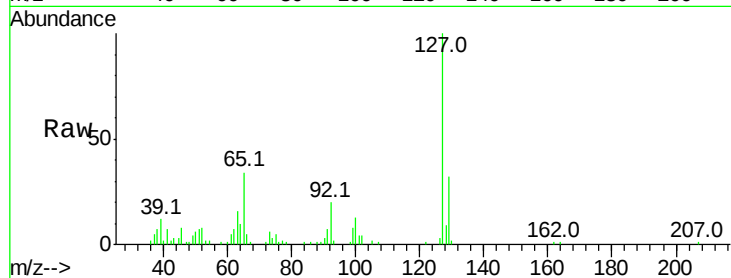
#33
4-Chloroaniline
Concen: 10.50 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF087120.D
Acq: 17 May 2016 23:54

Instrument :
BNA_F
ClientSampleId :
PB90666BS

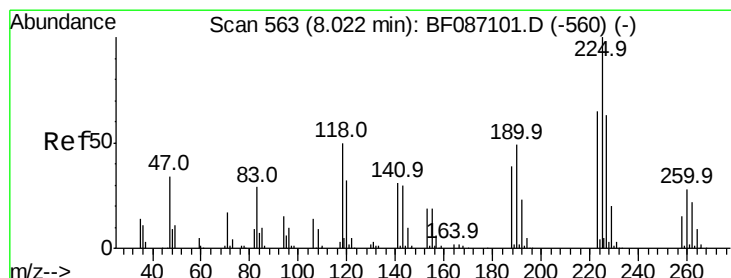
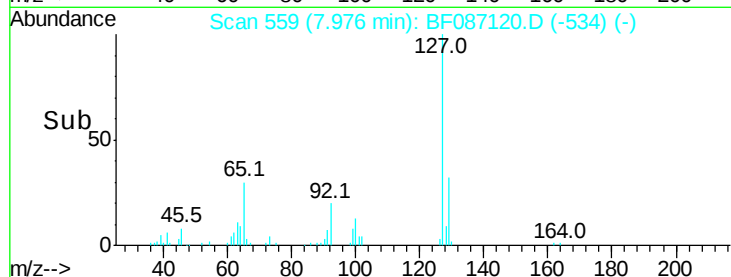
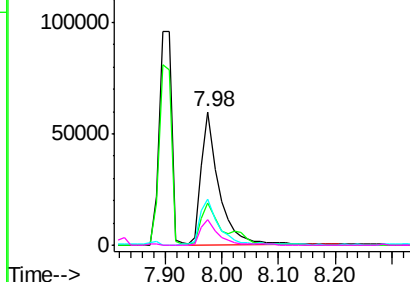
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.6	26.2	39.4		
65	34.3	23.0	34.4		
92	19.6	15.1	22.7		

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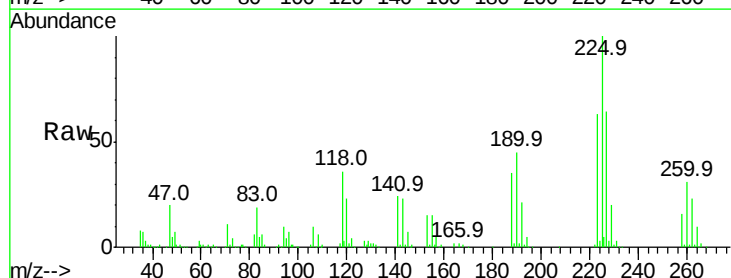


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

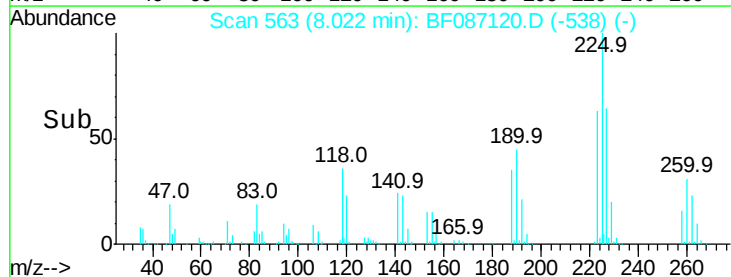
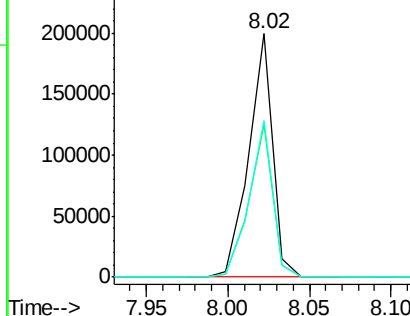


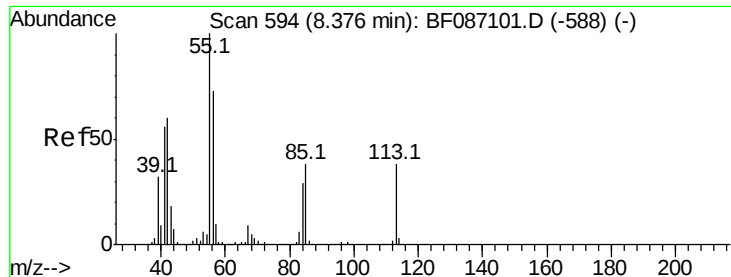
#34
Hexachlorobutadiene
Concen: 39.70 ng
RT: 8.02 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF087120.D
Acq: 17 May 2016 23:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.9	51.5	77.3		
227	64.4	52.2	78.2		



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 41.47 ng/ml

RT: 8.35 min Scan# 592

Delta R.T. -0.03 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Instrument :

BNA_F

ClientSampleId :

PB90666BS

Tot Ion:113 Resp: 111517
Ion Ratio Lower Upper

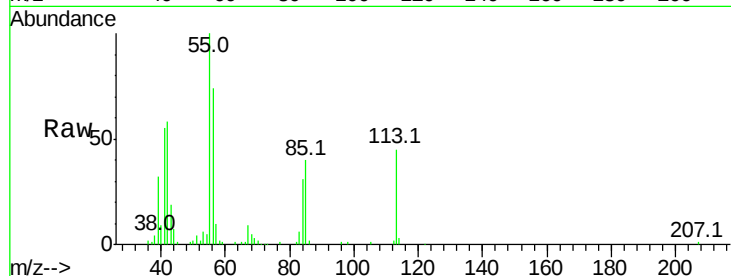
113 100

55 220.3 162.0 202.0#

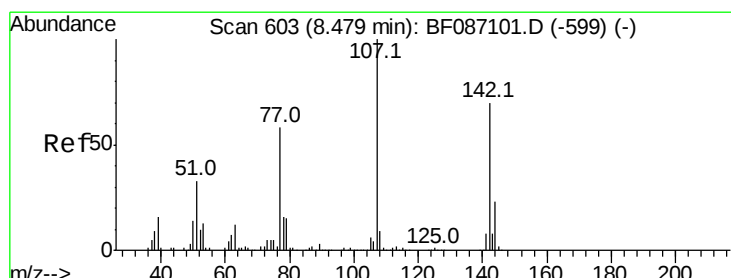
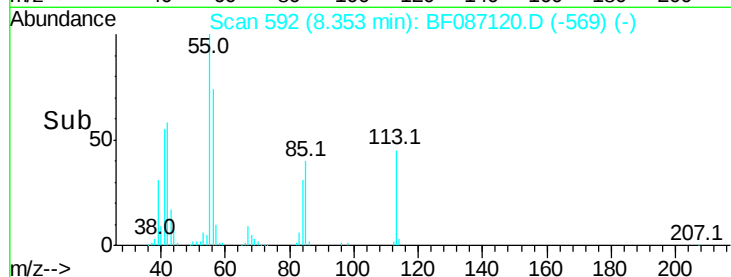
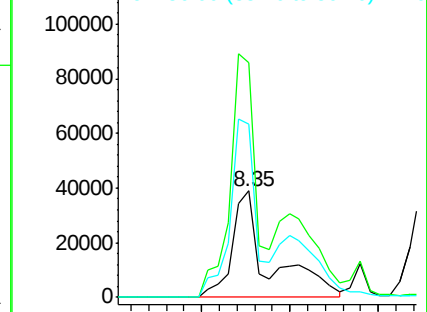
56 162.4 115.3 155.3#

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Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 41.25 ng/ml

RT: 8.48 min Scan# 603

Delta R.T. -0.01 min

Lab File: BF087120.D

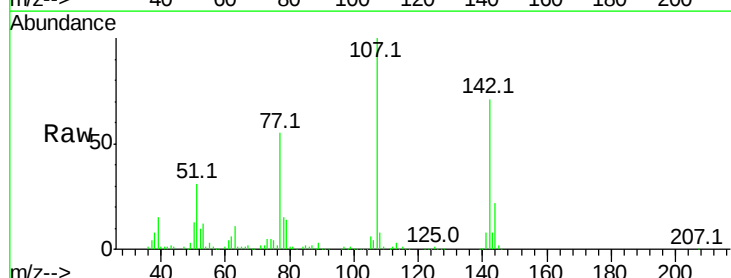
Acq: 17 May 2016 23:54

Tgt Ion:107 Resp: 401825
Ion Ratio Lower Upper

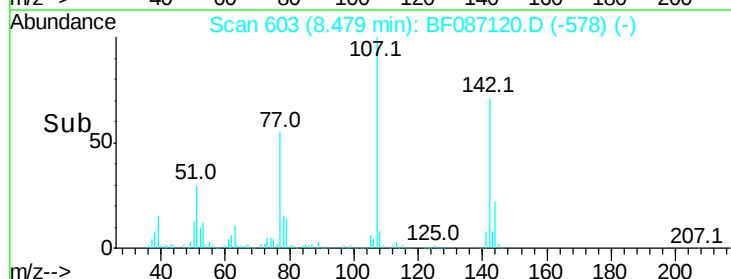
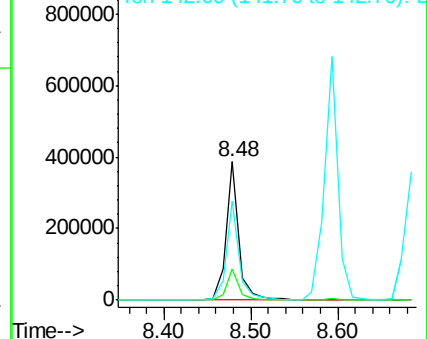
107 100

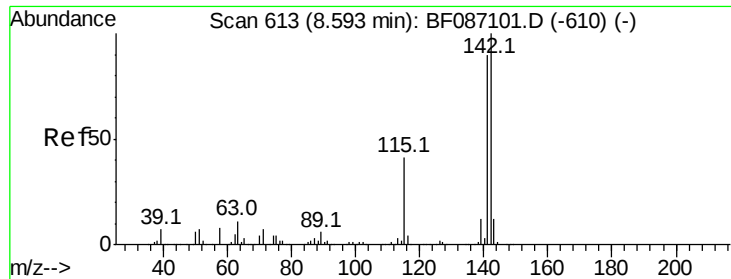
144 22.5 20.7 31.1

142 71.5 63.2 94.8



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 38.78 ng

RT: 8.59 min Scan# 613

Delta R.T. -0.02 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Instrument :

BNA_F

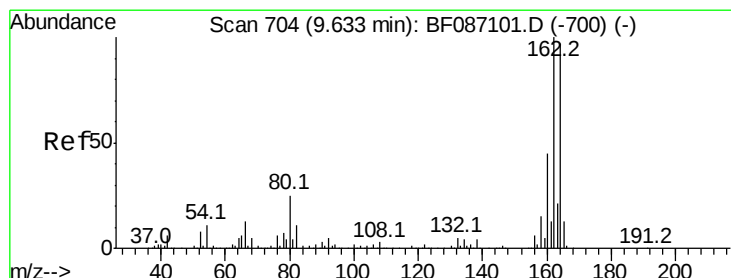
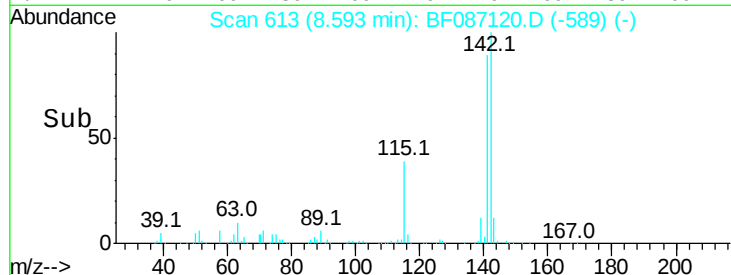
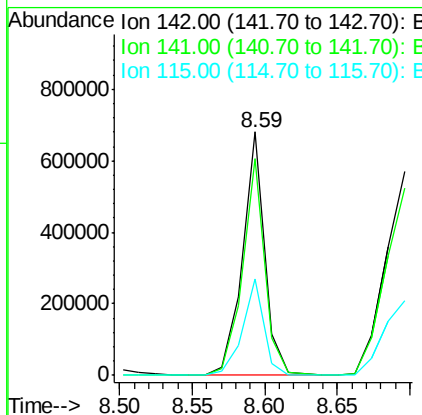
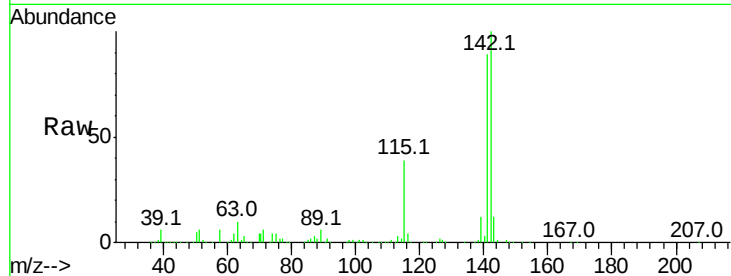
ClientSampleId :

PB90666BS

Tot Ion:	142	Resp:	717185
Ion Ratio	Lower	Upper	
142	100		
141	89.2	71.0	106.6
115	39.4	26.6	39.8

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#38

Acenaphthene-d10

Concen: 20.00 ng

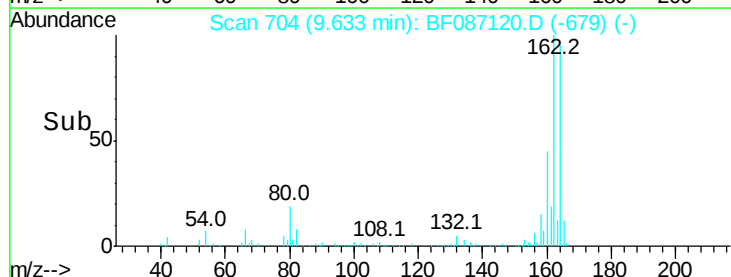
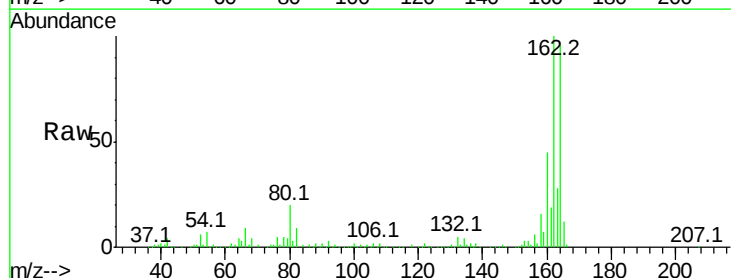
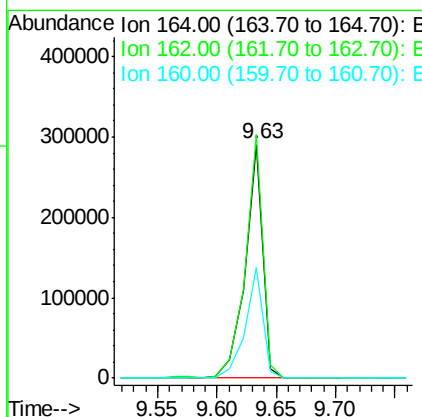
RT: 9.63 min Scan# 704

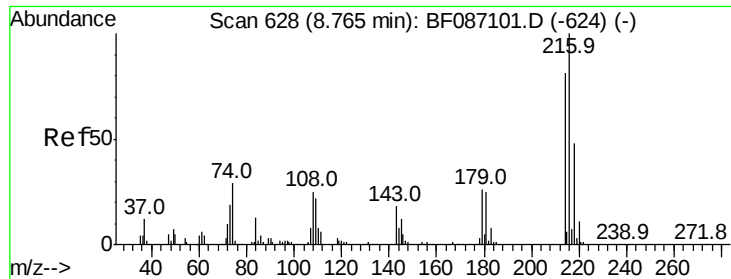
Delta R.T. -0.01 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Tgt Ion:	164	Resp:	299420
Ion Ratio	Lower	Upper	
164	100		
162	104.1	82.8	124.2
160	47.0	36.9	55.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 37.54 ng

RT: 8.76 min Scan# 628

Delta R.T. -0.01 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Instrument :

BNA_F

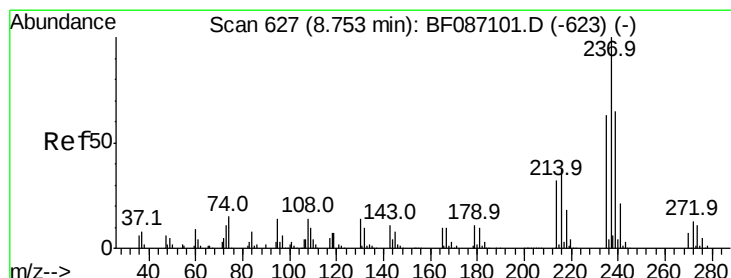
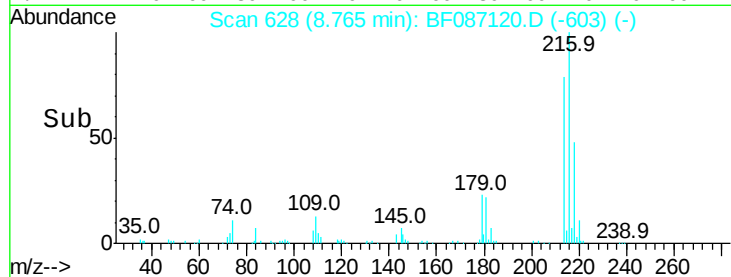
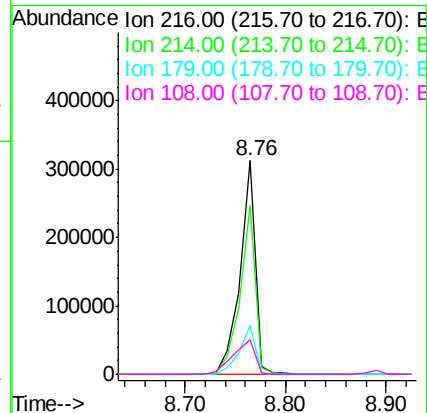
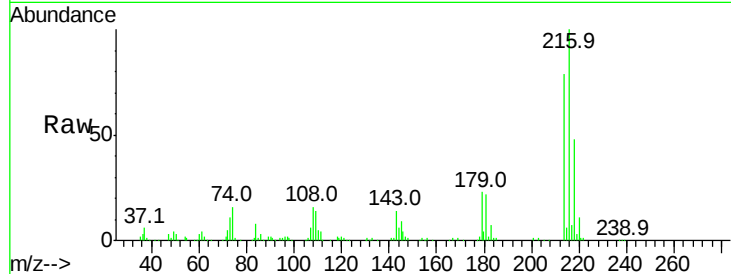
ClientSampleId :

PB90666BS

Tot Ion	Ratio	Resp	Lower	Upper
216	100	328337		
214	79.4	62.6	93.8	
179	23.5	18.2	27.4	
108	23.5	17.5	26.3	

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#40

Hexachlorocyclopentadiene

Concen: 74.15 ng

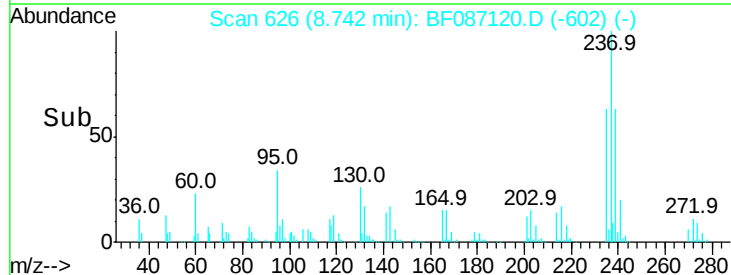
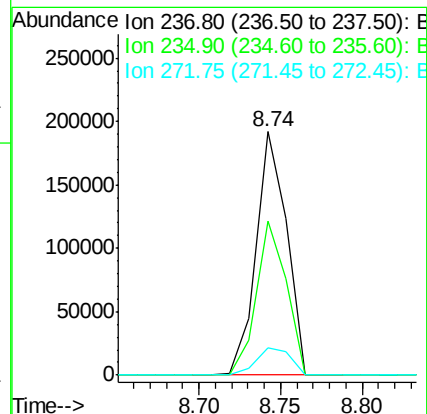
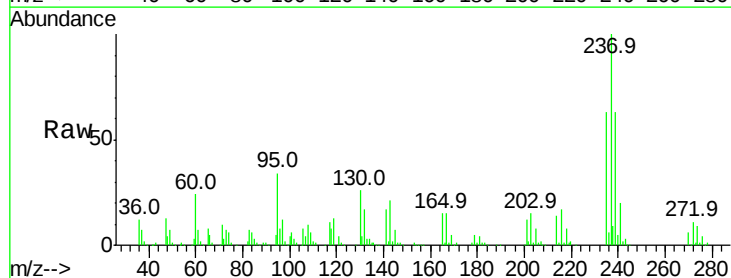
RT: 8.74 min Scan# 626

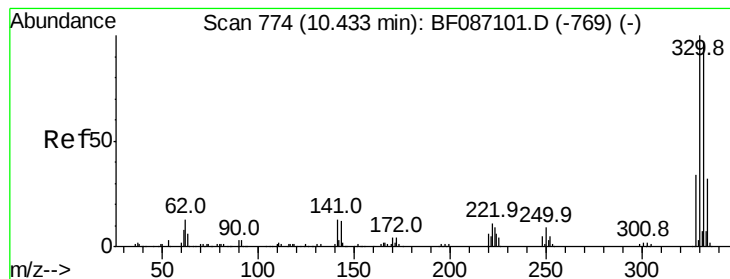
Delta R.T. -0.02 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	248263		
235	63.2	47.2	87.2	
272	11.1	0.0	31.1	





#41

2,4,6-Tribromophenol

Concen: 72.44 ng

RT: 10.42 min Scan# 773

Delta R.T. -0.02 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Instrument :

BNA_F

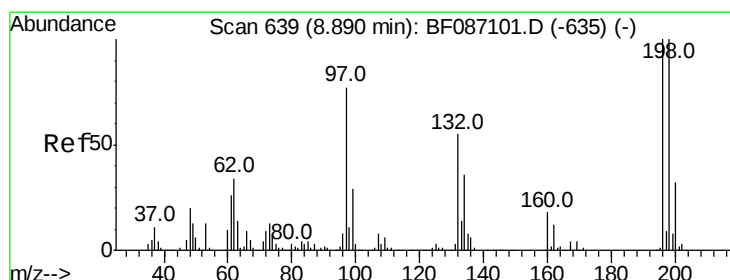
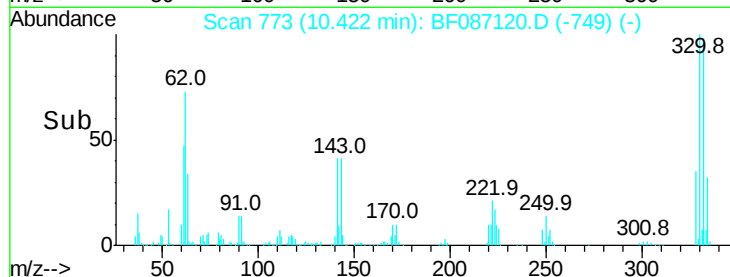
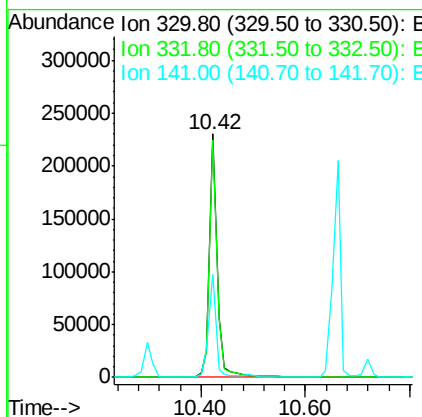
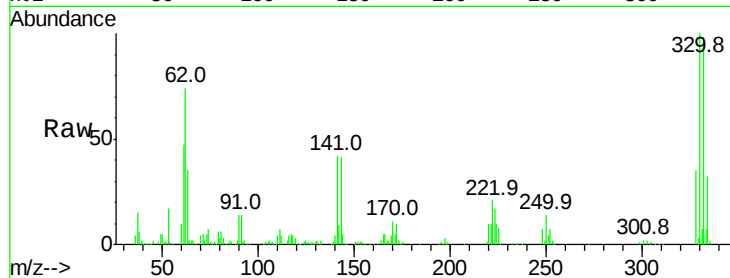
ClientSampleId :

PB90666BS

Tot Ion:	330	Resp:	239676
Ion Ratio	Lower	Upper	
330	100		
332	97.7	79.0	118.4
141	40.6	31.2	46.8

Manual Integrations
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#42

2,4,6-Trichlorophenol

Concen: 38.27 ng

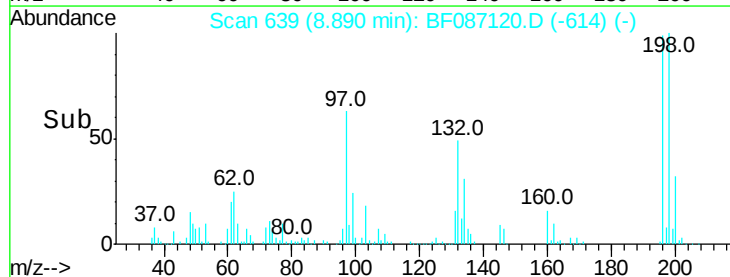
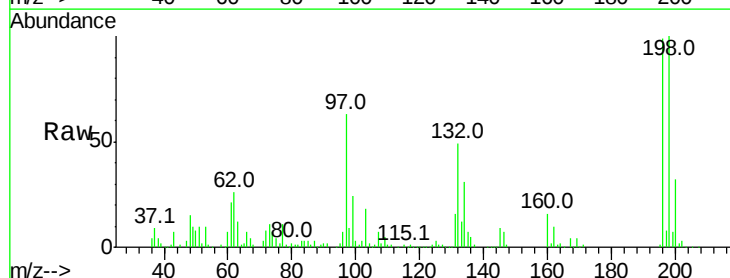
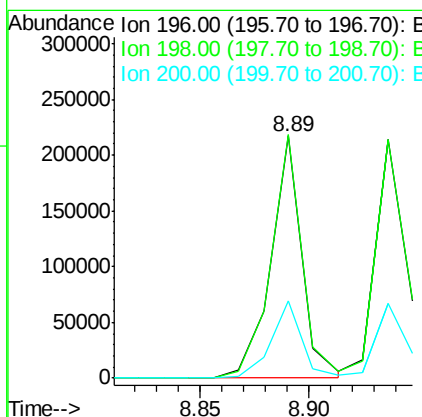
RT: 8.89 min Scan# 639

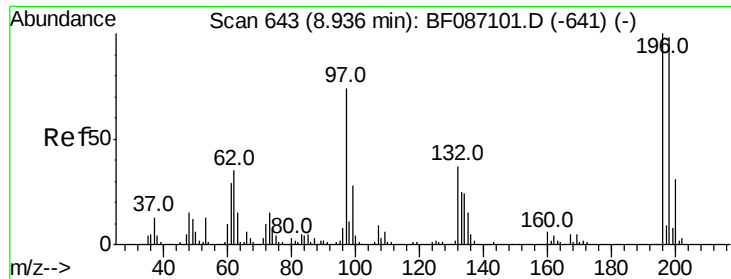
Delta R.T. -0.01 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Tgt Ion:	196	Resp:	217049
Ion Ratio	Lower	Upper	
196	100		
198	100.6	74.7	112.1
200	31.8	23.8	35.6





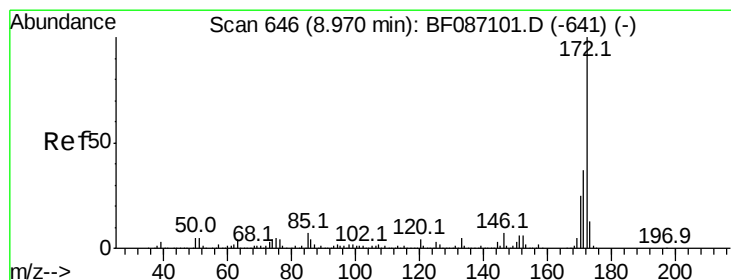
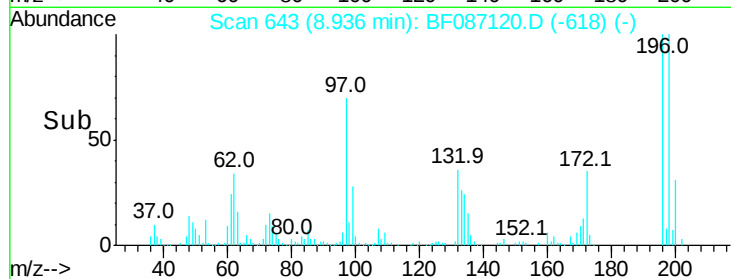
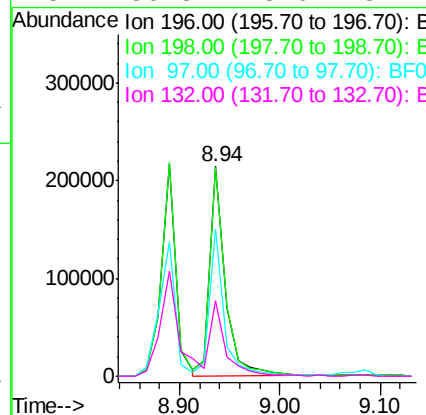
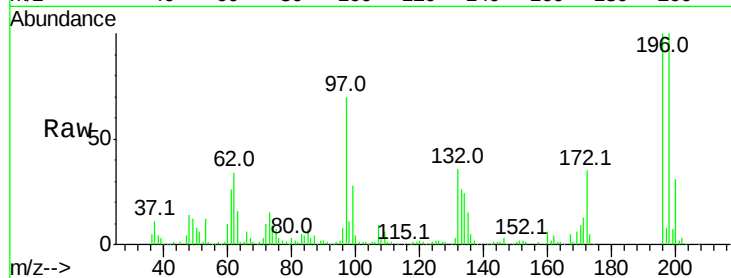
#43
 2,4,5-Trichlorophenol
 Concen: 39.14 ng
 RT: 8.94 min Scan# 643
 Delta R.T. -0.01 min
 Lab File: BF087120.D
 Acq: 17 May 2016 23:54

Instrument :
 BNA_F
 ClientSampleId :
 PB90666BS

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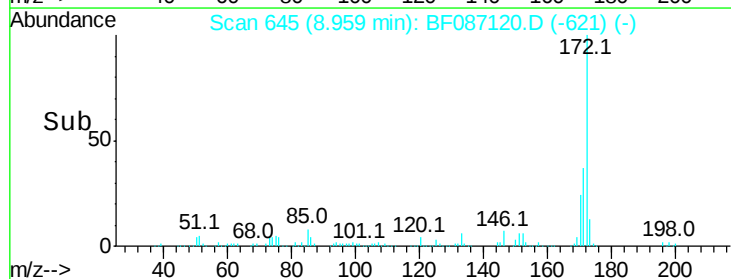
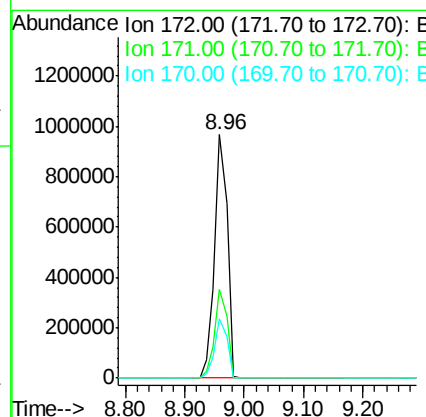
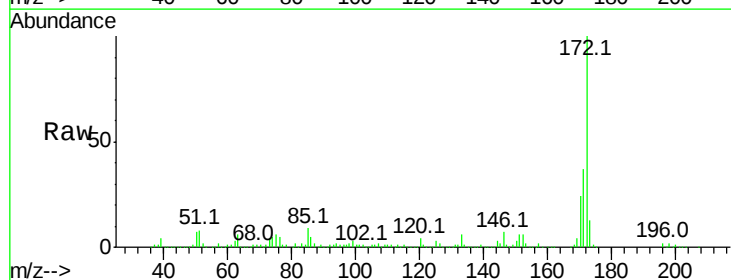
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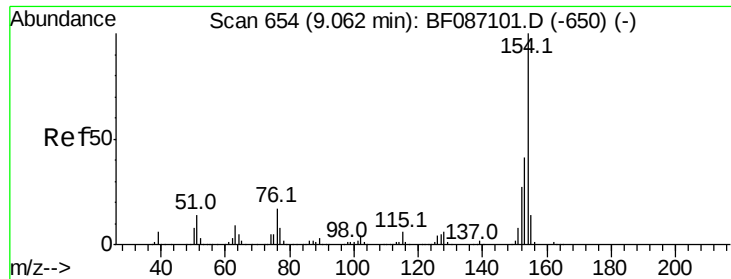
Tot Ion	196	Resp	230601
Ion Ratio	Lower	Upper	
196	100		
198	99.6	77.5	116.3
97	70.0	34.8	52.2#
132	36.3	23.0	34.4#



#44
 2-Fluorobiphenyl
 Concen: 79.83 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.02 min
 Lab File: BF087120.D
 Acq: 17 May 2016 23:54

Tgt Ion	172	Resp	1443323
Ion Ratio	Lower	Upper	
172	100		
171	36.5	29.0	43.6
170	24.1	19.8	29.8





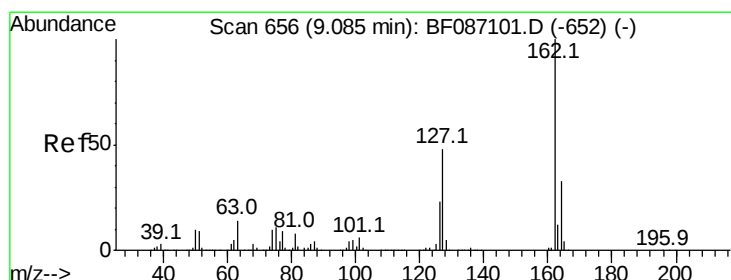
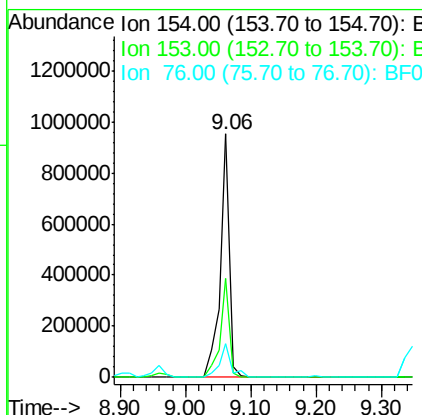
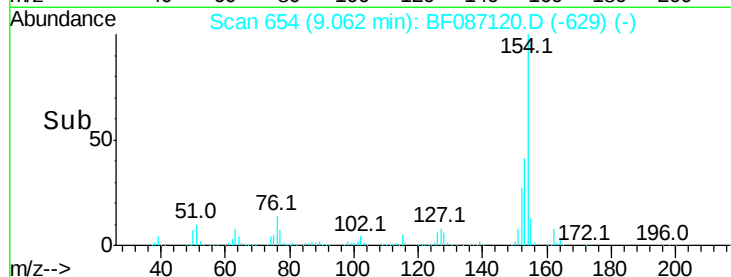
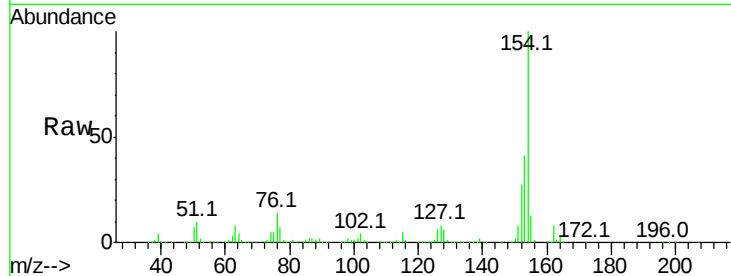
#45
 1,1'-Biphenyl
 Concen: 38.35 ng
 RT: 9.06 min Scan# 654
 Delta R.T. -0.01 min
 Lab File: BF087120.D
 Acq: 17 May 2016 23:54

Instrument :
 BNA_F
 ClientSampleId :
 PB90666BS

Tot Ion:	154	Resp:	952123
Ion Ratio	Lower	Upper	
154	100		
153	40.8	20.3	60.3
76	13.6	0.0	30.2

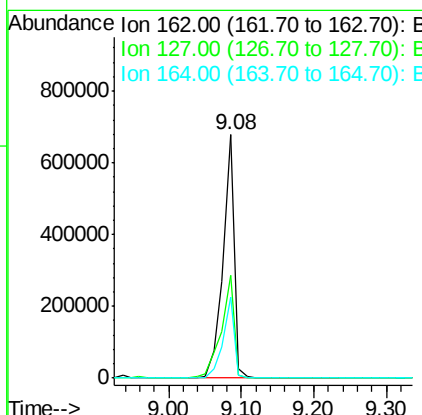
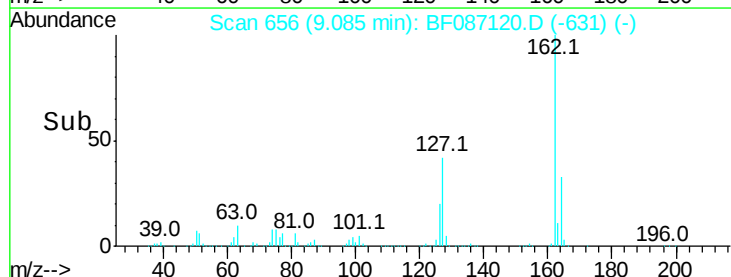
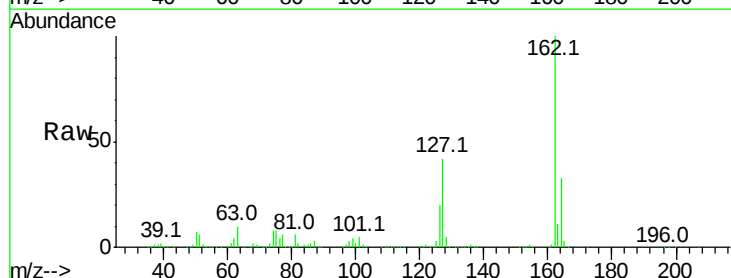
Manual Integrations
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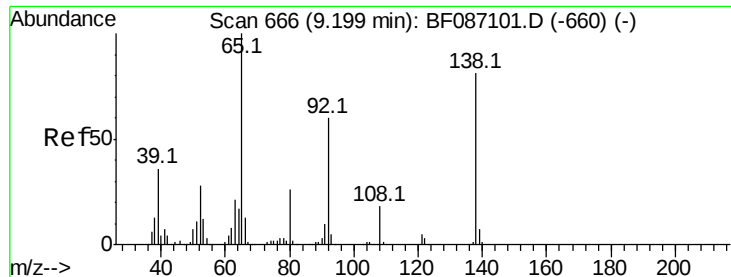
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#46
 2-Chloronaphthalene
 Concen: 38.19 ng
 RT: 9.08 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: BF087120.D
 Acq: 17 May 2016 23:54

Tgt Ion:	162	Resp:	727965
Ion Ratio	Lower	Upper	
162	100		
127	42.1	31.8	47.6
164	33.4	27.0	40.6





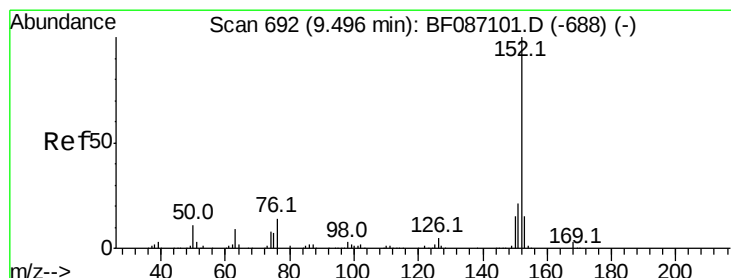
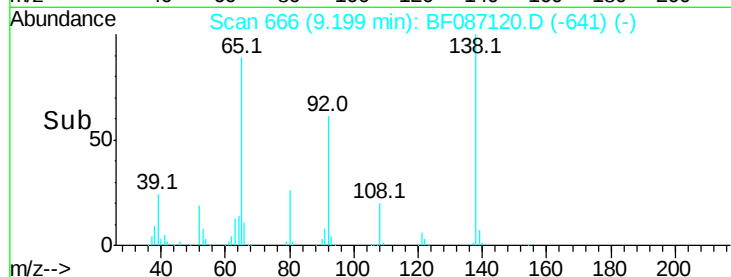
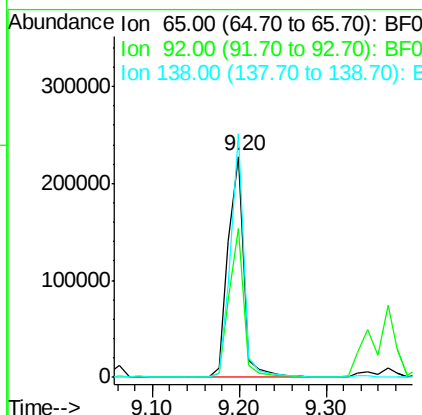
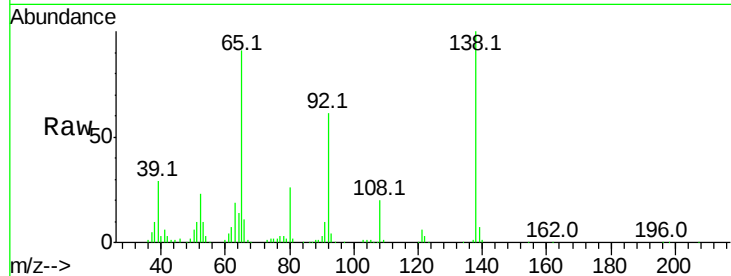
#47
2-Nitroaniline
Concen: 39.30 ng
RT: 9.20 min Scan# 666
Delta R.T. -0.01 min
Lab File: BF087120.D
Acq: 17 May 2016 23:54

Instrument :
BNA_F
ClientSampleId :
PB90666BS

Tot Ion	Ratio	Lower	Upper
65	100		
92	67.7	57.4	86.2
138	110.3	90.1	135.1

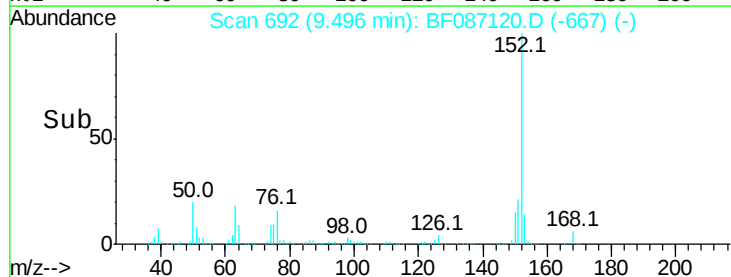
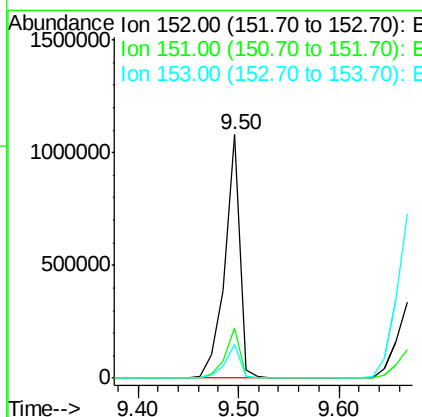
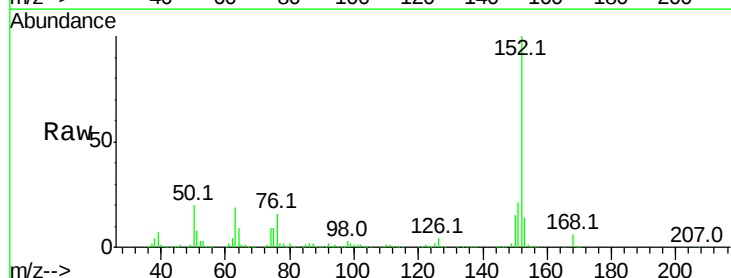
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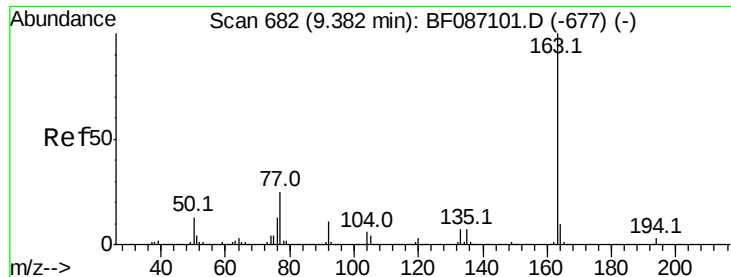
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#48
Acenaphthylene
Concen: 38.35 ng
RT: 9.50 min Scan# 692
Delta R.T. -0.01 min
Lab File: BF087120.D
Acq: 17 May 2016 23:54

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.8	25.2
153	14.1	10.9	16.3





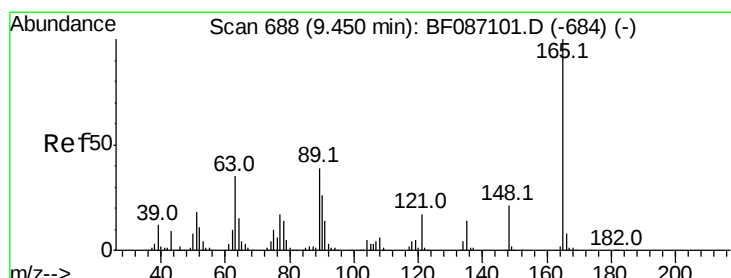
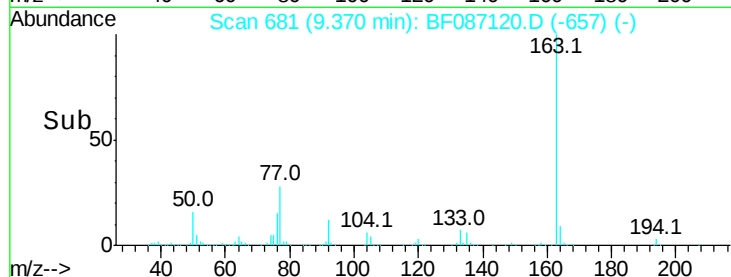
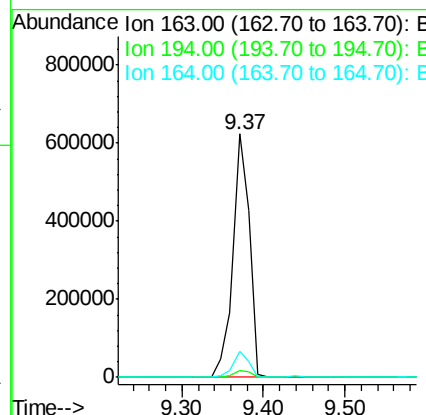
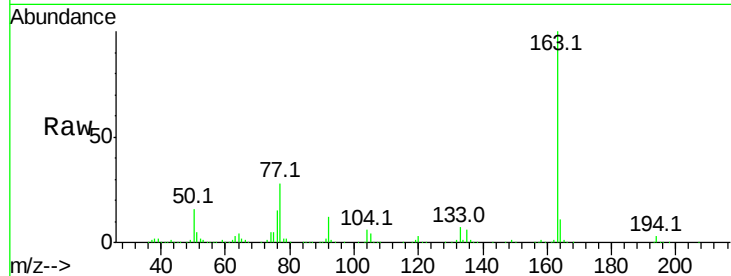
#49
Dimethylphthalate
Concen: 38.42 ng
RT: 9.37 min Scan# 681
Delta R.T. -0.02 min
Lab File: BF087120.D
Acq: 17 May 2016 23:54

Instrument :
BNA_F
ClientSampleId :
PB90666BS

Tot Ion	Ratio	Resp	Lower	Upper
163	100	877461		
194	3.0		2.6	4.0
164	10.6		8.2	12.4

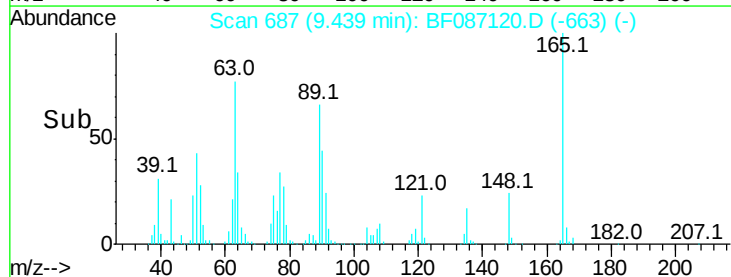
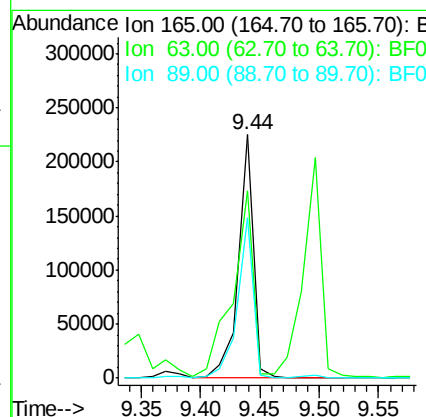
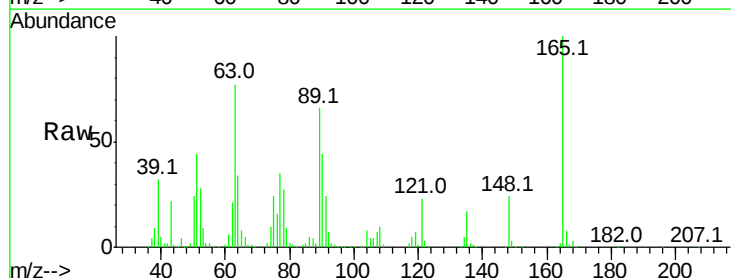
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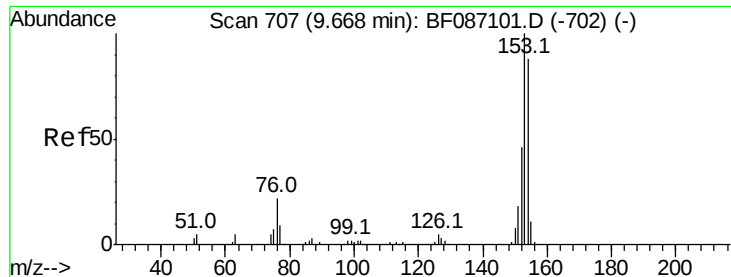
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#50
2,6-Dinitrotoluene
Concen: 40.27 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF087120.D
Acq: 17 May 2016 23:54

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	199734		
63	76.8		51.8	77.8
89	66.1		50.7	76.1





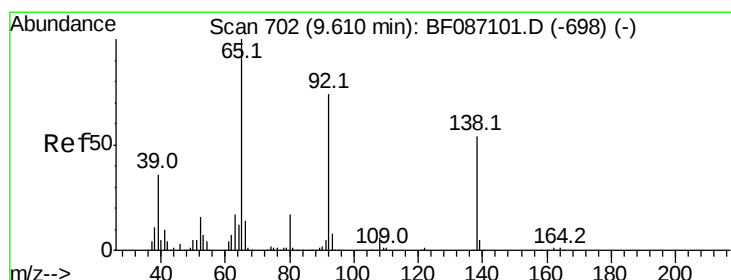
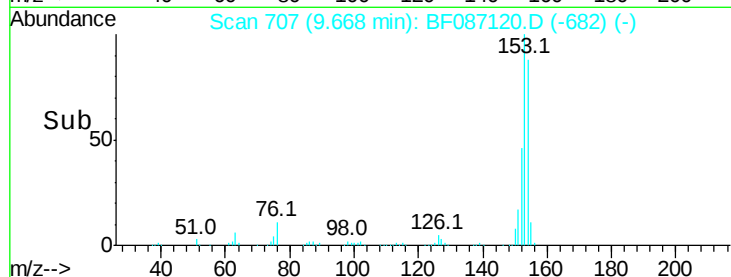
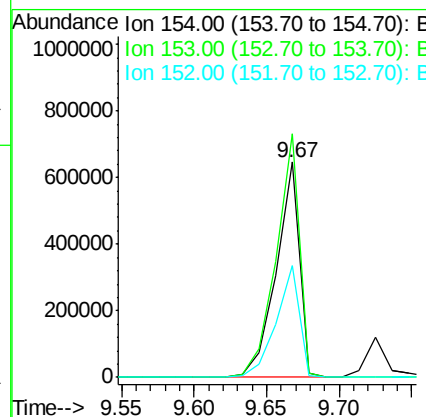
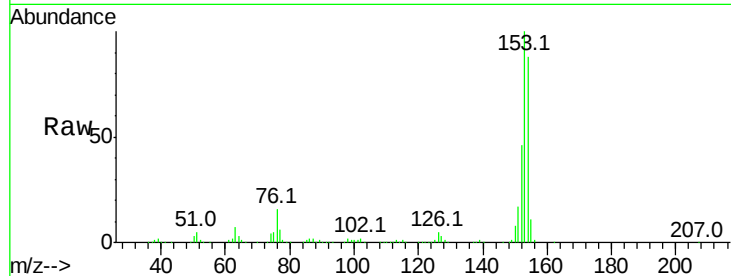
#51
Acenaphthene
Concen: 39.53 ng
RT: 9.67 min Scan# 707
Delta R.T. -0.01 min
Lab File: BF087120.D
Acq: 17 May 2016 23:54

Instrument :
BNA_F
ClientSampleId :
PB90666BS

Tot Ion	Ratio	Lower	Upper
154	100		
153	113.1	89.8	134.6
152	52.2	43.4	65.0

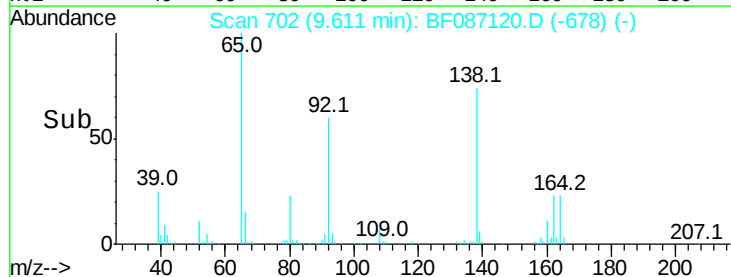
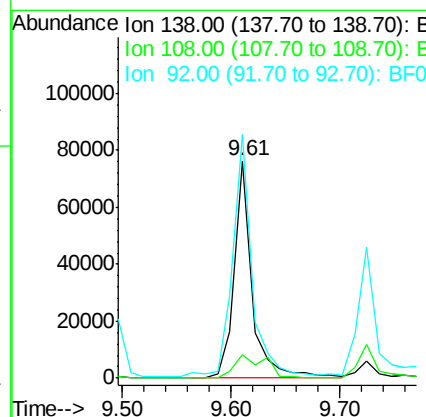
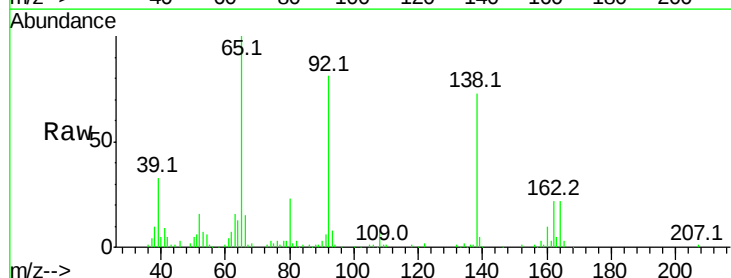
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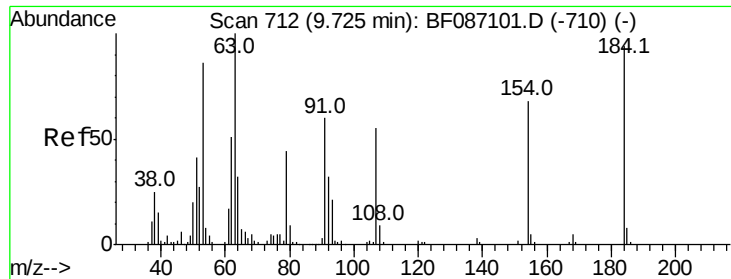
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#52
3-Nitroaniline
Concen: 16.13 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.02 min
Lab File: BF087120.D
Acq: 17 May 2016 23:54

Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.8	7.8	11.6
92	112.1	87.8	131.8





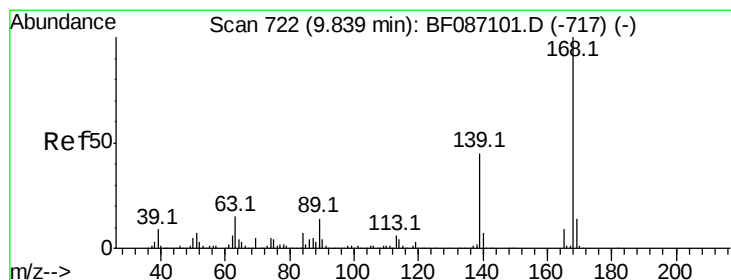
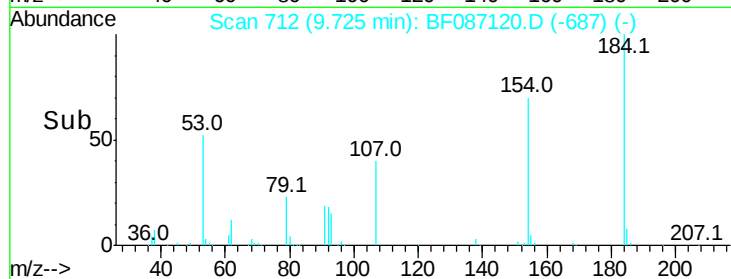
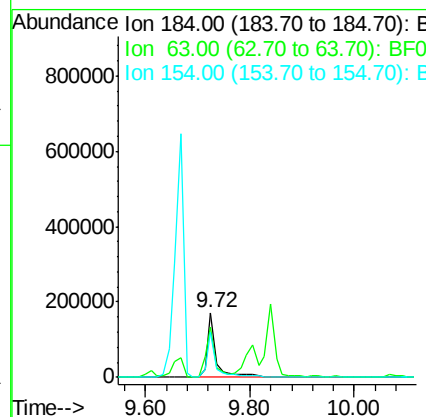
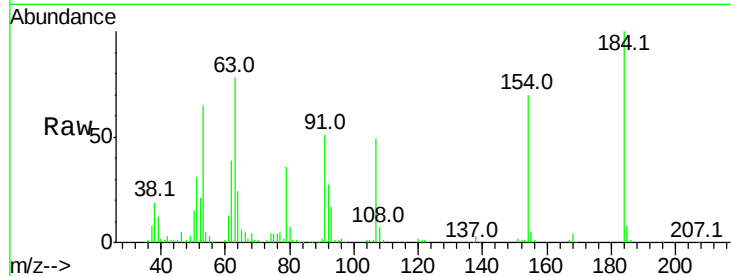
#53
2,4-Dinitrophenol
Concen: 74.91 ng
RT: 9.72 min Scan# 712
Delta R.T. -0.01 min
Lab File: BF087120.D
Acq: 17 May 2016 23:54

Instrument :
BNA_F
ClientSampleId :
PB90666BS

Tot Ion	Ratio	Resp	Lower	Upper
184	100	211973		
63	78.3	55.8	83.8	
154	69.6	62.4	93.6	

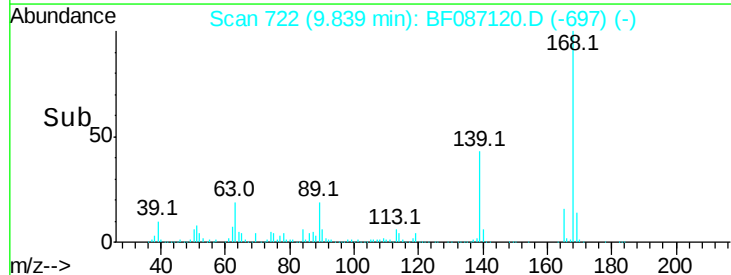
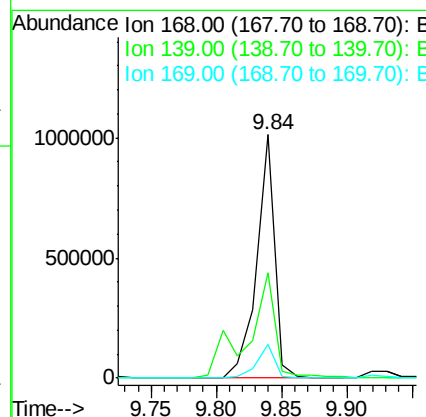
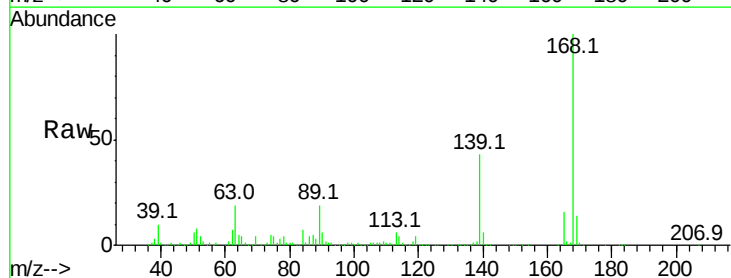
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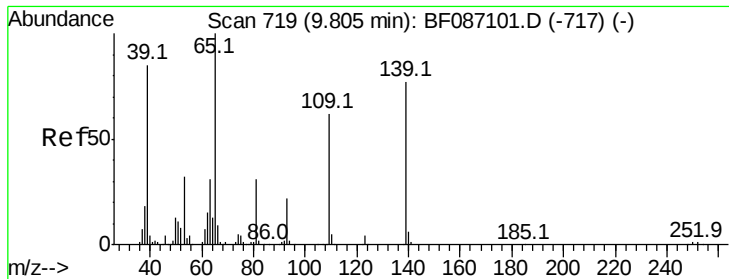
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#54
Dibenzofuran
Concen: 41.39 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.01 min
Lab File: BF087120.D
Acq: 17 May 2016 23:54

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	973216		
139	43.2	31.4	47.0	
169	13.8	10.7	16.1	





#55

4-Nitrophenol

Concen: 61.48 ng/mL

RT: 9.80 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Instrument :

BNA_F

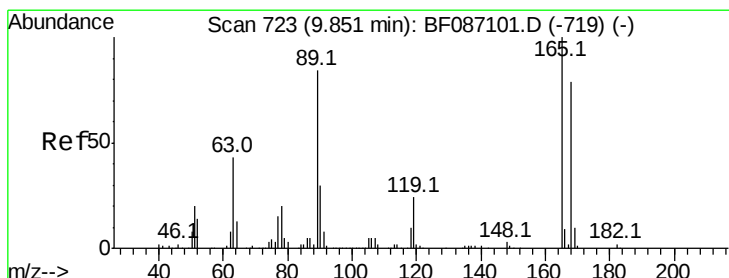
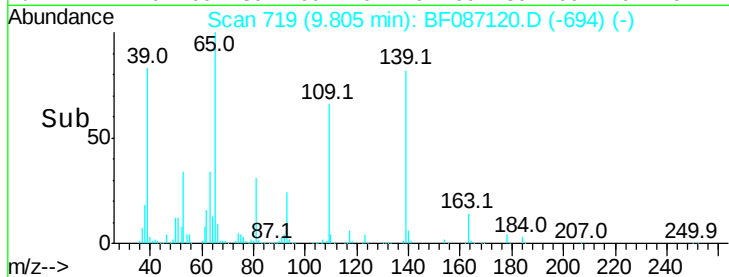
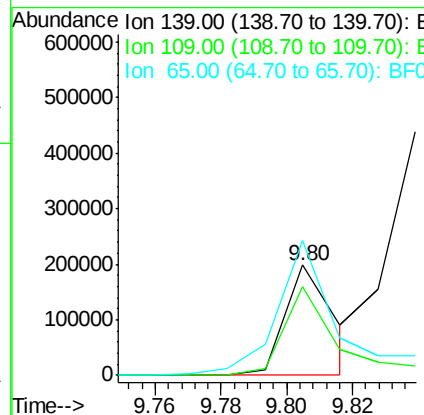
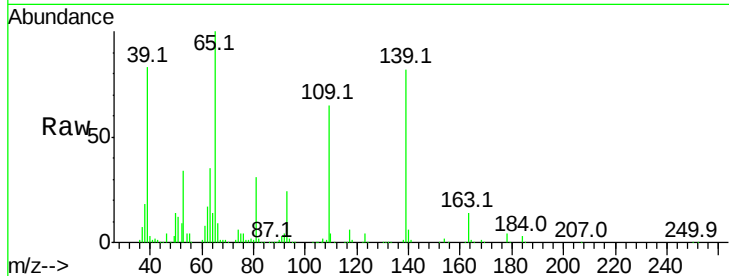
ClientSampled :

PB90666BS

Tot Ion:	139	Resp:	204633
Ion Ratio	Lower	Upper	
139	100		
109	80.2	36.9	76.9#
65	122.5	64.0	104.0#

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#56

2,4-Dinitrotoluene

Concen: 37.00 ng/mL

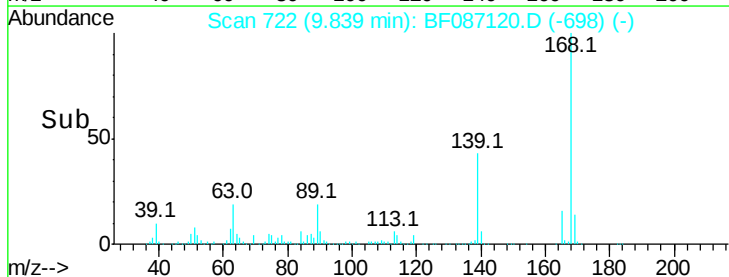
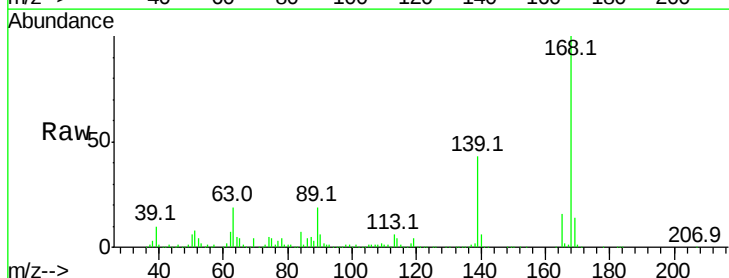
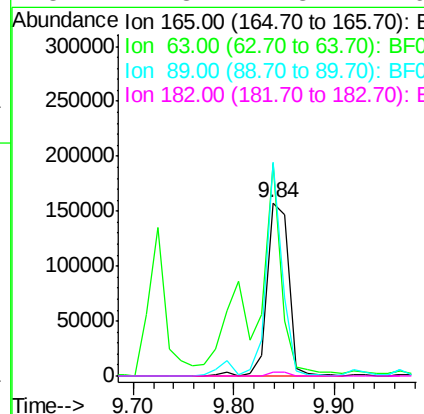
RT: 9.84 min Scan# 722

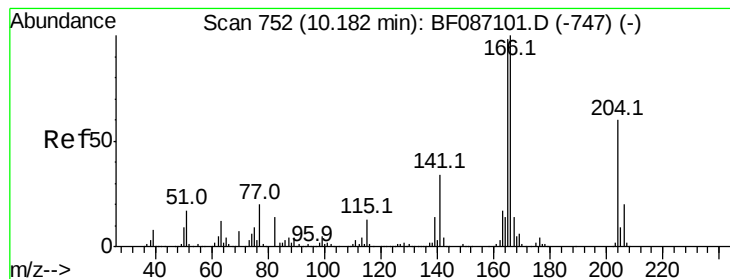
Delta R.T. -0.02 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Tgt Ion:	165	Resp:	235049
Ion Ratio	Lower	Upper	
165	100		
63	122.6	44.3	66.5#
89	123.2	70.0	105.0#
182	2.3	1.8	2.6





#57

Fluorene

Concen: 42.96 ng

RT: 10.18 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Instrument :

BNA_F

ClientSampleId :

PB90666BS

Tot Ion:166 Resp: 811642

Ion Ratio Lower Upper

166 100

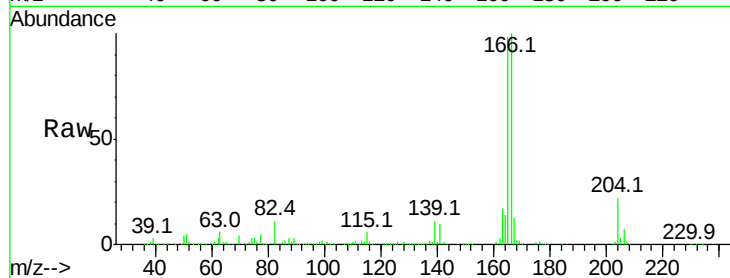
165 98.5 79.0 118.6

167 13.4 10.6 15.8

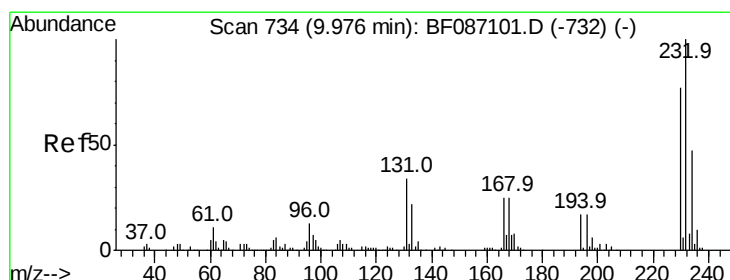
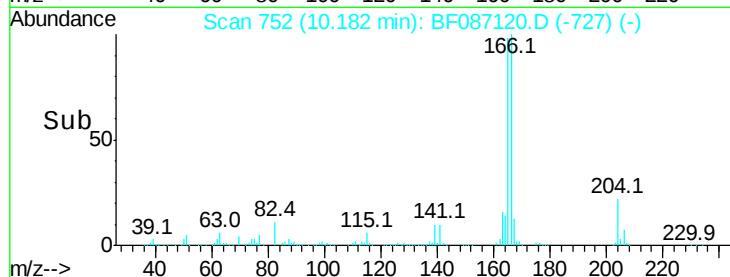
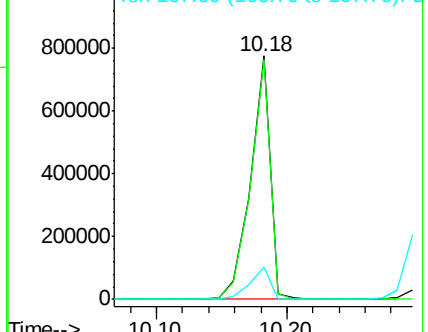
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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 41.34 ng

RT: 9.96 min Scan# 733

Delta R.T. -0.02 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Tgt Ion:232 Resp: 189685

Ion Ratio Lower Upper

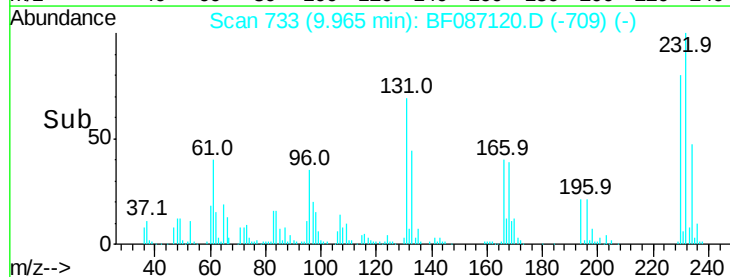
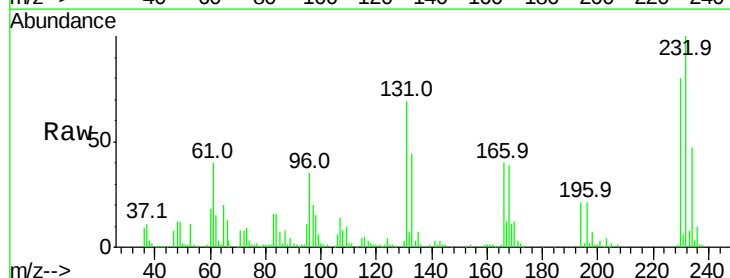
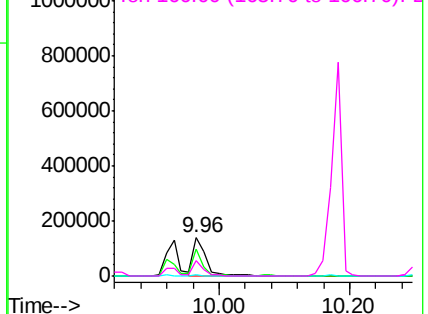
232 100

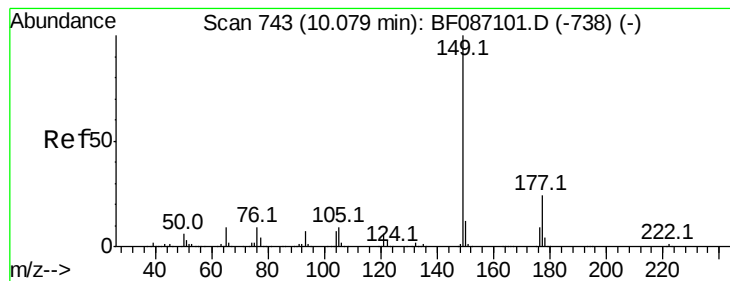
131 55.3 41.9 62.9

130 2.8 2.2 3.4

166 32.8 26.8 40.2

Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 36.57 ng

RT: 10.07 min Scan# 742

Delta R.T. -0.02 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Instrument :

BNA_F

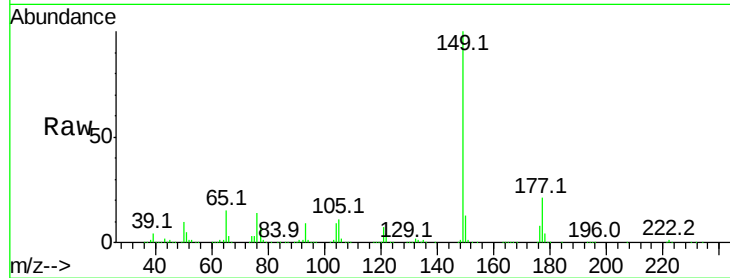
ClientSampleId :

PB90666BS

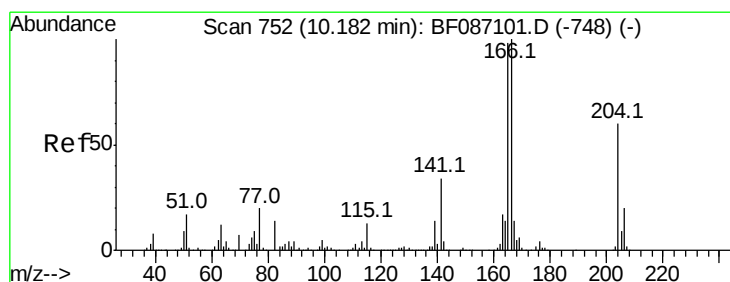
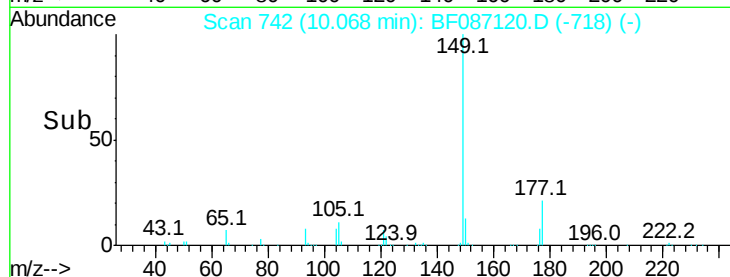
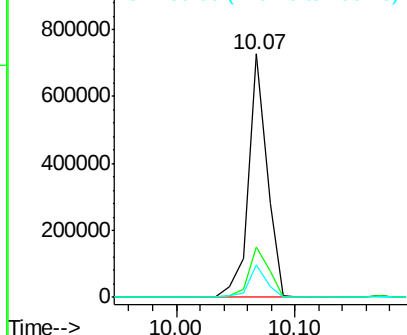
Tot Ion:	149	Resp:	797400
Ion Ratio	Lower	Upper	
149	100		
177	20.9	16.6	24.8
150	13.1	10.0	15.0

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 36.28 ng

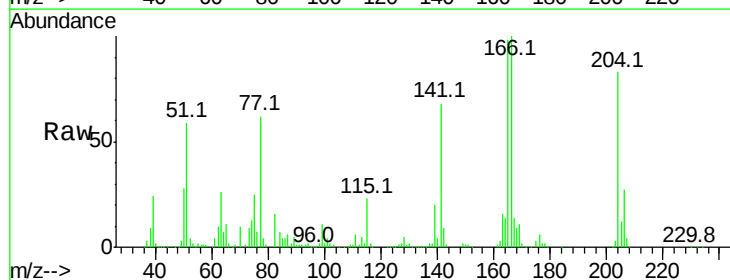
RT: 10.17 min Scan# 751

Delta R.T. -0.02 min

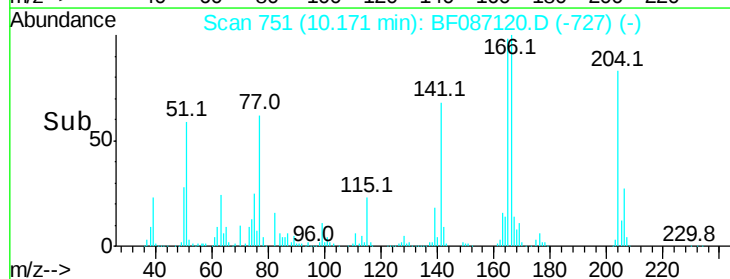
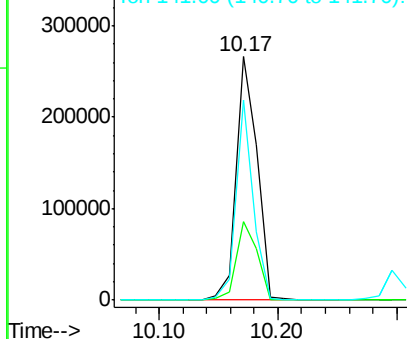
Lab File: BF087120.D

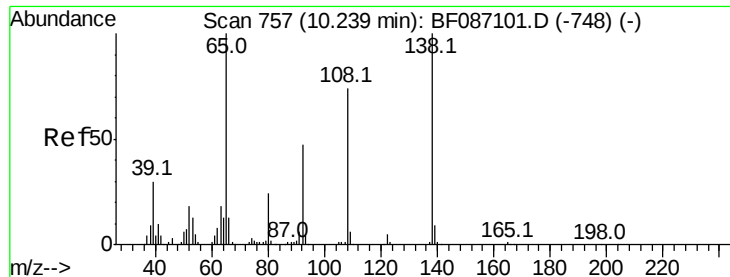
Acq: 17 May 2016 23:54

Tgt Ion:	204	Resp:	324883
Ion Ratio	Lower	Upper	
204	100		
206	32.5	25.4	38.0
141	81.9	61.6	92.4



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 39.21 ng

RT: 10.23 min Scan# 756

Delta R.T. -0.02 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Instrument :

BNA_F

ClientSampleId :

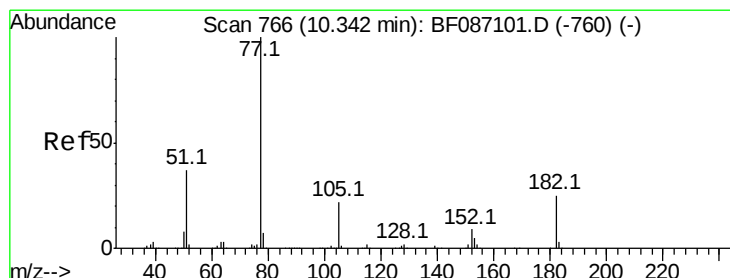
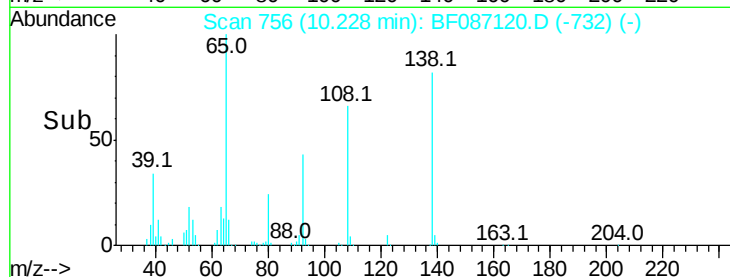
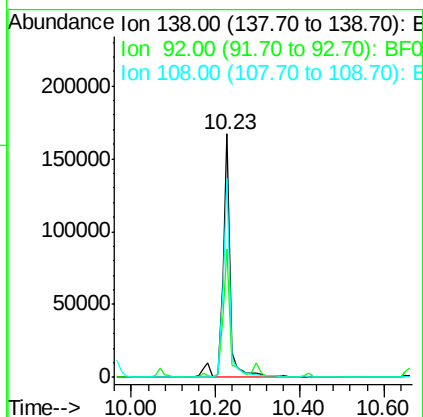
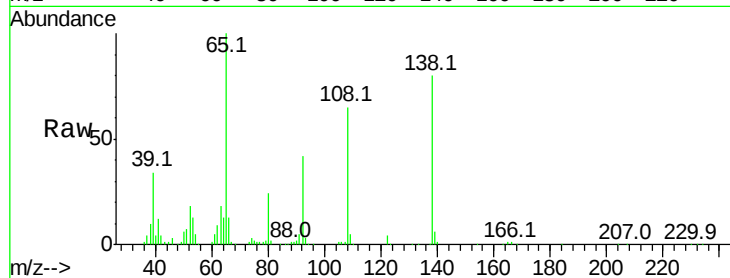
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Tot Ion	Ratio	Resp	Lower	Upper
138	100			
92	52.8	24.7	64.7	
108	81.5	37.4	77.4#	



#62

Azobenzene

Concen: 37.66 ng

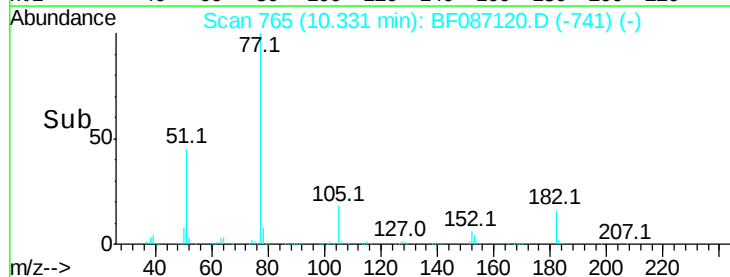
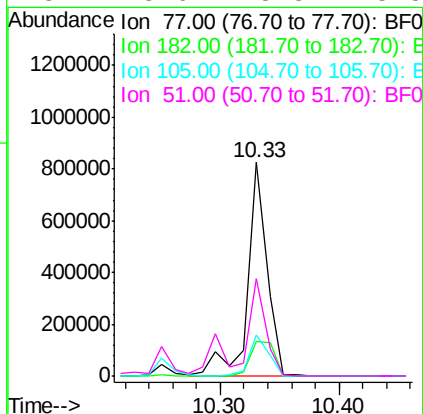
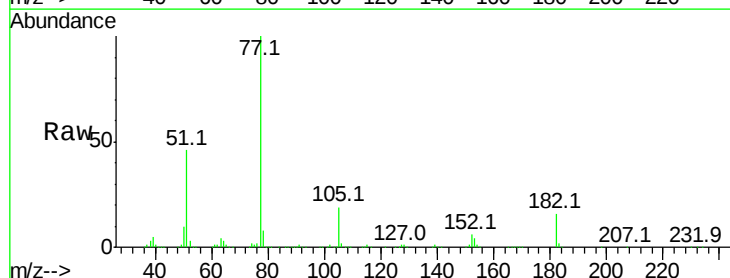
RT: 10.33 min Scan# 765

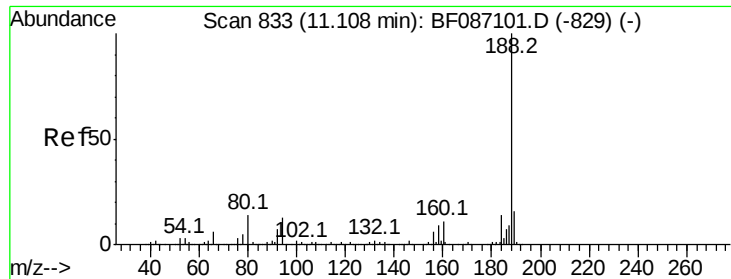
Delta R.T. -0.02 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
182	16.0	0.0	38.8	
105	19.4	3.2	43.2	
51	45.6	8.8	48.8	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.11 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Instrument :

BNA_F

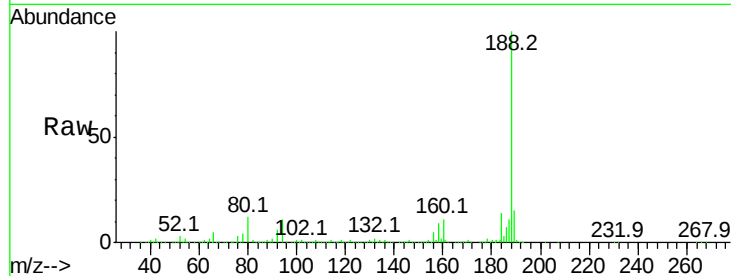
ClientSampleId :

PB90666BS

Tot Ion:	188	Resp:	553863
Ion Ratio	Lower	Upper	
188	100		
94	10.9	6.8	10.2#
80	12.0	7.1	10.7#

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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

11.11

600000

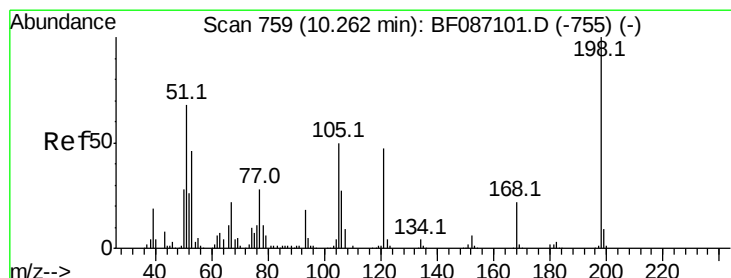
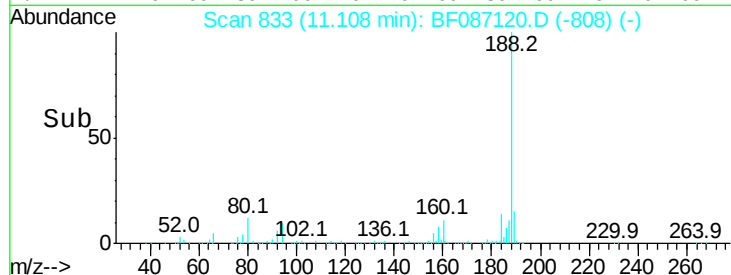
400000

200000

0

Time-->

11.05 11.10 11.15



#64

4,6-Dinitro-2-methylphenol

Concen: 36.84 ng

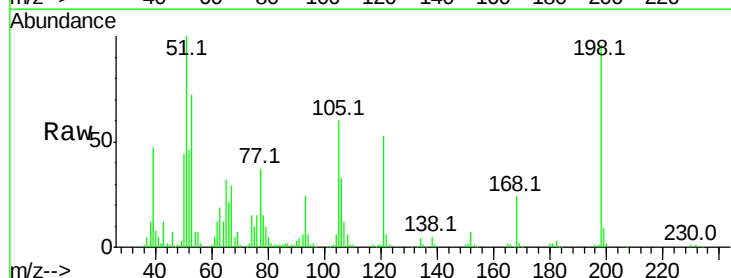
RT: 10.25 min Scan# 758

Delta R.T. -0.02 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Tgt Ion:	198	Resp:	134385
Ion Ratio	Lower	Upper	
198	100		
51	103.8	20.5	60.5#
105	61.8	24.5	64.5



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

500000

400000

300000

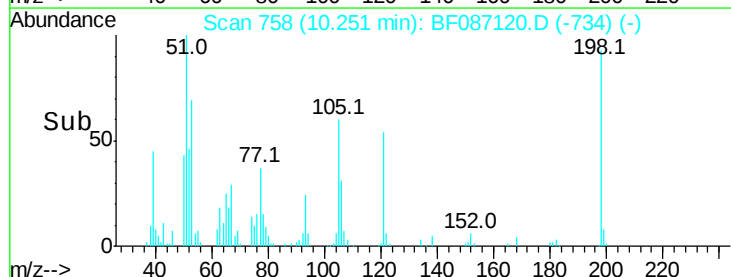
200000

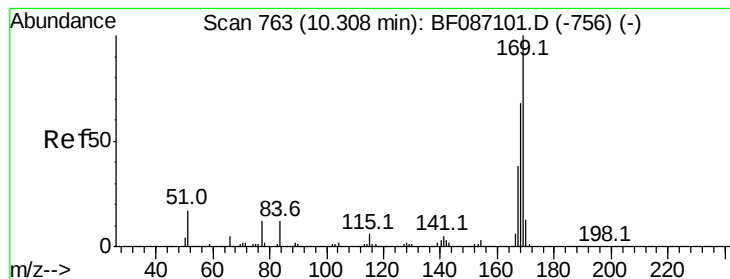
100000

0

Time-->

10.20 10.25 10.30 10.40





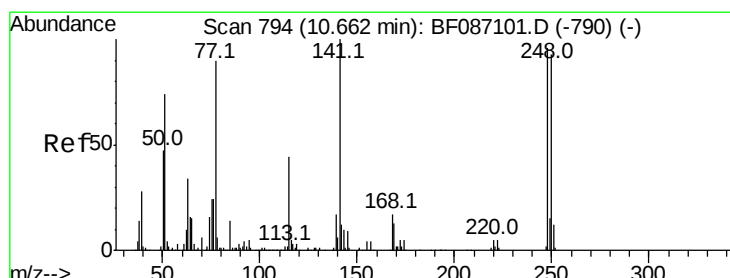
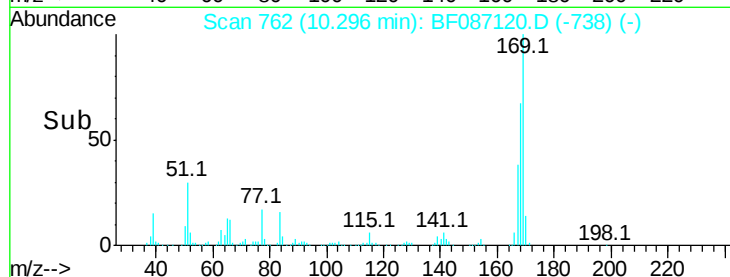
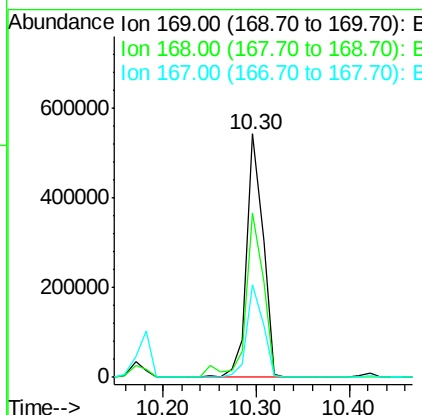
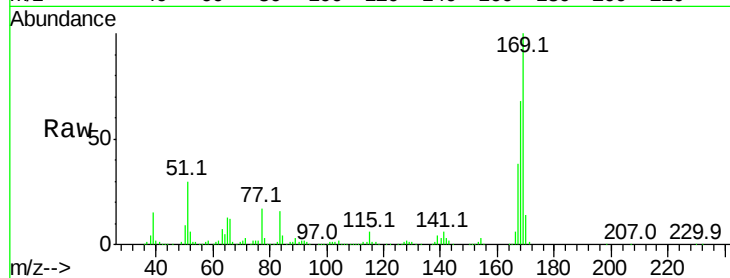
#65
n-Nitrosodiphenylamine
Concen: 38.10 ng
RT: 10.30 min Scan# 762
Delta R.T. -0.02 min
Lab File: BF087120.D
Acq: 17 May 2016 23:54

Instrument :
BNA_F
ClientSampleId :
PB90666BS

Tot Ion	Ratio	Resp	Lower	Upper
169	100	664087		
168	67.7		53.8	80.6
167	37.9		29.5	44.3

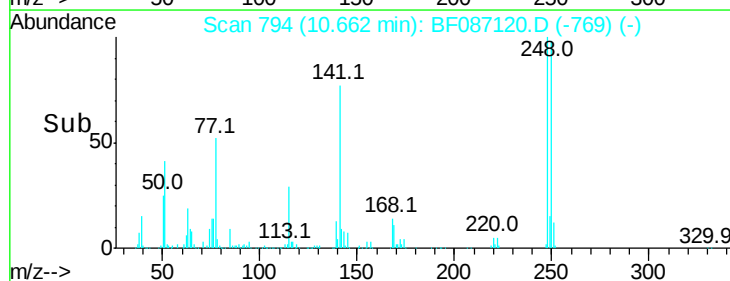
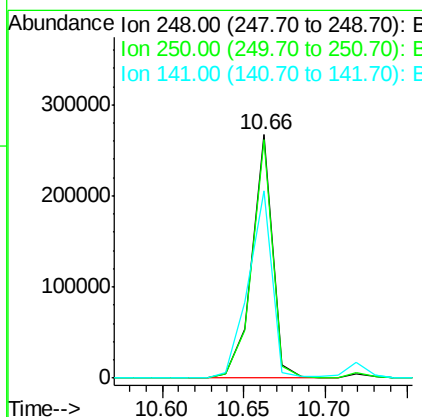
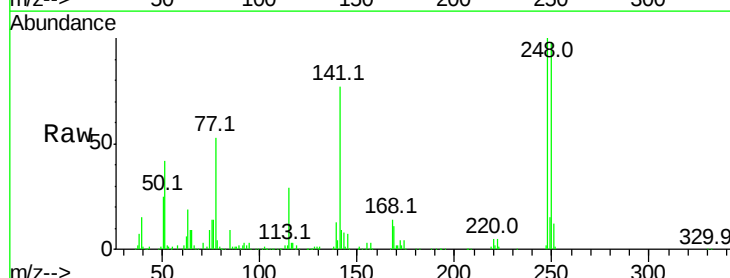
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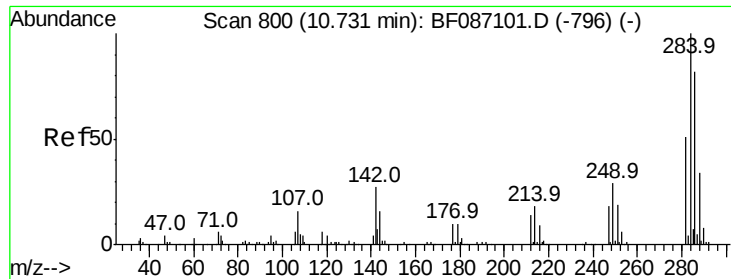
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#66
4-Bromophenyl-phenylether
Concen: 41.33 ng
RT: 10.66 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF087120.D
Acq: 17 May 2016 23:54

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	235401		
250	98.0		78.6	117.8
141	76.7		76.0	114.0





#67

Hexachlorobenzene

Concen: 37.88 ng

RT: 10.72 min Scan# 799

Delta R.T. -0.02 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Instrument :

BNA_F

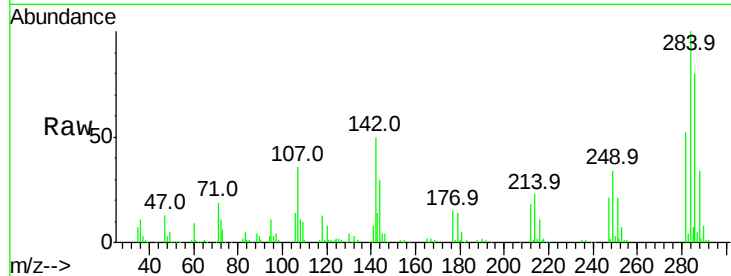
ClientSampleId :

PB90666BS

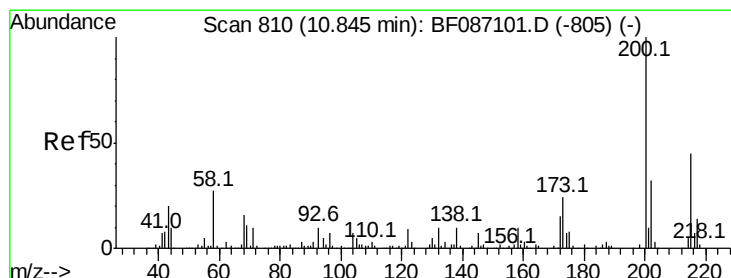
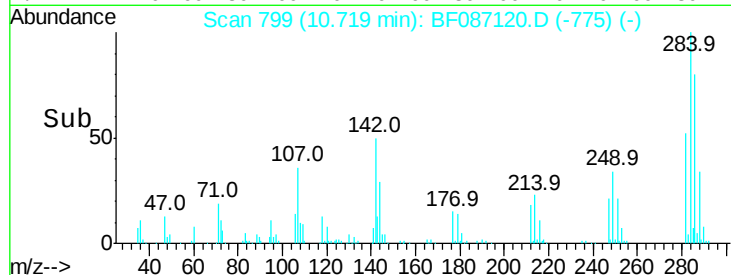
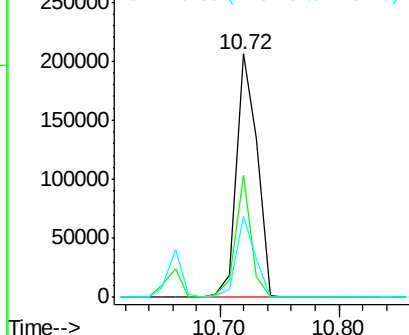
Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	50.3	16.7	25.1#	
249	33.6	21.3	31.9#	

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Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 33.78 ng

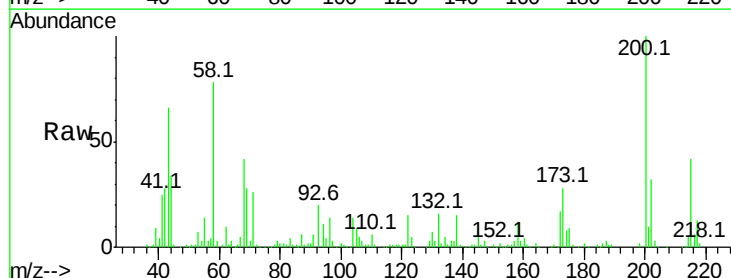
RT: 10.83 min Scan# 809

Delta R.T. -0.02 min

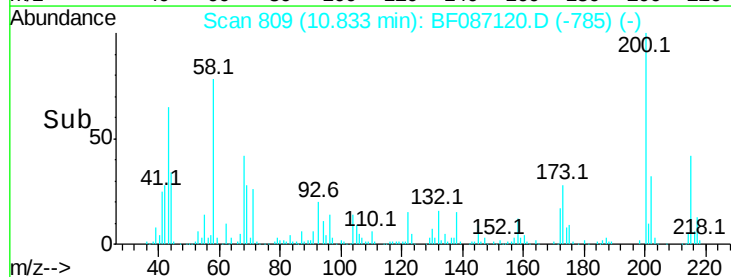
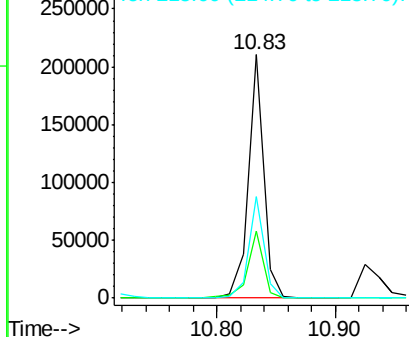
Lab File: BF087120.D

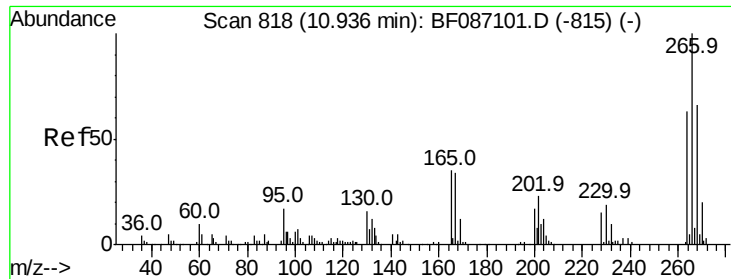
Acq: 17 May 2016 23:54

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	27.5	8.5	48.5	
215	41.6	27.2	67.2	



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





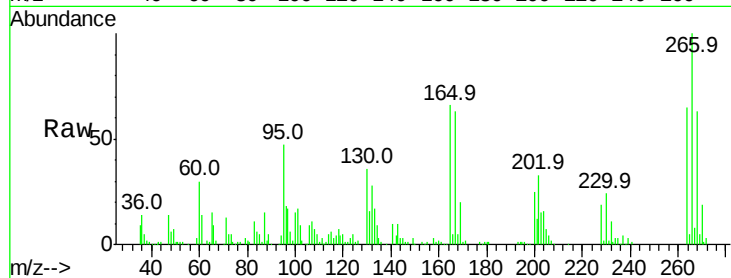
#69
 Pentachlorophenol
 Concen: 84.96 ng
 RT: 10.92 min Scan# 817
 Delta R.T. -0.02 min
 Lab File: BF087120.D
 Acq: 17 May 2016 23:54

Instrument :
 BNA_F
 ClientSampleId :
 PB90666BS

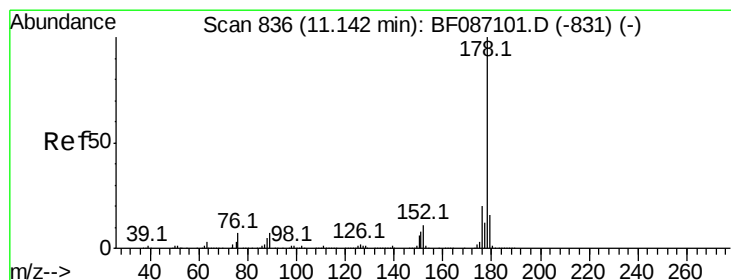
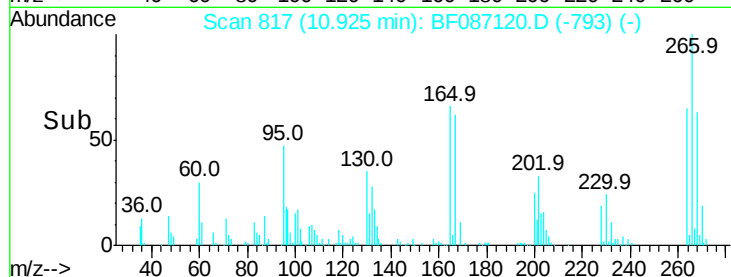
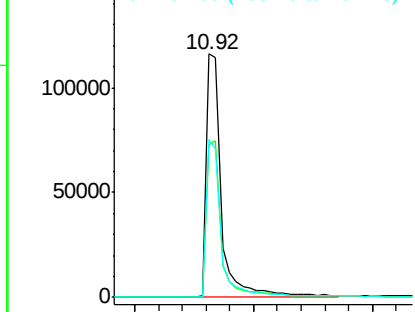
Tot Ion	Ratio	Resp	Lower	Upper
266	100	210749		
268	62.7	51.5	77.3	
264	64.9	52.9	79.3	

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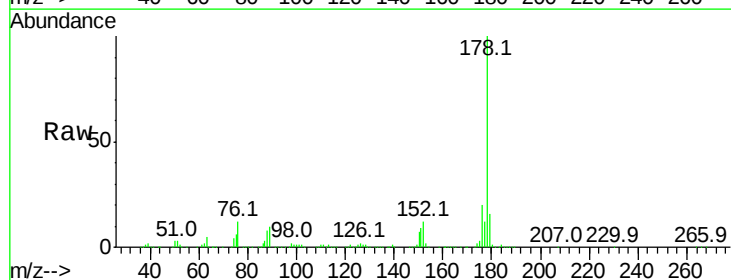


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

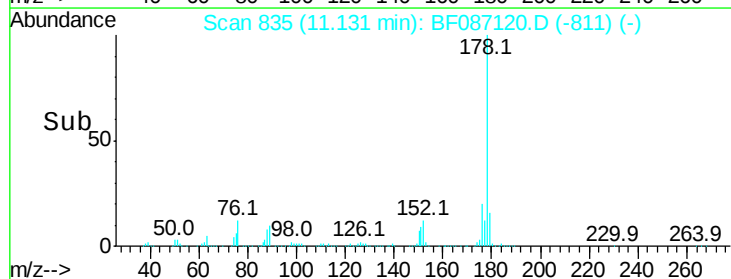
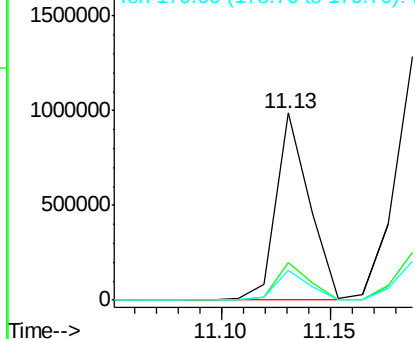


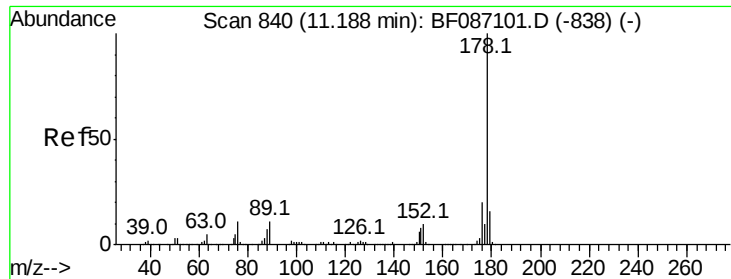
#70
 Phenanthrene
 Concen: 35.31 ng
 RT: 11.13 min Scan# 835
 Delta R.T. -0.02 min
 Lab File: BF087120.D
 Acq: 17 May 2016 23:54

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1060846		
176	20.2	16.0	24.0	
179	15.7	12.6	18.8	



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 40.89 ng

RT: 11.19 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Instrument :

BNA_F

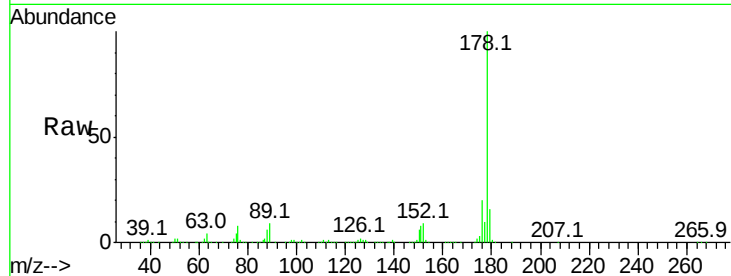
ClientSampleId :

PB90666BS

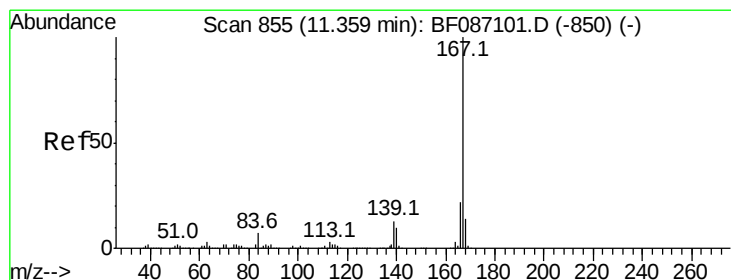
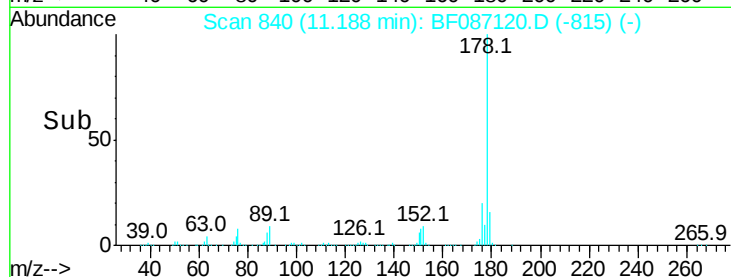
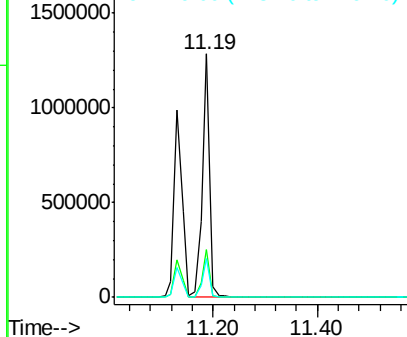
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Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.6	23.4
179	15.9	12.7	19.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 36.02 ng

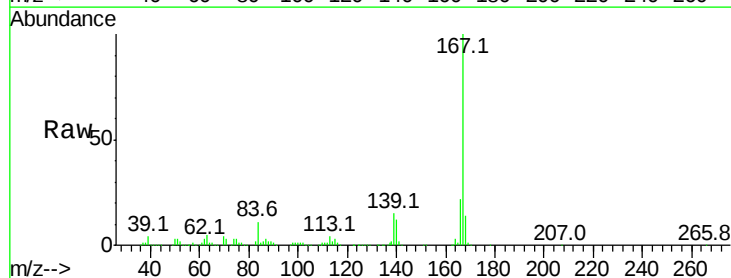
RT: 11.35 min Scan# 854

Delta R.T. -0.02 min

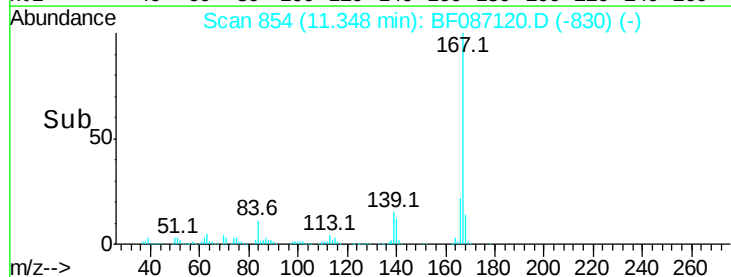
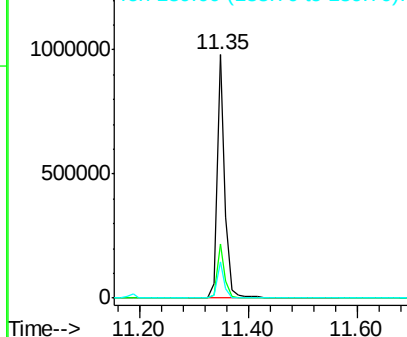
Lab File: BF087120.D

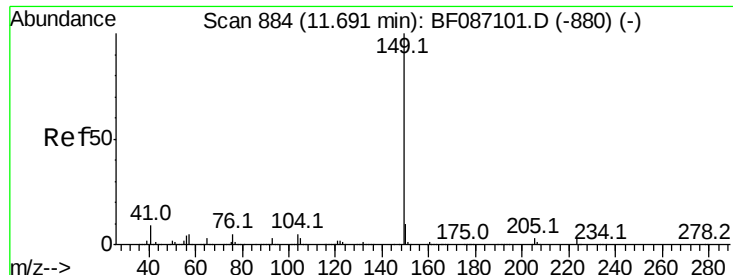
Acq: 17 May 2016 23:54

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.7	26.5
139	15.1	10.8	16.2



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 39.35 ng

RT: 11.68 min Scan# 883

Delta R.T. -0.02 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Instrument :

BNA_F

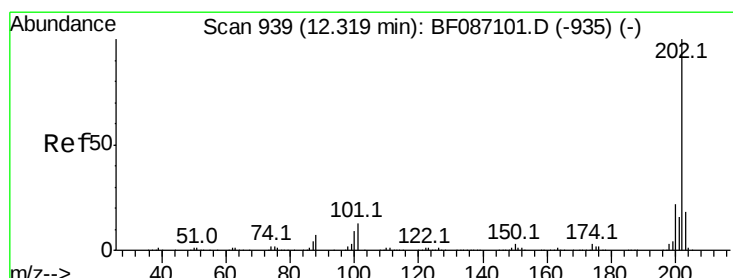
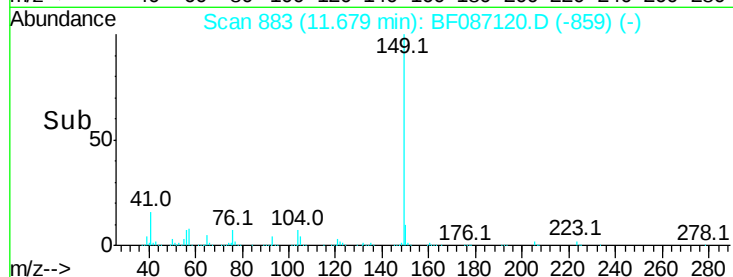
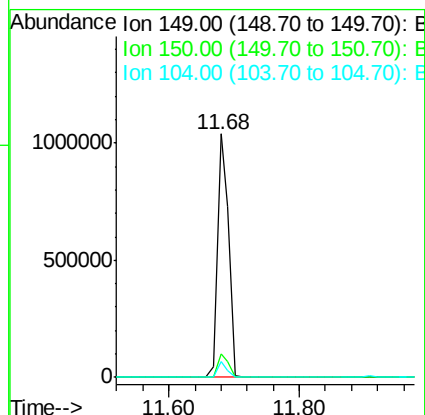
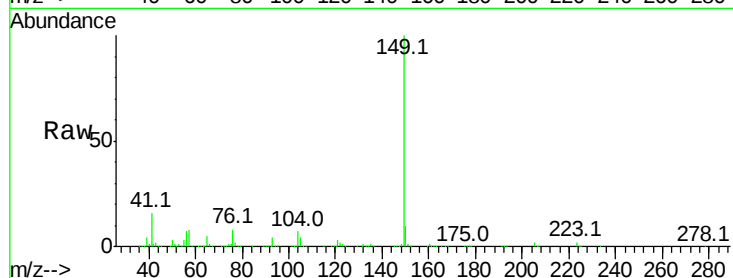
ClientSampleId :

PB90666BS

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Tot Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.6	11.4
104	6.7	3.8	5.6



#74

Fluoranthene

Concen: 41.88 ng

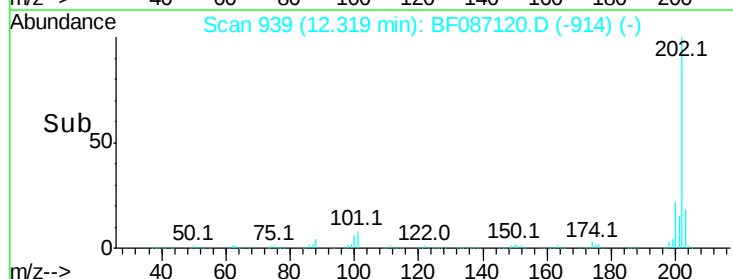
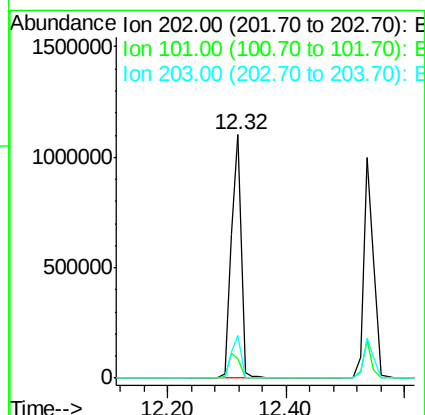
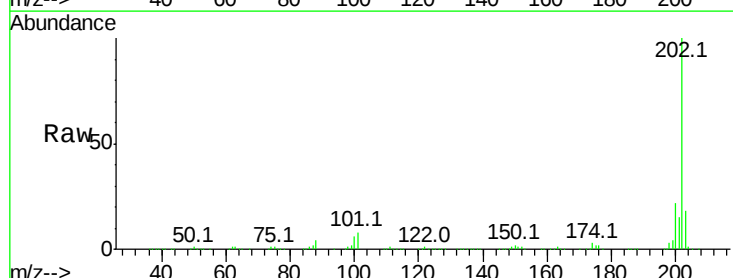
RT: 12.32 min Scan# 939

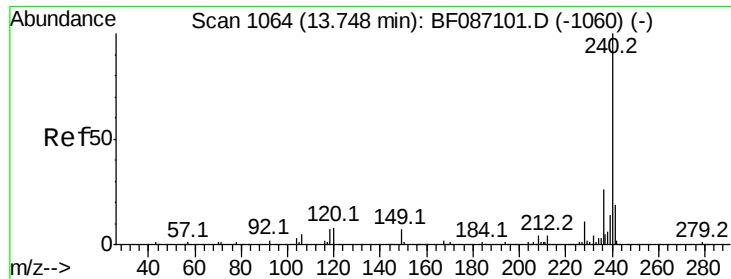
Delta R.T. -0.01 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.8	0.0	35.4
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.02 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Instrument :

BNA_F

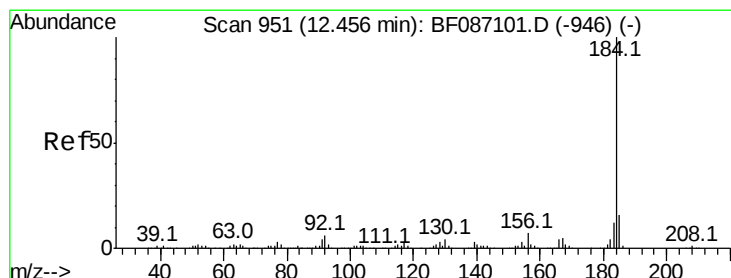
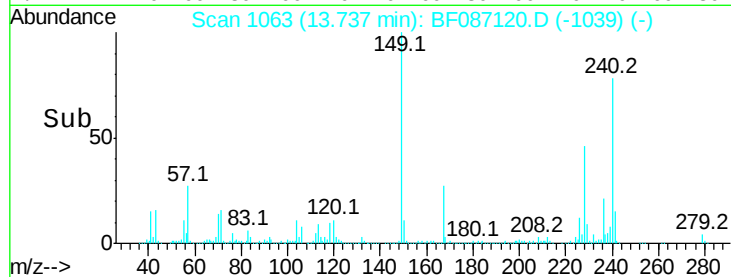
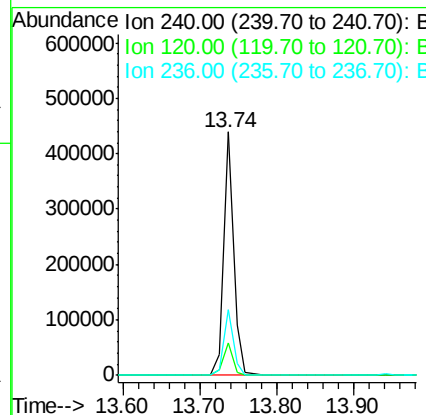
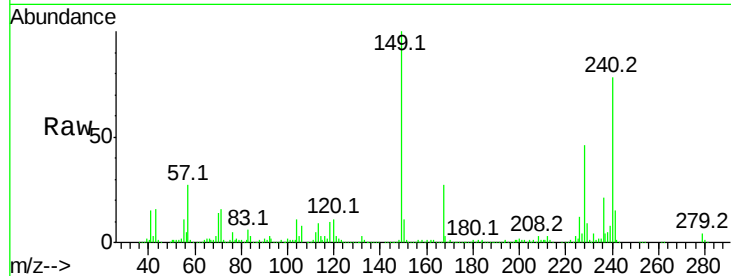
ClientSampleId :

PB90666BS

Tot Ion:	240	Resp:	398631
Ion Ratio	Lower	Upper	
240	100		
120	13.5	11.2	16.8
236	26.8	21.2	31.8

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#76

Benzidine

Concen: 11.15 ng

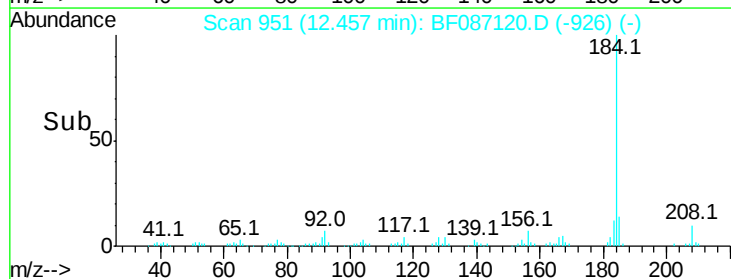
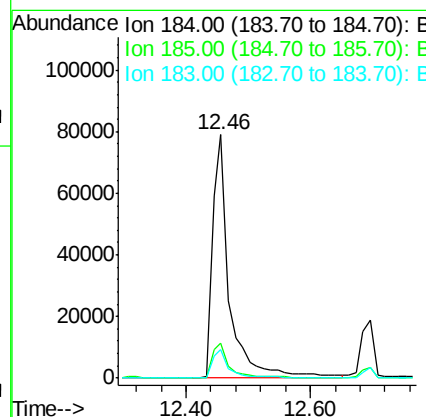
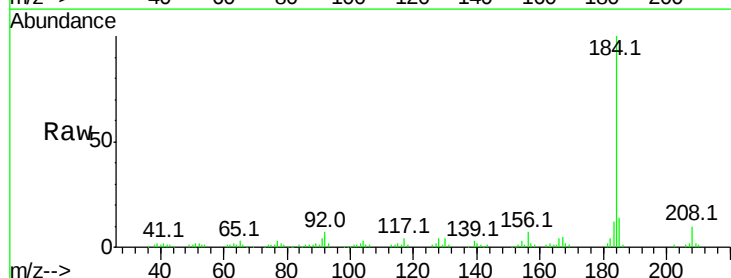
RT: 12.46 min Scan# 951

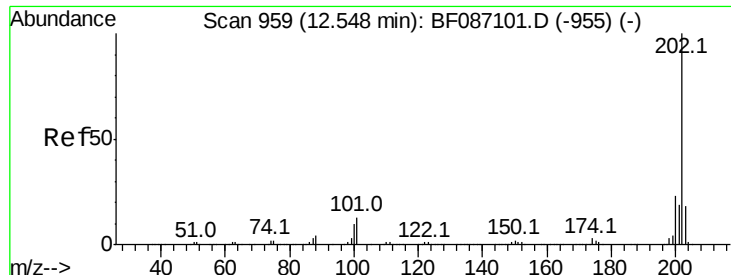
Delta R.T. -0.01 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Tgt Ion:	184	Resp:	147900
Ion Ratio	Lower	Upper	
184	100		
185	14.3	13.6	20.4
183	11.9	9.8	14.6





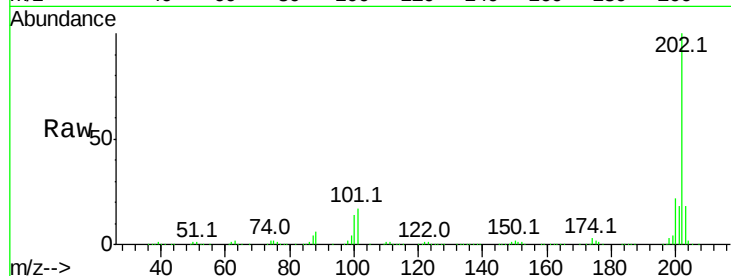
#77
Pvrene
Concen: 39.46 ng
RT: 12.54 min Scan# 958
Delta R.T. -0.02 min
Lab File: BF087120.D
Acq: 17 May 2016 23:54

Instrument :
BNA_F
ClientSampleId :
PB90666BS

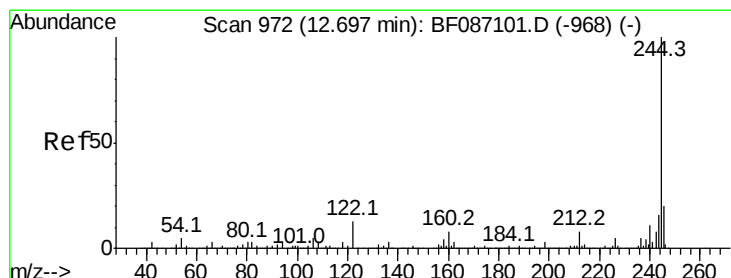
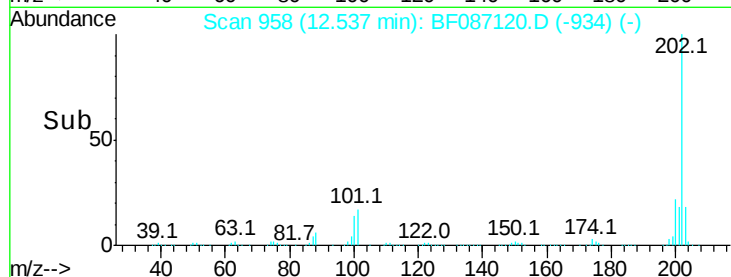
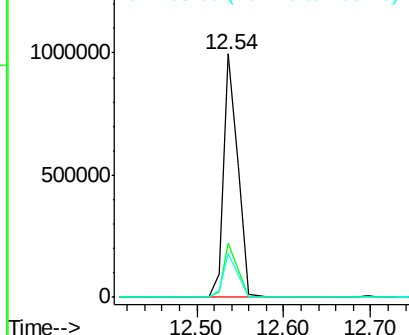
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.7	26.5
203	18.1	14.2	21.4

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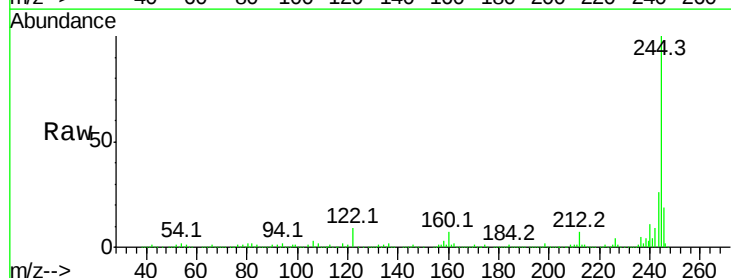


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

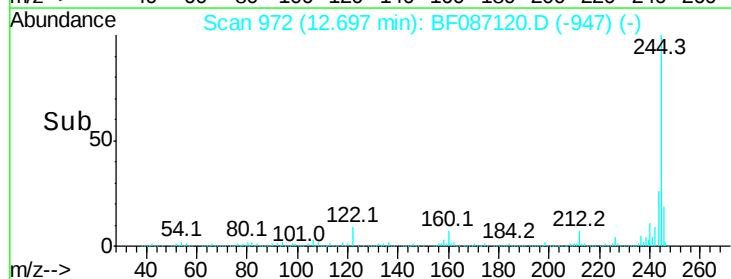
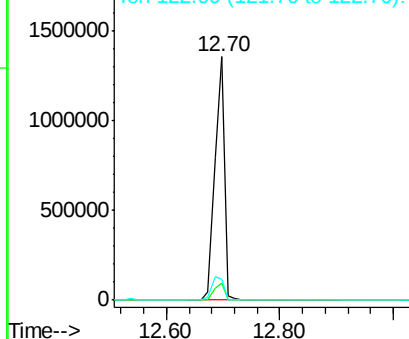


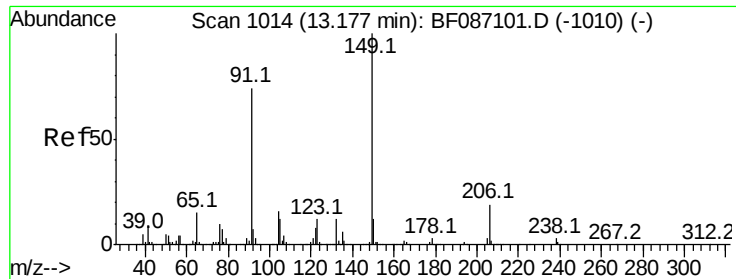
#78
Terphenyl-d14
Concen: 87.68 ng
RT: 12.70 min Scan# 972
Delta R.T. -0.01 min
Lab File: BF087120.D
Acq: 17 May 2016 23:54

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.2	9.2
122	8.5	12.0	18.0#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 43.94 ng

RT: 13.17 min Scan# 1013

Delta R.T. -0.02 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Instrument :

BNA_F

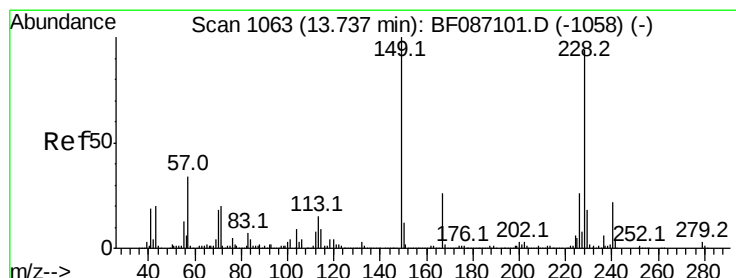
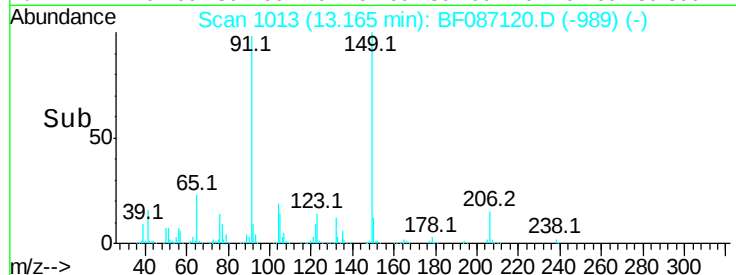
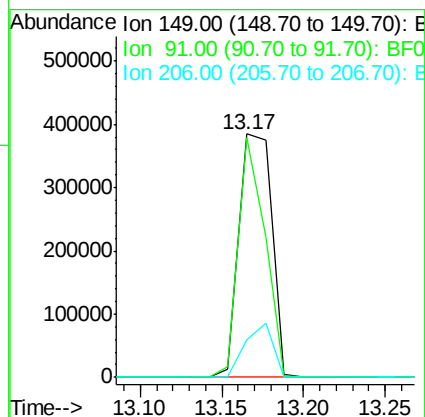
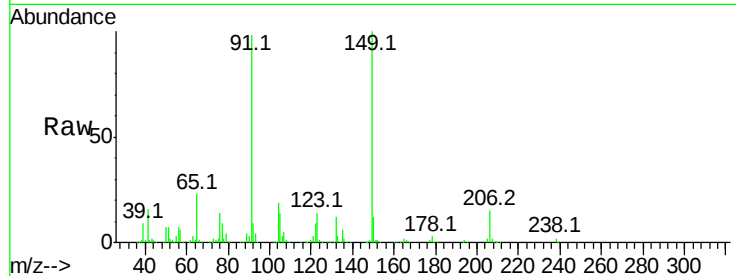
ClientSampleId :

PB90666BS

Tot Ion:	149	Resp:	534195
Ion Ratio	Lower	Upper	
149	100		
91	98.3	48.0	72.0#
206	15.2	15.8	23.6#

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#80

Benzo(a)anthracene

Concen: 40.61 ng

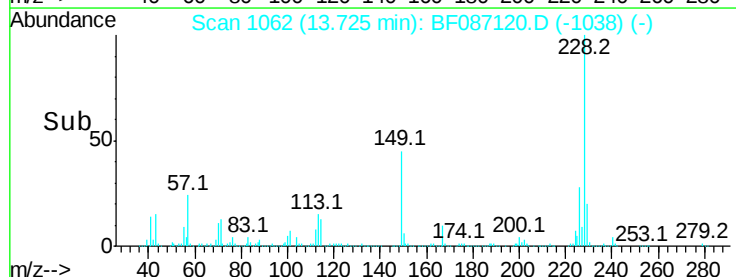
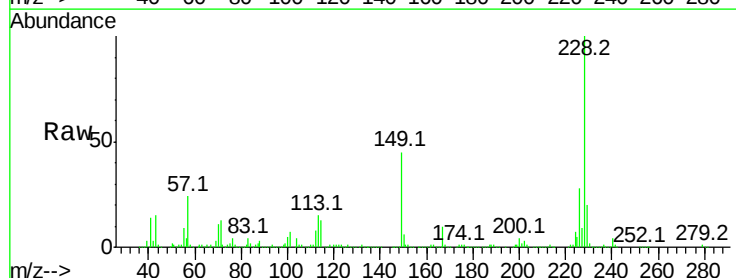
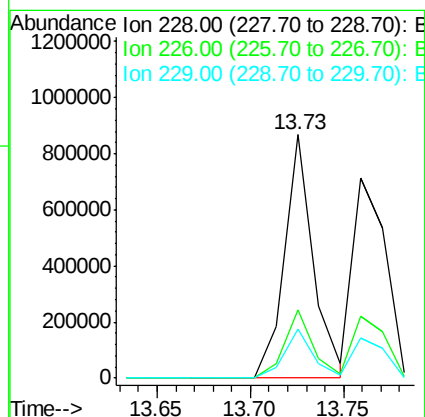
RT: 13.73 min Scan# 1062

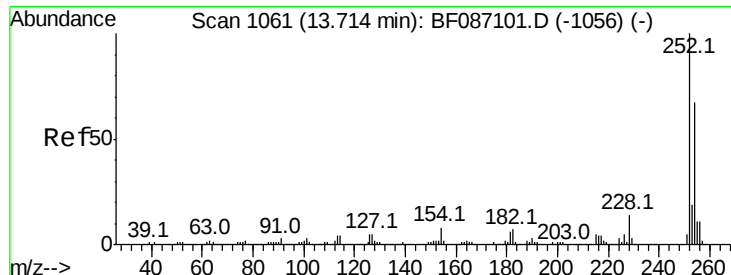
Delta R.T. -0.02 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Tgt Ion:	228	Resp:	936017
Ion Ratio	Lower	Upper	
228	100		
226	28.1	22.5	33.7
229	20.4	16.6	25.0





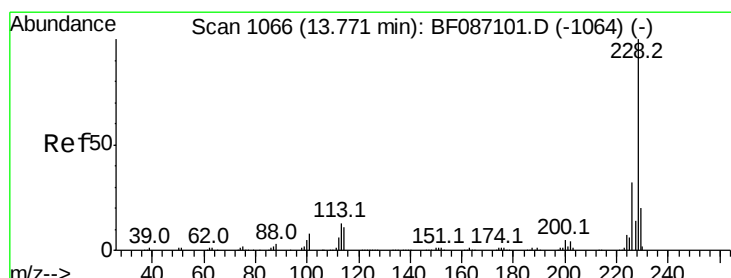
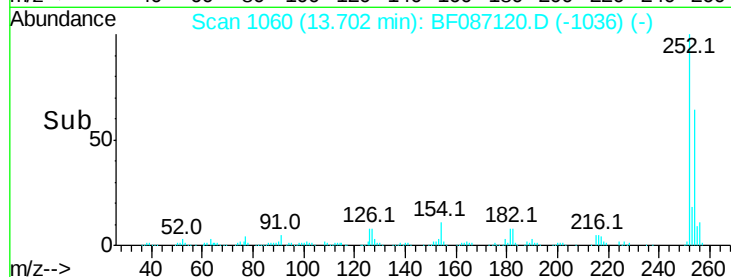
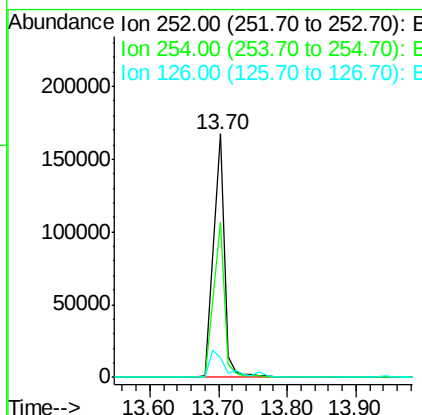
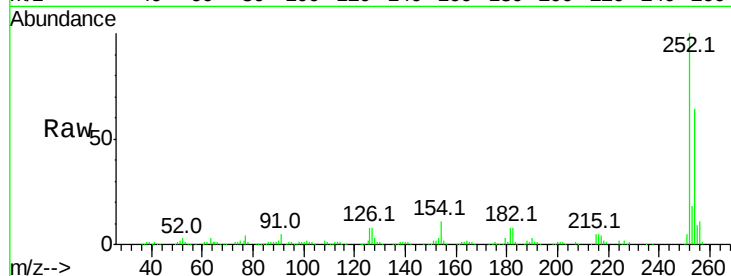
#81
 3,3'-Dichlorobenzidine
 Concen: 13.10 ng
 RT: 13.70 min Scan# 1060
 Delta R.T. -0.02 min
 Lab File: BF087120.D
 Acq: 17 May 2016 23:54

Instrument :
 BNA_F
 ClientSampleId :
 PB90666BS

Tot Ion	Ratio	Resp Lower	Resp Upper
252	100		
254	64.0	50.7	76.1
126	8.0	12.7	19.1

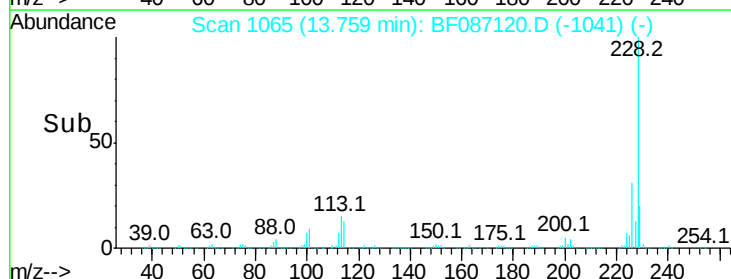
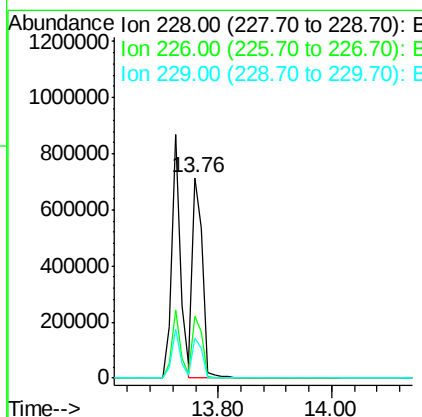
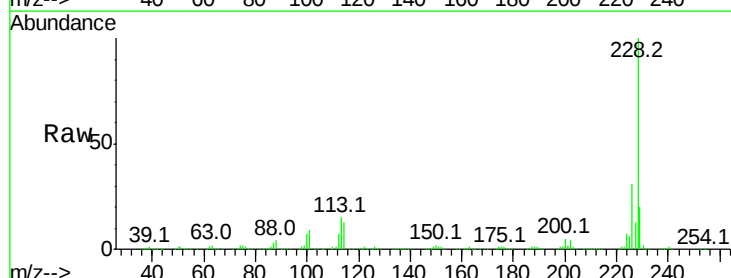
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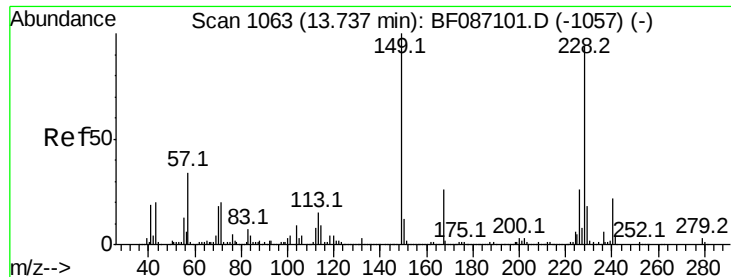
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#82
 Chrysene
 Concen: 40.21 ng
 RT: 13.76 min Scan# 1065
 Delta R.T. -0.02 min
 Lab File: BF087120.D
 Acq: 17 May 2016 23:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	31.0	24.4	36.6
229	20.1	15.8	23.8





#83

Bis(2-ethylhexyl)phthalate

Concen: 45.26 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.01 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Instrument :

BNA_F

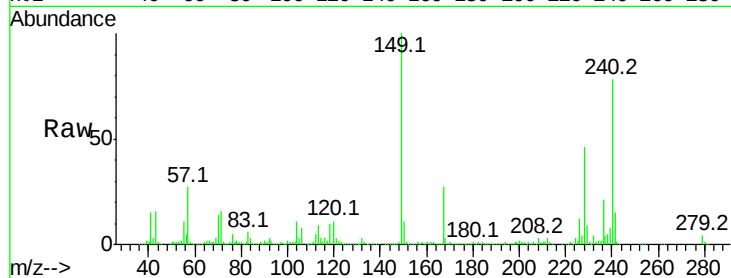
ClientSampleId :

PB90666BS

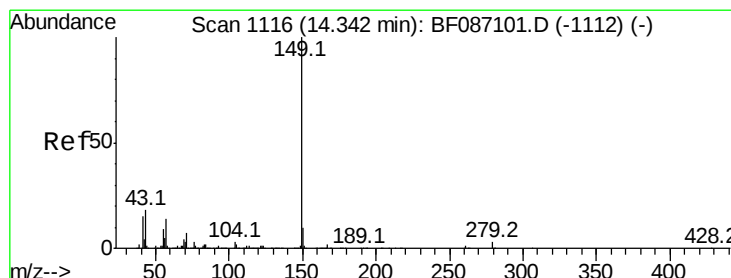
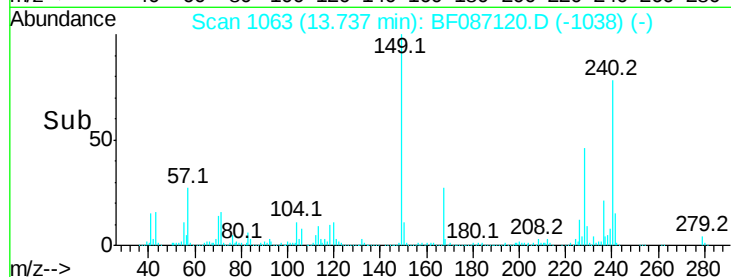
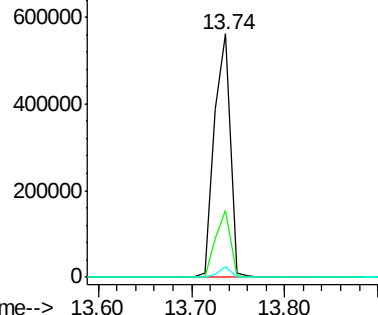
Tot Ion:	149	Resp:	669611
Ion Ratio	Lower	Upper	
149	100		
167	27.4	21.8	32.6
279	4.4	2.6	4.0#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 47.94 ng

RT: 14.34 min Scan# 1116

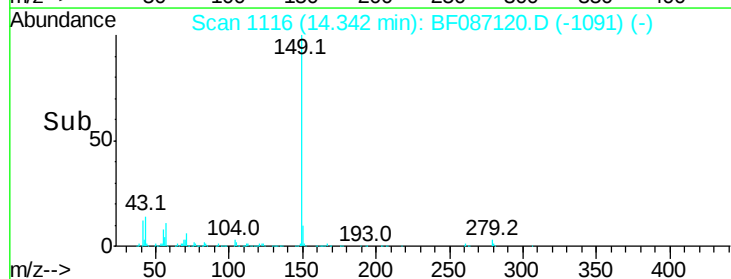
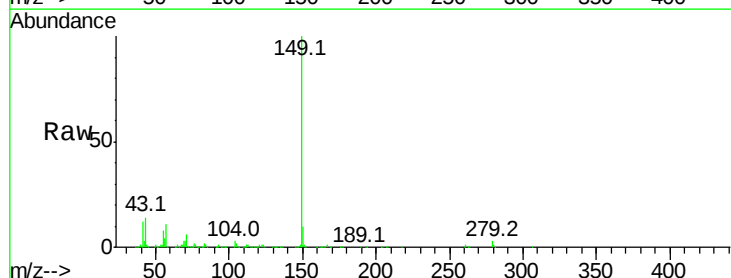
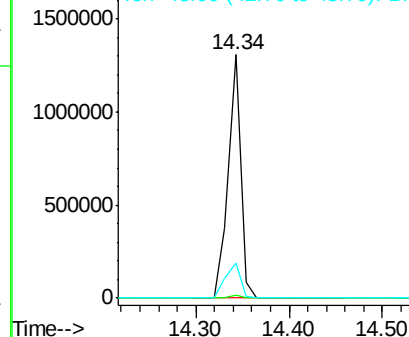
Delta R.T. -0.01 min

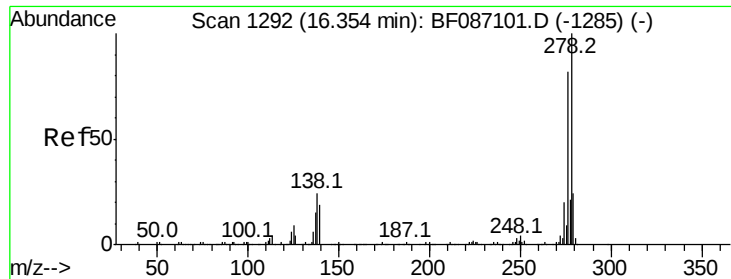
Lab File: BF087120.D

Acq: 17 May 2016 23:54

Tgt Ion:	149	Resp:	1221800
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.2	1.8
43	16.9	8.2	12.4#

Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0





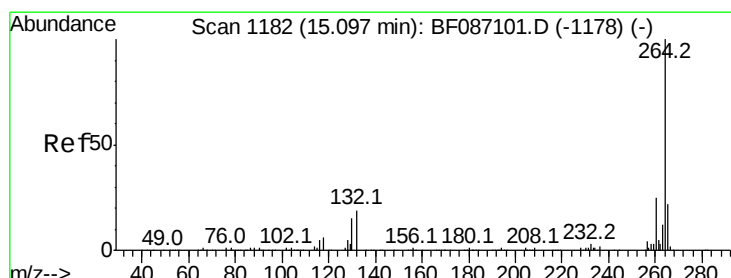
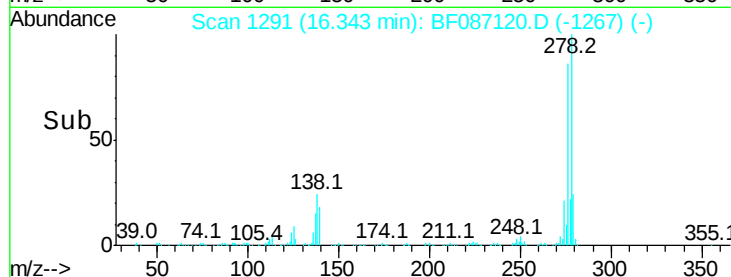
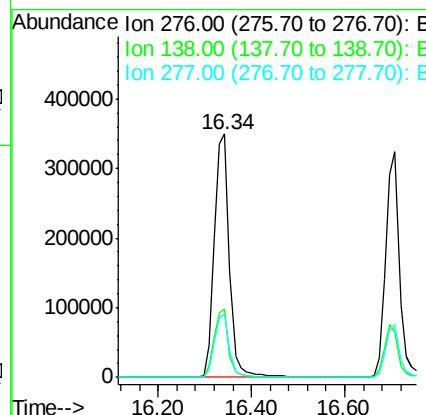
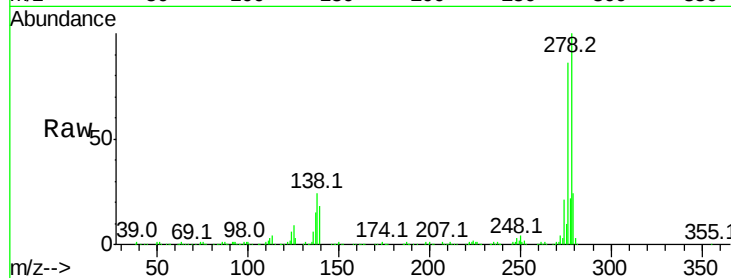
#85
Indeno(1,2,3-cd)pyrene
Concen: 41.05 ng
RT: 16.34 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF087120.D
Acq: 17 May 2016 23:54

Instrument :
BNA_F
ClientSampleId :
PB90666BS

Tot Ion	Ratio	Resp	Lower	Upper
276	100	803596		
138	27.2		25.6	38.4
277	25.6		20.5	30.7

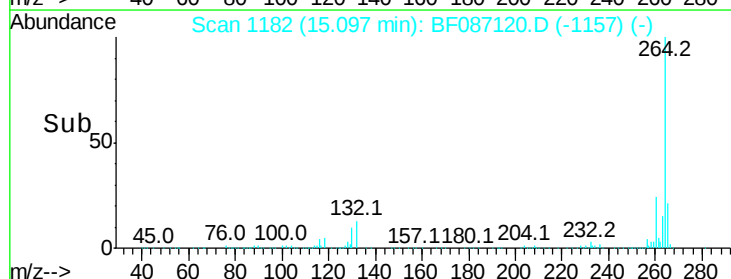
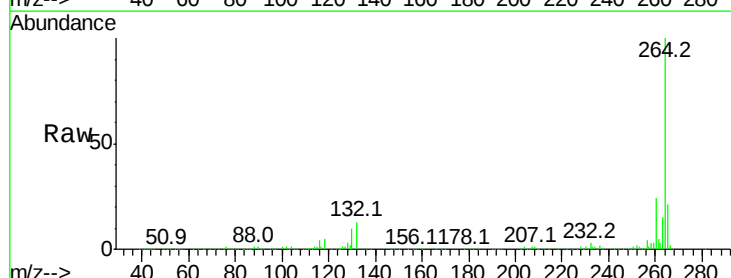
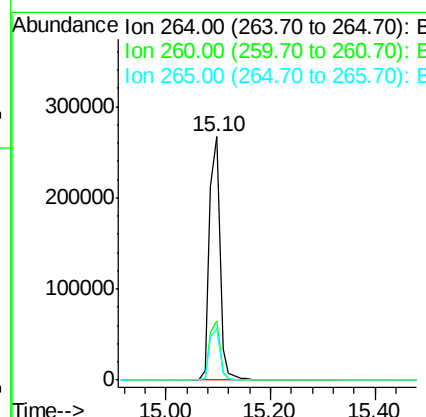
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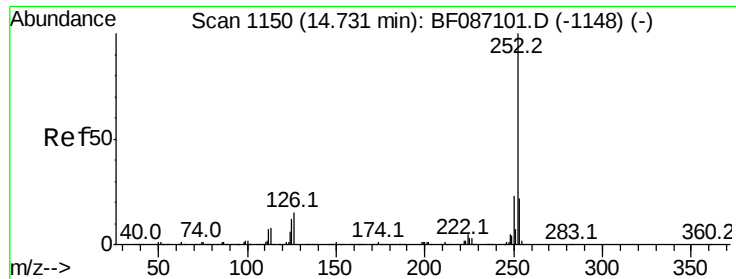
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.10 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF087120.D
Acq: 17 May 2016 23:54

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	376004		
260	24.4		19.5	29.3
265	21.1		17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 40.26 ng m

RT: 14.73 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

Instrument :

BNA_F

ClientSampleId :

PB90666BS

Tot Ion:252 Resp: 1004305

Ion Ratio Lower Upper

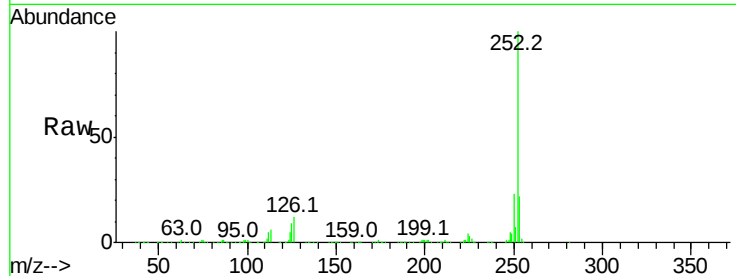
252 100

253 22.2 17.8 26.6

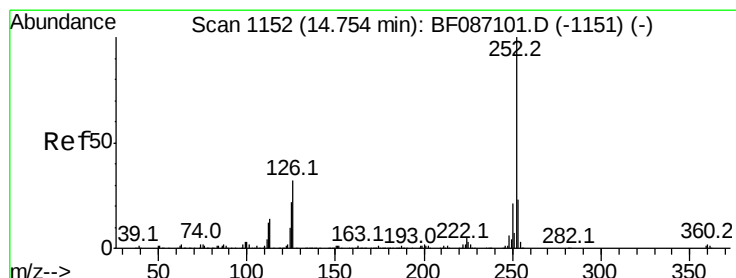
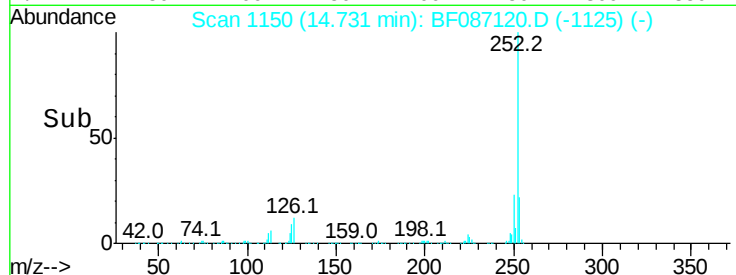
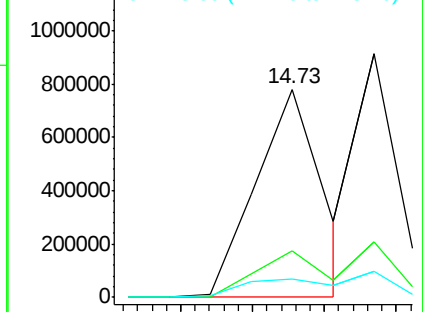
125 9.0 11.4 17.0#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 40.53 ng m

RT: 14.75 min Scan# 1152

Delta R.T. -0.02 min

Lab File: BF087120.D

Acq: 17 May 2016 23:54

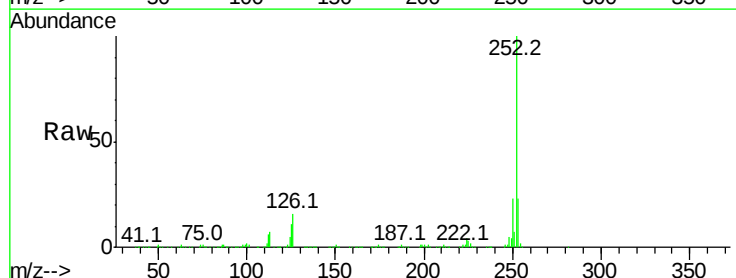
Tgt Ion:252 Resp: 752585

Ion Ratio Lower Upper

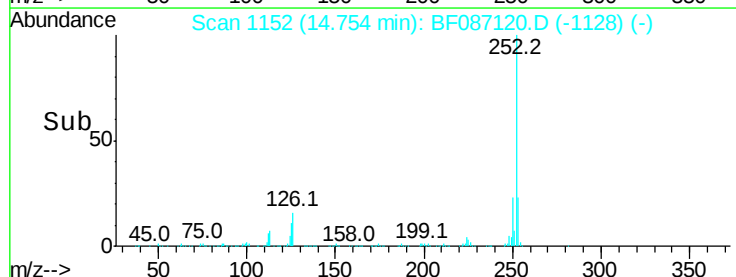
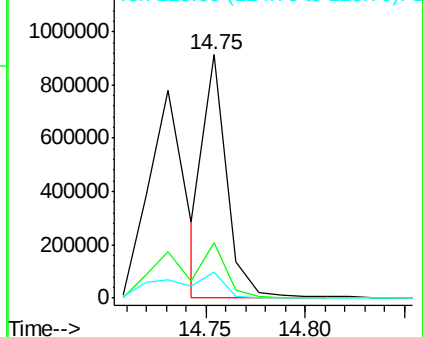
252 100

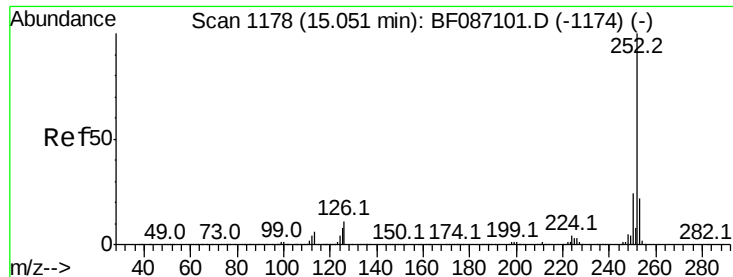
253 23.0 17.8 26.6

125 10.7 9.1 13.7



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





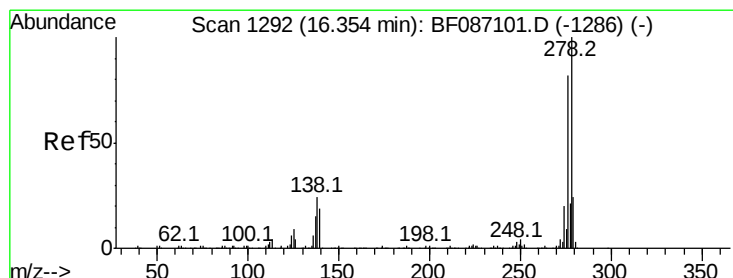
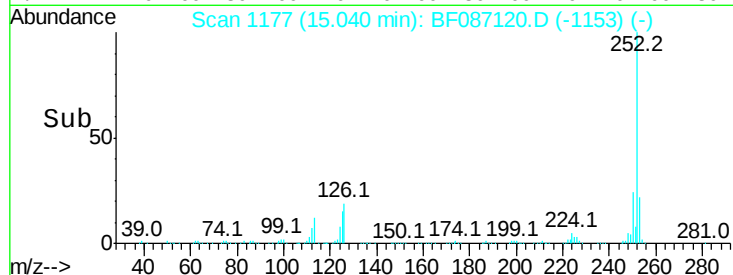
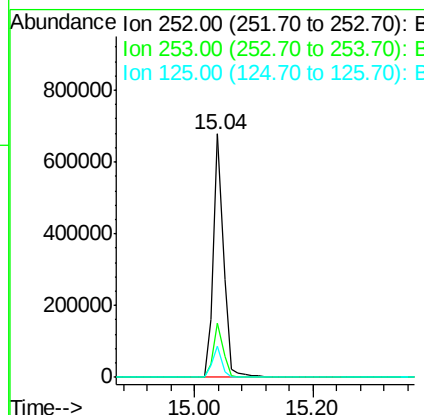
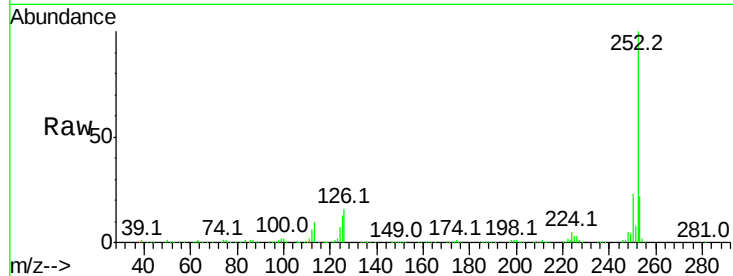
#89
Benzo(a)pyrene
Concen: 38.59 ng
RT: 15.04 min Scan# 1177
Delta R.T. -0.02 min
Lab File: BF087120.D
Acq: 17 May 2016 23:54

Instrument :
BNA_F
ClientSampleId :
PB90666BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	12.8	9.0	13.6

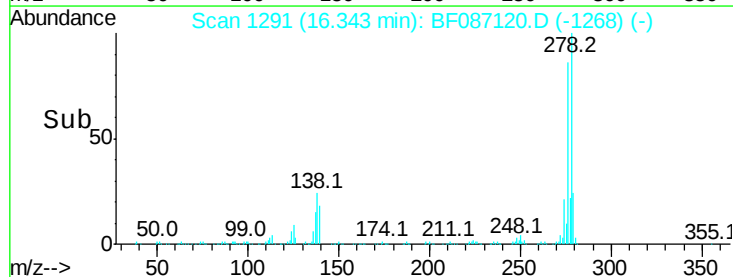
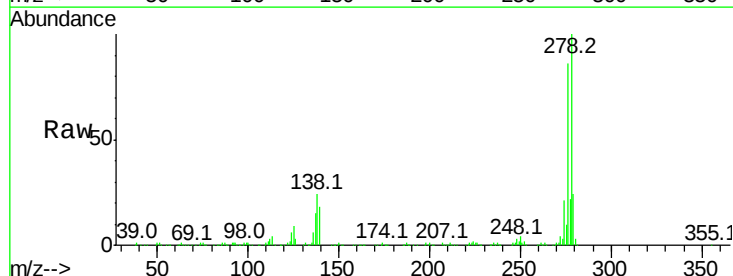
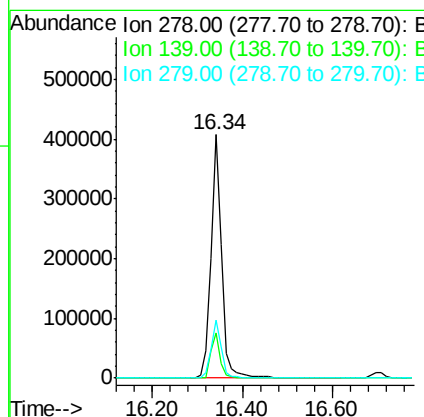
Manual Integrations
APPROVED

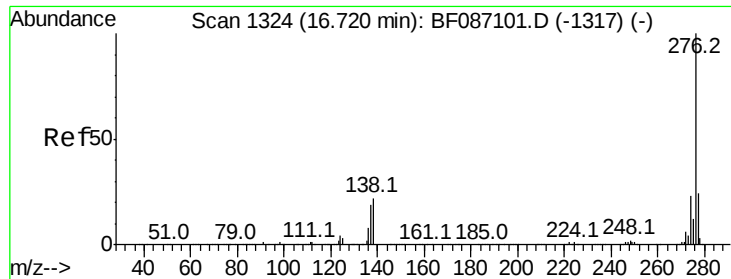
sohil
5/18/2016 6:58:53 PM



#90
Dibenzo(a,h)anthracene
Concen: 38.35 ng
RT: 16.34 min Scan# 1291
Delta R.T. -0.03 min
Lab File: BF087120.D
Acq: 17 May 2016 23:54

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.4	16.6	24.8
279	23.9	19.6	29.4





#91
 Benzo(a,h,i)perylene
 Concen: 37.60 ng
 RT: 16.71 min Scan# 1323
 Delta R.T. -0.03 min
 Lab File: BF087120.D
 Acq: 17 May 2016 23:54

Instrument :
 BNA_F
 ClientSampleId :
 PB90666BS

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	23.4	19.6	29.4
138	19.8	23.6	35.4

Manual Integrations
 APPROVED

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