

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\
 Data File : BF087109.D
 Acq On : 17 May 2016 18:34
 Operator : UM/SJ
 Sample : H3074-01MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216MS

Manual Integrations
 APPROVED

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 5/18/2016 6:57:33 PM

Quant Time: May 18 02:15:36 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	143991	20.00	ng	-0.01
21) Naphthalene-d8	7.88	136	587181	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	282356	20.00	ng	-0.01
63) Phenanthrene-d10	11.11	188	524611	20.00	ng	-0.01
75) Chrysene-d12	13.74	240	366148	20.00	ng	-0.02
86) Perylene-d12	15.10	264	385996	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.20	112	1026248	119.80	ng	0.00
7) Phenol-d6	6.27	99	1324346	115.27	ng	-0.01
23) Nitrobenzene-d5	7.18	82	1051899	89.28	ng	-0.01
41) 2,4,6-Tribromophenol	10.43	330	441989	141.66	ng	-0.01
44) 2-Fluorobiphenyl	8.97	172	1734174	101.72	ng	-0.01
78) Terphenyl-d14	12.70	244	1577952	97.49	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.22	88	141121	32.02	ng	# 66
3) Pyridine	2.86	79	158317	14.85	ng	# 67
4) n-Nitrosodimethylamine	2.75	42	300137	39.73	ng	# 50
6) Aniline	6.27	93	110874	7.60	ng	# 1
8) 2-Chlorophenol	6.39	128	411486	39.48	ng	90
9) Benzaldehyde	6.15	77	23388	2.75	ng	96
10) Phenol	6.28	94	479087	33.17	ng	85
11) bis(2-Chloroethyl)ether	6.34	93	405095	37.35	ng	86
12) 1,3-Dichlorobenzene	6.54	146	417137	37.65	ng	99
13) 1,4-Dichlorobenzene	6.62	146	421747	37.20	ng	99
14) 1,2-Dichlorobenzene	6.76	146	392743	39.57	ng	98
15) Benzyl Alcohol	6.76	79	397037	46.42	ng	94
16) 2,2'-oxybis(1-Chloropropan	6.89	45	857493	38.46	ng	66
17) 2-Methylphenol	6.89	107	340995	39.84	ng	# 79
18) Hexachloroethane	7.10	117	163541	37.74	ng	97
19) n-Nitroso-di-n-propylamine	7.03	70	341181	39.06	ng	# 67
20) 3+4-Methylphenols	7.05	107	471763	41.78	ng	# 59
22) Acetophenone	7.02	105	610202	42.46	ng	# 97
24) Nitrobenzene	7.19	77	464627	36.12	ng	95
25) Isophorone	7.43	82	893086	41.41	ng	97
26) 2-Nitrophenol	7.51	139	224898	42.20	ng	# 78
27) 2,4-Dimethylphenol	7.56	122	369685	40.65	ng	87
28) bis(2-Chloroethoxy)methane	7.64	93	515995	43.58	ng	# 98
29) 2,4-Dichlorophenol	7.76	162	358398	44.72	ng	96
30) 1,2,4-Trichlorobenzene	7.83	180	369691	41.57	ng	97
31) Naphthalene	7.91	128	1261728	43.98	ng	100
32) Benzoic acid	7.74	122	246300	45.44	ng	# 79
33) 4-Chloroaniline	7.98	127	81569	6.84	ng	# 91
34) Hexachlorobutadiene	8.02	225	206040	40.83	ng	98
35) Caprolactam	8.36	113	95313m	35.72	ng	
36) 4-Chloro-3-methylphenol	8.48	107	397896	41.16	ng	90
37) 2-Methylnaphthalene	8.59	142	761316m	41.49	ng	
39) 1,2,4,5-Tetrachlorobenzene	8.76	216	353529	42.87	ng	98
40) Hexachlorocyclopentadiene	8.75	237	261698	81.96	ng	93

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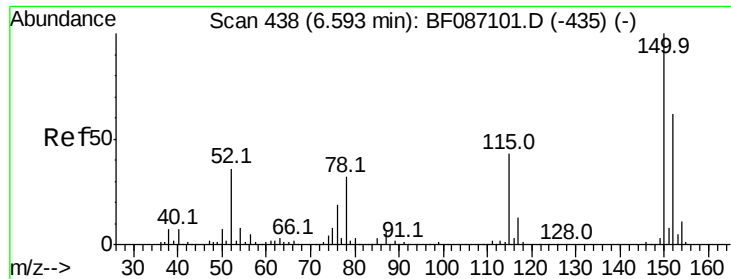
Manual Integrations
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 5/18/2016 6:57:33 PM

Quant Time: May 18 02:15:36 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)
42) 2,4,6-Trichlorophenol	8.89	196	233927	43.74	nq	93
43) 2,4,5-Trichlorophenol	8.94	196	227360	40.92	nq #	74
45) 1,1'-Biphenyl	9.06	154	939744	40.14	nq	96
46) 2-Chloronaphthalene	9.08	162	734859	40.89	nq	94
47) 2-Nitroaniline	9.20	65	317181	46.05	nq	84
48) Acenaphthylene	9.50	152	1134452	41.33	nq	99
49) Dimethylphthalate	9.38	163	977650	45.39	nq	99
50) 2,6-Dinitrotoluene	9.44	165	180351	38.56	nq #	71
51) Acenaphthene	9.67	154	736850	42.97	nq	97
52) 3-Nitroaniline	9.61	138	36721	7.25	nq #	81
53) 2,4-Dinitrophenol	9.72	184	227001	84.43	nq #	78
54) Dibenzofuran	9.84	168	981924	44.29	nq	93
55) 4-Nitrophenol	9.80	139	191470m	61.19	nq	
56) 2,4-Dinitrotoluene	9.85	165	288566	48.17	nq #	80
57) Fluorene	10.18	166	788803	44.28	nq	99
58) 2,3,4,6-Tetrachlorophenol	9.98	232	202461	46.79	nq	98
59) Diethylphthalate	10.08	149	968362	47.09	nq	95
60) 4-Chlorophenyl-phenylether	10.18	204	385897	45.70	nq #	79
61) 4-Nitroaniline	10.23	138	187447	37.50	nq #	72
62) Azobenzene	10.34	77	1066305	45.00	nq	87
64) 4,6-Dinitro-2-methylphenol	10.26	198	151569	43.87	nq	90
65) n-Nitrosodiphenylamine	10.31	169	784036	47.49	nq	99
66) 4-Bromophenyl-phenylether	10.66	248	224802	41.67	nq	96
67) Hexachlorobenzene	10.73	284	288877	46.19	nq	98
68) Atrazine	10.84	200	238891	44.36	nq	95
69) Pentachlorophenol	10.94	266	265616	113.04	nq	98
70) Phenanthrene	11.14	178	1275453	44.83	nq	99
71) Anthracene	11.19	178	1233138	42.85	nq	100
72) Carbazole	11.35	167	1120673	42.63	nq	98
73) Di-n-butylphthalate	11.69	149	1530035	50.67	nq	99
74) Fluoranthene	12.32	202	1351984	47.43	nq	95
76) Benzidine	12.46	184	44750	4.19	nq	97
77) Pyrene	12.55	202	1386659	52.42	nq	100
79) Butylbenzylphthalate	13.18	149	654384	58.60	nq	90
80) Benzo(a)anthracene	13.73	228	1073644	50.71	nq	100
81) 3,3'-Dichlorobenzidine	13.70	252	154679	11.48	nq #	96
82) Chrysene	13.77	228	1143160	55.81	nq	99
83) Bis(2-ethylhexyl)phthalate	13.74	149	794095	58.43	nq	98
84) Di-n-octyl phthalate	14.34	149	1350123	57.67	nq #	83
85) Indeno(1,2,3-cd)pyrene	16.34	276	898512	49.97	nq	95
87) Benzo(b)fluoranthene	14.73	252	1050639m	41.03	nq	
88) Benzo(k)fluoranthene	14.75	252	945877m	49.62	nq	
89) Benzo(a)pyrene	15.05	252	969680	45.30	nq #	96
90) Dibenzo(a,h)anthracene	16.35	278	757308	42.02	nq #	92
91) Benzo(g,h,i)perylene	16.71	276	734703	40.36	nq	93

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



#1

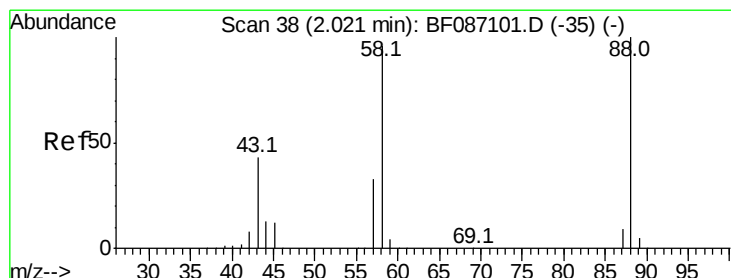
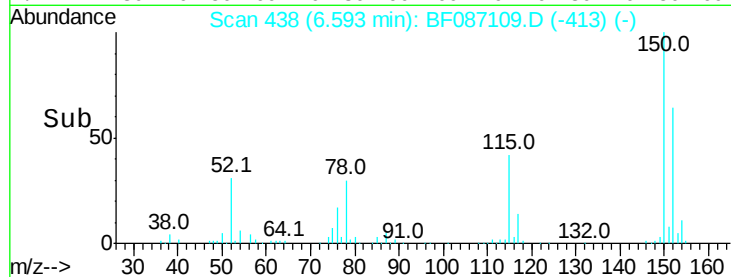
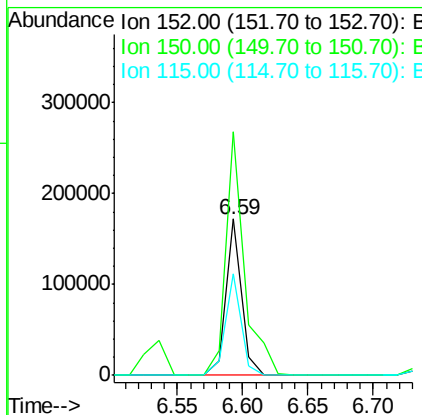
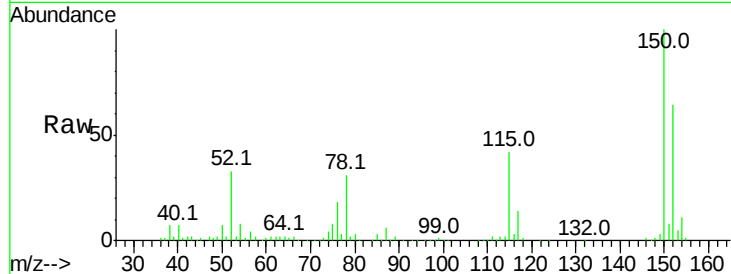
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Concen: 20.00 ng
RT: 6.59 min Scan# 438
Delta R.T. -0.01 min
Lab File: BF087109.D
Acq: 17 May 2016 18:34

Instrument :
BNA_F
ClientSampleId :
HSR-WC-44-051216MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	125.8	188.6
115	65.0	51.5	77.3

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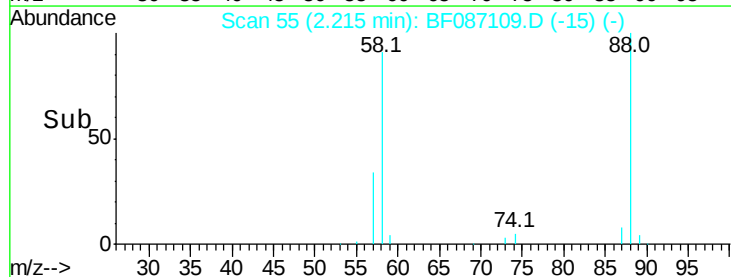
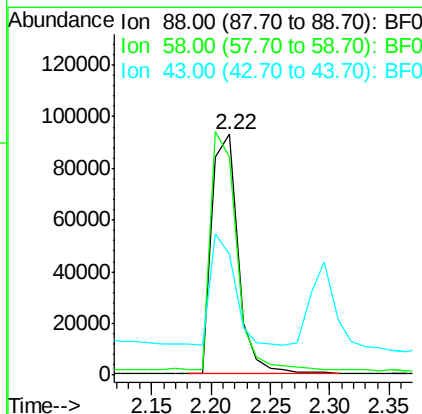
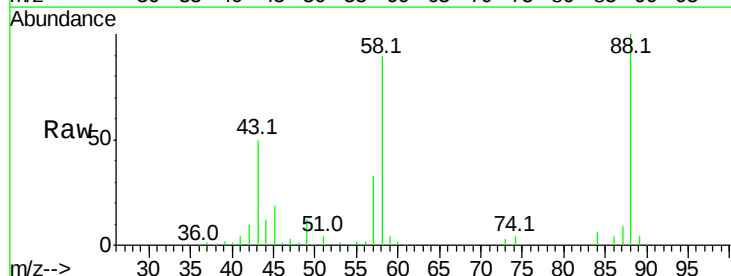
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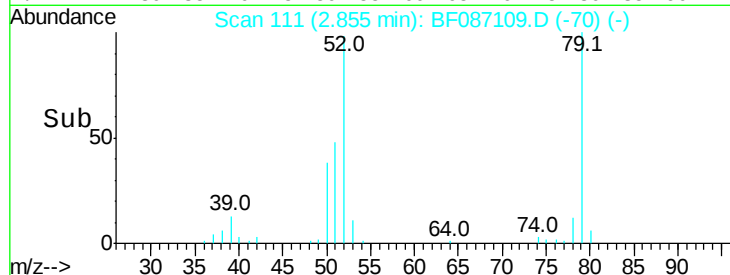
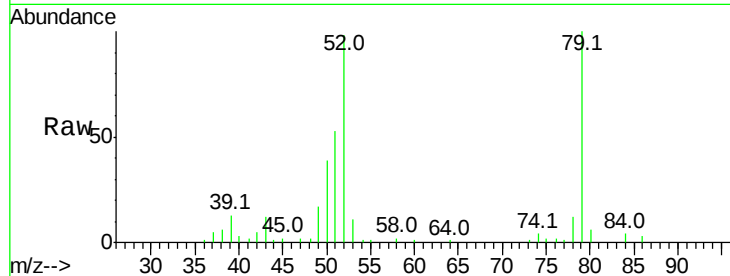
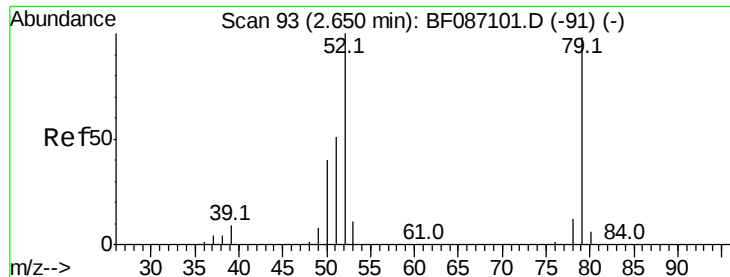


#2

1,4-Dioxane
Concen: 32.02 ng
RT: 2.22 min Scan# 55
Delta R.T. 0.16 min
Lab File: BF087109.D
Acq: 17 May 2016 18:34

Tgt Ion	Ratio	Lower	Upper
88	100		
58	97.9	59.6	89.4#
43	0.0	21.8	32.6#





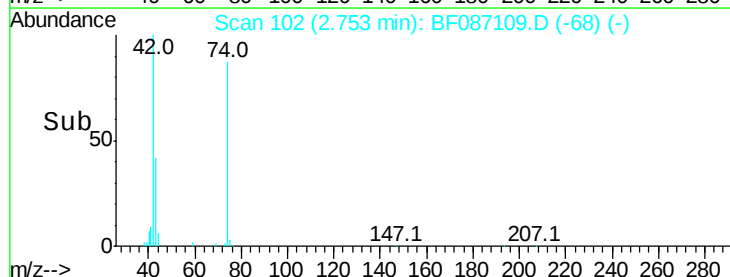
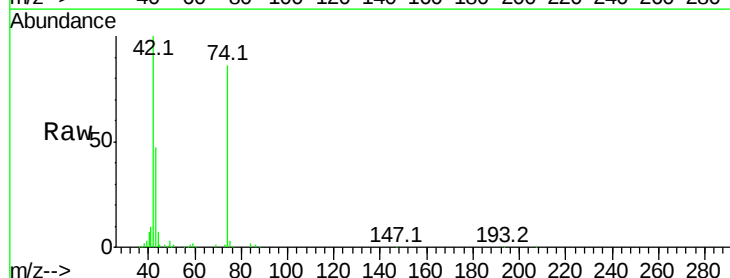
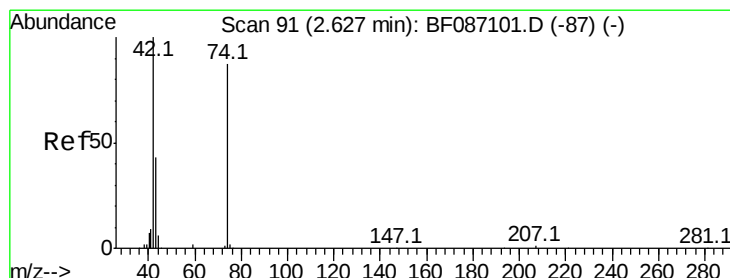
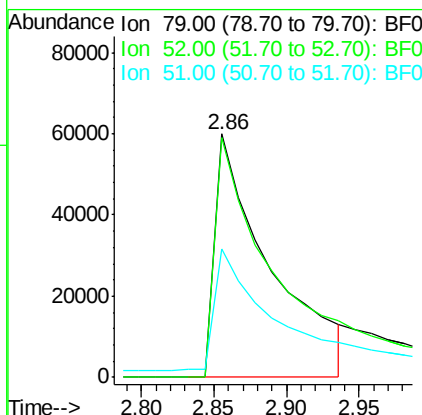
#3
Pvridine
Concen: 14.85 ng
RT: 2.86 min Scan# 111
Delta R.T. 0.17 min
Lab File: BF087109.D
Acq: 17 May 2016 18:34

Tot Ion	Ratio	Lower	Upper
79	100		
52	98.3	55.9	83.9#
51	53.0	28.1	42.1#

Instrument :
BNA_F
ClientSampleId :
HSR-WC-44-051216MS

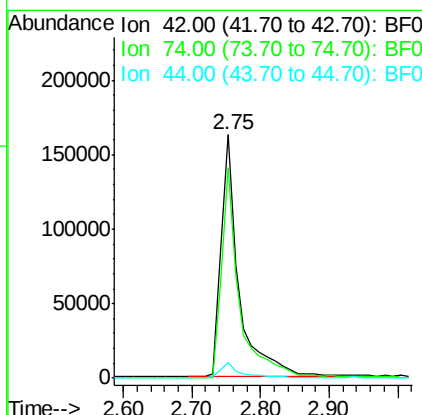
Manual Integrations
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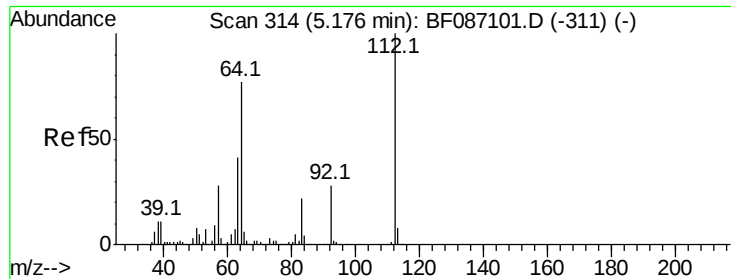
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#4
n-Nitrosodimethylamine
Concen: 39.73 ng
RT: 2.75 min Scan# 102
Delta R.T. 0.09 min
Lab File: BF087109.D
Acq: 17 May 2016 18:34

Tgt Ion	Ratio	Lower	Upper
42	100		
74	86.3	123.4	185.0#
44	6.7	5.8	8.6





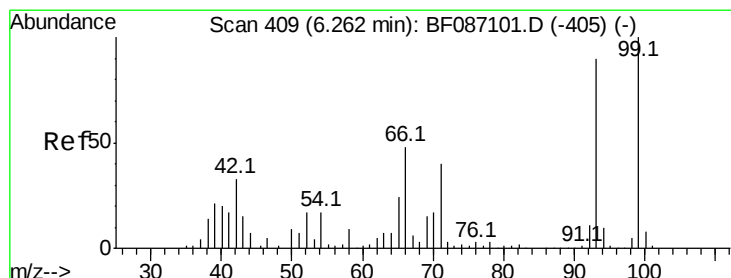
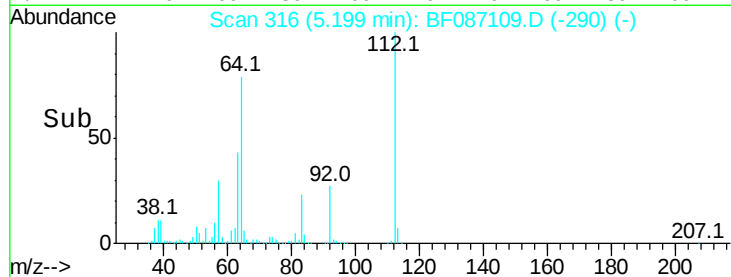
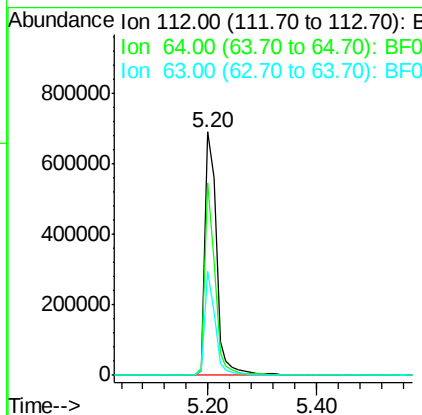
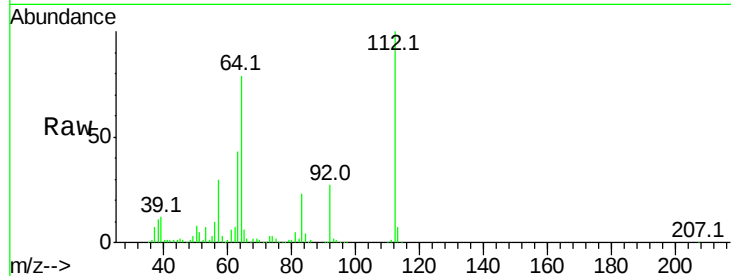
#5
2-Fluorophenol
Concen: 119.80 ng
RT: 5.20 min Scan# 316
Delta R.T. 0.00 min
Lab File: BF087109.D
Acq: 17 May 2016 18:34

Instrument :
BNA_F
ClientSampleId :
HSR-WC-44-051216MS

Tot Ion:112 Resp: 1026248
Ion Ratio Lower Upper
112 100
64 79.2 52.1 78.1#
63 42.9 25.7 38.5#

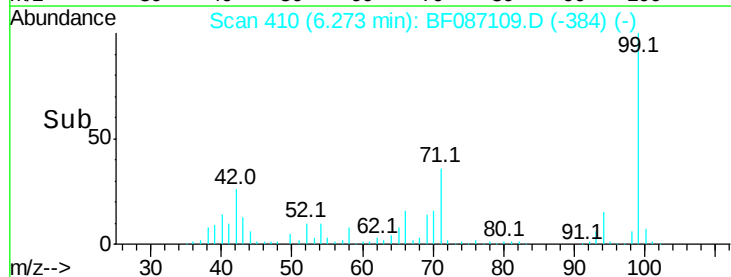
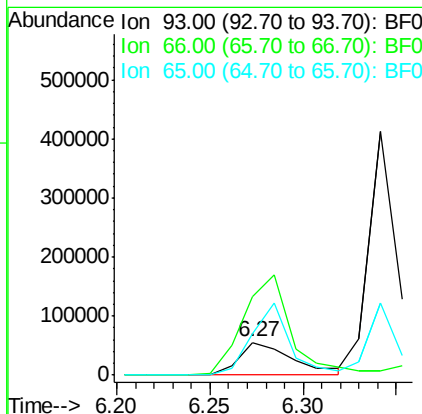
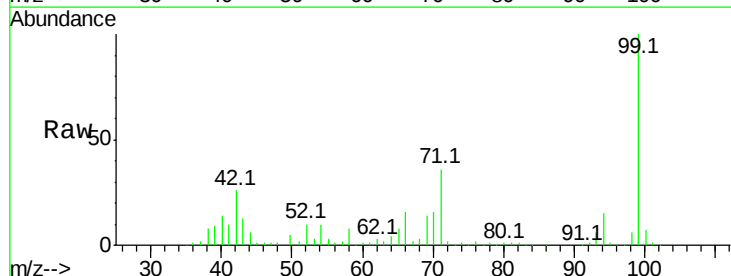
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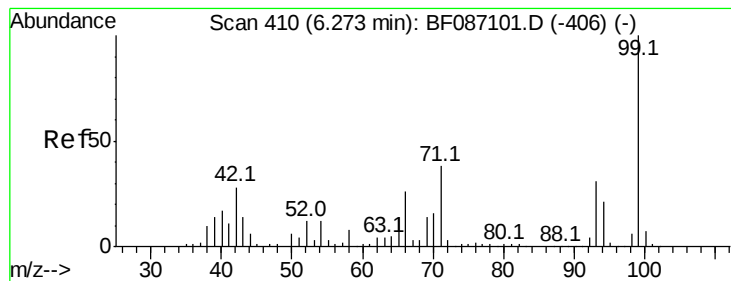
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#6
Aniline
Concen: 7.60 ng
RT: 6.27 min Scan# 410
Delta R.T. -0.00 min
Lab File: BF087109.D
Acq: 17 May 2016 18:34

Tgt Ion: 93 Resp: 110874
Ion Ratio Lower Upper
93 100
66 241.2 39.0 58.6#
65 126.7 20.6 31.0#





#7

Phenol-d6

Concen: 115.27 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216MS

Tot Ion: 99 Resp: 1324346

Ion Ratio Lower Upper

99 100

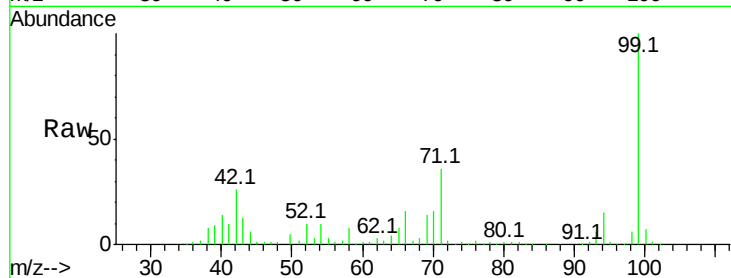
42 26.0 13.6 20.4#

71 36.3 24.6 36.8

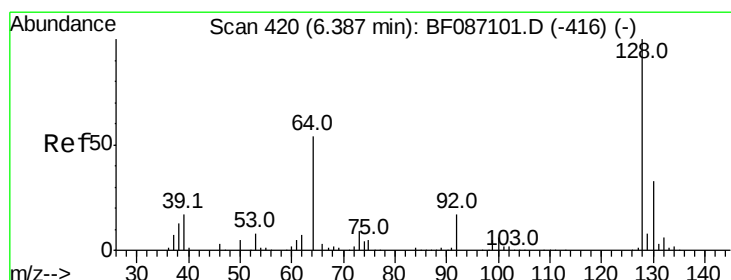
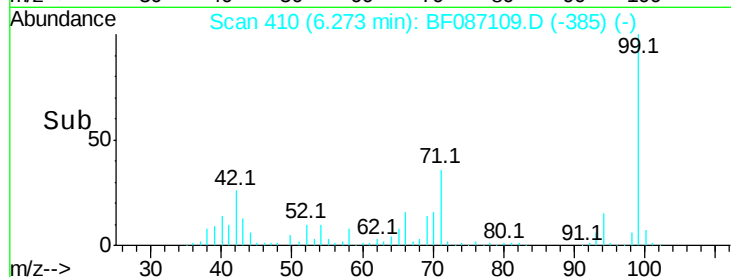
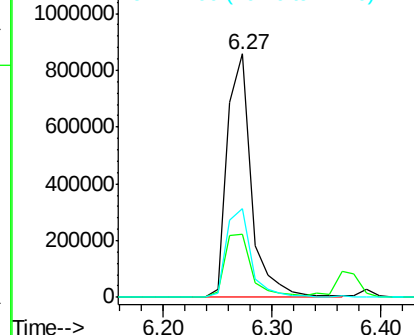
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 39.48 ng

RT: 6.39 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

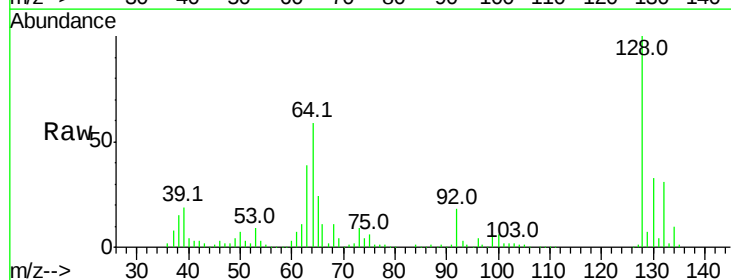
Tgt Ion:128 Resp: 411486

Ion Ratio Lower Upper

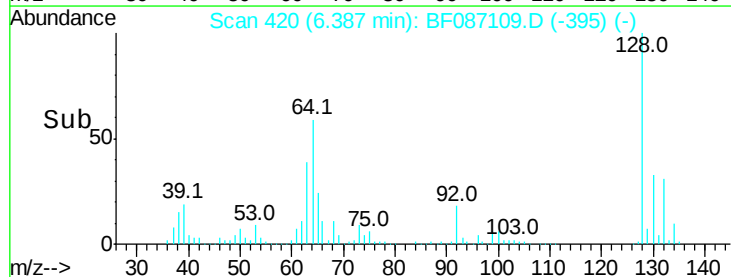
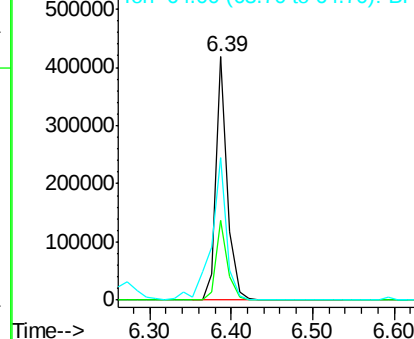
128 100

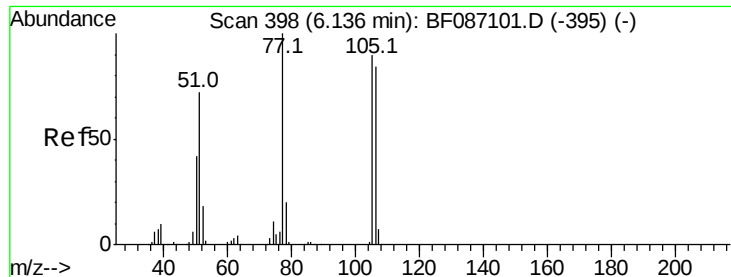
130 32.6 12.5 52.5

64 58.6 27.3 67.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 2.75 ng

RT: 6.15 min Scan# 399

Delta R.T. 0.00 min

Lab File: BF087109.D

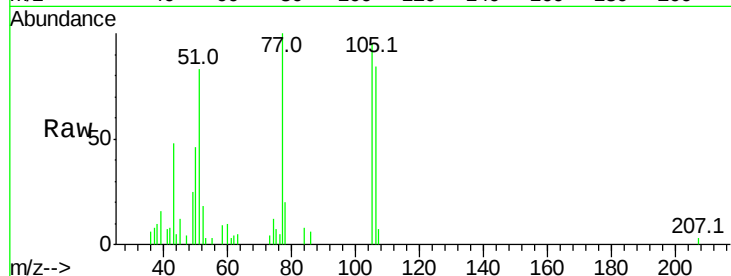
Acq: 17 May 2016 18:34

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216MS



Tot Ion: 77 Resp: 23388

Ion Ratio Lower Upper

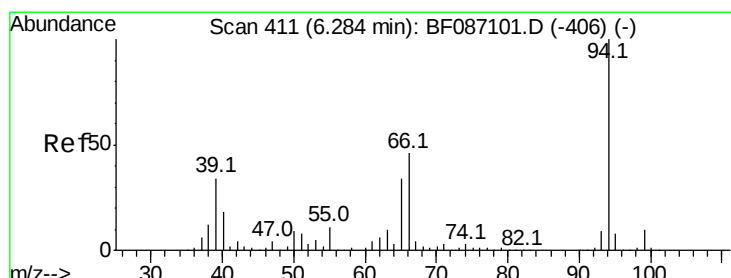
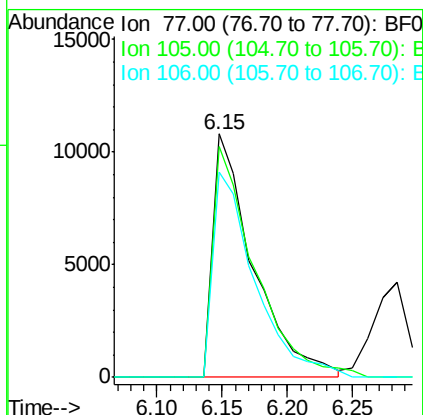
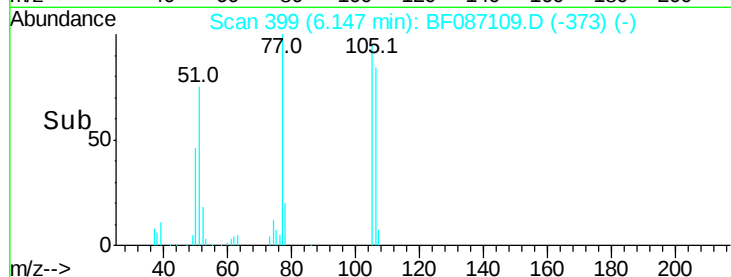
77 100

105 94.7 72.7 112.7

106 84.5 70.8 110.8

Manual Integrations
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#10

Phenol

Concen: 33.17 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

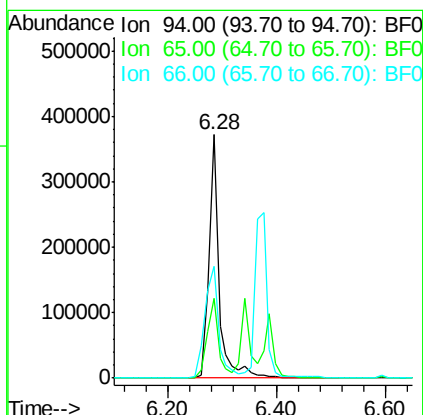
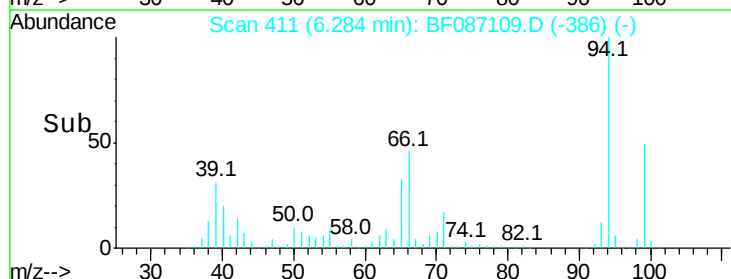
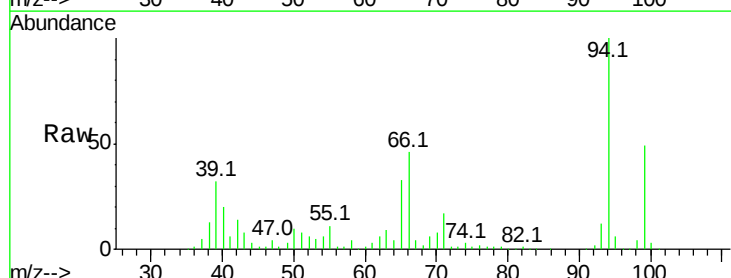
Tgt Ion: 94 Resp: 479087

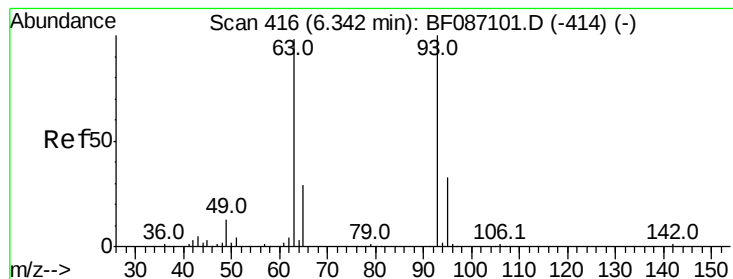
Ion Ratio Lower Upper

94 100

65 32.6 7.2 47.2

66 45.7 14.9 54.9





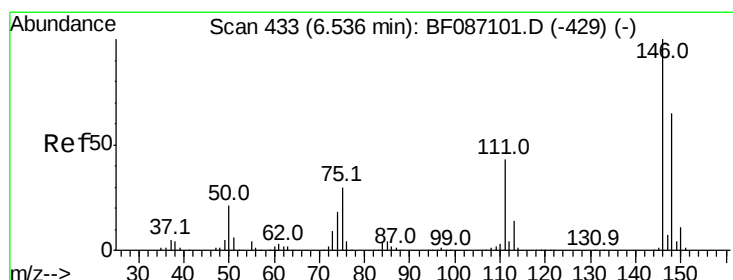
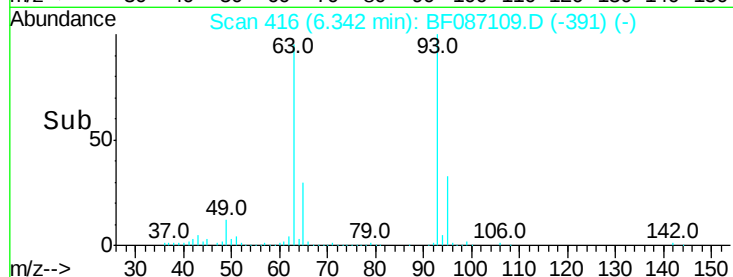
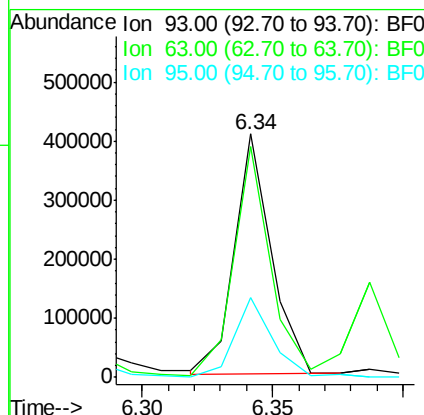
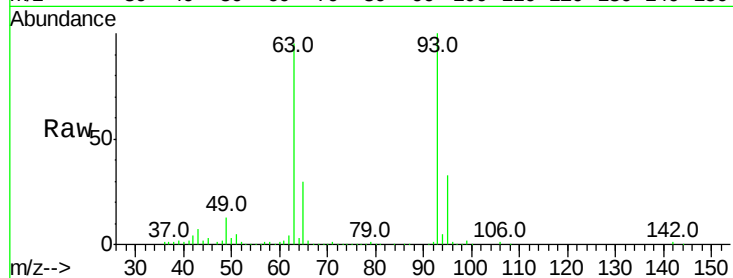
#11
bis(2-Chloroethyl)ether
Concen: 37.35 ng
RT: 6.34 min Scan# 416
Delta R.T. -0.01 min
Lab File: BF087109.D
Acq: 17 May 2016 18:34

Instrument :
BNA_F
ClientSampleId :
HSR-WC-44-051216MS

Tot Ion	Ratio	Resp Lower	Upper
93	100		
63	94.7	58.0	98.0
95	32.6	11.9	51.9

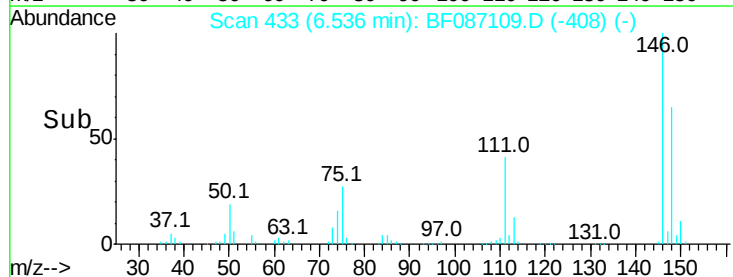
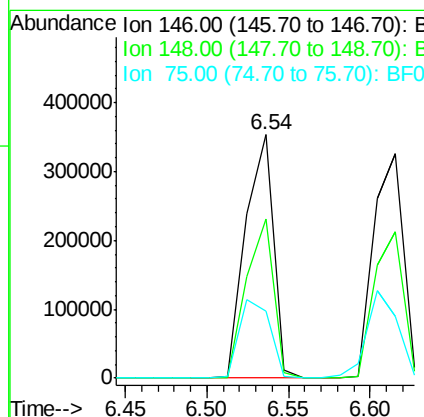
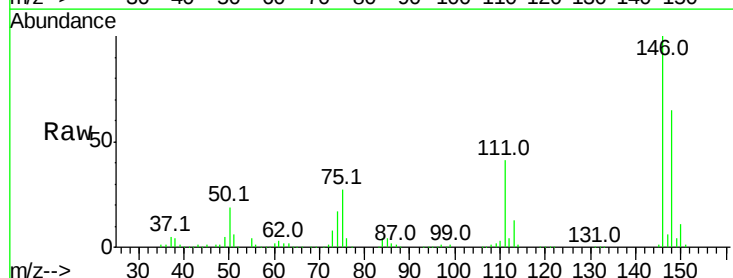
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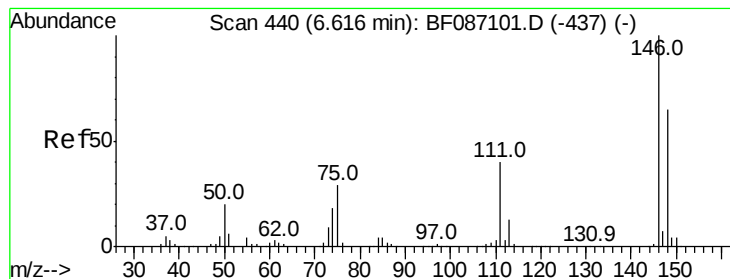
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#12
1,3-Dichlorobenzene
Concen: 37.65 ng
RT: 6.54 min Scan# 433
Delta R.T. -0.01 min
Lab File: BF087109.D
Acq: 17 May 2016 18:34

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
148	65.2	52.4	78.6
75	27.4	22.8	34.2





#13

1,4-Dichlorobenzene

Concen: 37.20 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.01 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Instrument :

BNA_F

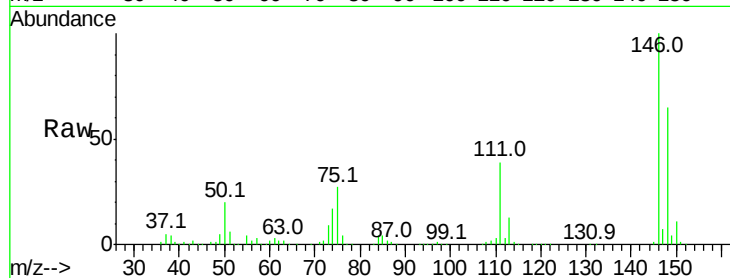
ClientSampleId :

HSR-WC-44-051216MS

Tot Ion:	146	Resp:	421747
Ion Ratio	Lower	Upper	
146	100		
148	64.8	52.2	78.4
111	39.5	30.7	46.1

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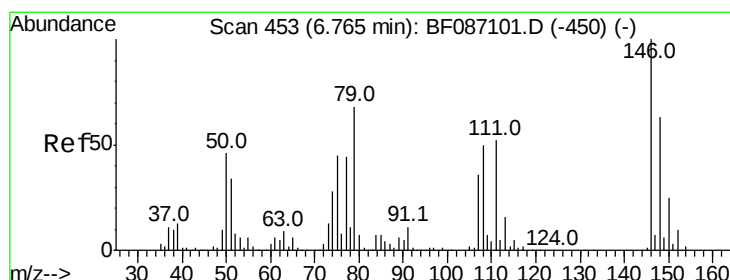
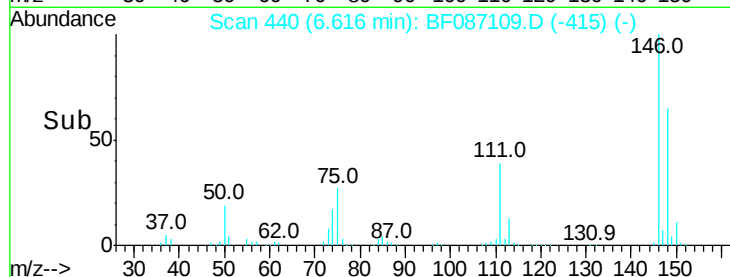
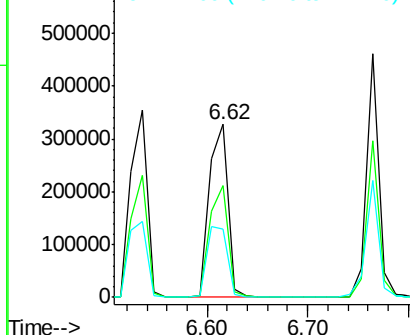


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 39.57 ng

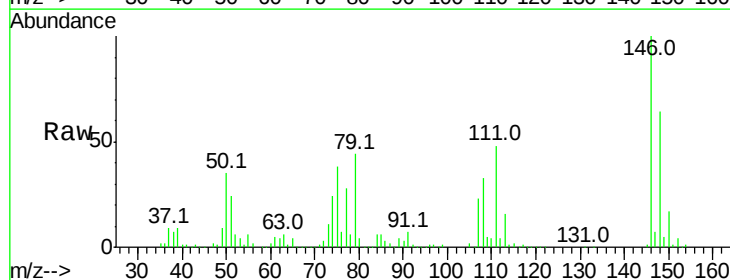
RT: 6.76 min Scan# 453

Delta R.T. -0.01 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Tgt Ion:	146	Resp:	392743
Ion Ratio	Lower	Upper	
146	100		
148	64.1	51.0	76.6
111	48.1	36.2	54.4

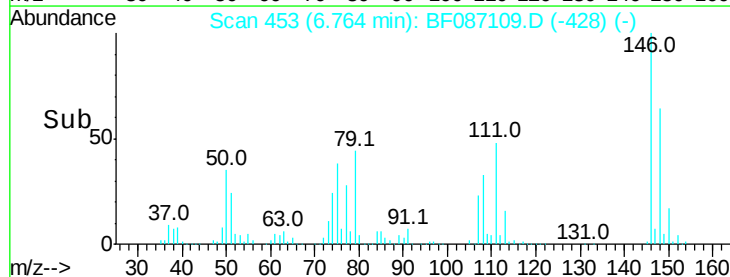
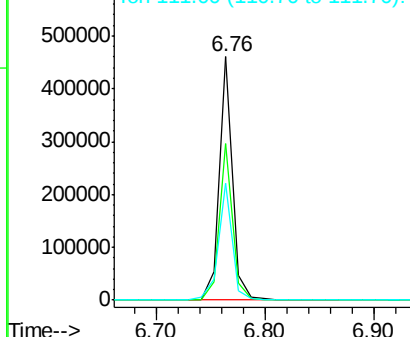


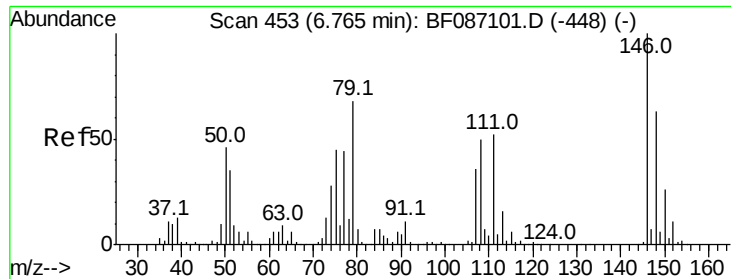
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





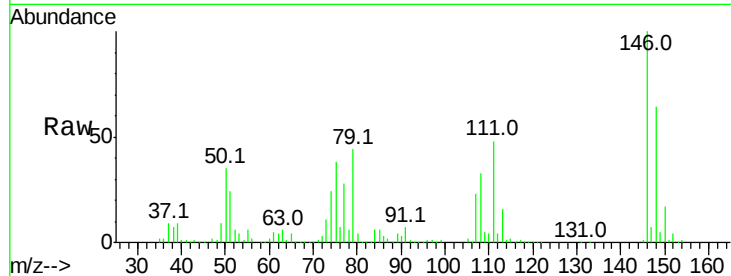
#15
Benzyl Alcohol
Concen: 46.42 ng
RT: 6.76 min Scan# 453
Delta R.T. -0.01 min
Lab File: BF087109.D
Acq: 17 May 2016 18:34

Instrument :
BNA_F
ClientSampleId :
HSR-WC-44-051216MS

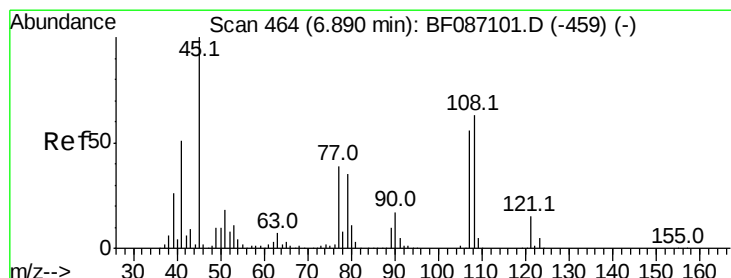
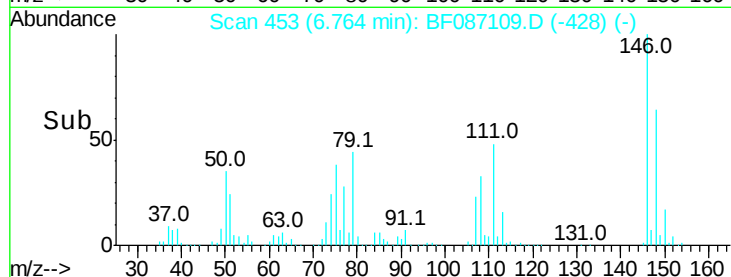
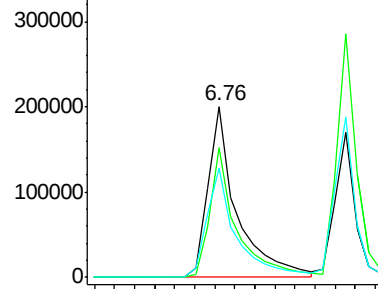
Tot Ion	Ratio	Resp	Lower	Upper
79	100			
108	75.6	68.4	102.6	
77	63.9	50.6	76.0	

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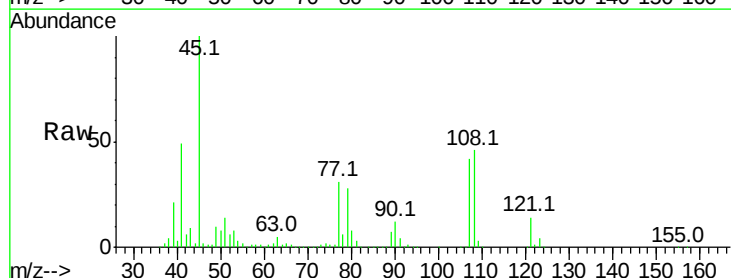


Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0

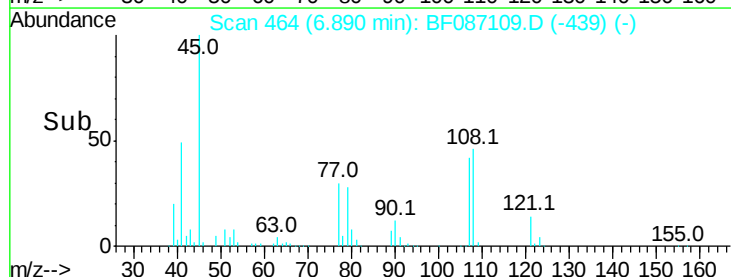
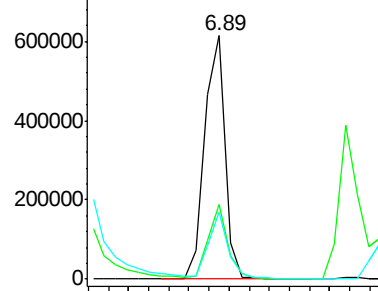


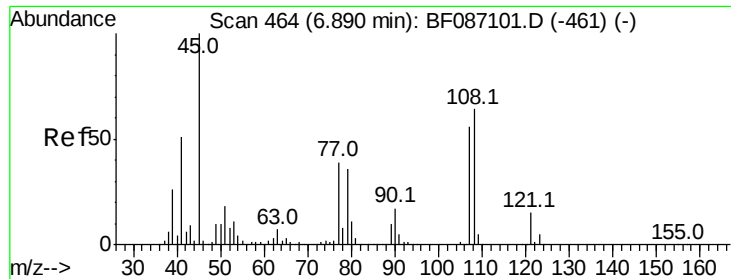
#16
2,2'-oxybis(1-chloropropane)
Concen: 38.46 ng
RT: 6.89 min Scan# 464
Delta R.T. -0.01 min
Lab File: BF087109.D
Acq: 17 May 2016 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
45	100			
77	30.7	0.0	36.4	
79	27.6	0.0	33.4	



Abundance Ion 45.00 (44.70 to 45.70): BF0
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 39.84 ng

RT: 6.89 min Scan# 464

Delta R.T. -0.01 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Instrument :

BNA_F

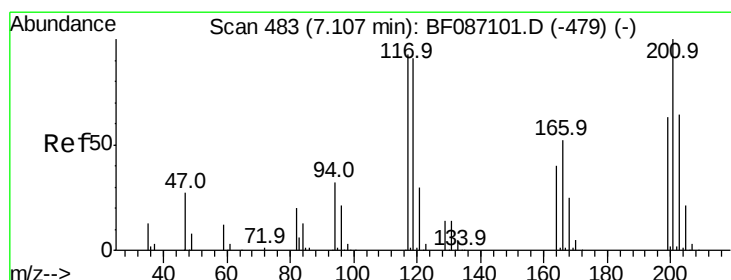
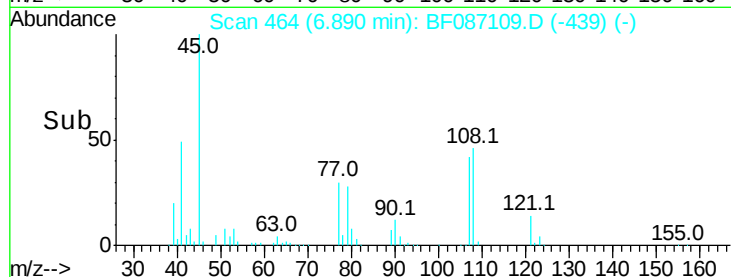
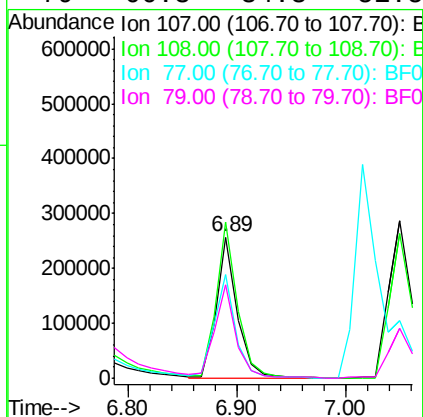
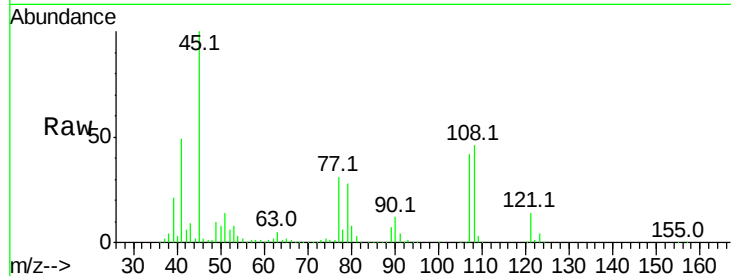
ClientSampleId :

HSR-WC-44-051216MS

Tot Ion:	107	Resp:	340995
Ion Ratio	Lower	Upper	
107	100		
108	111.3	93.7	140.5
77	73.5	33.4	50.0#
79	66.3	34.3	51.5#

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#18

Hexachloroethane

Concen: 37.74 ng

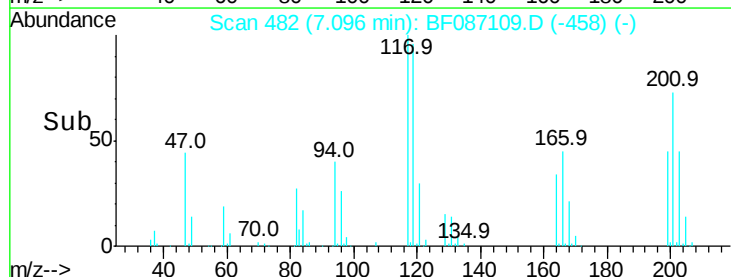
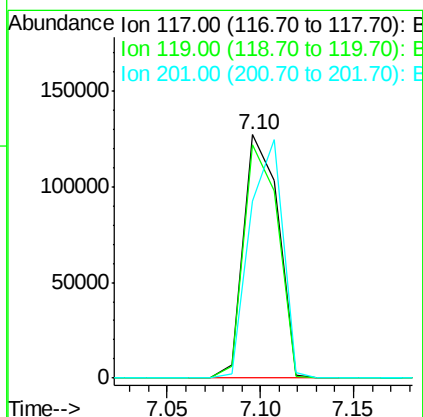
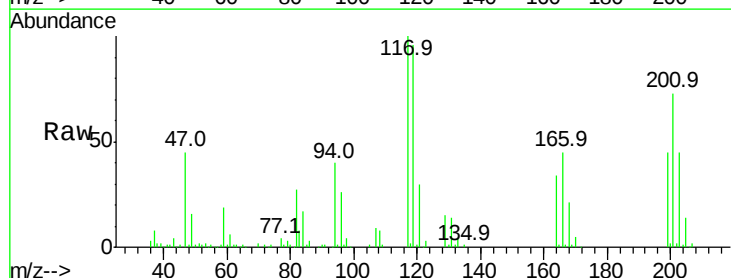
RT: 7.10 min Scan# 482

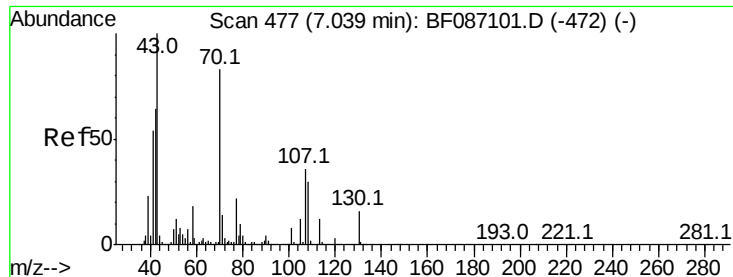
Delta R.T. -0.02 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Tgt Ion:	117	Resp:	163541
Ion Ratio	Lower	Upper	
117	100		
119	95.9	76.5	114.7
201	72.5	63.0	94.6





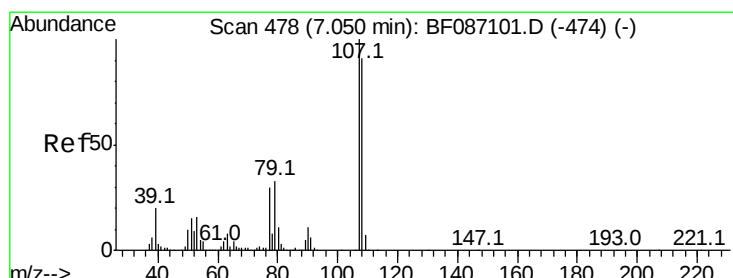
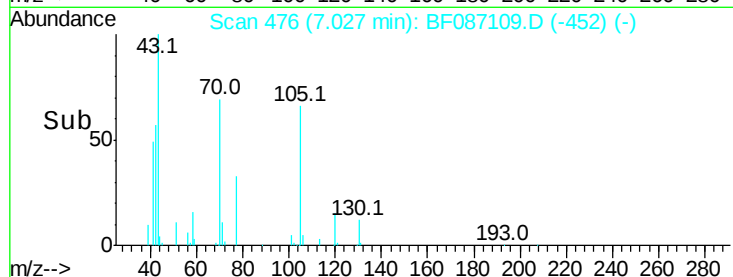
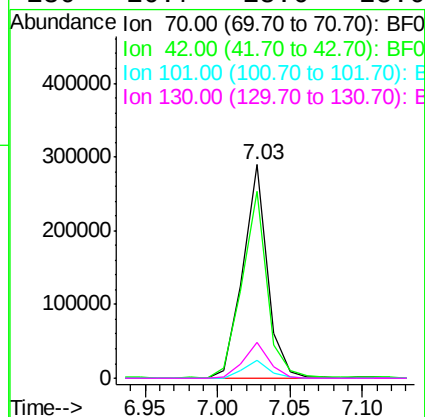
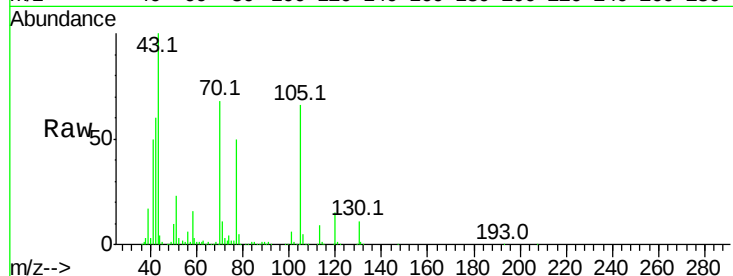
#19
n-Nitroso-di-n-propylamine
Concen: 39.06 ng
RT: 7.03 min Scan# 476
Delta R.T. -0.02 min
Lab File: BF087109.D
Acq: 17 May 2016 18:34

Instrument :
BNA_F
ClientSampleId :
HSR-WC-44-051216MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	87.5	43.1	64.7#		
101	8.5	8.1	12.1		
130	16.7	18.6	28.0#		

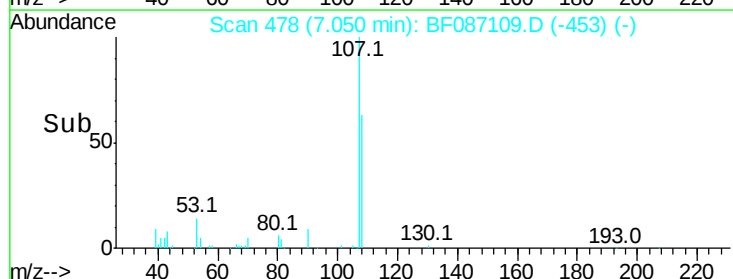
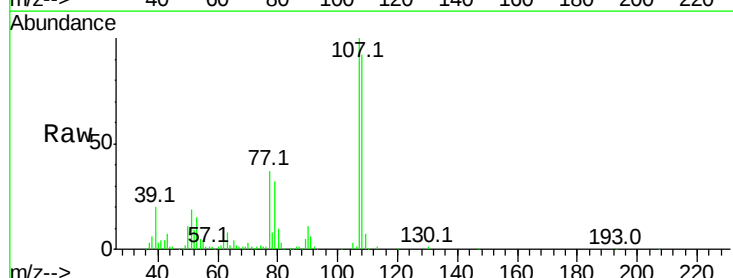
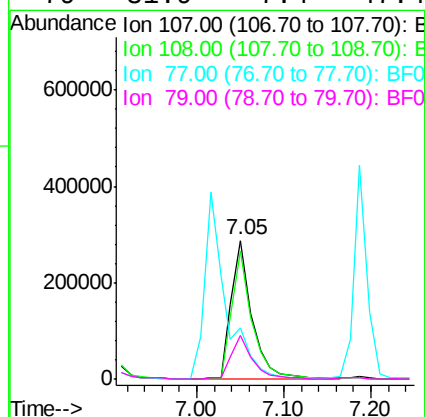
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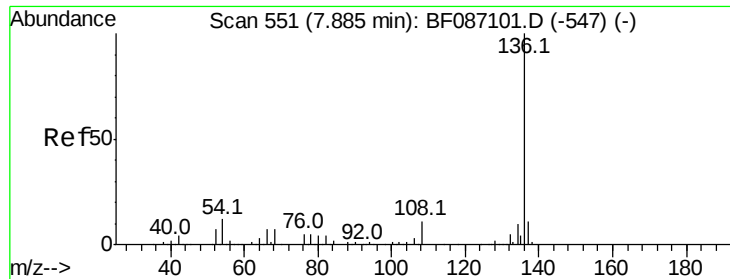
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#20
3+4-Methylphenols
Concen: 41.78 ng
RT: 7.05 min Scan# 478
Delta R.T. -0.01 min
Lab File: BF087109.D
Acq: 17 May 2016 18:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	92.1	68.5	108.5		
77	36.7	101.6	141.6#		
79	31.9	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: BF087109.D

Acq: 17 May 2016 18:34

Instrument :

BNA_F

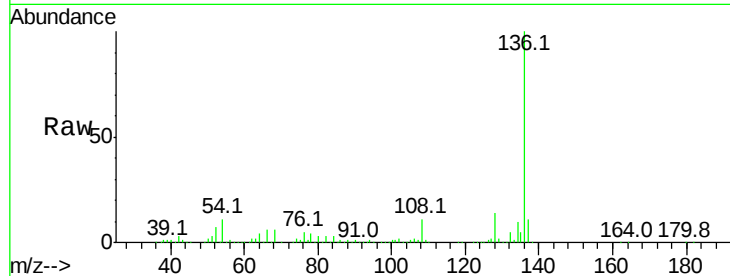
ClientSampleId :

HSR-WC-44-051216MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		587181		
137	10.8	8.8	13.2		
54	10.5	5.0	7.4		
68	5.7	4.4	6.6		

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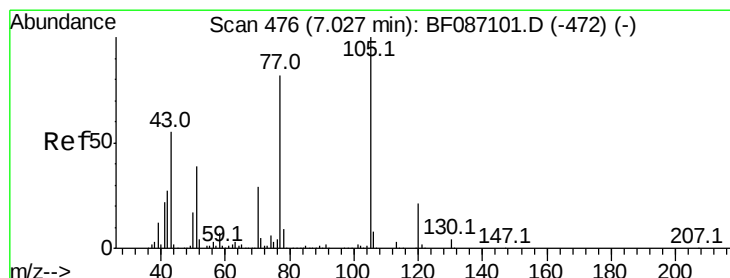
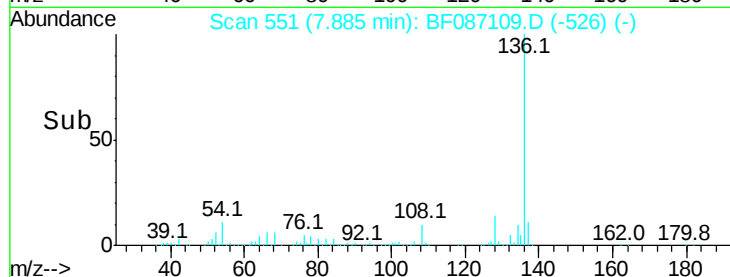
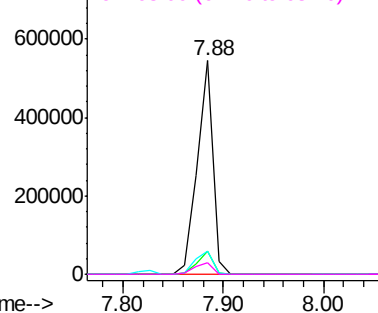
Abundance

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: 42.46 ng

RT: 7.02 min Scan# 475

Delta R.T. -0.02 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		610202		
71	4.5	4.8	7.2		
51	43.4	32.6	49.0		
120	20.0	16.5	24.7		

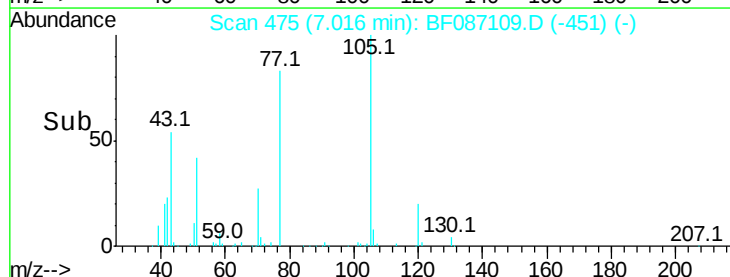
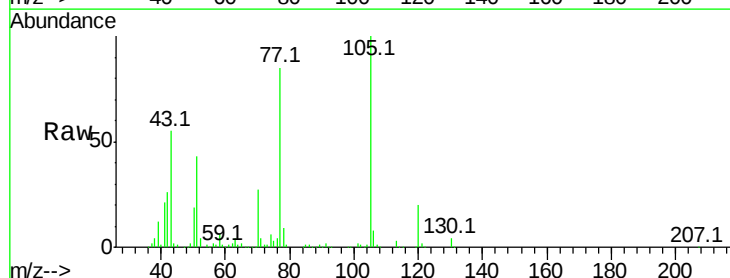
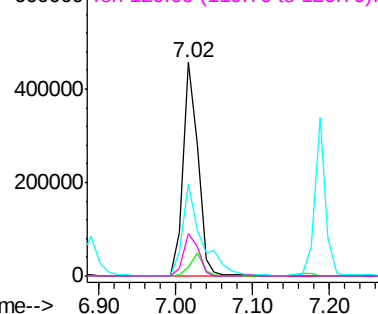
Abundance

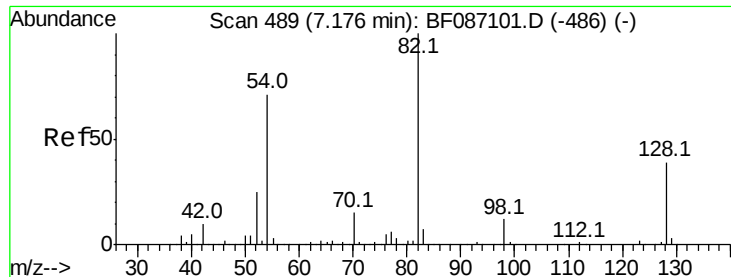
Ion 105.00 (104.70 to 105.70): E

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





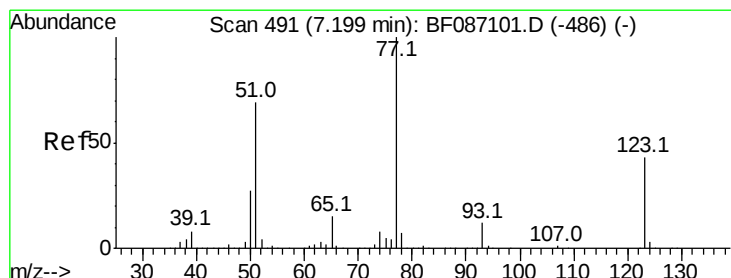
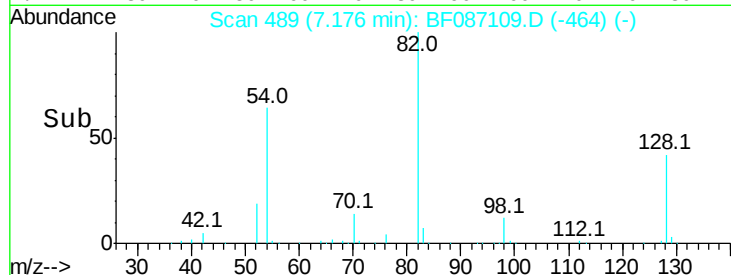
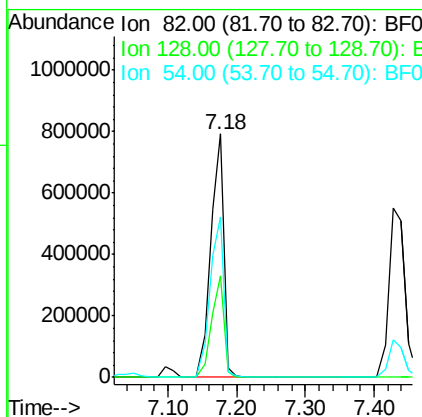
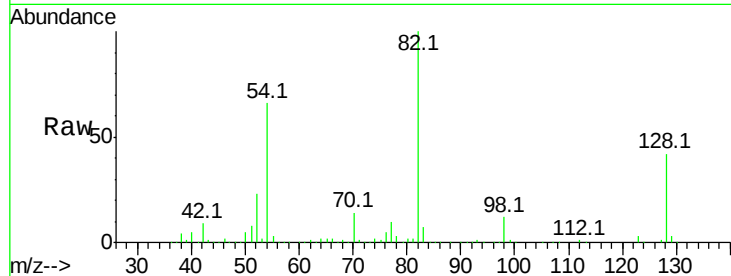
#23
 Nitrobenzene-d5
 Concen: 89.28 ng
 RT: 7.18 min Scan# 489
 Delta R.T. -0.01 min
 Lab File: BF087109.D
 Acq: 17 May 2016 18:34

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216MS

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.8	40.6	61.0
54	66.1	38.1	57.1#

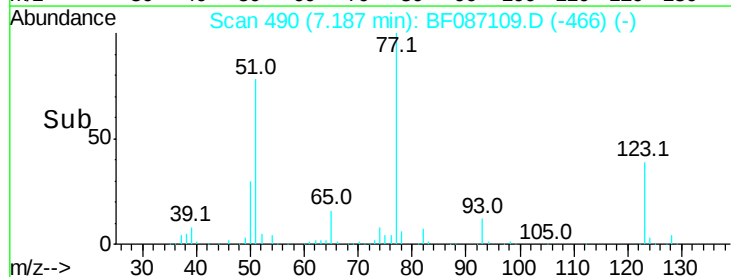
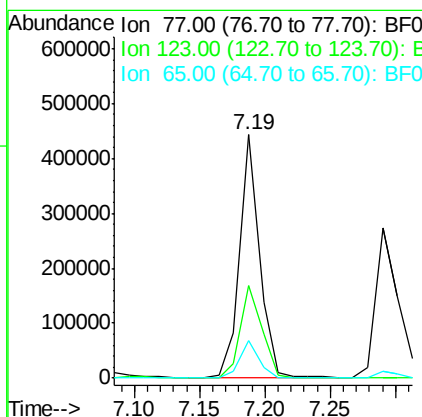
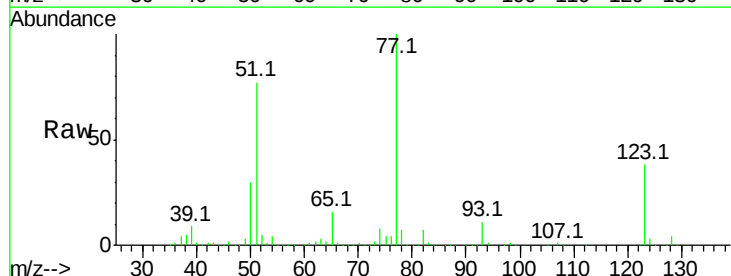
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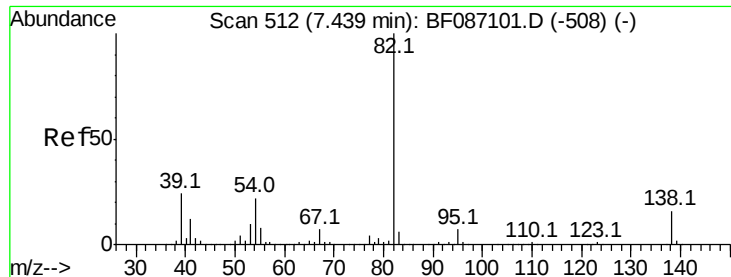
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#24
 Nitrobenzene
 Concen: 36.12 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.02 min
 Lab File: BF087109.D
 Acq: 17 May 2016 18:34

Tgt Ion	Ratio	Lower	Upper
77	100		
123	38.1	33.0	49.4
65	15.6	10.8	16.2





#25

Isophorone

Concen: 41.41 ng

RT: 7.43 min Scan# 511

Delta R.T. -0.02 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Instrument :

BNA_F

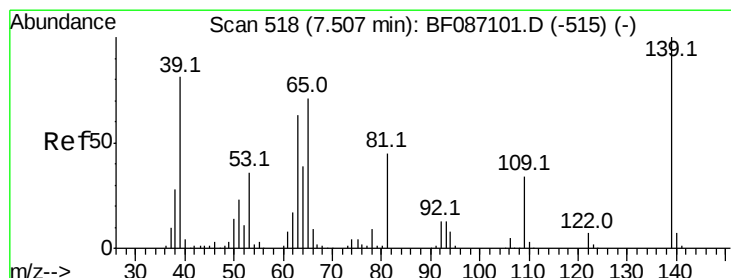
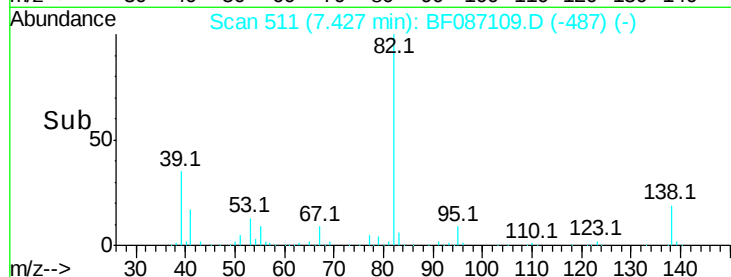
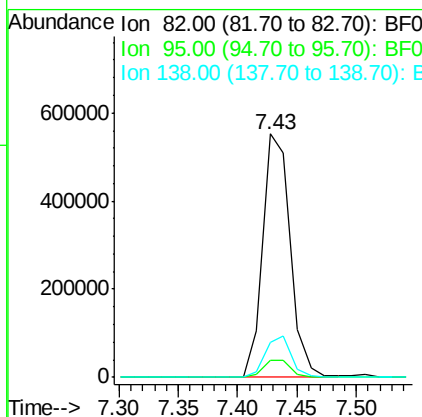
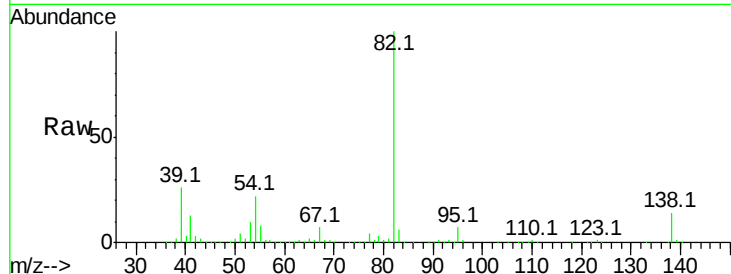
ClientSampleId :

HSR-WC-44-051216MS

Tot Ion:	82	Resp:	893086
Ion Ratio	Lower	Upper	
82	100		
95	7.1	5.1	7.7
138	14.3	12.4	18.6

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#26

2-Nitrophenol

Concen: 42.20 ng

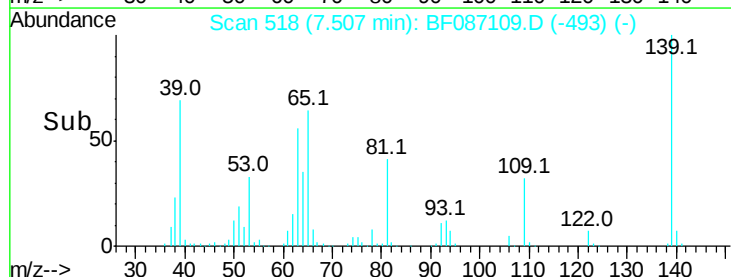
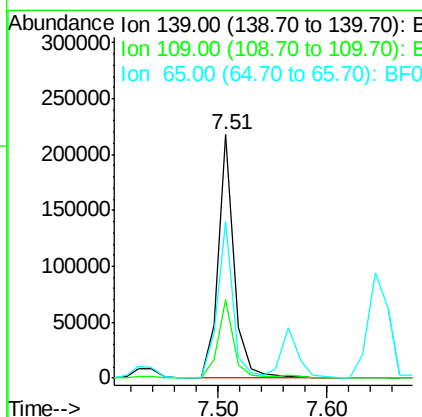
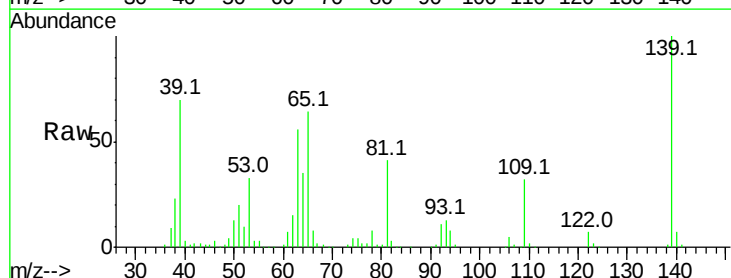
RT: 7.51 min Scan# 518

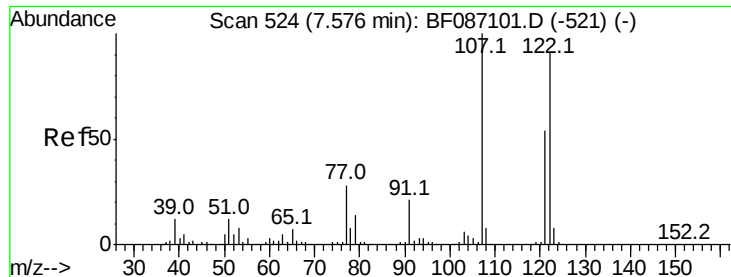
Delta R.T. -0.01 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Tgt Ion:	139	Resp:	224898
Ion Ratio	Lower	Upper	
139	100		
109	32.4	19.5	29.3#
65	64.1	37.5	56.3#





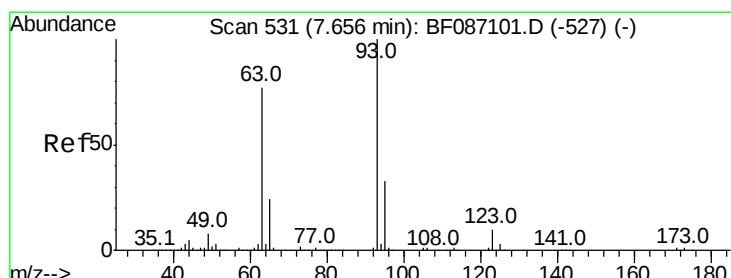
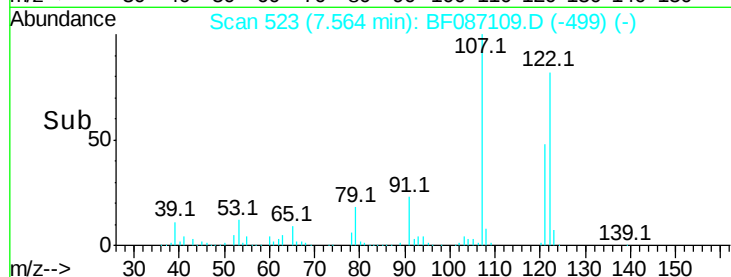
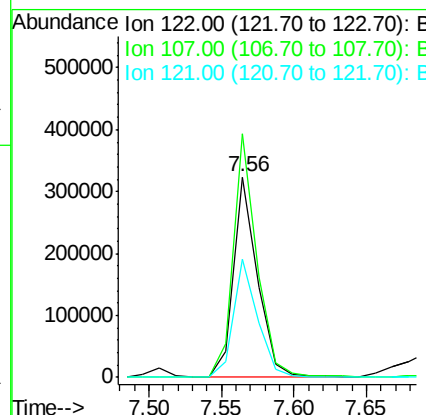
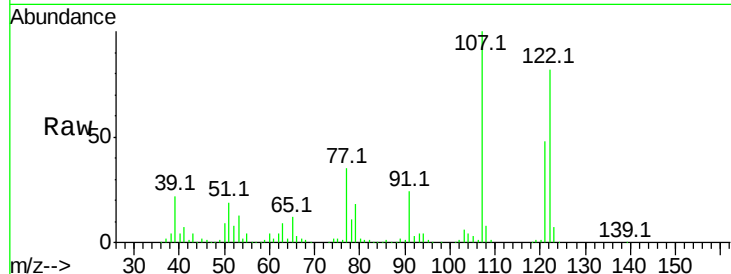
#27
 2,4-Dimethylphenol
 Concen: 40.65 ng
 RT: 7.56 min Scan# 523
 Delta R.T. -0.02 min
 Lab File: BF087109.D
 Acq: 17 May 2016 18:34

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216MS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	369685		
107	121.5	82.0	123.0	
121	58.8	46.1	69.1	

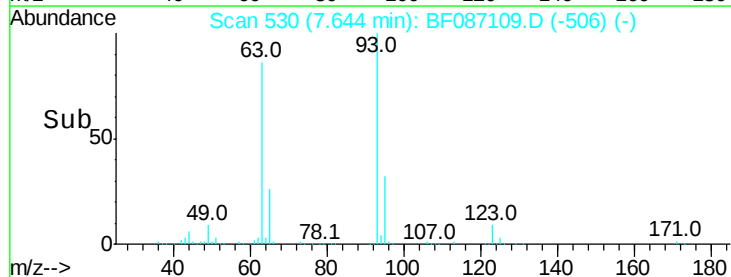
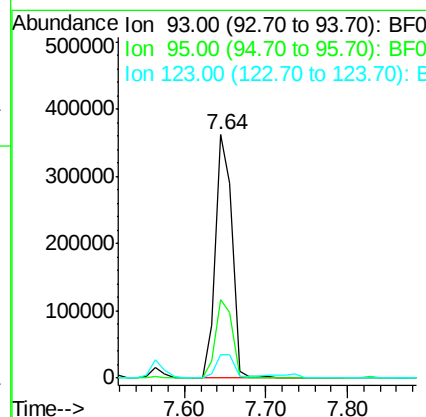
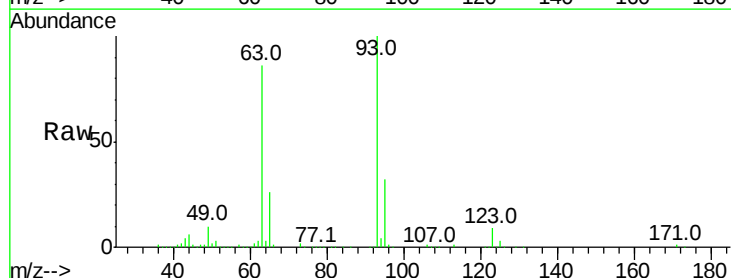
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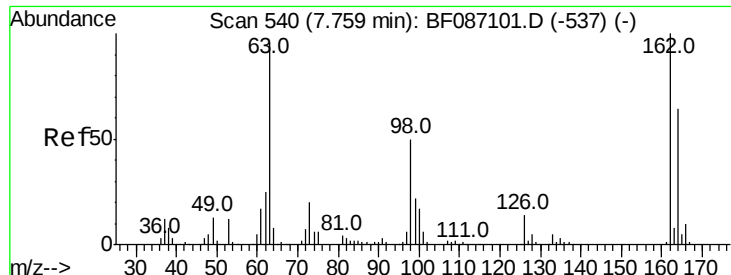
sohil
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#28
 bis(2-Chloroethoxy)methane
 Concen: 43.58 ng
 RT: 7.64 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: BF087109.D
 Acq: 17 May 2016 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	515995		
95	32.0	26.0	39.0	
123	9.4	9.5	14.3#	





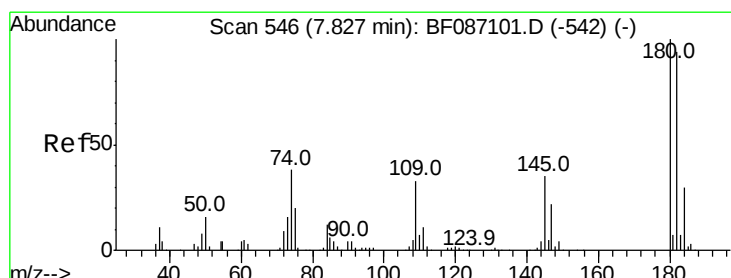
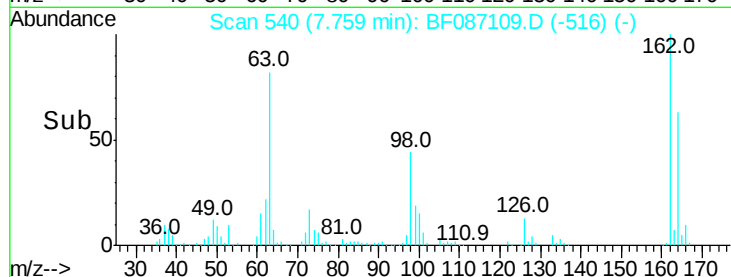
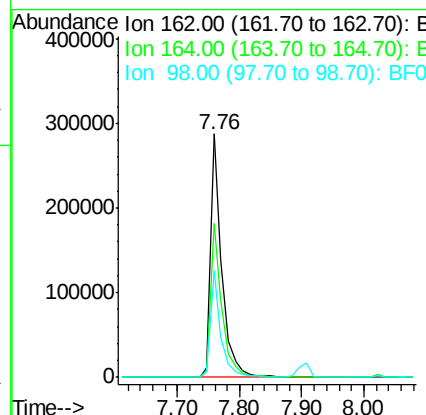
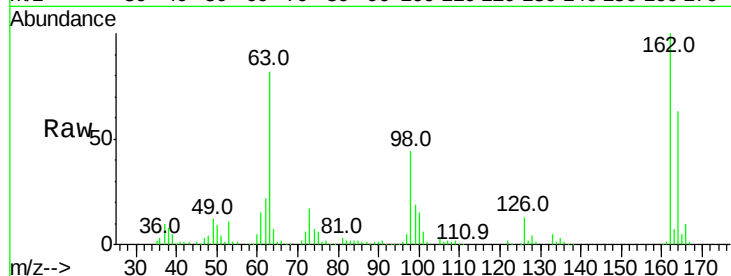
#29
 2,4-Dichlorophenol
 Concen: 44.72 ng
 RT: 7.76 min Scan# 540
 Delta R.T. -0.02 min
 Lab File: BF087109.D
 Acq: 17 May 2016 18:34

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	358398		
164	63.2	42.2	82.2	
98	44.0	19.0	59.0	

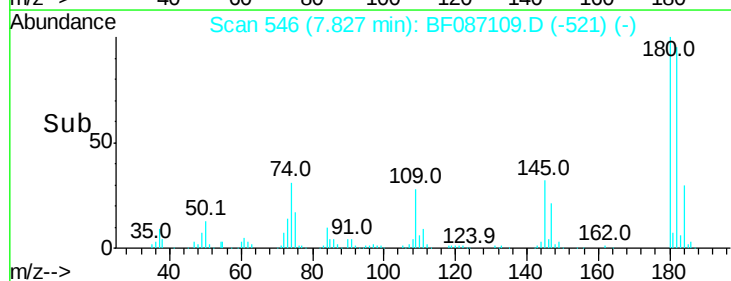
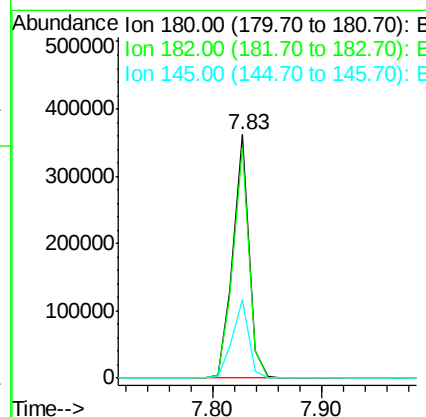
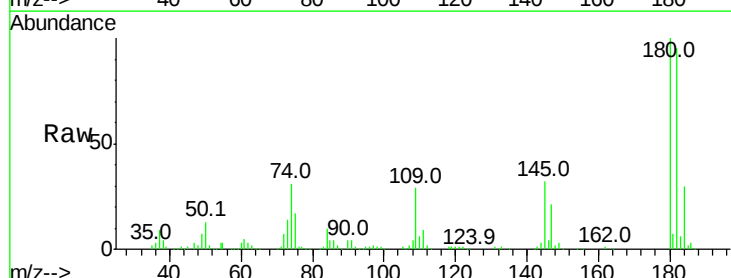
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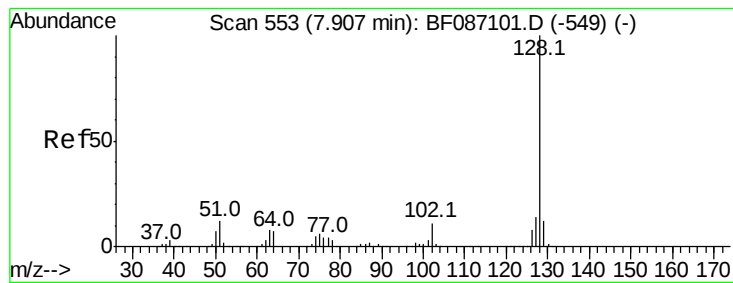
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#30
 1,2,4-Trichlorobenzene
 Concen: 41.57 ng
 RT: 7.83 min Scan# 546
 Delta R.T. -0.01 min
 Lab File: BF087109.D
 Acq: 17 May 2016 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	369691		
182	94.6	78.0	117.0	
145	32.4	24.2	36.2	





#31

Naphthalene

Concen: 43.98 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.01 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216MS

Tot Ion:128 Resp: 1261728

Ion Ratio Lower Upper

128 100

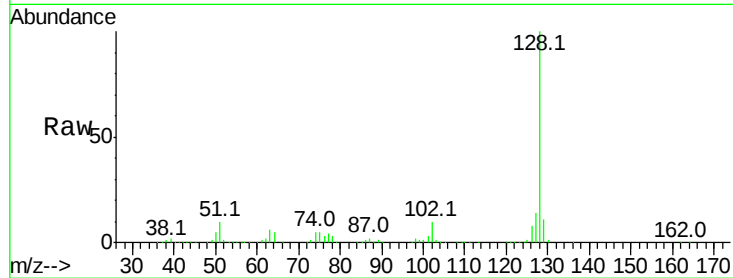
129 11.0 8.6 13.0

127 13.6 10.8 16.2

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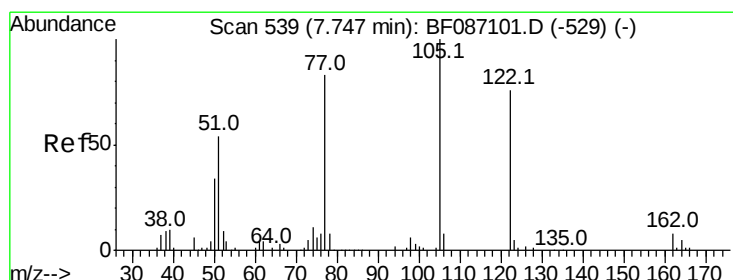
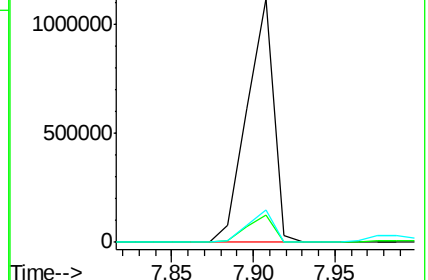
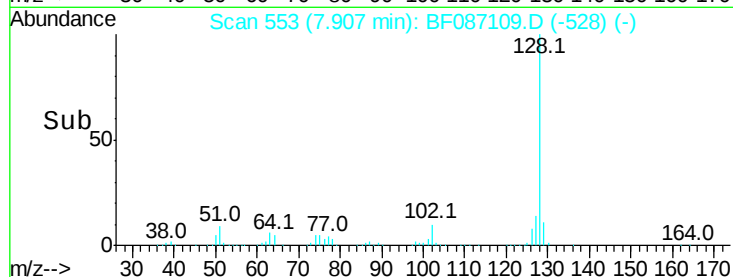
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Abundance Ion 128.00 (127.70 to 128.70): E

1500000 Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 45.44 ng

RT: 7.74 min Scan# 538

Delta R.T. -0.01 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

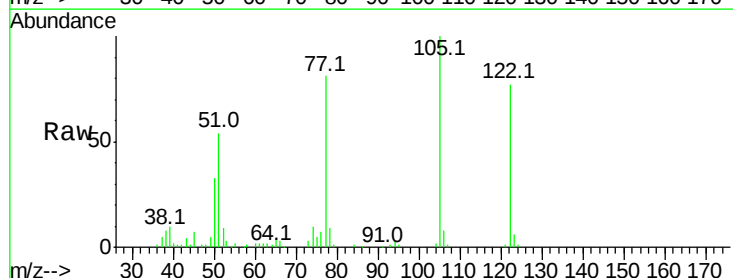
Tgt Ion:122 Resp: 246300

Ion Ratio Lower Upper

122 100

105 130.1 92.6 132.6

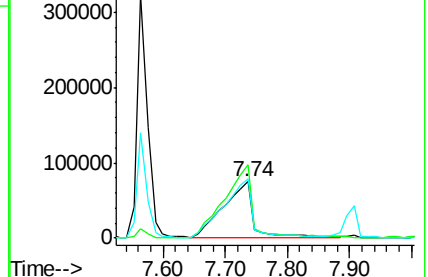
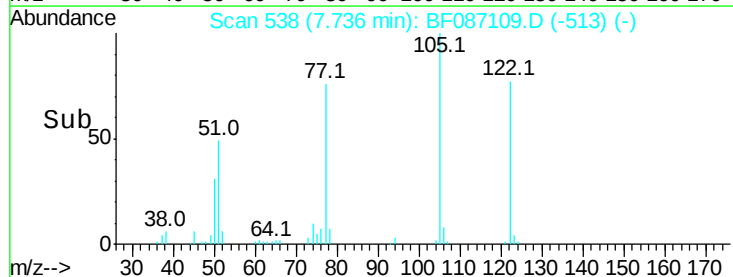
77 105.0 60.0 100.0#

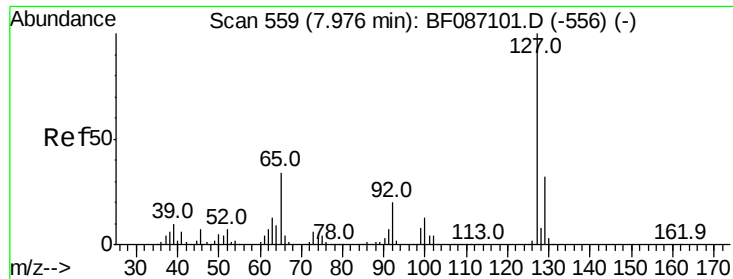


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





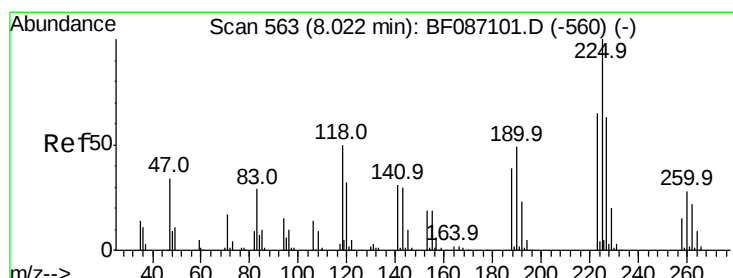
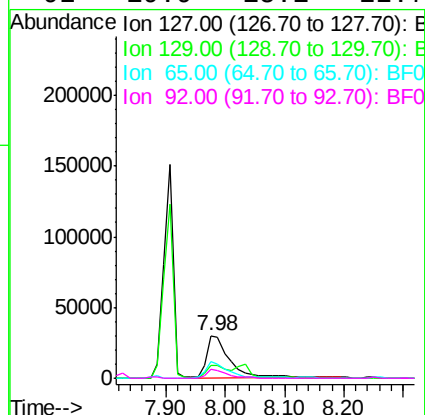
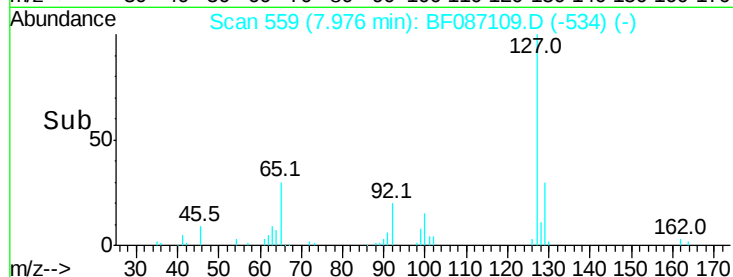
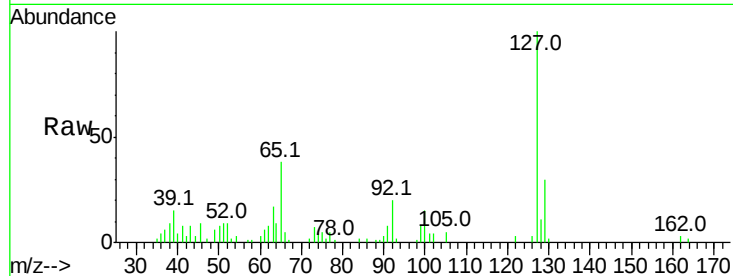
#33
4-Chloroaniline
Concen: 6.84 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF087109.D
Acq: 17 May 2016 18:34

Instrument :
BNA_F
ClientSampleId :
HSR-WC-44-051216MS

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	29.6	26.2	39.4	
65	38.1	23.0	34.4	
92	19.9	15.1	22.7	

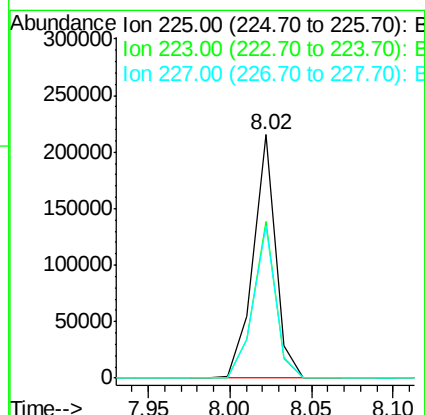
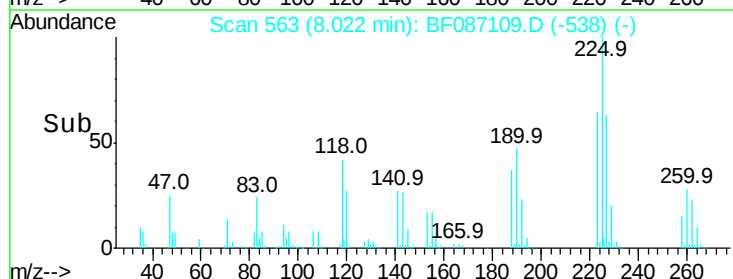
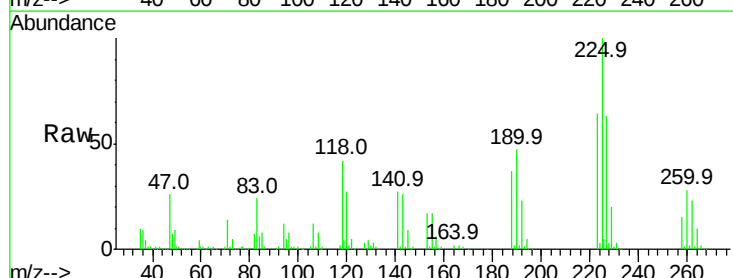
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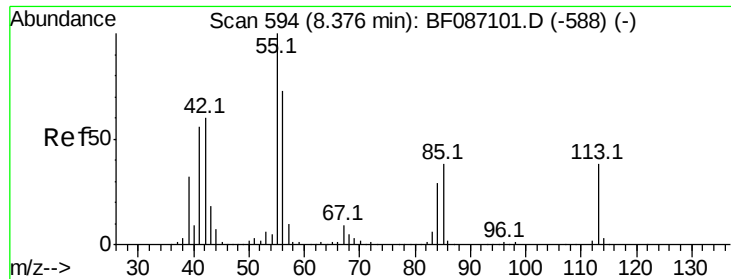
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#34
Hexachlorobutadiene
Concen: 40.83 ng
RT: 8.02 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF087109.D
Acq: 17 May 2016 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.1	51.5	77.3	
227	62.9	52.2	78.2	





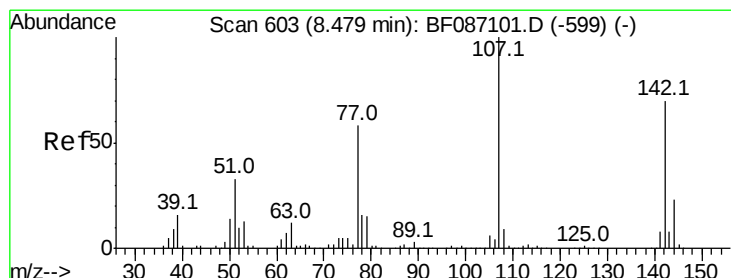
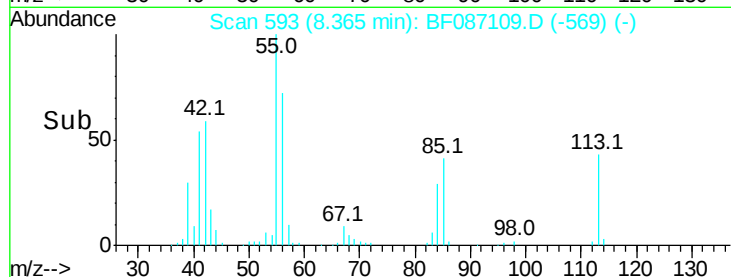
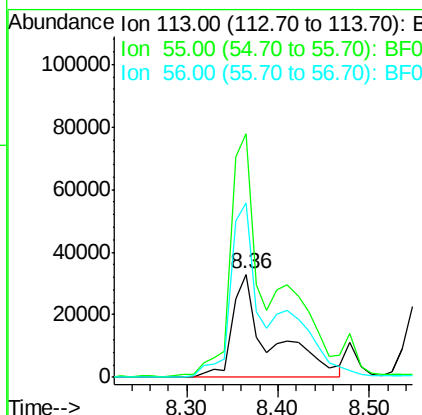
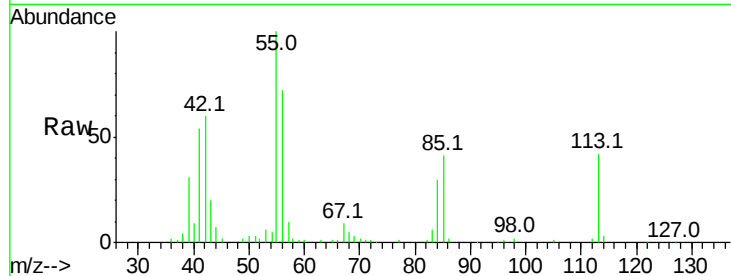
#35
 Caprolactam
 Concen: 35.72 ng/ml
 RT: 8.36 min Scan# 593
 Delta R.T. -0.02 min
 Lab File: BF087109.D
 Acq: 17 May 2016 18:34

Instrument :
 BNA_F
 ClientSampleID :
 HSR-WC-44-051216MS

Tot Ion	Ratio	Lower	Upper
113	100		
55	235.9	162.0	202.0#
56	169.0	115.3	155.3#

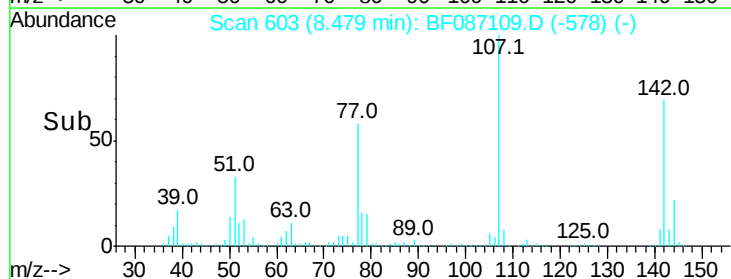
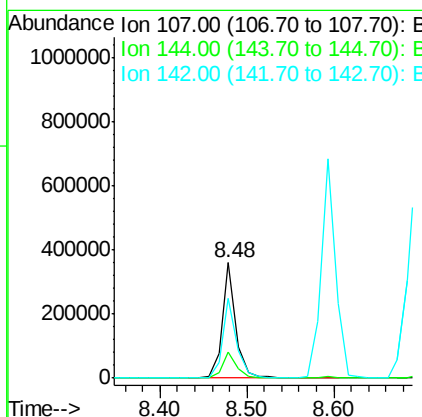
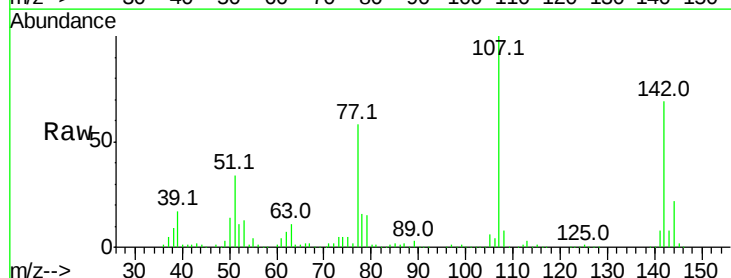
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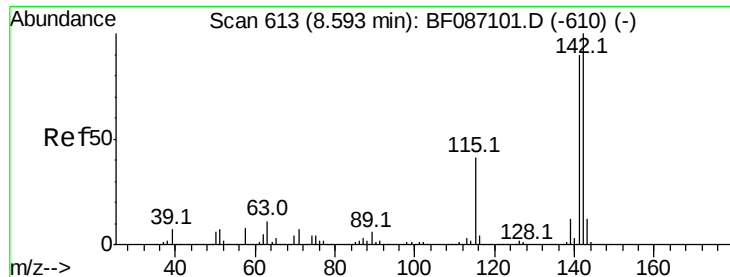
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#36
 4-Chloro-3-methylphenol
 Concen: 41.16 ng/ml
 RT: 8.48 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: BF087109.D
 Acq: 17 May 2016 18:34

Tgt Ion	Ratio	Lower	Upper
107	100		
144	22.2	20.7	31.1
142	69.5	63.2	94.8





#37

2-Methylnaphthalene

Concen: 41.49 ng/mL

RT: 8.59 min Scan# 613

Delta R.T. -0.02 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Instrument :

BNA_F

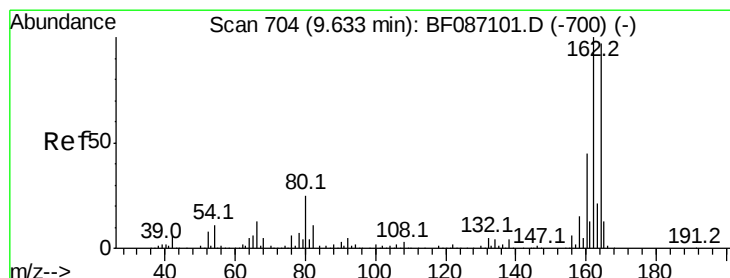
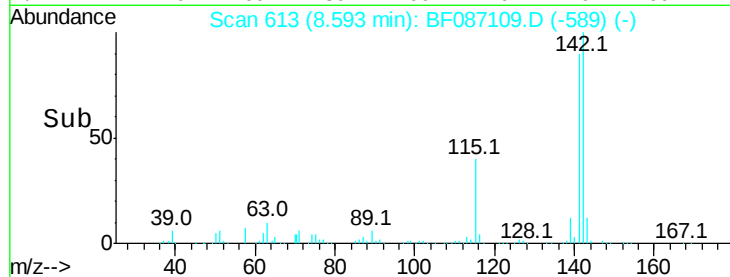
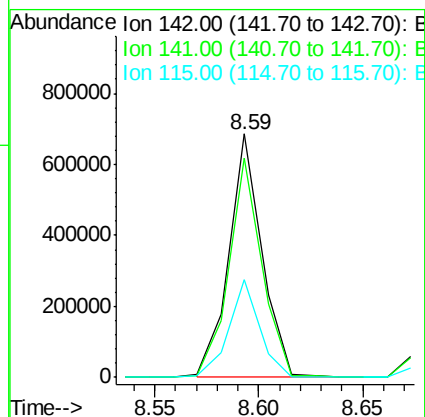
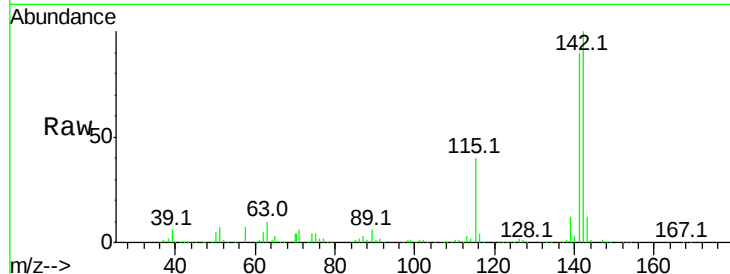
ClientSampleId :

HSR-WC-44-051216MS

Tot Ion:	142	Resp:	761316
Ion Ratio	Lower	Upper	
142	100		
141	90.3	71.0	106.6
115	40.4	26.6	39.8

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#38

Acenaphthene-d10

Concen: 20.00 ng/mL

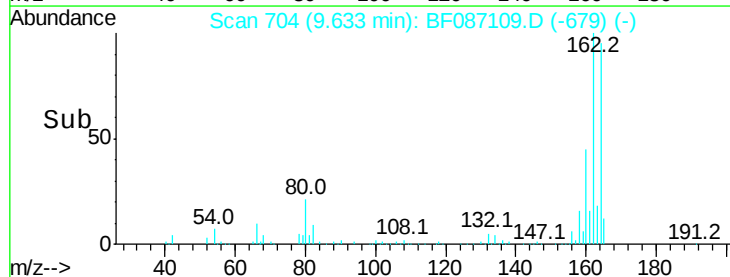
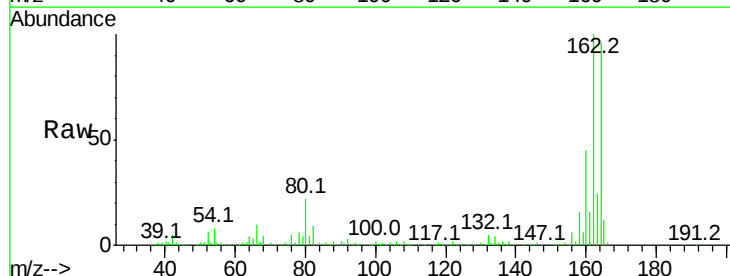
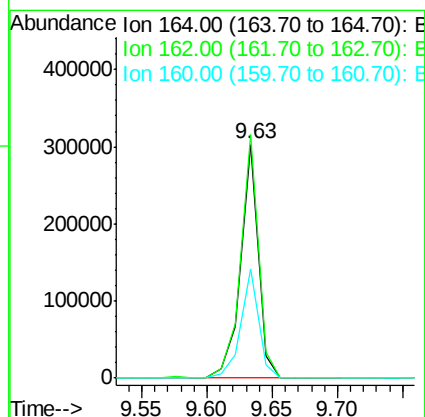
RT: 9.63 min Scan# 704

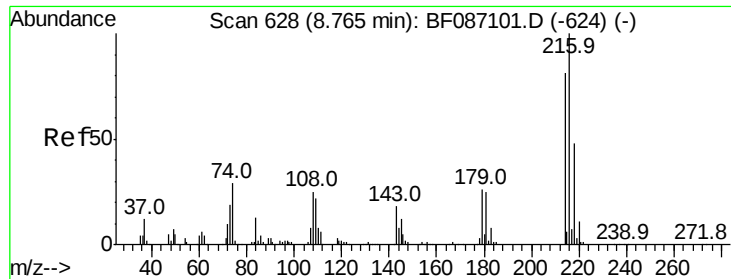
Delta R.T. -0.01 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Tgt Ion:	164	Resp:	282356
Ion Ratio	Lower	Upper	
164	100		
162	104.0	82.8	124.2
160	46.8	36.9	55.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 42.87 ng

RT: 8.76 min Scan# 628

Delta R.T. -0.01 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Instrument :

BNA_F

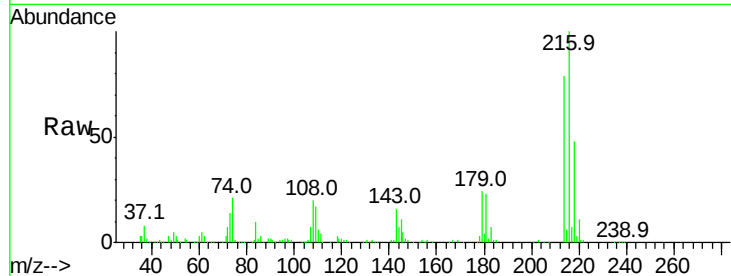
ClientSampleId :

HSR-WC-44-051216MS

Tot Ion	Ratio	Resp	Lower	Upper
216	100	353529		
214	78.7	62.6	93.8	
179	24.0	18.2	27.4	
108	25.0	17.5	26.3	

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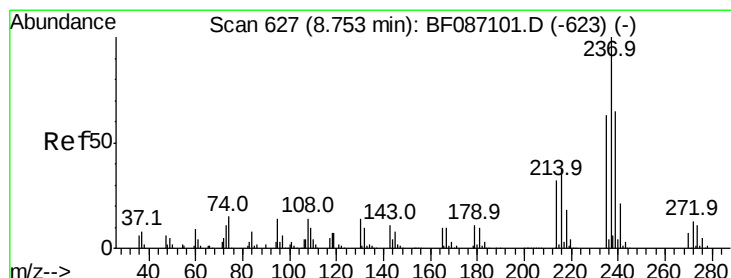
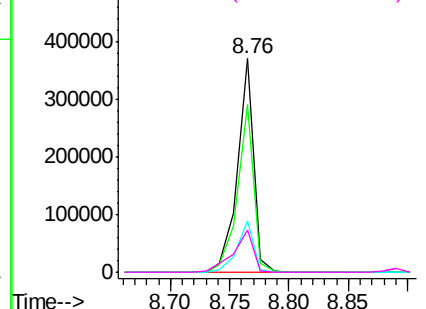
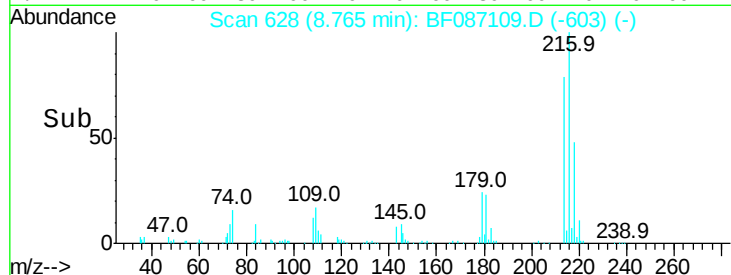


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 81.96 ng

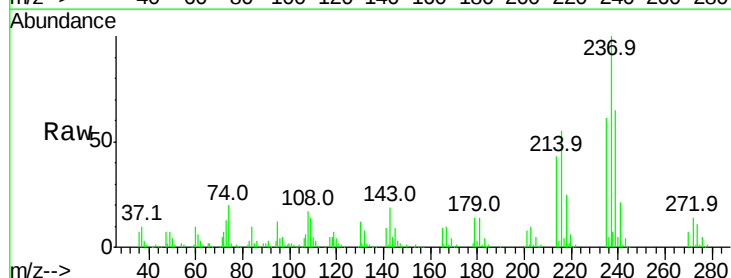
RT: 8.75 min Scan# 627

Delta R.T. -0.01 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

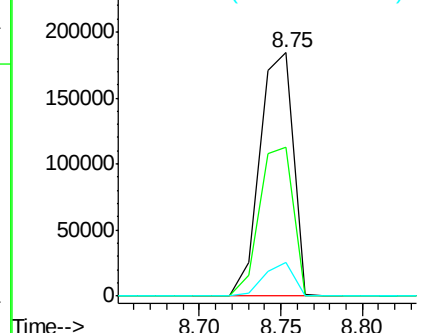
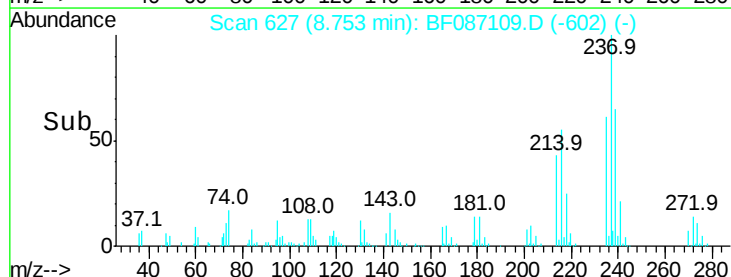
Tgt Ion	Ratio	Resp	Lower	Upper
237	100	261698		
235	61.3	47.2	87.2	
272	13.9	0.0	31.1	

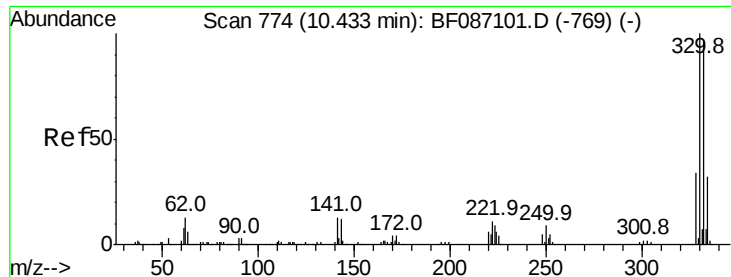


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





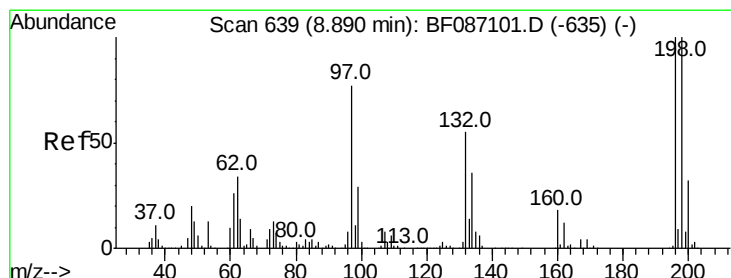
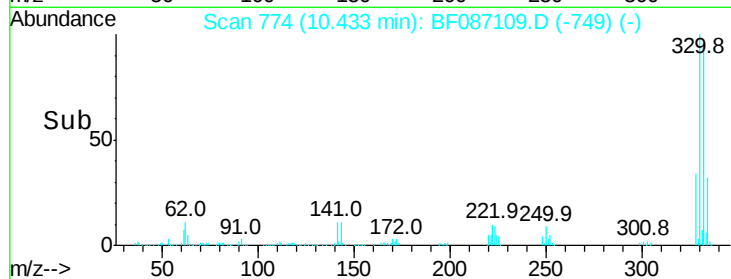
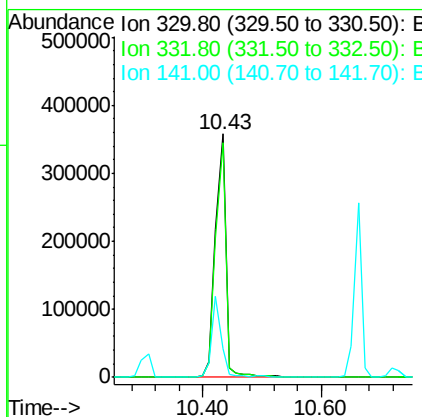
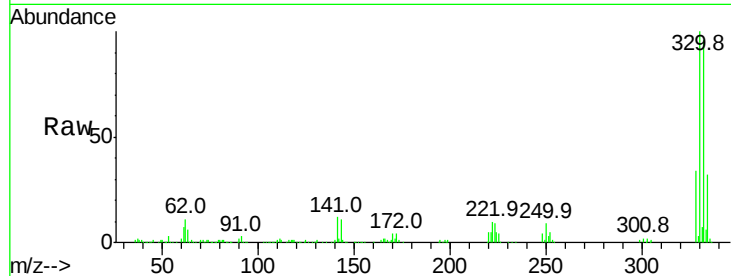
#41
 2,4,6-Tribromophenol
 Concen: 141.66 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.01 min
 Lab File: BF087109.D
 Acq: 17 May 2016 18:34

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216MS

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.1	79.0	118.4	
141	30.0	31.2	46.8	

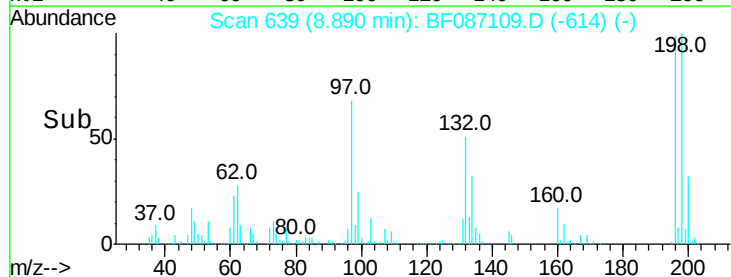
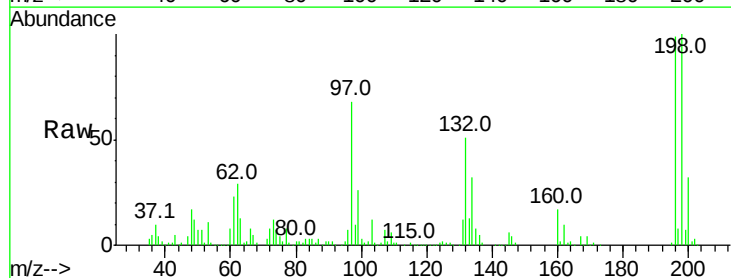
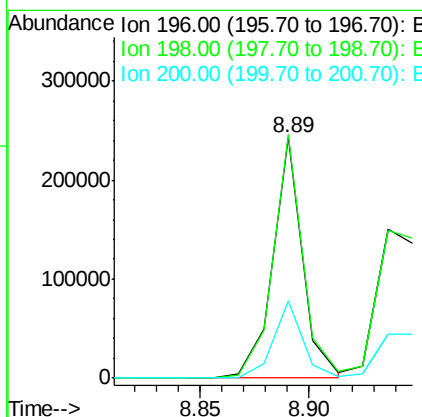
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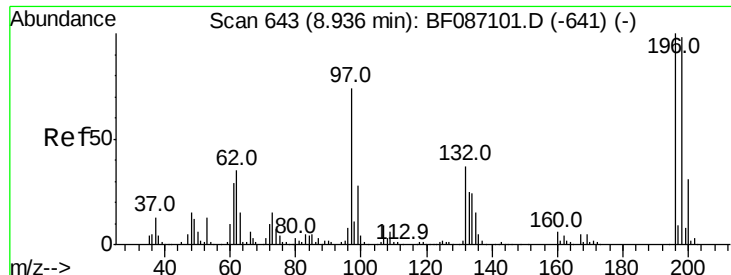
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#42
 2,4,6-Trichlorophenol
 Concen: 43.74 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.01 min
 Lab File: BF087109.D
 Acq: 17 May 2016 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	101.1	74.7	112.1	
200	32.0	23.8	35.6	





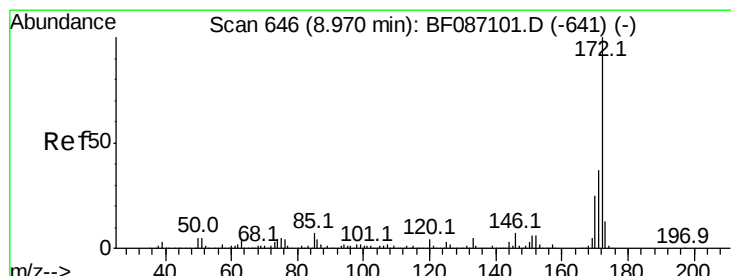
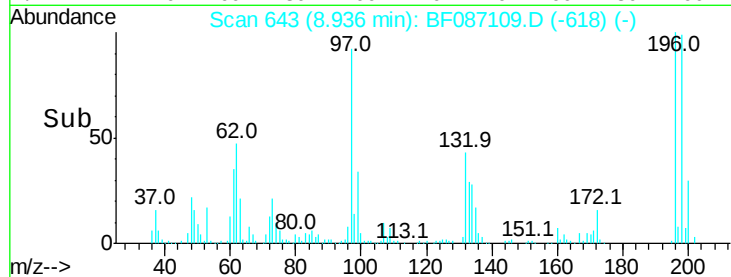
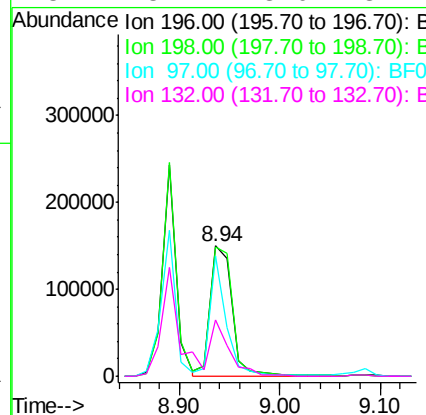
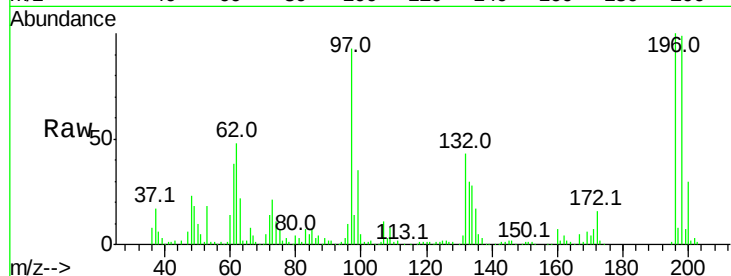
#43
 2,4,5-Trichlorophenol
 Concen: 40.92 ng
 RT: 8.94 min Scan# 643
 Delta R.T. -0.01 min
 Lab File: BF087109.D
 Acq: 17 May 2016 18:34

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		227360		
198	99.2	77.5	116.3		
97	92.9	34.8	52.2		
132	43.1	23.0	34.4		

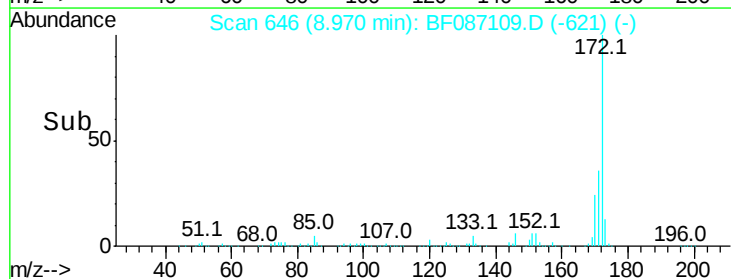
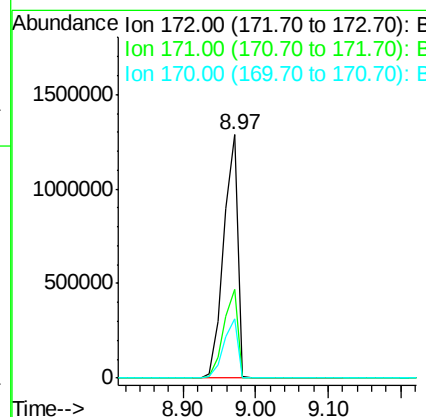
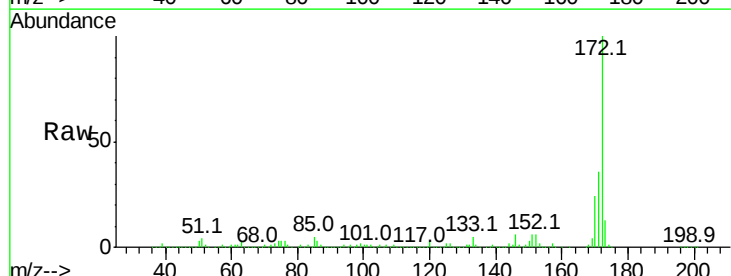
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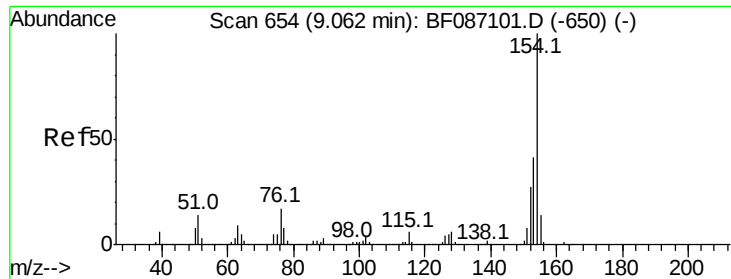
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#44
 2-Fluorobiphenyl
 Concen: 101.72 ng
 RT: 8.97 min Scan# 646
 Delta R.T. -0.01 min
 Lab File: BF087109.D
 Acq: 17 May 2016 18:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		1734174		
171	36.3	29.0	43.6		
170	24.5	19.8	29.8		





#45

1,1'-Biphenyl

Concen: 40.14 ng

RT: 9.06 min Scan# 654

Delta R.T. -0.01 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Instrument :

BNA_F

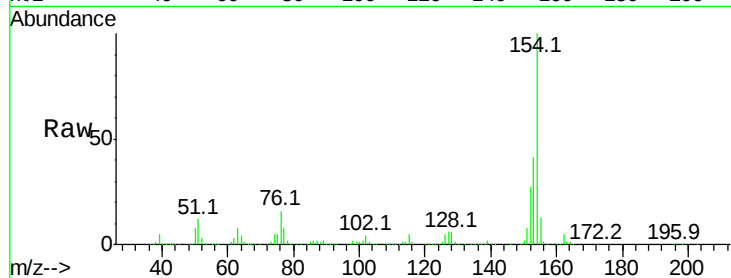
ClientSampleId :

HSR-WC-44-051216MS

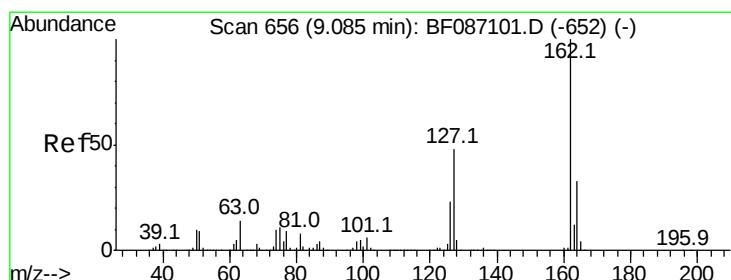
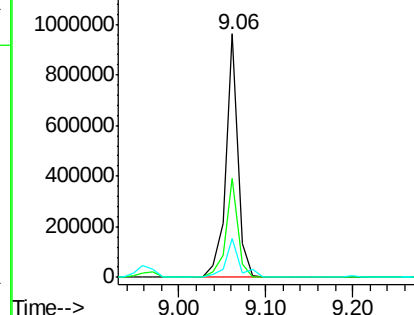
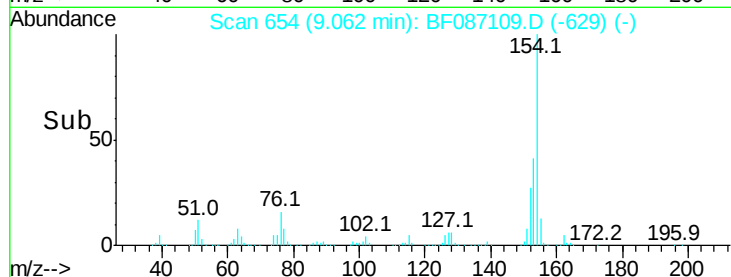
Tot Ion:	154	Resp:	939744
Ion Ratio	Lower	Upper	
154	100		
153	40.8	20.3	60.3
76	15.7	0.0	30.2

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 40.89 ng

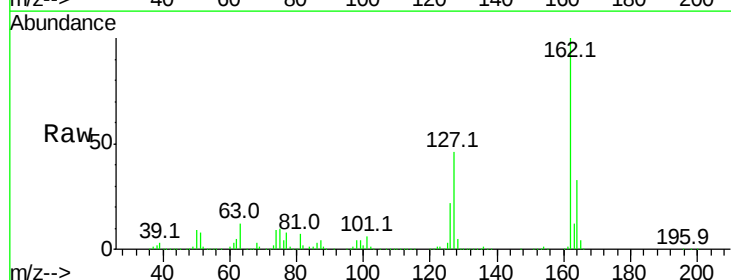
RT: 9.08 min Scan# 656

Delta R.T. -0.01 min

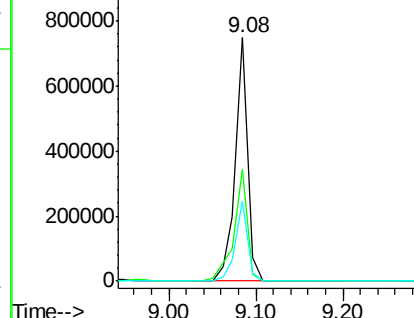
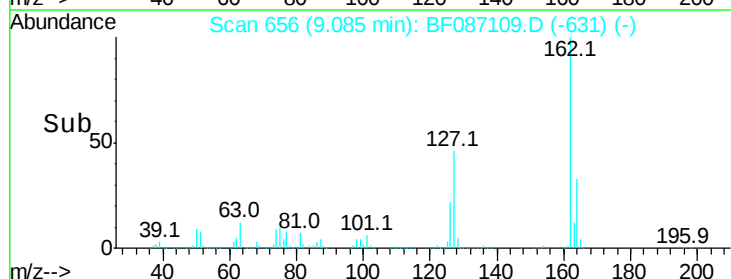
Lab File: BF087109.D

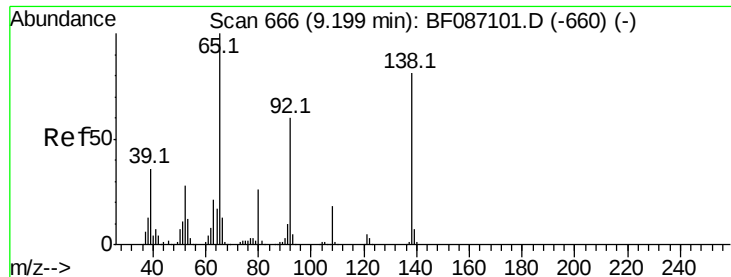
Acq: 17 May 2016 18:34

Tgt Ion:	162	Resp:	734859
Ion Ratio	Lower	Upper	
162	100		
127	46.1	31.8	47.6
164	32.9	27.0	40.6



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E





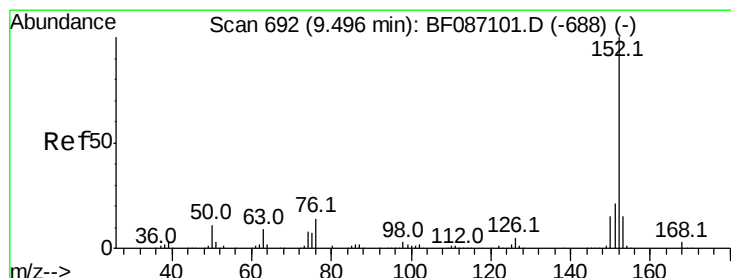
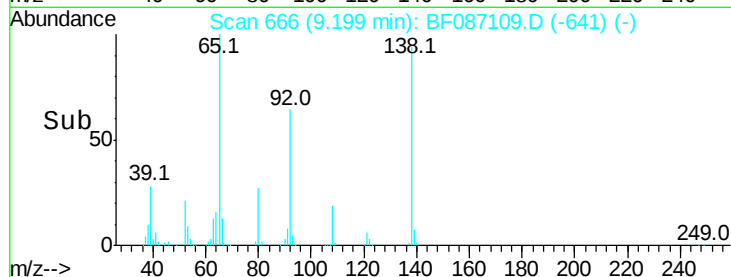
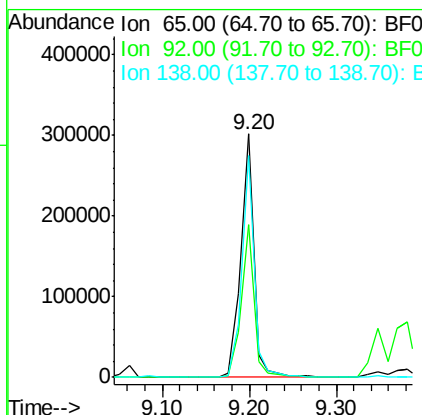
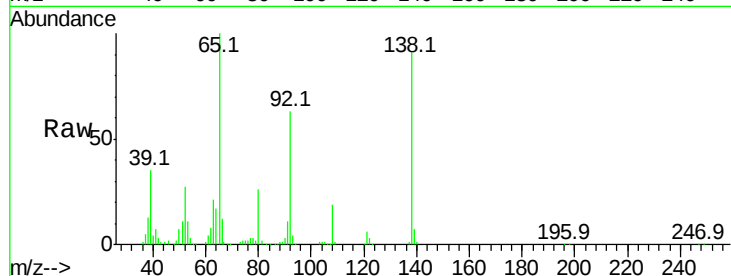
#47
2-Nitroaniline
Concen: 46.05 ng
RT: 9.20 min Scan# 666
Delta R.T. -0.01 min
Lab File: BF087109.D
Acq: 17 May 2016 18:34

Instrument :
BNA_F
ClientSampleId :
HSR-WC-44-051216MS

Tot Ion	Ratio	Lower	Upper
65	100		
92	63.0	57.4	86.2
138	91.3	90.1	135.1

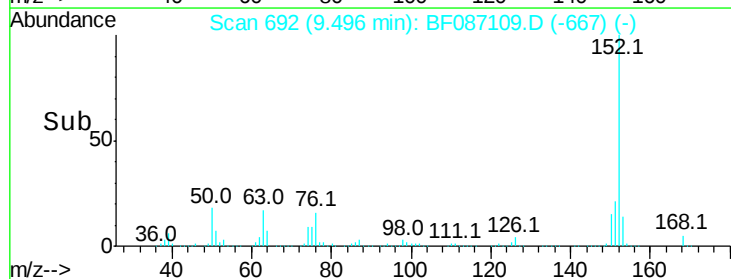
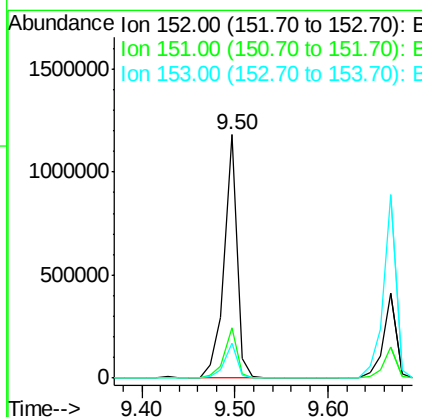
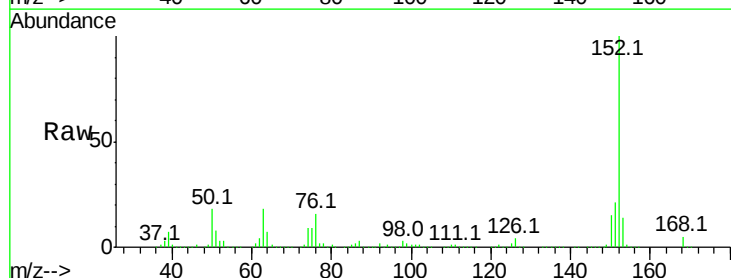
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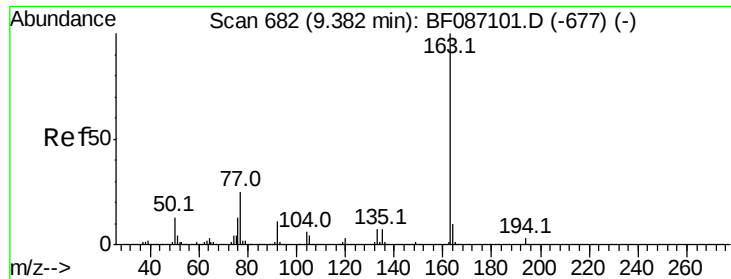
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#48
Acenaphthylene
Concen: 41.33 ng
RT: 9.50 min Scan# 692
Delta R.T. -0.01 min
Lab File: BF087109.D
Acq: 17 May 2016 18:34

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.8	25.2
153	14.3	10.9	16.3





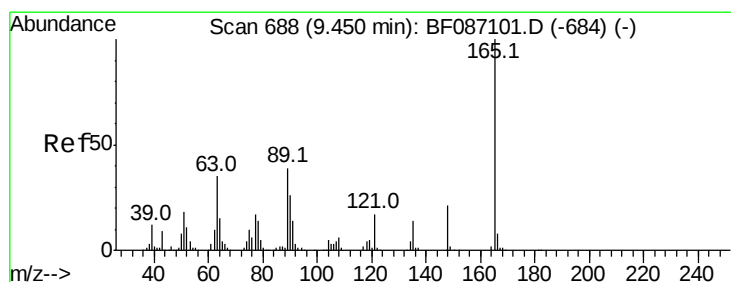
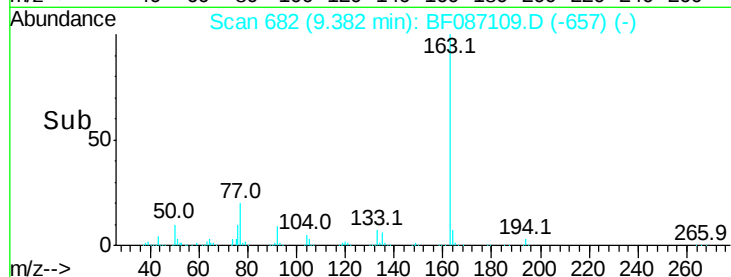
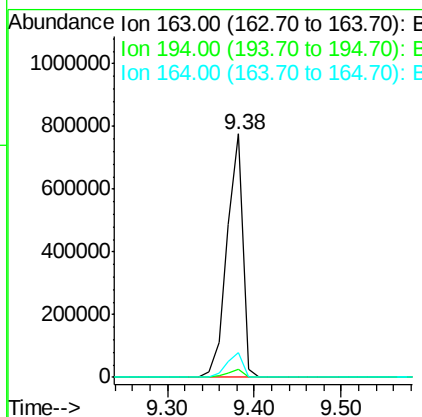
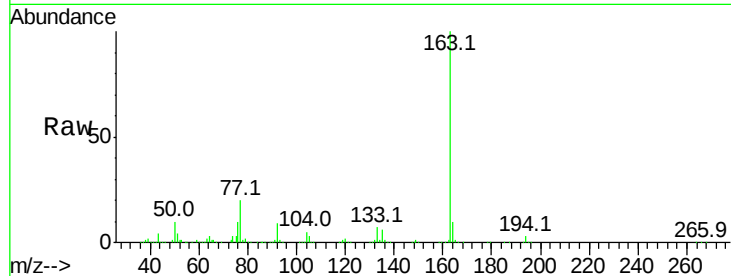
#49
Dimethylphthalate
Concen: 45.39 ng
RT: 9.38 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF087109.D
Acq: 17 May 2016 18:34

Instrument :
BNA_F
ClientSampleId :
HSR-WC-44-051216MS

Tot Ion	Ratio	Resp	Lower	Upper
163	100	977650		
194	3.4		2.6	4.0
164	10.0		8.2	12.4

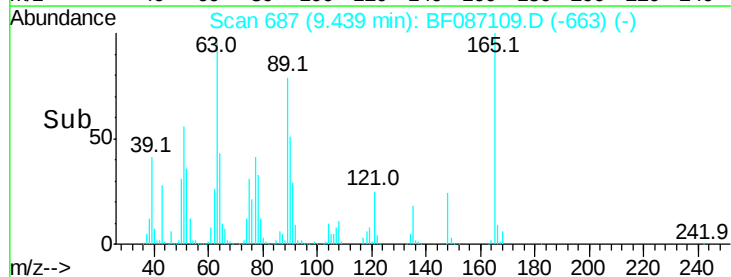
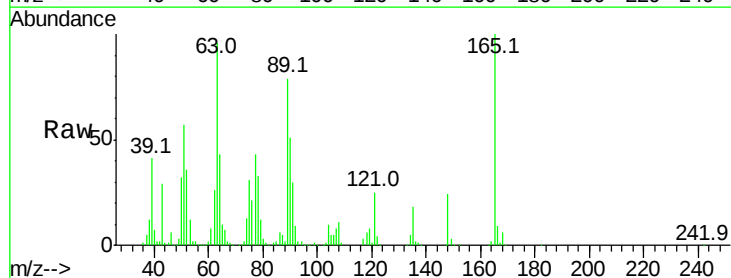
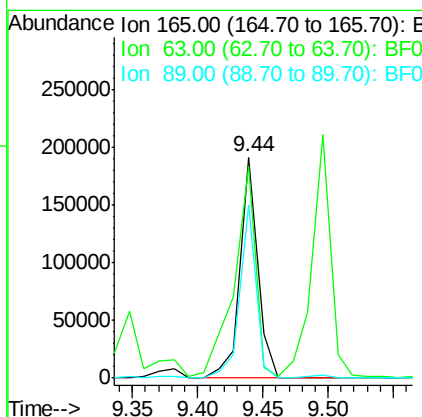
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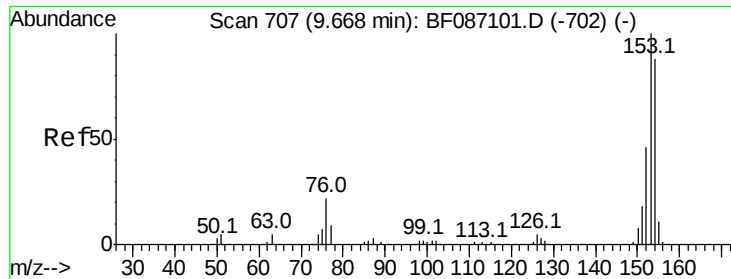
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#50
2,6-Dinitrotoluene
Concen: 38.56 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF087109.D
Acq: 17 May 2016 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	180351		
63	95.6		51.8	77.8#
89	78.6		50.7	76.1#





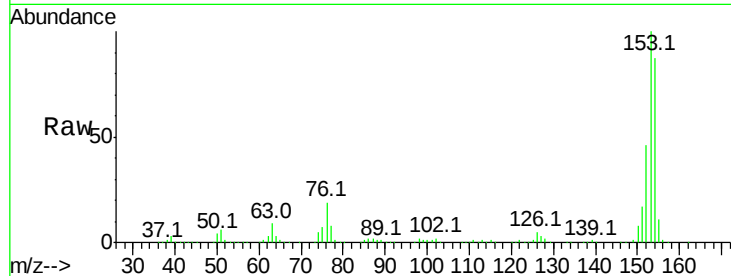
#51
Acenaphthene
Concen: 42.97 ng
RT: 9.67 min Scan# 707
Delta R.T. -0.01 min
Lab File: BF087109.D
Acq: 17 May 2016 18:34

Instrument :
BNA_F
ClientSampleId :
HSR-WC-44-051216MS

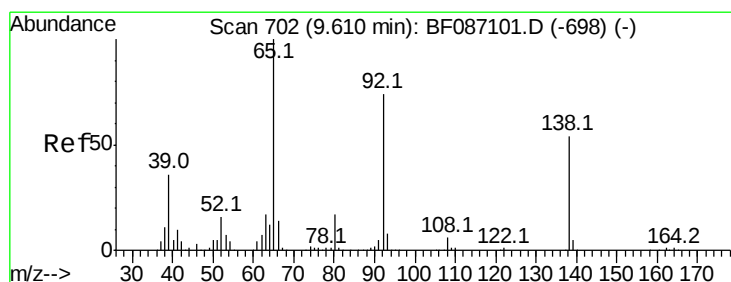
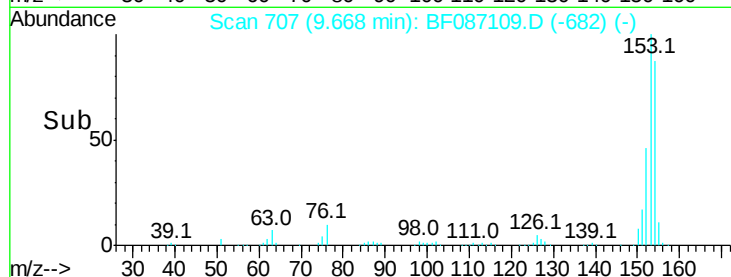
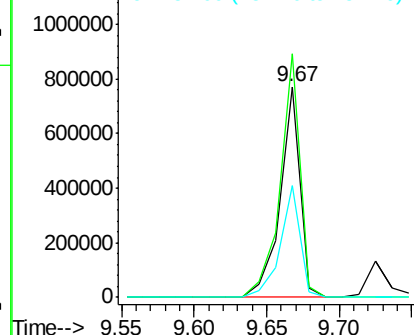
Tot Ion	Ratio	Lower	Upper
154	100		
153	115.5	89.8	134.6
152	53.2	43.4	65.0

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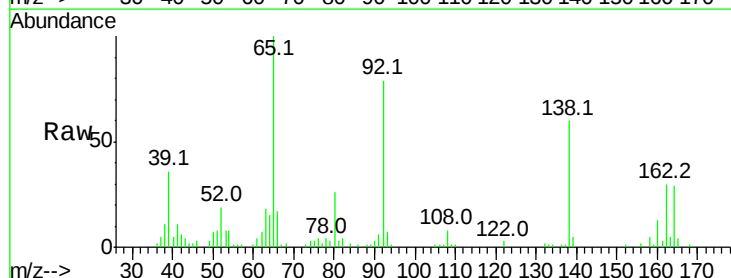


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

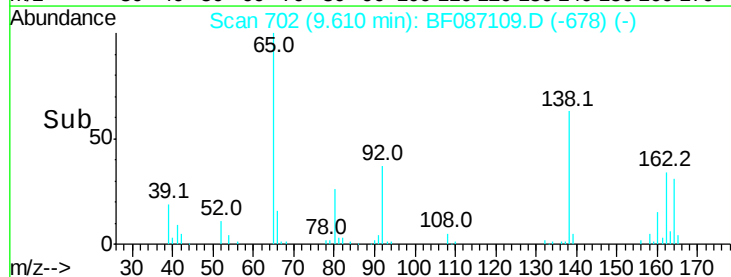
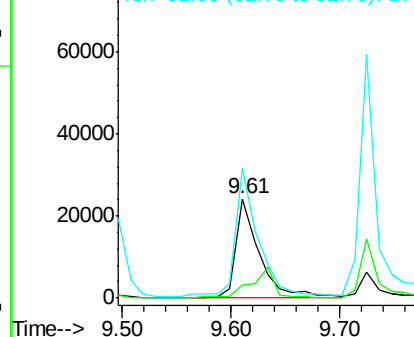


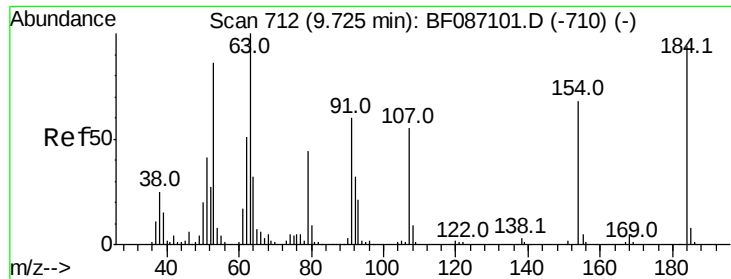
#52
3-Nitroaniline
Concen: 7.25 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.02 min
Lab File: BF087109.D
Acq: 17 May 2016 18:34

Tgt Ion	Ratio	Lower	Upper
138	100		
108	12.9	7.8	11.6#
92	130.9	87.8	131.8



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0





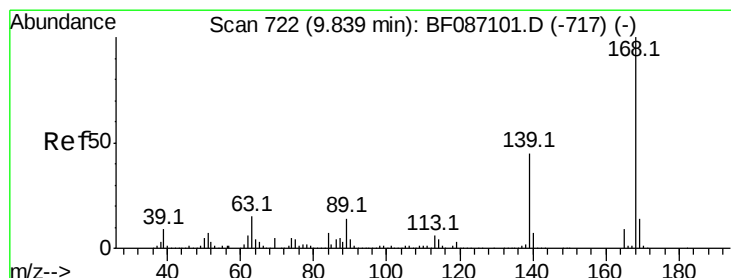
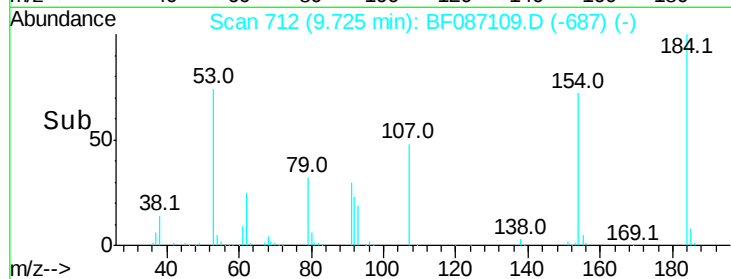
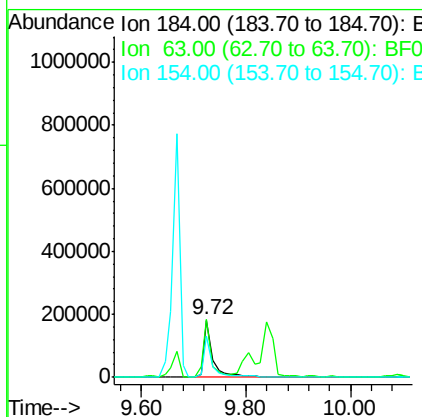
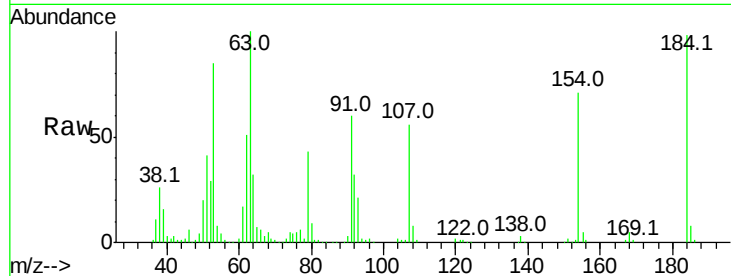
#53
 2,4-Dinitrophenol
 Concen: 84.43 ng
 RT: 9.72 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: BF087109.D
 Acq: 17 May 2016 18:34

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216MS

Tot Ion	Ratio	Resp	Lower	Upper
184	100	227001		
63	101.9	55.8	83.8#	
154	72.4	62.4	93.6	

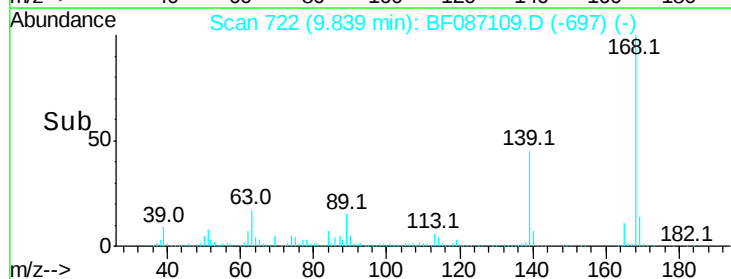
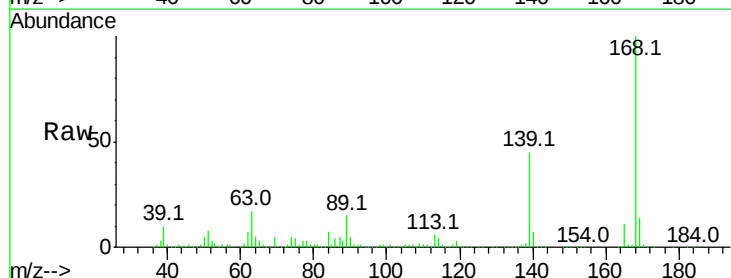
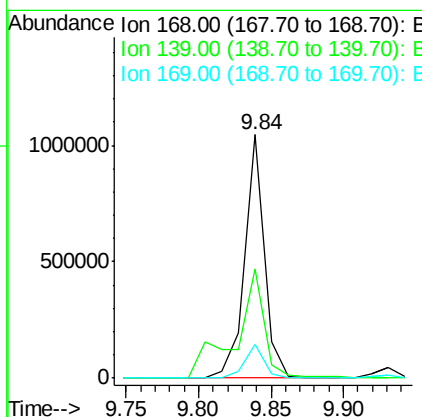
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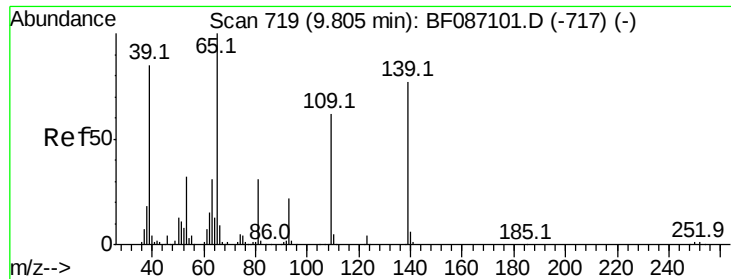
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#54
 Dibenzofuran
 Concen: 44.29 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: BF087109.D
 Acq: 17 May 2016 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	981924		
139	44.7	31.4	47.0	
169	14.0	10.7	16.1	





#55

4-Nitrophenol

Concen: 61.19 ng/mL

RT: 9.80 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Instrument :

BNA_F

ClientSampleId :

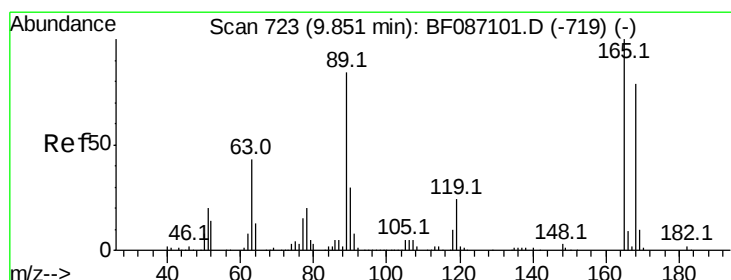
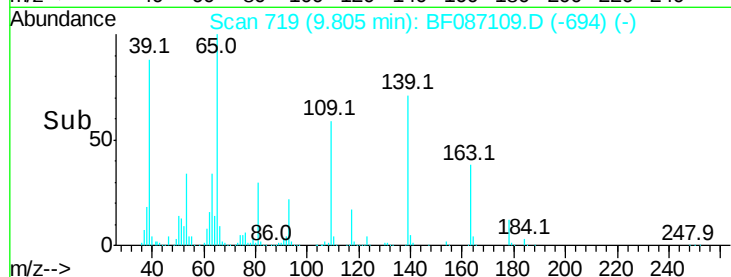
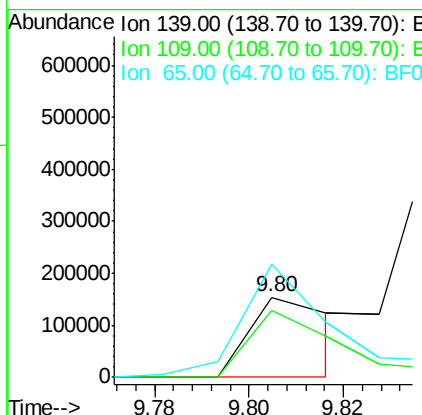
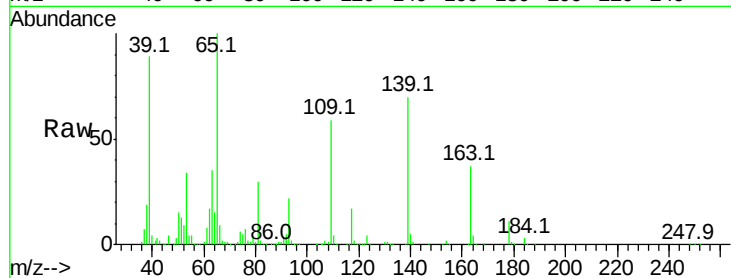
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Tot Ion:	139	Resp:	191470
Ion Ratio	Lower	Upper	
139	100		
109	83.6	36.9	76.9#
65	141.9	64.0	104.0#



#56

2,4-Dinitrotoluene

Concen: 48.17 ng/mL

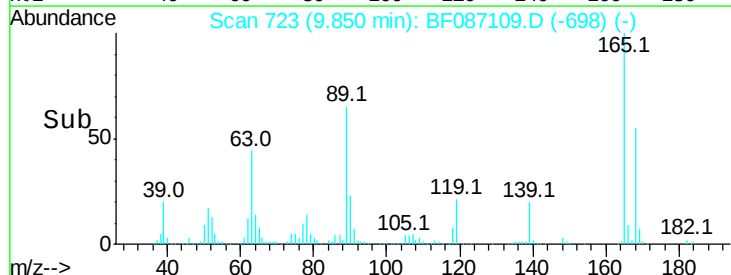
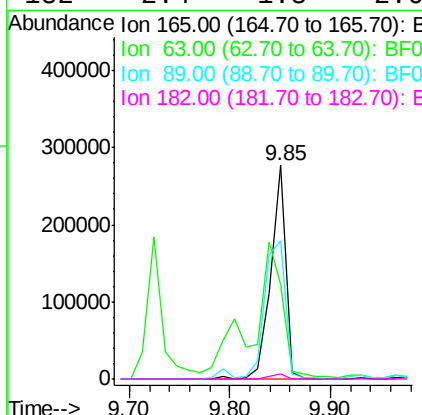
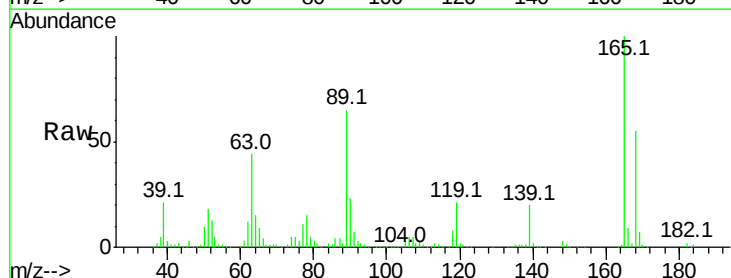
RT: 9.85 min Scan# 723

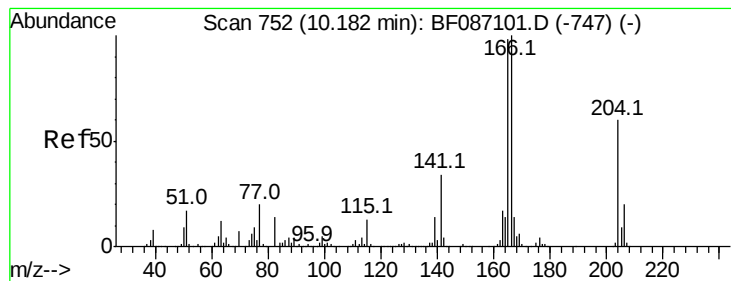
Delta R.T. -0.01 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Tgt Ion:	165	Resp:	288566
Ion Ratio	Lower	Upper	
165	100		
63	44.5	44.3	66.5
89	64.9	70.0	105.0#
182	2.4	1.8	2.6





#57

Fluorene

Concen: 44.28 ng

RT: 10.18 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Instrument :

BNA_F

ClientSampleId :

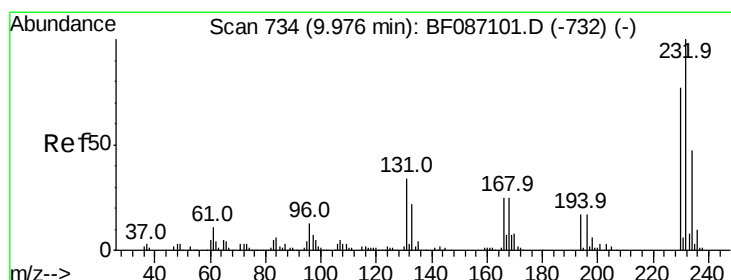
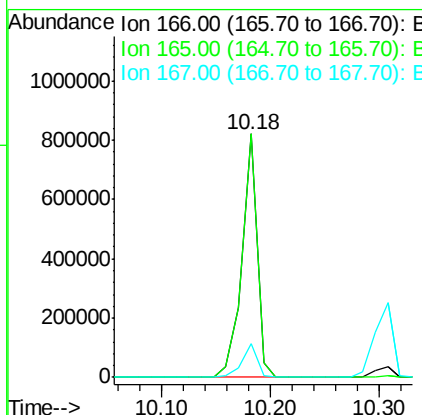
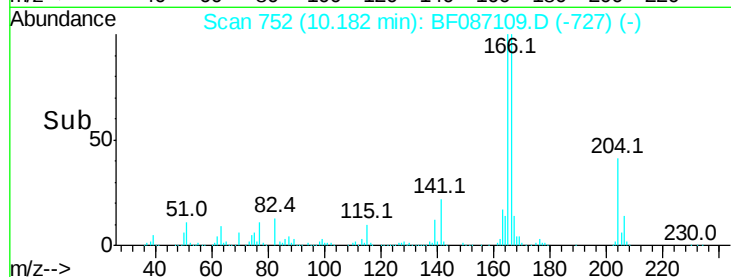
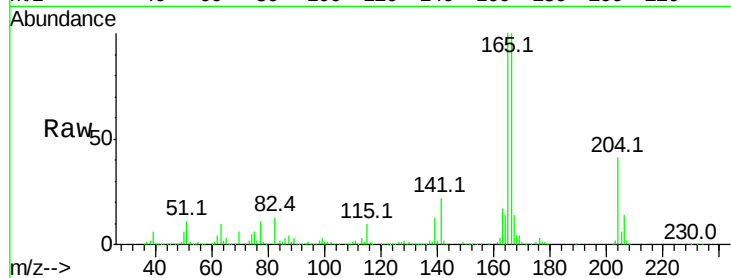
HSR-WC-44-051216MS

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Tot Ion:	166	Resp:	788803
Ion Ratio	Lower	Upper	
166	100		
165	100.1	79.0	118.6
167	13.7	10.6	15.8



#58

2,3,4,6-Tetrachlorophenol

Concen: 46.79 ng

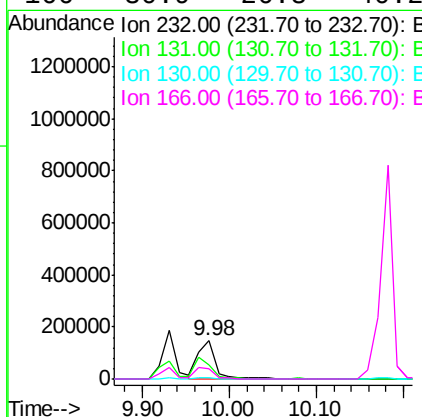
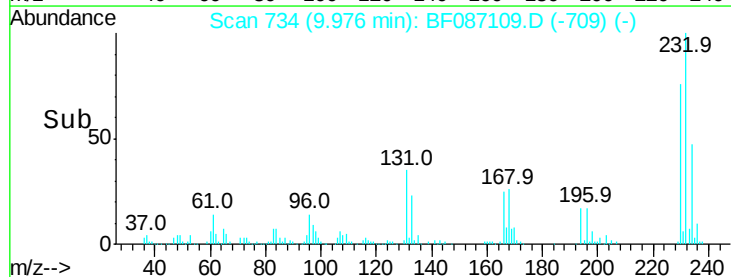
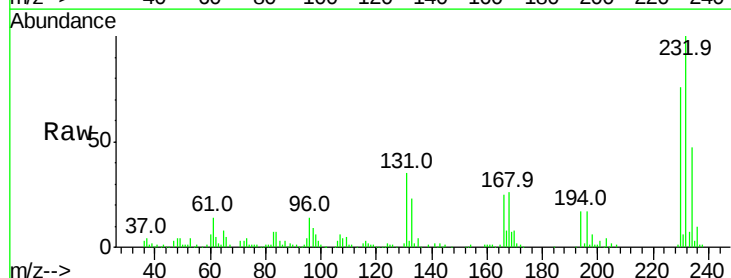
RT: 9.98 min Scan# 734

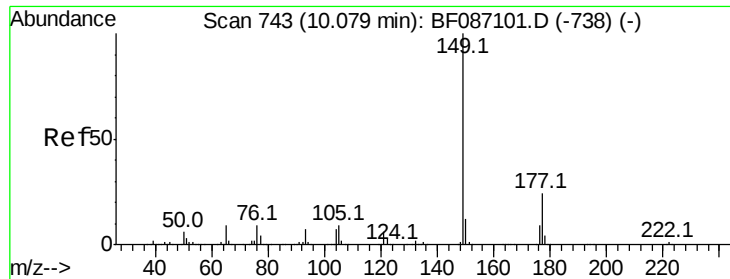
Delta R.T. -0.01 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Tgt Ion:	232	Resp:	202461
Ion Ratio	Lower	Upper	
232	100		
131	51.8	41.9	62.9
130	2.8	2.2	3.4
166	30.9	26.8	40.2





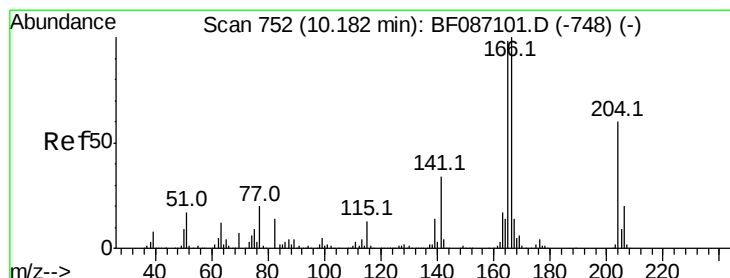
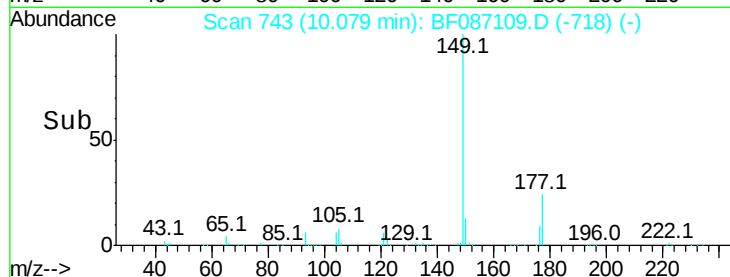
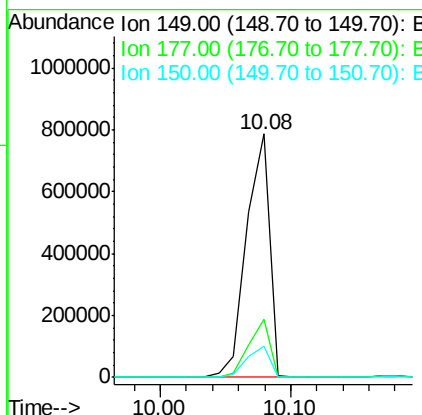
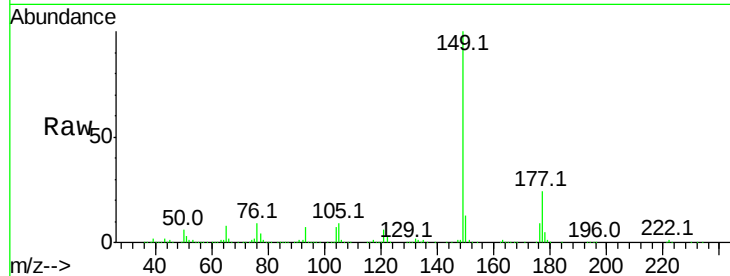
#59
Diethylphthalate
Concen: 47.09 ng
RT: 10.08 min Scan# 743
Delta R.T. -0.01 min
Lab File: BF087109.D
Acq: 17 May 2016 18:34

Instrument :
BNA_F
ClientSampleId :
HSR-WC-44-051216MS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	968362		
177	24.1	16.6	24.8	
150	12.6	10.0	15.0	

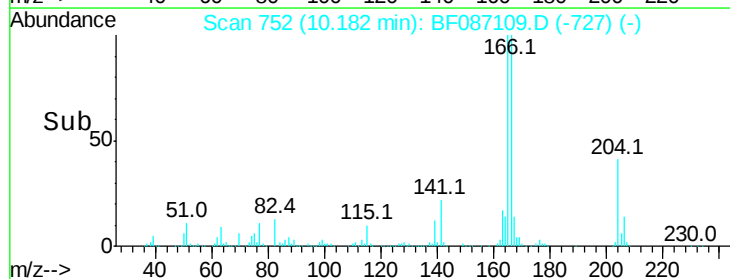
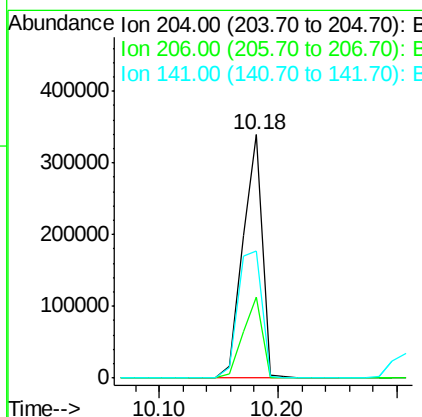
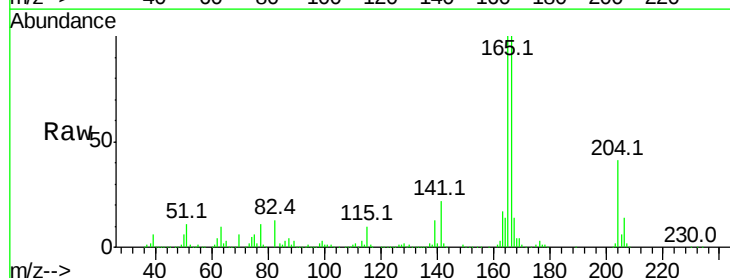
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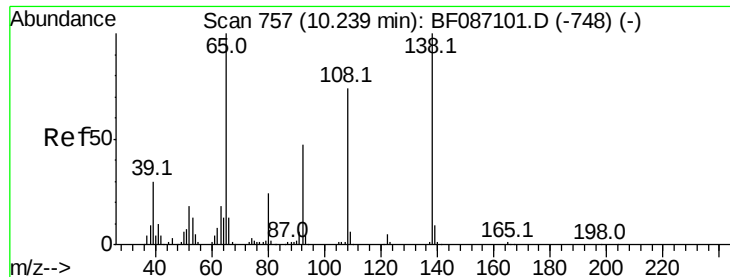
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#60
4-Chlorophenyl-phenylether
Concen: 45.70 ng
RT: 10.18 min Scan# 752
Delta R.T. -0.01 min
Lab File: BF087109.D
Acq: 17 May 2016 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	385897		
206	33.3	25.4	38.0	
141	52.2	61.6	92.4	





#61

4-Nitroaniline

Concen: 37.50 ng

RT: 10.23 min Scan# 756

Delta R.T. -0.02 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216MS

Tot Ion:138 Resp: 187447

Ion Ratio Lower Upper

138 100

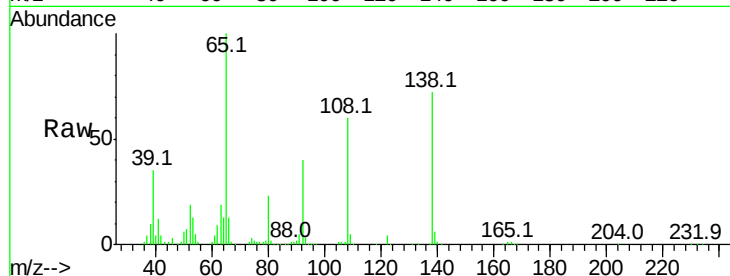
92 55.7 24.7 64.7

108 83.8 37.4 77.4#

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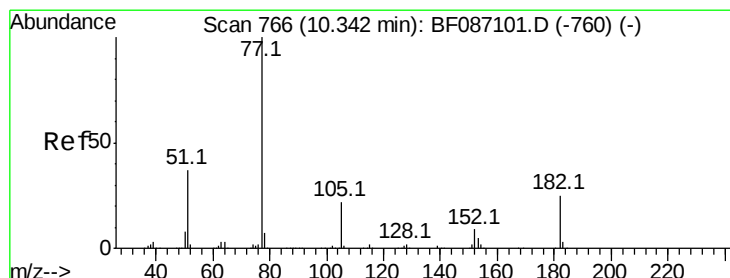
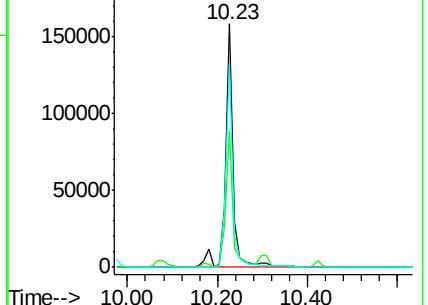
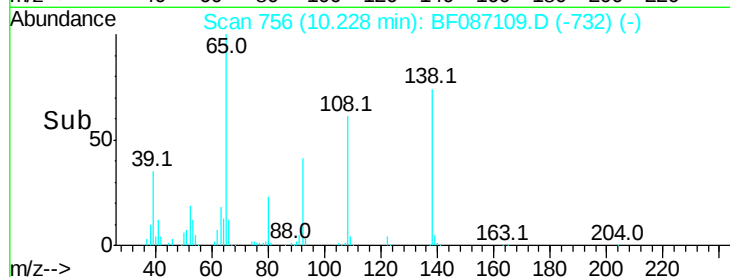


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E

Time-->



#62

Azobenzene

Concen: 45.00 ng

RT: 10.34 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Tgt Ion: 77 Resp: 1066305

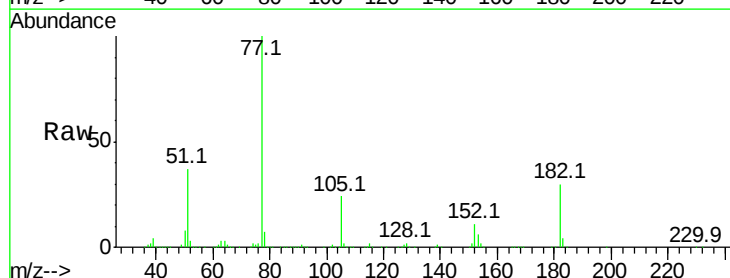
Ion Ratio Lower Upper

77 100

182 30.3 0.0 38.8

105 23.6 3.2 43.2

51 36.6 8.8 48.8



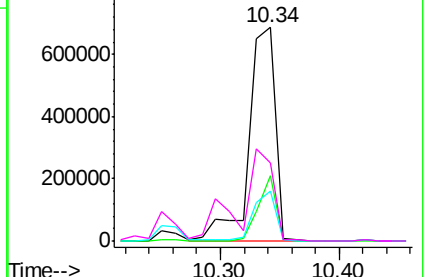
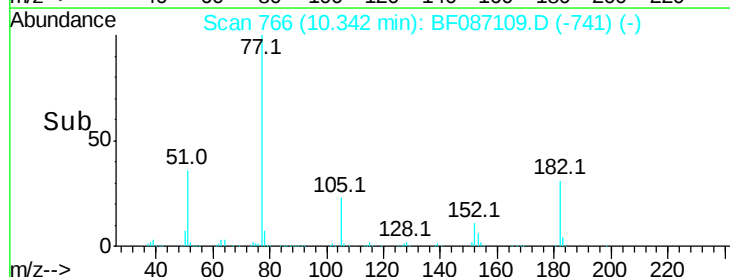
Abundance Ion 77.00 (76.70 to 77.70): BF0

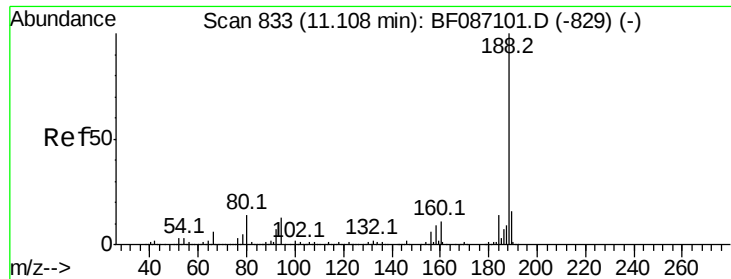
Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

Time-->





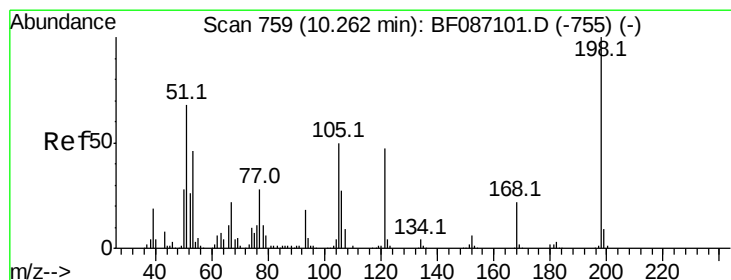
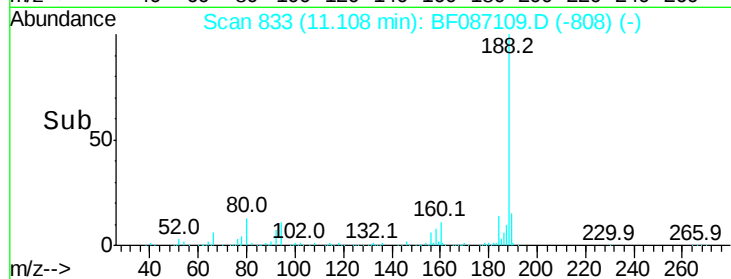
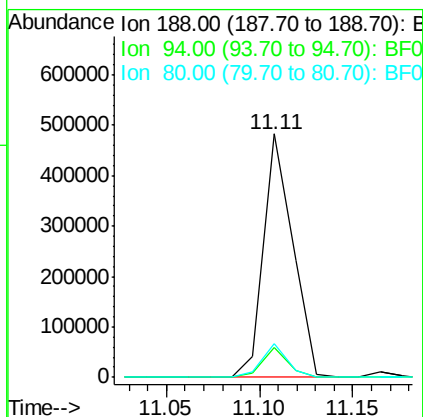
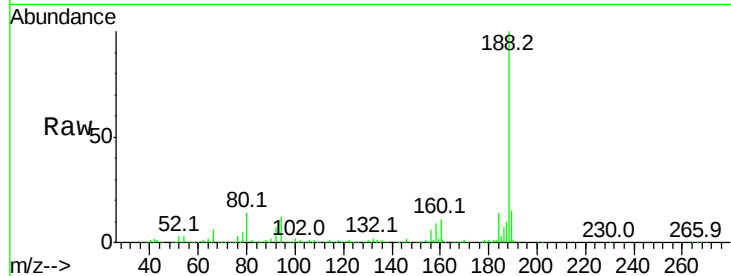
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF087109.D
Acq: 17 May 2016 18:34

Instrument :
BNA_F
ClientSampleId :
HSR-WC-44-051216MS

Tot Ion	Ratio	Resp	Lower	Upper
188	100	524611		
94	12.0	6.8	10.2#	
80	13.6	7.1	10.7#	

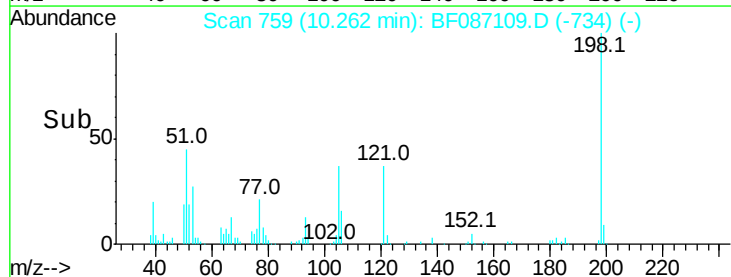
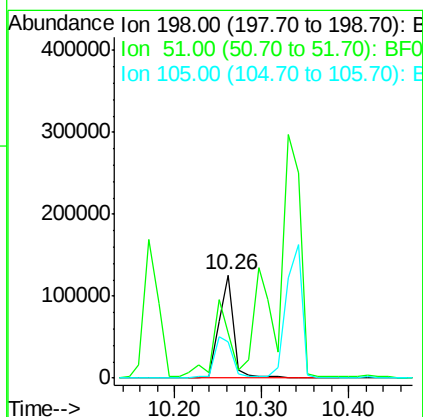
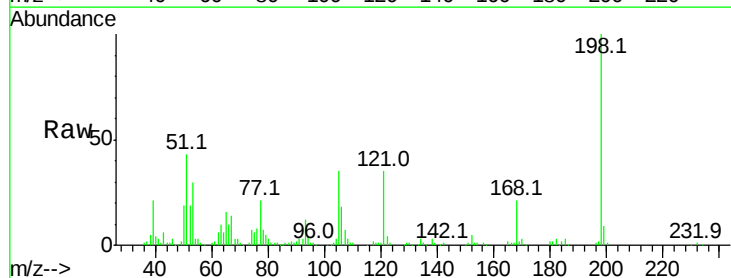
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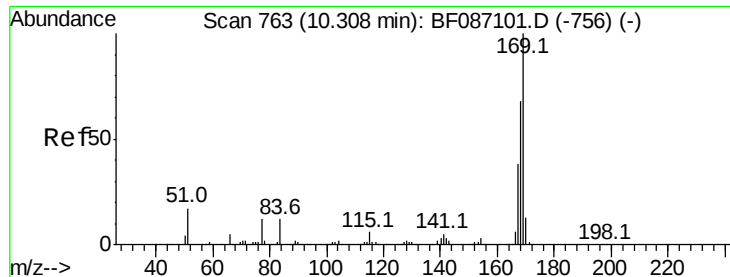
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#64
4,6-Dinitro-2-methylphenol
Concen: 43.87 ng
RT: 10.26 min Scan# 759
Delta R.T. -0.01 min
Lab File: BF087109.D
Acq: 17 May 2016 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	151569		
51	43.4	20.5	60.5	
105	35.0	24.5	64.5	





#65

n-Nitrosodiphenylamine

Concen: 47.49 ng

RT: 10.31 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Instrument :

BNA_F

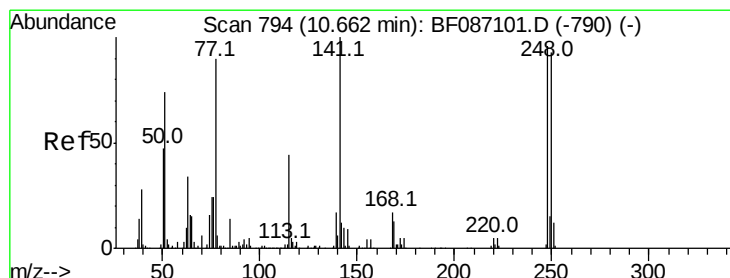
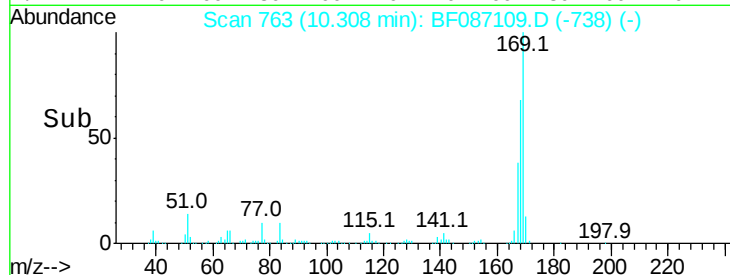
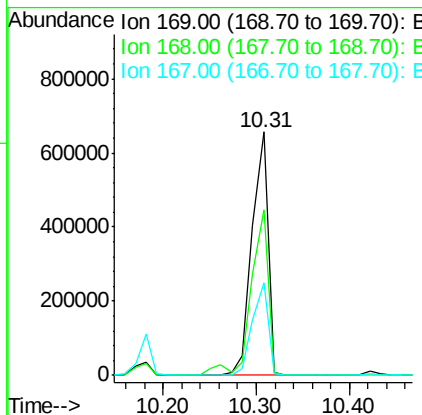
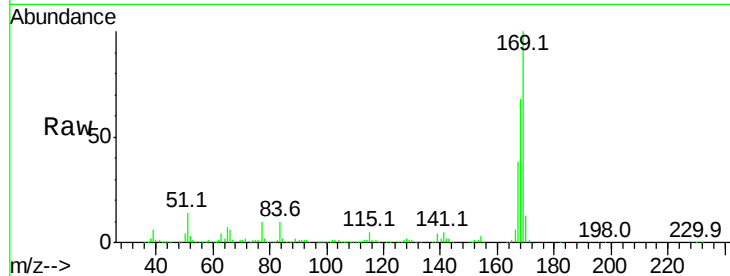
ClientSampleId :

HSR-WC-44-051216MS

Tot Ion:	169	Resp:	784036
Ion Ratio	Lower	Upper	
169	100		
168	68.0	53.8	80.6
167	38.2	29.5	44.3

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#66

4-Bromophenyl-phenylether

Concen: 41.67 ng

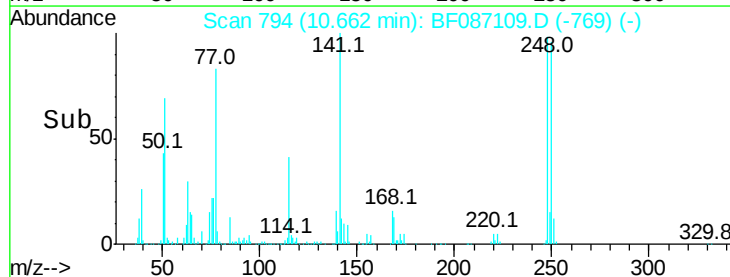
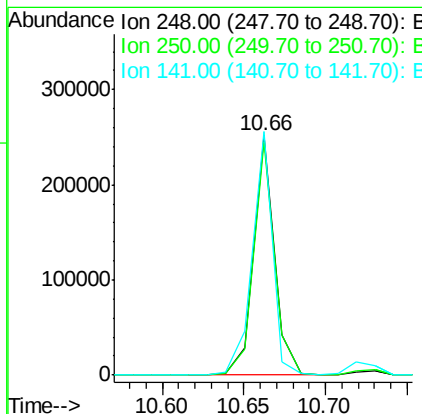
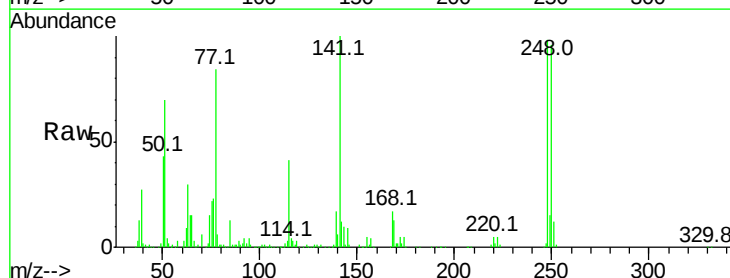
RT: 10.66 min Scan# 794

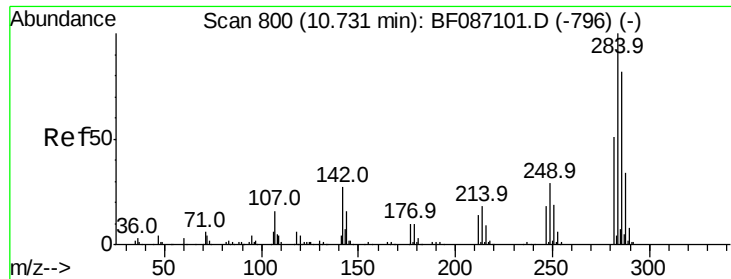
Delta R.T. -0.01 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Tgt Ion:	248	Resp:	224802
Ion Ratio	Lower	Upper	
248	100		
250	97.4	78.6	117.8
141	101.6	76.0	114.0





#67

Hexachlorobenzene

Concen: 46.19 ng

RT: 10.73 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Instrument :

BNA_F

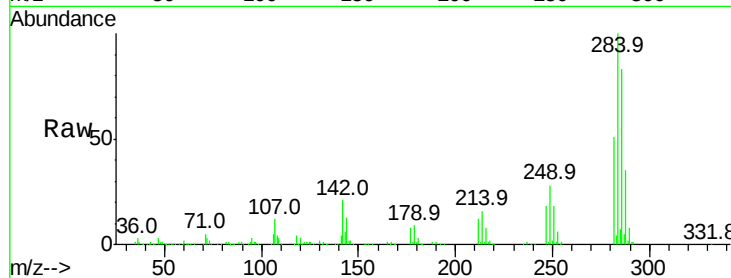
ClientSampleId :

HSR-WC-44-051216MS

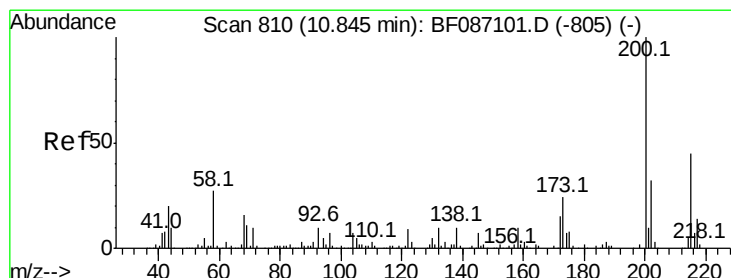
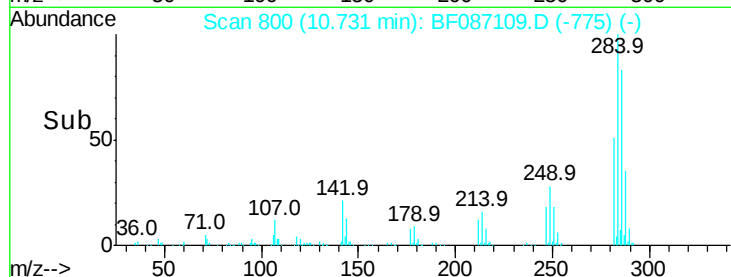
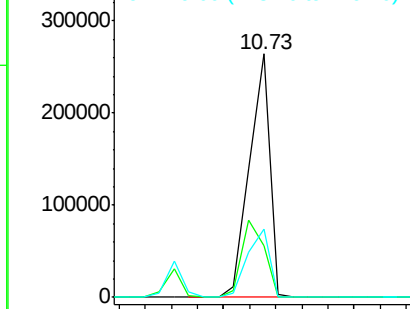
Tot Ion:	284	Resp:	288877
Ion Ratio	Lower	Upper	
284	100		
142	21.3	16.7	25.1
249	27.8	21.3	31.9

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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: 44.36 ng

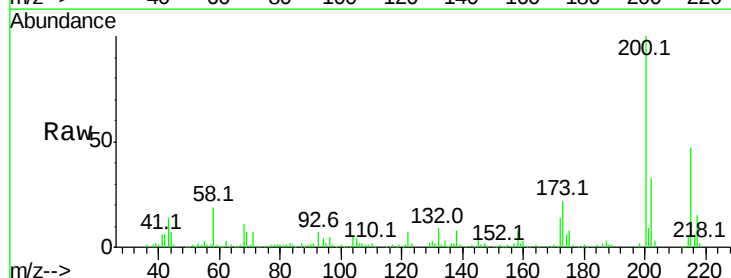
RT: 10.84 min Scan# 810

Delta R.T. -0.01 min

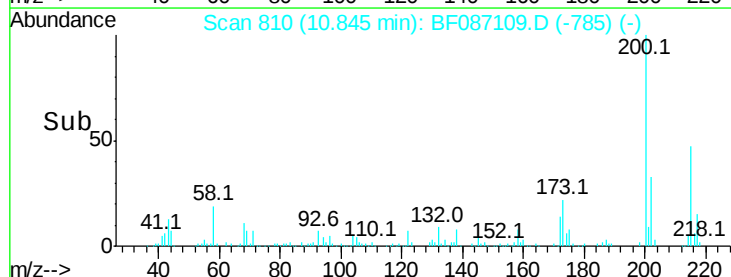
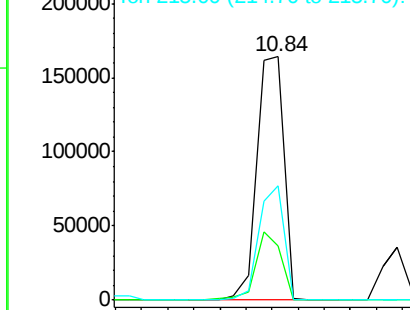
Lab File: BF087109.D

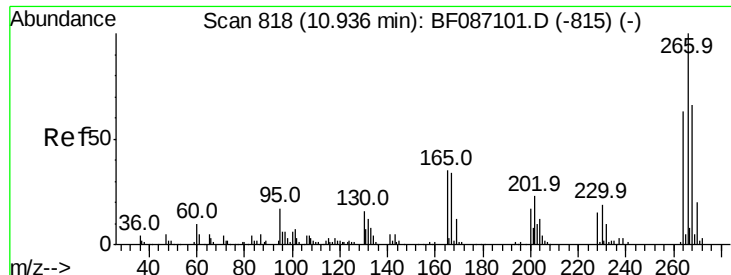
Acq: 17 May 2016 18:34

Tgt Ion:	200	Resp:	238891
Ion Ratio	Lower	Upper	
200	100		
173	22.1	8.5	48.5
215	46.7	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





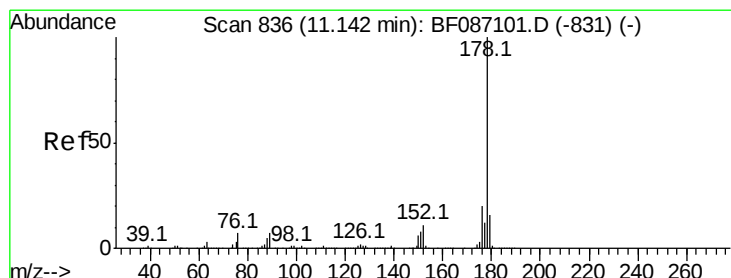
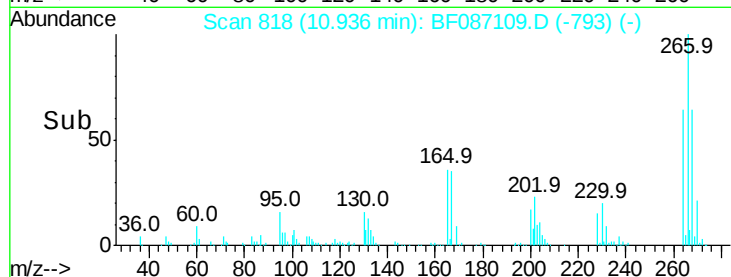
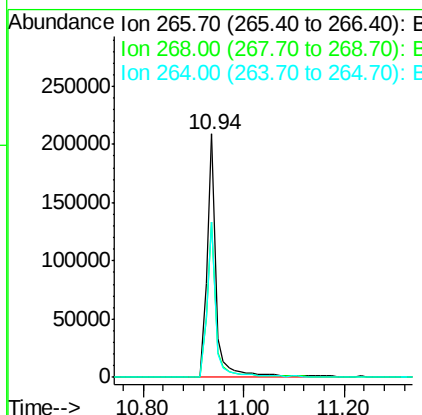
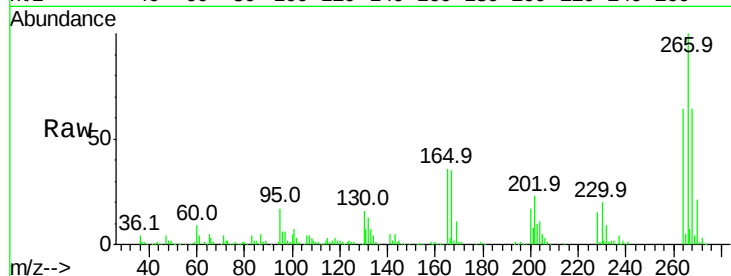
#69
 Pentachlorophenol
 Concen: 113.04 ng
 RT: 10.94 min Scan# 818
 Delta R.T. -0.01 min
 Lab File: BF087109.D
 Acq: 17 May 2016 18:34

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216MS

Tot Ion	Ratio	Resp	Lower	Upper
266	100	265616		
268	63.7	51.5	77.3	
264	63.5	52.9	79.3	

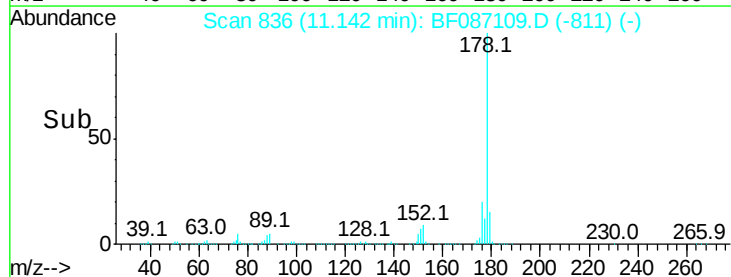
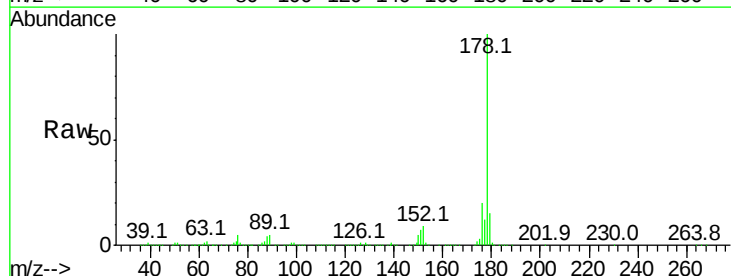
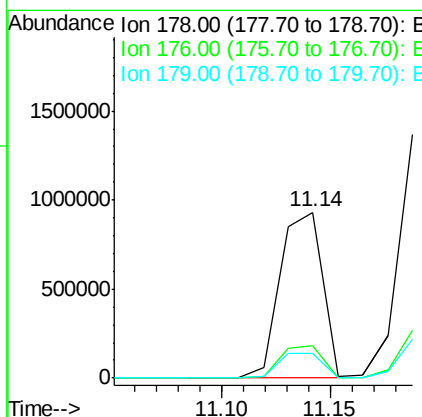
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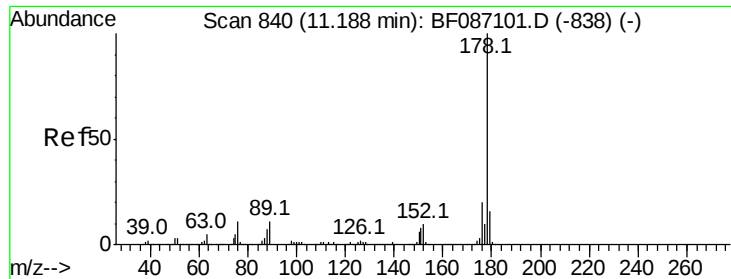
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#70
 Phenanthrene
 Concen: 44.83 ng
 RT: 11.14 min Scan# 836
 Delta R.T. -0.01 min
 Lab File: BF087109.D
 Acq: 17 May 2016 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1275453		
176	19.6	16.0	24.0	
179	15.3	12.6	18.8	





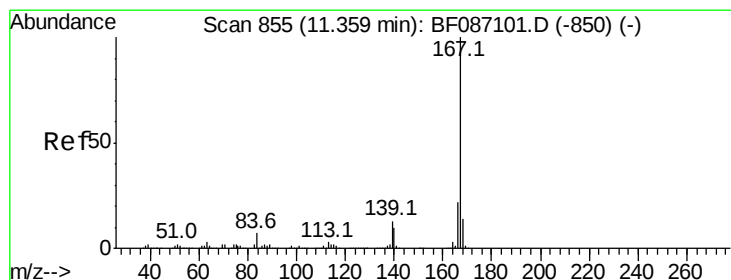
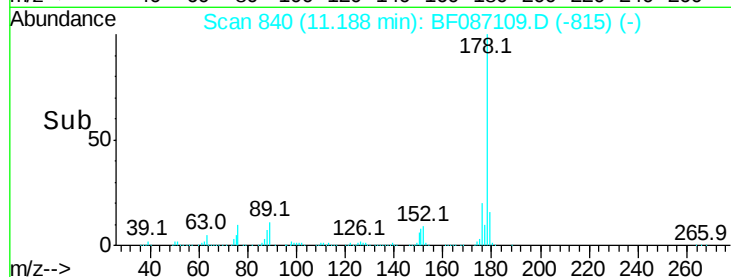
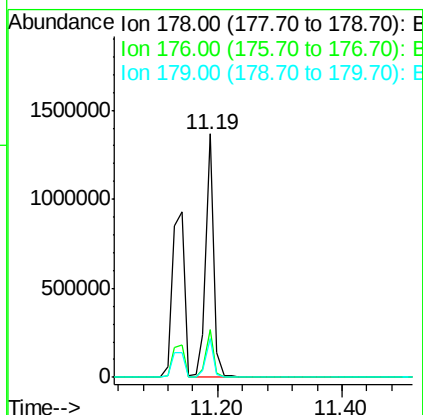
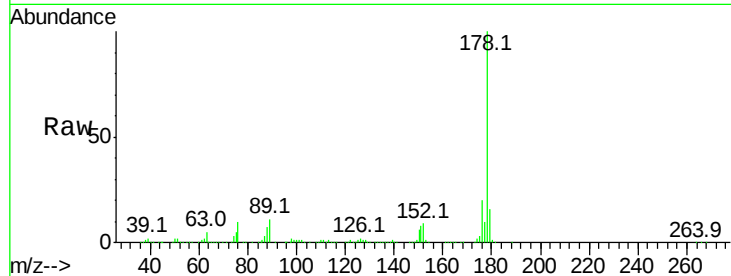
#71
 Anthracene
 Concen: 42.85 ng
 RT: 11.19 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BF087109.D
 Acq: 17 May 2016 18:34

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216MS

Tot Ion:178 Resp: 1233138
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.6 23.4
 179 16.1 12.7 19.1

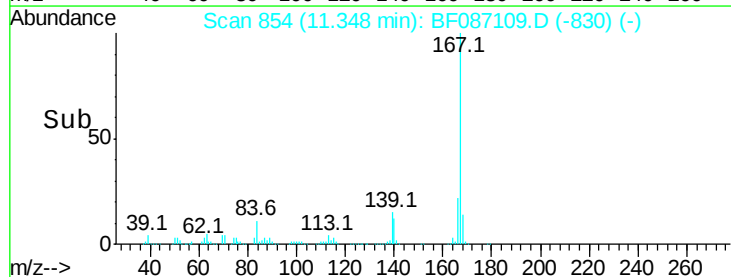
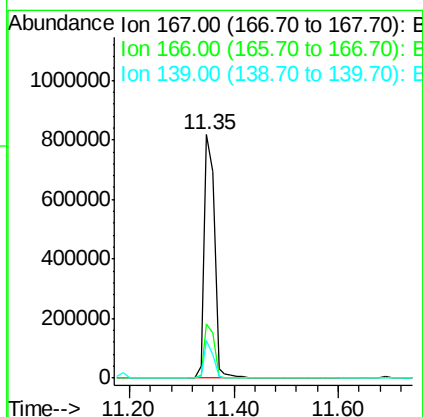
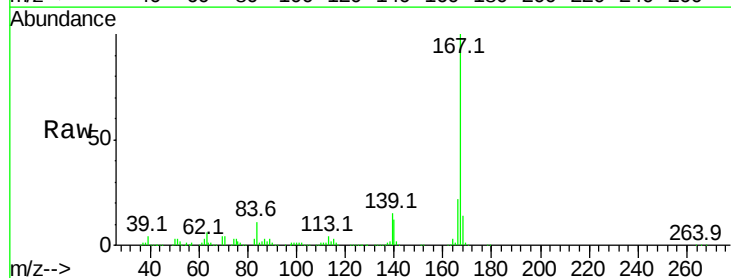
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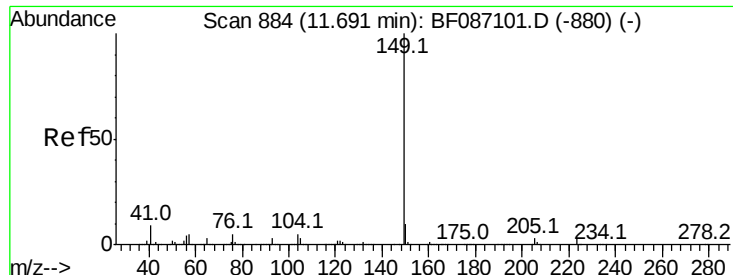
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#72
 Carbazole
 Concen: 42.63 ng
 RT: 11.35 min Scan# 854
 Delta R.T. -0.02 min
 Lab File: BF087109.D
 Acq: 17 May 2016 18:34

Tgt Ion:167 Resp: 1120673
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.7 26.5
 139 15.4 10.8 16.2





#73

Di-n-butylphthalate

Concen: 50.67 ng

RT: 11.69 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Instrument :

BNA_F

ClientSampleId :

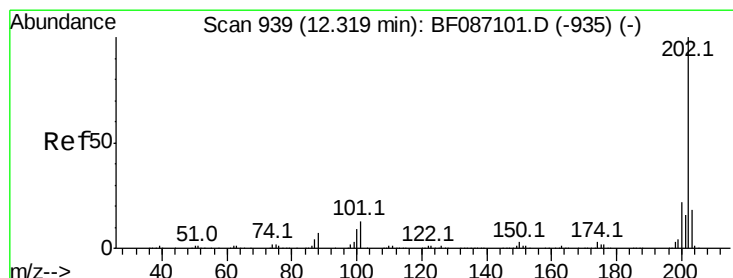
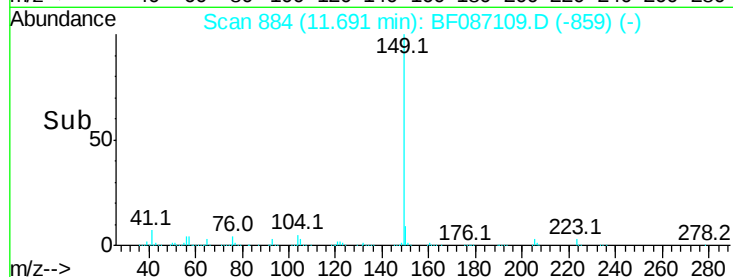
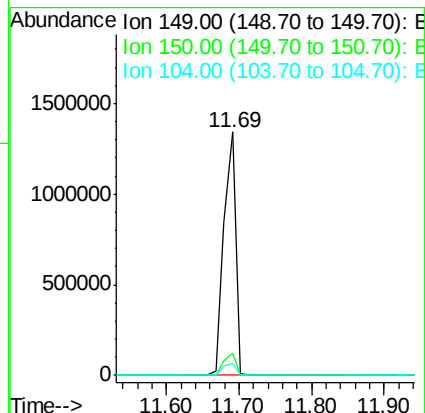
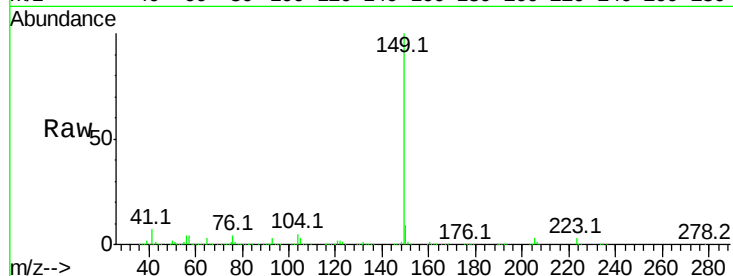
HSR-WC-44-051216MS

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Tot Ion:149	Resp: 1530035
Ion Ratio	Lower Upper
149 100	
150 9.2	7.6 11.4
104 4.8	3.8 5.6



#74

Fluoranthene

Concen: 47.43 ng

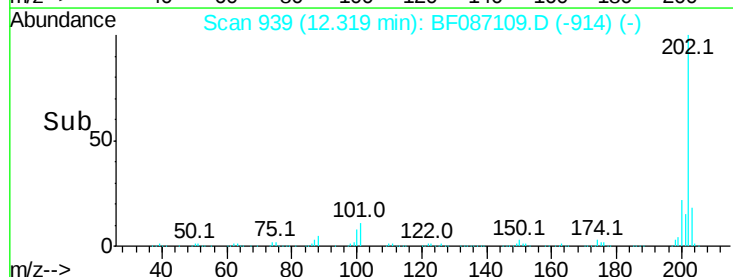
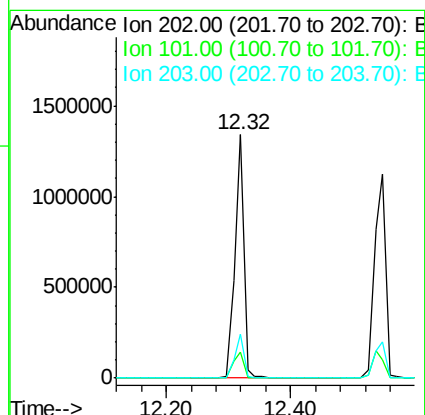
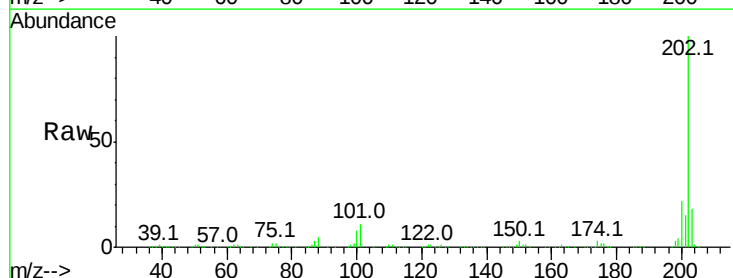
RT: 12.32 min Scan# 939

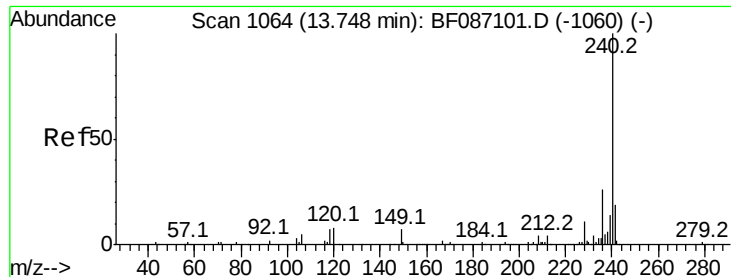
Delta R.T. -0.01 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Tgt Ion:202	Resp: 1351984
Ion Ratio	Lower Upper
202 100	
101 10.8	0.0 35.4
203 18.2	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: BF087109.D

Acq: 17 May 2016 18:34

Instrument :

BNA_F

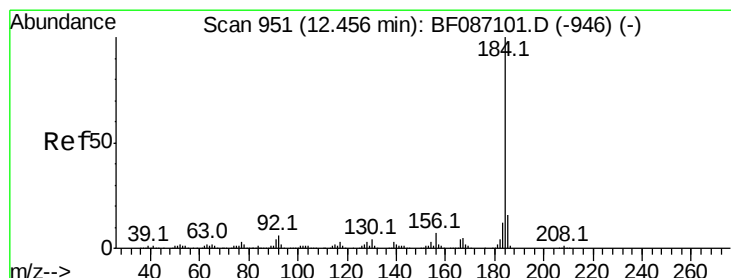
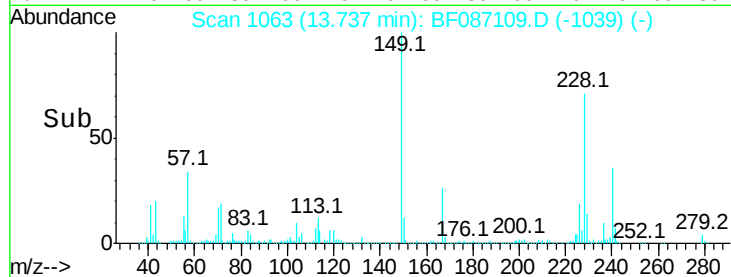
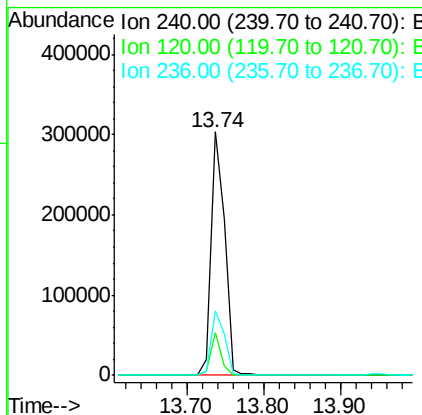
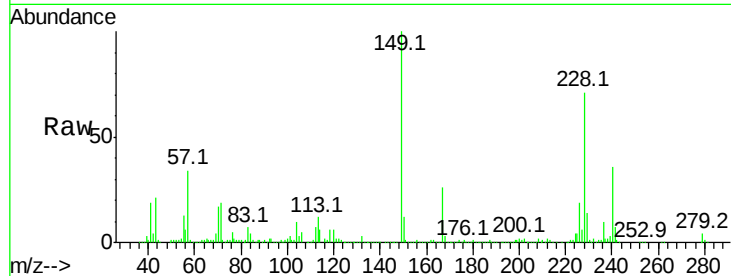
ClientSampleId :

HSR-WC-44-051216MS

Tot Ion:	240	Resp:	366148
Ion Ratio	Lower	Upper	
240	100		
120	17.7	11.2	16.8#
236	26.5	21.2	31.8

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#76

Benzidine

Concen: 4.19 ng

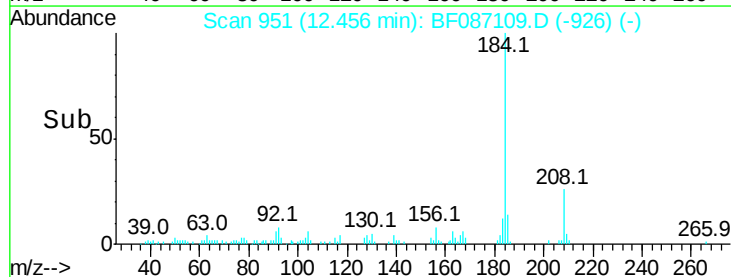
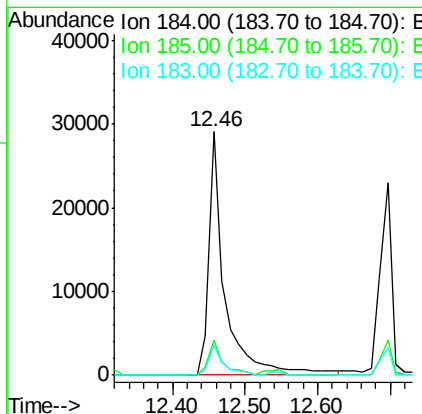
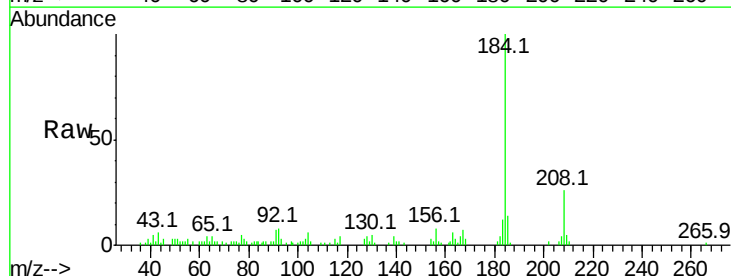
RT: 12.46 min Scan# 951

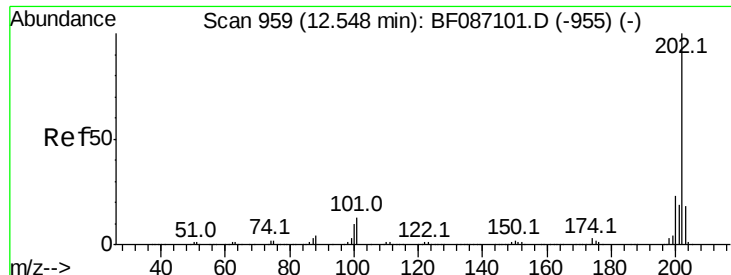
Delta R.T. -0.01 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Tgt Ion:	184	Resp:	44750
Ion Ratio	Lower	Upper	
184	100		
185	14.5	13.6	20.4
183	12.1	9.8	14.6





#77

Pvrene

Concen: 52.42 ng

RT: 12.55 min Scan# 959

Delta R.T. -0.01 min

Lab File: BF087109.D

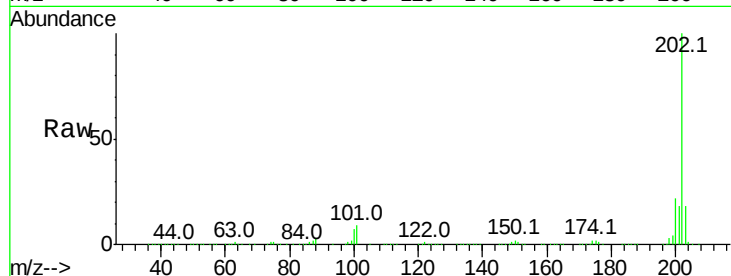
Acq: 17 May 2016 18:34

Instrument :

BNA_F

ClientSampleId :

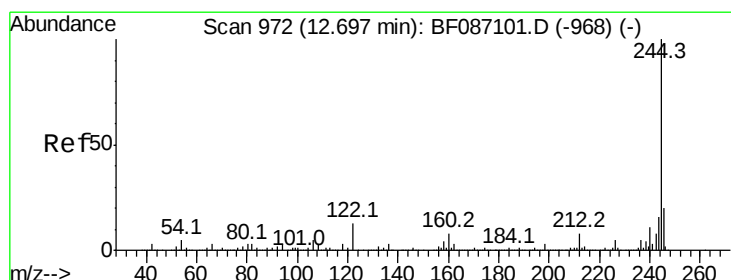
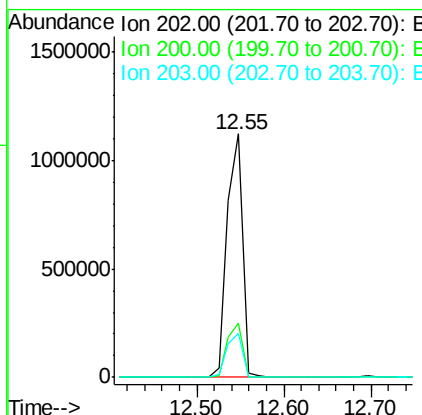
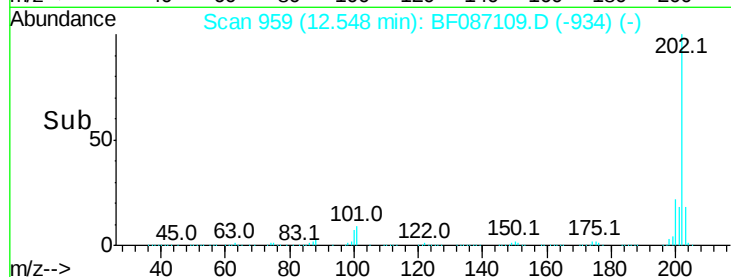
HSR-WC-44-051216MS



Tot Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.7	26.5
203	17.8	14.2	21.4

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#78

Terphenyl-d14

Concen: 97.49 ng

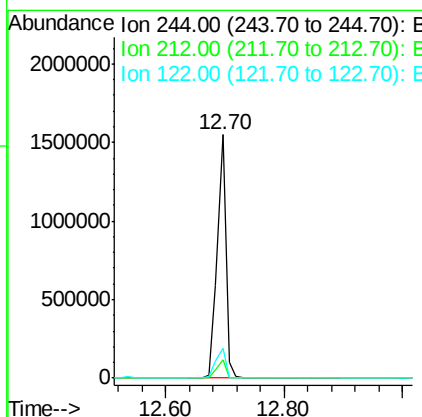
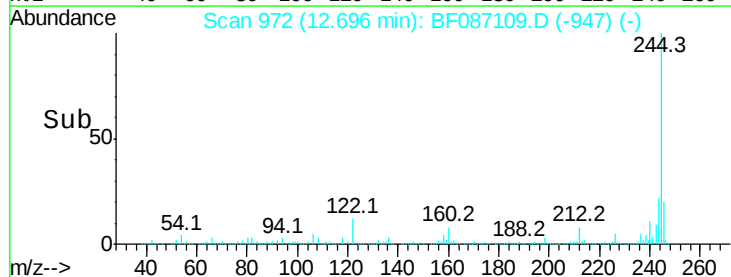
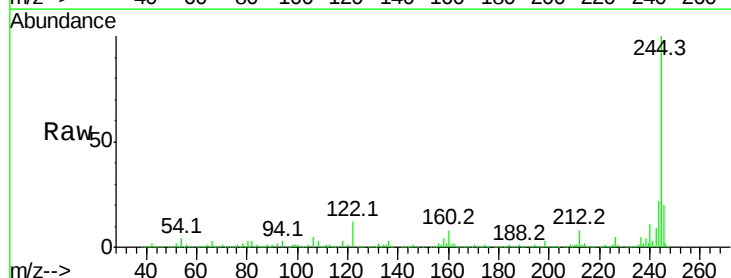
RT: 12.70 min Scan# 972

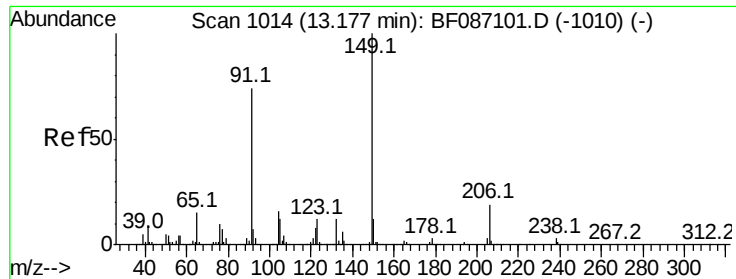
Delta R.T. -0.01 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.2
122	12.4	12.0	18.0





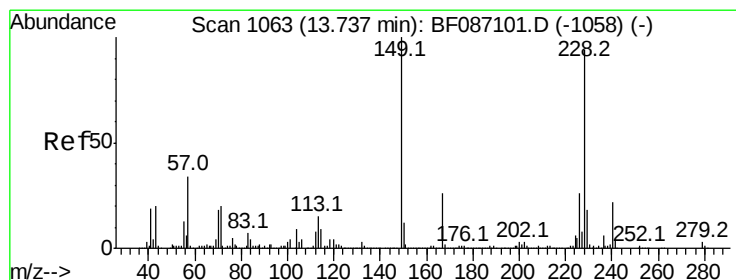
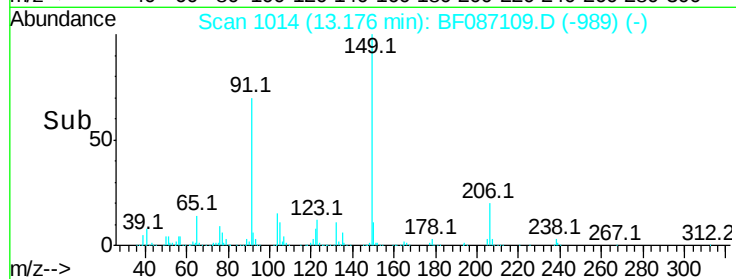
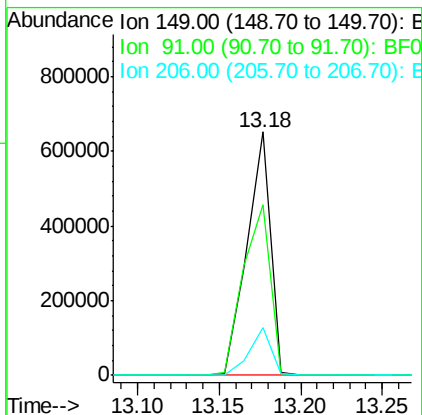
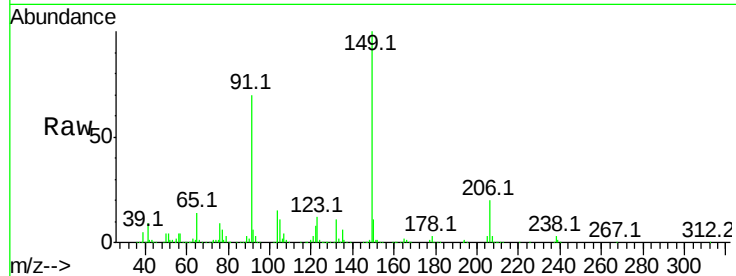
#79
Butylbenzylphthalate
Concen: 58.60 ng
RT: 13.18 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BF087109.D
Acq: 17 May 2016 18:34

Instrument :
BNA_F
ClientSampleId :
HSR-WC-44-051216MS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	654384		
91	70.1	48.0	72.0	
206	19.8	15.8	23.6	

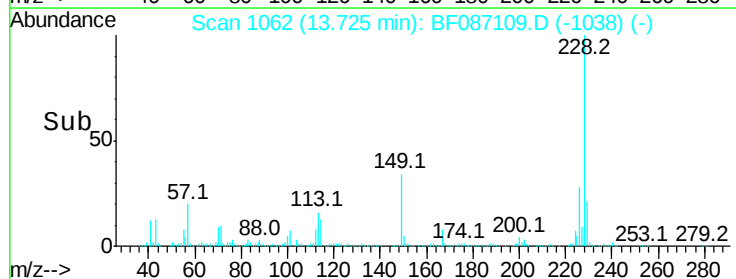
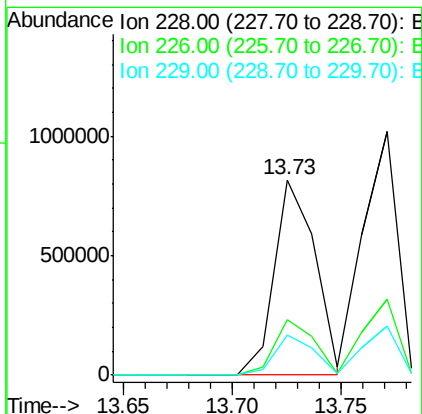
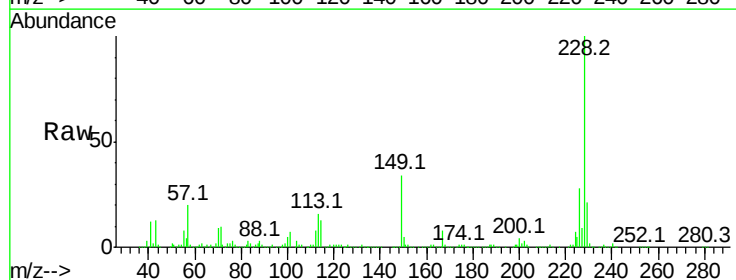
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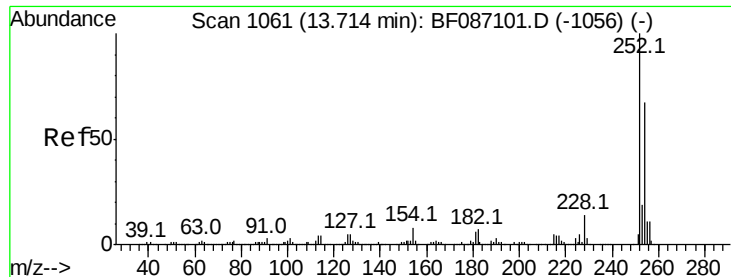
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#80
Benzo(a)anthracene
Concen: 50.71 ng
RT: 13.73 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BF087109.D
Acq: 17 May 2016 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1073644		
226	28.3	22.5	33.7	
229	20.6	16.6	25.0	





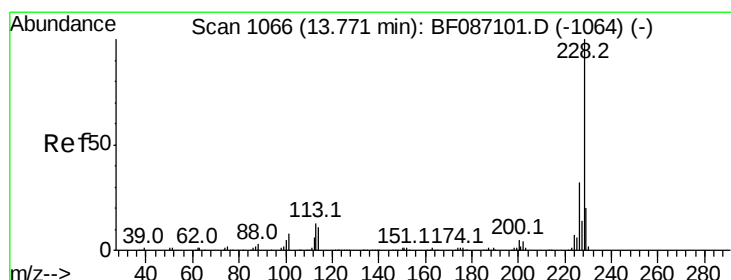
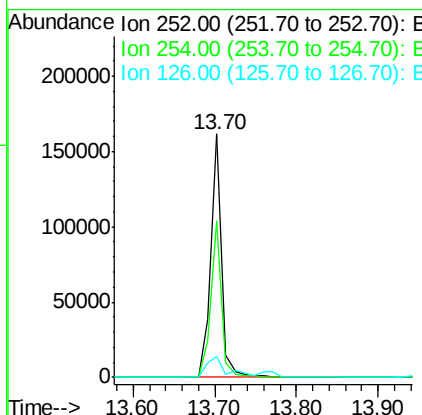
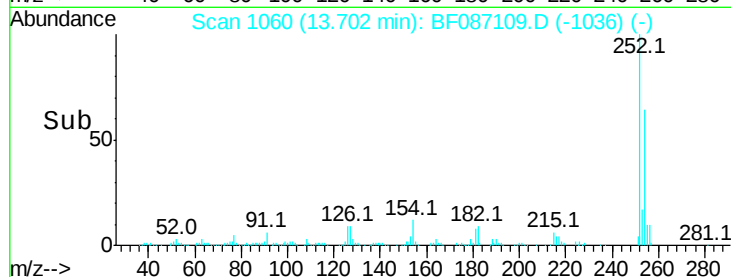
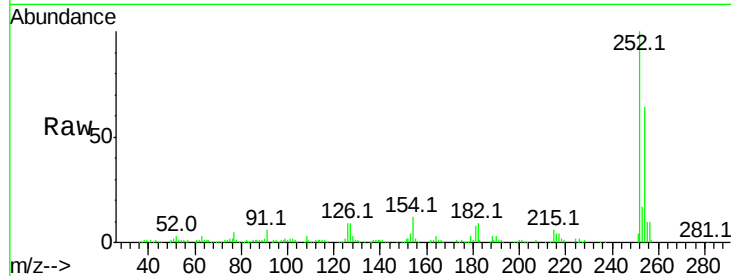
#81
 3,3'-Dichlorobenzidine
 Concen: 11.48 ng
 RT: 13.70 min Scan# 1060
 Delta R.T. -0.02 min
 Lab File: BF087109.D
 Acq: 17 May 2016 18:34

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216MS

Tot Ion	Ratio	Lower	Upper
252	100		
254	64.3	50.7	76.1
126	8.8	12.7	19.1

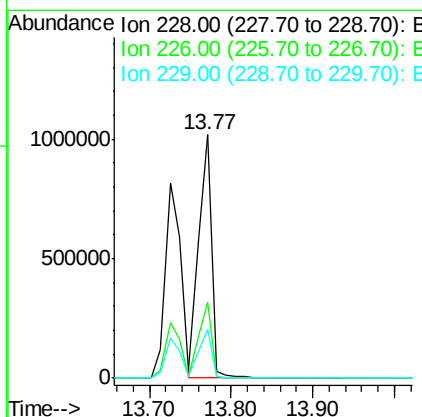
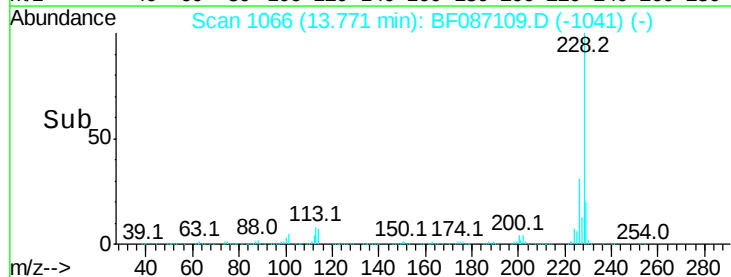
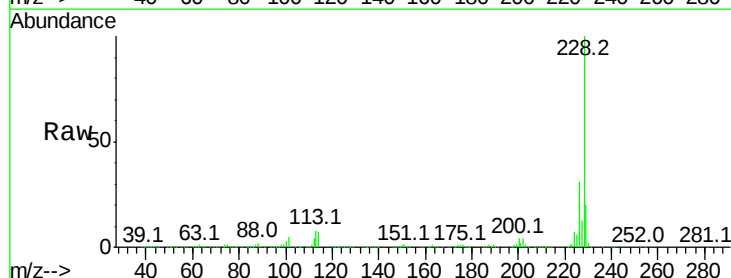
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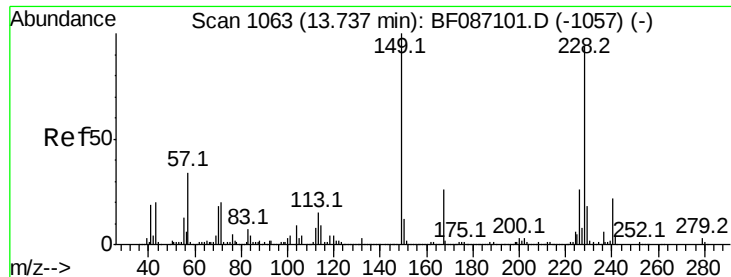
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#82
 Chrysene
 Concen: 55.81 ng
 RT: 13.77 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: BF087109.D
 Acq: 17 May 2016 18:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.4	36.6
229	19.9	15.8	23.8





#83

Bis(2-ethylhexyl)phthalate

Concen: 58.43 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.01 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Instrument :

BNA_F

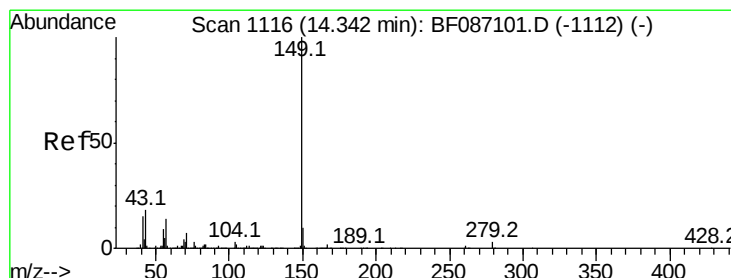
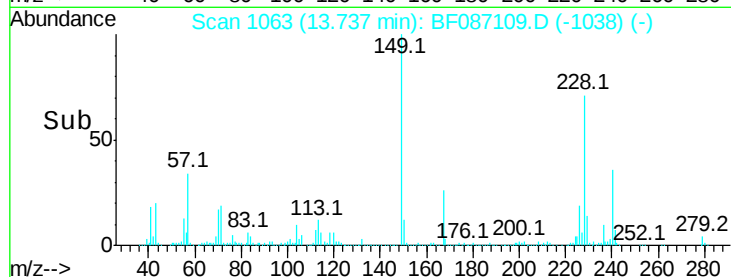
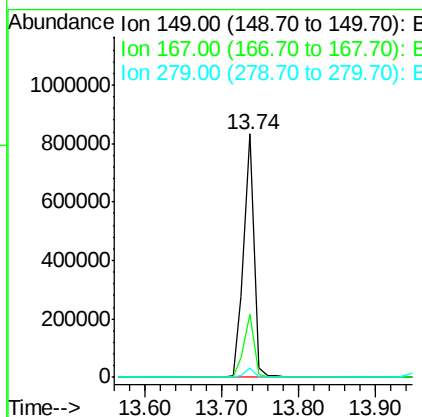
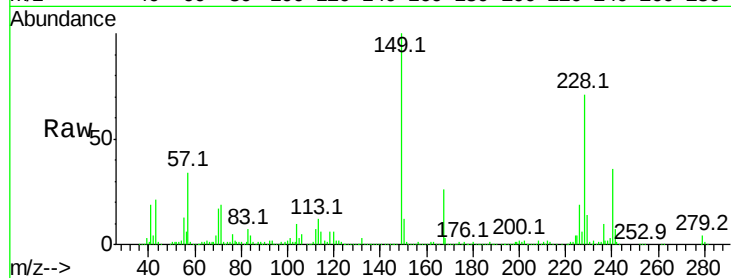
ClientSampleId :

HSR-WC-44-051216MS

Tot Ion:	149	Resp:	794095
Ion Ratio	Lower	Upper	
149	100		
167	26.2	21.8	32.6
279	3.6	2.6	4.0

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#84

Di-n-octyl phthalate

Concen: 57.67 ng

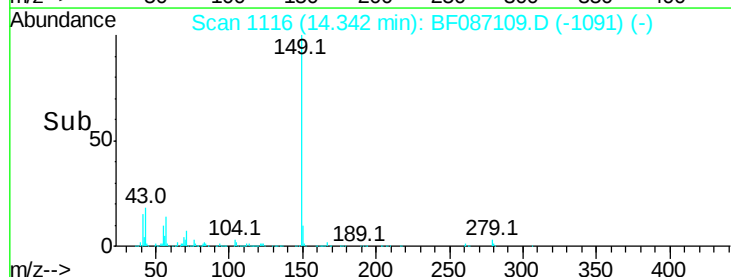
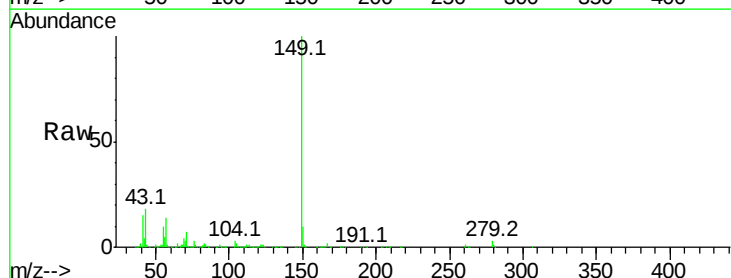
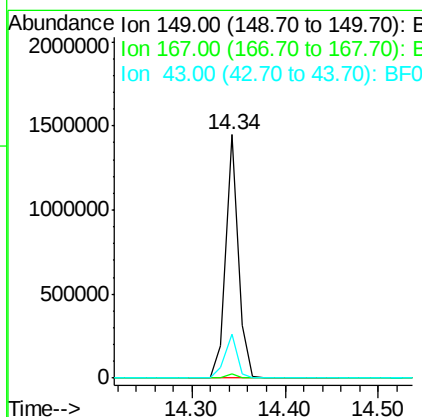
RT: 14.34 min Scan# 1116

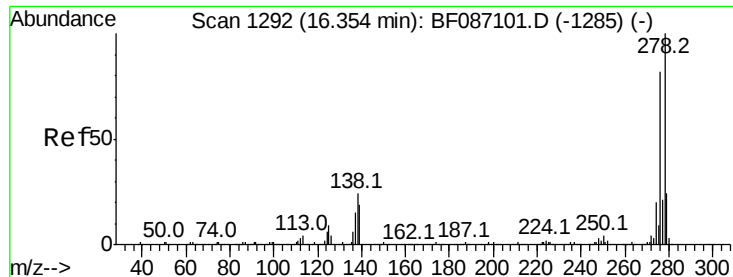
Delta R.T. -0.01 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Tgt Ion:	149	Resp:	1350123
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.2	1.8
43	17.7	8.2	12.4#





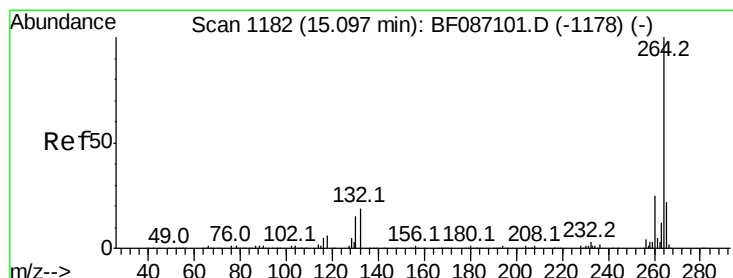
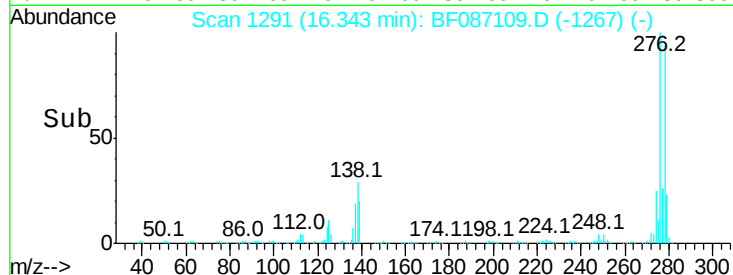
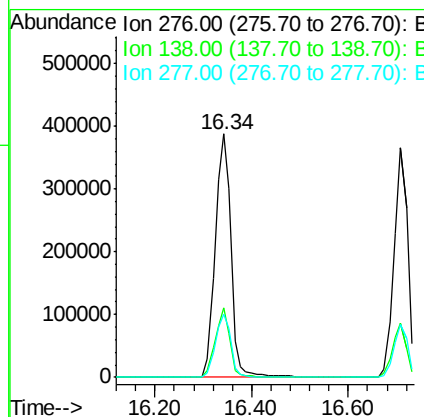
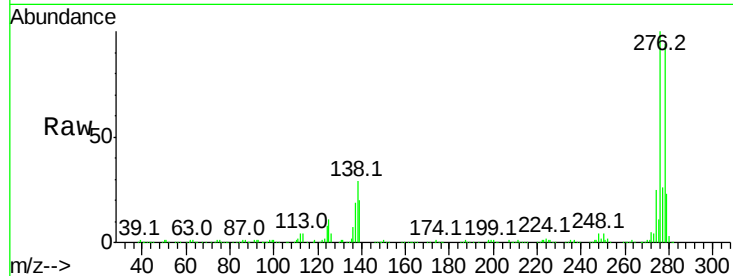
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 49.97 ng
 RT: 16.34 min Scan# 1291
 Delta R.T. -0.02 min
 Lab File: BF087109.D
 Acq: 17 May 2016 18:34

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216MS

Tot Ion	Ratio	Resp	Lower	Upper
276	100	898512		
138	26.9	25.6	38.4	
277	25.4	20.5	30.7	

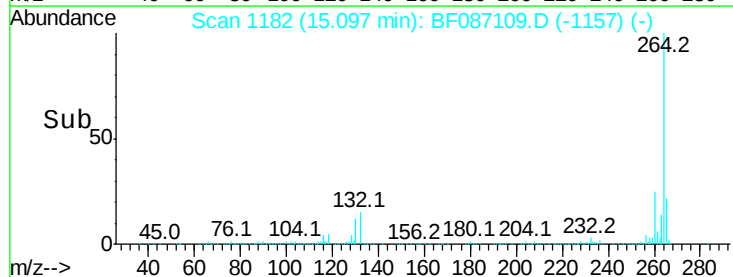
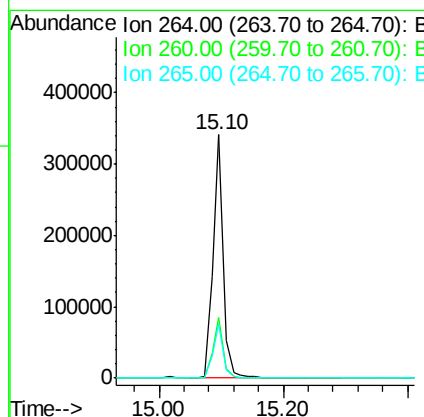
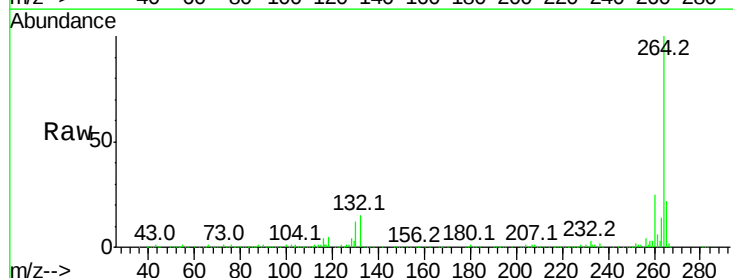
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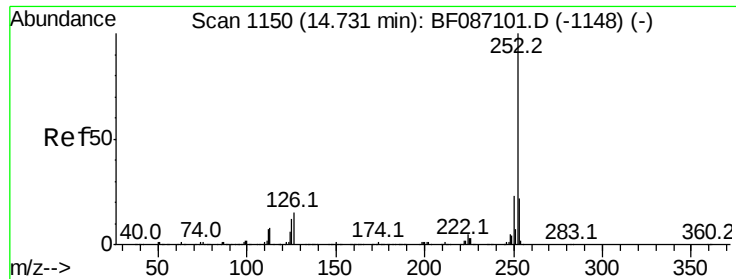
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.10 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF087109.D
 Acq: 17 May 2016 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	385996		
260	25.0	19.5	29.3	
265	22.1	17.3	25.9	





#87

Benzo(b)fluoranthene

Concen: 41.03 ng m

RT: 14.73 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216MS

Tot Ion:252 Resp: 1050639

Ion Ratio Lower Upper

252 100

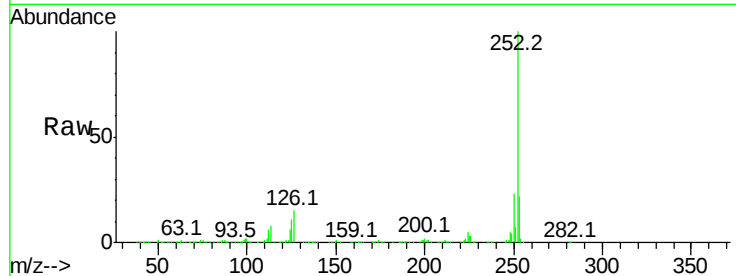
253 22.3 17.8 26.6

125 11.0 11.4 17.0#

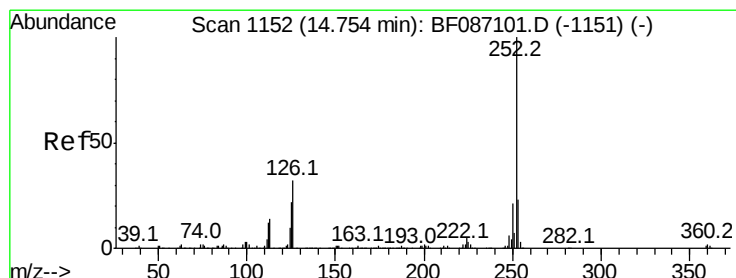
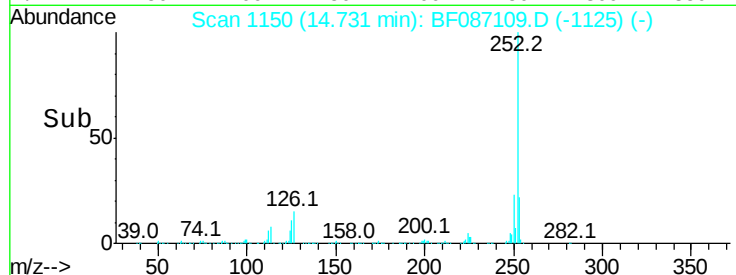
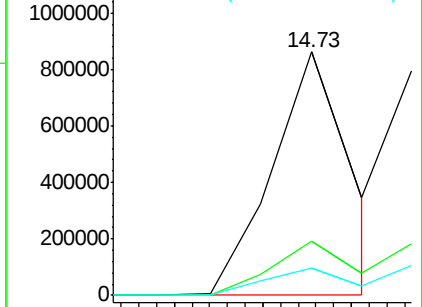
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 49.62 ng m

RT: 14.75 min Scan# 1152

Delta R.T. -0.02 min

Lab File: BF087109.D

Acq: 17 May 2016 18:34

Tgt Ion:252 Resp: 945877

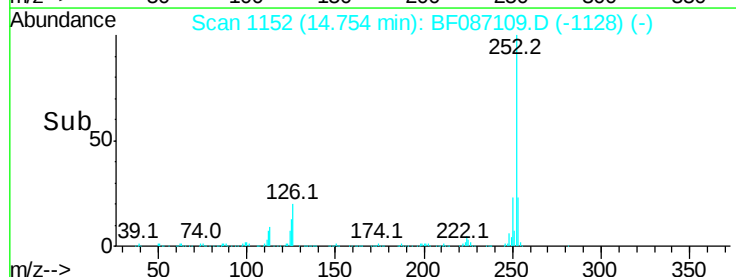
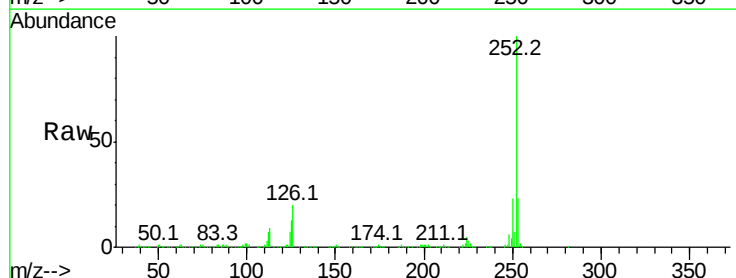
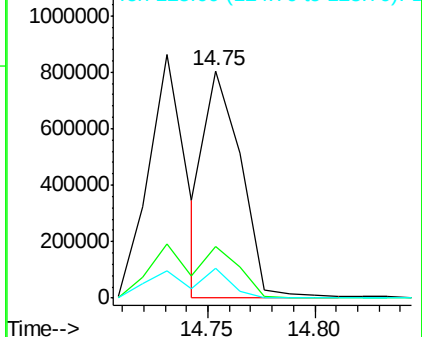
Ion Ratio Lower Upper

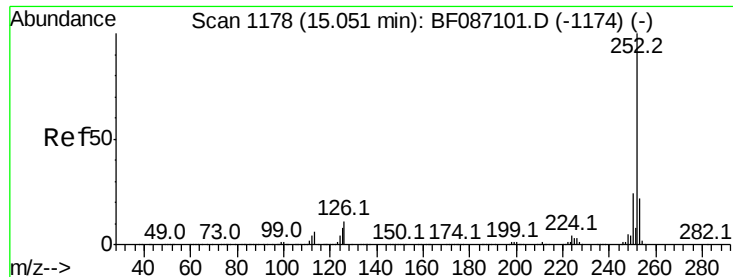
252 100

253 22.9 17.8 26.6

125 13.1 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





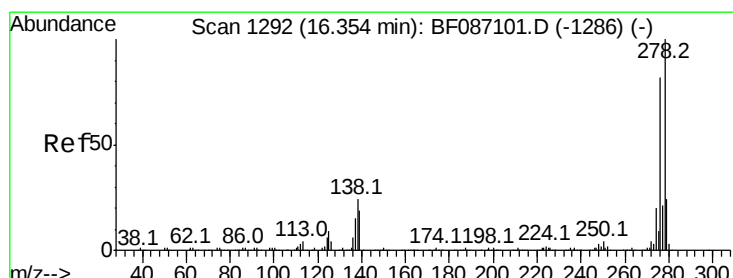
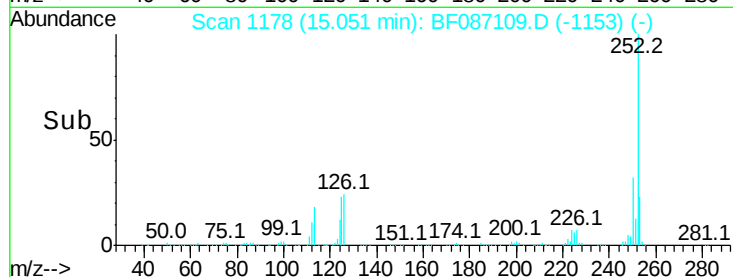
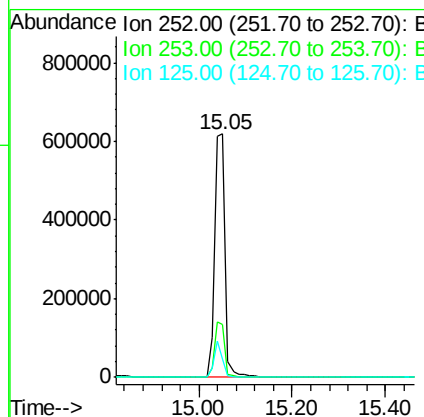
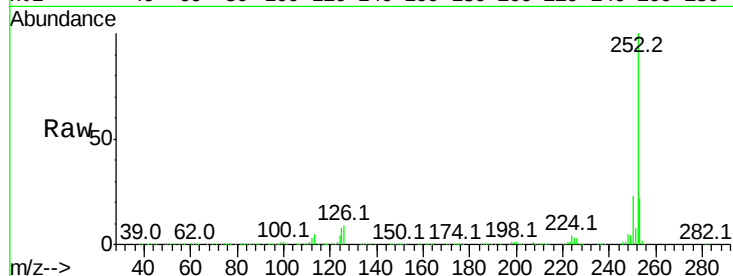
#89
Benzo(a)pyrene
Concen: 45.30 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF087109.D
Acq: 17 May 2016 18:34

Instrument :
BNA_F
ClientSampleId :
HSR-WC-44-051216MS

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	21.9	17.2	25.8
125	7.6	9.0	13.6

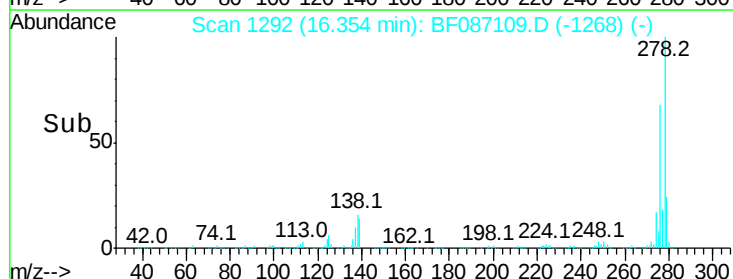
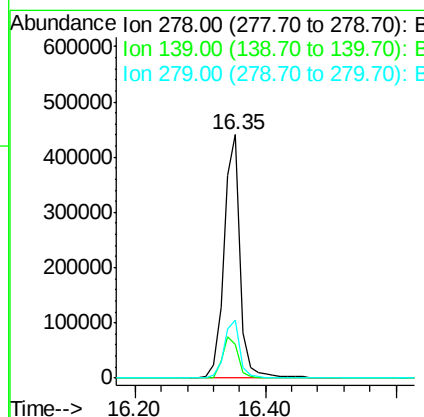
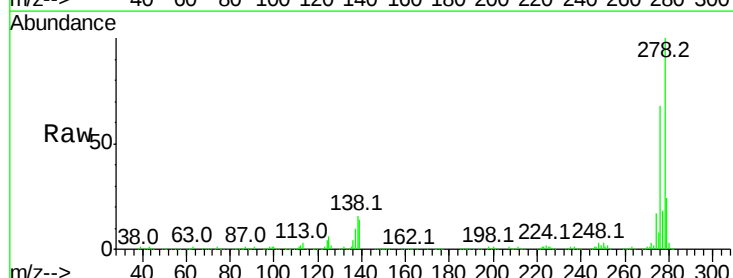
Manual Integrations
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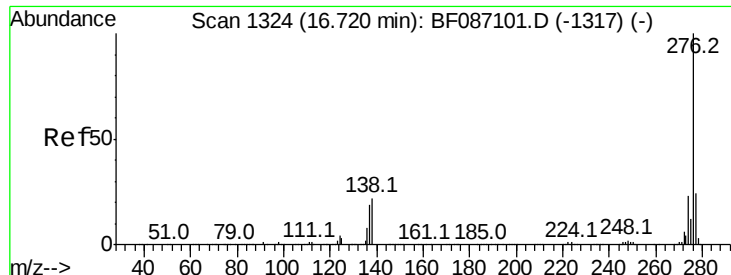
sohil
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#90
Dibenzo(a,h)anthracene
Concen: 42.02 ng
RT: 16.35 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF087109.D
Acq: 17 May 2016 18:34

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	13.6	16.6	24.8
279	23.9	19.6	29.4





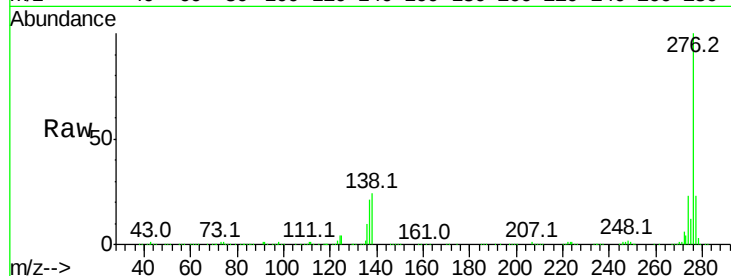
#91
 Benzo(a,h,i)perylene
 Concen: 40.36 ng
 RT: 16.71 min Scan# 1323
 Delta R.T. -0.03 min
 Lab File: BF087109.D
 Acq: 17 May 2016 18:34

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216MS

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	23.1	19.6	29.4
138	23.7	23.6	35.4

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

