

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050616\
 Data File : BF086748.D
 Acq On : 7 May 2016 2:47
 Operator : UM/SJ
 Sample : PB90223BS
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB90223BS

Manual Integrations
 APPROVED

Sohil
 5/9/2016 7:17:20 PM

Quant Time: May 07 04:29:00 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 07 03:18:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	170826	40.00	ng	0.00
21) Naphthalene-d8	8.00	136	711216	40.00	ng	0.00
38) Acenaphthene-d10	9.74	164	337278	40.00	ng	0.00
63) Phenanthrene-d10	11.22	188	584901	40.00	ng	-0.01
75) Chrysene-d12	13.86	240	376982	40.00	ng	0.00
86) Perylene-d12	15.23	264	333856	40.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	1170248	113.41	ng	0.00
7) Phenol-d6	6.37	99	1582494	113.85	ng	-0.01
23) Nitrobenzene-d5	7.28	82	1155818	83.51	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	423897	128.48	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	1782586	86.64	ng	-0.01
78) Terphenyl-d14	12.81	244	1534030	82.24	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.32	88	146538	27.48	ng	# 69
3) Pyridine	3.05	79	450601	34.46	ng	# 65
4) n-Nitrosodimethylamine	2.94	42	318067	40.10	ng	# 49
6) Aniline	6.38	93	377191	21.99	ng	# 1
8) 2-Chlorophenol	6.50	128	475245	38.38	ng	89
9) Benzaldehyde	6.26	77	62550	9.02	ng	97
10) Phenol	6.38	94	504137	33.15	ng	# 46
11) bis(2-Chloroethyl)ether	6.45	93	444129	33.93	ng	85
12) 1,3-Dichlorobenzene	6.65	146	497350	37.83	ng	98
13) 1,4-Dichlorobenzene	6.73	146	503281	37.02	ng	99
14) 1,2-Dichlorobenzene	6.88	146	446424	37.71	ng	97
15) Benzyl Alcohol	6.86	79	407930	45.36	ng	# 84
16) 2,2'-oxybis(1-Chloropropan	7.00	45	993434	37.12	ng	98
17) 2-Methylphenol	6.99	107	391877	39.30	ng	# 82
18) Hexachloroethane	7.22	117	198704	38.71	ng	# 86
19) n-Nitroso-di-n-propylamine	7.14	70	366020	38.54	ng	# 68
20) 3+4-Methylphenols	7.15	107	518785	44.44	ng	# 60
22) Acetophenone	7.13	105	679158	40.98	ng	# 98
24) Nitrobenzene	7.30	77	538150	37.61	ng	98
25) Isophorone	7.55	82	1012061	39.27	ng	96
26) 2-Nitrophenol	7.62	139	269302	42.18	ng	# 88
27) 2,4-Dimethylphenol	7.68	122	430844	38.43	ng	96
28) bis(2-Chloroethoxy)methane	7.76	93	602939	42.50	ng	98
29) 2,4-Dichlorophenol	7.87	162	408329	42.36	ng	92
30) 1,2,4-Trichlorobenzene	7.94	180	437849	40.72	ng	98
31) Naphthalene	8.02	128	1460580	40.20	ng	99
32) Benzoic acid	7.82	122	272303	59.76	ng	# 83
33) 4-Chloroaniline	8.08	127	167624	11.91	ng	# 94
34) Hexachlorobutadiene	8.13	225	242924	39.79	ng	99
35) Caprolactam	8.48	113	135421m	45.39	ng	
36) 4-Chloro-3-methylphenol	8.58	107	441100	40.11	ng	92
37) 2-Methylnaphthalene	8.70	142	884786m	41.27	ng	
39) 1,2,4,5-Tetrachlorobenzene	8.88	216	395708	40.53	ng	97
40) Hexachlorocyclopentadiene	8.85	237	455279	99.55	ng	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.99	196	274081	44.15	ng	97
43) 2,4,5-Trichlorophenol	9.05	196	297937	45.94	ng	96
45) 1,1'-Biphenyl	9.17	154	1161735	42.13	ng	97
46) 2-Chloronaphthalene	9.20	162	878579	41.29	ng	95
47) 2-Nitroaniline	9.30	65	293506	38.80	ng	# 72
48) Acenaphthylene	9.61	152	1242911	39.35	ng	99
49) Dimethylphthalate	9.48	163	984022	39.14	ng	99
50) 2,6-Dinitrotoluene	9.55	165	222788	41.29	ng	# 67
51) Acenaphthene	9.78	154	818962	39.30	ng	99
52) 3-Nitroaniline	9.72	138	110553	18.02	ng	95
53) 2,4-Dinitrophenol	9.82	184	206572	87.70	ng	92
54) Dibenzofuran	9.95	168	1040835	40.30	ng	93
55) 4-Nitrophenol	9.90	139	273832	76.57	ng	# 50
56) 2,4-Dinitrotoluene	9.95	165	284155	42.49	ng	# 87
57) Fluorene	10.29	166	900149	43.00	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.08	232	234260	49.18	ng	96
59) Diethylphthalate	10.18	149	924167	38.83	ng	99
60) 4-Chlorophenyl-phenylether	10.28	204	397537	39.95	ng	96
61) 4-Nitroaniline	10.34	138	226599	38.45	ng	# 80
62) Azobenzene	10.44	77	1105978	41.94	ng	84
64) 4,6-Dinitro-2-methylphenol	10.35	198	141354	47.86	ng	# 22
65) n-Nitrosodiphenylamine	10.41	169	746571	40.20	ng	99
66) 4-Bromophenyl-phenylether	10.77	248	249953	43.00	ng	99
67) Hexachlorobenzene	10.83	284	290365	40.96	ng	# 63
68) Atrazine	10.94	200	231951	40.75	ng	95
69) Pentachlorophenol	11.04	266	289128	83.76	ng	98
70) Phenanthrene	11.25	178	1353985	43.10	ng	100
71) Anthracene	11.30	178	1275692	38.78	ng	99
72) Carbazole	11.46	167	1073845	37.59	ng	98
73) Di-n-butylphthalate	11.79	149	1386046	40.87	ng	# 97
74) Fluoranthene	12.43	202	1257543	39.94	ng	97
76) Benzidine	12.57	184	309565	32.64	ng	95
77) Pyrene	12.66	202	1333476	44.37	ng	100
79) Butylbenzylphthalate	13.29	149	608184	48.31	ng	# 85
80) Benzo(a)anthracene	13.84	228	939931	44.09	ng	99
81) 3,3'-Dichlorobenzidine	13.81	252	159483	11.90	ng	# 97
82) Chrysene	13.88	228	1033202	45.42	ng	99
83) Bis(2-ethylhexyl)phthalate	13.85	149	755358	51.85	ng	98
84) Di-n-octyl phthalate	14.45	149	1264998	59.01	ng	# 84
85) Indeno(1,2,3-cd)pyrene	16.53	276	814895	41.76	ng	96
87) Benzo(b)fluoranthene	14.85	252	984573m	49.08	ng	
88) Benzo(k)fluoranthene	14.88	252	727278m	38.48	ng	
89) Benzo(a)pyrene	15.17	252	797868	43.18	ng	# 96
90) Dibenzo(a,h)anthracene	16.55	278	688916	38.81	ng	96
91) Benzo(g,h,i)perylene	16.92	276	678656	36.42	ng	# 92

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

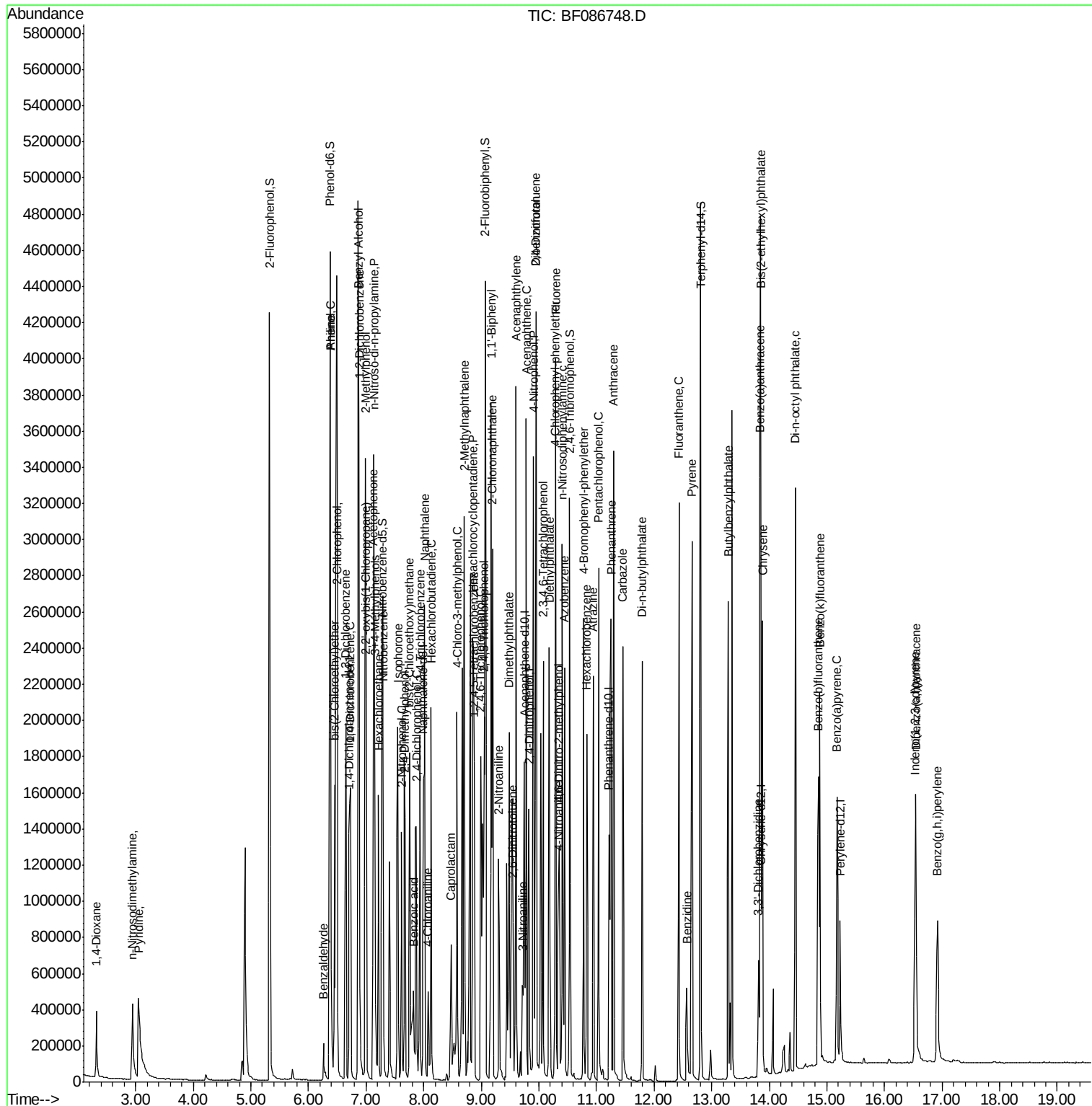
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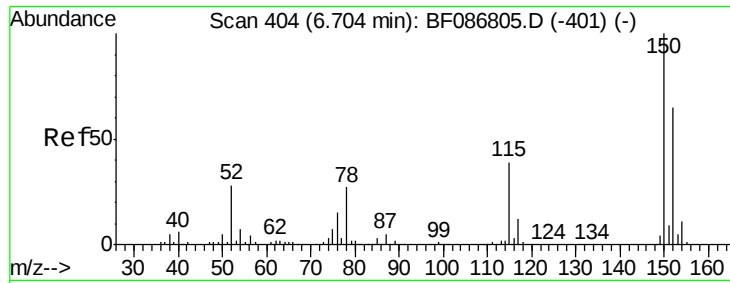
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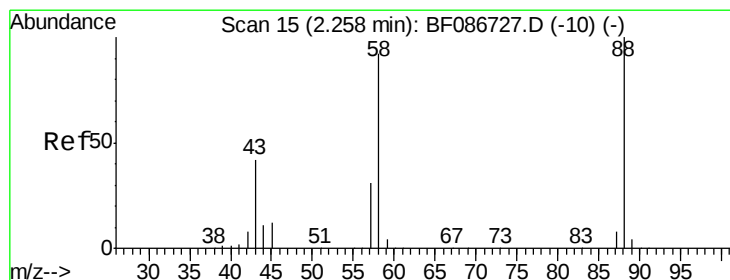
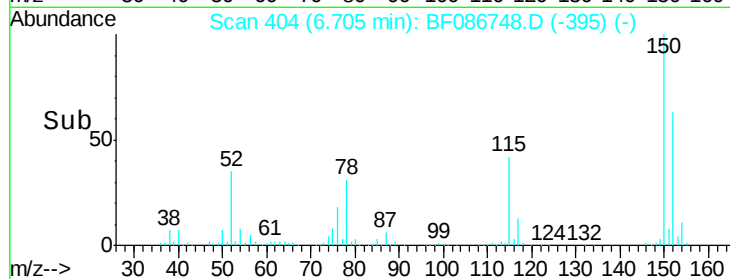
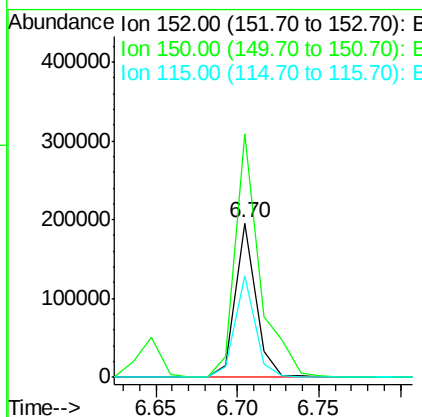
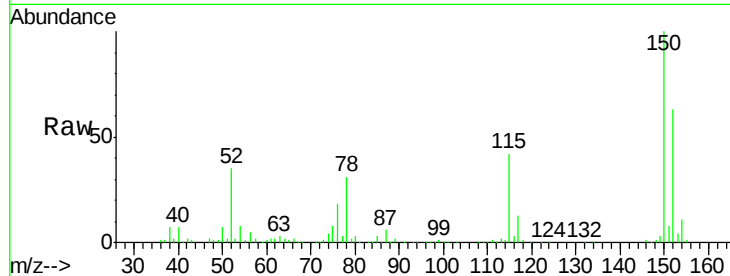
#1
 1,4-Dichlorobenzene-d4
 Concen: 40.00 ng
 RT: 6.70 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Instrument :
 BNA_F
 ClientSampleId :
 PB90223BS

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	170826		
150	157.9	125.8	188.6	
115	66.0	51.5	77.3	

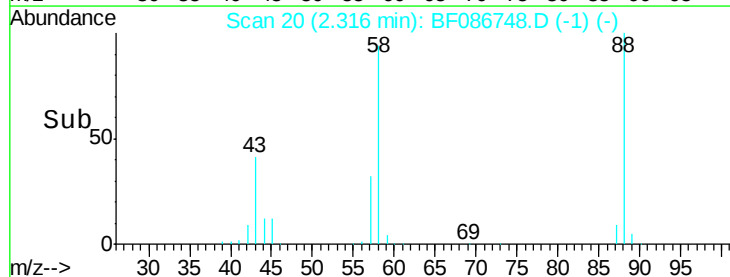
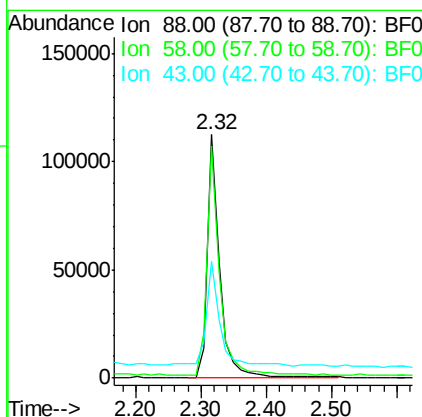
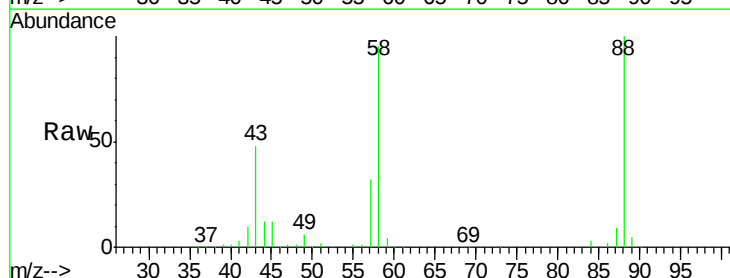
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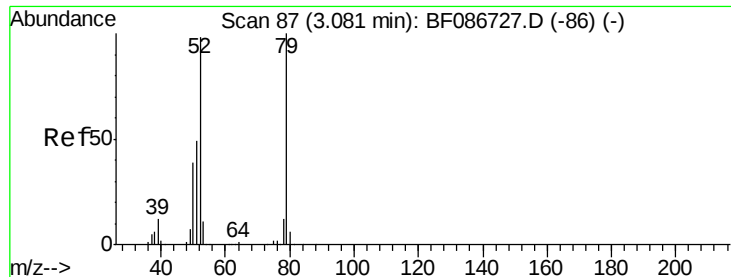
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#2
 1,4-Dioxane
 Concen: 27.48 ng
 RT: 2.32 min Scan# 20
 Delta R.T. 0.06 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	146538		
58	98.0	59.6	89.4#	
43	48.2	21.8	32.6#	





#3

Pyridine

Concen: 34.46 ng

RT: 3.05 min Scan# 84

Delta R.T. -0.03 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

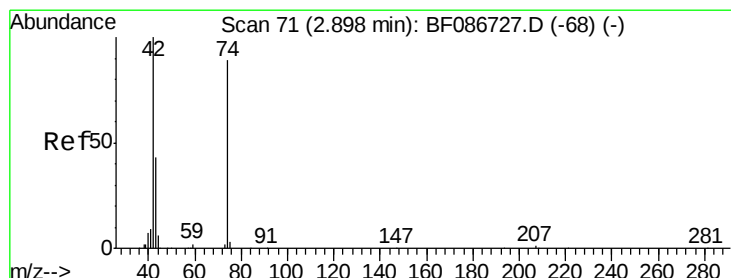
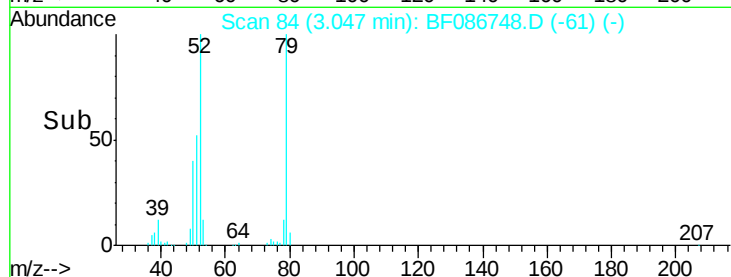
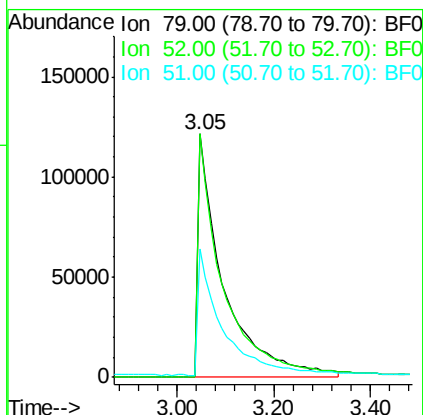
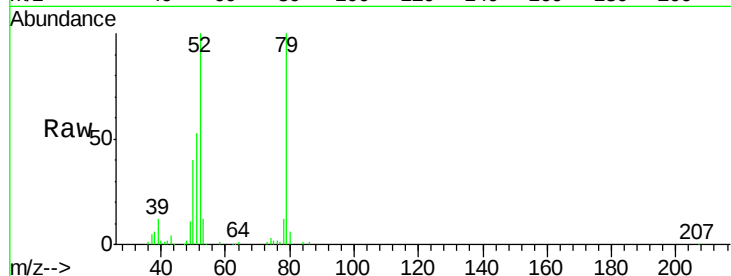
ClientSampleId :

PB90223BS

Tgt Ion	Ratio	Lower	Upper
79	100		
52	100.2	55.9	83.9#
51	52.7	28.1	42.1#

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#4

n-Nitrosodimethylamine

Concen: 40.10 ng

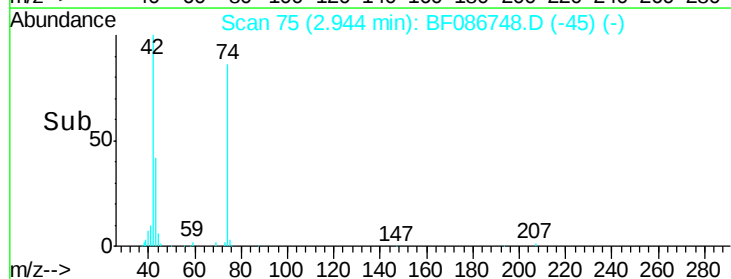
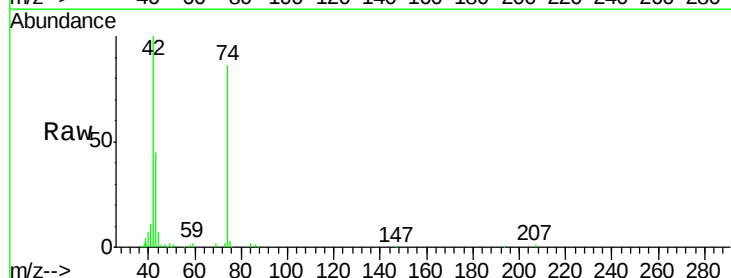
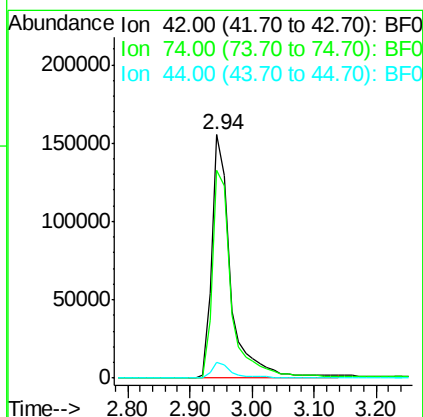
RT: 2.94 min Scan# 75

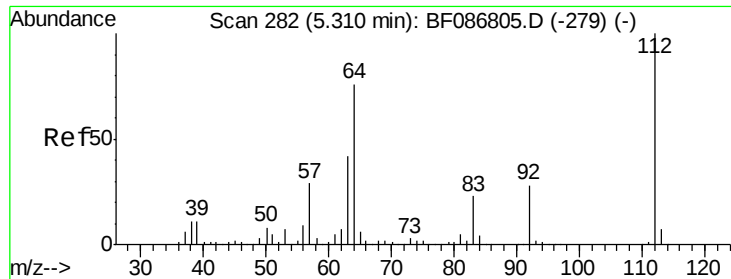
Delta R.T. 0.05 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Tgt Ion	Ratio	Lower	Upper
42	100		
74	85.6	123.4	185.0#
44	6.6	5.8	8.6





#5

2-Fluorophenol

Concen: 113.41 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: BF086748.D

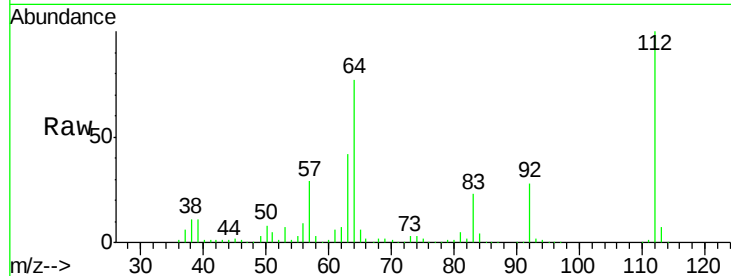
Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampleId :

PB90223BS



Tgt Ion: 112 Resp: 1170248

Ion Ratio Lower Upper

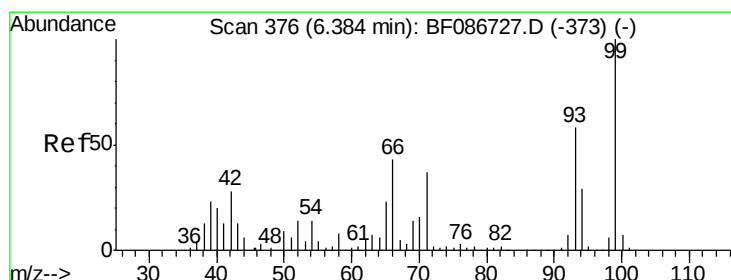
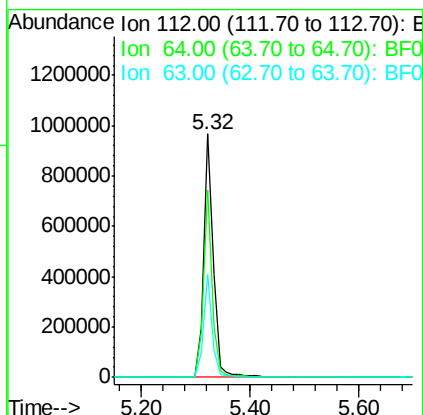
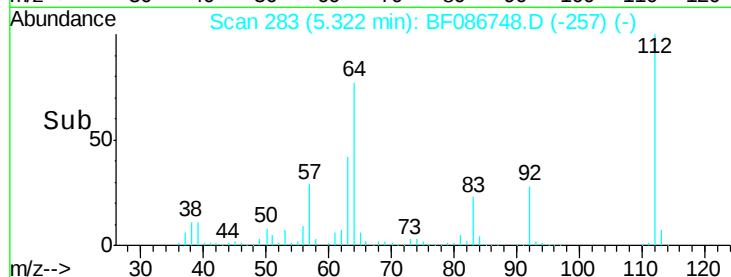
112 100

64 76.7 52.1 78.1

63 42.3 25.7 38.5#

Manual Integrations
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#6

Aniline

Concen: 21.99 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

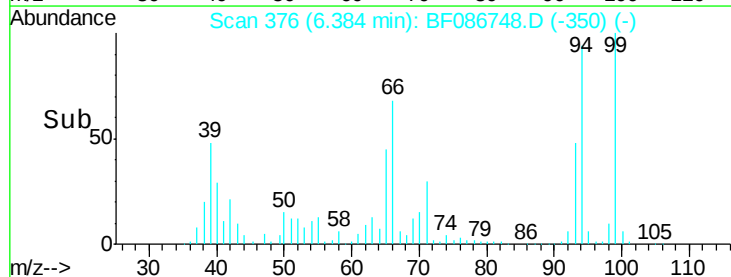
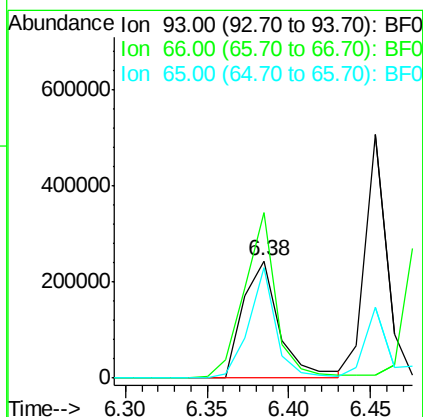
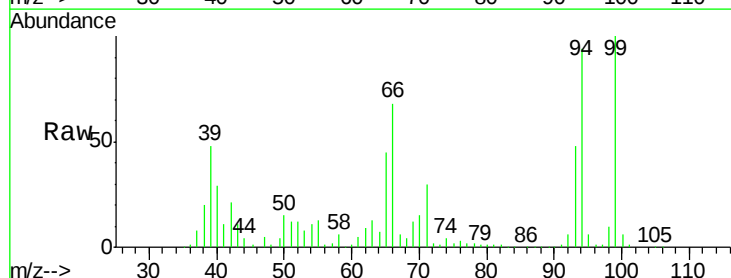
Tgt Ion: 93 Resp: 377191

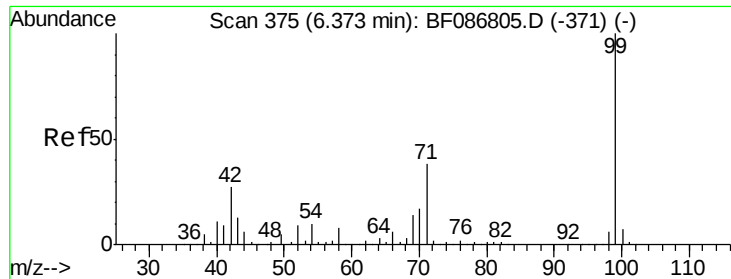
Ion Ratio Lower Upper

93 100

66 141.1 39.0 58.6#

65 93.9 20.6 31.0#





#7

Phenol-d6

Concen: 113.85 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 99 Resp: 1582494

Ion Ratio Lower Upper

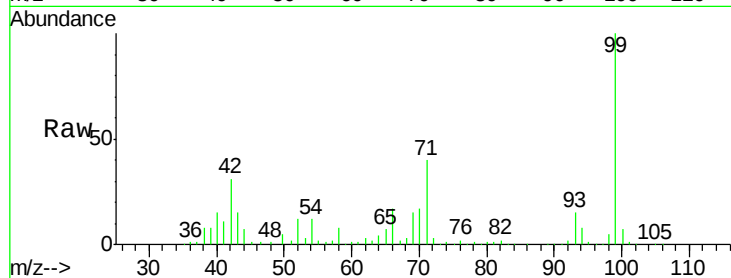
99 100

42 31.1 13.6 20.4#

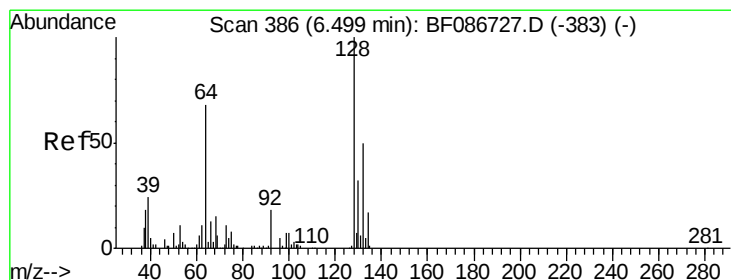
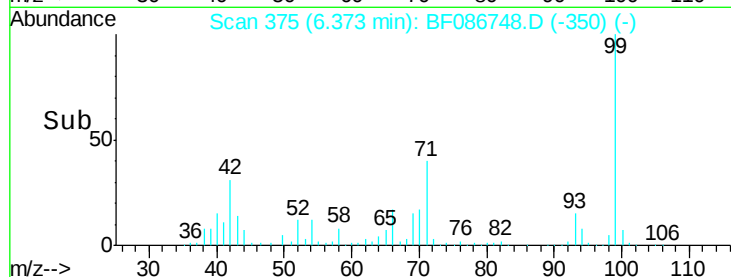
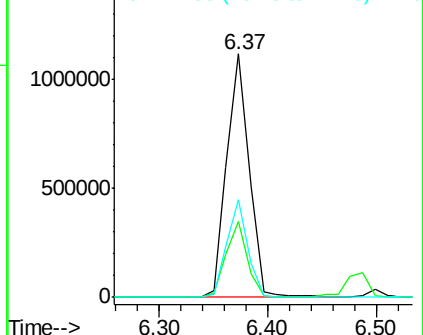
71 40.0 24.6 36.8#

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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: 38.38 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

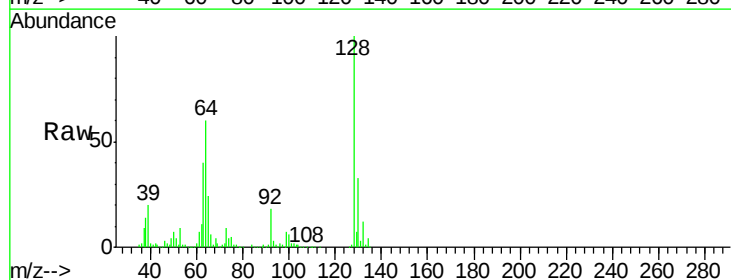
Tgt Ion: 128 Resp: 475245

Ion Ratio Lower Upper

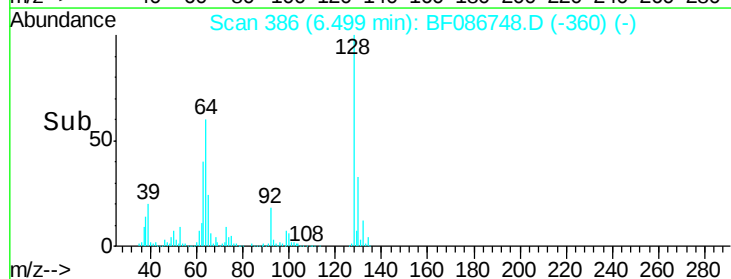
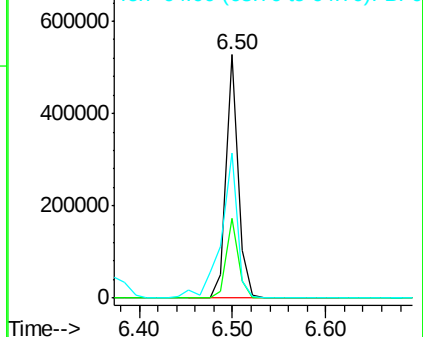
128 100

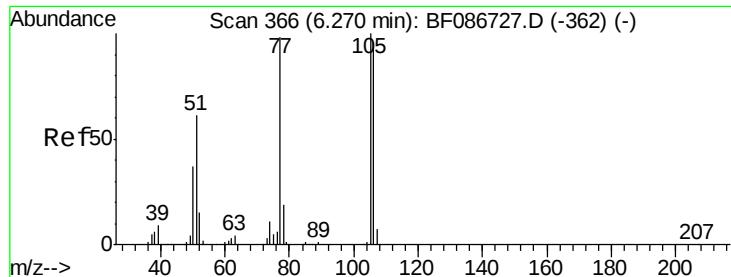
130 32.6 12.5 52.5

64 59.6 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: 9.02 ng

RT: 6.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

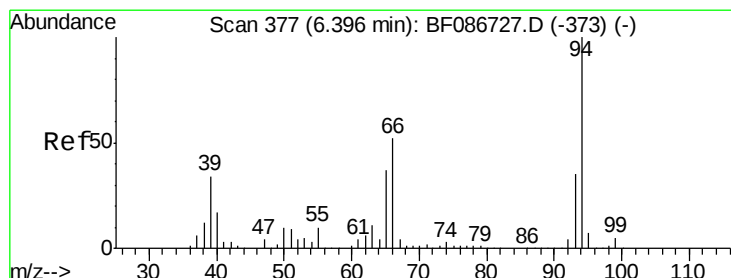
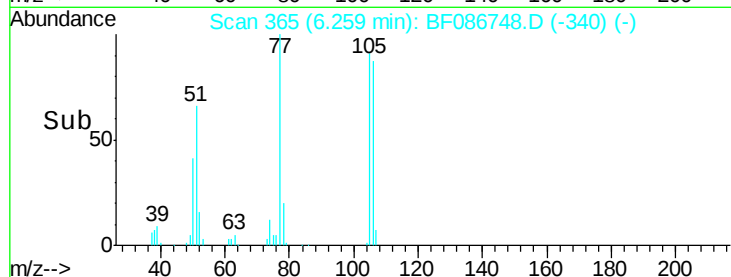
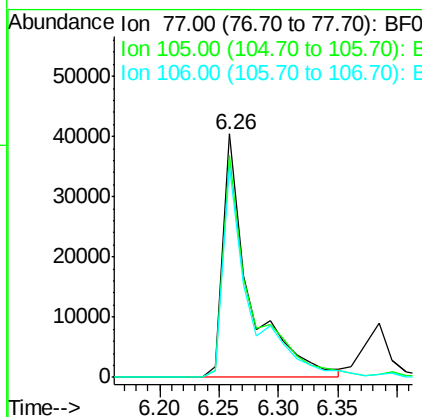
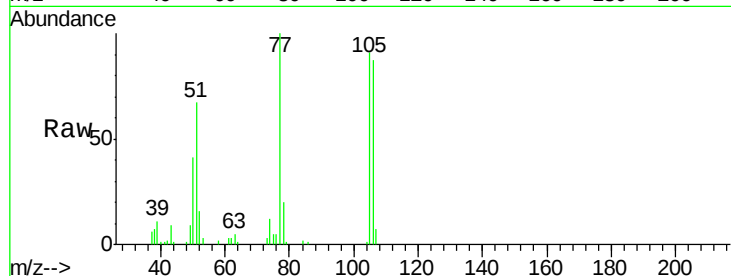
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Tgt Ion:	77	Resp:	62550
Ion	Ratio	Lower	Upper
77	100		
105	91.1	72.7	112.7
106	86.9	70.8	110.8



#10

Phenol

Concen: 33.15 ng

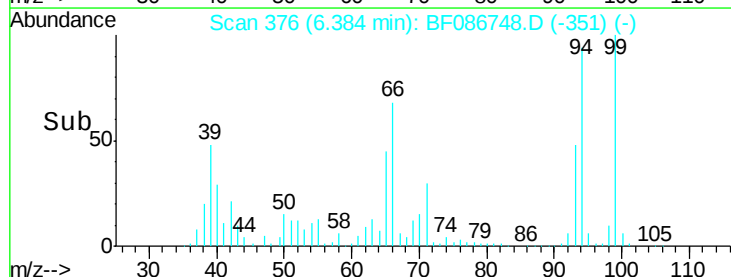
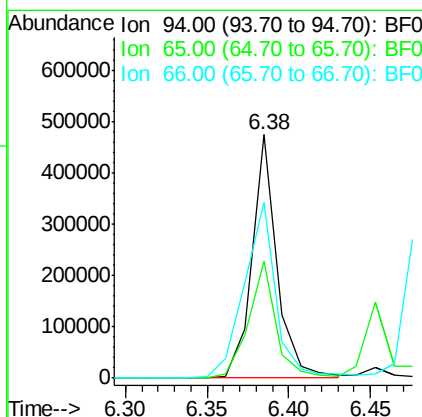
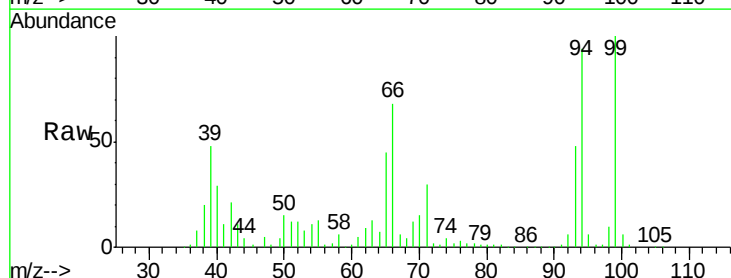
RT: 6.38 min Scan# 376

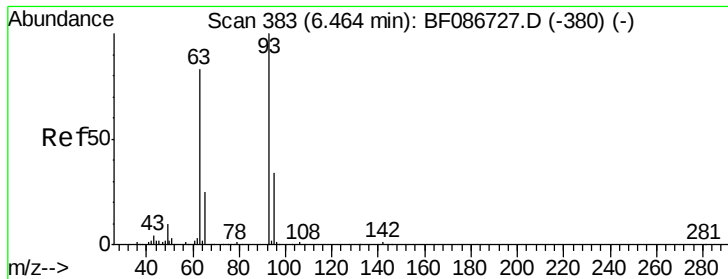
Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Tgt Ion:	94	Resp:	504137
Ion	Ratio	Lower	Upper
94	100		
65	48.1	7.2	47.2#
66	72.2	14.9	54.9#





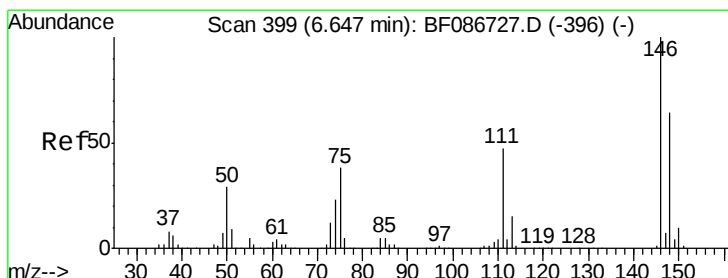
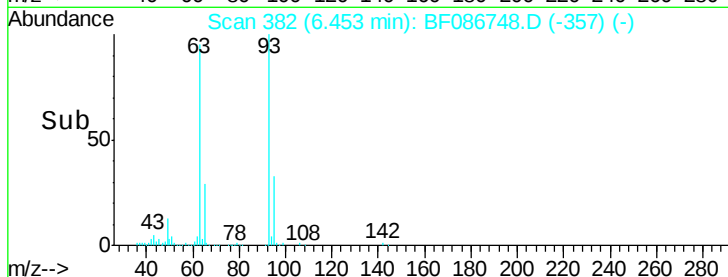
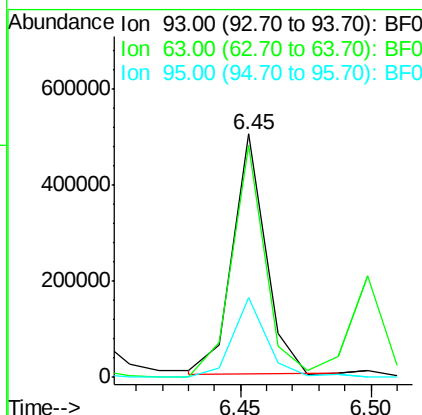
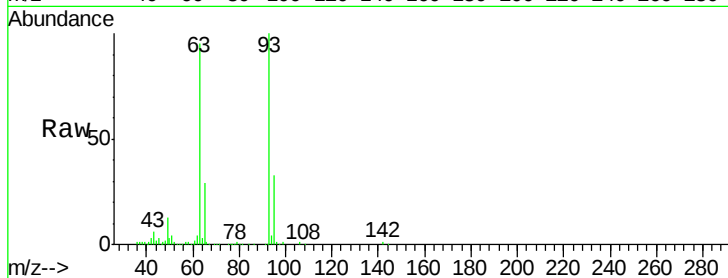
#11
bis(2-Chloroethyl)ether
Concen: 33.93 ng
RT: 6.45 min Scan# 382
Delta R.T. -0.01 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Instrument :
BNA_F
ClientSampleId :
PB90223BS

Tgt Ion:	93	Resp:	444129
Ion	Ratio	Lower	Upper
93	100		
63	95.3	58.0	98.0
95	32.7	11.9	51.9

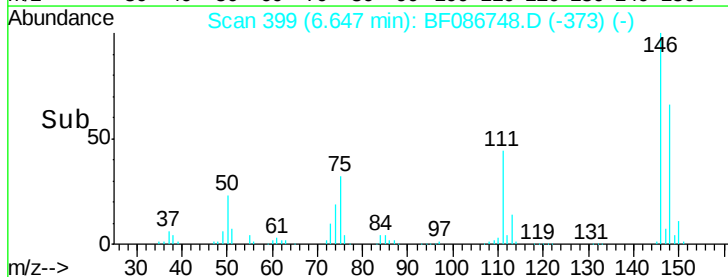
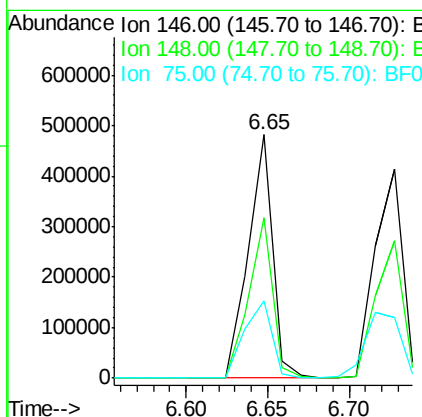
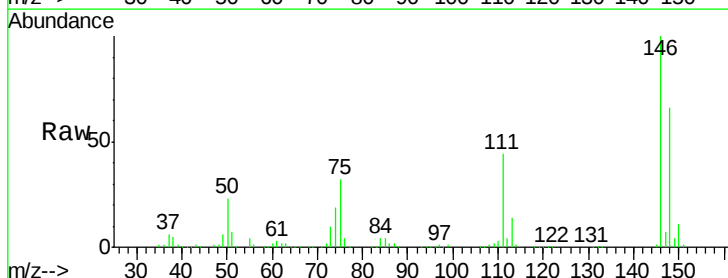
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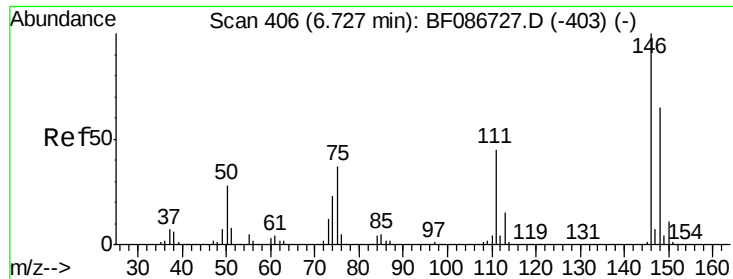
Sohil
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#12
1,3-Dichlorobenzene
Concen: 37.83 ng
RT: 6.65 min Scan# 399
Delta R.T. 0.00 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Tgt Ion:	146	Resp:	497350
Ion	Ratio	Lower	Upper
146	100		
148	65.8	52.4	78.6
75	31.6	22.8	34.2





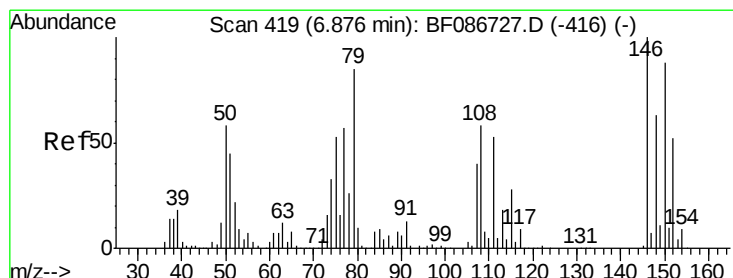
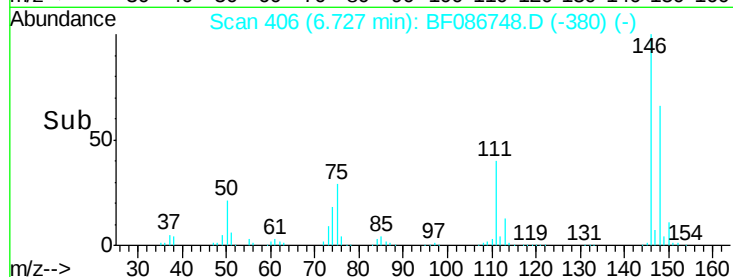
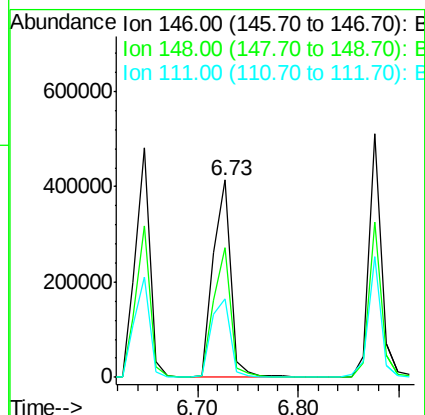
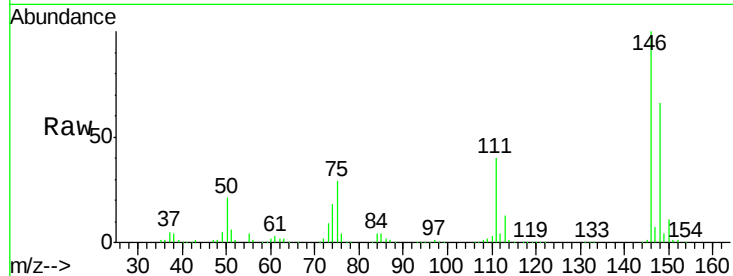
#13
 1,4-Dichlorobenzene
 Concen: 37.02 ng
 RT: 6.73 min Scan# 406
 Delta R.T. 0.00 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Instrument :
 BNA_F
 ClientSampleId :
 PB90223BS

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.6	52.2	78.4
111	39.6	30.7	46.1

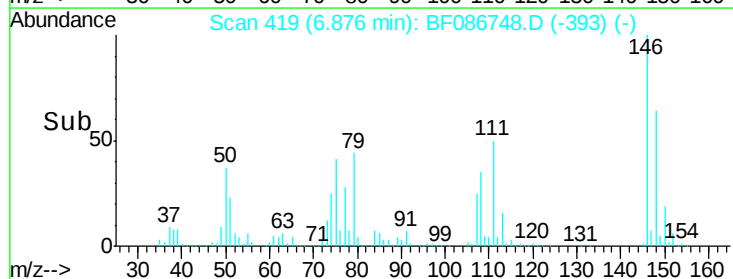
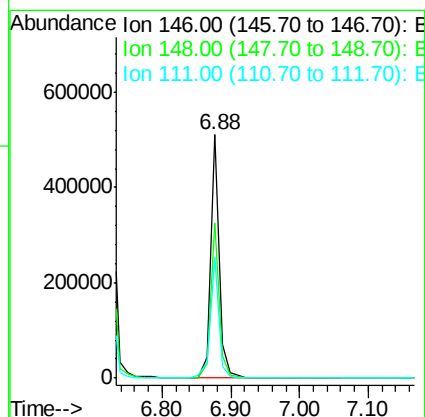
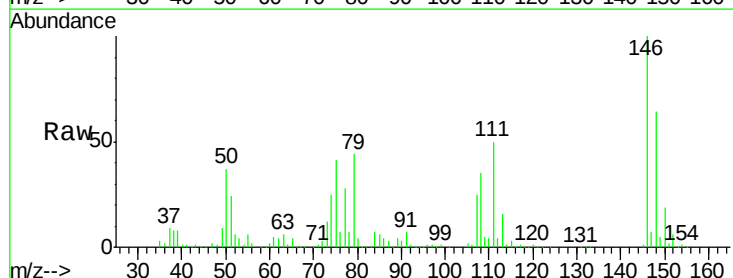
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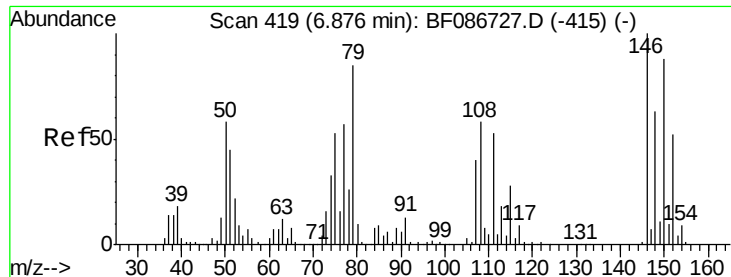
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#14
 1,2-Dichlorobenzene
 Concen: 37.71 ng
 RT: 6.88 min Scan# 419
 Delta R.T. 0.00 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.6
111	49.7	36.2	54.4





#15

Benzyl Alcohol

Concen: 45.36 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampleId :

PB90223BS

Tgt Ion: 79 Resp: 407930
Ion Ratio Lower Upper

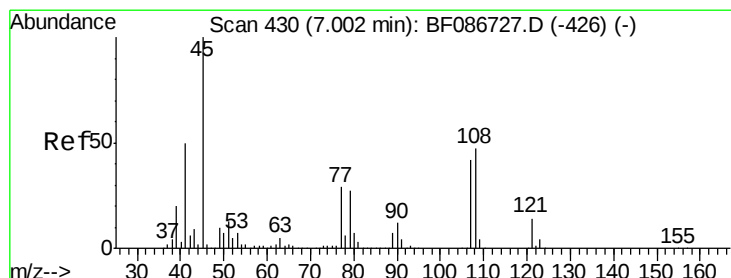
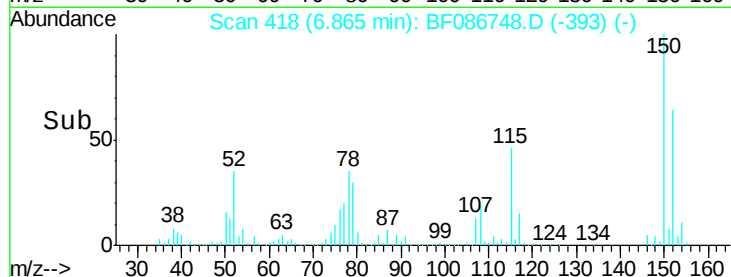
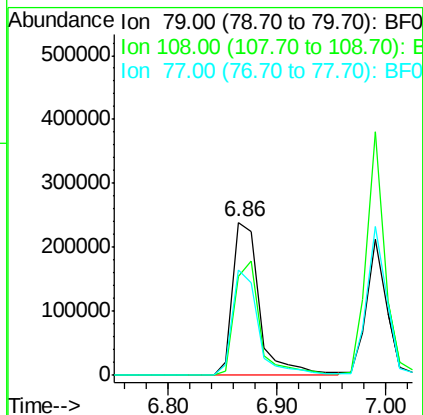
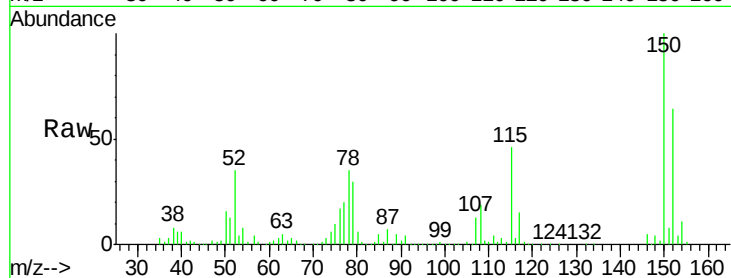
79 100

108 64.6 68.4 102.6#

77 68.7 50.6 76.0

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.12 ng

RT: 7.00 min Scan# 430

Delta R.T. 0.00 min

Lab File: BF086748.D

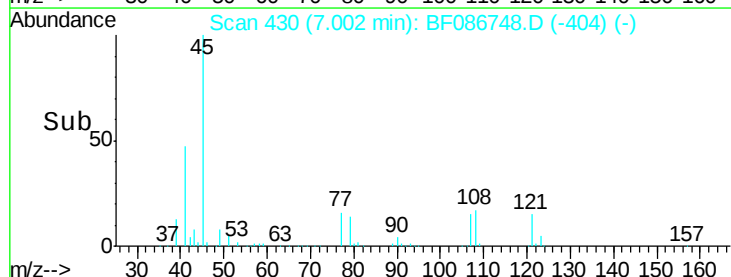
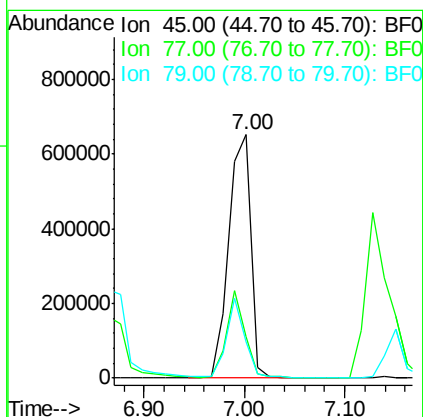
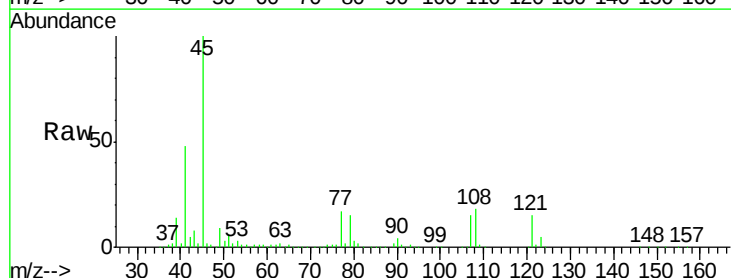
Acq: 7 May 2016 2:47

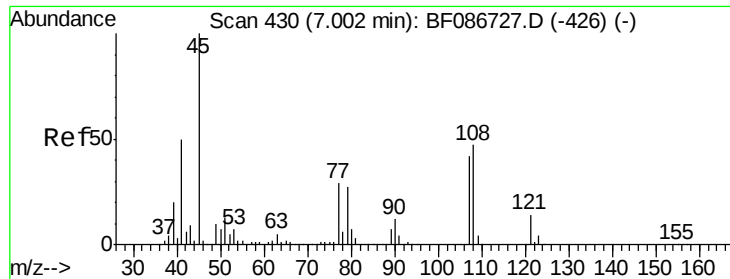
Tgt Ion: 45 Resp: 993434
Ion Ratio Lower Upper

45 100

77 17.0 0.0 36.4

79 14.8 0.0 33.4





#17

2-Methylphenol

Concen: 39.30 ng

RT: 6.99 min Scan# 429

Delta R.T. -0.01 min

Lab File: BF086748.D

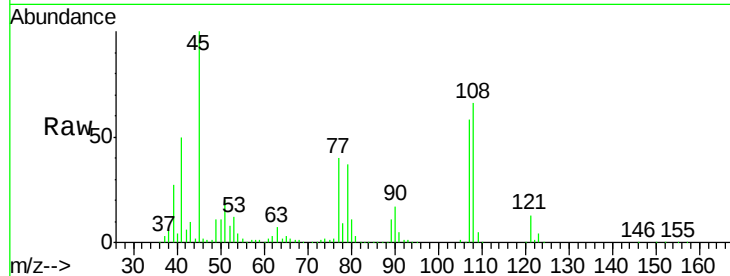
Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampleId :

PB90223BS



Tgt Ion:107 Resp: 391877

Ion Ratio Lower Upper

107 100

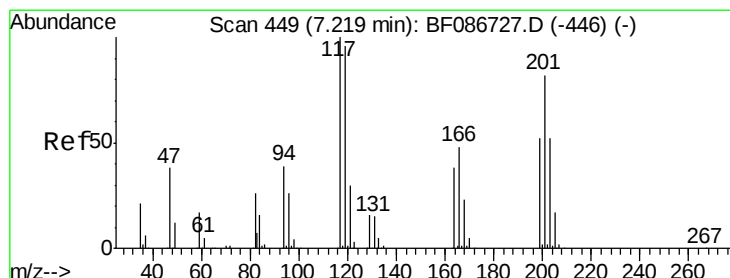
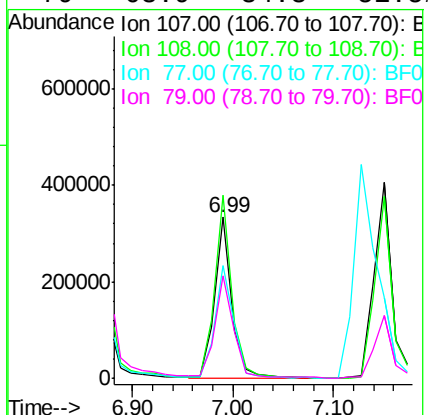
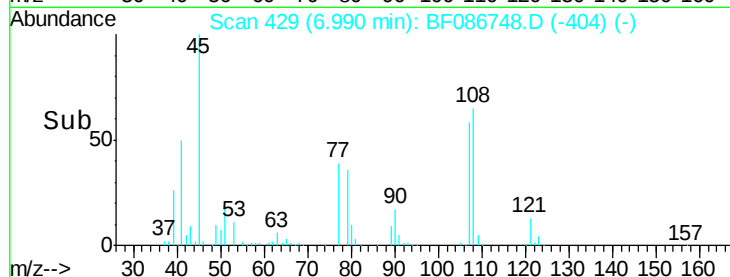
108 114.1 93.7 140.5

77 69.9 33.4 50.0#

79 63.9 34.3 51.5#

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#18

Hexachloroethane

Concen: 38.71 ng

RT: 7.22 min Scan# 449

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

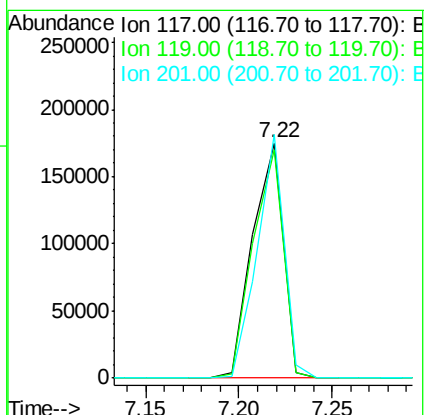
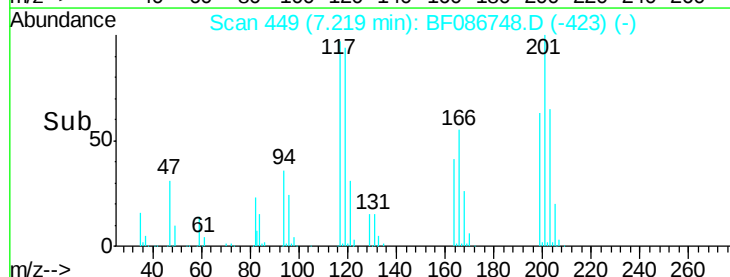
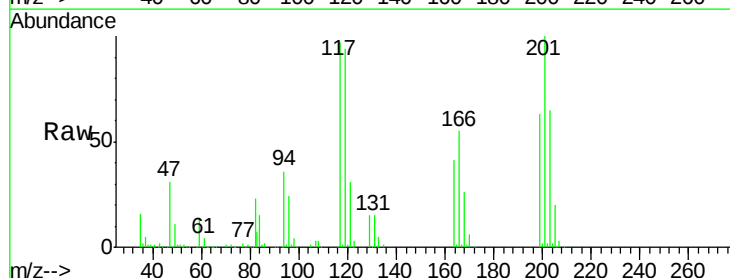
Tgt Ion:117 Resp: 198704

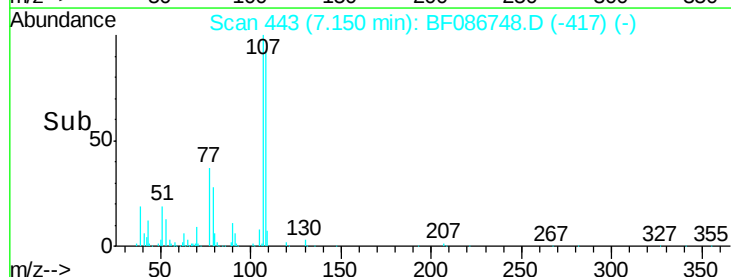
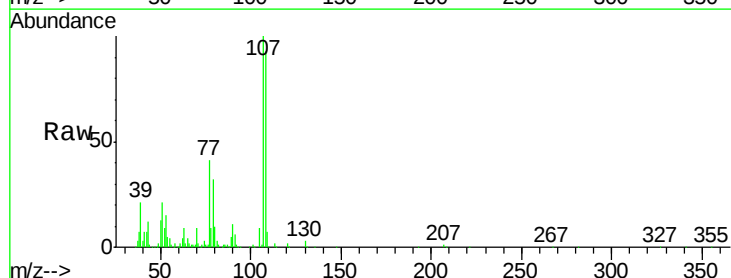
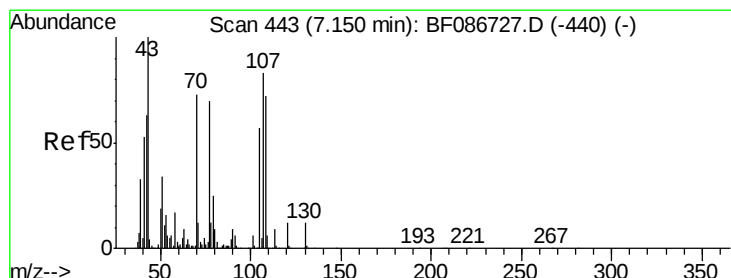
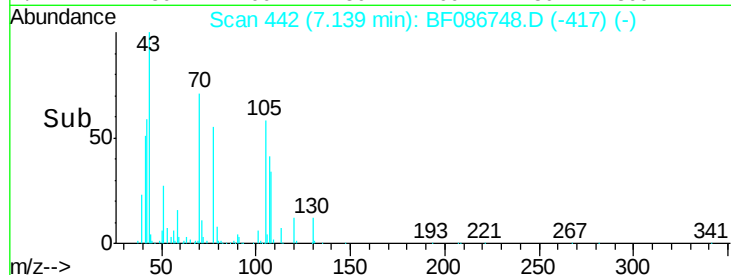
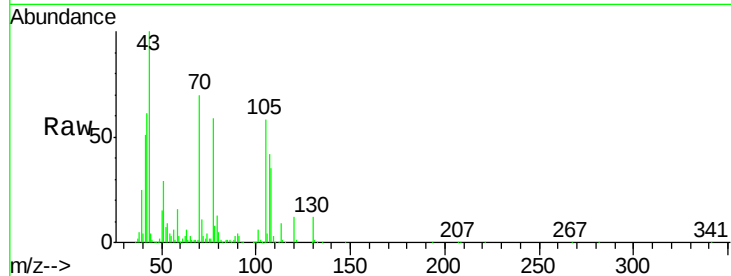
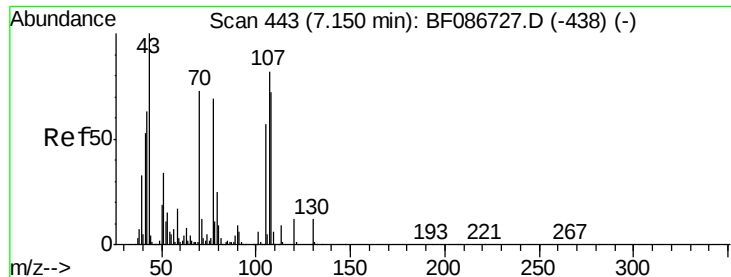
Ion Ratio Lower Upper

117 100

119 97.0 76.5 114.7

201 103.5 63.0 94.6#





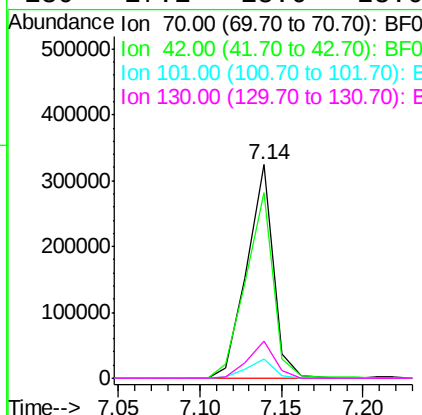
#19
n-Nitroso-di-n-propylamine
Concen: 38.54 ng
RT: 7.14 min Scan# 442
Delta R.T. -0.01 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Instrument :
BNA_F
ClientSampleId :
PB90223BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
70	100		
42	86.6	43.1	64.7#
101	8.8	8.1	12.1
130	17.1	18.6	28.0#

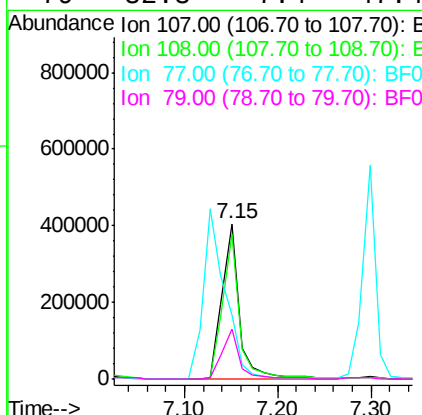
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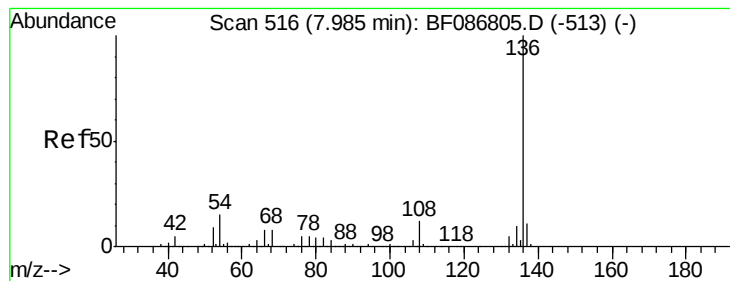
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#20
3+4-Methylphenols
Concen: 44.44 ng
RT: 7.15 min Scan# 443
Delta R.T. 0.00 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
107	100		
108	92.9	68.5	108.5
77	41.2	101.6	141.6#
79	32.3	7.4	47.4





#21

Naphthalene-d8

Concen: 40.00 ng

RT: 8.00 min Scan# 517

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

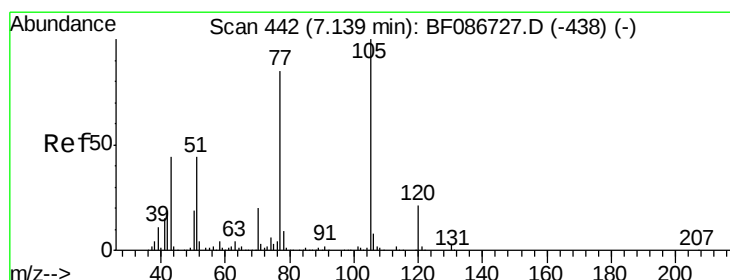
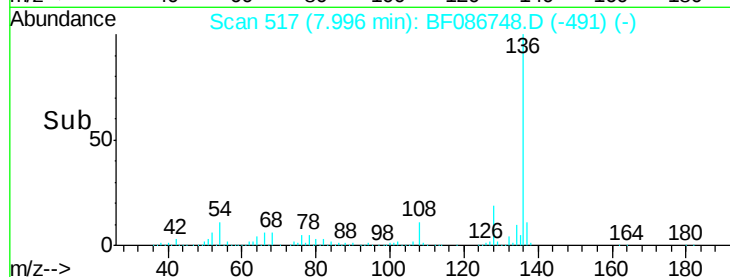
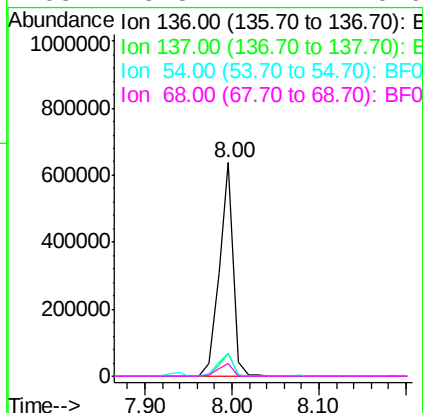
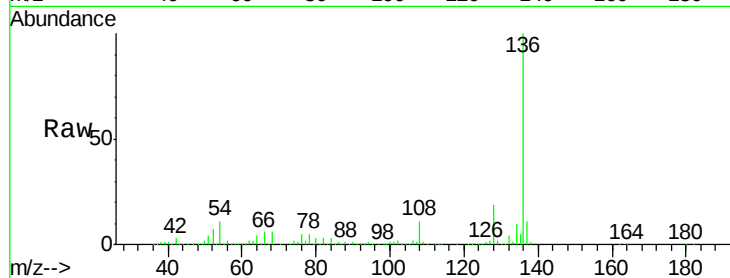
ClientSampleId :

PB90223BS

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		711216		
137	10.8	8.8	13.2		
54	10.6	5.0	7.4		
68	5.8	4.4	6.6		

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#22

Acetophenone

Concen: 40.98 ng

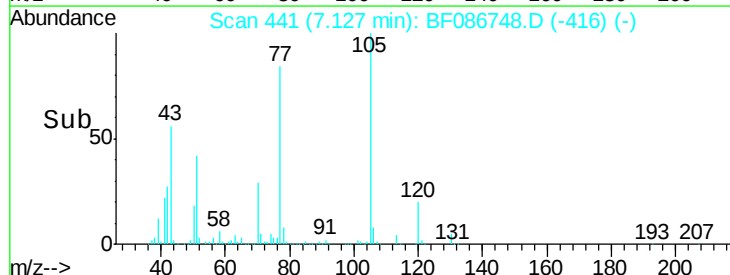
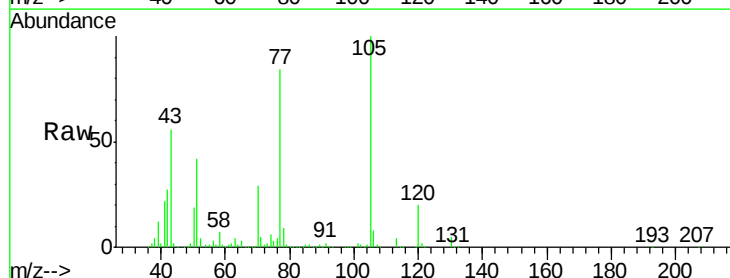
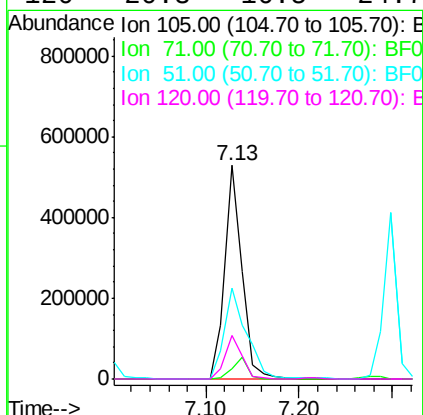
RT: 7.13 min Scan# 441

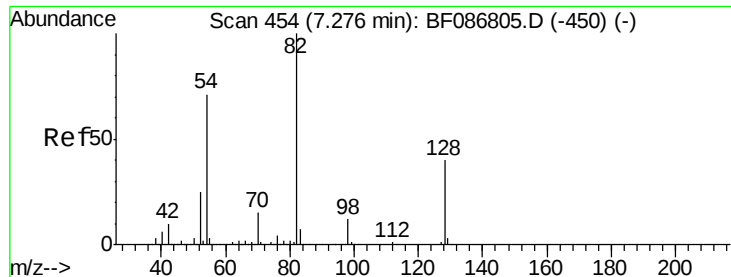
Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		679158		
71	4.8	4.8	7.2		
51	42.4	32.6	49.0		
120	20.3	16.5	24.7		





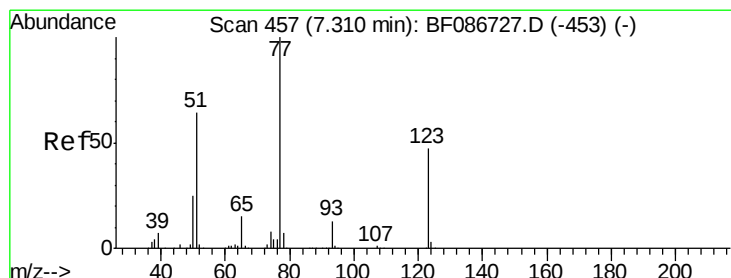
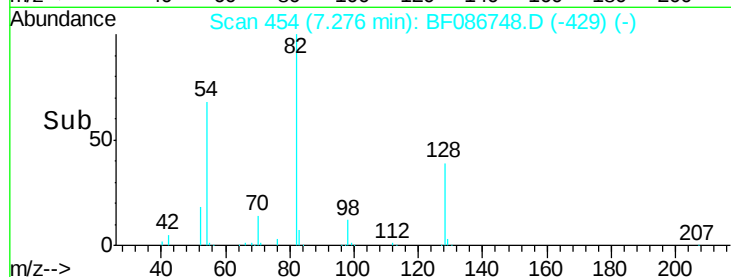
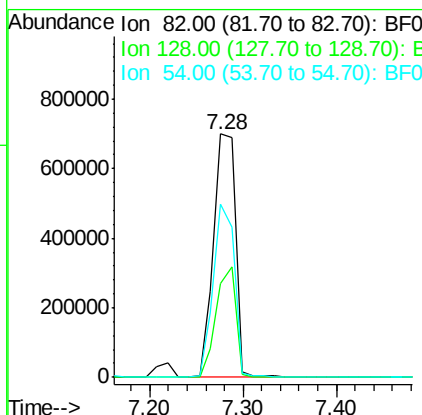
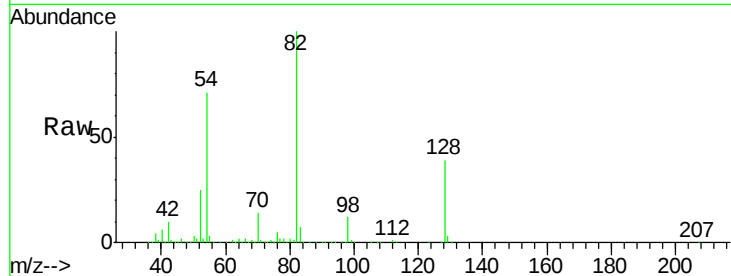
#23
 Nitrobenzene-d5
 Concen: 83.51 ng
 RT: 7.28 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Instrument :
 BNA_F
 ClientSampleId :
 PB90223BS

Tgt Ion: 82 Resp: 1155818
 Ion Ratio Lower Upper
 82 100
 128 38.7 40.6 61.0#
 54 71.1 38.1 57.1#

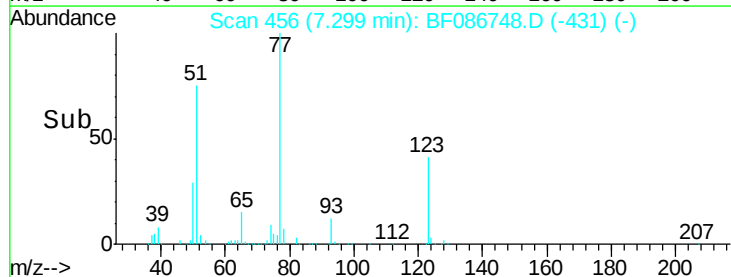
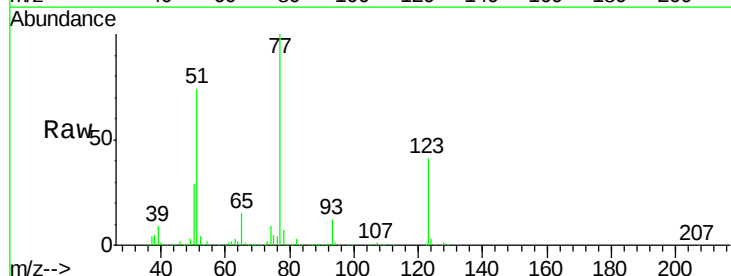
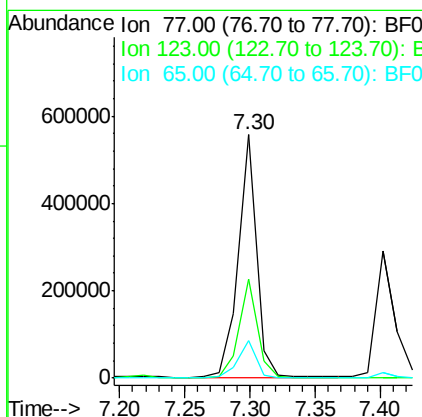
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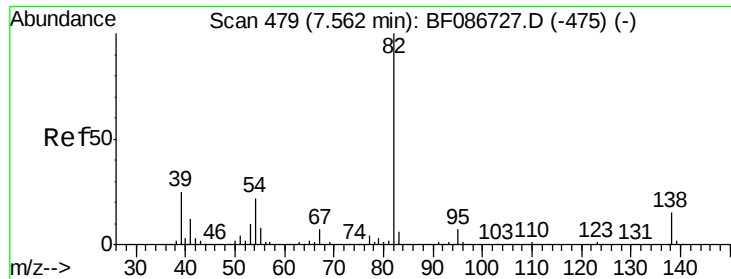
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#24
 Nitrobenzene
 Concen: 37.61 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Tgt Ion: 77 Resp: 538150
 Ion Ratio Lower Upper
 77 100
 123 40.8 33.0 49.4
 65 15.3 10.8 16.2





#25

Isophorone

Concen: 39.27 ng

RT: 7.55 min Scan# 478

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

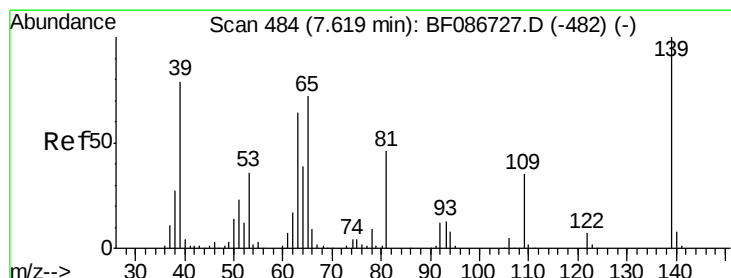
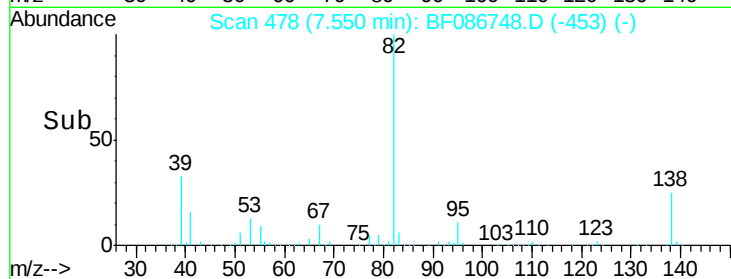
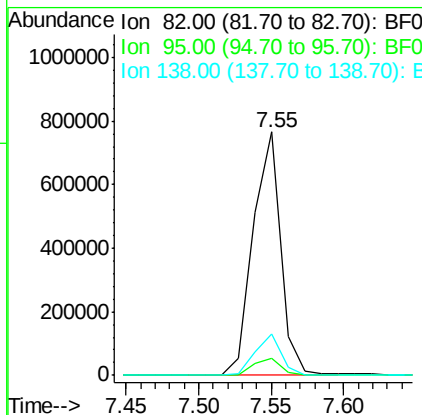
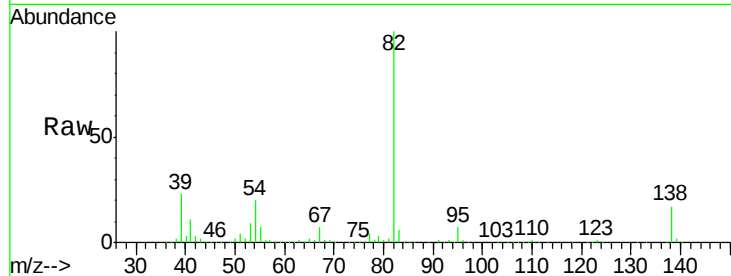
ClientSampleId :

PB90223BS

Tgt Ion:	82	Resp:	1012061
Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.1	7.7
138	17.2	12.4	18.6

Manual Integrations
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#26

2-Nitrophenol

Concen: 42.18 ng

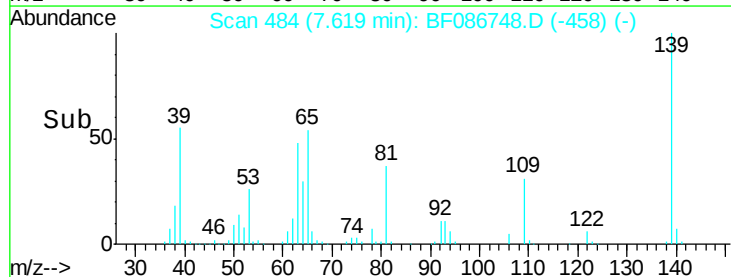
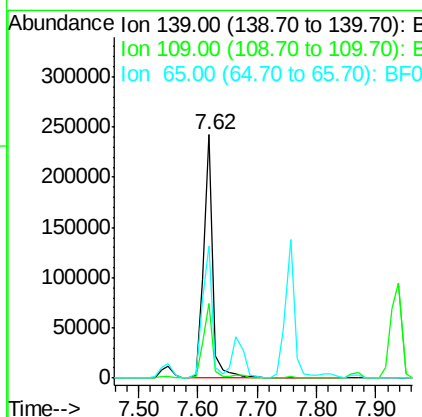
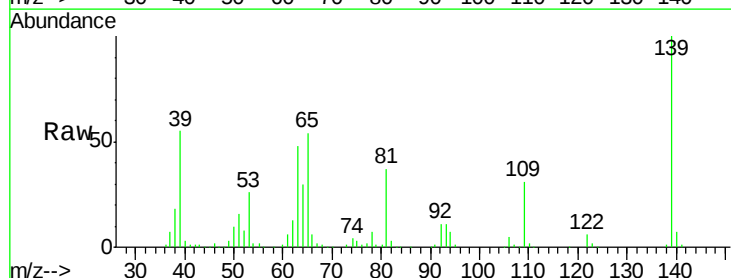
RT: 7.62 min Scan# 484

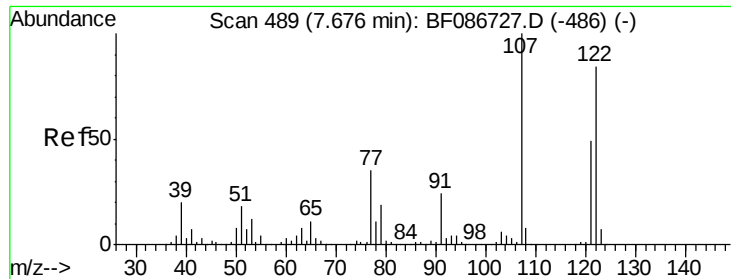
Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Tgt Ion:	139	Resp:	269302
Ion	Ratio	Lower	Upper
139	100		
109	30.9	19.5	29.3#
65	54.1	37.5	56.3





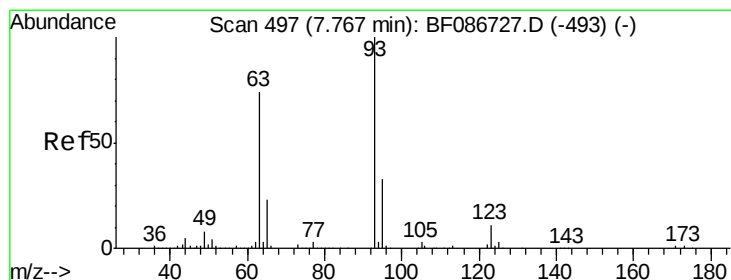
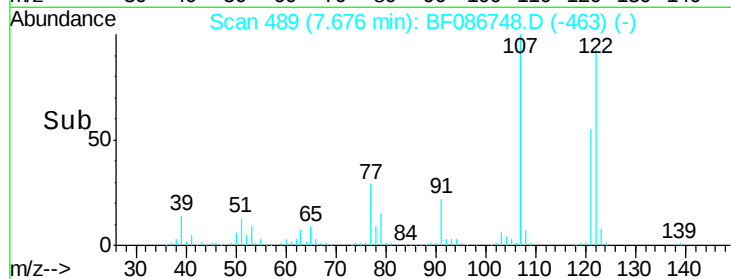
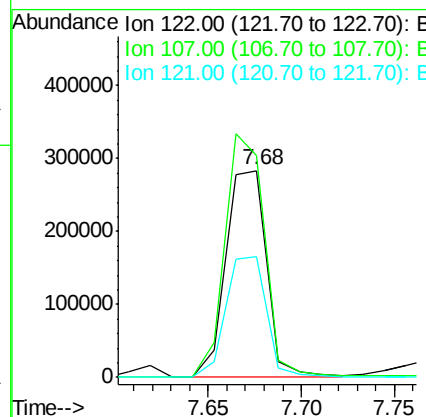
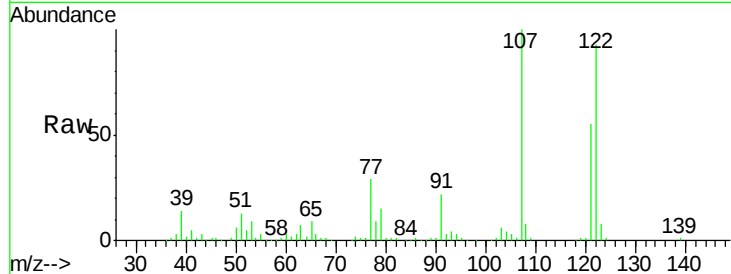
#27
 2,4-Dimethylphenol
 Concen: 38.43 ng
 RT: 7.68 min Scan# 489
 Delta R.T. 0.00 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Instrument :
 BNA_F
 ClientSampleId :
 PB90223BS

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	430844		
107	107.3	82.0	123.0	
121	58.7	46.1	69.1	

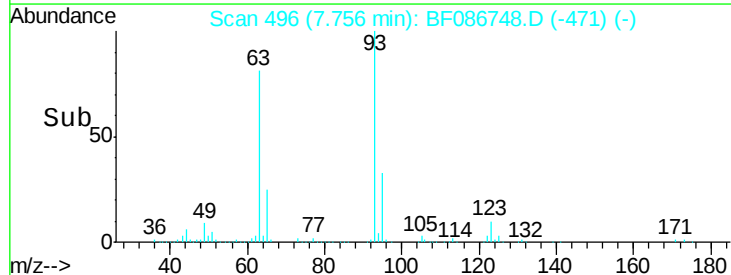
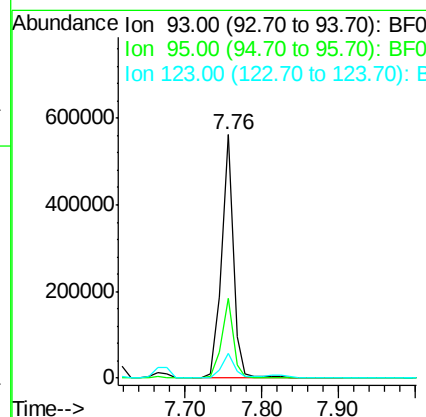
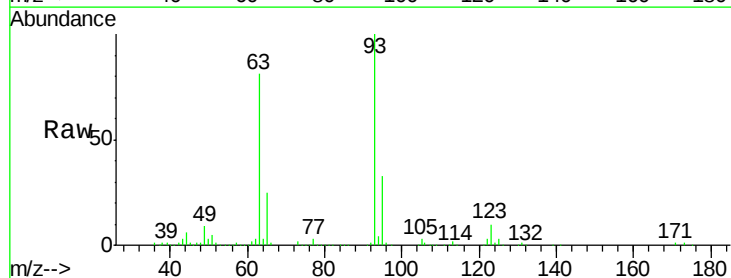
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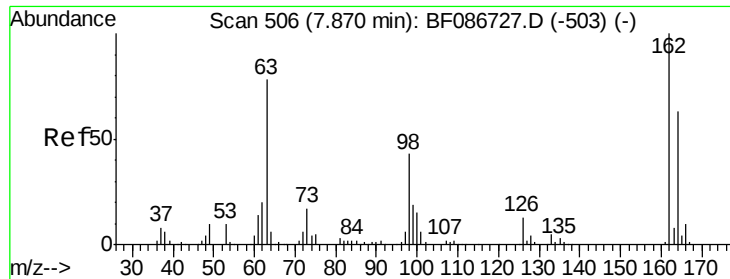
Sohil
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#28
 bis(2-Chloroethoxy)methane
 Concen: 42.50 ng
 RT: 7.76 min Scan# 496
 Delta R.T. -0.01 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	602939		
95	32.9	26.0	39.0	
123	10.2	9.5	14.3	





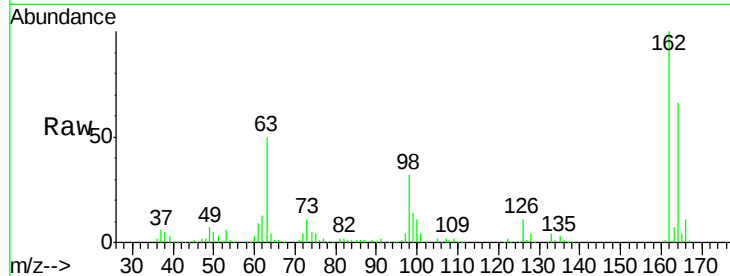
#29
2,4-Dichlorophenol
Concen: 42.36 ng
RT: 7.87 min Scan# 506
Delta R.T. 0.00 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Instrument :
BNA_F
ClientSampleId :
PB90223BS

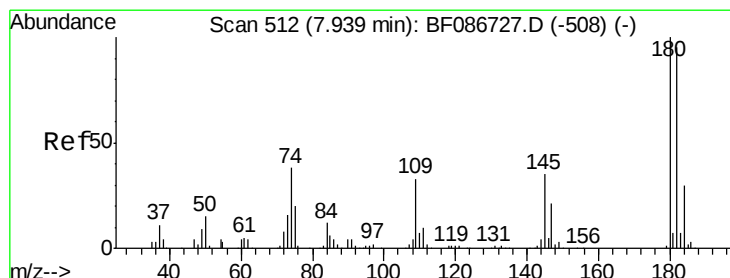
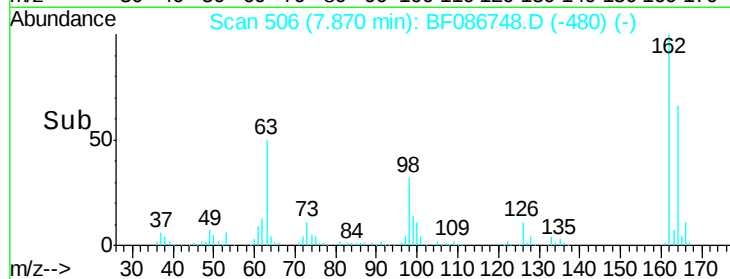
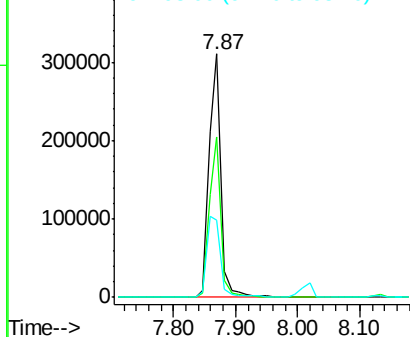
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	408329		
164	65.8	42.2	82.2	
98	31.7	19.0	59.0	

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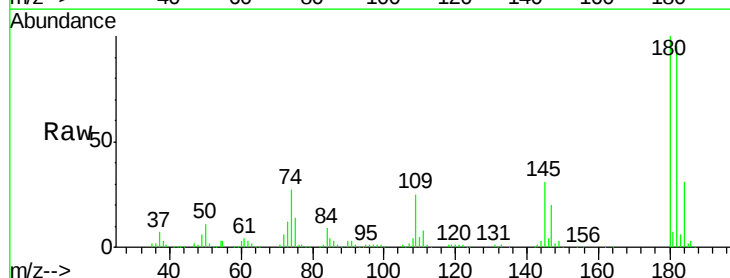


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

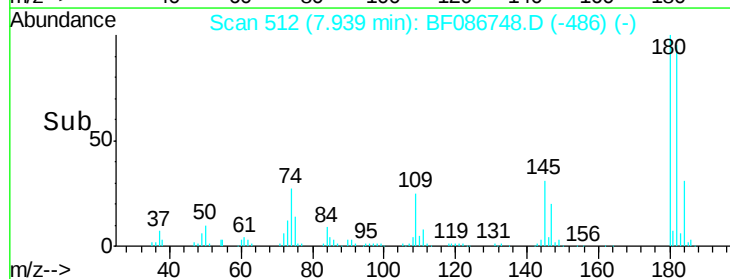
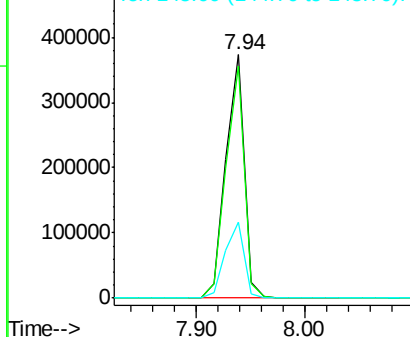


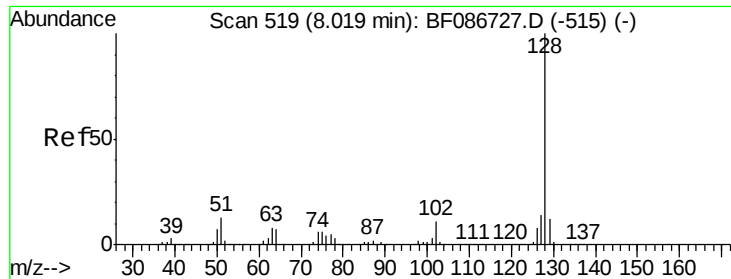
#30
1,2,4-Trichlorobenzene
Concen: 40.72 ng
RT: 7.94 min Scan# 512
Delta R.T. 0.00 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	437849		
182	95.3	78.0	117.0	
145	31.1	24.2	36.2	



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





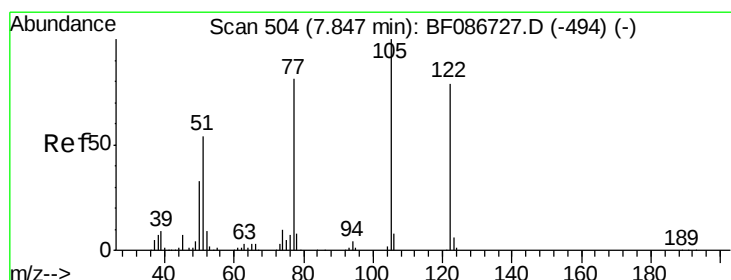
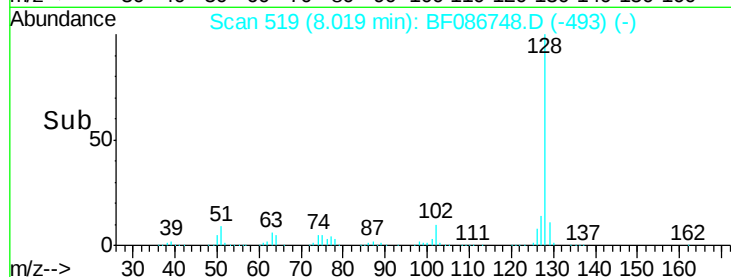
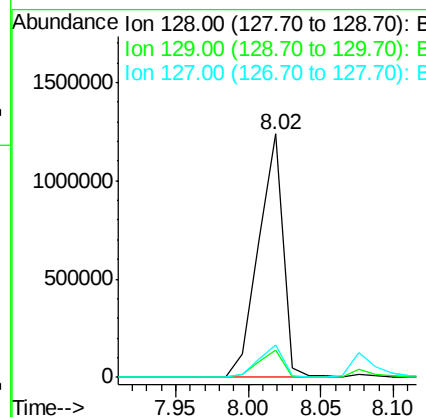
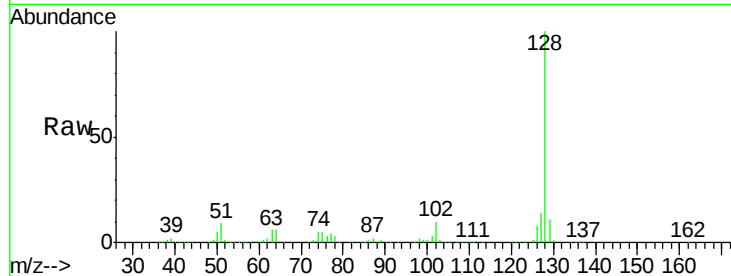
#31
Naphthalene
Concen: 40.20 ng
RT: 8.02 min Scan# 519
Delta R.T. 0.00 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Instrument :
BNA_F
ClientSampleId :
PB90223BS

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	13.0
127	13.5	10.8	16.2

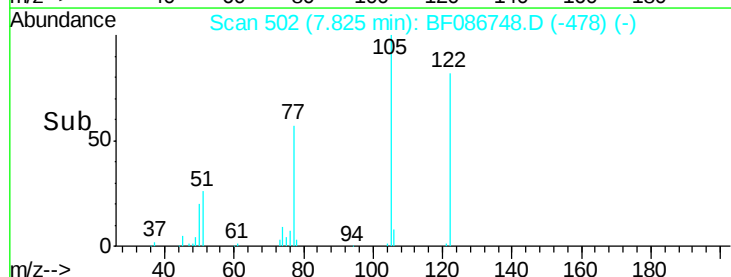
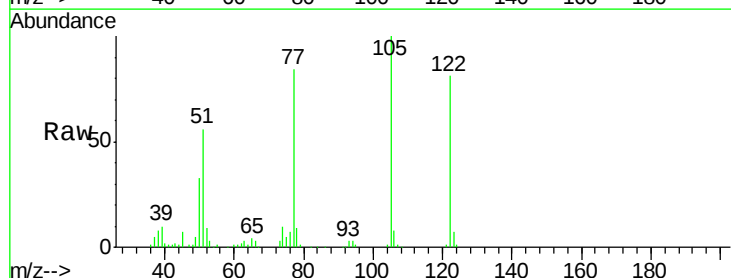
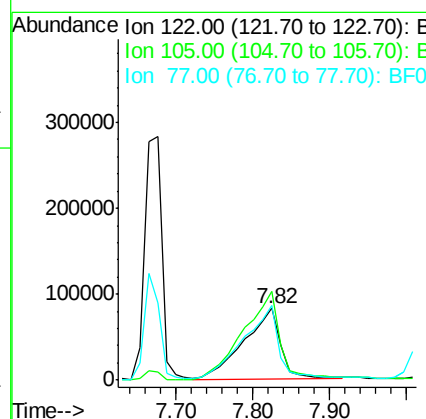
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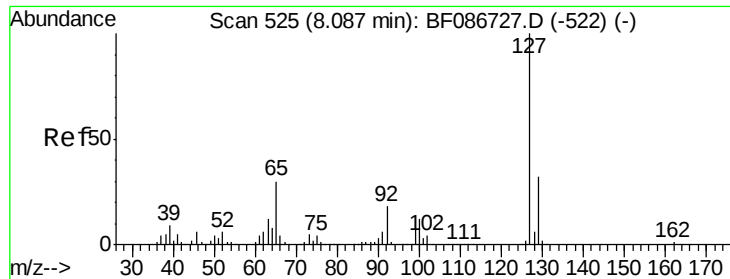
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#32
Benzoic acid
Concen: 59.76 ng
RT: 7.82 min Scan# 502
Delta R.T. -0.02 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Tgt Ion	Ratio	Lower	Upper
122	100		
105	123.4	92.6	132.6
77	103.6	60.0	100.0#





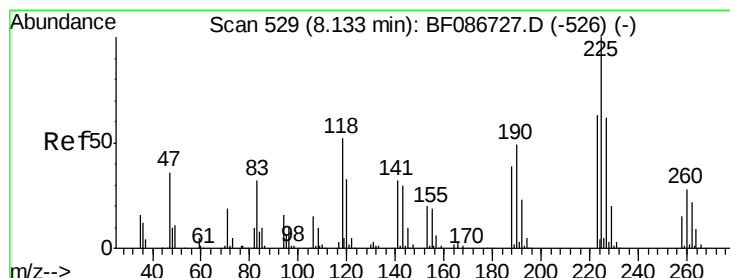
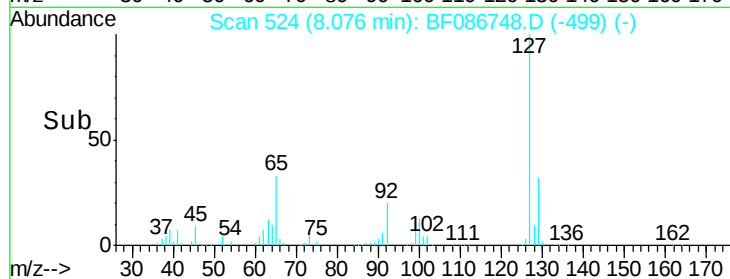
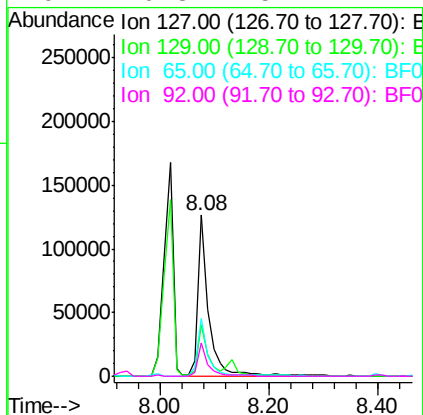
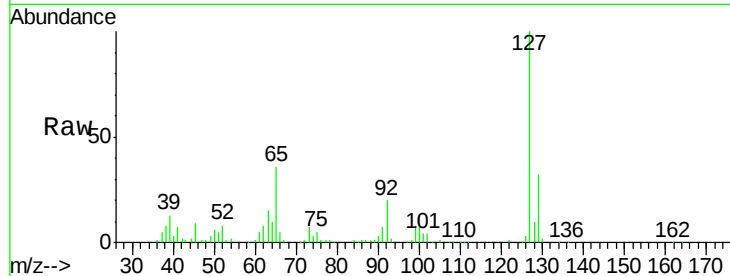
#33
4-Chloroaniline
Concen: 11.91 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.01 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Instrument :
BNA_F
ClientSampleId :
PB90223BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
127	100		
129	32.0	26.2	39.4
65	36.1	23.0	34.4
92	20.3	15.1	22.7

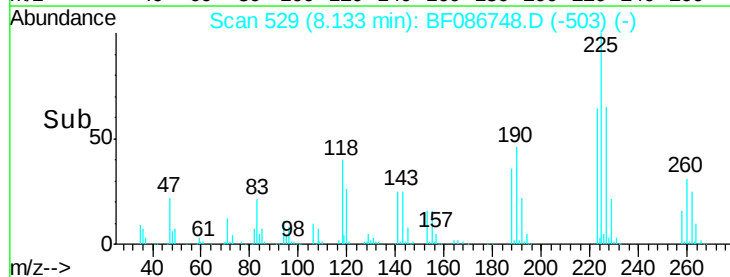
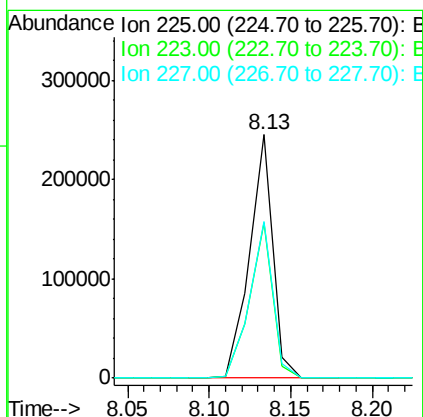
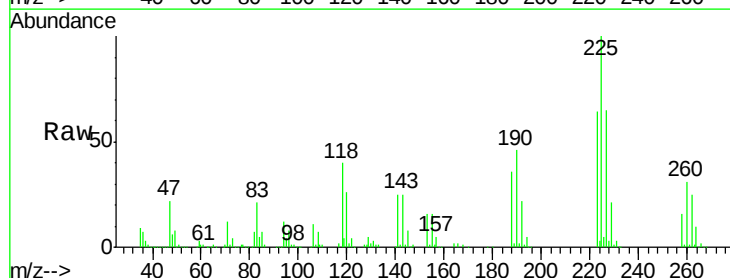
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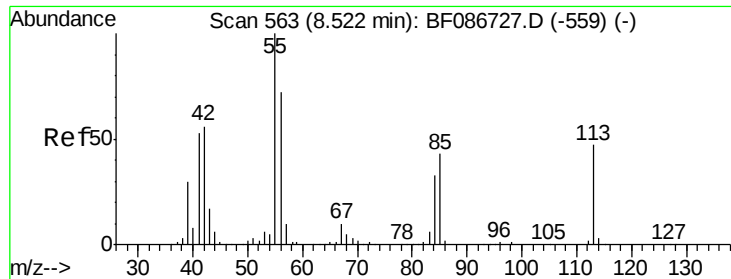
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#34
Hexachlorobutadiene
Concen: 39.79 ng
RT: 8.13 min Scan# 529
Delta R.T. 0.00 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	63.7	51.5	77.3
227	64.5	52.2	78.2





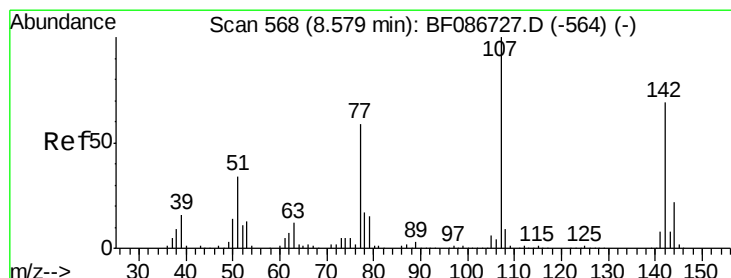
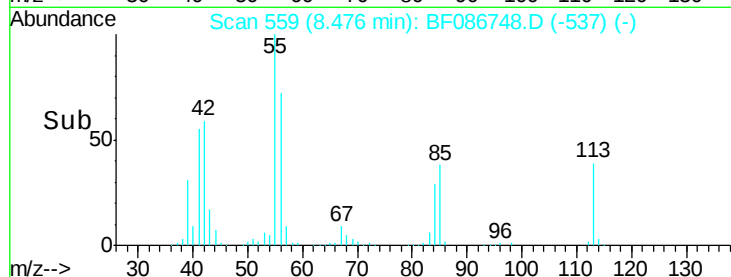
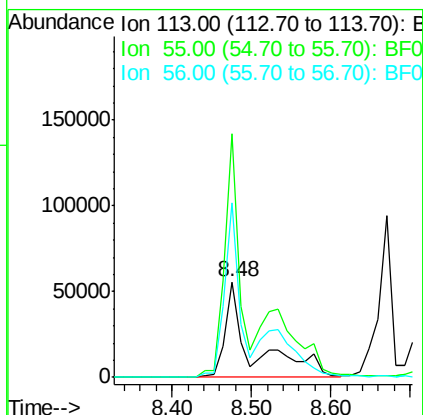
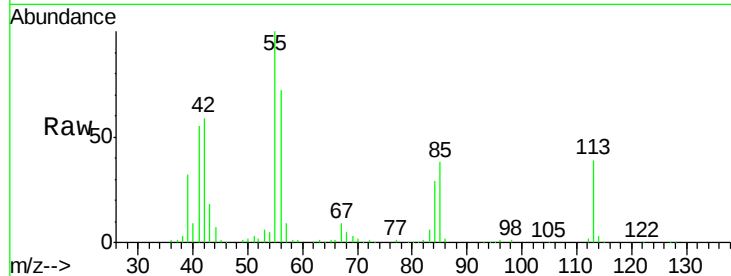
#35
 Caprolactam
 Concen: 45.39 ng m
 RT: 8.48 min Scan# 559
 Delta R.T. -0.05 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Instrument :
 BNA_F
 ClientSampleId :
 PB90223BS

Tgt Ion:113 Resp: 135421
 Ion Ratio Lower Upper
 113 100
 55 254.8 162.0 202.0#
 56 182.5 115.3 155.3#

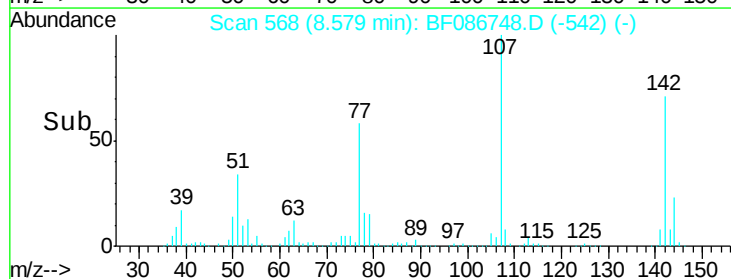
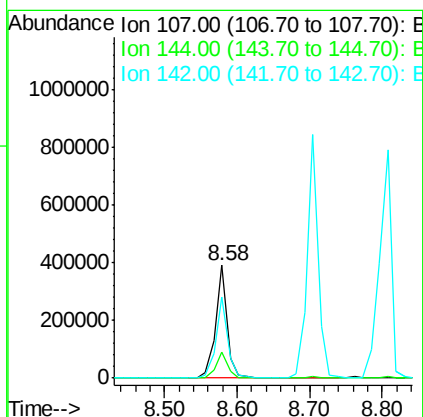
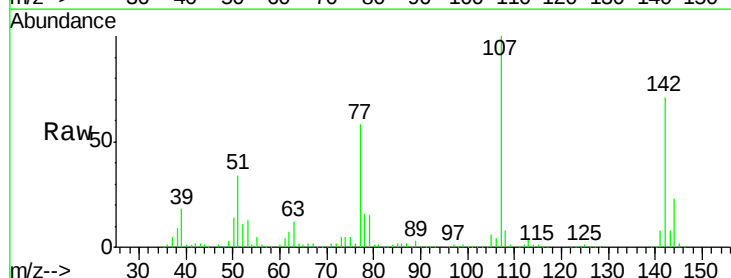
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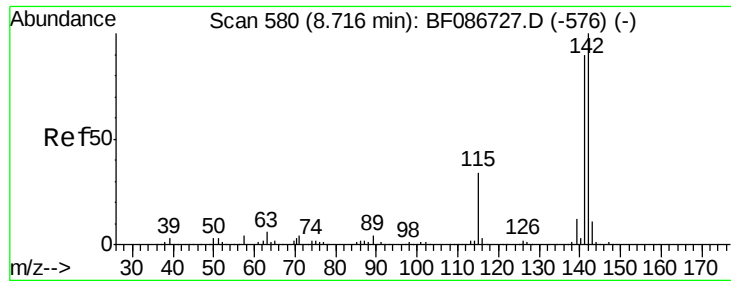
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#36
 4-Chloro-3-methylphenol
 Concen: 40.11 ng
 RT: 8.58 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Tgt Ion:107 Resp: 441100
 Ion Ratio Lower Upper
 107 100
 144 22.9 20.7 31.1
 142 71.4 63.2 94.8





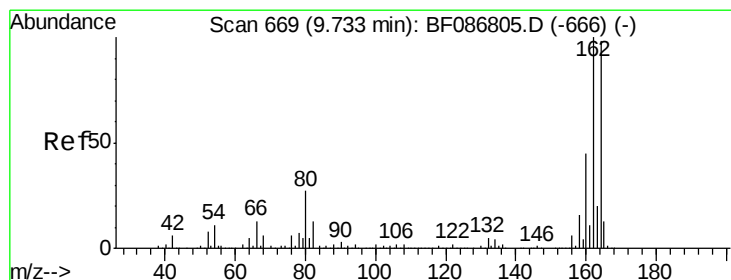
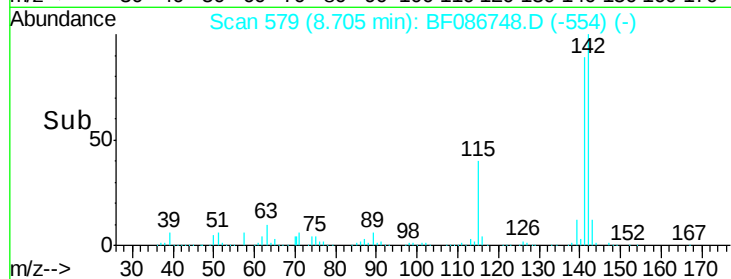
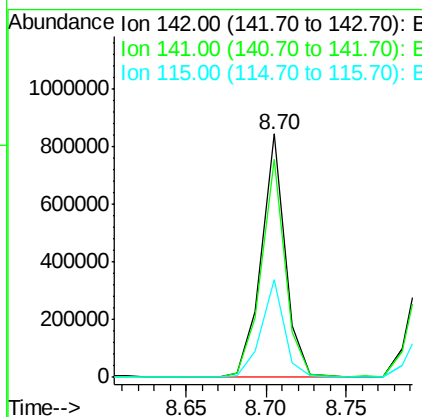
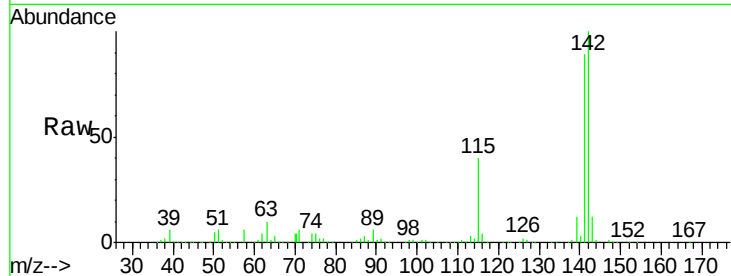
#37
2-Methylnaphthalene
Concen: 41.27 ng m
RT: 8.70 min Scan# 579
Delta R.T. -0.01 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Instrument :
BNA_F
ClientSampleId :
PB90223BS

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	884786		
141	89.4	71.0	106.6	
115	39.9	26.6	39.8	

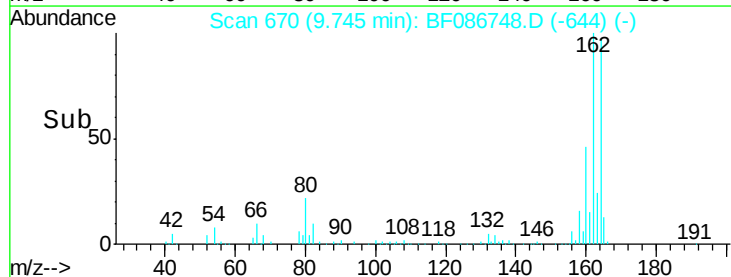
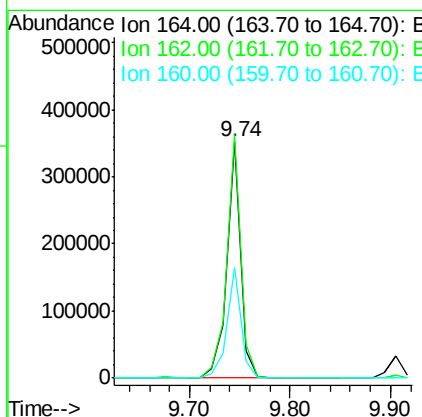
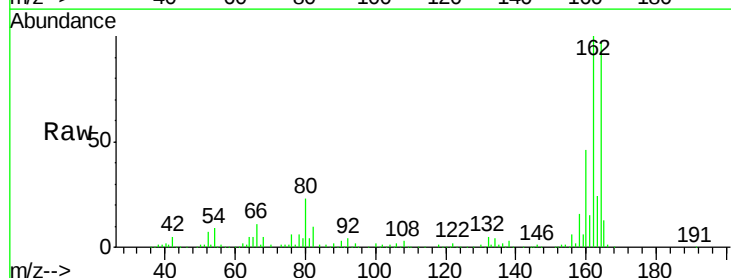
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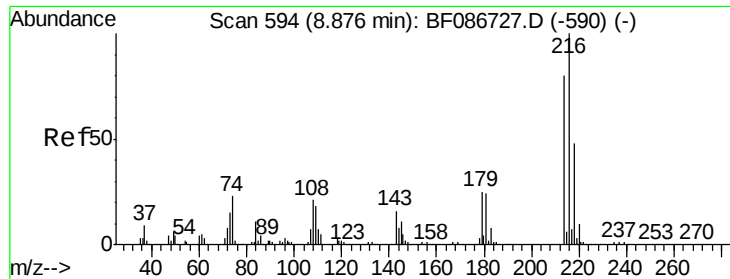
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#38
Acenaphthene-d10
Concen: 40.00 ng
RT: 9.74 min Scan# 670
Delta R.T. 0.00 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	337278		
162	103.0	82.8	124.2	
160	47.0	36.9	55.3	





#39

1,2,4,5-Tetrachlorobenzene

Concen: 40.53 ng

RT: 8.88 min Scan# 594

Delta R.T. 0.00 min

Lab File: BF086748.D

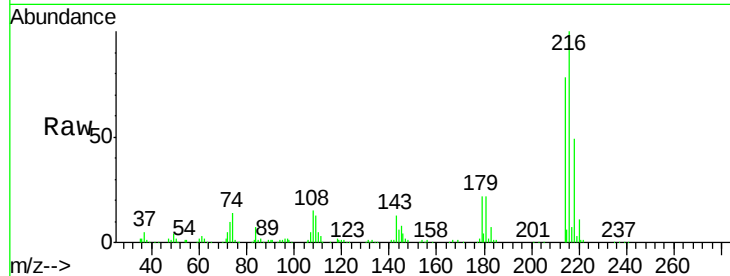
Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampleId :

PB90223BS



Tgt Ion:216 Resp: 395708

Ion Ratio Lower Upper

216 100

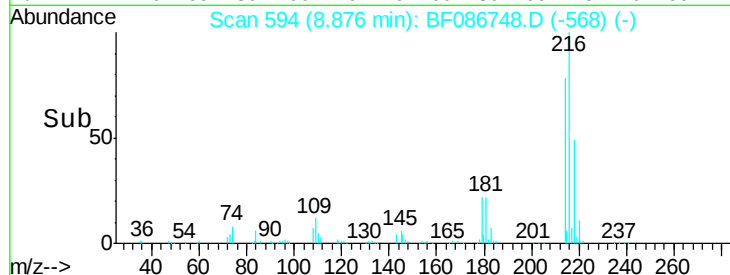
214 79.3 62.6 93.8

179 23.3 18.2 27.4

108 25.9 17.5 26.3

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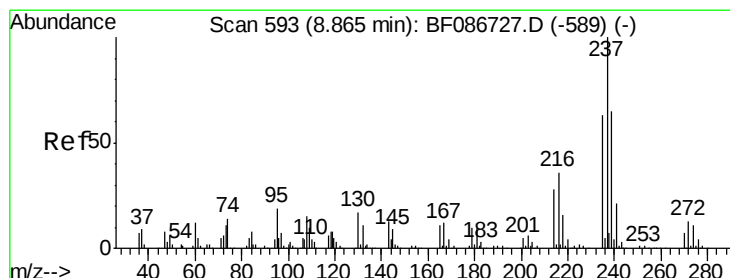
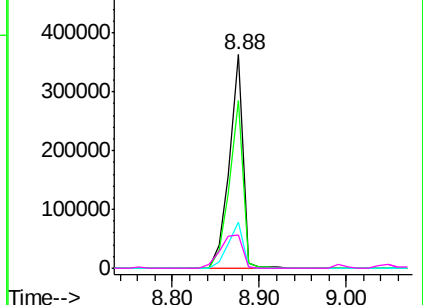


Abundance Ion 216.00 (215.70 to 216.70): E

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: 99.55 ng

RT: 8.85 min Scan# 592

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

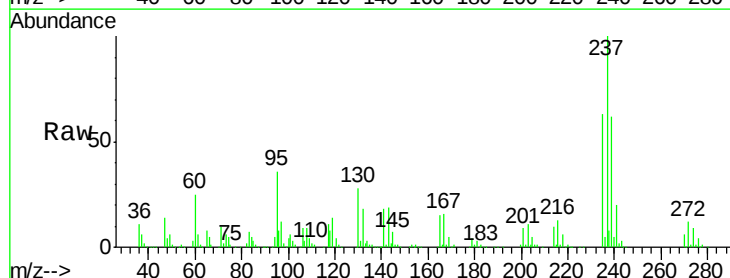
Tgt Ion:237 Resp: 455279

Ion Ratio Lower Upper

237 100

235 63.3 47.2 87.2

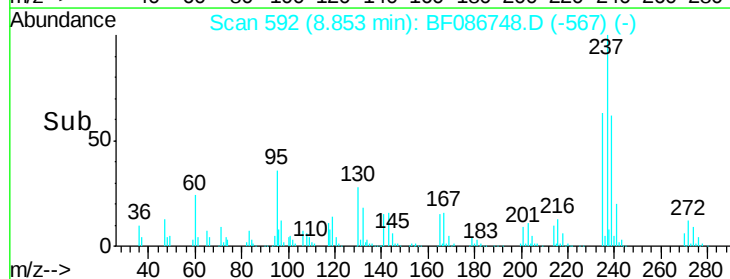
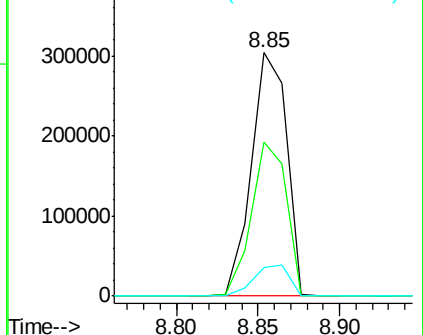
272 11.6 0.0 31.1

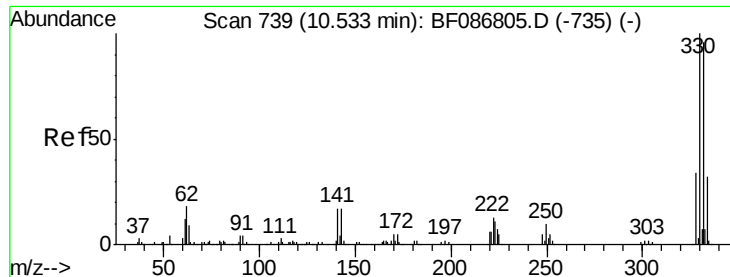


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





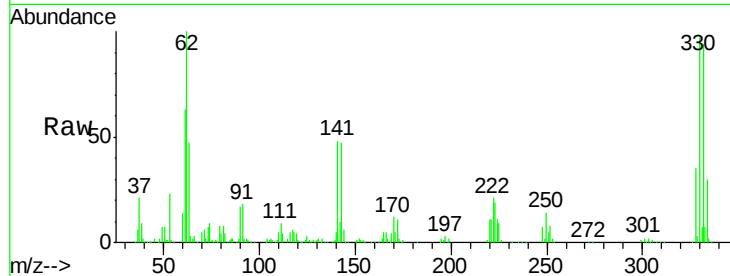
#41
 2,4,6-Tribromophenol
 Concen: 128.48 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Instrument :
 BNA_F
 ClientSampleId :
 PB90223BS

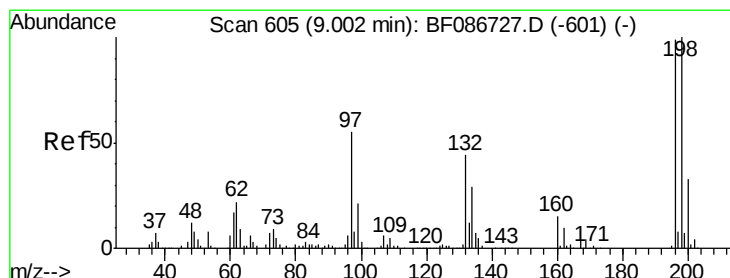
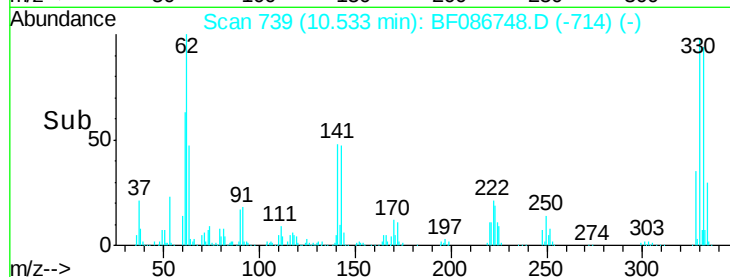
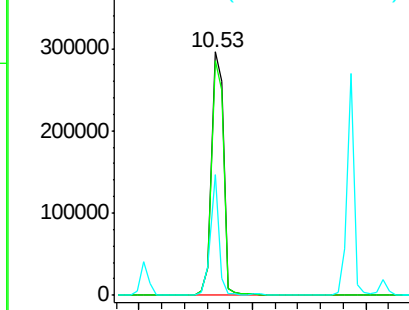
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	423897		
332	96.1	79.0	118.4	
141	34.4	31.2	46.8	

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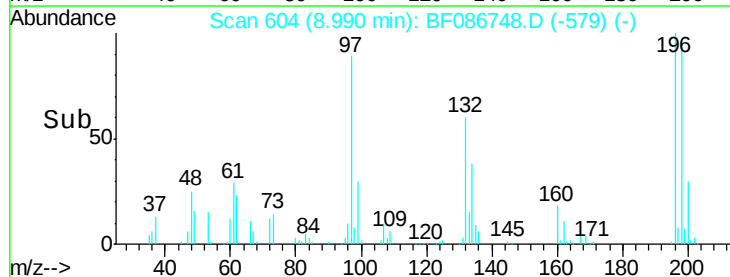
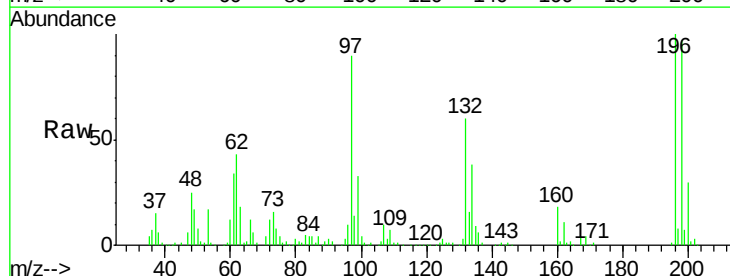
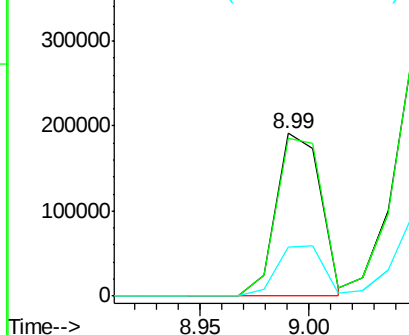
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

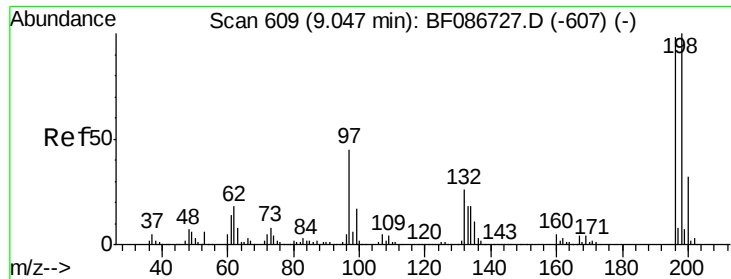


#42
 2,4,6-Trichlorophenol
 Concen: 44.15 ng
 RT: 8.99 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	274081		
198	97.2	74.7	112.1	
200	30.5	23.8	35.6	

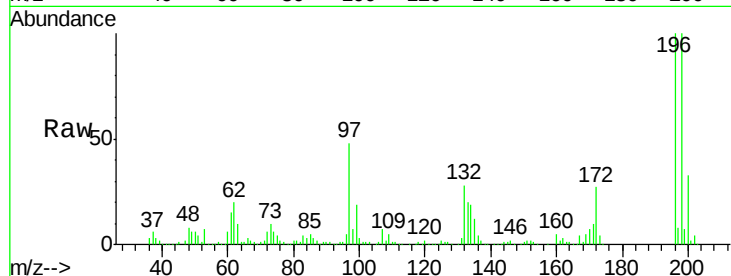
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





#43
 2,4,5-Trichlorophenol
 Concen: 45.94 ng
 RT: 9.05 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

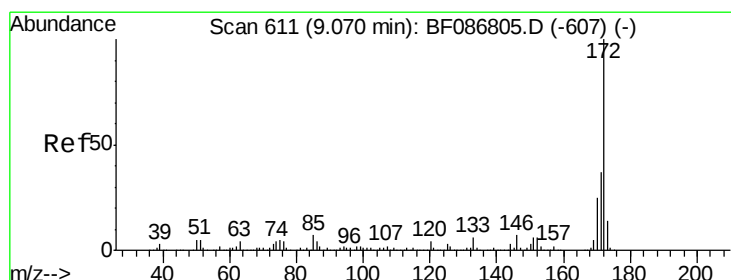
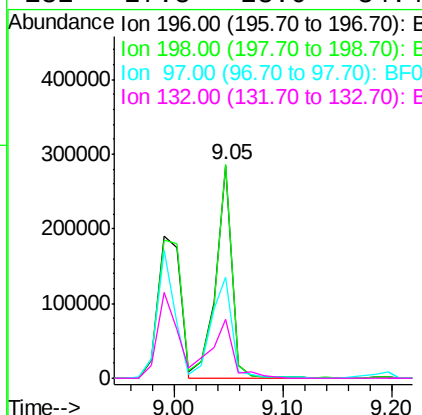
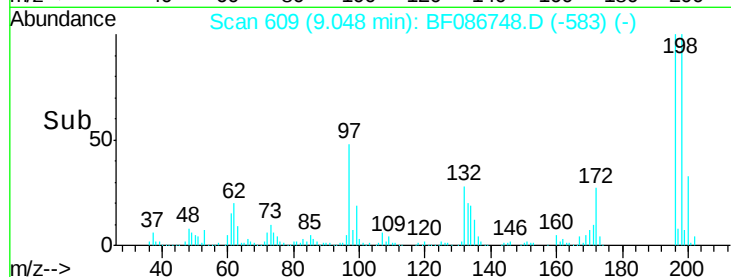
Instrument :
 BNA_F
 ClientSampleId :
 PB90223BS



Tgt Ion:	196	Resp:	297937
Ion Ratio	Lower	Upper	
196	100		
198	100.3	77.5	116.3
97	47.7	34.8	52.2
132	27.8	23.0	34.4

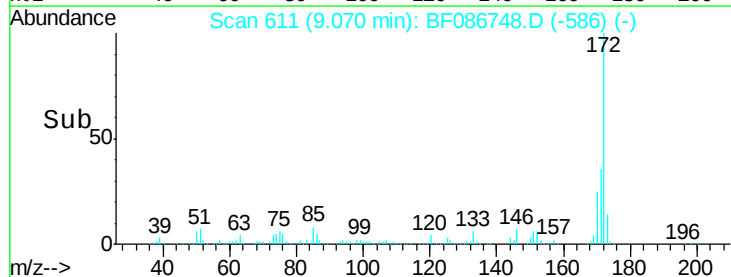
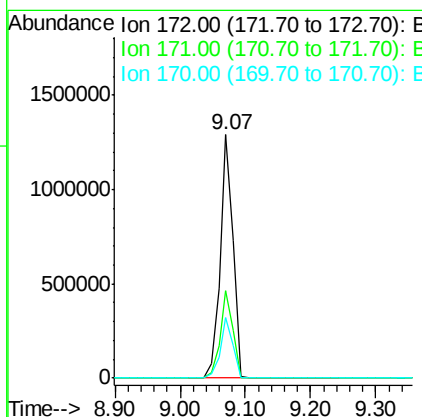
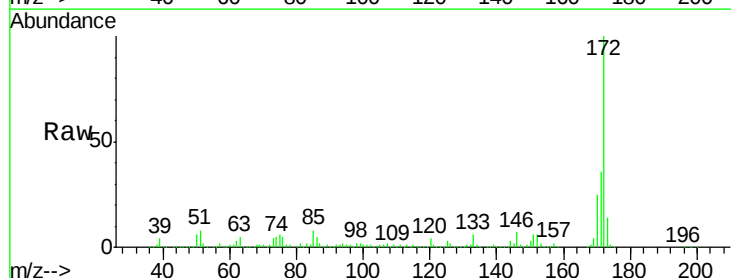
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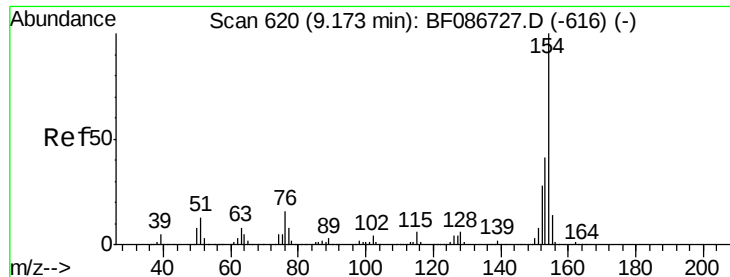
Sohil
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#44
 2-Fluorobiphenyl
 Concen: 86.64 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Tgt Ion:	172	Resp:	1782586
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.0	43.6
170	24.7	19.8	29.8





#45

1,1'-Biphenyl

Concen: 42.13 ng

RT: 9.17 min Scan# 620

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampleId :

PB90223BS

Tgt Ion:154 Resp: 1161735

Ion Ratio Lower Upper

154 100

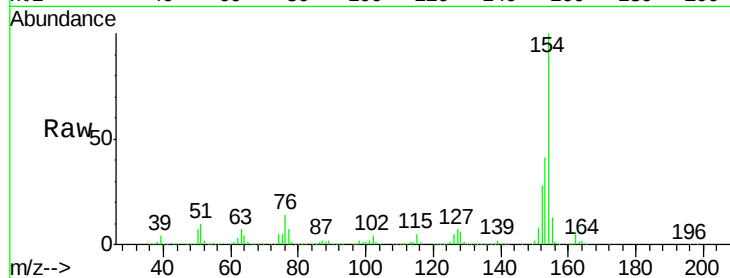
153 41.1 20.3 60.3

76 13.7 0.0 30.2

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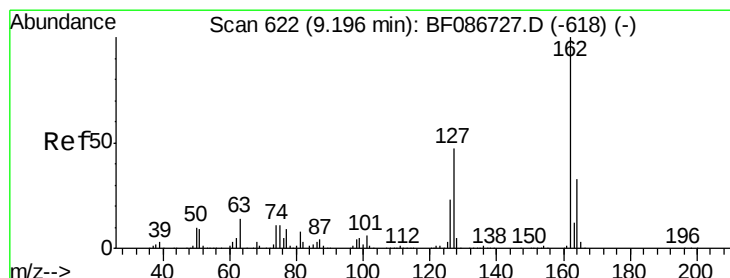
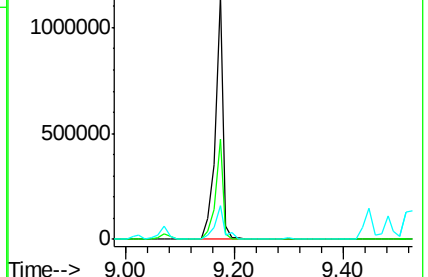
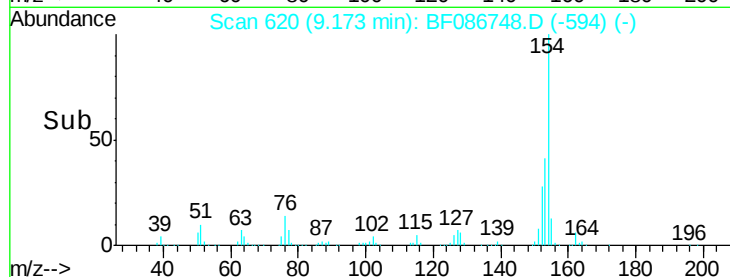
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 41.29 ng

RT: 9.20 min Scan# 622

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

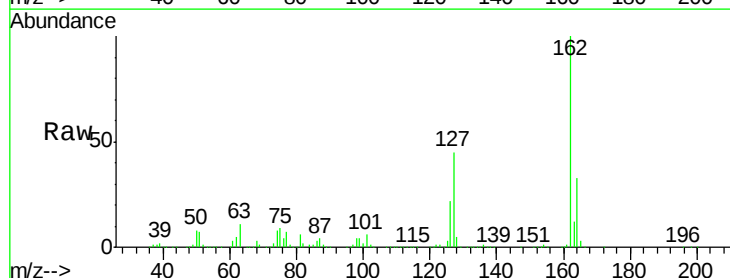
Tgt Ion:162 Resp: 878579

Ion Ratio Lower Upper

162 100

127 44.5 31.8 47.6

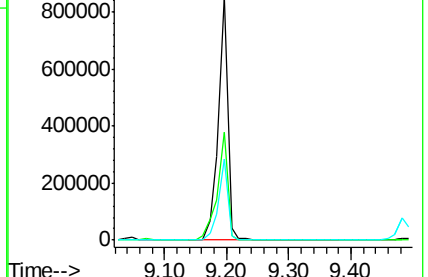
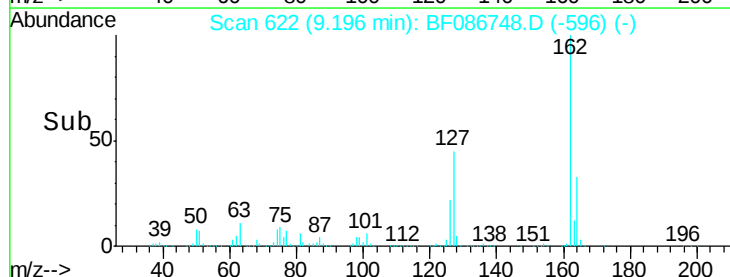
164 33.1 27.0 40.6

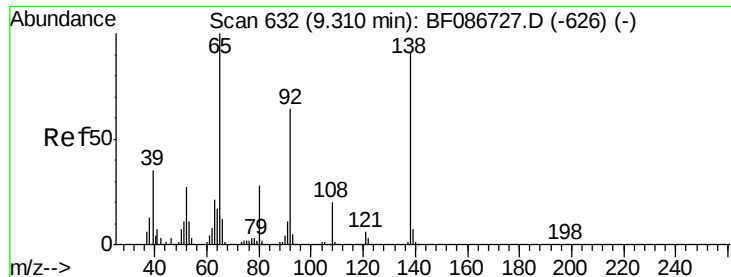


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





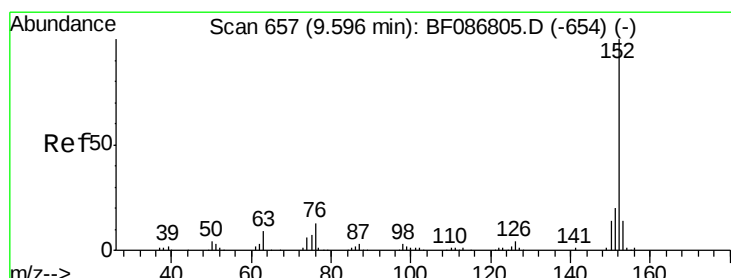
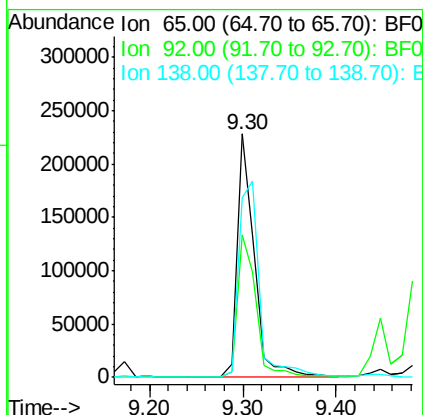
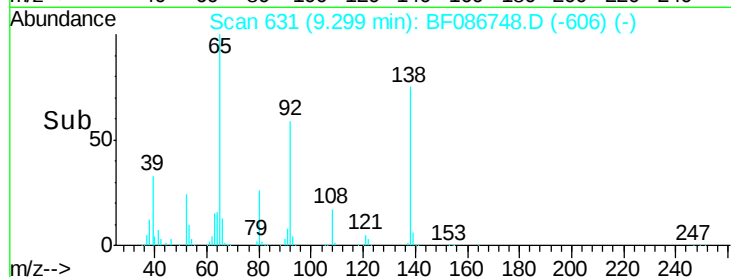
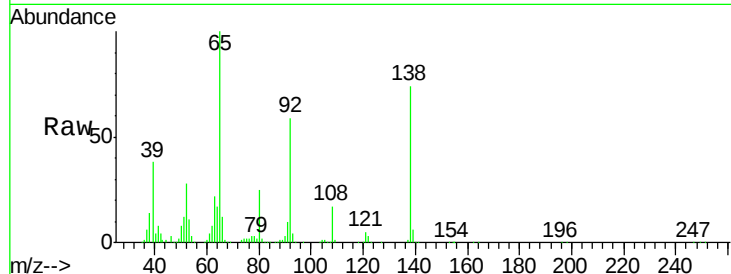
#47
2-Nitroaniline
Concen: 38.80 ng
RT: 9.30 min Scan# 631
Delta R.T. -0.01 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Instrument :
BNA_F
ClientSampleId :
PB90223BS

Tgt Ion	Ratio	Lower	Upper
65	100		
92	58.6	57.4	86.2
138	73.9	90.1	135.1#

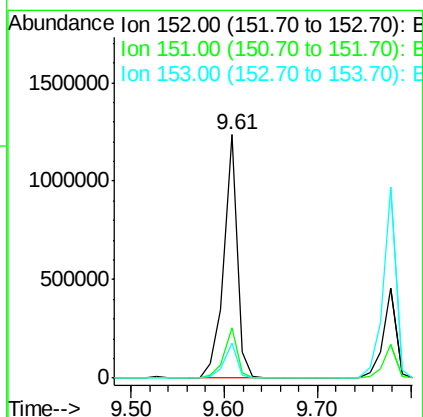
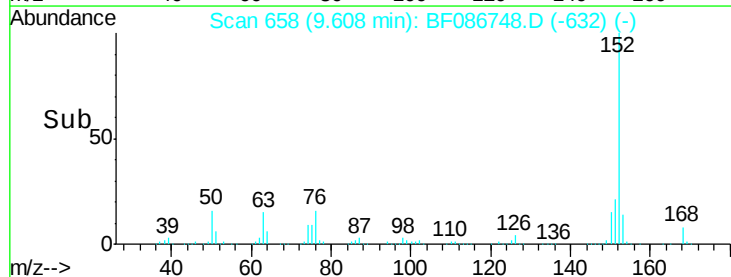
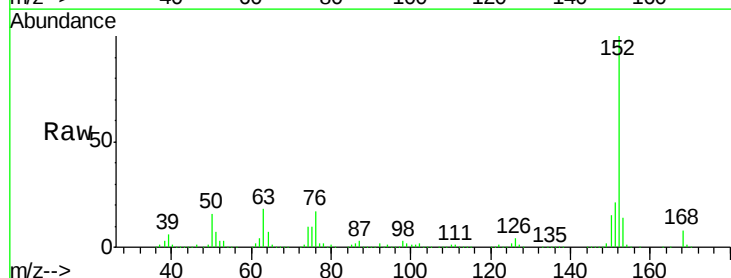
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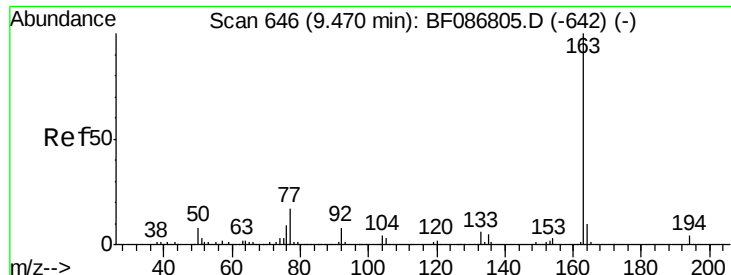
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#48
Acenaphthylene
Concen: 39.35 ng
RT: 9.61 min Scan# 658
Delta R.T. 0.00 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.8	25.2
153	14.2	10.9	16.3





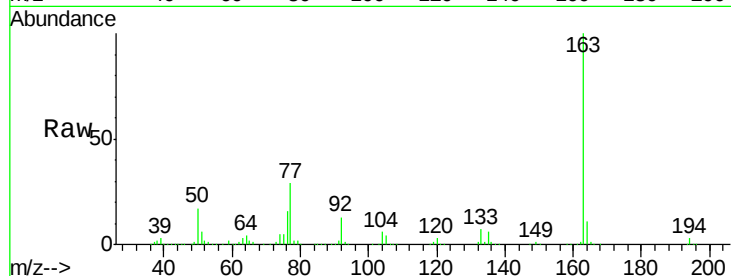
#49
Dimethylphthalate
Concen: 39.14 ng
RT: 9.48 min Scan# 647
Delta R.T. -0.01 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Instrument :
BNA_F
ClientSampleId :
PB90223BS

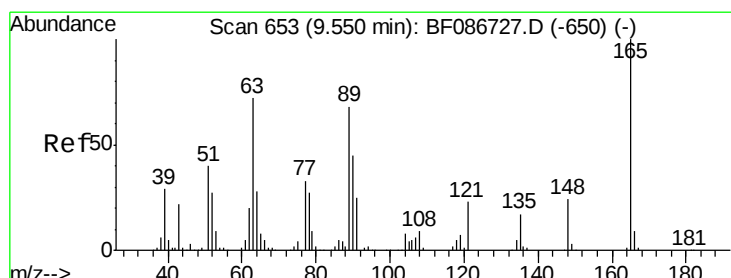
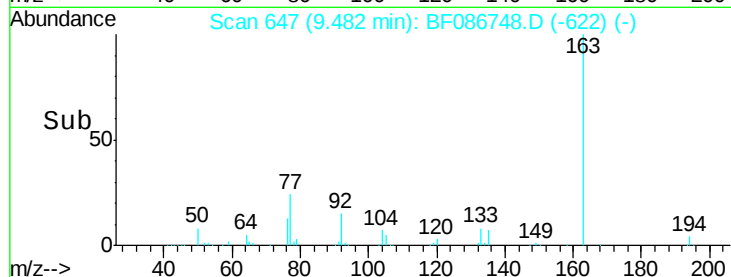
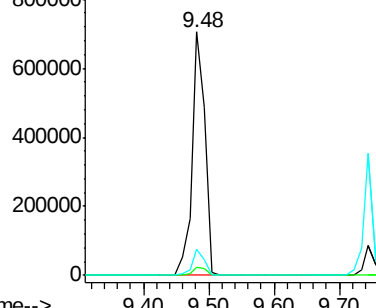
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.1	2.6	4.0
164	10.7	8.2	12.4

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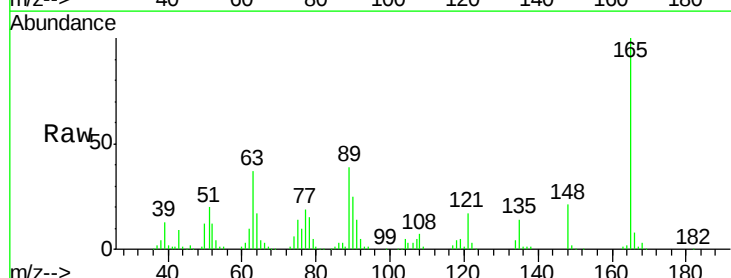


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

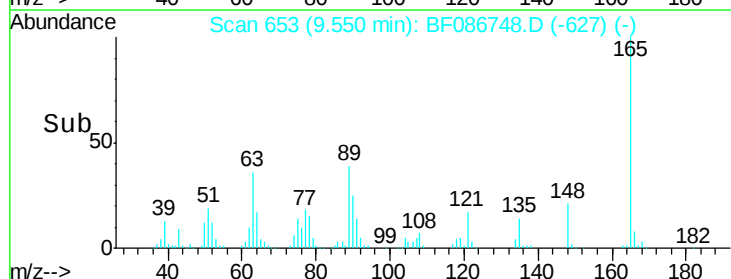
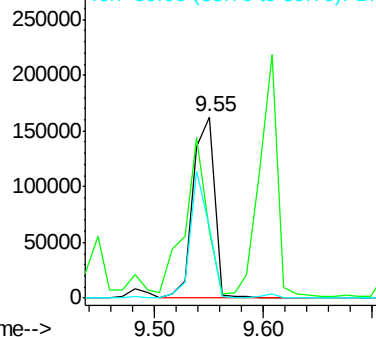


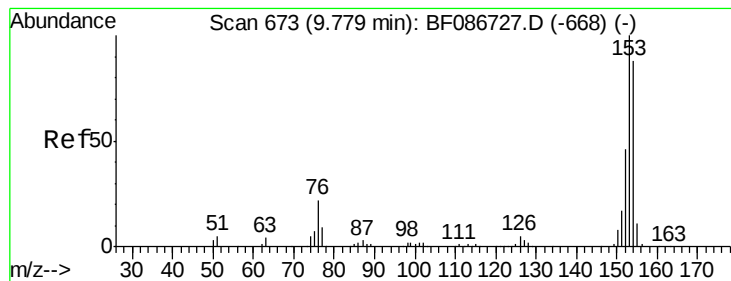
#50
2,6-Dinitrotoluene
Concen: 41.29 ng
RT: 9.55 min Scan# 653
Delta R.T. 0.00 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	36.9	51.8	77.8#
89	39.5	50.7	76.1#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 39.30 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.00 min

Lab File: BF086748.D

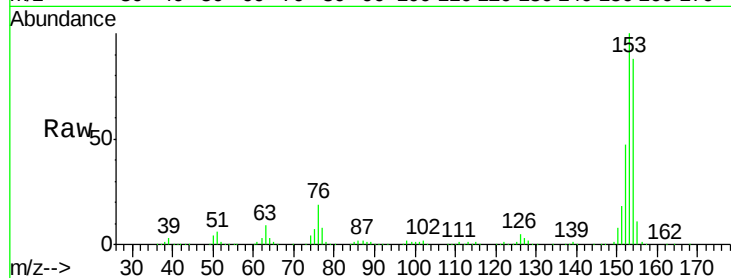
Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampleId :

PB90223BS



Tgt Ion:154 Resp: 818962

Ion Ratio Lower Upper

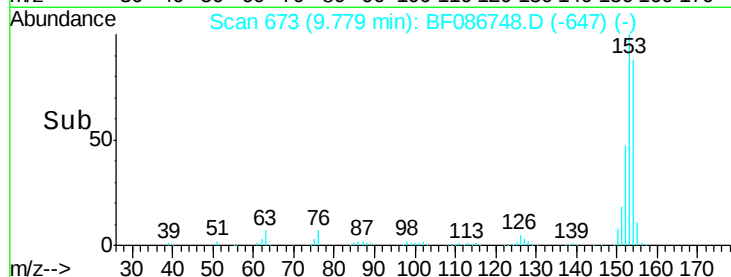
154 100

153 113.1 89.8 134.6

152 53.5 43.4 65.0

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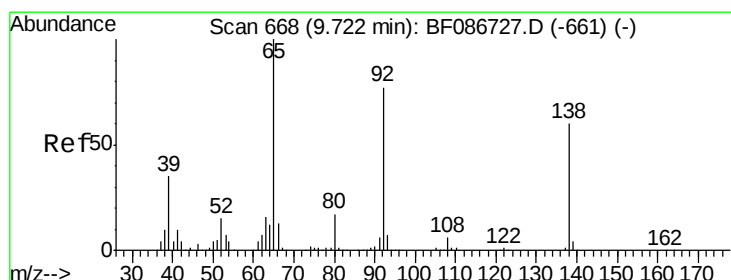
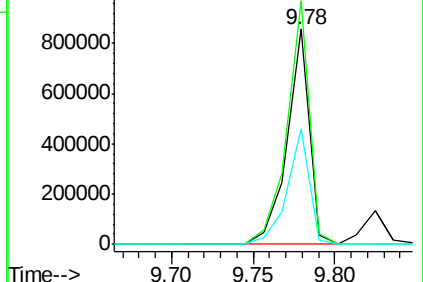
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 18.02 ng

RT: 9.72 min Scan# 668

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

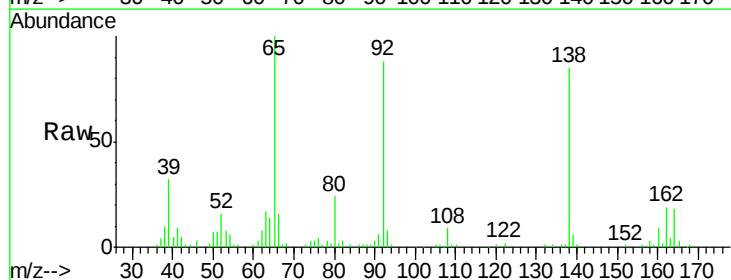
Tgt Ion:138 Resp: 110553

Ion Ratio Lower Upper

138 100

108 10.5 7.8 11.6

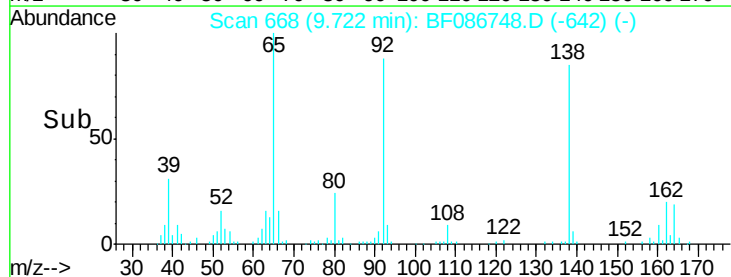
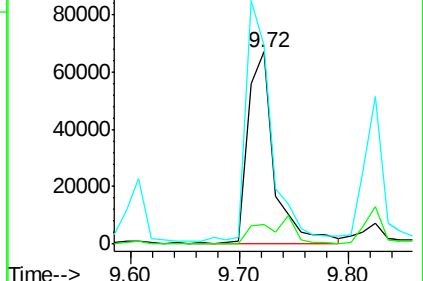
92 103.9 87.8 131.8

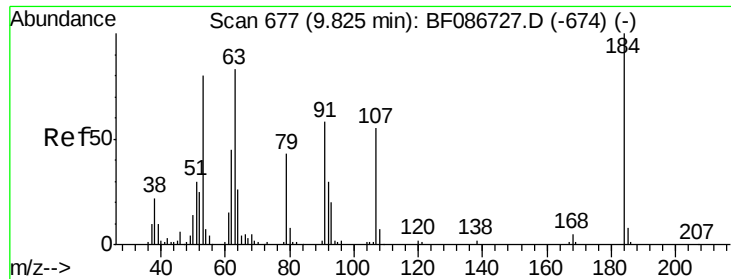


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

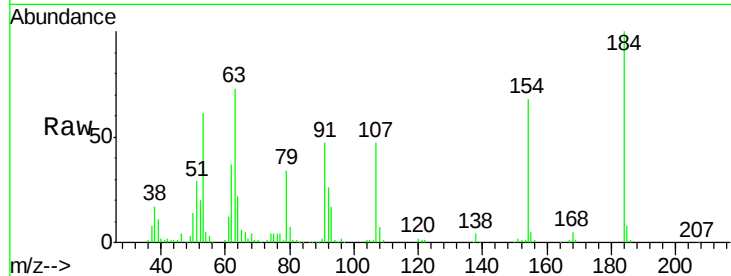
Ion 92.00 (91.70 to 92.70): BF0





#53
 2,4-Dinitrophenol
 Concen: 87.70 ng
 RT: 9.82 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

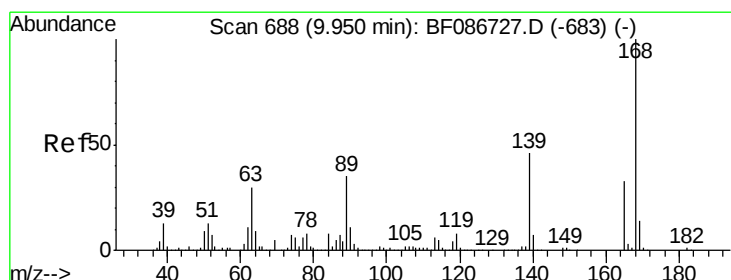
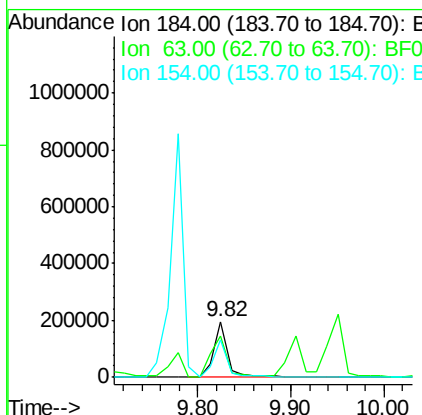
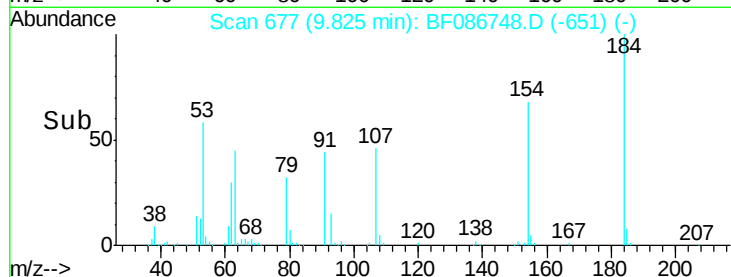
Instrument :
 BNA_F
 ClientSampleId :
 PB90223BS



Tgt Ion	Ratio	Resp	Lower	Upper
184	100	206572		
63	73.1	55.8	83.8	
154	67.9	62.4	93.6	

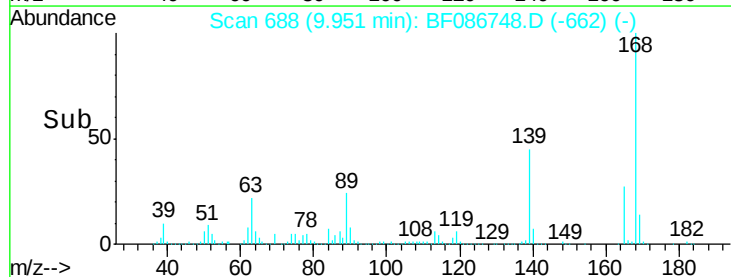
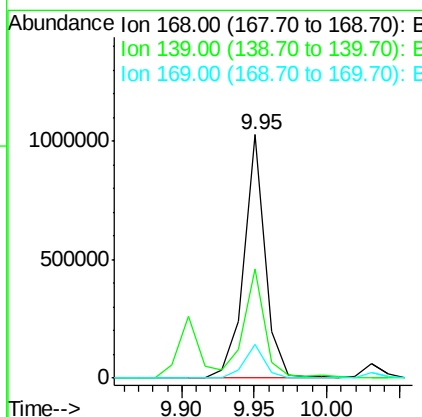
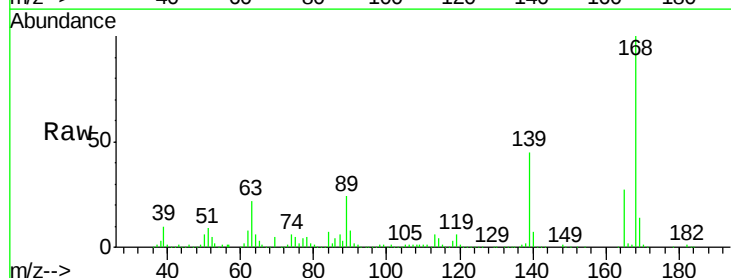
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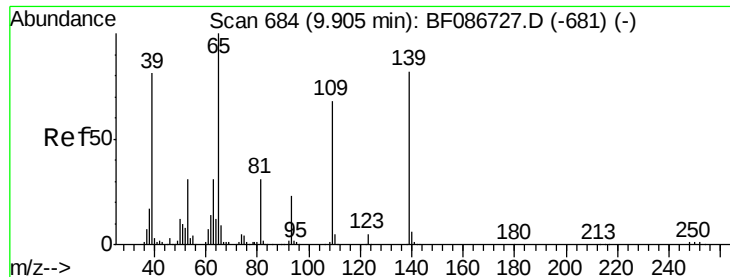
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#54
 Dibenzofuran
 Concen: 40.30 ng
 RT: 9.95 min Scan# 688
 Delta R.T. 0.00 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1040835		
139	45.0	31.4	47.0	
169	14.0	10.7	16.1	





#55

4-Nitrophenol

Concen: 76.57 ng

RT: 9.90 min Scan# 684

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampleId :

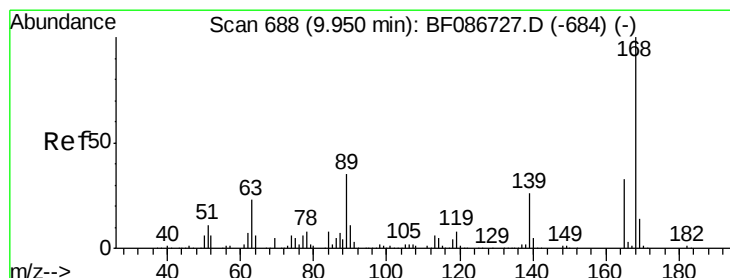
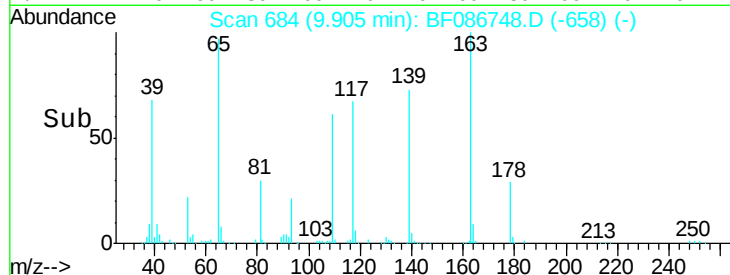
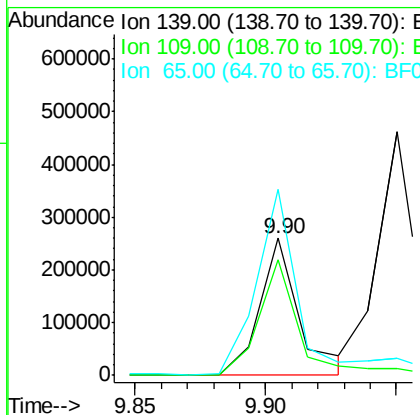
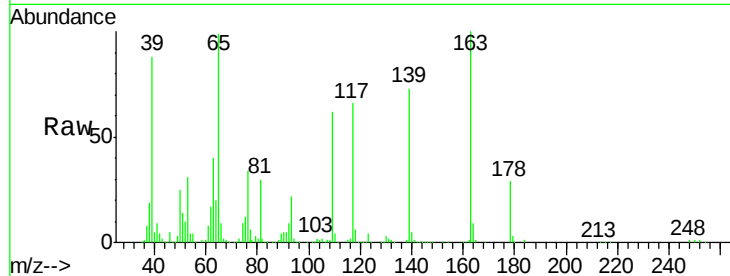
PB90223BS

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Tgt Ion	Ratio	Resp	Lower	Upper
139	100	273832		
109	84.7	36.9	76.9#	
65	136.1	64.0	104.0#	



#56

2,4-Dinitrotoluene

Concen: 42.49 ng

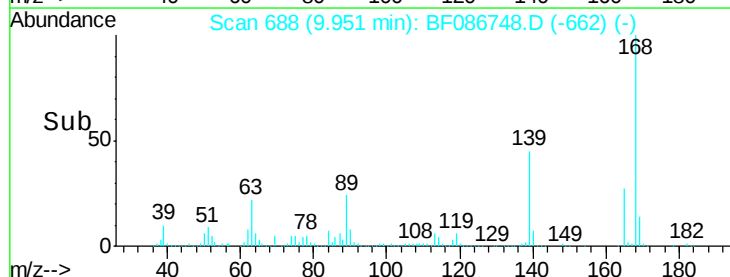
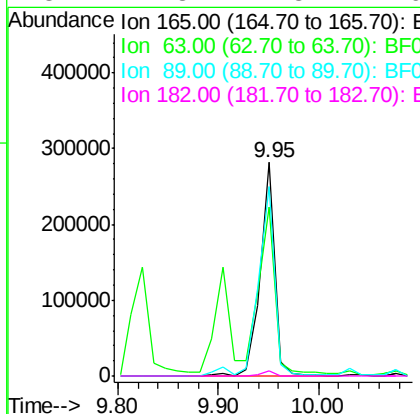
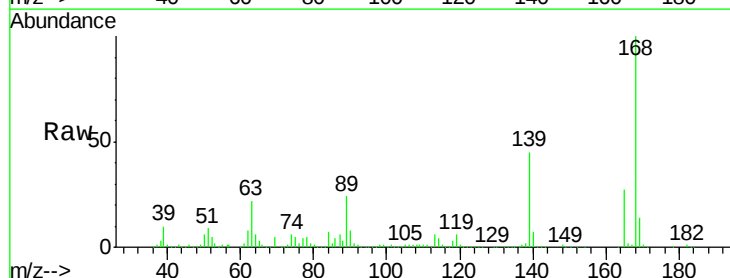
RT: 9.95 min Scan# 688

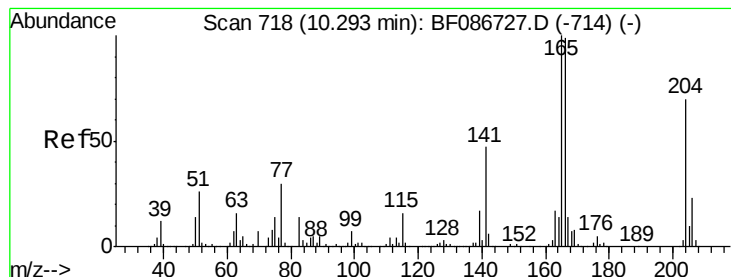
Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	284155		
63	79.3	44.3	66.5#	
89	88.8	70.0	105.0	
182	2.3	1.8	2.6	





#57

Fluorene

Concen: 43.00 ng

RT: 10.29 min Scan# 718

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

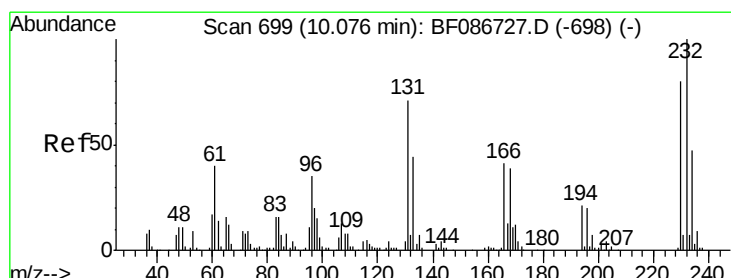
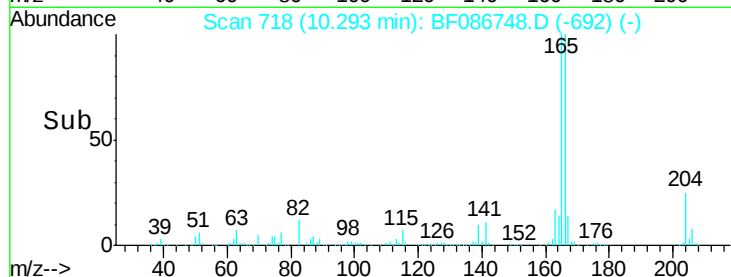
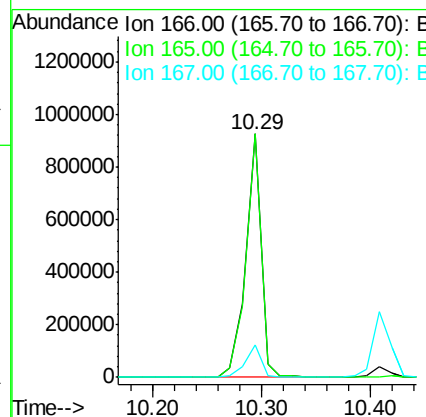
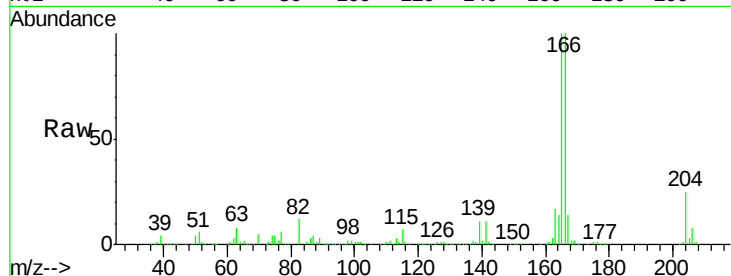
ClientSampleId :

PB90223BS

Tgt Ion:	166	Resp:	900149
Ion Ratio	Lower	Upper	
166	100		
165	99.9	79.0	118.6
167	13.6	10.6	15.8

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#58

2,3,4,6-Tetrachlorophenol

Concen: 49.18 ng

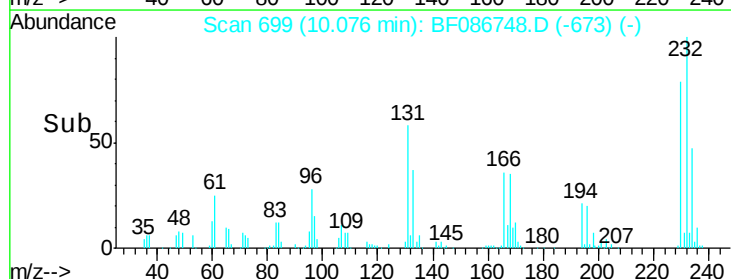
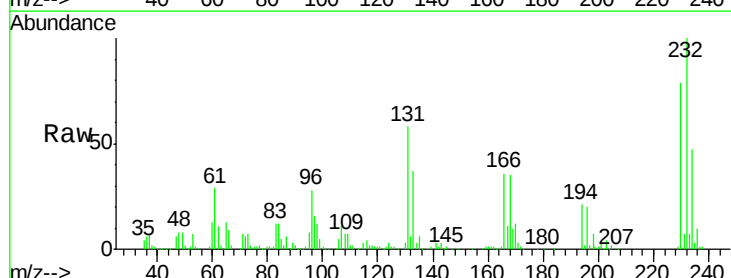
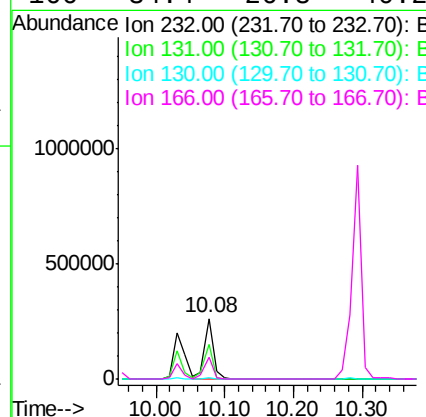
RT: 10.08 min Scan# 699

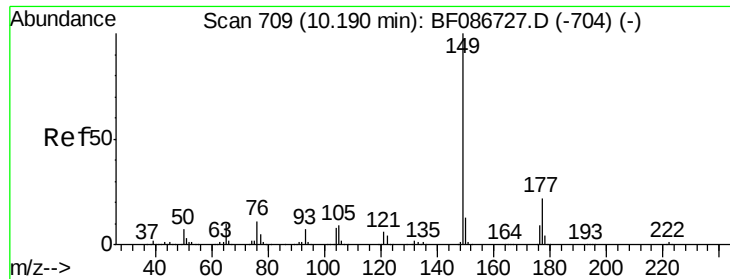
Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Tgt Ion:	232	Resp:	234260
Ion Ratio	Lower	Upper	
232	100		
131	56.8	41.9	62.9
130	3.0	2.2	3.4
166	34.4	26.8	40.2





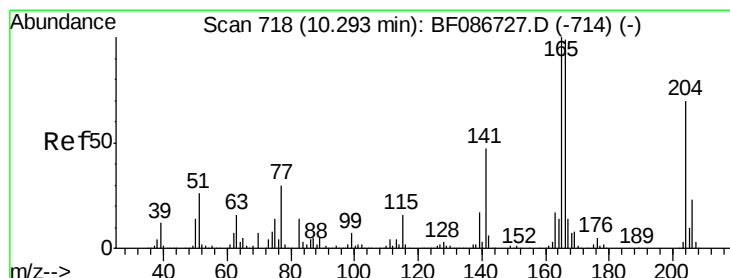
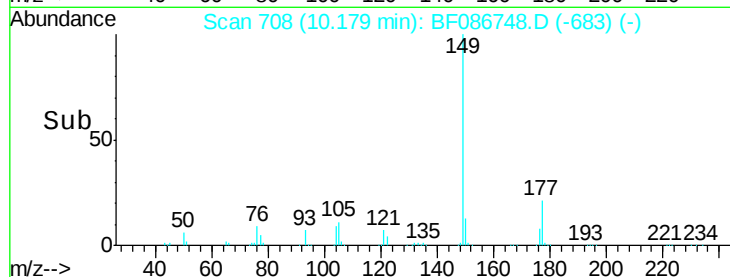
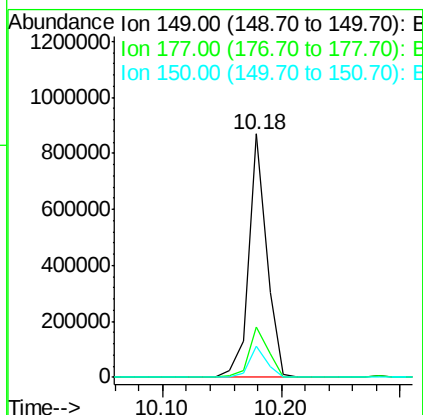
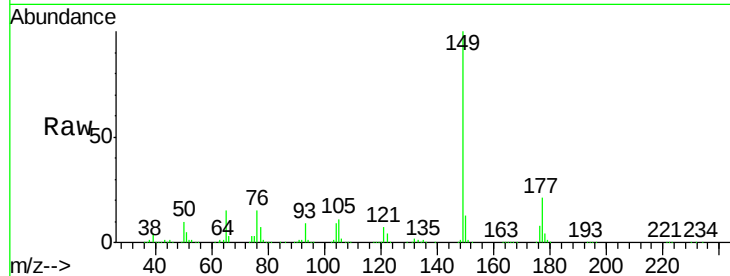
#59
Diethylphthalate
Concen: 38.83 ng
RT: 10.18 min Scan# 708
Delta R.T. -0.01 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Instrument :
BNA_F
ClientSampleId :
PB90223BS

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	924167		
177	20.7	16.6	24.8	
150	13.0	10.0	15.0	

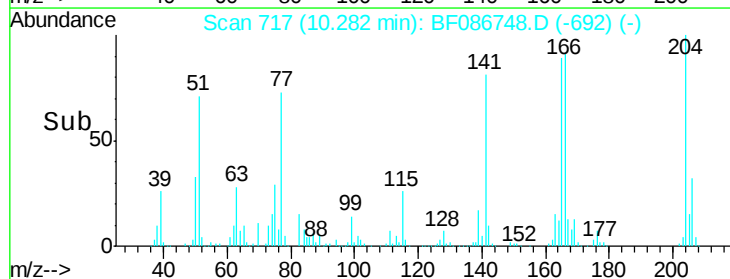
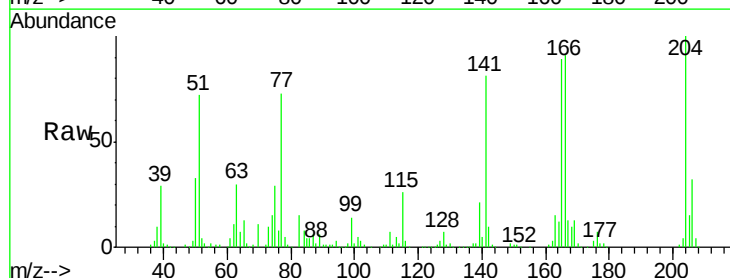
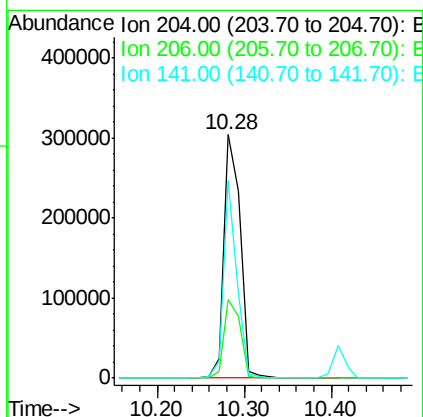
Manual Integrations
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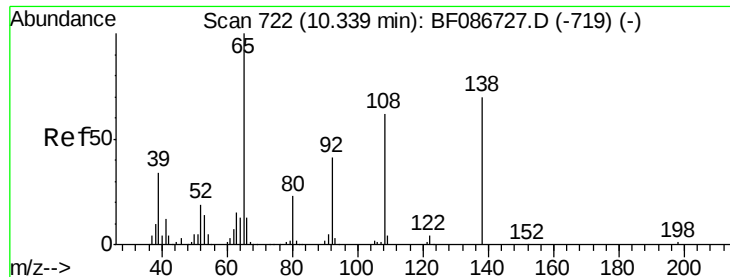
Sohil
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#60
4-Chlorophenyl-phenylether
Concen: 39.95 ng
RT: 10.28 min Scan# 717
Delta R.T. -0.01 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	397537		
206	32.2	25.4	38.0	
141	81.3	61.6	92.4	





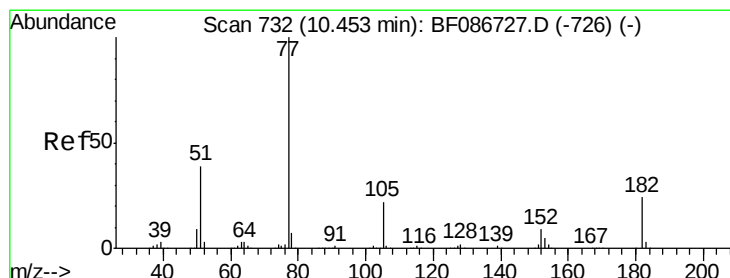
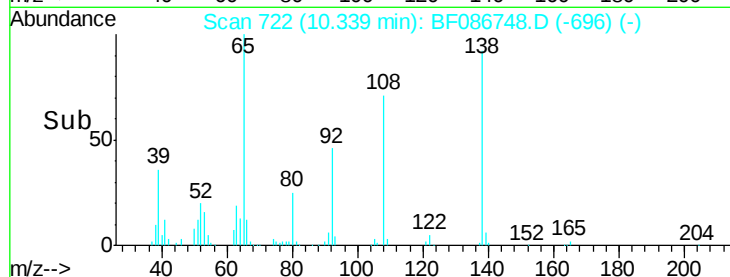
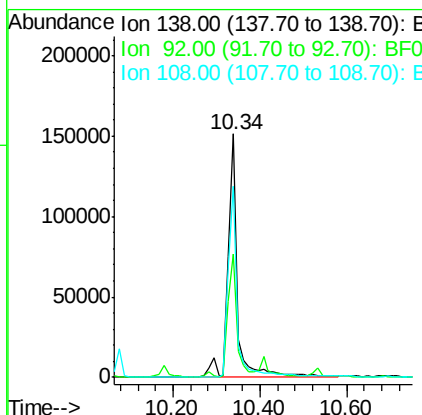
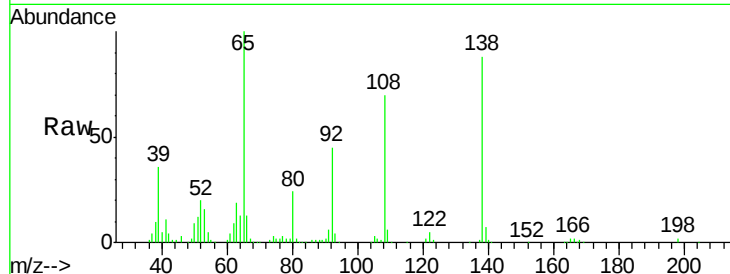
#61
4-Nitroaniline
Concen: 38.45 ng
RT: 10.34 min Scan# 722
Delta R.T. 0.00 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Instrument :
BNA_F
ClientSampleId :
PB90223BS

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	226599		
92	50.6	24.7	64.7	
108	78.7	37.4	77.4#	

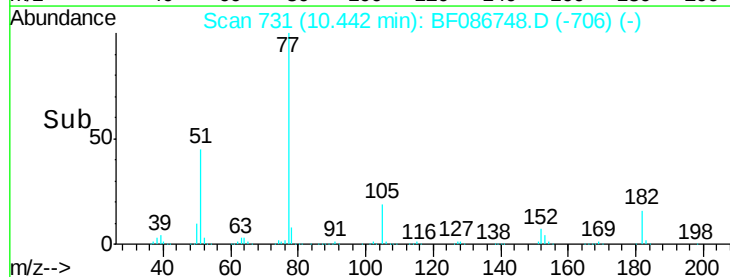
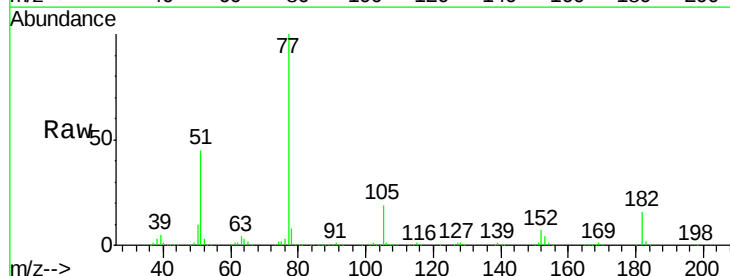
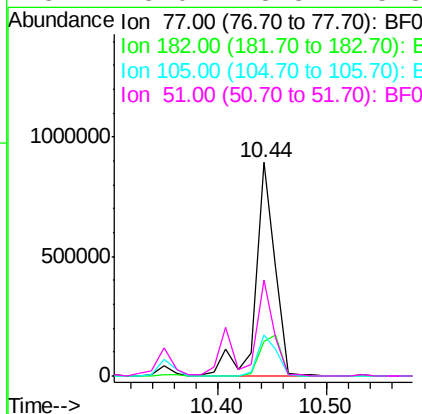
Manual Integrations
APPROVED

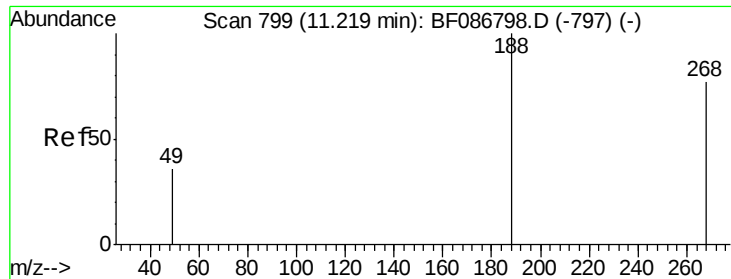
Sohil
5/9/2016 7:17:20 PM



#62
Azobenzene
Concen: 41.94 ng
RT: 10.44 min Scan# 731
Delta R.T. -0.01 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	1105978		
182	16.1	0.0	38.8	
105	19.5	3.2	43.2	
51	45.0	8.8	48.8	





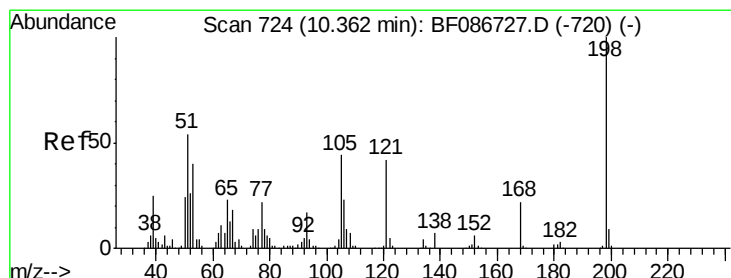
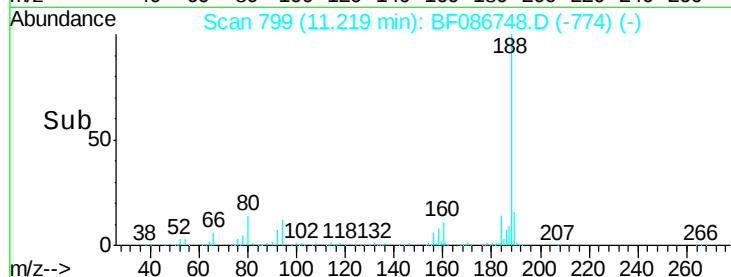
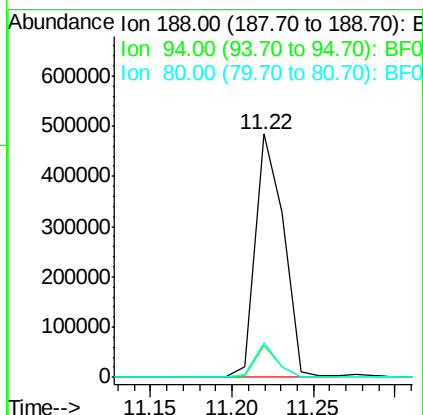
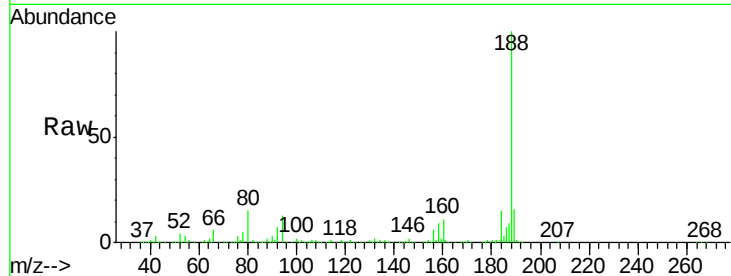
#63
 Phenanthrene-d10
 Concen: 40.00 ng
 RT: 11.22 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Instrument :
 BNA_F
 ClientSampleId :
 PB90223BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	13.2	6.8	10.2#
80	14.5	7.1	10.7#

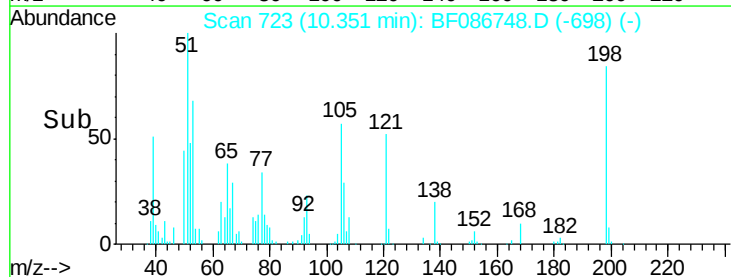
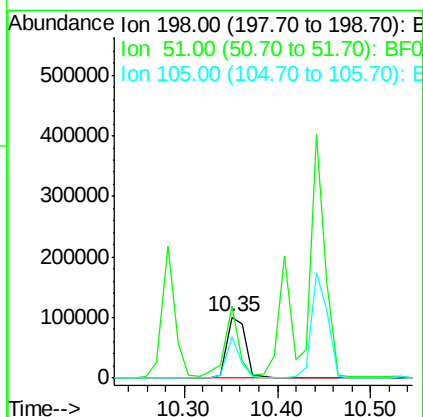
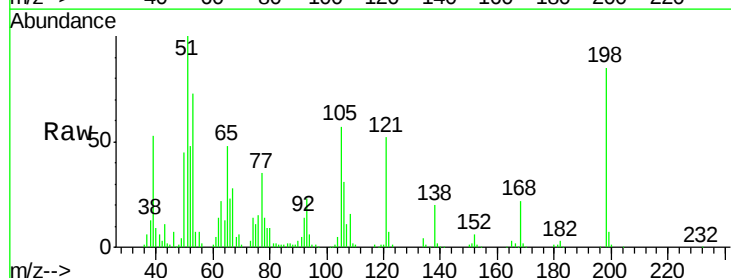
Manual Integrations
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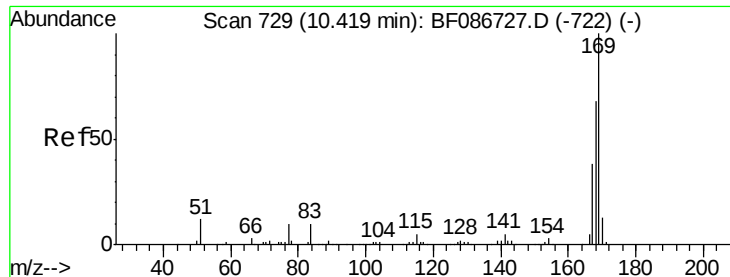
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#64
 4,6-Dinitro-2-methylphenol
 Concen: 47.86 ng
 RT: 10.35 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	118.3	20.5	60.5#
105	67.2	24.5	64.5#





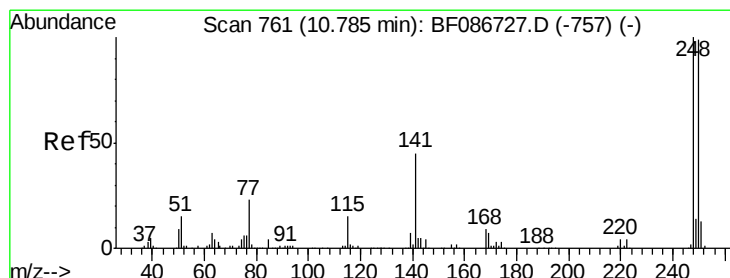
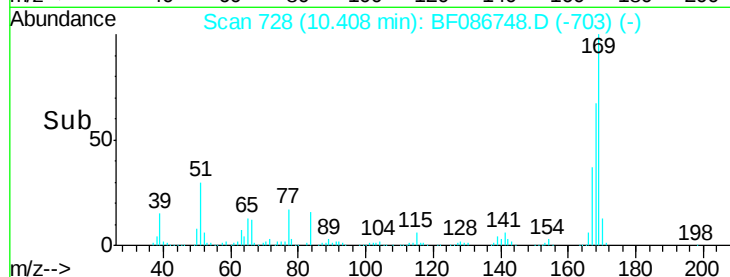
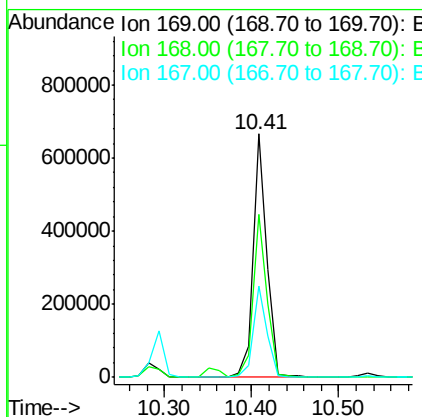
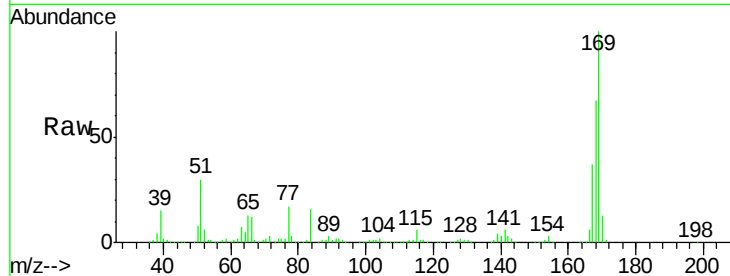
#65
n-Nitrosodiphenylamine
Concen: 40.20 ng
RT: 10.41 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Instrument :
BNA_F
ClientSampleId :
PB90223BS

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	746571		
168	66.8	53.8	80.6	
167	37.5	29.5	44.3	

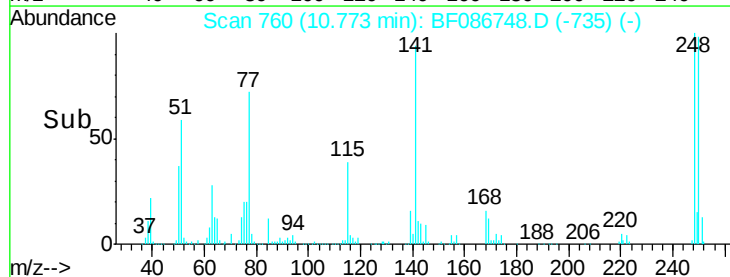
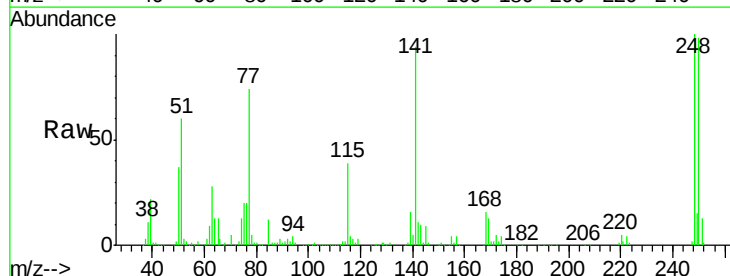
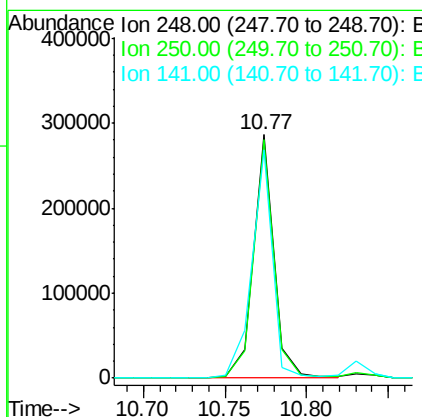
Manual Integrations
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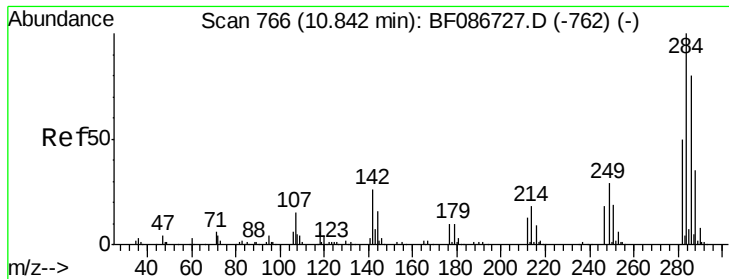
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#66
4-Bromophenyl-phenylether
Concen: 43.00 ng
RT: 10.77 min Scan# 760
Delta R.T. -0.01 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	249953		
250	97.8	78.6	117.8	
141	93.9	76.0	114.0	





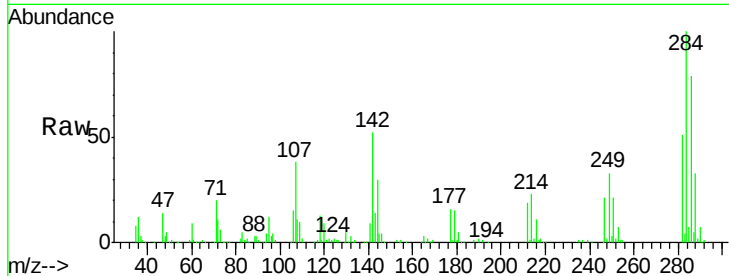
#67
Hexachlorobenzene
Concen: 40.96 ng
RT: 10.83 min Scan# 765
Delta R.T. -0.01 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Instrument :
BNA_F
ClientSampleId :
PB90223BS

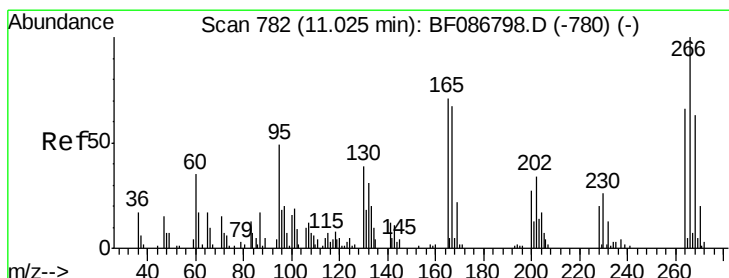
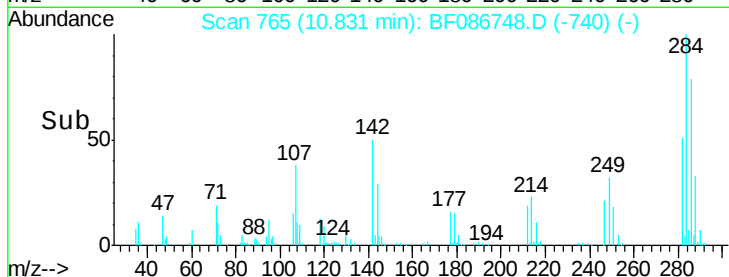
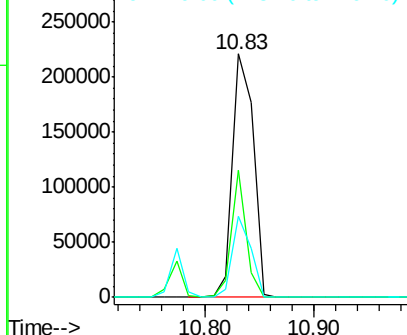
Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	52.5	16.7	25.1#
249	33.1	21.3	31.9#

Manual Integrations
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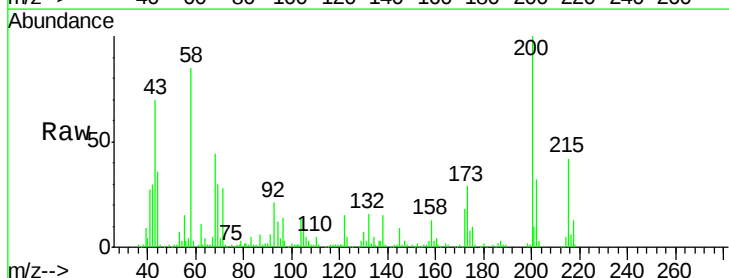


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

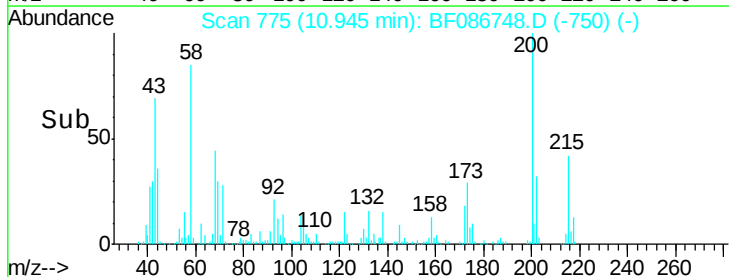
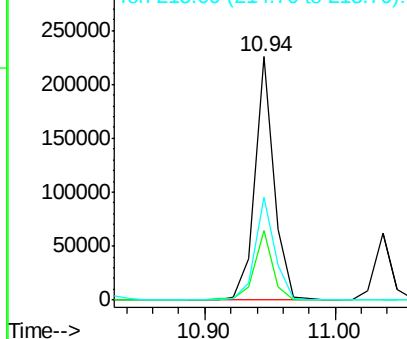


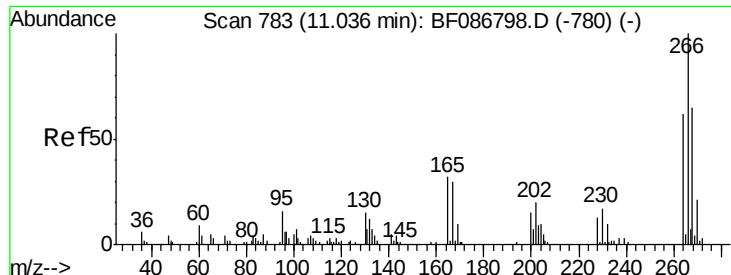
#68
Atrazine
Concen: 40.75 ng
RT: 10.94 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	28.5	8.5	48.5
215	42.1	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





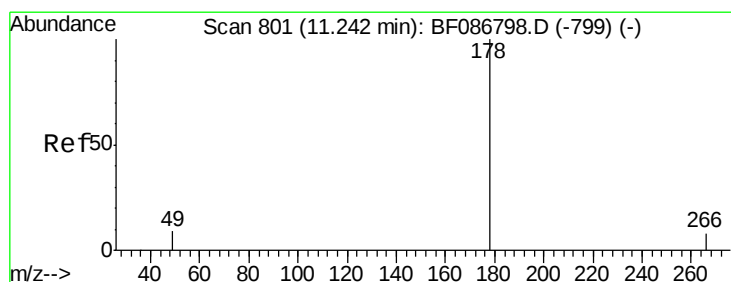
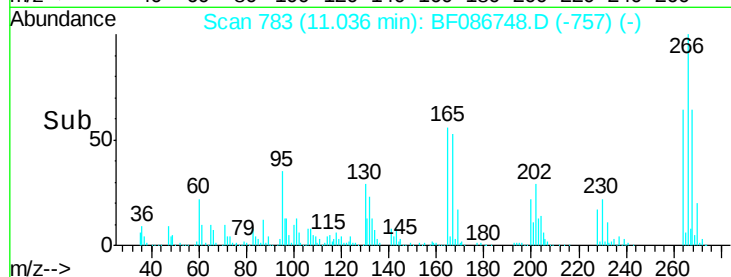
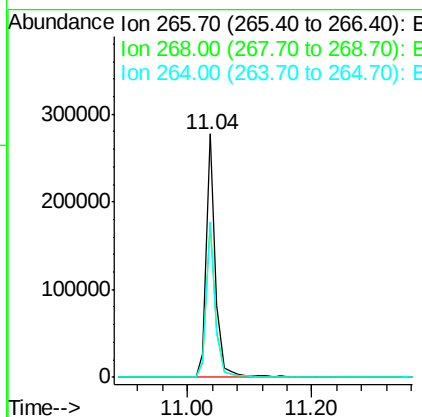
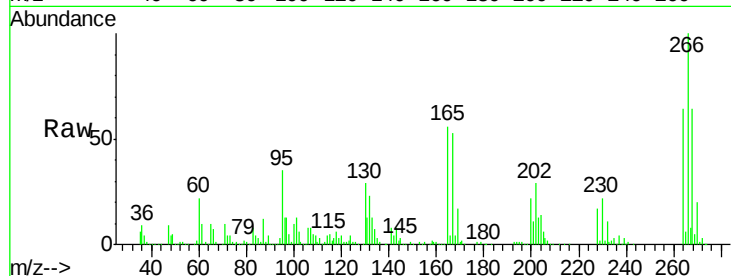
#69
 Pentachlorophenol
 Concen: 83.76 ng
 RT: 11.04 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Instrument :
 BNA_F
 ClientSampleId :
 PB90223BS

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	289128		
268	63.8	51.5	77.3	
264	63.9	52.9	79.3	

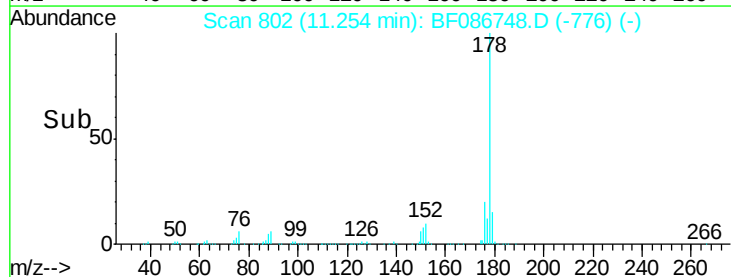
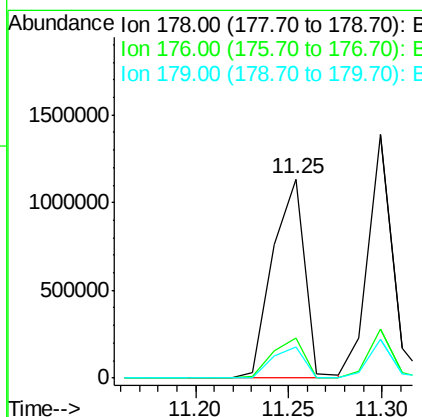
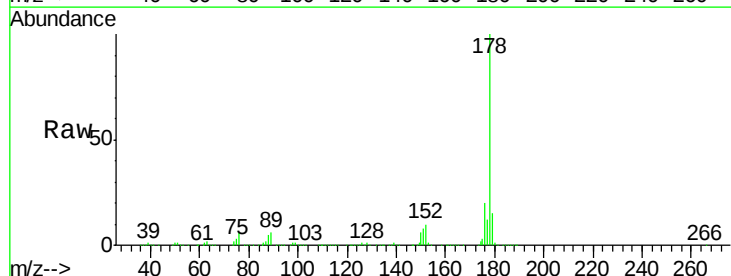
Manual Integrations
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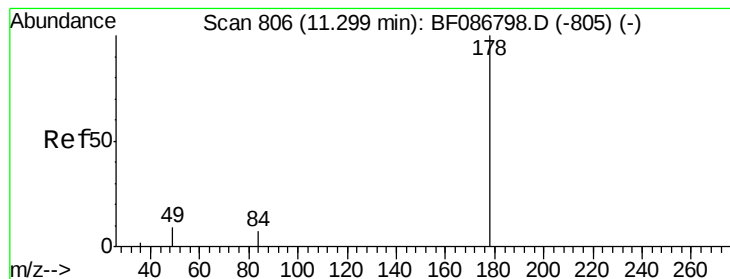
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#70
 Phenanthrene
 Concen: 43.10 ng
 RT: 11.25 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1353985		
176	20.1	16.0	24.0	
179	15.4	12.6	18.8	





#71

Anthracene

Concen: 38.78 ng

RT: 11.30 min Scan# 806

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampleId :

PB90223BS

Tgt Ion:178 Resp: 1275692

Ion Ratio Lower Upper

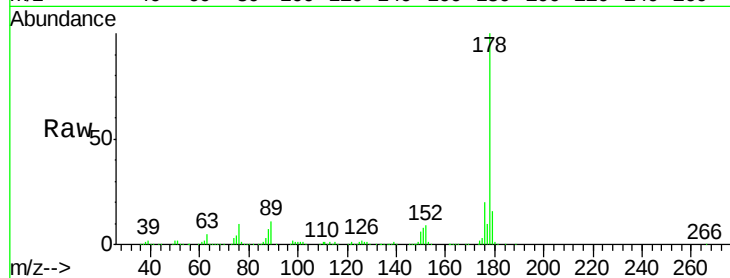
178 100

176 19.9 15.6 23.4

179 16.1 12.7 19.1

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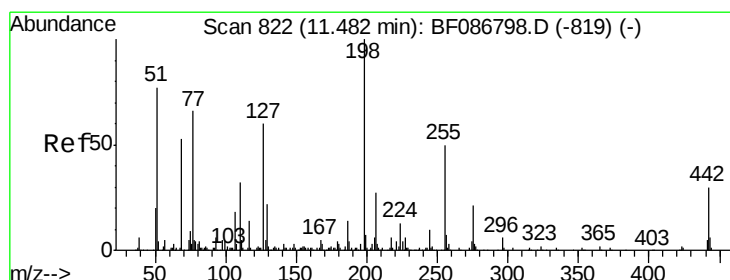
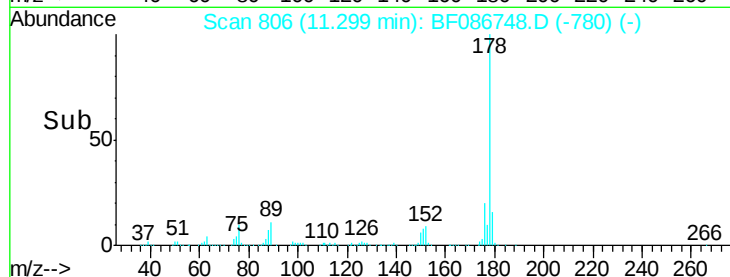
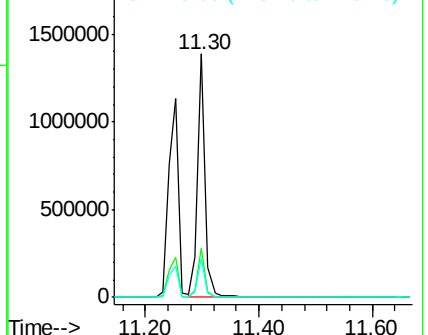
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 37.59 ng

RT: 11.46 min Scan# 820

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

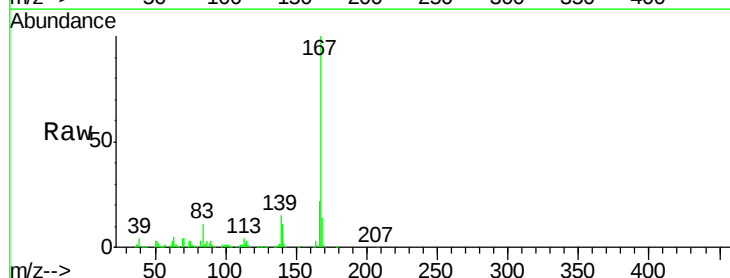
Tgt Ion:167 Resp: 1073845

Ion Ratio Lower Upper

167 100

166 22.1 17.7 26.5

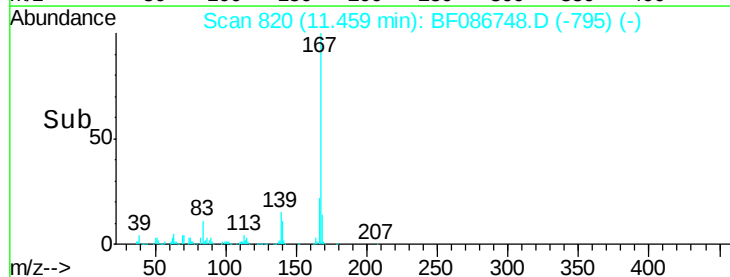
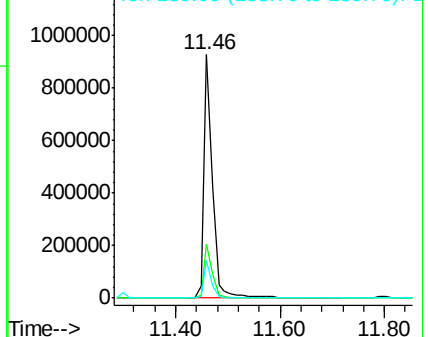
139 15.2 10.8 16.2

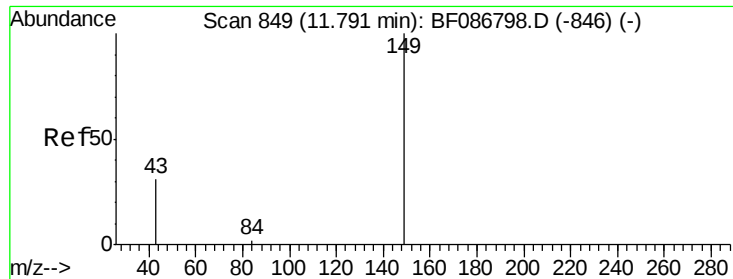


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 40.87 ng

RT: 11.79 min Scan# 849

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampled :

PB90223BS

Tgt Ion:149 Resp: 1386046

Ion Ratio Lower Upper

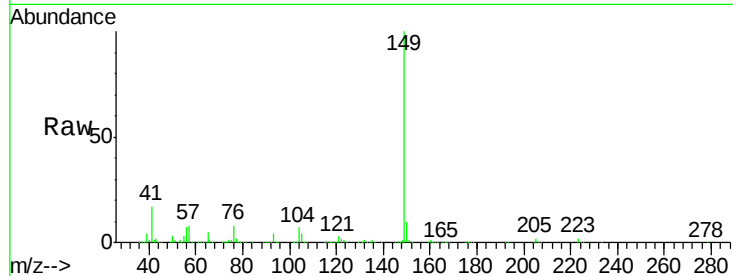
149 100

150 9.7 7.6 11.4

104 6.8 3.8 5.6#

Manual Integrations
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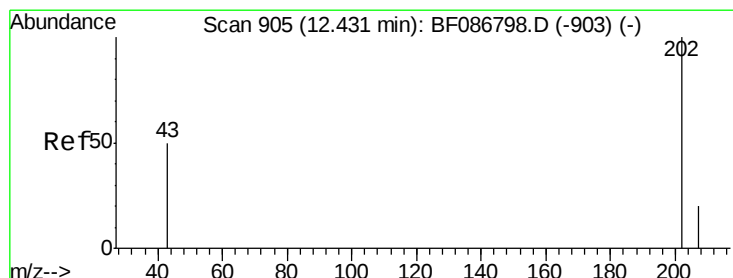
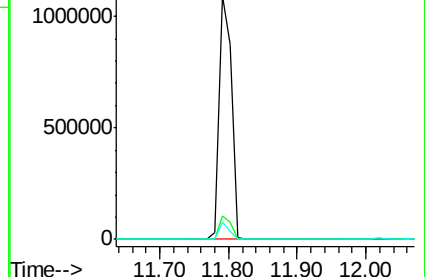
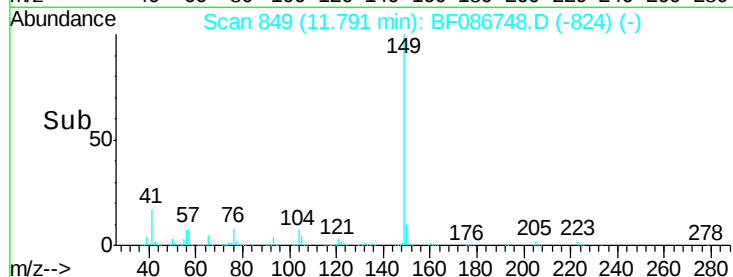
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 39.94 ng

RT: 12.43 min Scan# 905

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

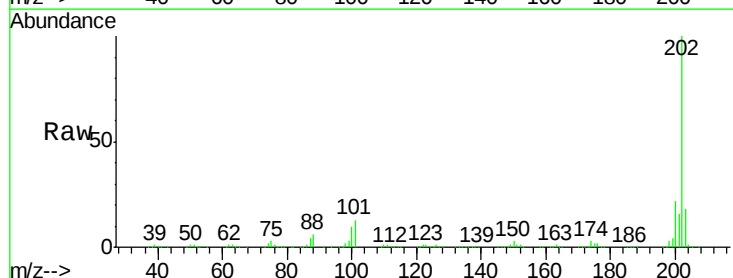
Tgt Ion:202 Resp: 1257543

Ion Ratio Lower Upper

202 100

101 12.8 0.0 35.4

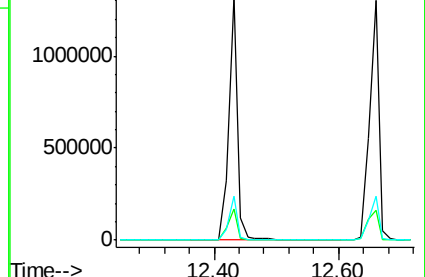
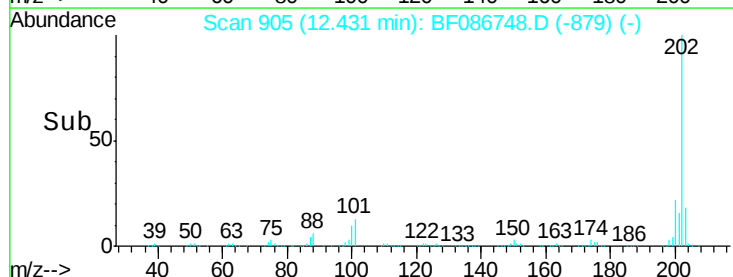
203 18.0 0.0 38.1

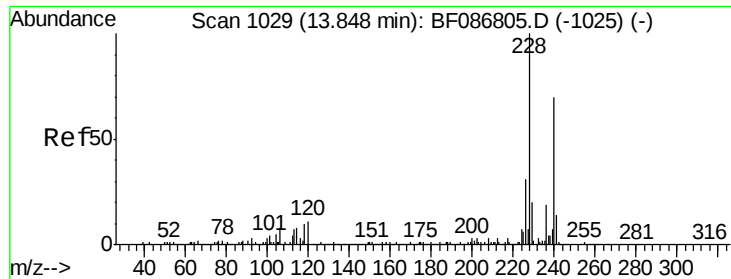


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 40.00 ng

RT: 13.86 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

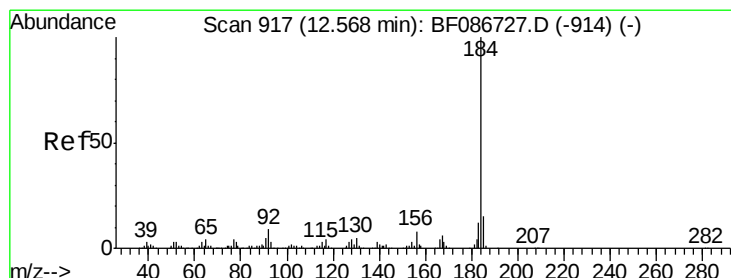
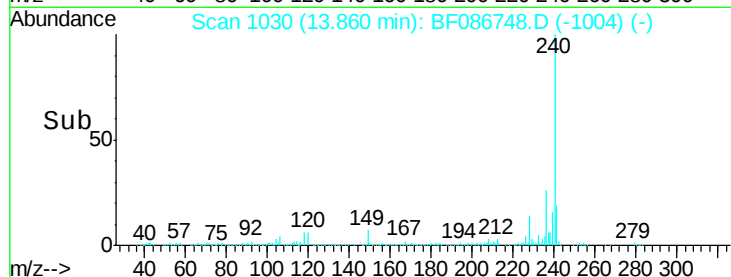
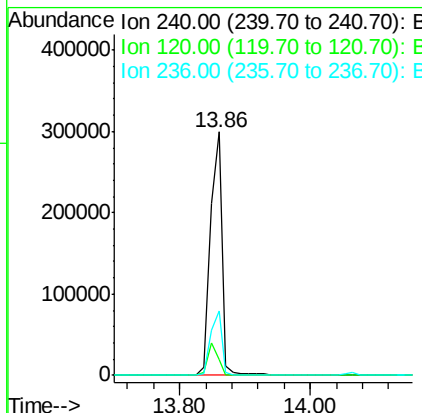
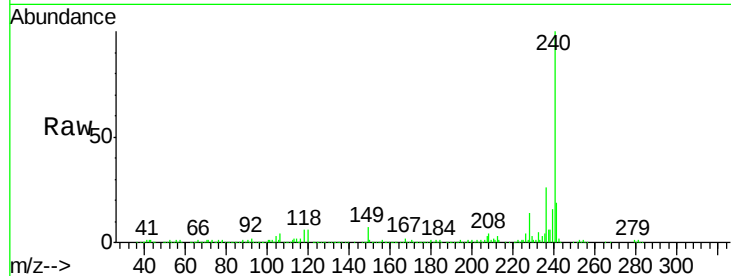
ClientSampleId :

PB90223BS

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	376982		
120	6.4	11.2	16.8#	
236	26.2	21.2	31.8	

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#76

Benzidine

Concen: 32.64 ng

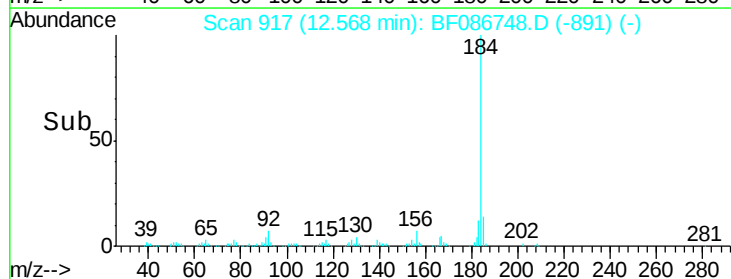
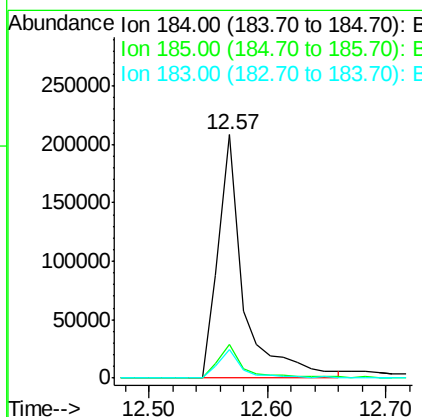
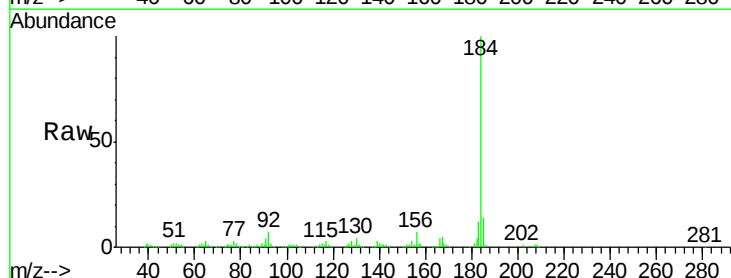
RT: 12.57 min Scan# 917

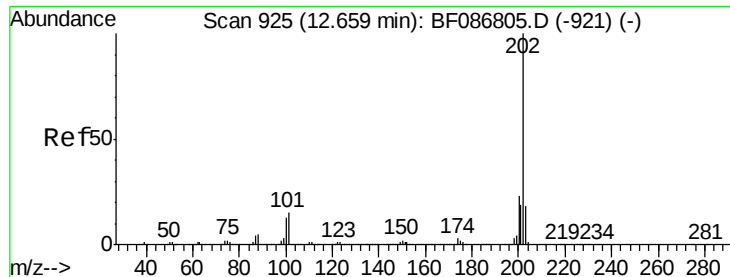
Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	309565		
185	14.0	13.6	20.4	
183	11.6	9.8	14.6	





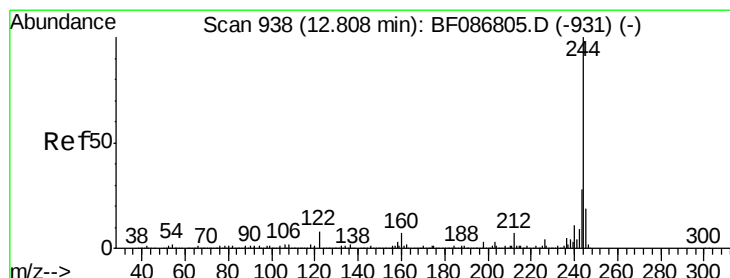
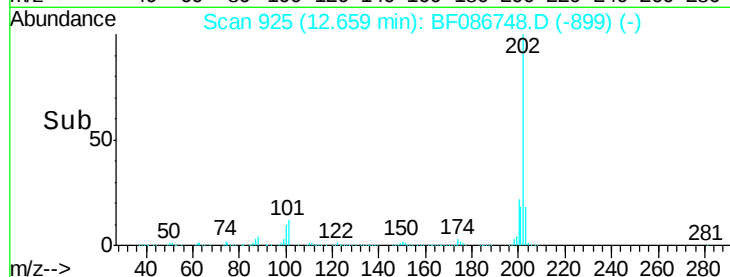
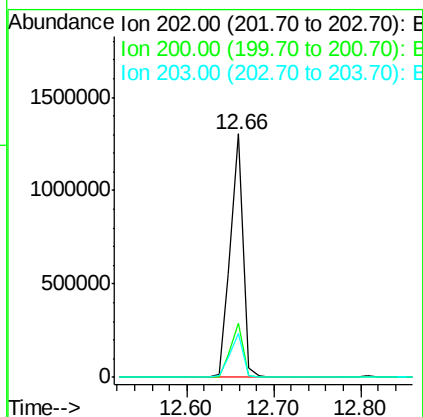
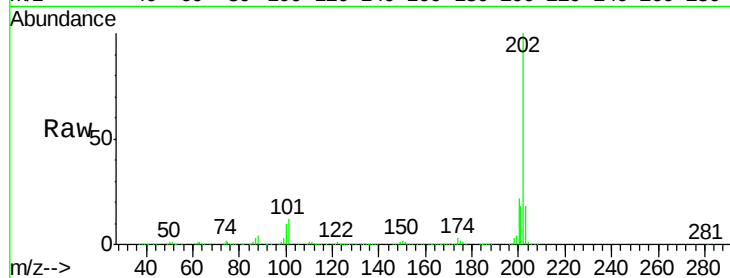
#77
 Pyrene
 Concen: 44.37 ng
 RT: 12.66 min Scan# 925
 Delta R.T. 0.00 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Instrument :
 BNA_F
 ClientSampleId :
 PB90223BS

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.7	26.5
203	18.2	14.2	21.4

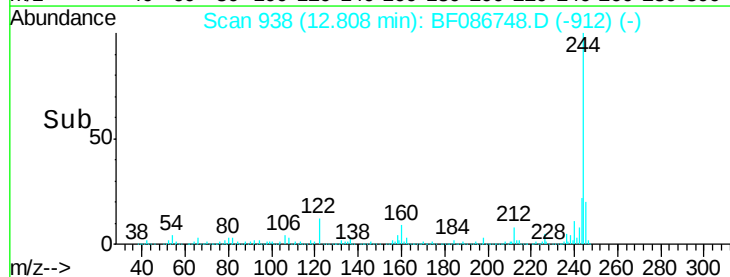
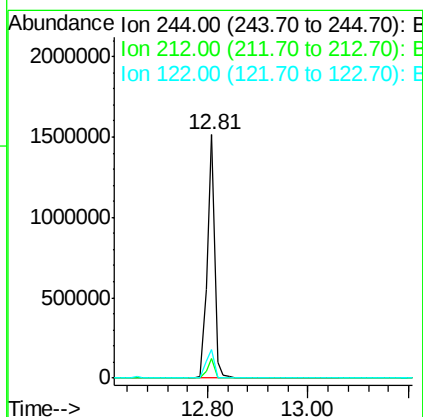
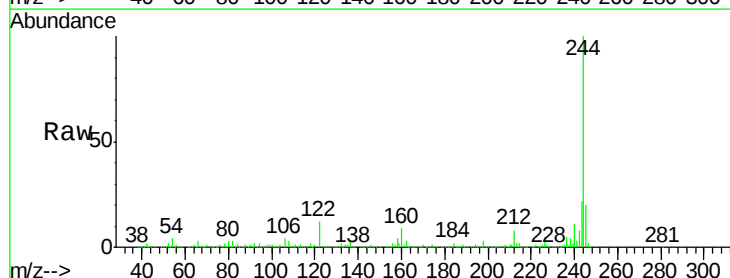
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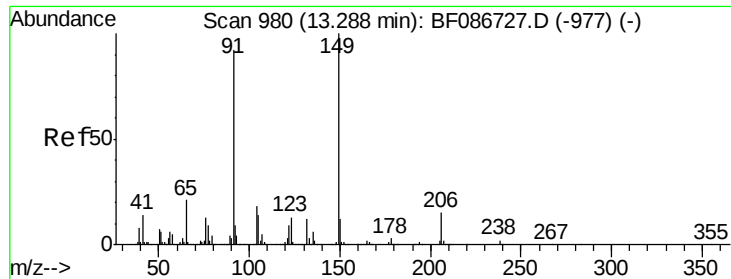
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#78
 Terphenyl-d14
 Concen: 82.24 ng
 RT: 12.81 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.2
122	12.0	12.0	18.0





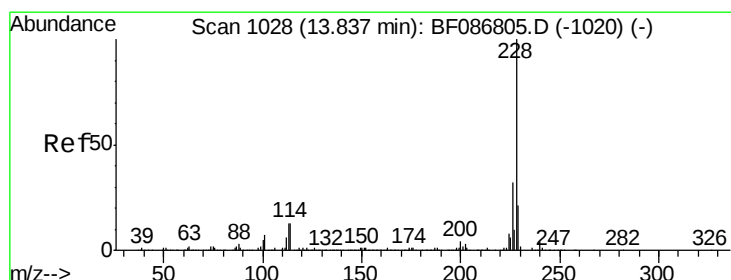
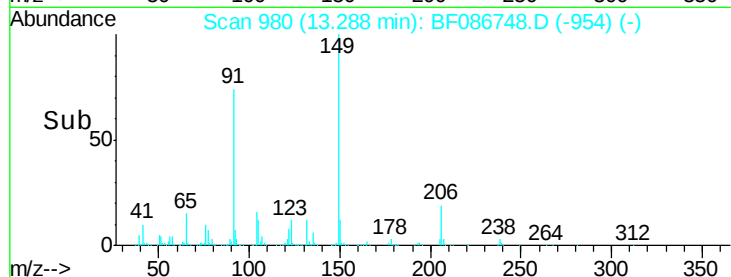
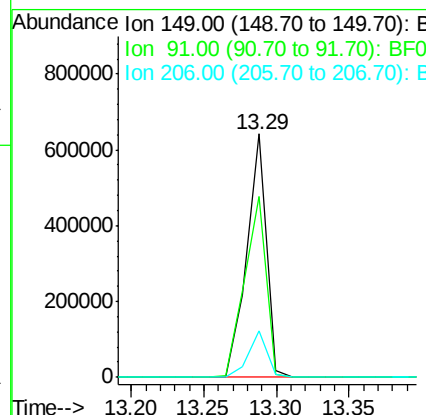
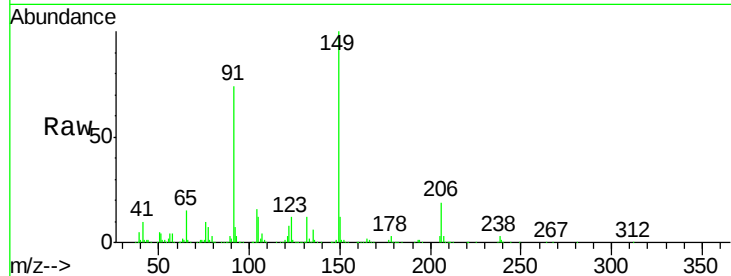
#79
Butylbenzylphthalate
Concen: 48.31 ng
RT: 13.29 min Scan# 980
Delta R.T. 0.00 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Instrument :
BNA_F
ClientSampleId :
PB90223BS

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
91	74.3	48.0	72.0#
206	19.0	15.8	23.6

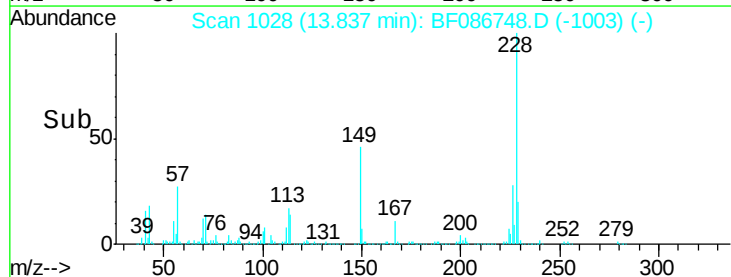
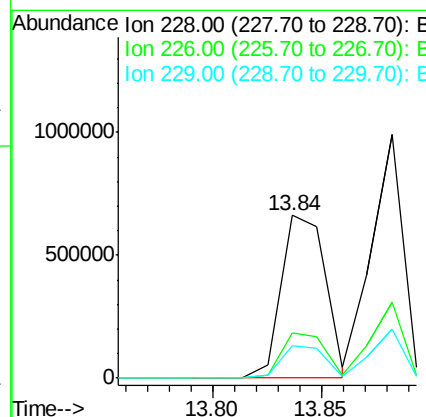
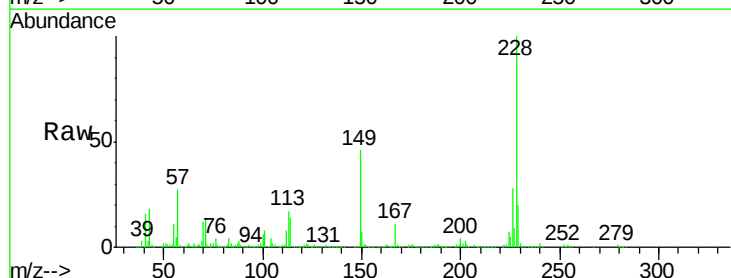
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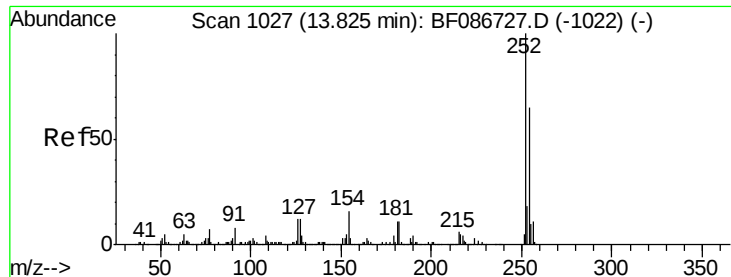
Sohil
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#80
Benzo(a)anthracene
Concen: 44.09 ng
RT: 13.84 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	27.8	22.5	33.7
229	20.2	16.6	25.0





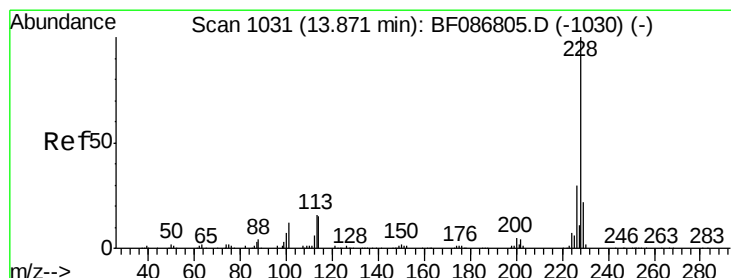
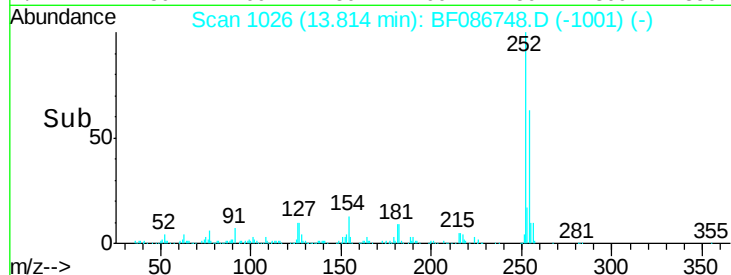
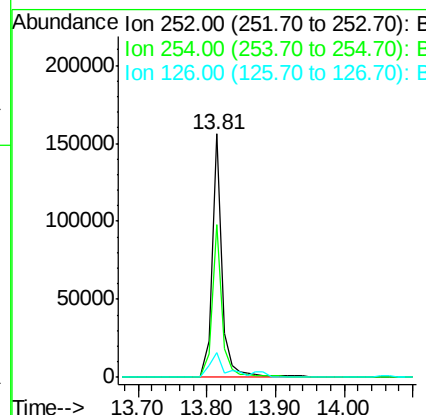
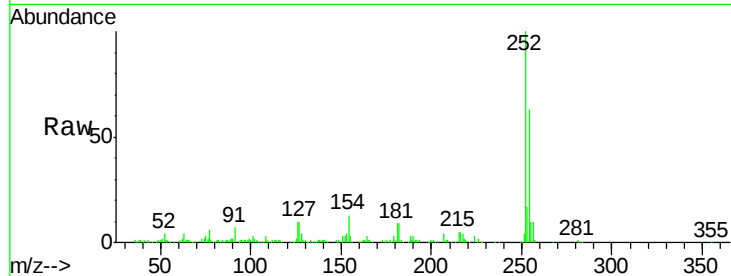
#81
 3,3'-Dichlorobenzidine
 Concen: 11.90 ng
 RT: 13.81 min Scan# 1026
 Delta R.T. -0.01 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Instrument :
 BNA_F
 ClientSampleId :
 PB90223BS

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	159483		
254	62.7	50.7	76.1	
126	10.0	12.7	19.1	

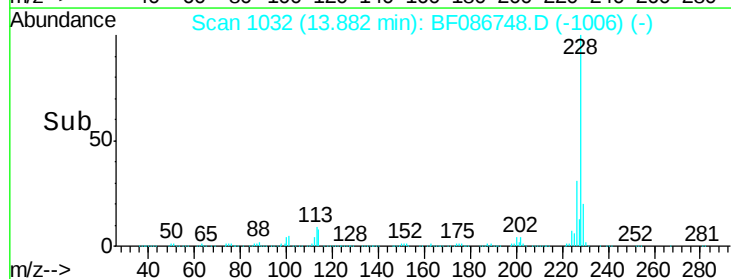
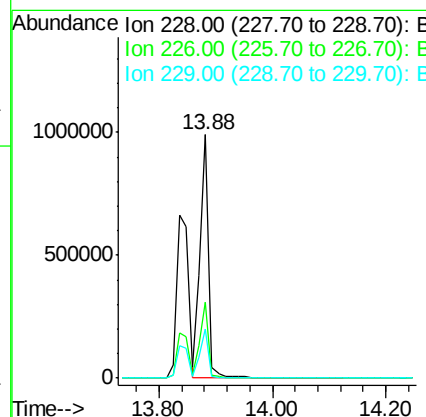
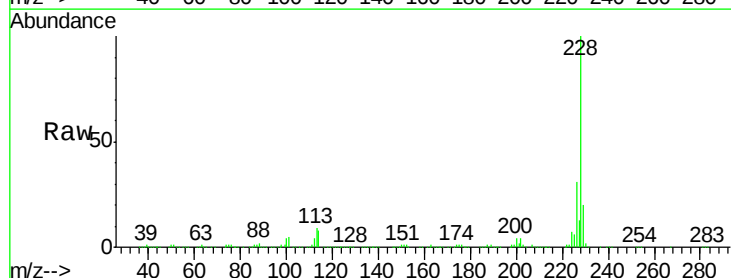
Manual Integrations
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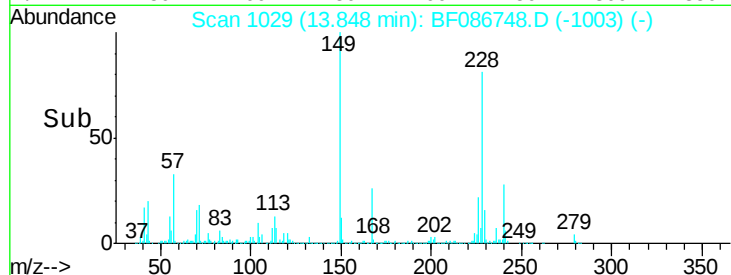
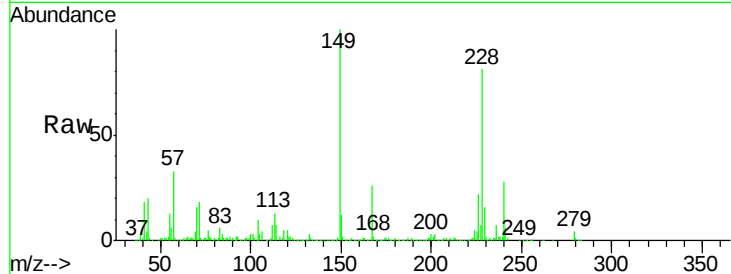
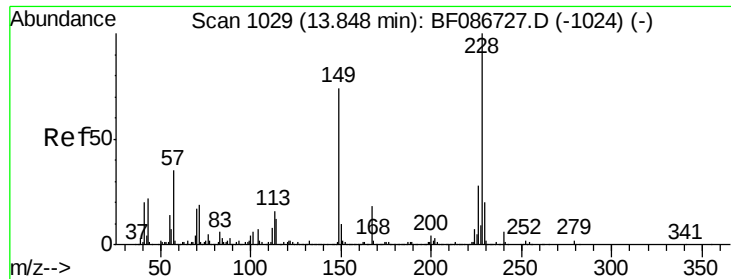
Sohil
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#82
 Chrysene
 Concen: 45.42 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. 0.00 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1033202		
226	31.4	24.4	36.6	
229	20.2	15.8	23.8	





#83

Bis(2-ethylhexyl)phthalate

Concen: 51.85 ng

RT: 13.85 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampleId :

PB90223BS

Tgt Ion:149 Resp: 755358

Ion Ratio Lower Upper

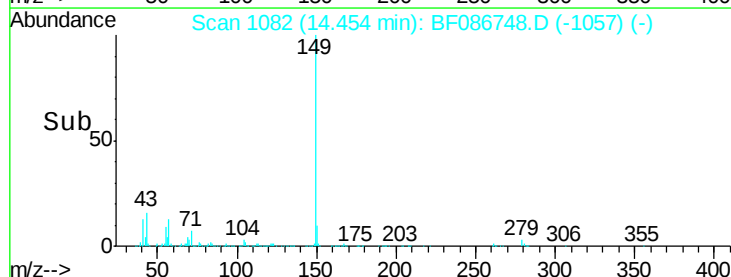
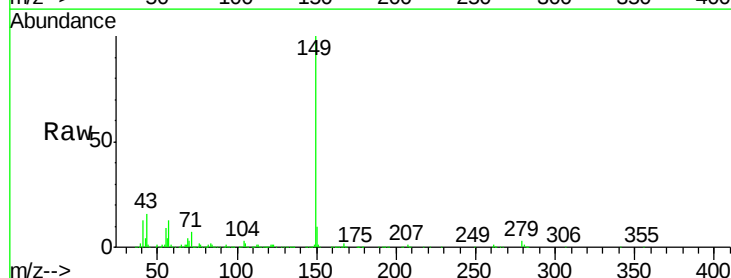
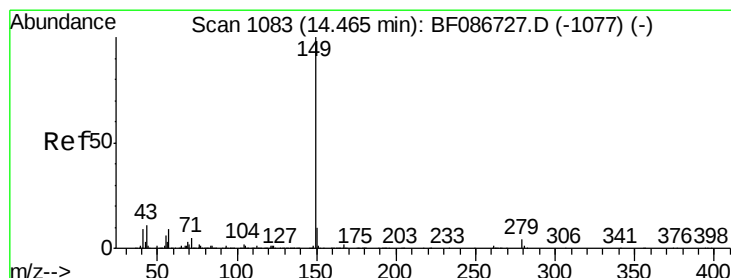
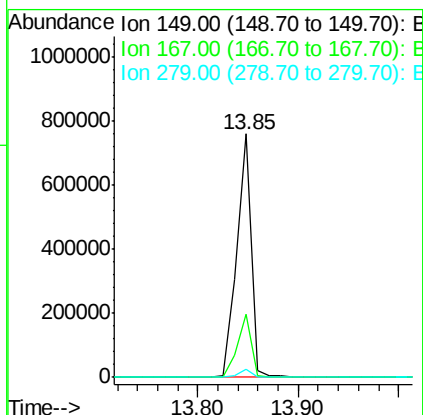
149 100

167 26.2 21.8 32.6

279 3.5 2.6 4.0

Manual Integrations
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#84

Di-n-octyl phthalate

Concen: 59.01 ng

RT: 14.45 min Scan# 1082

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

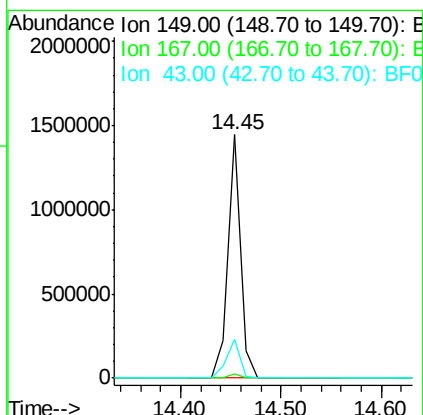
Tgt Ion:149 Resp: 1264998

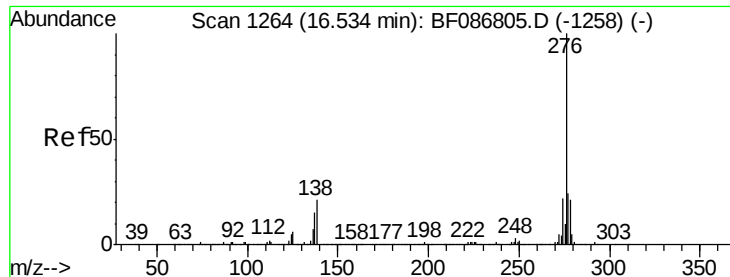
Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 17.1 8.2 12.4#





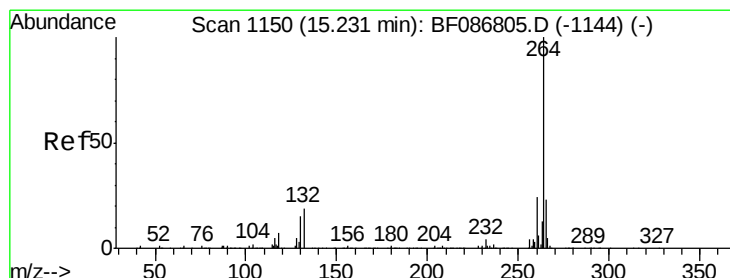
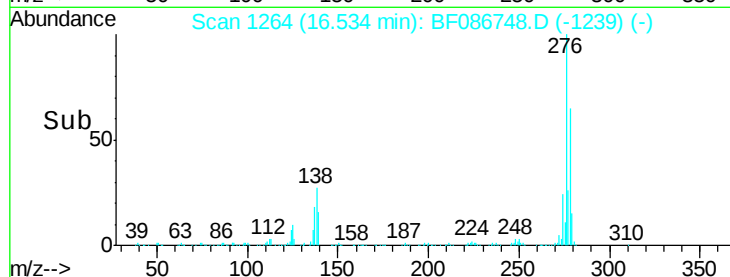
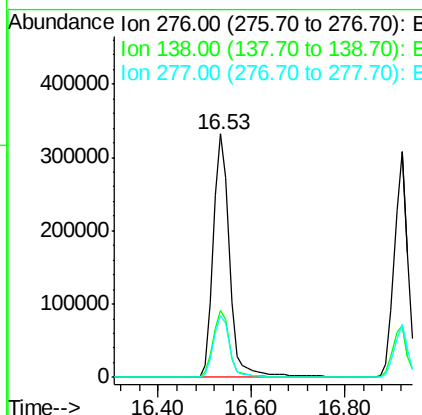
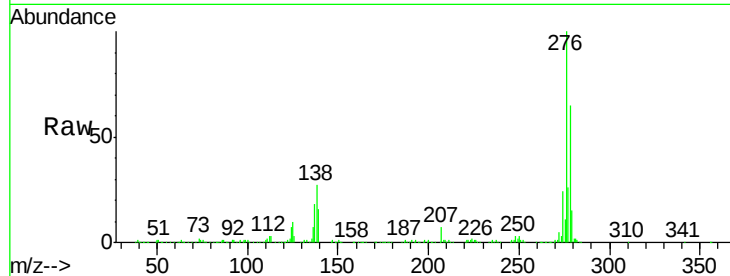
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 41.76 ng
 RT: 16.53 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Instrument :
 BNA_F
 ClientSampleId :
 PB90223BS

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.9	25.6	38.4
277	25.7	20.5	30.7

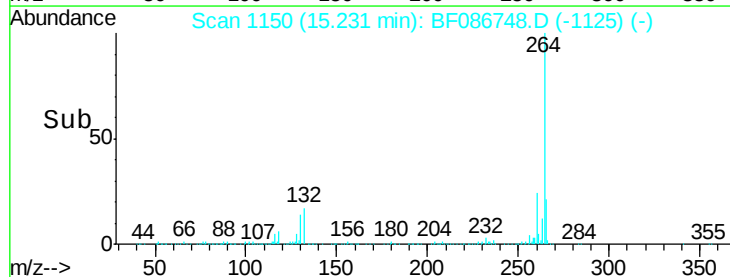
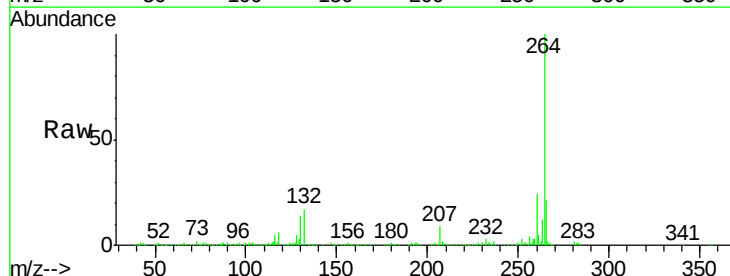
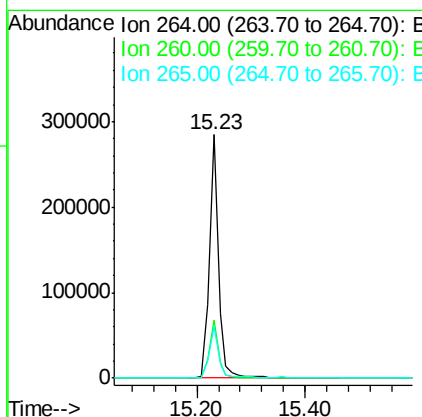
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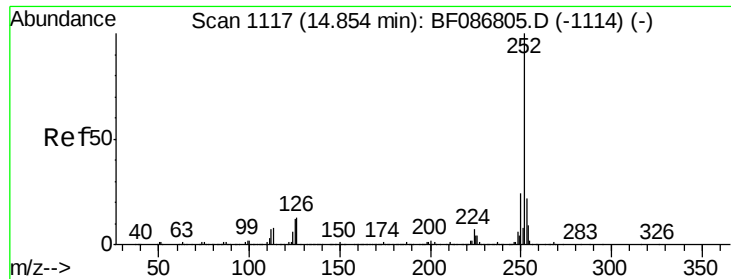
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#86
 Perylene-d12
 Concen: 40.00 ng
 RT: 15.23 min Scan# 1150
 Delta R.T. -0.01 min
 Lab File: BF086748.D
 Acq: 7 May 2016 2:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	21.4	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 49.08 ng m

RT: 14.85 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

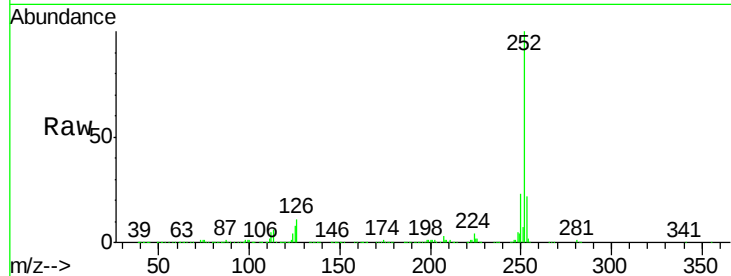
ClientSampleId :

PB90223BS

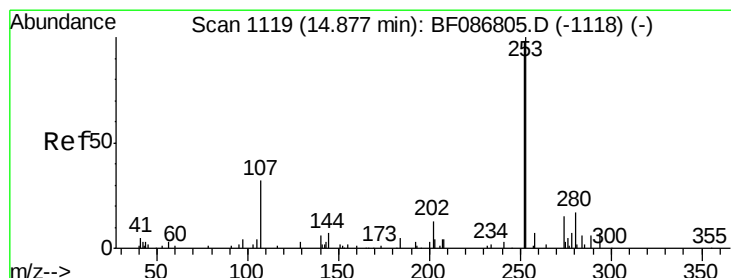
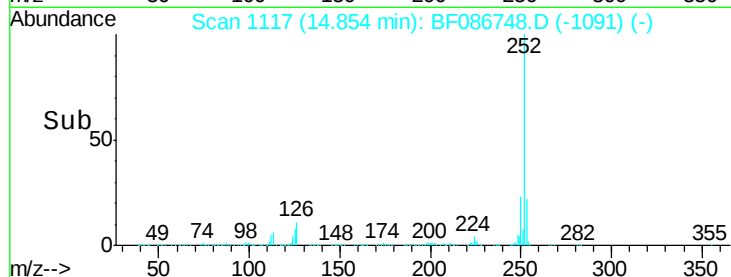
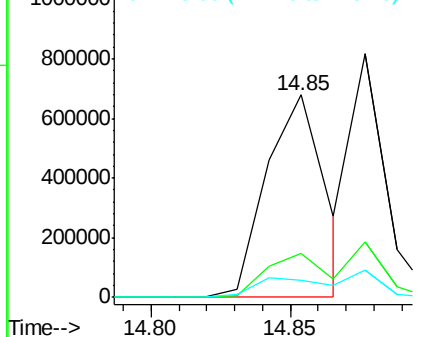
Tgt Ion:	252	Resp:	984573
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.8	26.6
125	8.4	11.4	17.0

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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: 38.48 ng m

RT: 14.88 min Scan# 1119

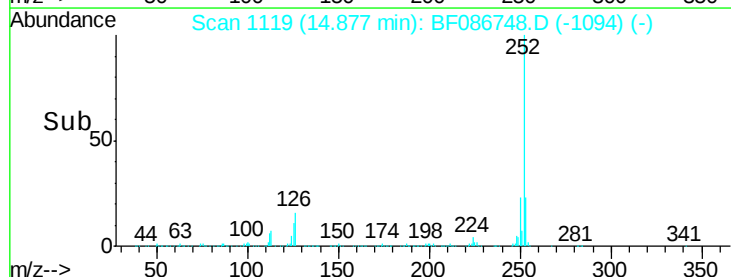
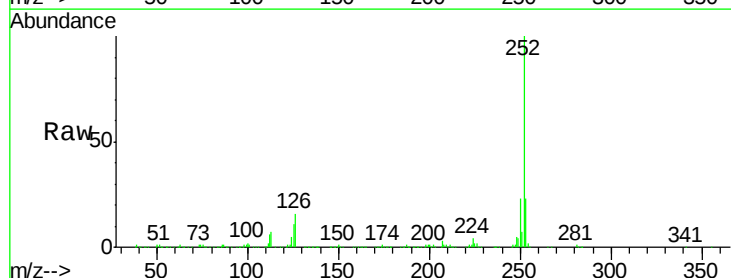
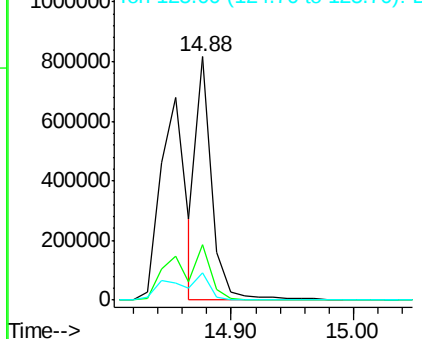
Delta R.T. -0.01 min

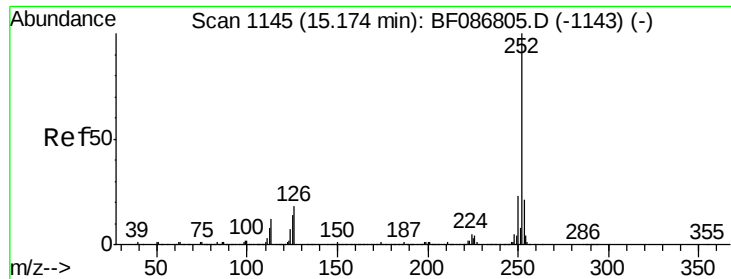
Lab File: BF086748.D

Acq: 7 May 2016 2:47

Tgt Ion:	252	Resp:	727278
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.6
125	11.1	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





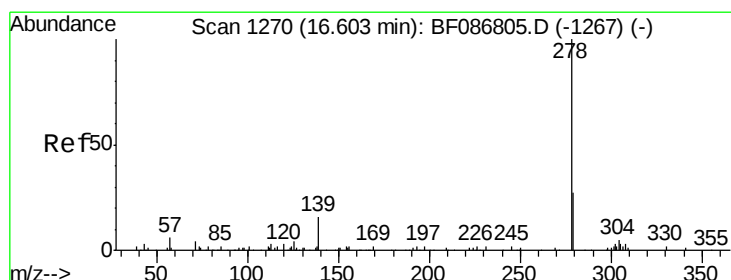
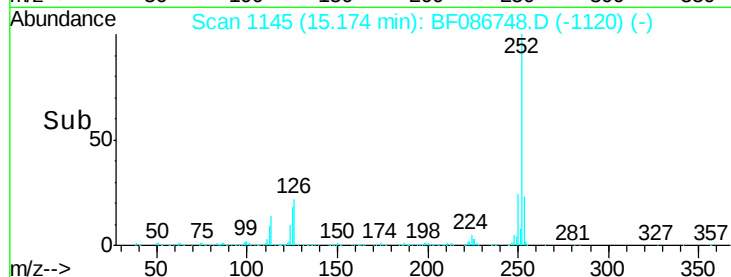
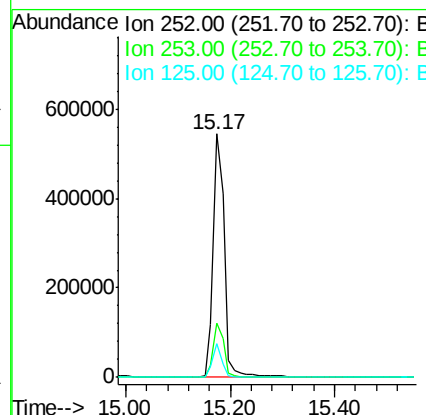
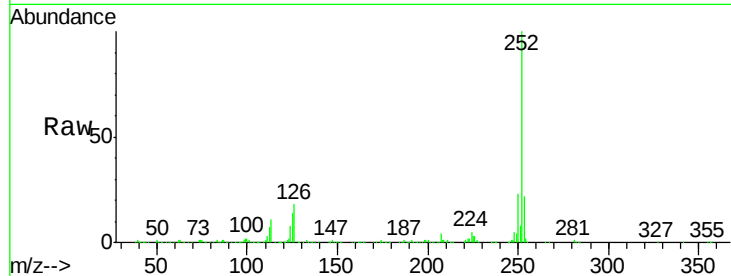
#89
Benzo(a)pyrene
Concen: 43.18 ng
RT: 15.17 min Scan# 1145
Delta R.T. -0.01 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Instrument :
BNA_F
ClientSampleId :
PB90223BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.4	17.2	25.8
125	13.9	9.0	13.6

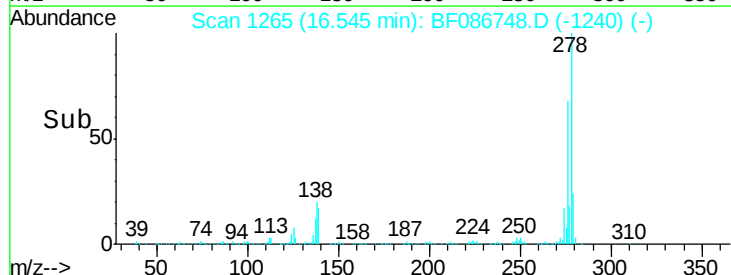
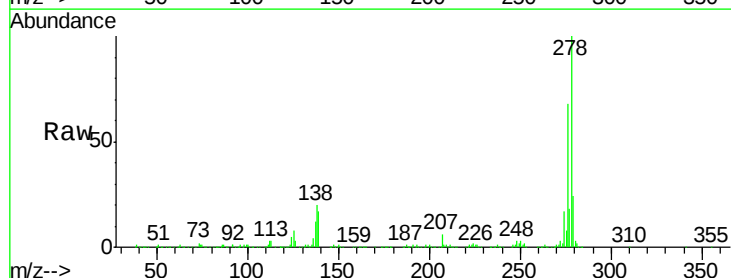
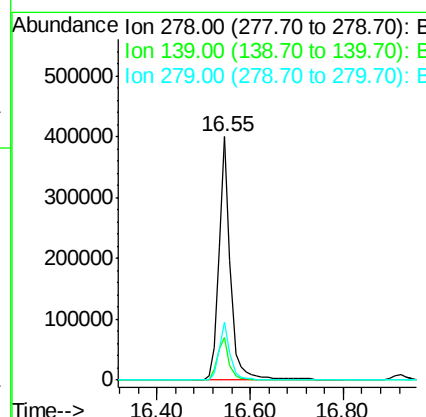
Manual Integrations
APPROVED

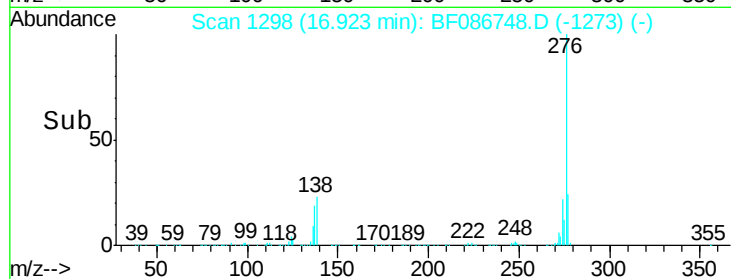
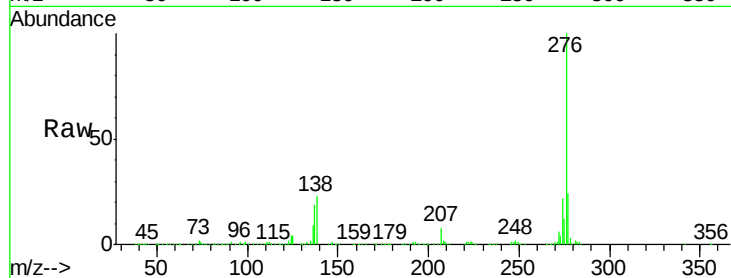
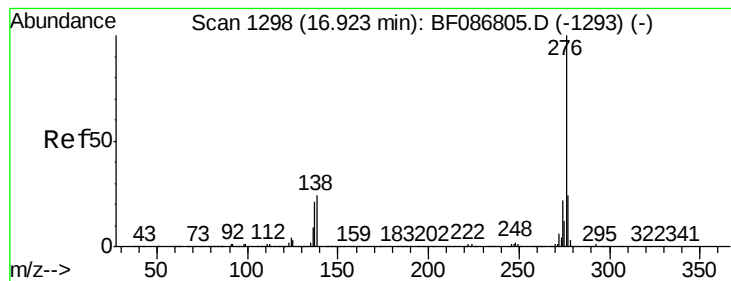
Sohil
5/9/2016 7:17:20 PM



#90
Dibenzo(a,h)anthracene
Concen: 38.81 ng
RT: 16.55 min Scan# 1265
Delta R.T. -0.01 min
Lab File: BF086748.D
Acq: 7 May 2016 2:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	17.5	16.6	24.8
279	23.7	19.6	29.4





#91

Benzo(g,h,i)perylene

Concen: 36.42 ng

RT: 16.92 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF086748.D

Acq: 7 May 2016 2:47

Instrument :

BNA_F

ClientSampleId :

PB90223BS

Tgt Ion: 276 Resp: 678656

Ion Ratio Lower Upper

276 100

277 23.6 19.6 29.4

138 22.9 23.6 35.4#

Manual Integrations
APPROVED

Sohil
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