

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110716\
 Data File : BF091051.D
 Acq On : 7 Nov 2016 13:10
 Operator : UM/SJ
 Sample : H5524-15
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Manual Integrations
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Quant Time: Nov 07 17:45:43 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 11:03:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	178409	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	782653	20.00	ng	-0.03
38) Acenaphthene-d10	9.71	164	381515	20.00	ng	-0.03
63) Phenanthrene-d10	11.20	188	633159	20.00	ng	-0.03
75) Chrysene-d12	13.83	240	453714	20.00	ng	-0.03
86) Perylene-d12	15.21	264	378112	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1216862	112.65	ng	-0.02
7) Phenol-d6	6.34	99	1546939	105.50	ng	-0.01
23) Nitrobenzene-d5	7.24	82	958475	66.81	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	401358	116.36	ng	-0.03
44) 2-Fluorobiphenyl	9.04	172	1637102	73.88	ng	-0.03
78) Terphenyl-d14	12.79	244	1896543	104.31	ng	-0.02
Target Compounds						Qvalue
8) 2-Chlorophenol	6.46	128	2065010	160.26	ng	92
10) Phenol	6.36	94	3030172	186.73	ng	# 59
11) bis(2-Chloroethyl)ether	6.43	93	1316572	96.28	ng	89
12) 1,3-Dichlorobenzene	6.61	146	1621047m	124.39	ng	
13) 1,4-Dichlorobenzene	6.69	146	1195760	85.51	ng	97
14) 1,2-Dichlorobenzene	6.84	146	1172206	91.34	ng	98
18) Hexachloroethane	7.18	117	231201	42.72	ng	96
24) Nitrobenzene	7.26	77	1253895	79.13	ng	99
25) Isophorone	7.52	82	3973134	143.71	ng	# 92
29) 2,4-Dichlorophenol	7.84	162	1190991	123.06	ng	92
30) 1,2,4-Trichlorobenzene	7.90	180	1020126	93.74	ng	99
31) Naphthalene	7.98	128	3055264	81.63	ng	97
34) Hexachlorobutadiene	8.11	225	759921	129.38	ng	98
37) 2-Methylnaphthalene	8.67	142	1733414	72.04	ng	99
48) Acenaphthylene	9.57	152	2860574	86.79	ng	97
51) Acenaphthene	9.74	154	1357451	65.60	ng	99
55) 4-Nitrophenol	9.86	139	452024	104.84	ng	93
57) Fluorene	10.26	166	1226263	53.86	ng	100
60) 4-Chlorophenyl-phenvlether	10.27	204	1409855	136.05	ng	# 84
67) Hexachlorobenzene	10.81	284	313353	43.14	ng	93
70) Phenanthrene	11.23	178	4036617	119.93	ng	96
71) Anthracene	11.28	178	3088612	86.31	ng	97
74) Fluoranthene	12.41	202	3123654	89.48	ng	95
77) Pyrene	12.64	202	2676381	90.07	ng	98
80) Benzo(a)anthracene	13.81	228	837155	32.50	ng	99
82) Chrysene	13.86	228	1594780	62.78	ng	98
83) Bis(2-ethylhexyl)phthalate	13.84	149	2898927	150.72	ng	# 91
84) Di-n-octyl phthalate	14.44	149	4163490	131.65	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.51	276	1363276	64.68	ng	97
87) Benzo(b)fluoranthene	14.83	252	1565493	61.04	ng	98
90) Dibenzo(a,h)anthracene	16.53	278	1730408	89.66	ng	97
91) Benzo(a,h,i)perylene	16.90	276	760371	43.57	ng	97

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Manual Integrations
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Quant Time: Nov 07 17:45:43 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 04 11:03:12 2016
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

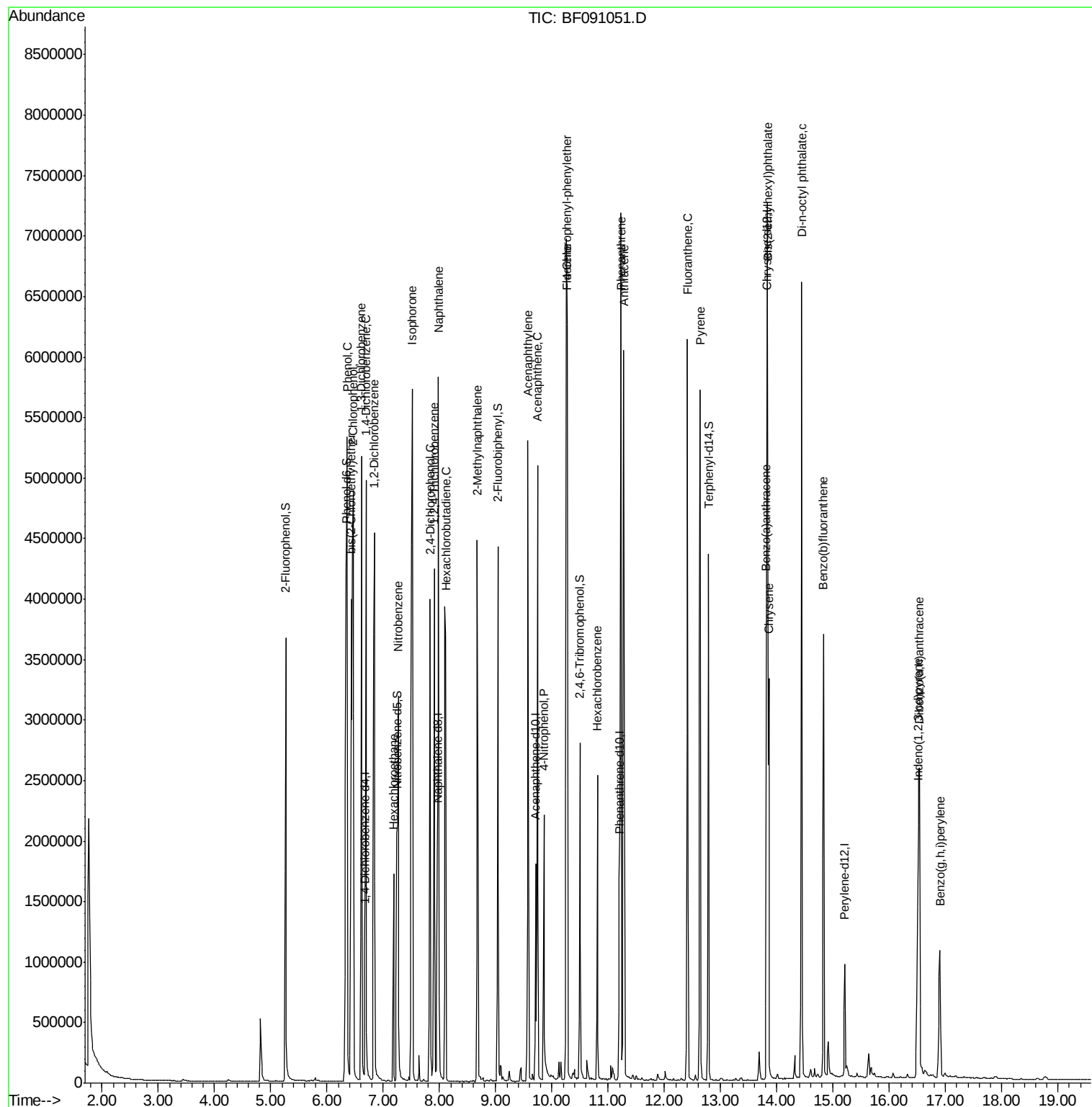
Data Path : Z:\HPCHEM1\BNA F\DATA\BF110716\
Data File : BF091051.D
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Sample : H5524-15
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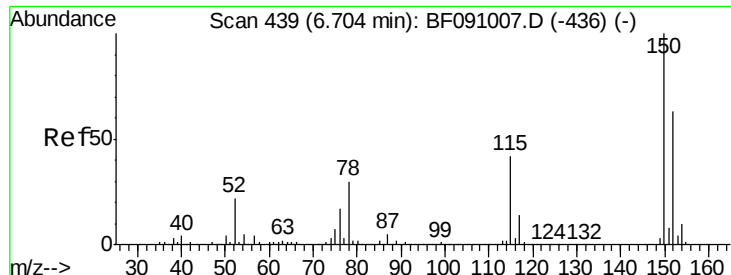
Instrument :
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#1

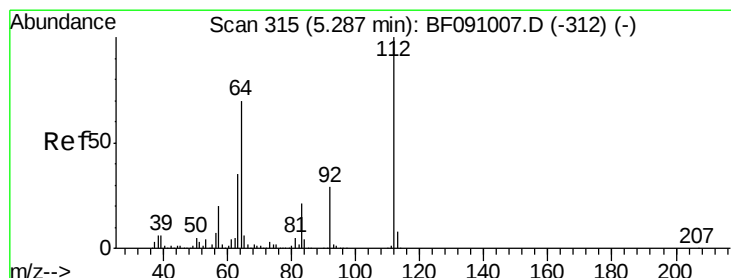
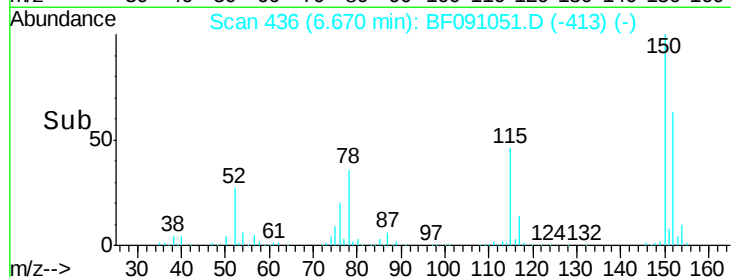
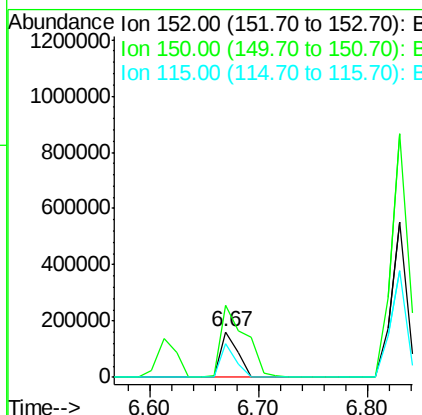
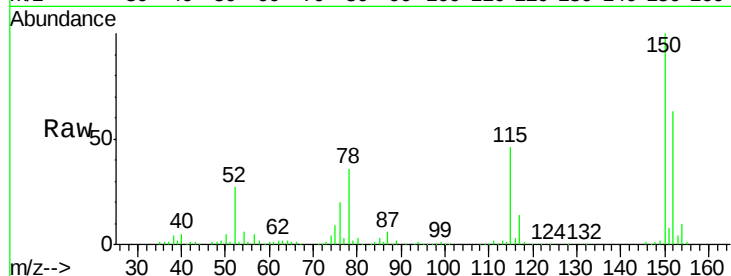
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 436
Delta R.T. -0.03 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	126.8	190.2
115	73.1	53.3	79.9

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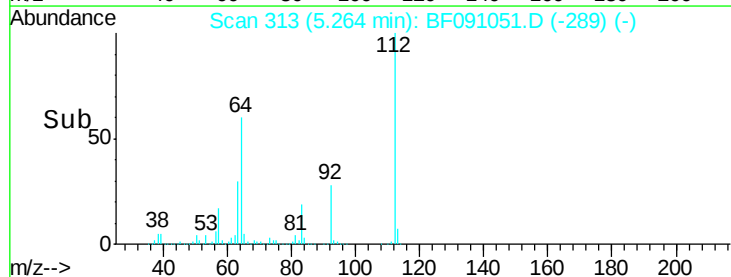
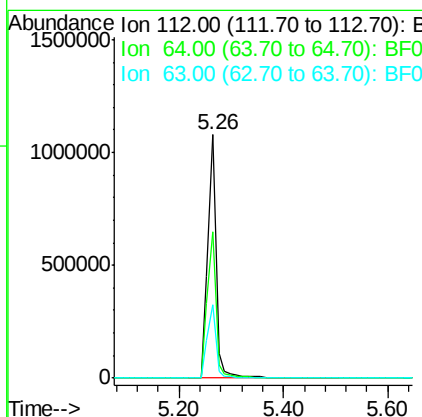
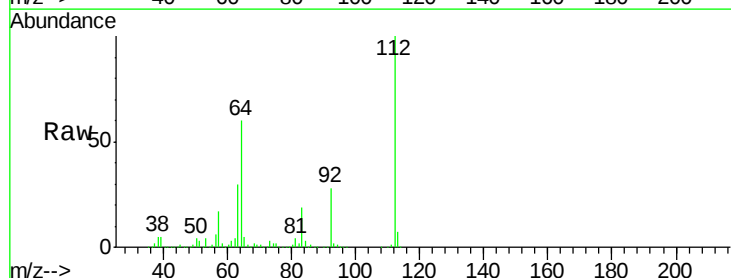
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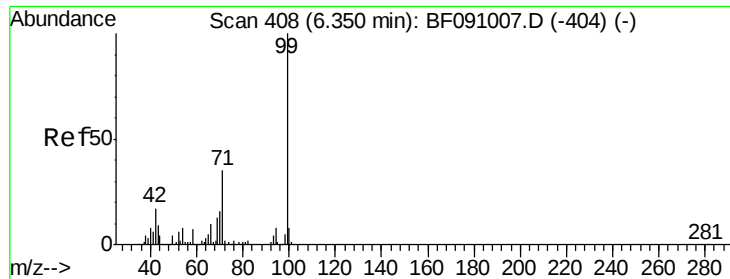


#5

2-Fluorophenol
Concen: 112.65 ng
RT: 5.26 min Scan# 313
Delta R.T. -0.02 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.9	55.8	83.6
63	30.1	28.0	42.0





#7

Phenol-d6

Concen: 105.50 ng

RT: 6.34 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

Instrument :

BNA_F

ClientSampled :

PT-BNA-SOIL

Tot Ion: 99 Resp: 1546939

Ion Ratio Lower Upper

99 100

42 16.9 13.9 20.9

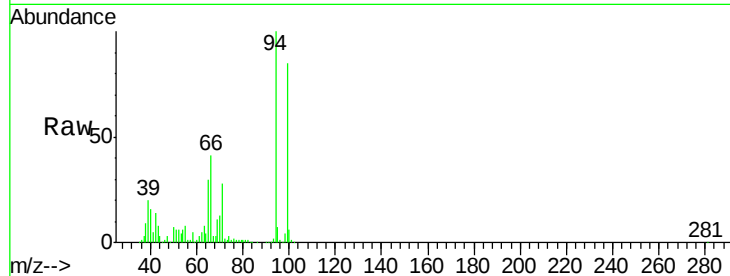
71 32.9 27.8 41.8

Manual Integrations

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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

1000000

800000

600000

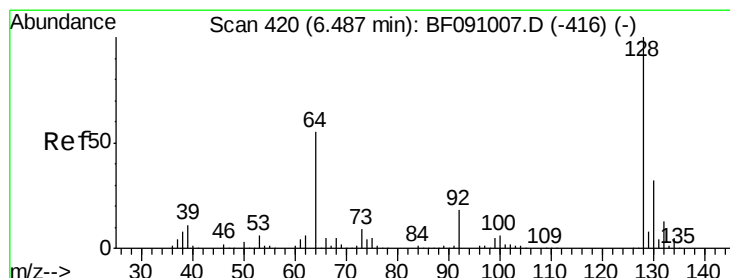
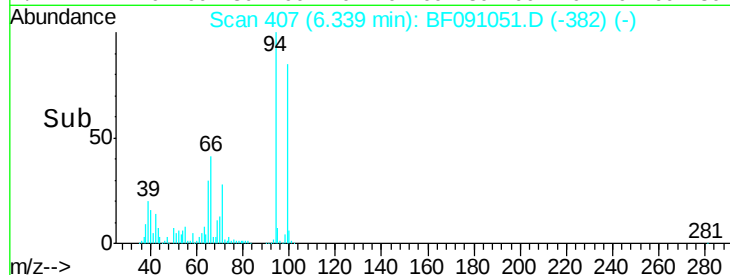
400000

200000

0

6.30 6.34 6.40

Time-->



#8

2-Chlorophenol

Concen: 160.26 ng

RT: 6.46 min Scan# 418

Delta R.T. -0.02 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

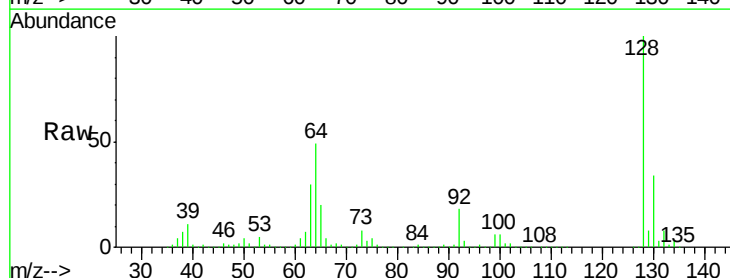
Tgt Ion:128 Resp: 2065010

Ion Ratio Lower Upper

128 100

130 34.1 12.0 52.0

64 49.2 37.2 77.2



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

1500000

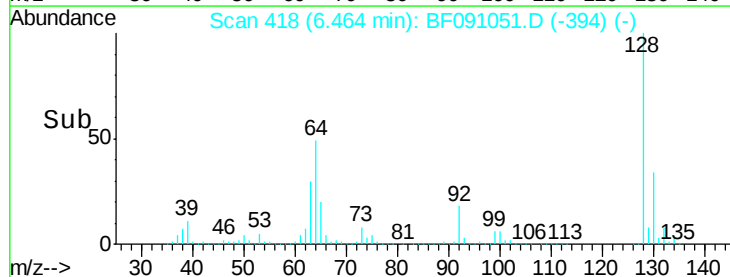
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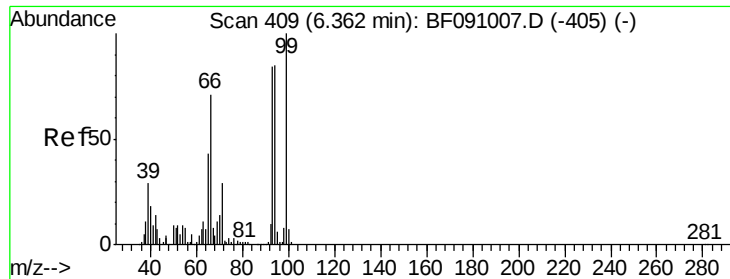
500000

0

6.40 6.46 6.60

Time-->





#10

Phenol

Concen: 186.73 ng

RT: 6.36 min Scan# 409

Delta R.T. 0.00 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

Instrument :

BNA_F

ClientSampled :

PT-BNA-SOIL

Tot Ion: 94 Resp: 3030172

Ion Ratio Lower Upper

94 100

65 29.9 30.4 70.4#

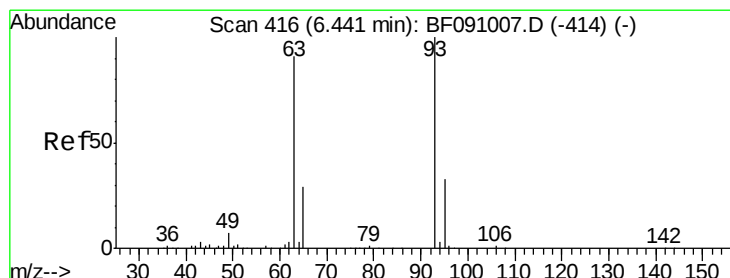
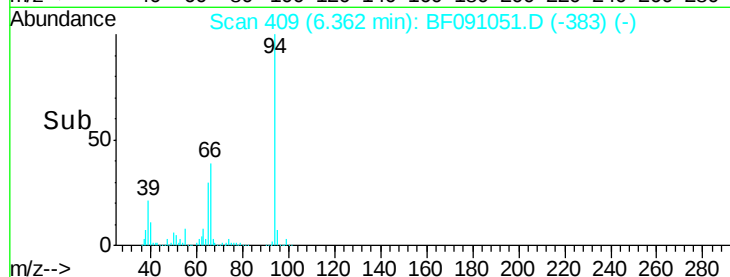
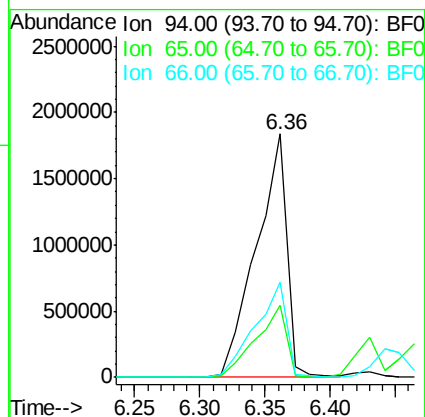
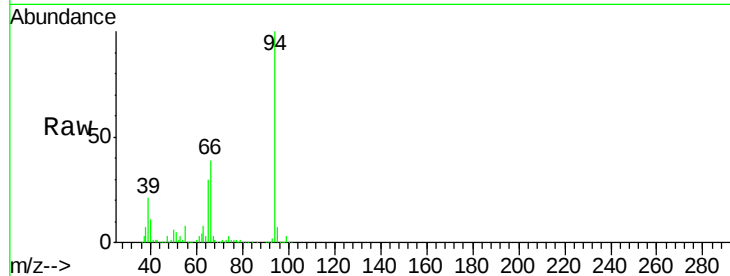
66 39.1 62.9 102.9#

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#11

bis(2-Chloroethyl)ether

Concen: 96.28 ng

RT: 6.43 min Scan# 415

Delta R.T. -0.01 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

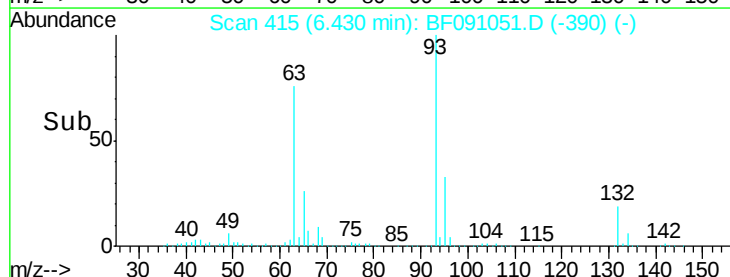
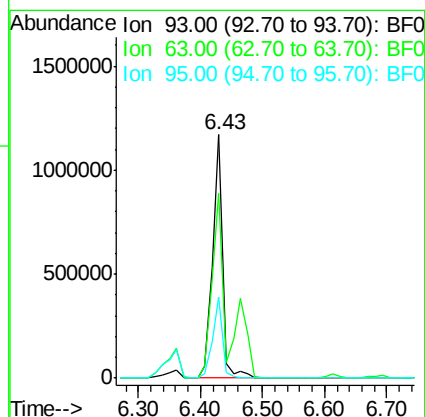
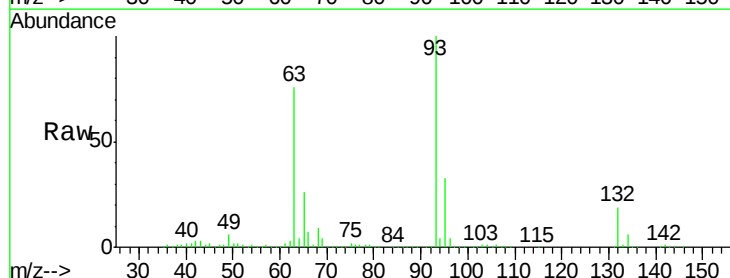
Tgt Ion: 93 Resp: 1316572

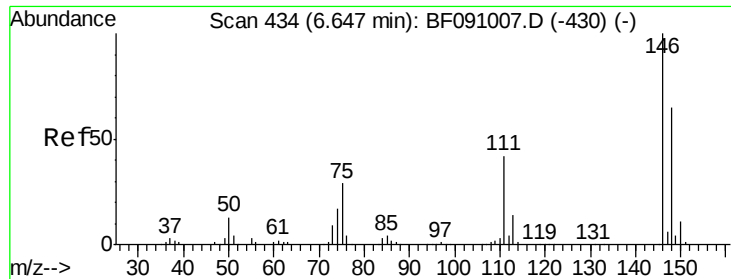
Ion Ratio Lower Upper

93 100

63 75.7 68.9 108.9

95 33.1 12.3 52.3





#12

1,3-Dichlorobenzene

Concen: 124.39 ng/mL

RT: 6.61 min Scan# 431

Delta R.T. -0.03 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tot Ion:146 Resp: 1621047

Ion Ratio Lower Upper

146 100

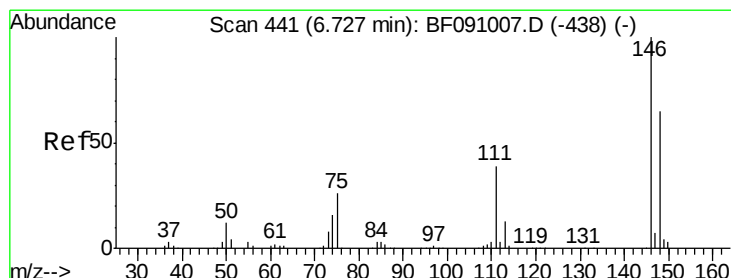
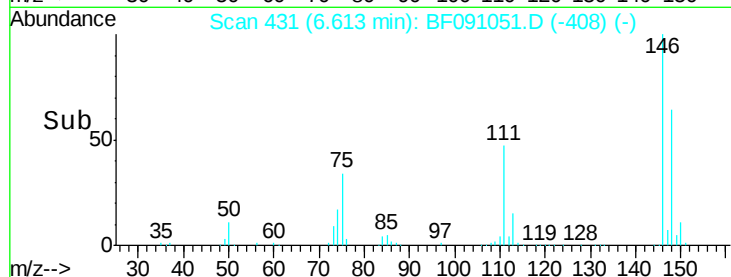
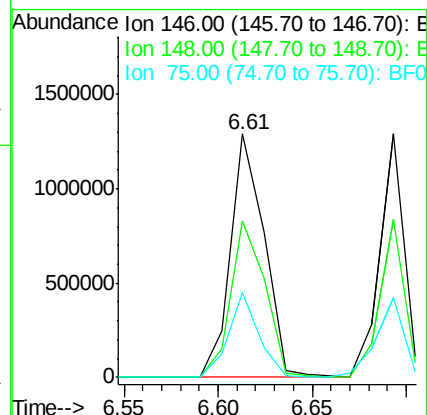
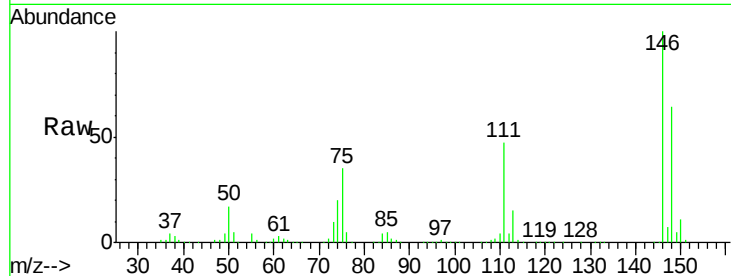
148 64.5 52.0 78.0

75 35.0 23.0 34.6#

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#13

1,4-Dichlorobenzene

Concen: 85.51 ng/mL

RT: 6.69 min Scan# 438

Delta R.T. -0.03 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

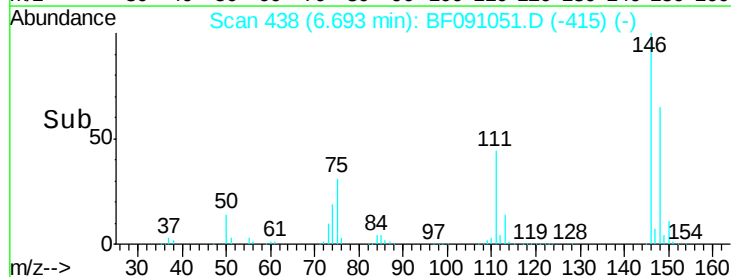
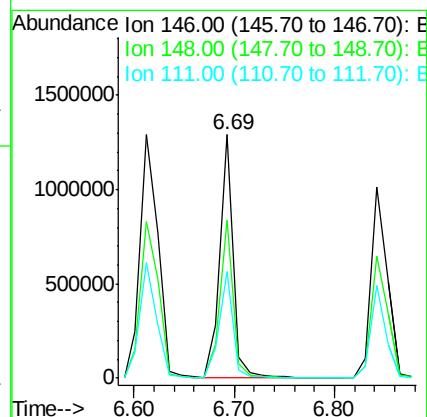
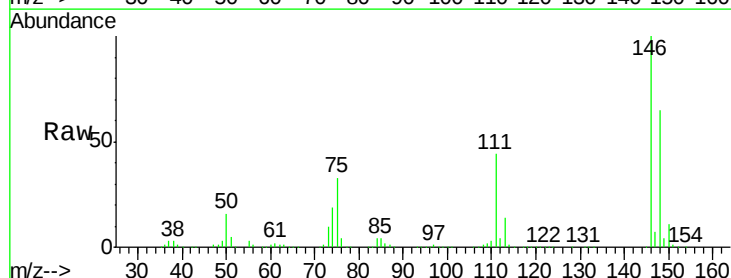
Tgt Ion:146 Resp: 1195760

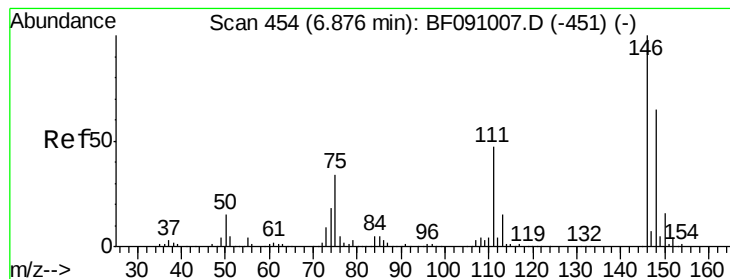
Ion Ratio Lower Upper

146 100

148 64.9 52.1 78.1

111 44.0 31.6 47.4





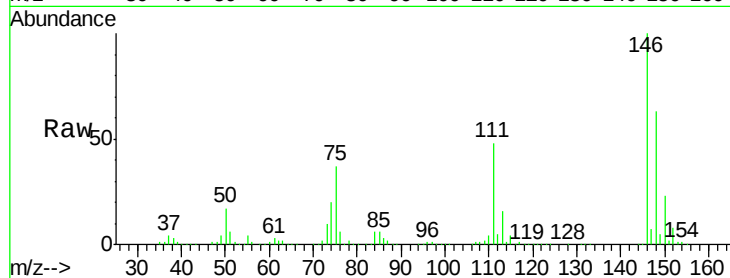
#14
 1,2-Dichlorobenzene
 Concen: 91.34 ng
 RT: 6.84 min Scan# 451
 Delta R.T. -0.03 min
 Lab File: BF091051.D
 Acq: 7 Nov 2016 13:10

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

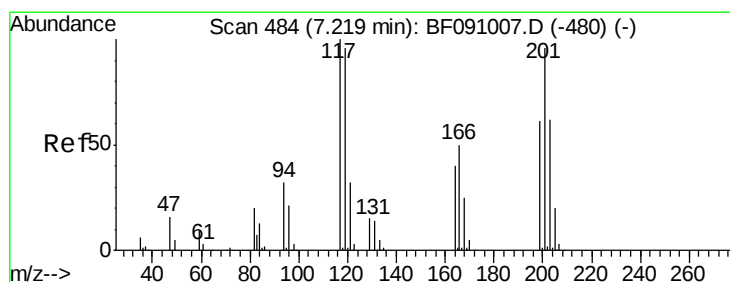
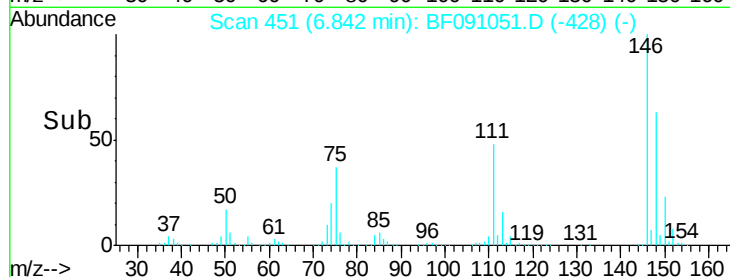
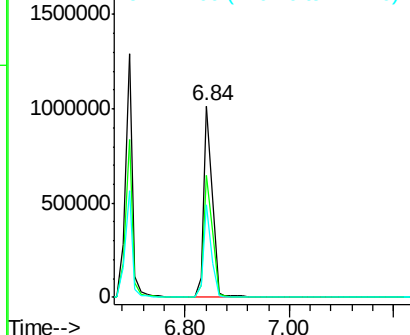
Tot Ion:146 Resp: 1172206
 Ion Ratio Lower Upper
 146 100
 148 63.5 51.6 77.4
 111 48.4 37.3 55.9

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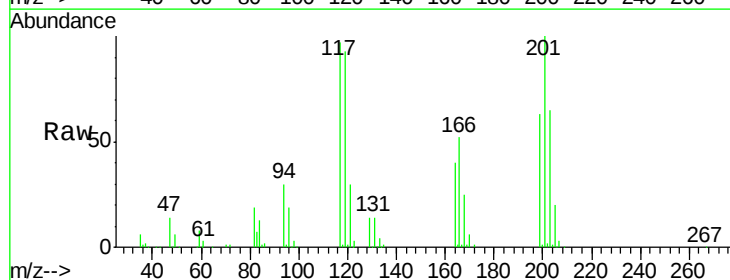


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

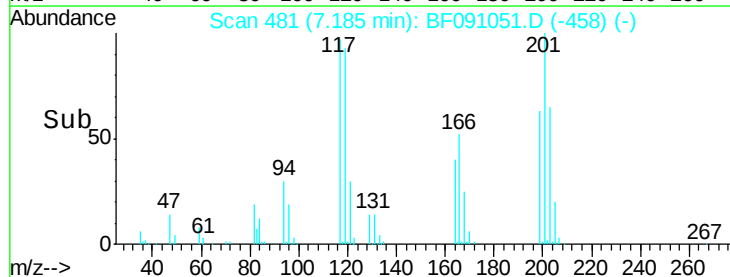
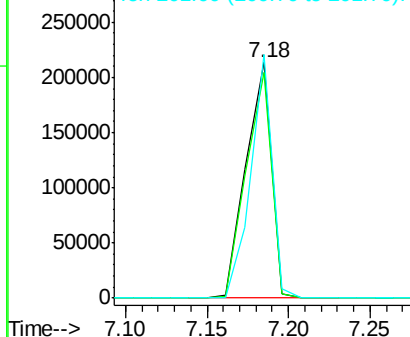


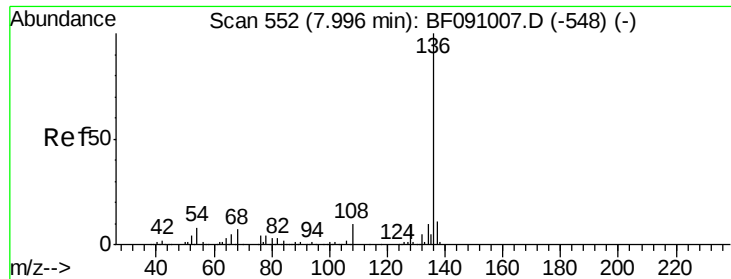
#18
 Hexachloroethane
 Concen: 42.72 ng
 RT: 7.18 min Scan# 481
 Delta R.T. -0.03 min
 Lab File: BF091051.D
 Acq: 7 Nov 2016 13:10

Tgt Ion:117 Resp: 231201
 Ion Ratio Lower Upper
 117 100
 119 95.8 76.6 115.0
 201 103.2 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): E
 Ion 119.00 (118.70 to 119.70): E
 Ion 201.00 (200.70 to 201.70): E





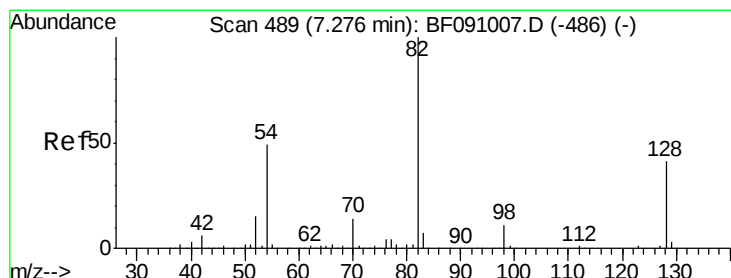
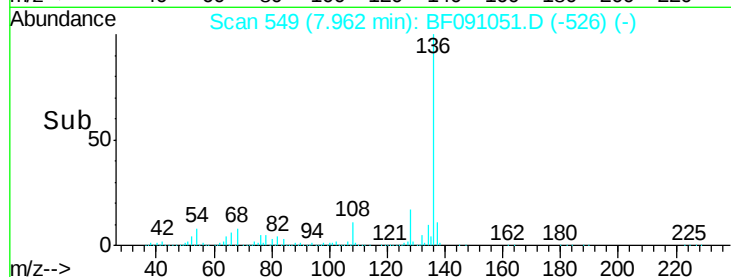
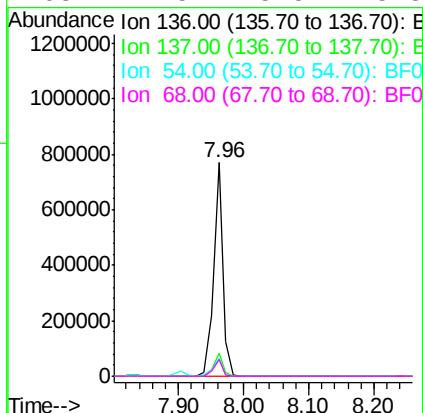
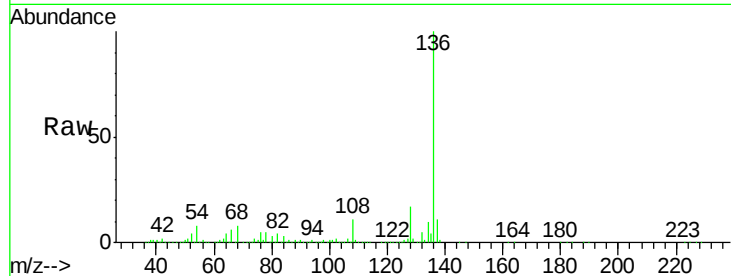
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.96 min Scan# 549
Delta R.T. -0.03 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Instrument :
BNA_F
ClientSampled :
PT-BNA-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
136	100	782653		
137	11.0	8.9	13.3	
54	8.5	6.2	9.2	
68	7.5	5.5	8.3	

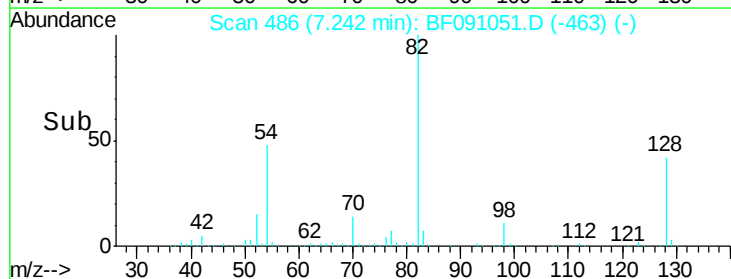
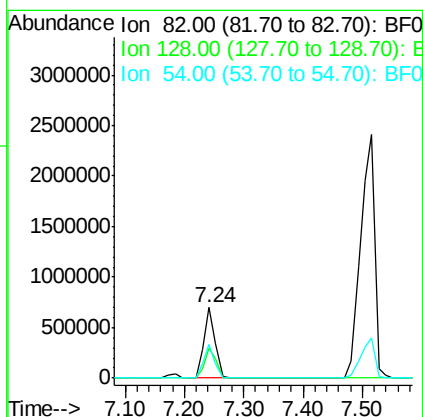
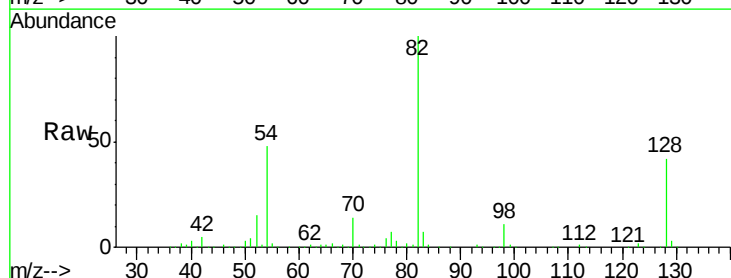
Manual Integrations
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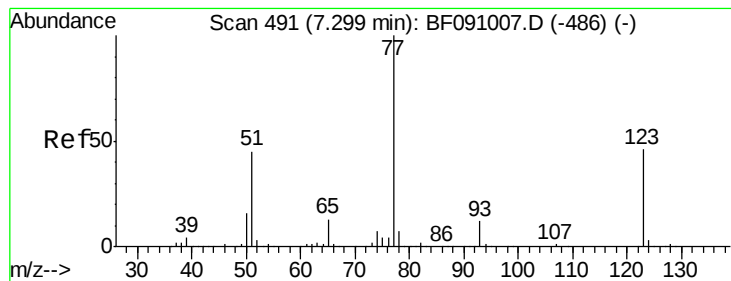
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#23
Nitrobenzene-d5
Concen: 66.81 ng
RT: 7.24 min Scan# 486
Delta R.T. -0.03 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	958475		
128	42.2	32.4	48.6	
54	47.6	39.2	58.8	





#24

Nitrobenzene

Concen: 79.13 ng

RT: 7.26 min Scan# 488

Delta R.T. -0.03 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

Instrument :

BNA_F

ClientSampled :

PT-BNA-SOIL

Tot Ion: 77 Resp: 1253895

Ion Ratio Lower Upper

77 100

123 45.1 36.5 54.7

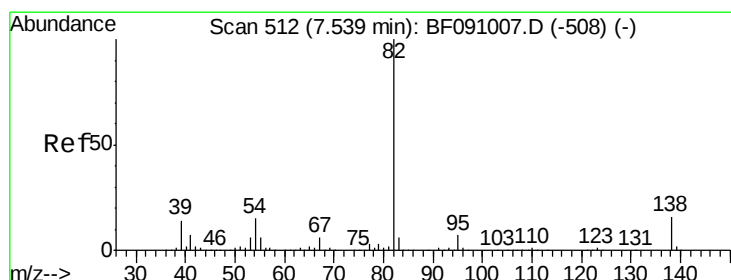
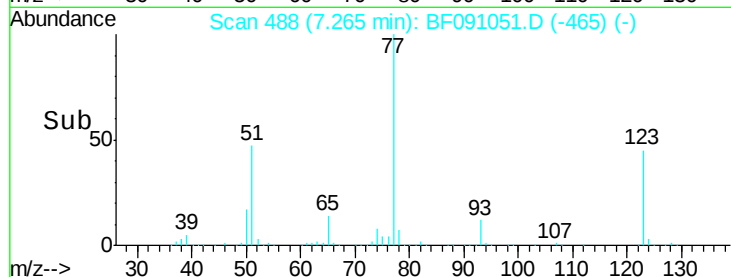
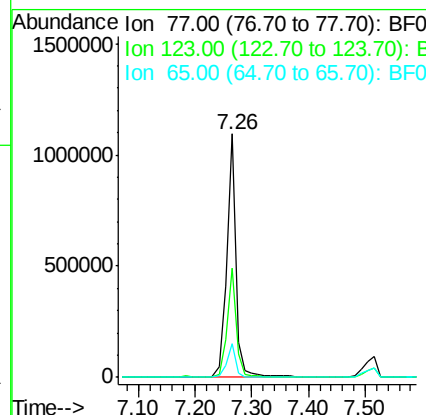
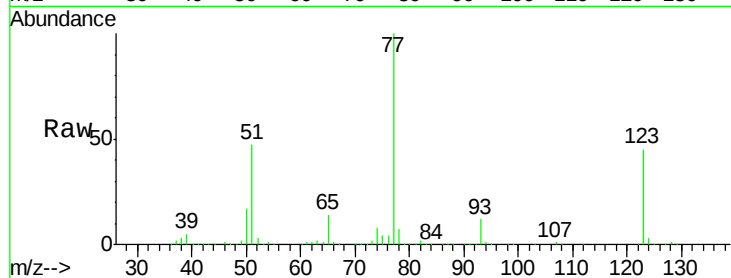
65 14.0 10.7 16.1

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#25

Isophorone

Concen: 143.71 ng

RT: 7.52 min Scan# 510

Delta R.T. -0.02 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

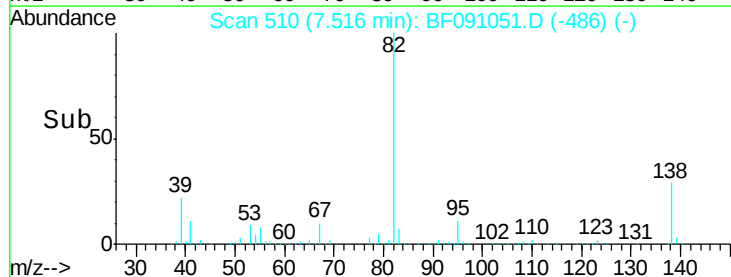
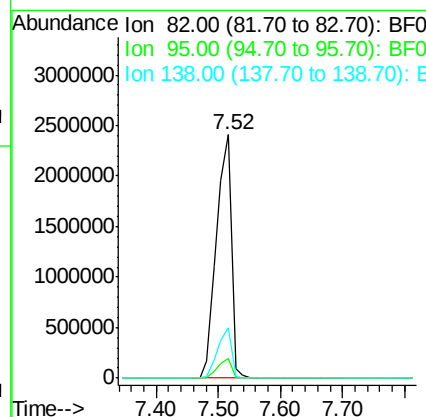
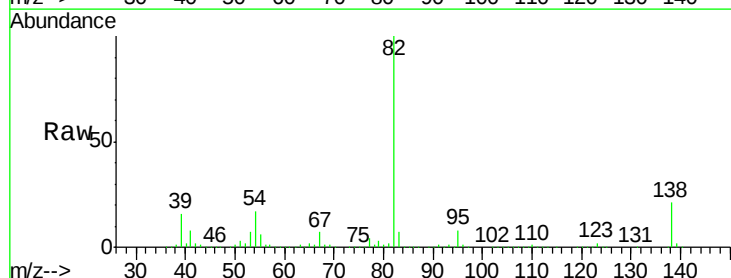
Tgt Ion: 82 Resp: 3973134

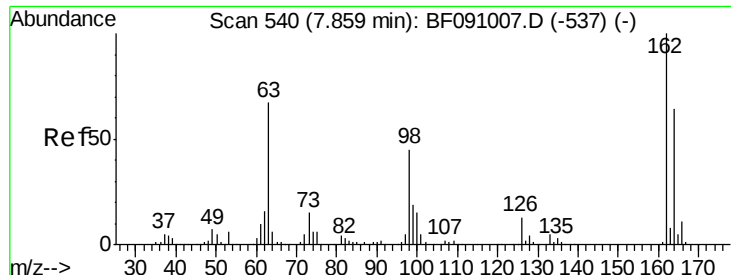
Ion Ratio Lower Upper

82 100

95 7.9 5.4 8.0

138 20.7 13.0 19.4#





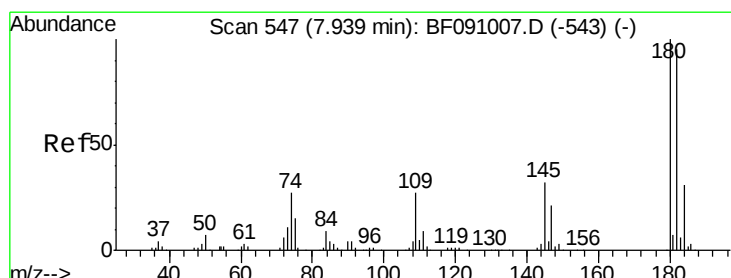
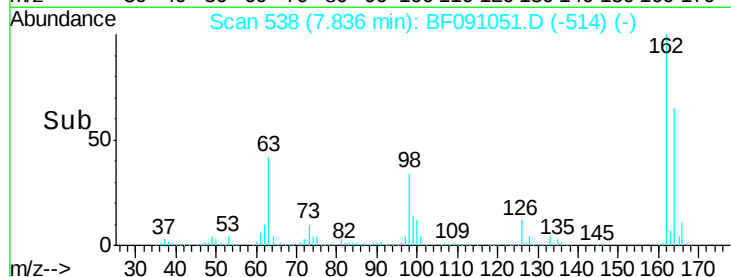
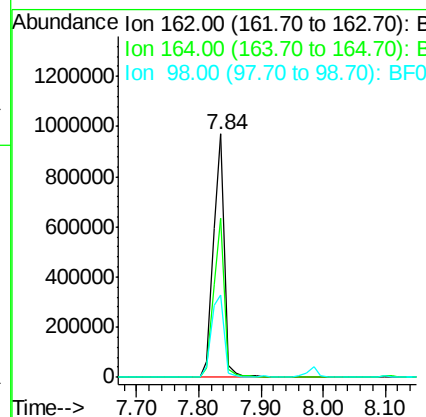
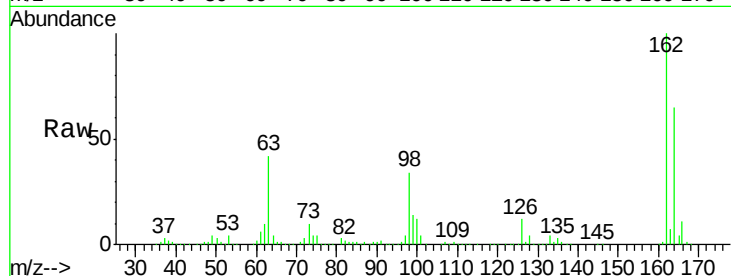
#29
 2,4-Dichlorophenol
 Concen: 123.06 ng
 RT: 7.84 min Scan# 538
 Delta R.T. -0.02 min
 Lab File: BF091051.D
 Acq: 7 Nov 2016 13:10

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion	Ion	Ratio	Lower	Upper
162	100			
164	65.3	44.4	84.4	
98	33.6	25.2	65.2	

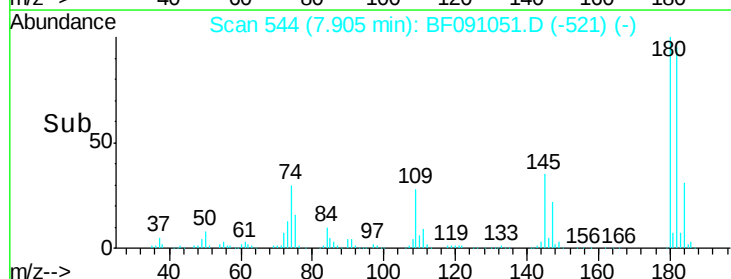
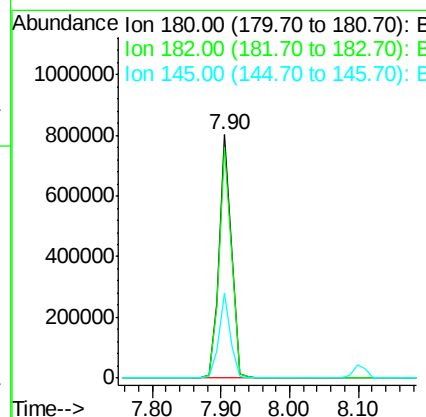
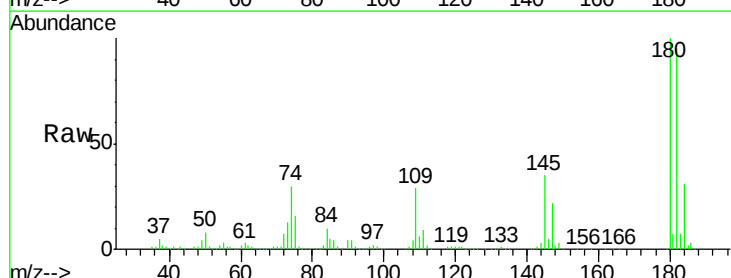
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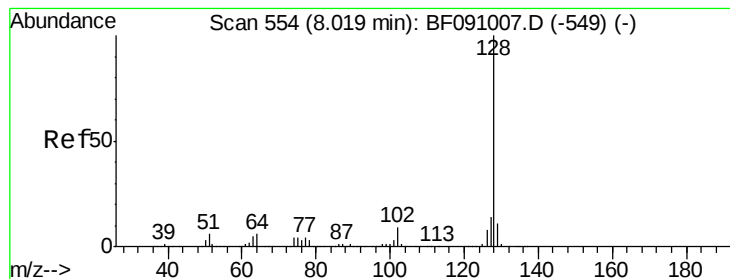
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#30
 1,2,4-Trichlorobenzene
 Concen: 93.74 ng
 RT: 7.90 min Scan# 544
 Delta R.T. -0.03 min
 Lab File: BF091051.D
 Acq: 7 Nov 2016 13:10

Tgt Ion	Ion	Ratio	Lower	Upper
180	100			
182	95.0	76.0	114.0	
145	34.6	25.8	38.8	





#31

Naphthalene

Concen: 81.63 ng

RT: 7.98 min Scan# 551

Delta R.T. -0.03 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tot Ion:128 Resp: 3055264

Ion Ratio Lower Upper

128 100

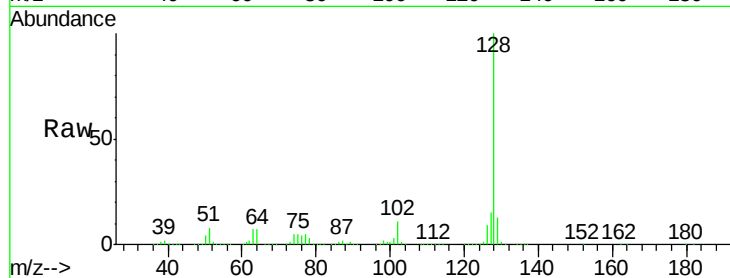
129 12.5 9.0 13.6

127 14.9 10.9 16.3

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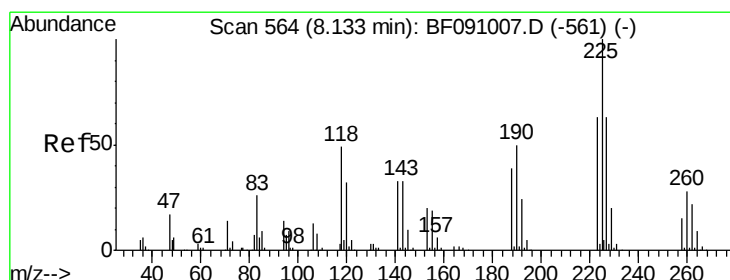
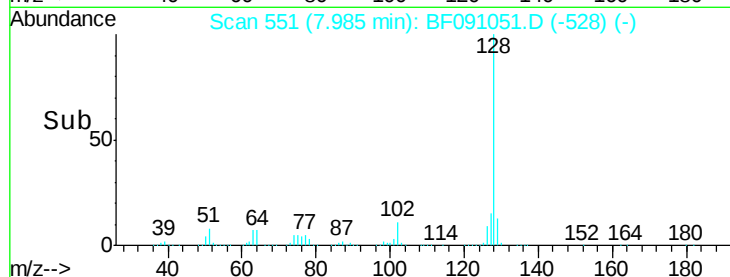
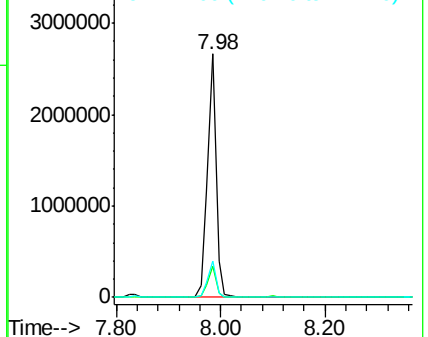
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

Hexachlorobutadiene

Concen: 129.38 ng

RT: 8.11 min Scan# 562

Delta R.T. -0.02 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

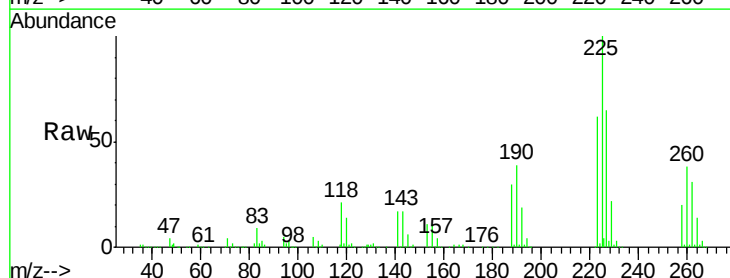
Tgt Ion:225 Resp: 759921

Ion Ratio Lower Upper

225 100

223 62.5 50.4 75.6

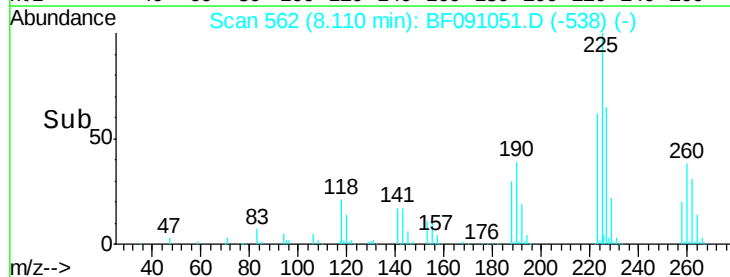
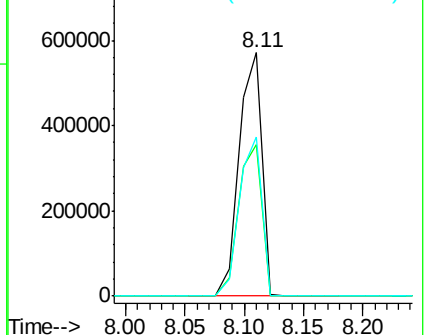
227 65.4 50.1 75.1

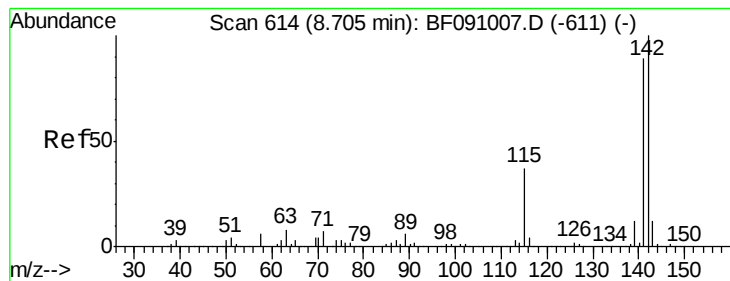


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





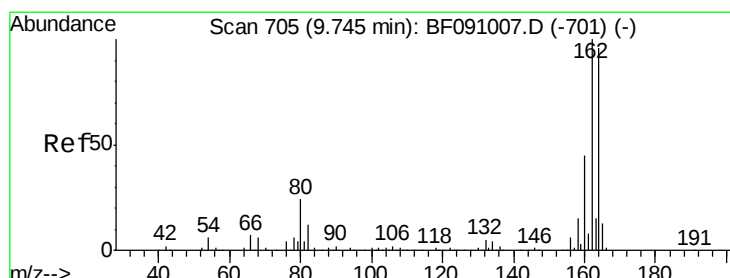
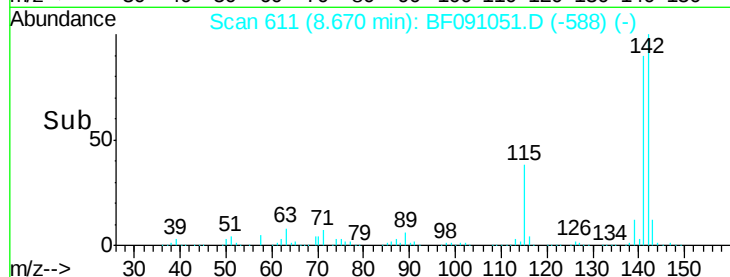
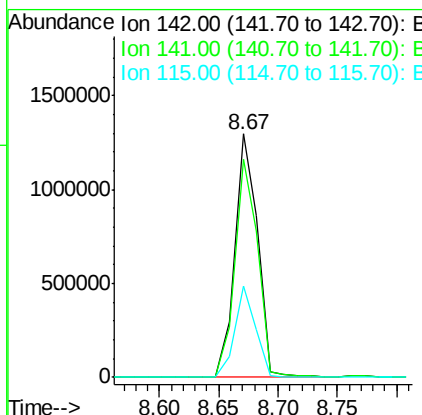
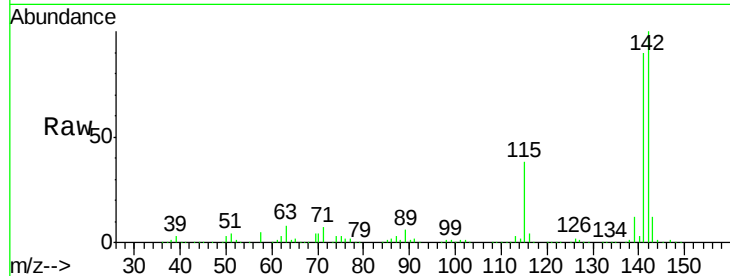
#37
2-Methylnaphthalene
Concen: 72.04 ng
RT: 8.67 min Scan# 611
Delta R.T. -0.03 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

Tot Ion	Ion	Ratio	Lower	Upper
142	100			
141	89.8	71.3	106.9	
115	37.6	29.9	44.9	

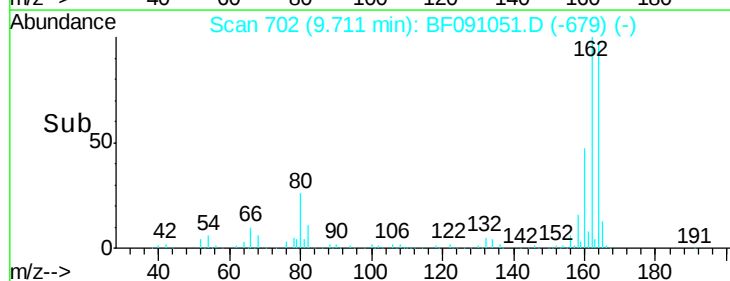
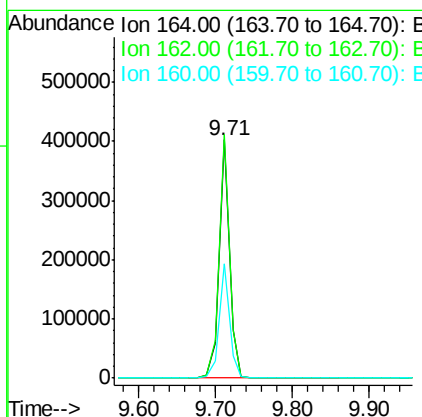
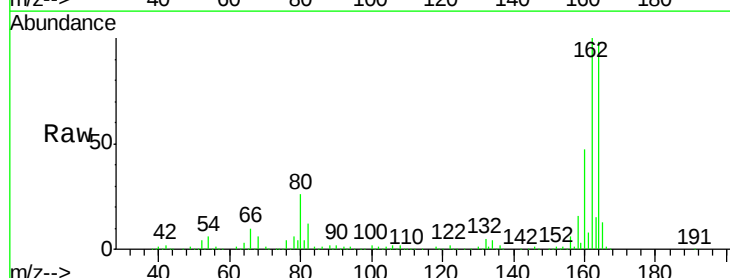
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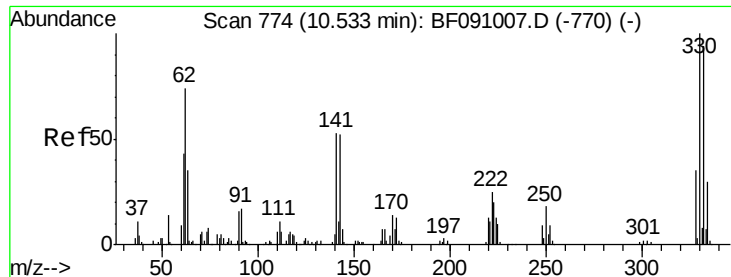
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.71 min Scan# 702
Delta R.T. -0.03 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Tgt Ion	Ion	Ratio	Lower	Upper
164	100			
162	102.1	83.6	125.4	
160	47.7	37.9	56.9	





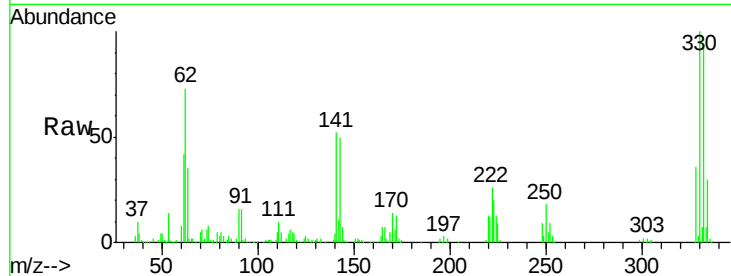
#41
 2,4,6-Tribromophenol
 Concen: 116.36 ng
 RT: 10.50 min Scan# 771
 Delta R.T. -0.03 min
 Lab File: BF091051.D
 Acq: 7 Nov 2016 13:10

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

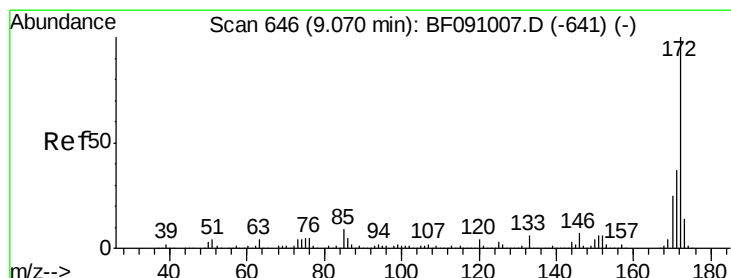
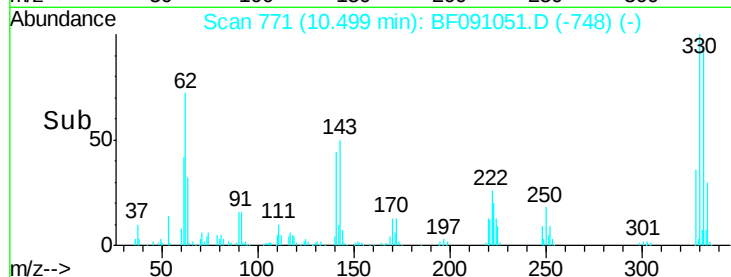
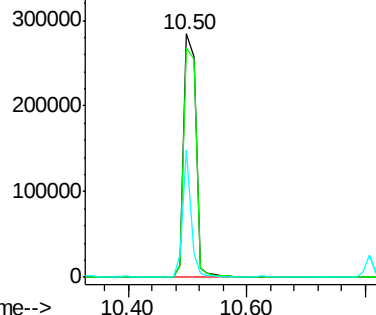
Tot Ion	Ratio	Resp	Lower	Upper
330	100	401358		
332	96.3		75.9	113.9
141	35.9		36.1	54.1#

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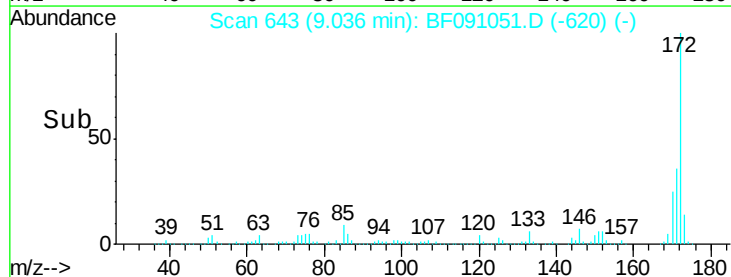
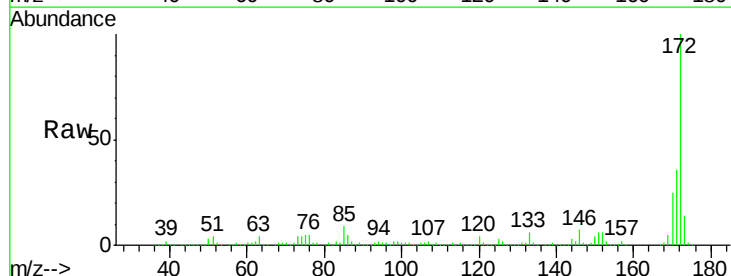
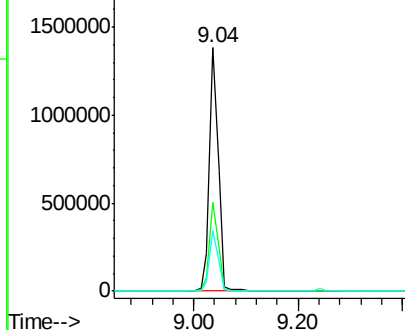
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

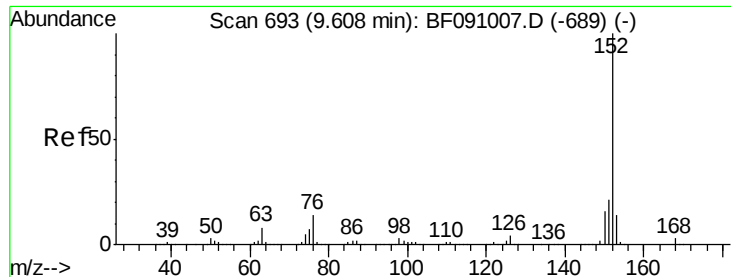


#44
 2-Fluorobiphenyl
 Concen: 73.88 ng
 RT: 9.04 min Scan# 643
 Delta R.T. -0.03 min
 Lab File: BF091051.D
 Acq: 7 Nov 2016 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1637102		
171	36.4		29.8	44.6
170	25.1		20.3	30.5

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 86.79 ng

RT: 9.57 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tot Ion:152 Resp: 2860574

Ion Ratio Lower Upper

152 100

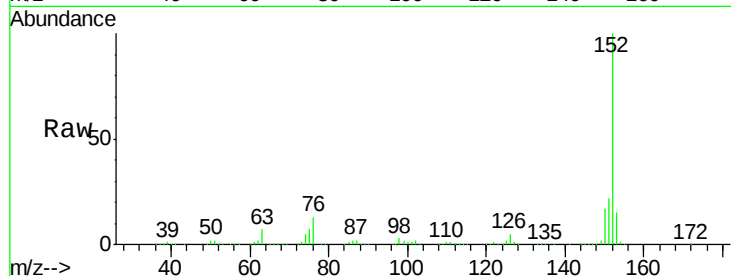
151 22.3 16.7 25.1

153 14.8 11.1 16.7

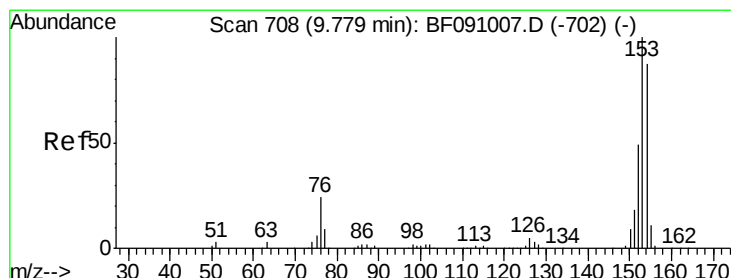
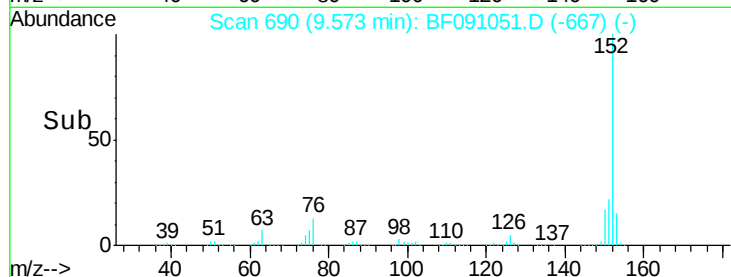
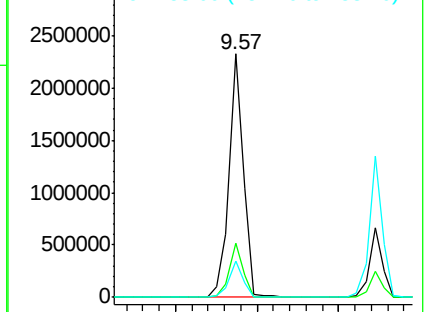
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#51

Acenaphthene

Concen: 65.60 ng

RT: 9.74 min Scan# 705

Delta R.T. -0.03 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

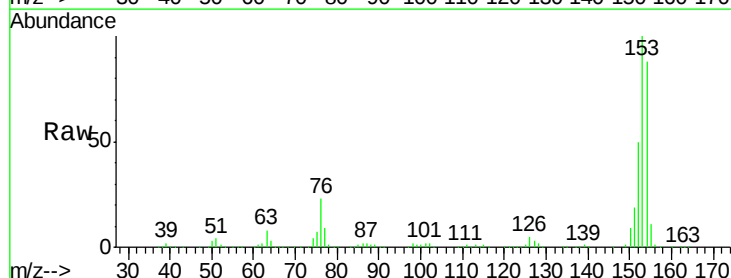
Tgt Ion:154 Resp: 1357451

Ion Ratio Lower Upper

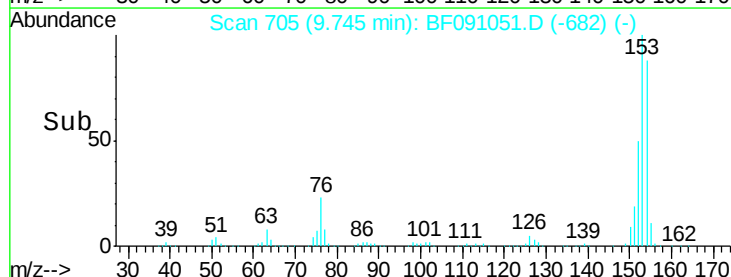
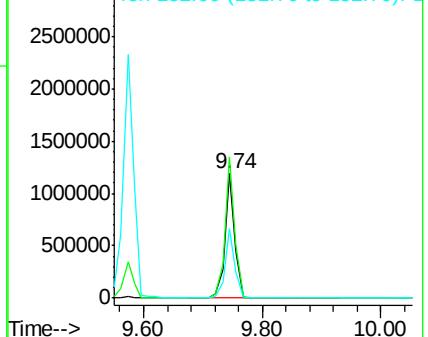
154 100

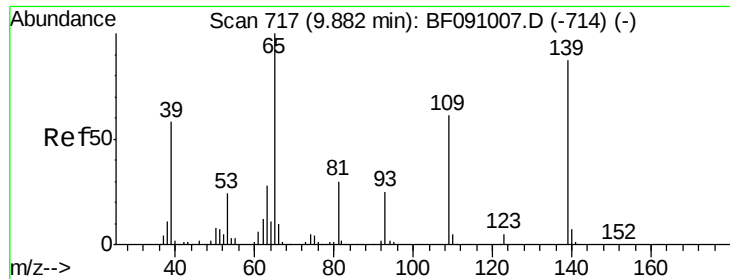
153 113.6 91.6 137.4

152 56.4 44.6 67.0



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





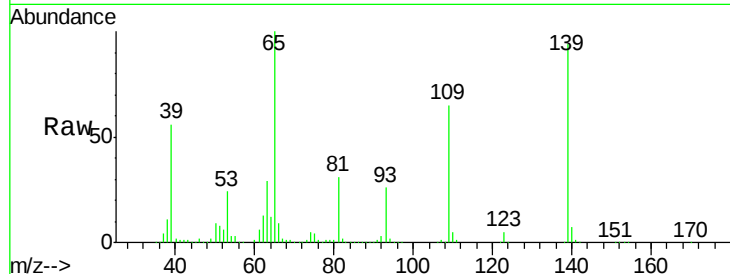
#55
4-Nitrophenol
Concen: 104.84 ng
RT: 9.86 min Scan# 715
Delta R.T. -0.02 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Instrument :
BNA_F
ClientSampled :
PT-BNA-SOIL

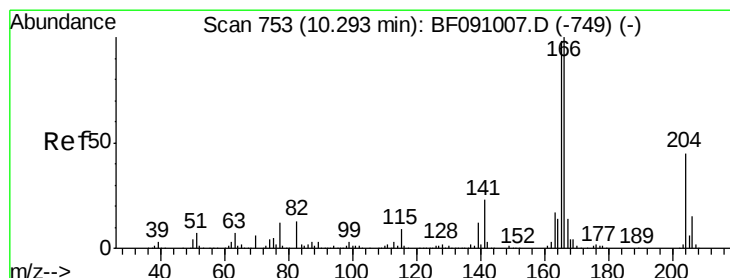
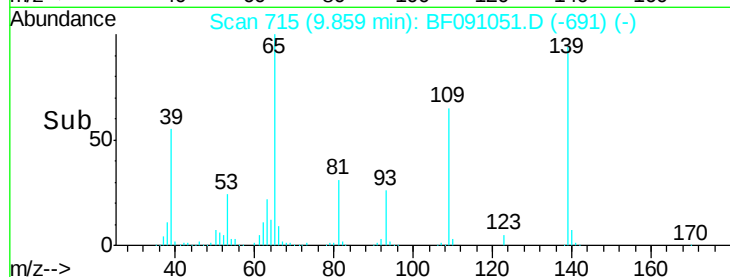
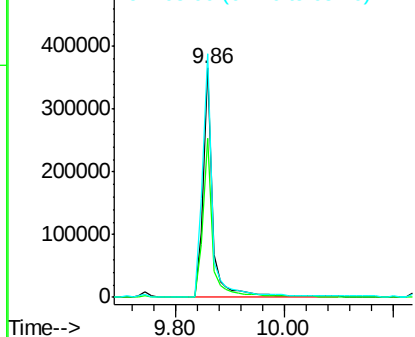
Tot Ion	Ratio	Lower	Upper
139	100		
109	69.4	50.5	90.5
65	106.1	97.1	137.1

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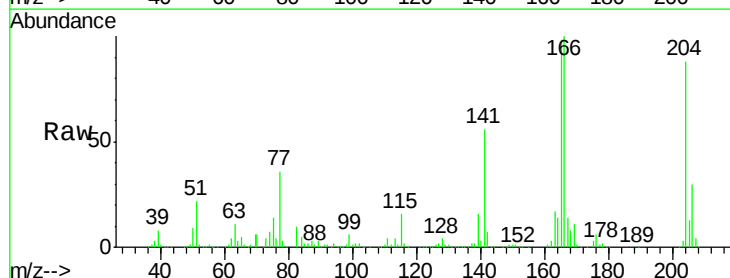


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

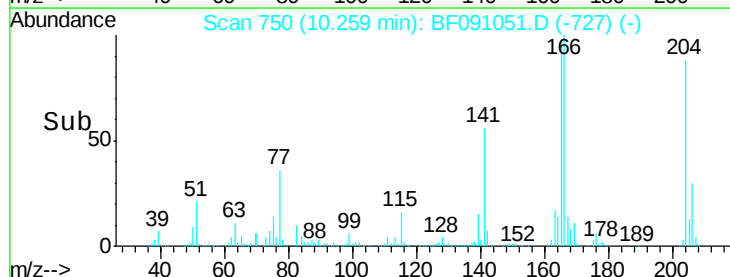
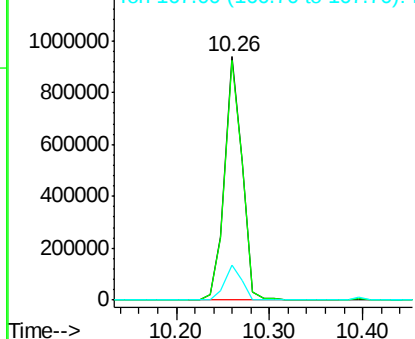


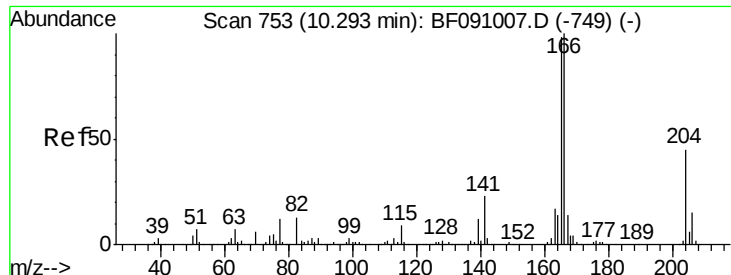
#57
Fluorene
Concen: 53.86 ng
RT: 10.26 min Scan# 750
Delta R.T. -0.03 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.6	118.0
167	14.4	11.1	16.7



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





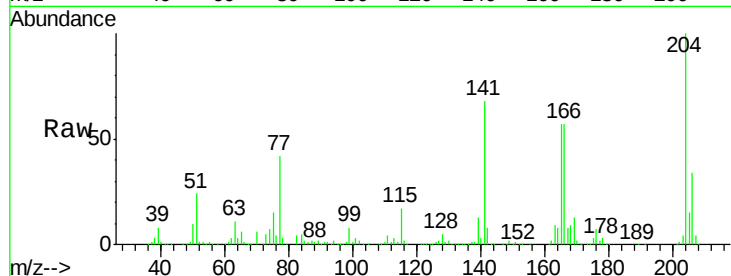
#60
4-Chlorophenyl-phenylether
Concen: 136.05 ng
RT: 10.27 min Scan# 751
Delta R.T. -0.02 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

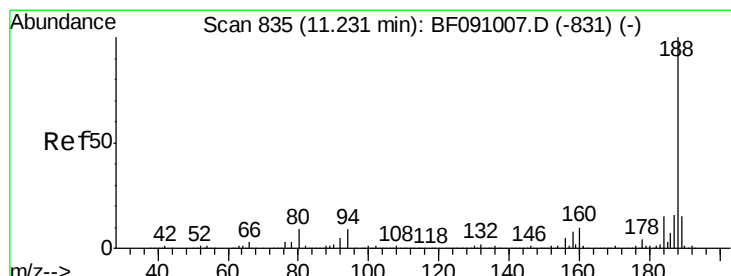
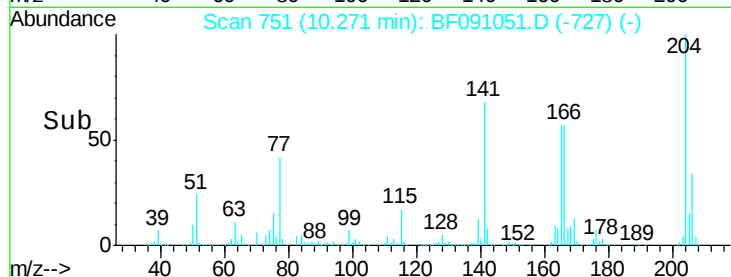
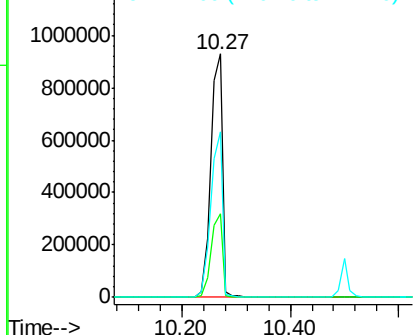
Tot Ion:204 Resp: 1409855
Ion Ratio Lower Upper
204 100
206 34.2 27.1 40.7
141 68.2 40.1 60.1#

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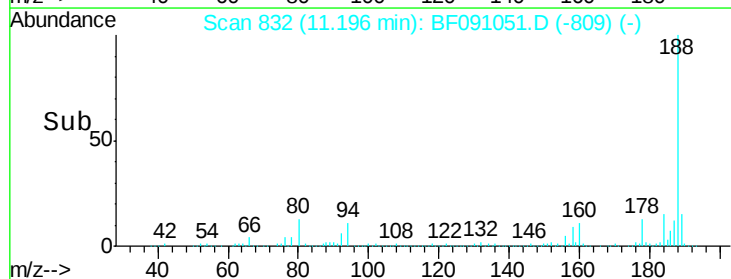
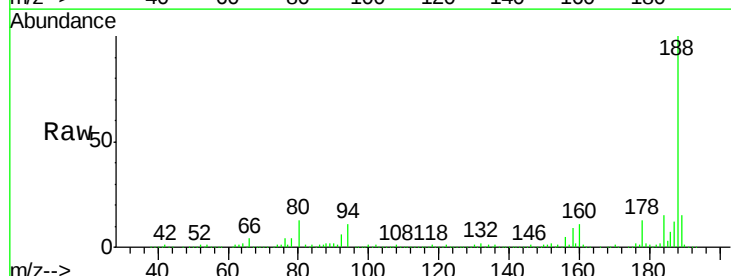
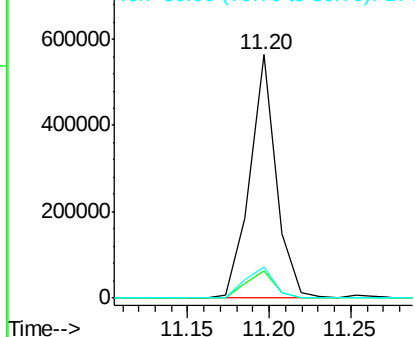
Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

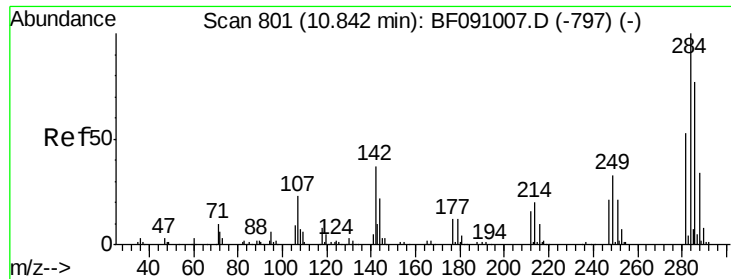


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 832
Delta R.T. -0.03 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Tgt Ion:188 Resp: 633159
Ion Ratio Lower Upper
188 100
94 11.4 7.0 10.4#
80 12.6 7.5 11.3#

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





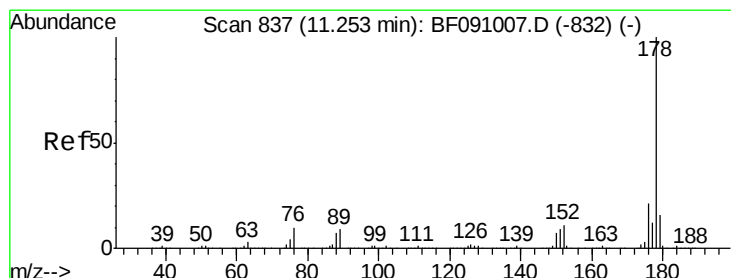
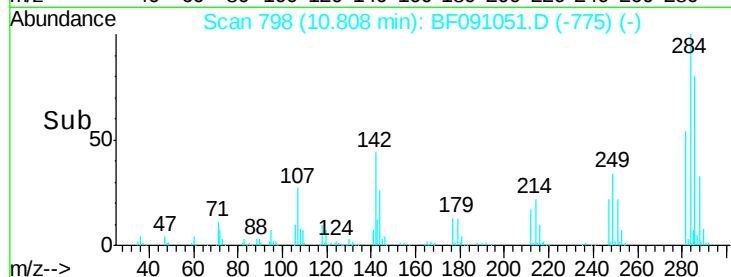
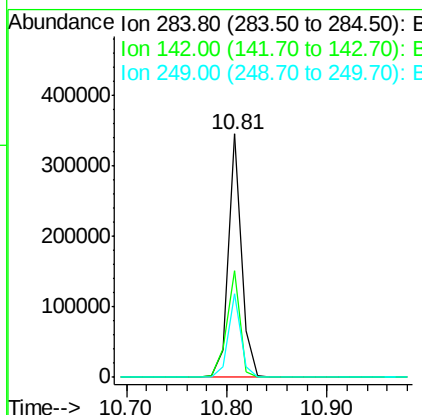
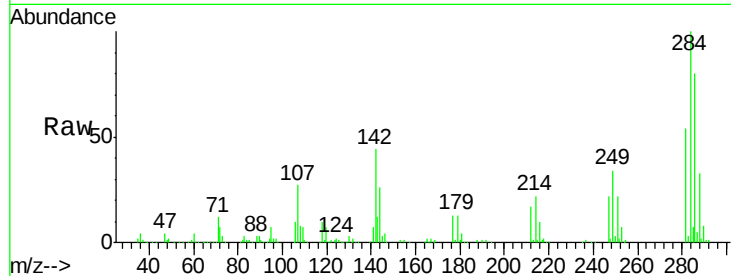
#67
Hexachlorobenzene
Concen: 43.14 ng
RT: 10.81 min Scan# 798
Delta R.T. -0.03 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
284	100	313353		
142	43.7	29.9	44.9	
249	34.5	26.6	39.8	

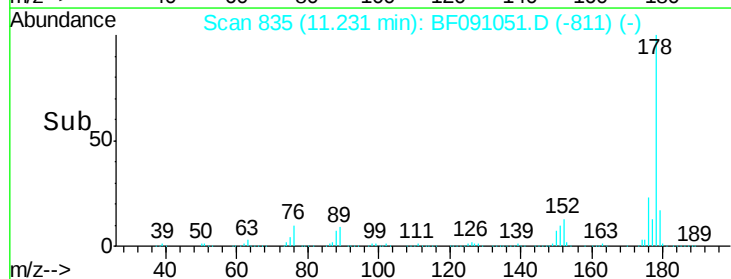
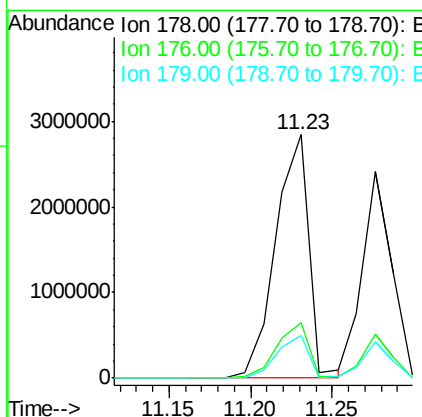
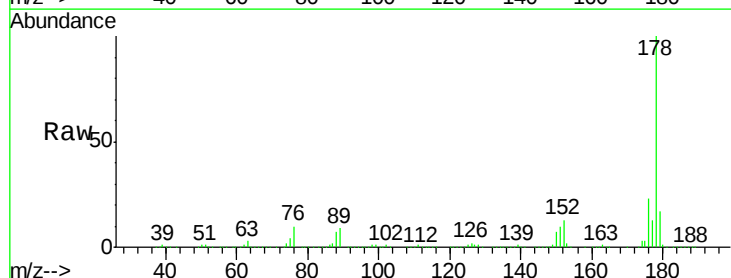
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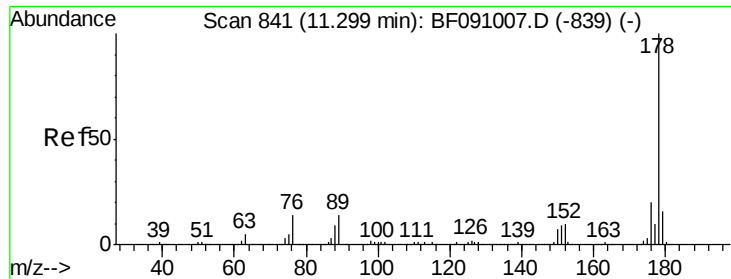
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#70
Phenanthrene
Concen: 119.93 ng
RT: 11.23 min Scan# 835
Delta R.T. -0.02 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	4036617		
176	22.7	16.6	25.0	
179	17.3	12.9	19.3	





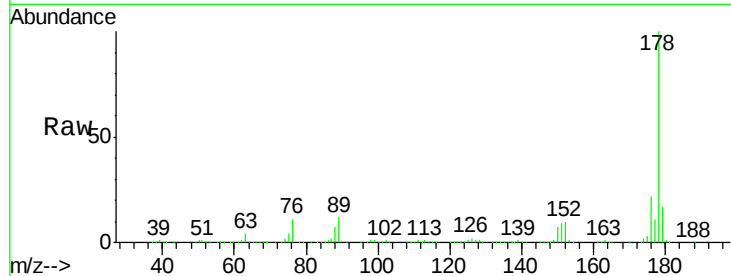
#71
 Anthracene
 Concen: 86.31 ng
 RT: 11.28 min Scan# 839
 Delta R.T. -0.02 min
 Lab File: BF091051.D
 Acq: 7 Nov 2016 13:10

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

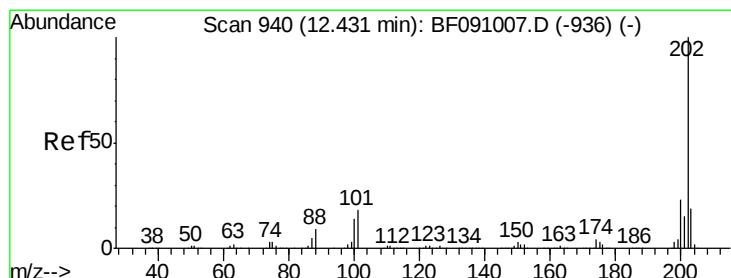
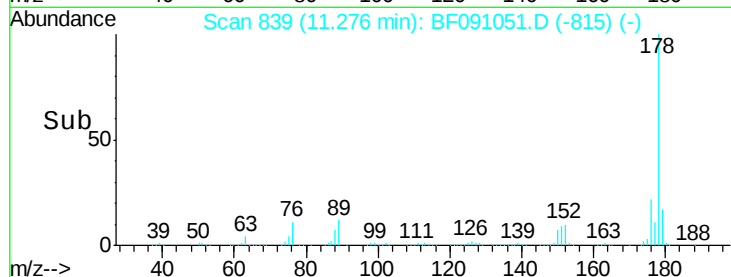
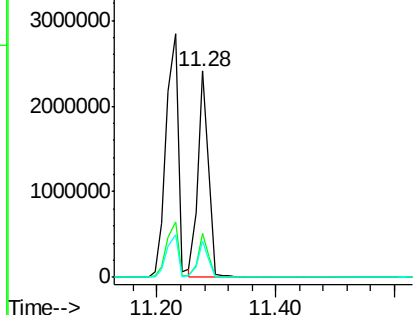
Tot Ion:178 Resp: 3088612
 Ion Ratio Lower Upper
 178 100
 176 21.6 16.0 24.0
 179 17.3 13.0 19.6

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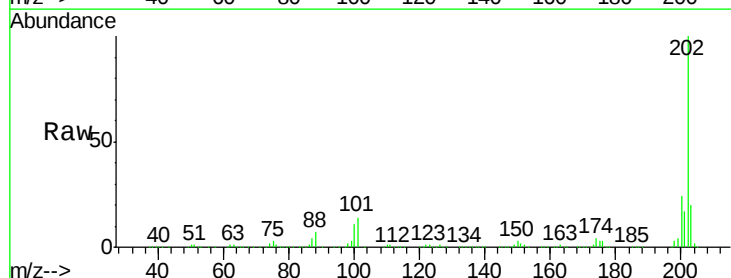


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

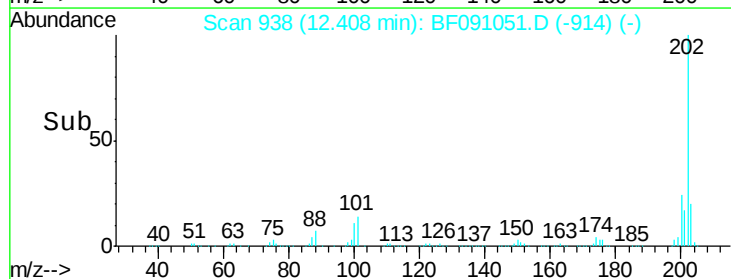
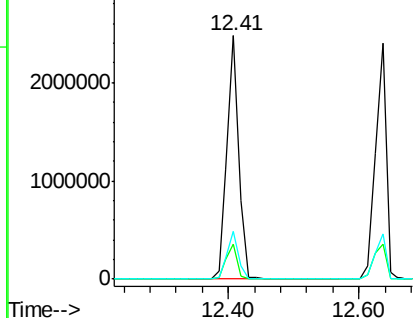


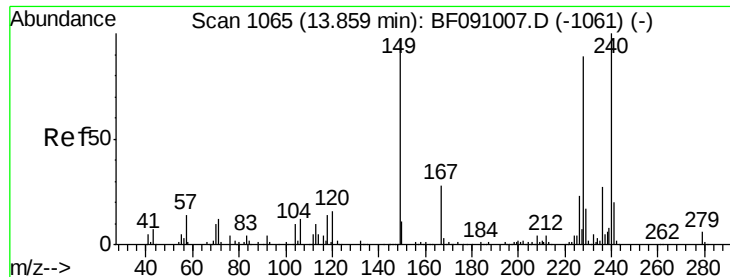
#74
 Fluoranthene
 Concen: 89.48 ng
 RT: 12.41 min Scan# 938
 Delta R.T. -0.02 min
 Lab File: BF091051.D
 Acq: 7 Nov 2016 13:10

Tgt Ion:202 Resp: 3123654
 Ion Ratio Lower Upper
 202 100
 101 14.4 0.0 37.6
 203 19.5 0.0 38.6



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: 20.00 ng

RT: 13.83 min Scan# 1062

Delta R.T. -0.03 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

Instrument :

BNA_F

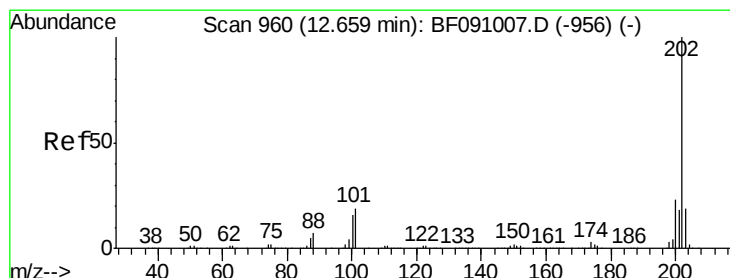
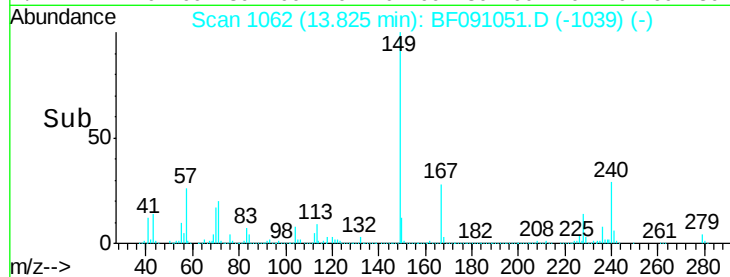
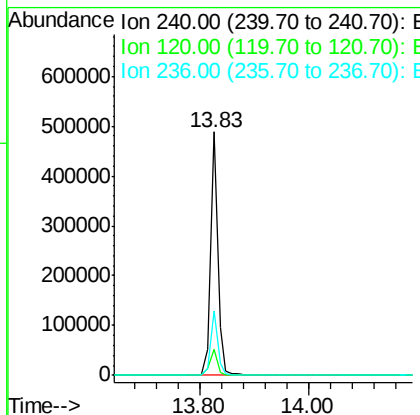
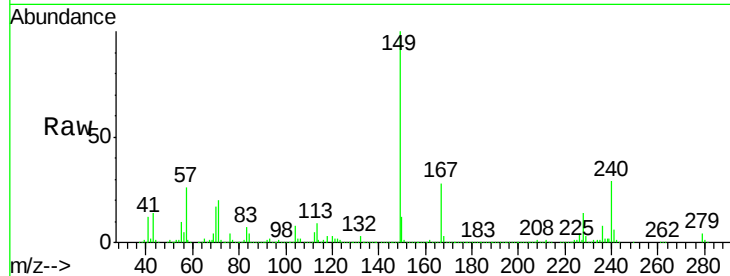
ClientSampleId :

PT-BNA-SOIL

Tot Ion:240 Resp: 453714
 Ion Ratio Lower Upper
 240 100
 120 10.5 12.9 19.3#
 236 26.5 21.9 32.9

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#77

Pyrene

Concen: 90.07 ng

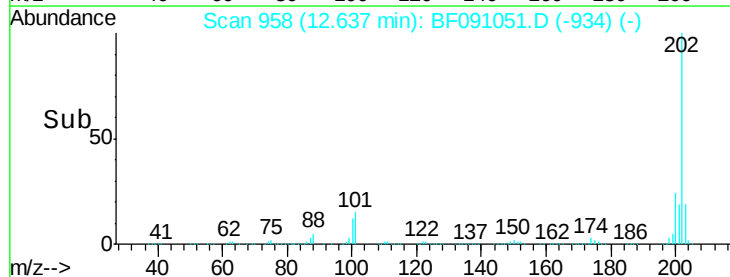
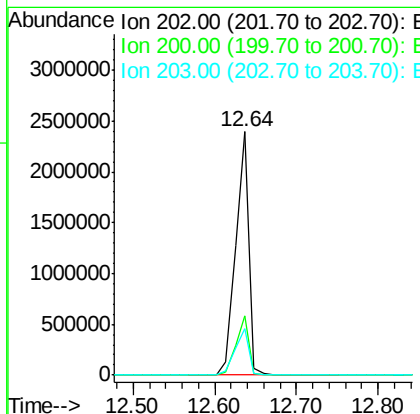
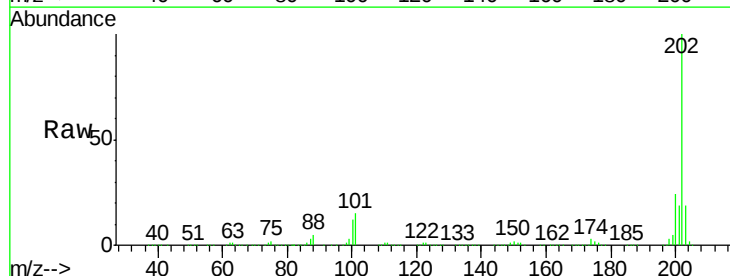
RT: 12.64 min Scan# 958

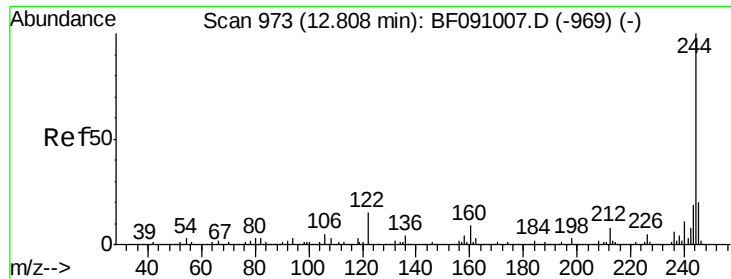
Delta R.T. -0.02 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

Tgt Ion:202 Resp: 2676381
 Ion Ratio Lower Upper
 202 100
 200 24.5 18.4 27.6
 203 19.2 15.0 22.6





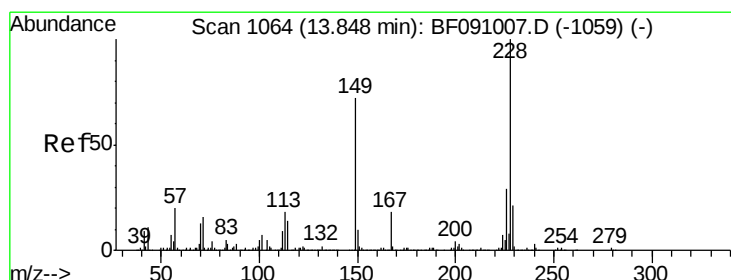
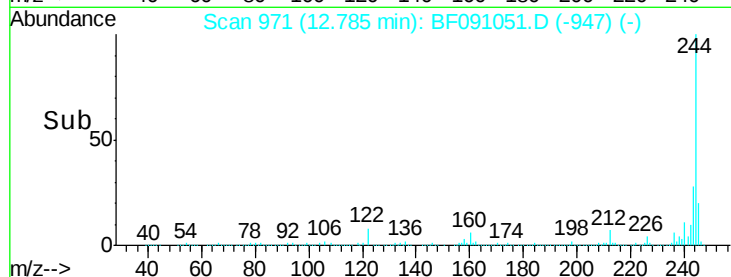
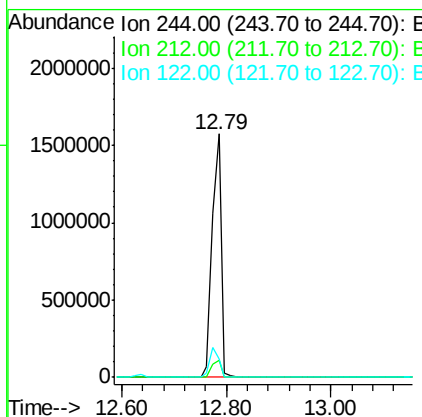
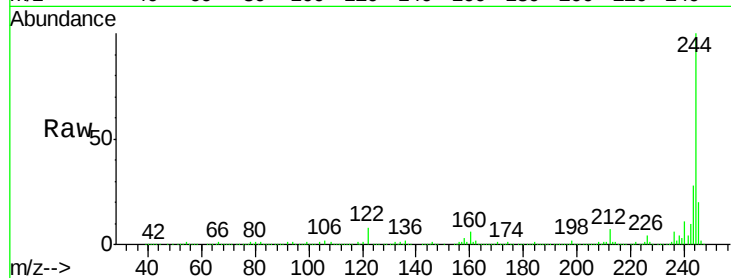
#78
 Terphenyl-d14
 Concen: 104.31 ng
 RT: 12.79 min Scan# 971
 Delta R.T. -0.02 min
 Lab File: BF091051.D
 Acq: 7 Nov 2016 13:10

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion:244 Resp: 1896543
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.4 9.6
 122 7.5 12.3 18.5#

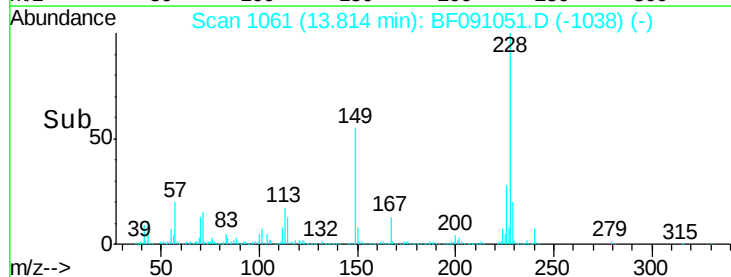
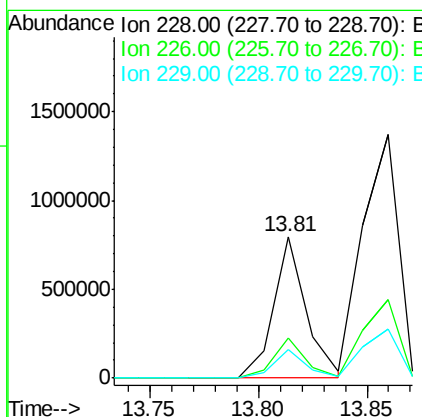
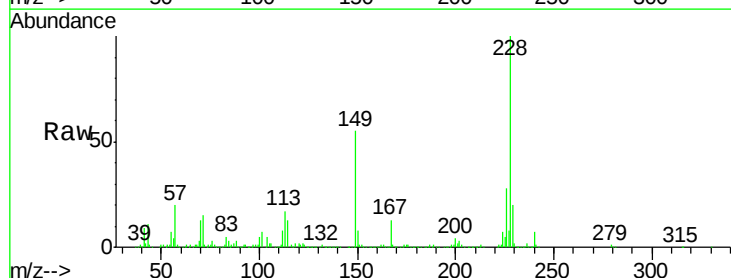
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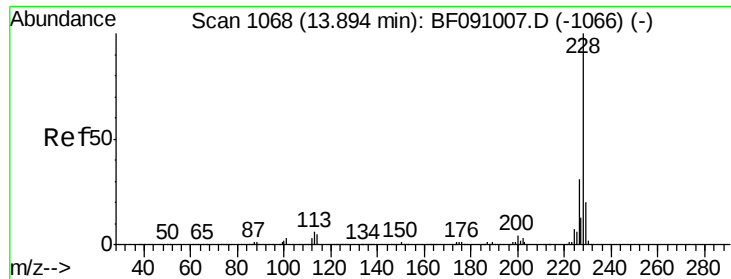
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#80
 Benzo(a)anthracene
 Concen: 32.50 ng
 RT: 13.81 min Scan# 1061
 Delta R.T. -0.03 min
 Lab File: BF091051.D
 Acq: 7 Nov 2016 13:10

Tgt Ion:228 Resp: 837155
 Ion Ratio Lower Upper
 228 100
 226 27.9 23.0 34.6
 229 20.2 16.6 24.8





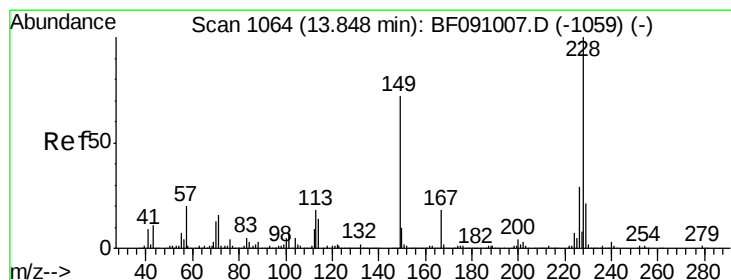
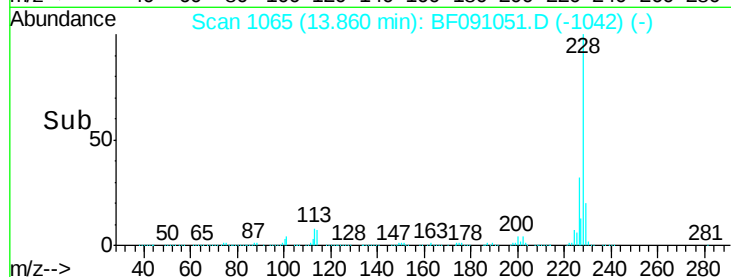
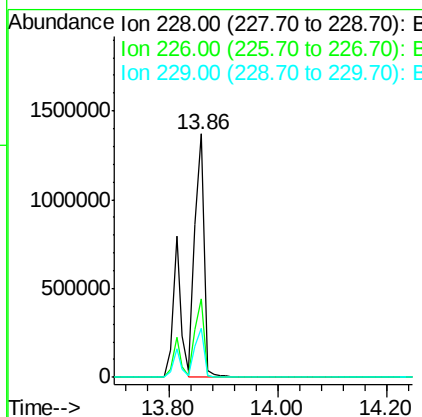
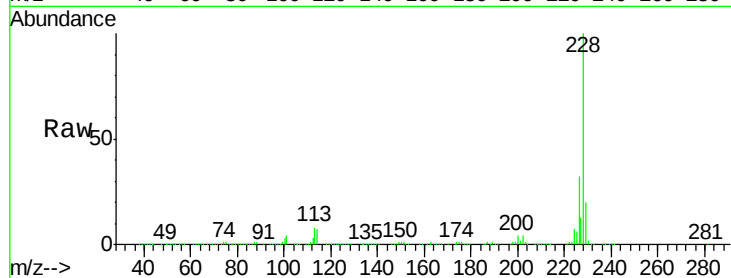
#82
Chrysene
Concen: 62.78 ng
RT: 13.86 min Scan# 1065
Delta R.T. -0.03 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

Tot Ion:228 Resp: 1594780
Ion Ratio Lower Upper
228 100
226 32.5 24.9 37.3
229 20.3 15.9 23.9

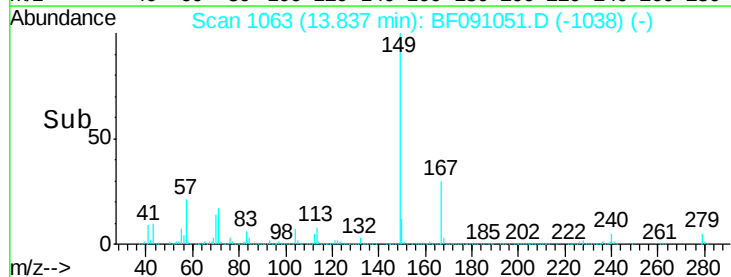
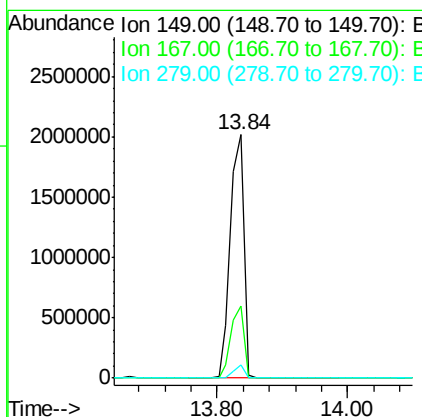
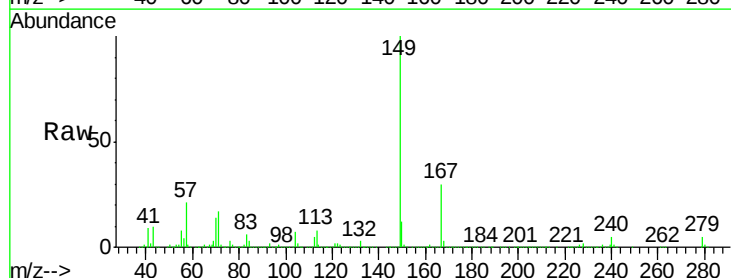
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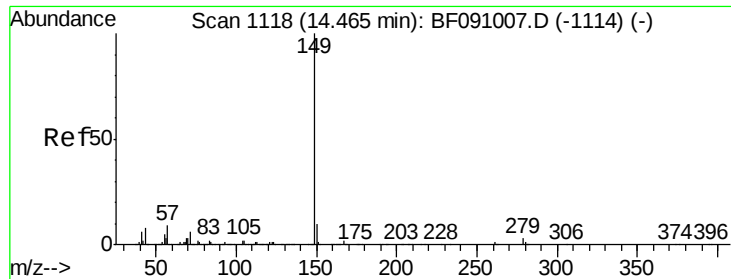
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#83
Bis(2-ethylhexyl)phthalate
Concen: 150.72 ng
RT: 13.84 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Tgt Ion:149 Resp: 2898927
Ion Ratio Lower Upper
149 100
167 29.9 20.4 30.6
279 5.3 1.6 2.4#





#84

Di-n-octyl phthalate

Concen: 131.65 ng

RT: 14.44 min Scan# 1116

Delta R.T. -0.02 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tot Ion:149 Resp: 4163490

Ion Ratio Lower Upper

149 100

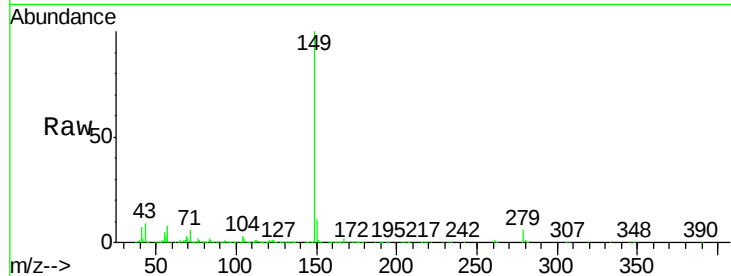
167 1.8 1.2 1.8#

43 9.6 8.2 12.4

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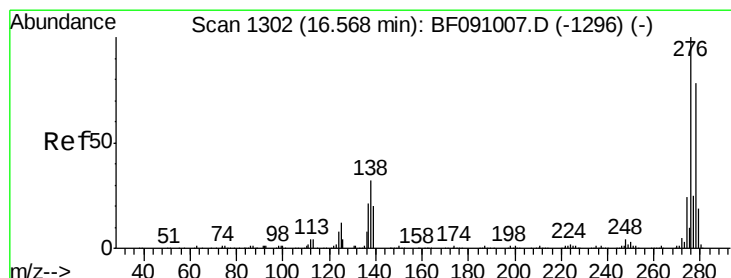
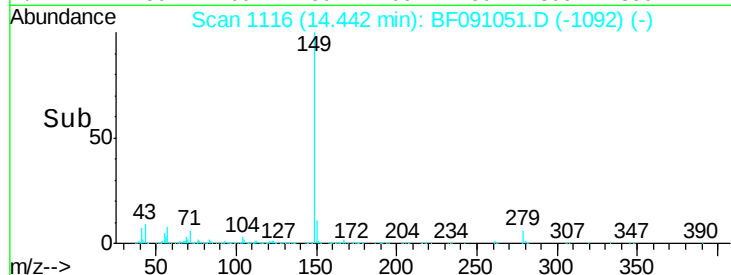
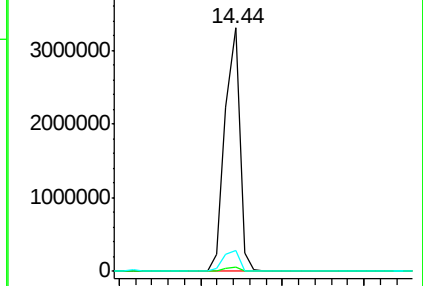
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 64.68 ng

RT: 16.51 min Scan# 1297

Delta R.T. -0.06 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

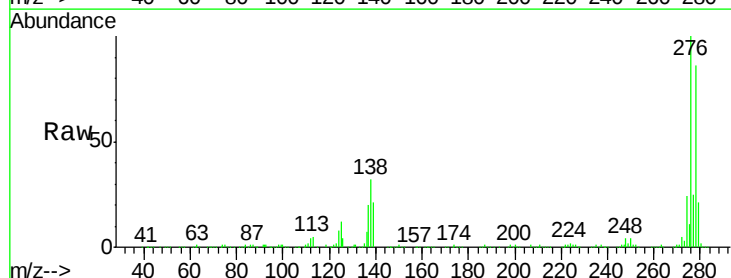
Tgt Ion:276 Resp: 1363276

Ion Ratio Lower Upper

276 100

138 34.5 26.0 39.0

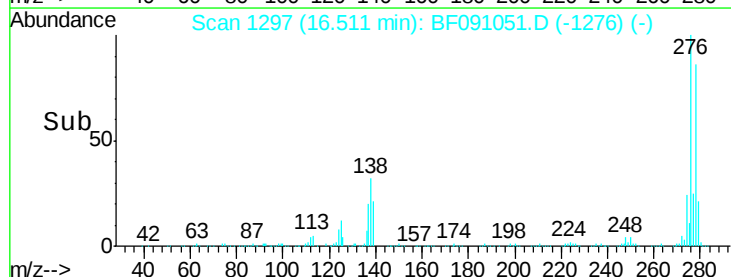
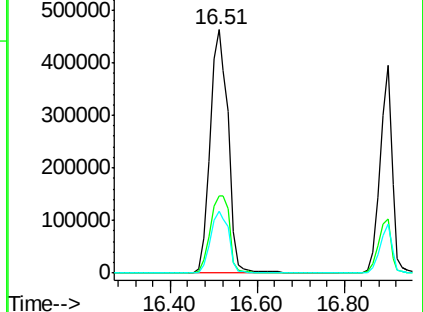
277 25.9 20.1 30.1

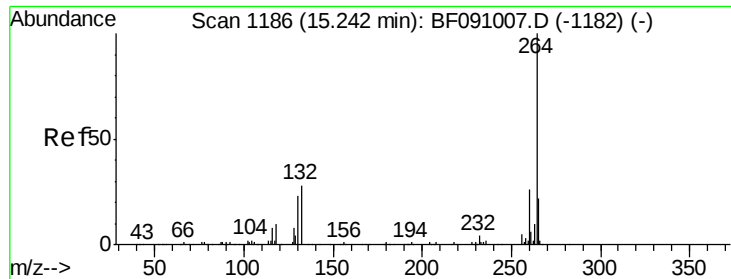


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





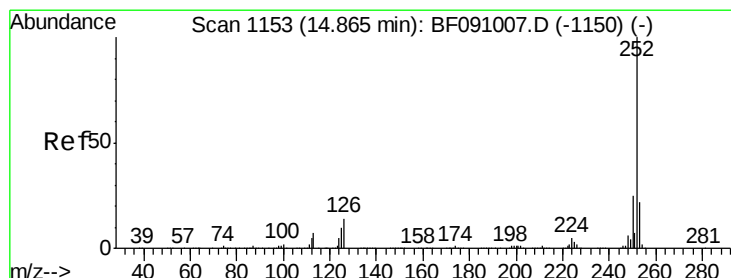
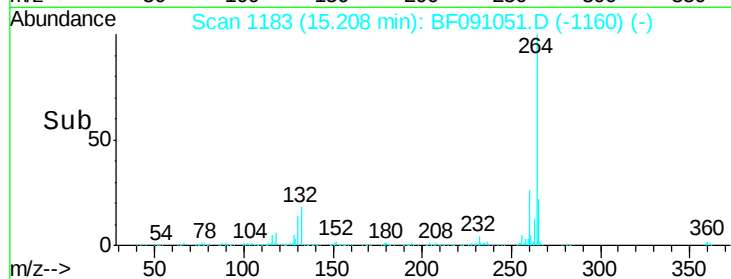
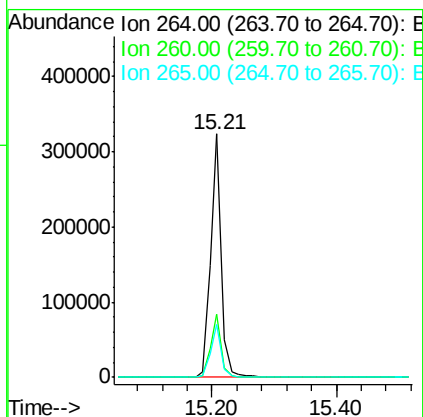
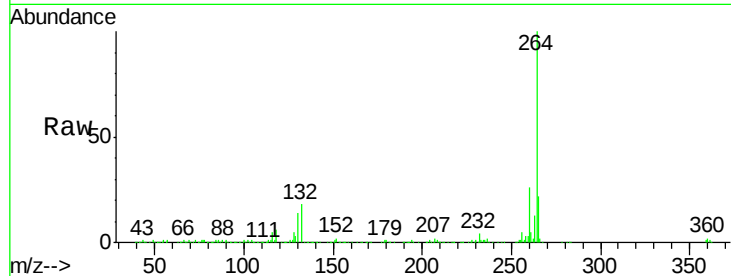
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1183
Delta R.T. -0.03 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Instrument :
BNA_F
ClientSampled :
PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.6	30.8
265	21.7	17.8	26.8

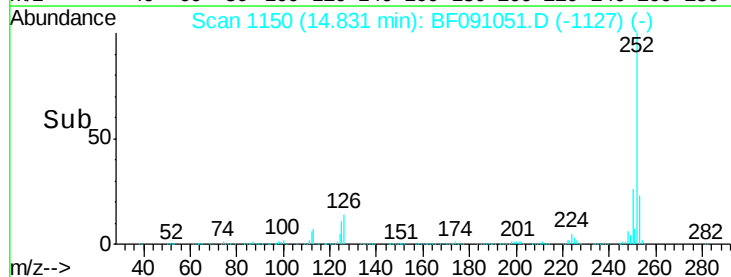
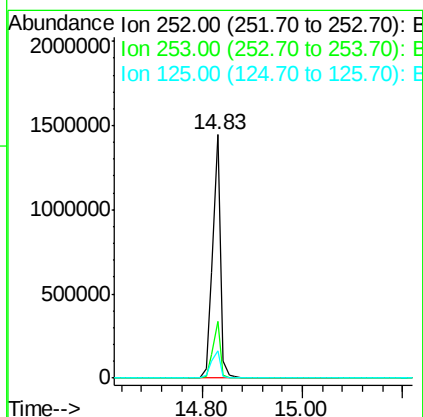
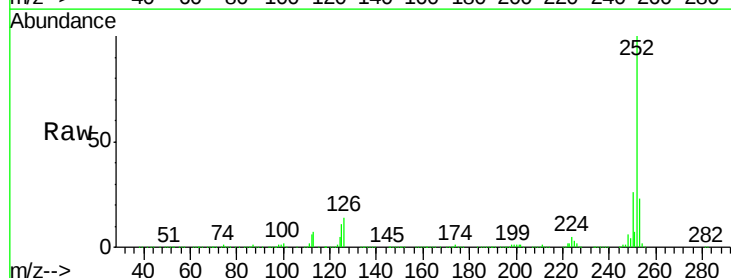
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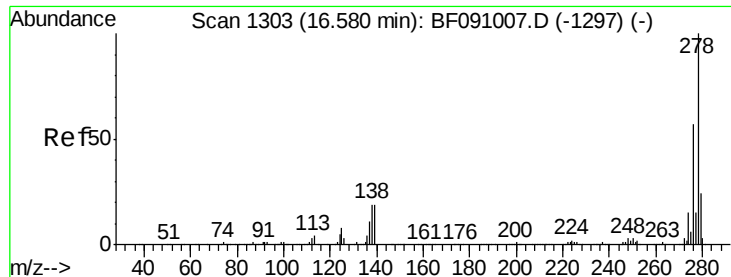
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#87
Benzo(b)fluoranthene
Concen: 61.04 ng
RT: 14.83 min Scan# 1150
Delta R.T. -0.03 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	11.2	8.3	12.5





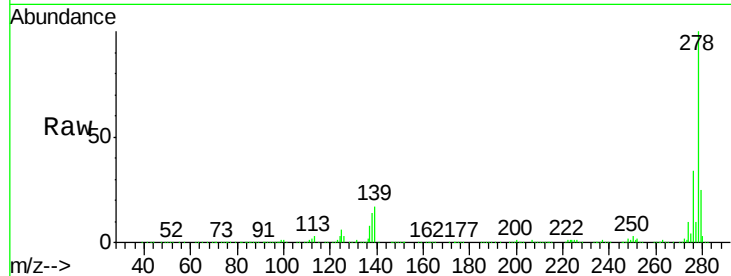
#90
Dibenzo(a,h)anthracene
Concen: 89.66 ng
RT: 16.53 min Scan# 1299
Delta R.T. -0.05 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

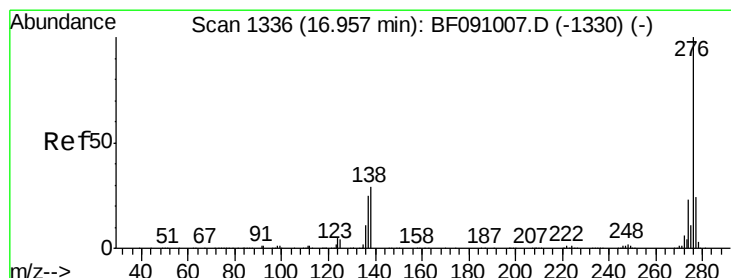
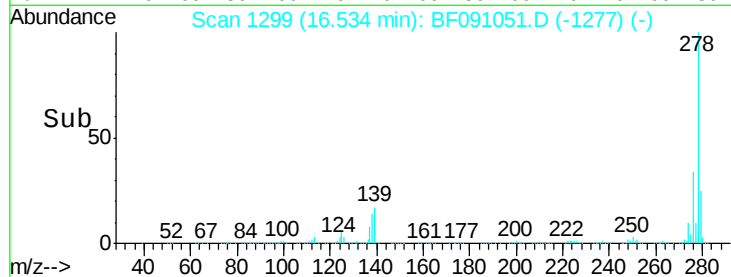
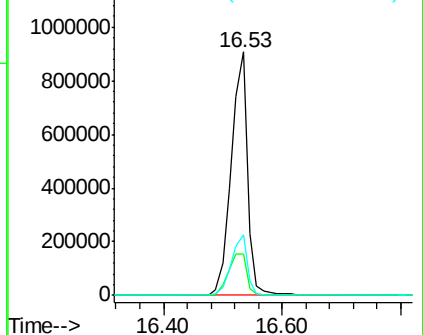
Tot Ion:278 Resp: 1730408
Ion Ratio Lower Upper
278 100
139 17.1 15.3 22.9
279 24.7 19.3 28.9

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 43.57 ng
RT: 16.90 min Scan# 1331
Delta R.T. -0.06 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Tgt Ion:276 Resp: 760371
Ion Ratio Lower Upper
276 100
277 23.9 19.2 28.8
138 26.2 23.3 34.9

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

