

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051016\
 Data File : BF086855.D
 Acq On : 10 May 2016 12:32
 Operator : UM/SJ
 Sample : H2817-15
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Manual Integrations
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Quant Time: May 10 14:39:43 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	186588	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	804595	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	385550	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	713826	20.00	ng	0.00
75) Chrysene-d12	13.84	240	449930	20.00	ng	0.00
86) Perylene-d12	15.21	264	459166	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1312052	119.09	ng	0.00
7) Phenol-d6	6.36	99	1737518	118.00	ng	0.00
23) Nitrobenzene-d5	7.26	82	1272882	79.44	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	450572	110.39	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	1833631	79.93	ng	0.00
78) Terphenyl-d14	12.79	244	1563214	73.72	ng	-0.01

Target Compounds						Qvalue
8) 2-Chlorophenol	6.49	128	1170870	88.07	ng	91
10) Phenol	6.38	94	2338619	133.62	ng	83
11) bis(2-Chloroethyl)ether	6.44	93	1387617	101.68	ng	# 83
12) 1,3-Dichlorobenzene	6.64	146	1982788	137.82	ng	# 93
13) 1,4-Dichlorobenzene	6.72	146	2144502	146.16	ng	# 94
14) 1,2-Dichlorobenzene	6.86	146	2413094	188.70	ng	96
18) Hexachloroethane	7.20	117	901004	163.22	ng	99
25) Isophorone	7.53	82	4741978	159.50	ng	97
29) 2,4-Dichlorophenol	7.85	162	762279	70.17	ng	94
30) 1,2,4-Trichlorobenzene	7.93	180	1490151	122.68	ng	98
31) Naphthalene	8.00	128	2358240	58.52	ng	98
34) Hexachlorobutadiene	8.12	225	456613	64.79	ng	98
36) 4-Chloro-3-methylphenol	8.56	107	1738441	131.95	ng	90
37) 2-Methylnaphthalene	8.70	142	3865711	164.08	ng	# 95
42) 2,4,6-Trichlorophenol	8.98	196	881433	117.59	ng	94
43) 2,4,5-Trichlorophenol	9.01	196	453188	58.46	ng	# 81
46) 2-Chloronaphthalene	9.18	162	2259782	94.05	ng	95
49) Dimethylphthalate	9.46	163	195575	6.65	ng	98
51) Acenaphthene	9.77	154	1889243	85.94	ng	99
55) 4-Nitrophenol	9.89	139	805899	179.45	ng	# 61
59) Diethylphthalate	10.17	149	2036233	71.04	ng	97
60) 4-Chlorophenyl-phenylether	10.28	204	1771063	Below Cal	ng	# 83
66) 4-Bromophenyl-phenylether	10.76	248	620631	85.75	ng	# 78
69) Pentachlorophenol	11.02	266	614946	157.32	ng	97
71) Anthracene	11.29	178	2840940	72.92	ng	98
73) Di-n-butylphthalate	11.79	149	4989293	121.99	ng	# 98
77) Pyrene	12.65	202	3846222	111.66	ng	97
79) Butylbenzylphthalate	13.27	149	1346038	92.39	ng	# 69
82) Chrysene	13.87	228	3064328	119.27	ng	97
83) Bis(2-ethylhexyl)phthalate	13.83	149	2042921	116.57	ng	97
84) Di-n-octyl phthalate	14.44	149	3400308	117.12	ng	# 83
87) Benzo(b)fluoranthene	14.83	252	1563163m	52.38	ng	
88) Benzo(k)fluoranthene	14.88	252	3353770m	137.26	ng	
91) Benzo(g,h,i)perylene	16.90	276	1335848	60.60	ng	# 89

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Instrument :
BNA_F
ClientSampleId :
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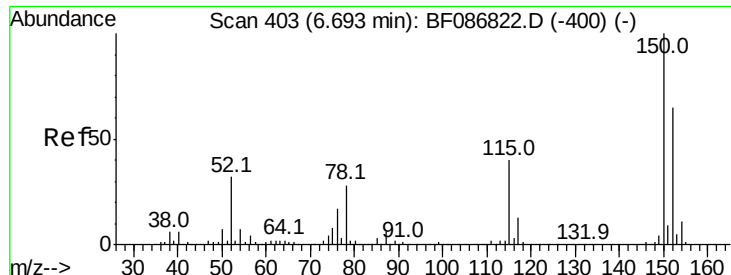
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. 0.00 min

Lab File: BF086855.D

Acq: 10 May 2016 12:32

Instrument :

BNA_F

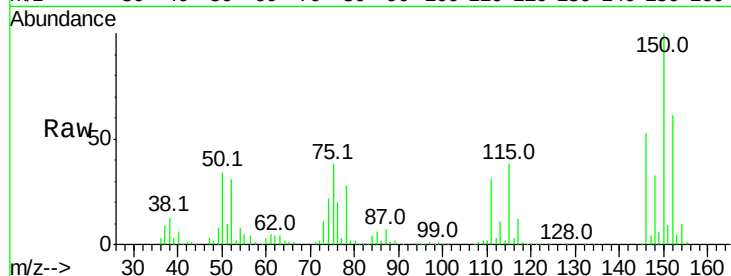
ClientSampleId :

PT-BNA-SOIL

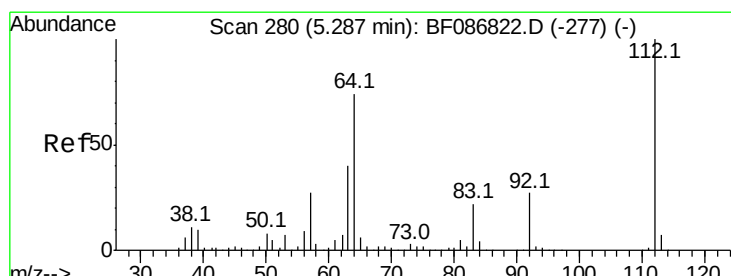
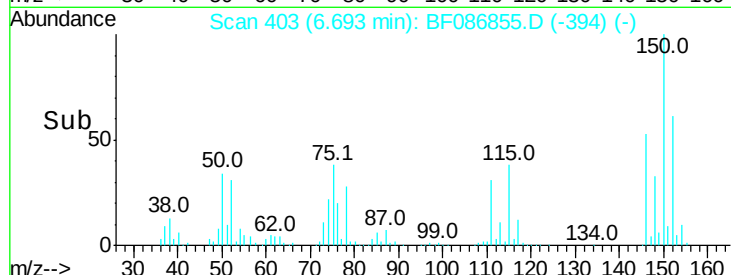
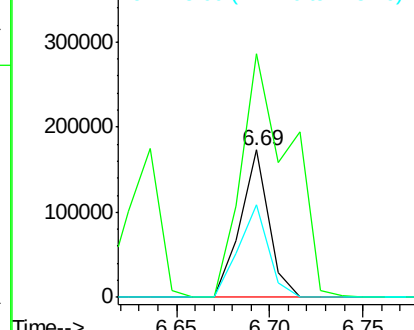
Tot Ion:	152	Resp:	186588
Ion Ratio	Lower	Upper	
152	100		
150	165.1	125.8	188.6
115	62.9	51.5	77.3

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 119.09 ng

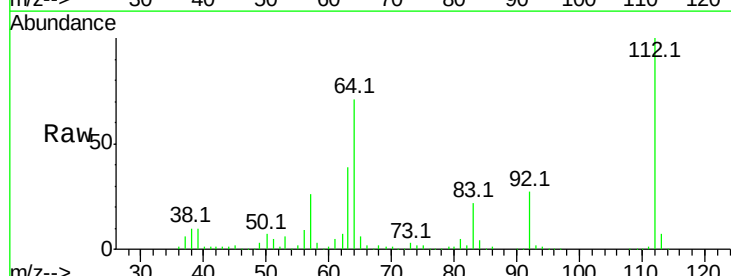
RT: 5.29 min Scan# 280

Delta R.T. 0.00 min

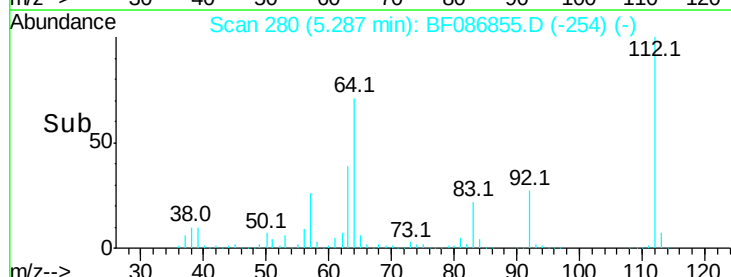
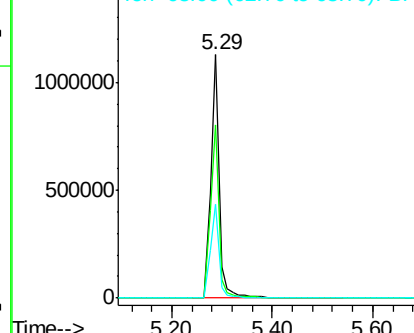
Lab File: BF086855.D

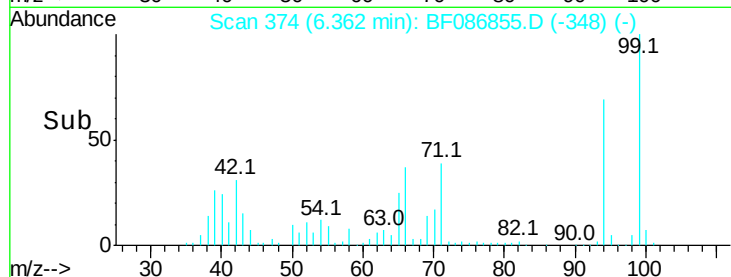
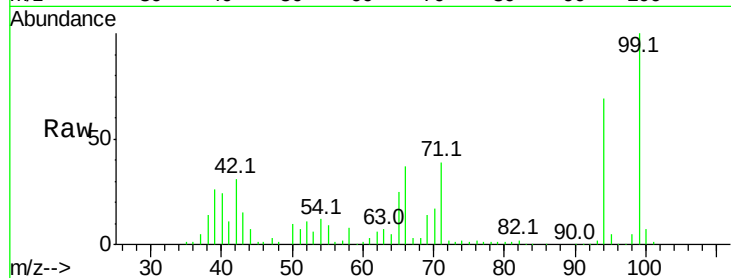
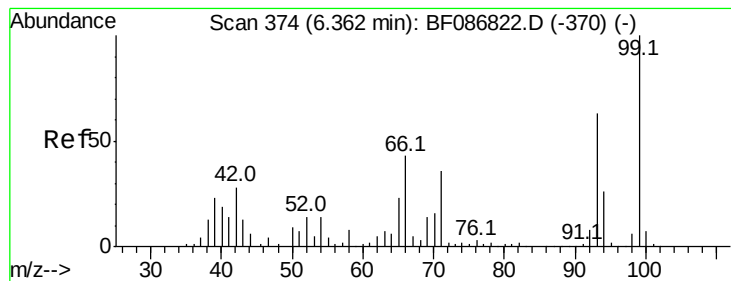
Acq: 10 May 2016 12:32

Tgt Ion:	112	Resp:	1312052
Ion Ratio	Lower	Upper	
112	100		
64	71.4	52.1	78.1
63	38.7	25.7	38.5#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 118.00 ng

RT: 6.36 min Scan# 374

Delta R.T. 0.00 min

Lab File: BF086855.D

Acq: 10 May 2016 12:32

Tot Ion: 99 Resp: 1737518

Ion Ratio Lower Upper

99 100

42 31.2 13.6 20.4#

71 38.9 24.6 36.8#

Instrument :

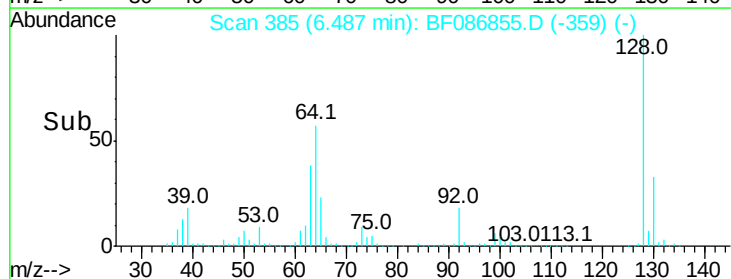
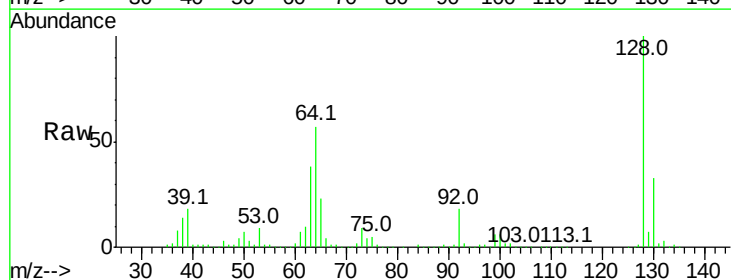
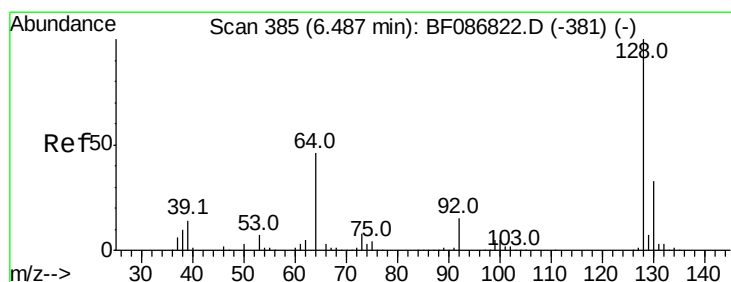
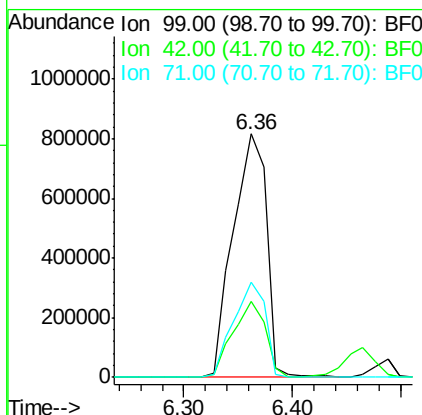
BNA_F

ClientSampled :

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#8

2-Chlorophenol

Concen: 88.07 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF086855.D

Acq: 10 May 2016 12:32

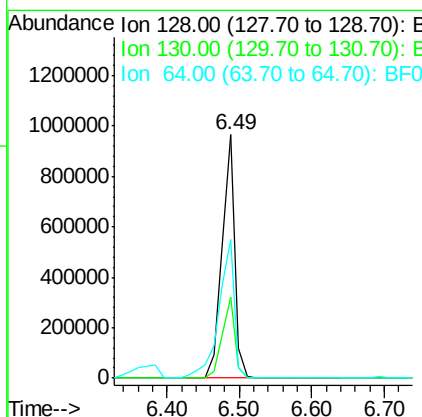
Tgt Ion:128 Resp: 1170870

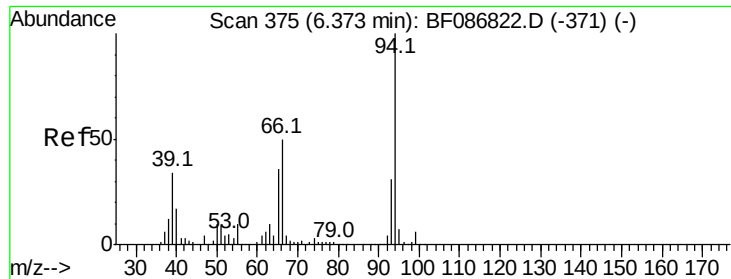
Ion Ratio Lower Upper

128 100

130 33.3 12.5 52.5

64 57.1 27.3 67.3





#10

Phenol

Concen: 133.62 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF086855.D

Acq: 10 May 2016 12:32

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tot Ion: 94 Resp: 2338619

Ion Ratio Lower Upper

94 100

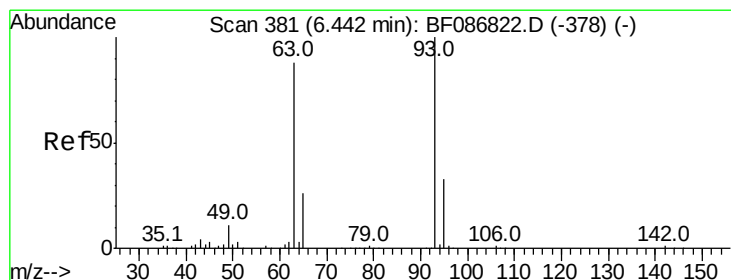
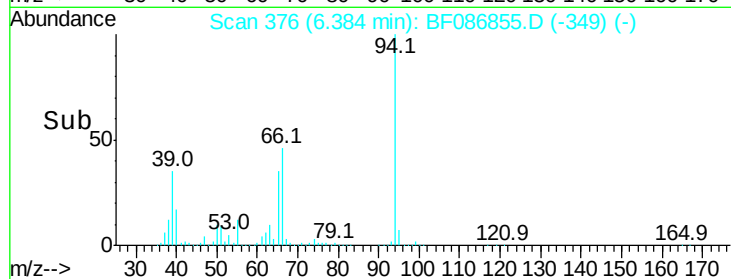
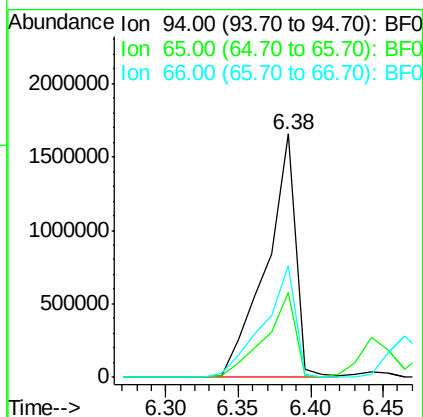
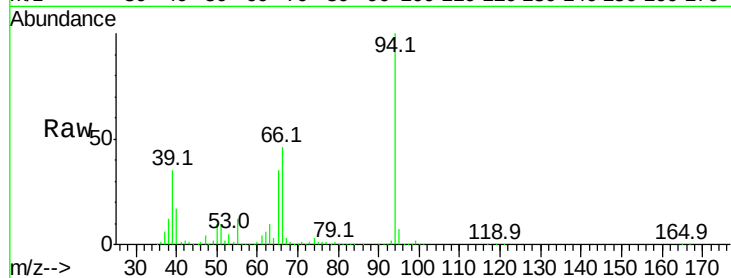
65 35.1 7.2 47.2

66 45.9 14.9 54.9

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#11

bis(2-Chloroethyl)ether

Concen: 101.68 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF086855.D

Acq: 10 May 2016 12:32

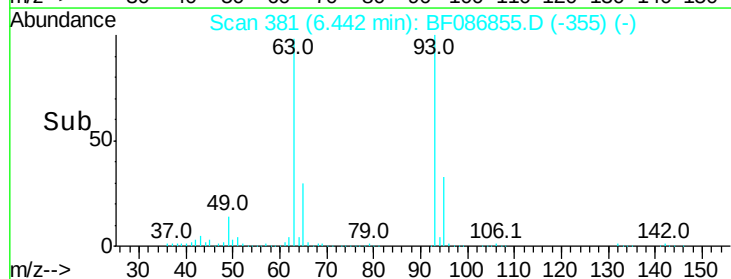
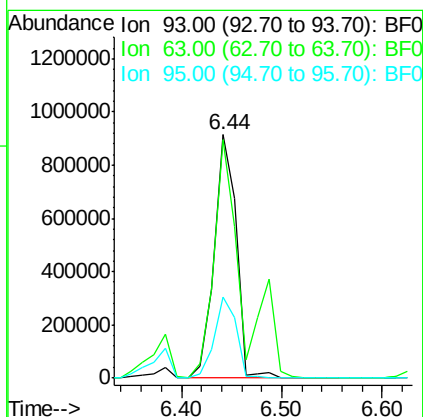
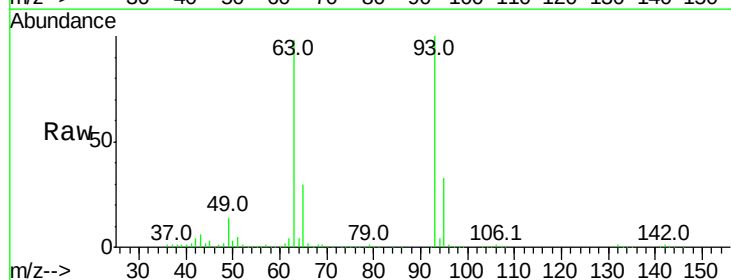
Tgt Ion: 93 Resp: 1387617

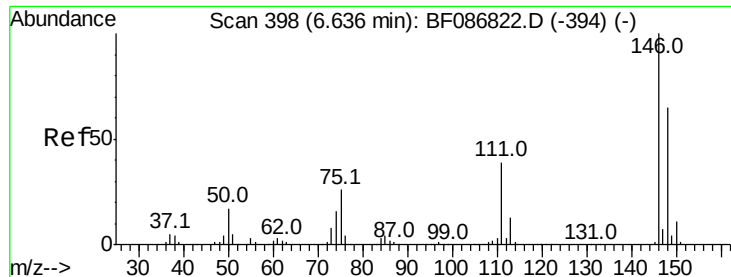
Ion Ratio Lower Upper

93 100

63 98.2 58.0 98.0#

95 33.1 11.9 51.9





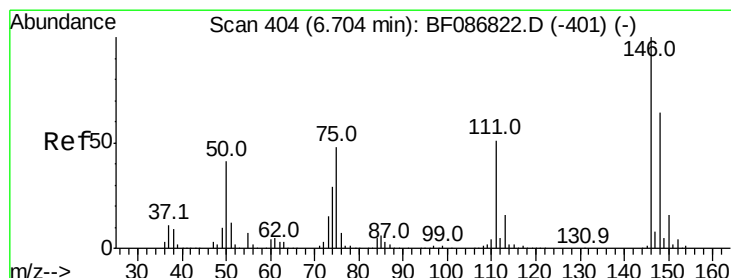
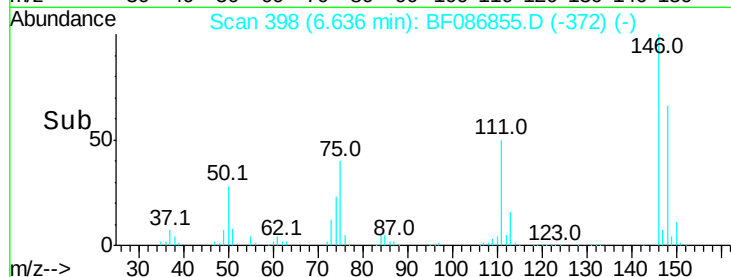
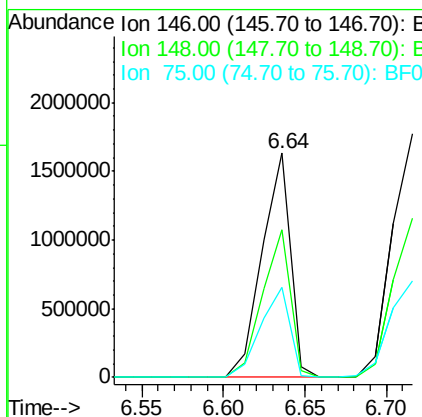
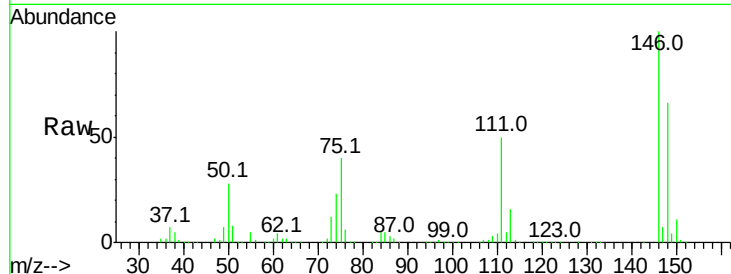
#12
 1,3-Dichlorobenzene
 Concen: 137.82 ng
 RT: 6.64 min Scan# 398
 Delta R.T. 0.00 min
 Lab File: BF086855.D
 Acq: 10 May 2016 12:32

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion:146 Resp: 1982788
 Ion Ratio Lower Upper
 146 100
 148 65.6 52.4 78.6
 75 39.9 22.8 34.2#

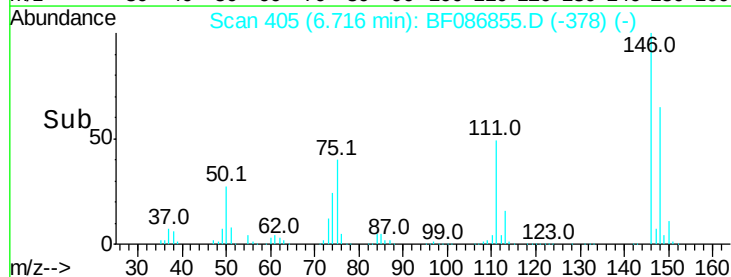
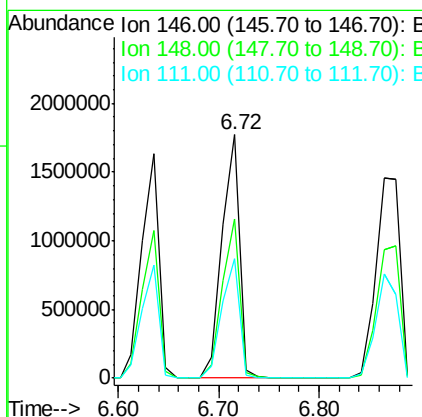
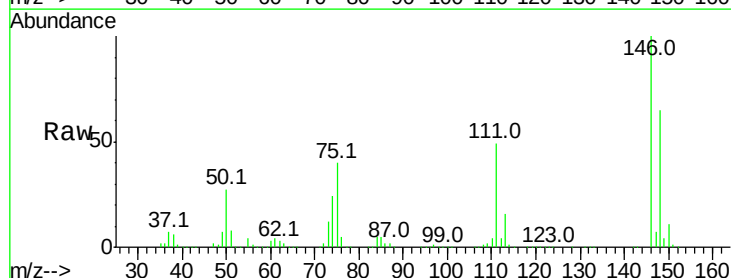
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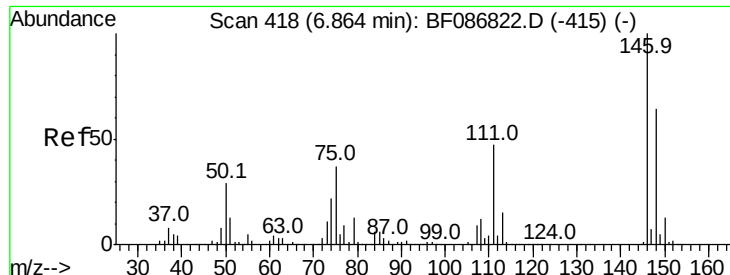
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#13
 1,4-Dichlorobenzene
 Concen: 146.16 ng
 RT: 6.72 min Scan# 405
 Delta R.T. 0.01 min
 Lab File: BF086855.D
 Acq: 10 May 2016 12:32

Tgt Ion:146 Resp: 2144502
 Ion Ratio Lower Upper
 146 100
 148 65.4 52.2 78.4
 111 48.9 30.7 46.1#





#14

1,2-Dichlorobenzene

Concen: 188.70 ng

RT: 6.86 min Scan# 418

Delta R.T. 0.00 min

Lab File: BF086855.D

Acq: 10 May 2016 12:32

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tot Ion:146 Resp: 2413094

Ion Ratio Lower Upper

146 100

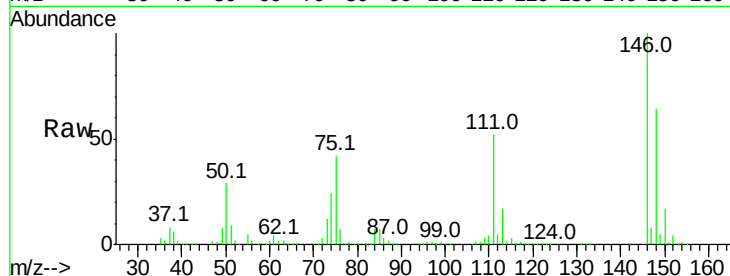
148 64.0 51.0 76.6

111 51.8 36.2 54.4

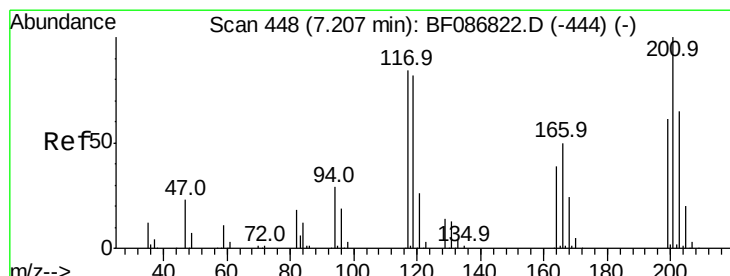
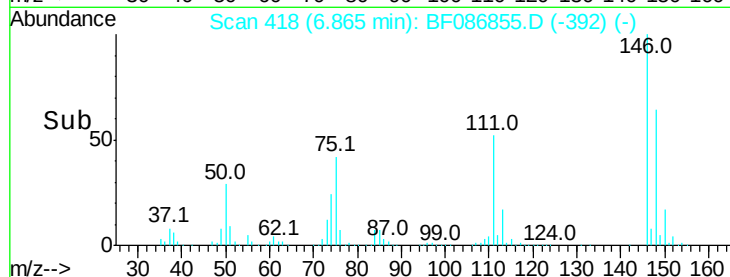
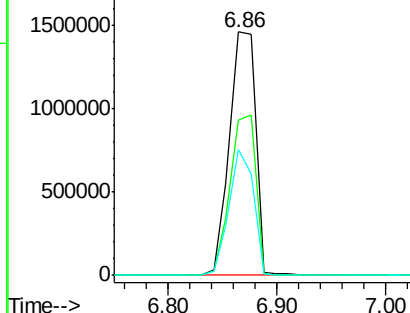
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Abundance Ion 146.00 (145.70 to 146.70): E
2000000
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#18

Hexachloroethane

Concen: 163.22 ng

RT: 7.20 min Scan# 447

Delta R.T. -0.01 min

Lab File: BF086855.D

Acq: 10 May 2016 12:32

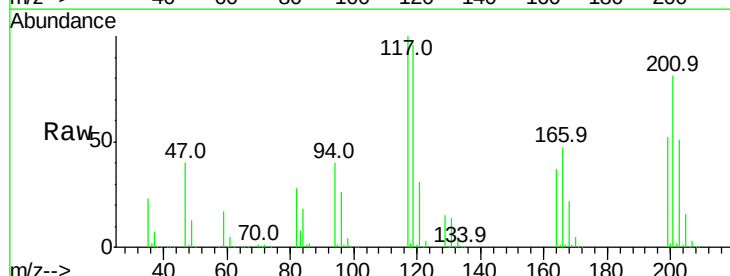
Tgt Ion:117 Resp: 901004

Ion Ratio Lower Upper

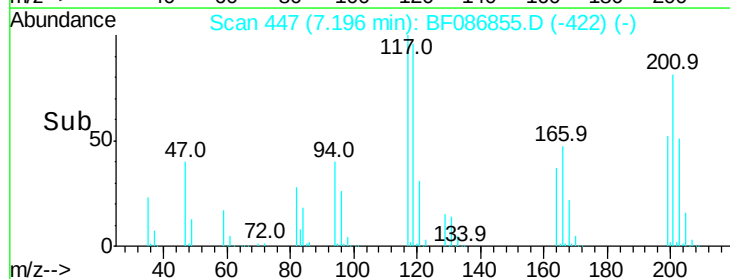
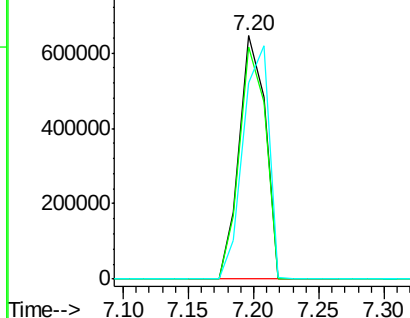
117 100

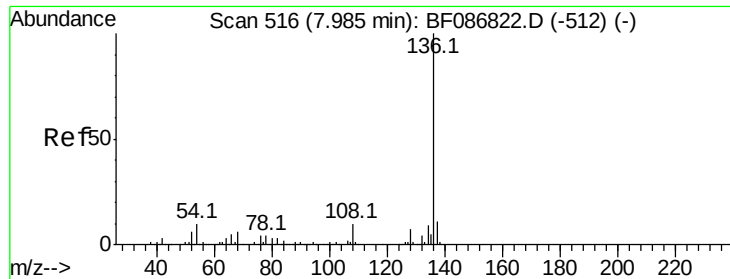
119 95.6 76.5 114.7

201 80.7 63.0 94.6



Abundance Ion 117.00 (116.70 to 117.70): E
800000
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





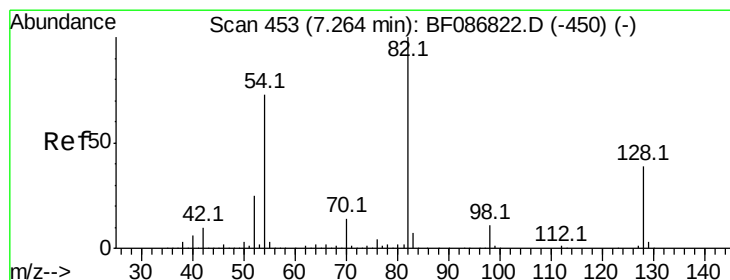
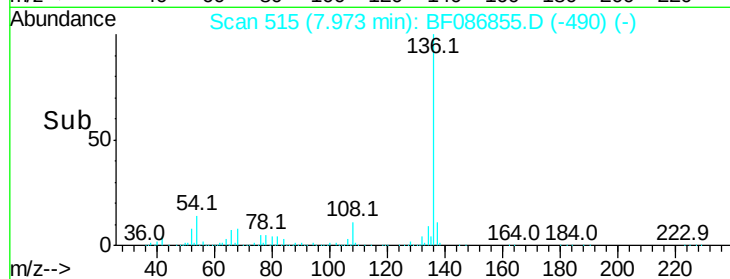
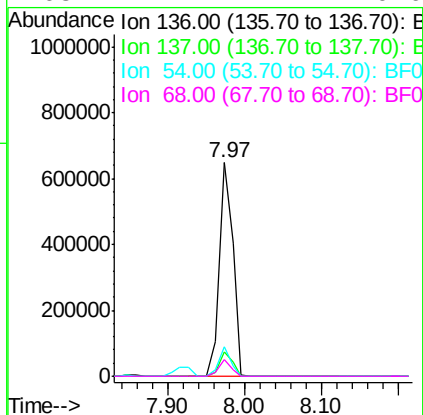
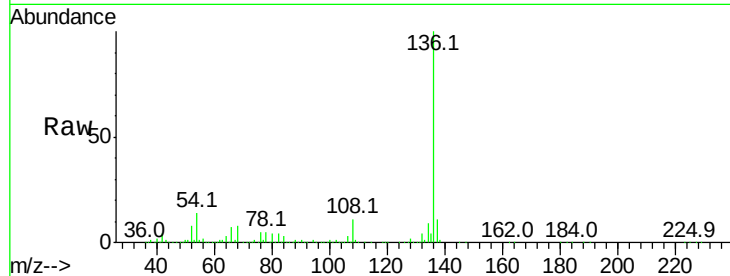
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.97 min Scan# 515
Delta R.T. -0.01 min
Lab File: BF086855.D
Acq: 10 May 2016 12:32

Instrument :
BNA_F
ClientSampled :
PT-BNA-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	8.8	13.2	
54	14.1	5.0	7.4#	
68	7.7	4.4	6.6#	

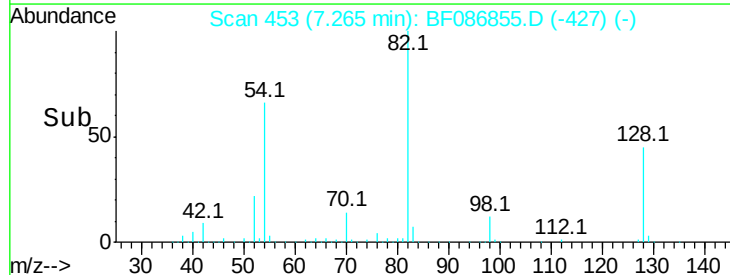
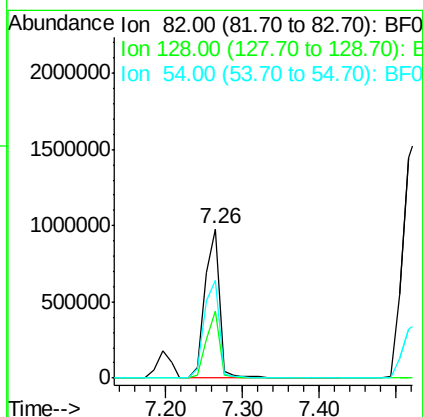
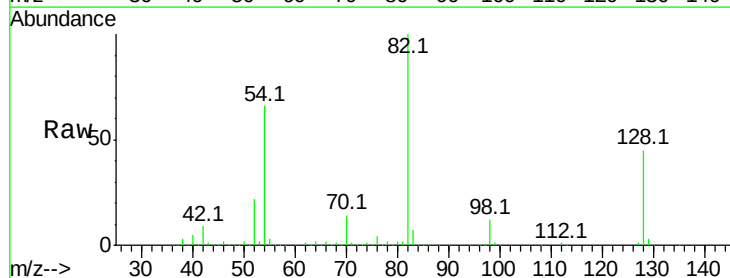
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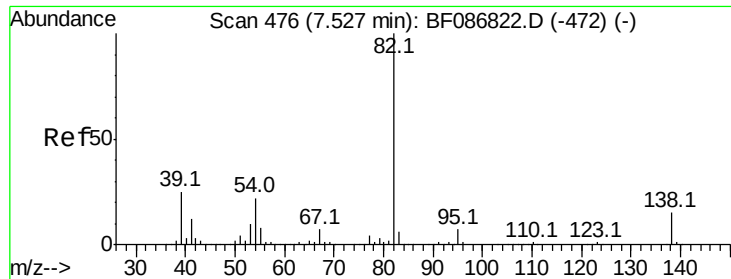
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#23
Nitrobenzene-d5
Concen: 79.44 ng
RT: 7.26 min Scan# 453
Delta R.T. 0.00 min
Lab File: BF086855.D
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Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.6	40.6	61.0	
54	65.8	38.1	57.1#	





#25

Isophorone

Concen: 159.50 ng

RT: 7.53 min Scan# 476

Delta R.T. 0.00 min

Lab File: BF086855.D

Acq: 10 May 2016 12:32

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tot Ion: 82 Resp: 4741978

Ion Ratio Lower Upper

82 100

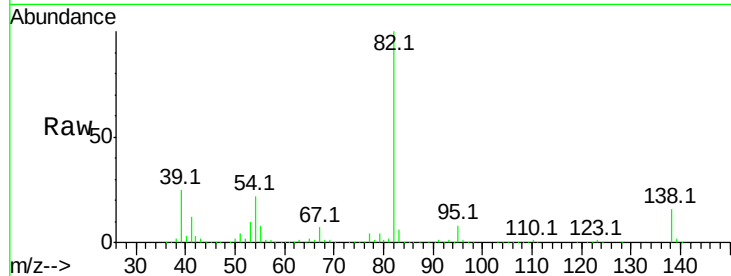
95 7.6 5.1 7.7

138 16.4 12.4 18.6

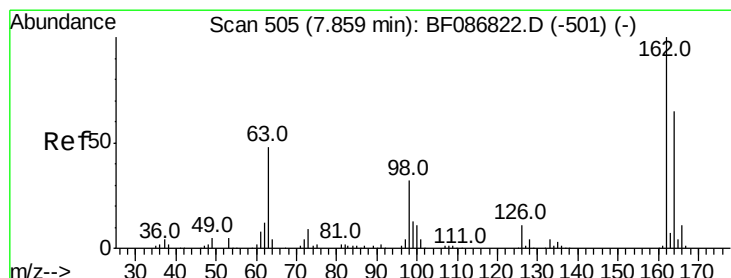
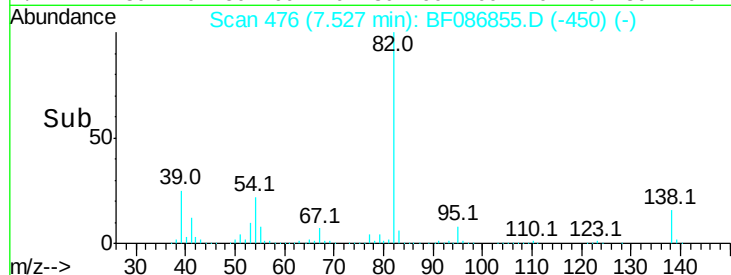
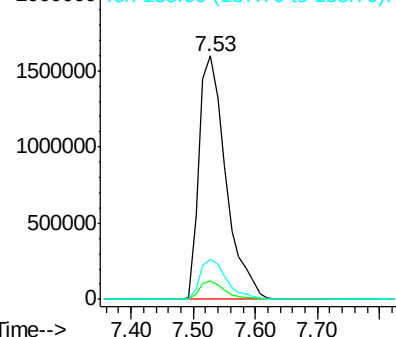
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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#29

2,4-Dichlorophenol

Concen: 70.17 ng

RT: 7.85 min Scan# 504

Delta R.T. -0.01 min

Lab File: BF086855.D

Acq: 10 May 2016 12:32

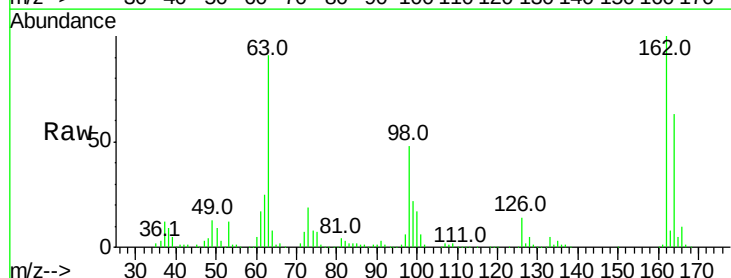
Tgt Ion:162 Resp: 762279

Ion Ratio Lower Upper

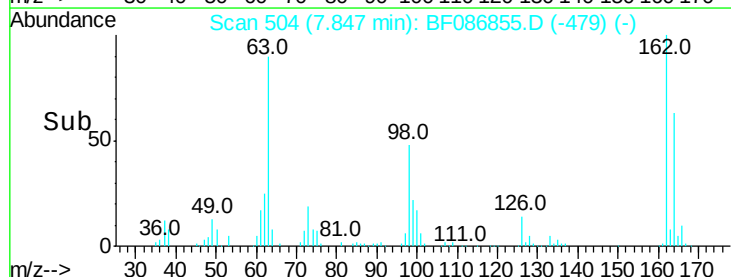
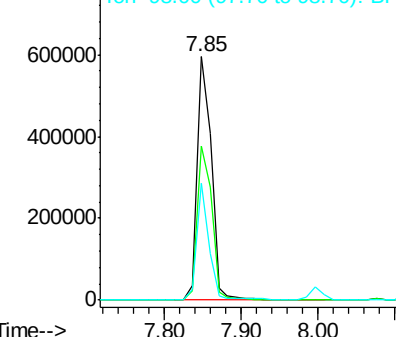
162 100

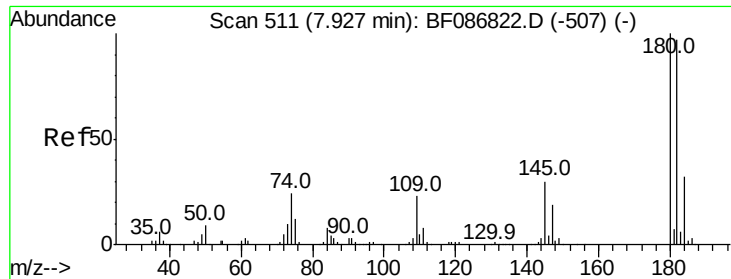
164 63.3 42.2 82.2

98 47.8 19.0 59.0



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





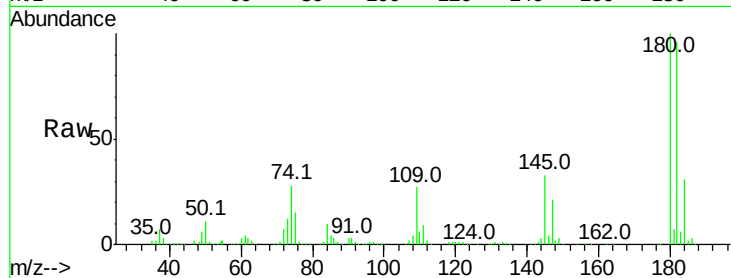
#30
1,2,4-Trichlorobenzene
Concen: 122.68 ng
RT: 7.93 min Scan# 511
Delta R.T. 0.00 min
Lab File: BF086855.D
Acq: 10 May 2016 12:32

Instrument :
BNA_F
ClientSampled :
PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	78.0	117.0
145	32.6	24.2	36.2

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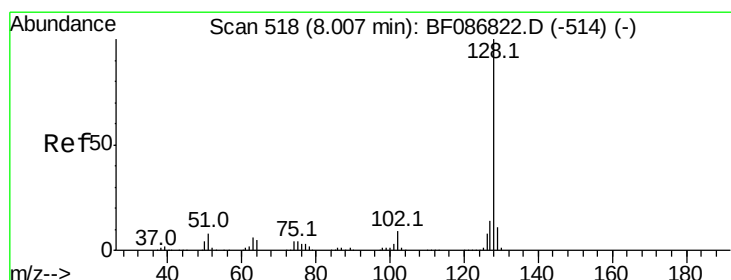
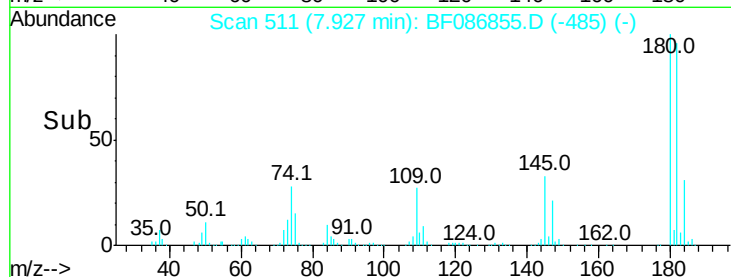
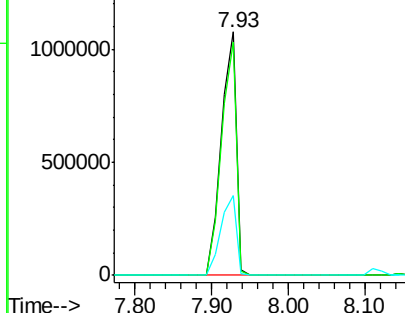


Abundance

Ion 180.00 (179.70 to 180.70): E

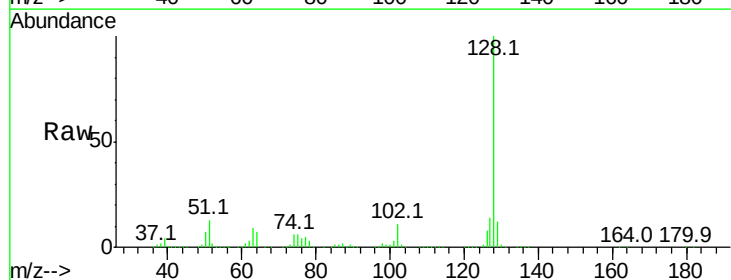
Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E



#31
Naphthalene
Concen: 58.52 ng
RT: 8.00 min Scan# 517
Delta R.T. -0.01 min
Lab File: BF086855.D
Acq: 10 May 2016 12:32

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.6	13.0
127	14.0	10.8	16.2

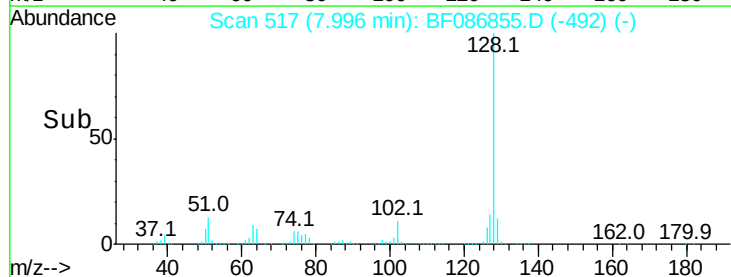
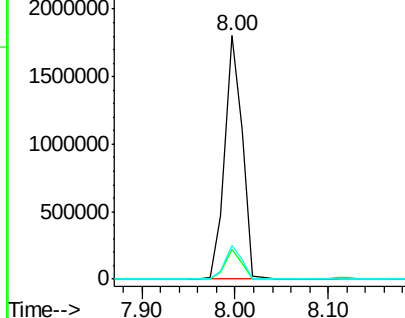


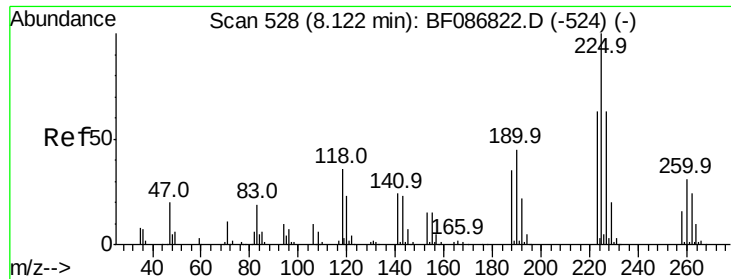
Abundance

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





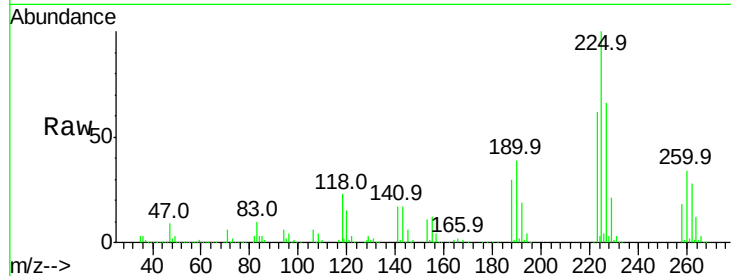
#34
Hexachlorobutadiene
Concen: 64.79 ng
RT: 8.12 min Scan# 528
Delta R.T. 0.00 min
Lab File: BF086855.D
Acq: 10 May 2016 12:32

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

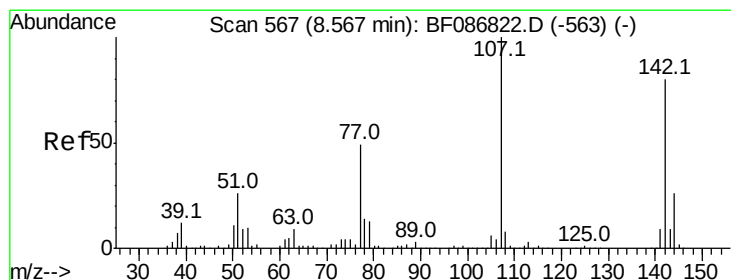
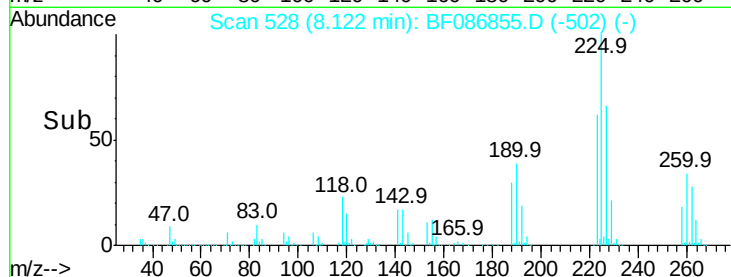
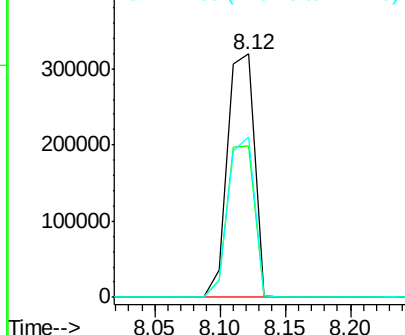
Tot Ion	Ratio	Resp	Lower	Upper
225	100	456613		
223	62.2		51.5	77.3
227	65.9		52.2	78.2

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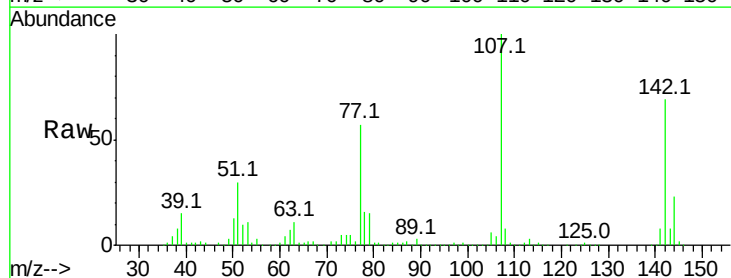


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

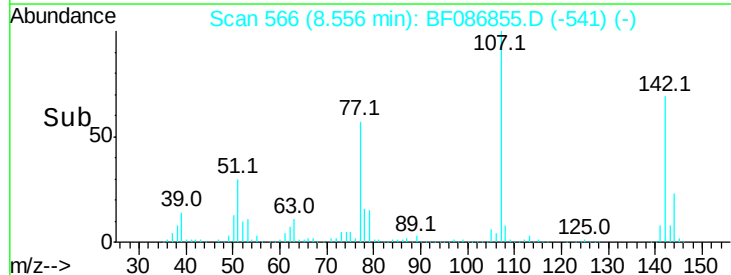
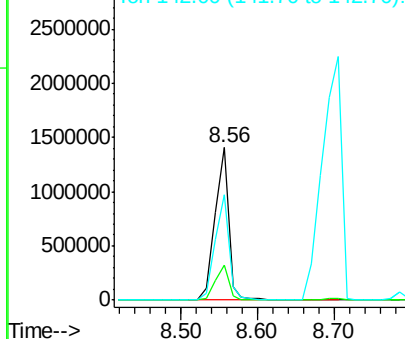


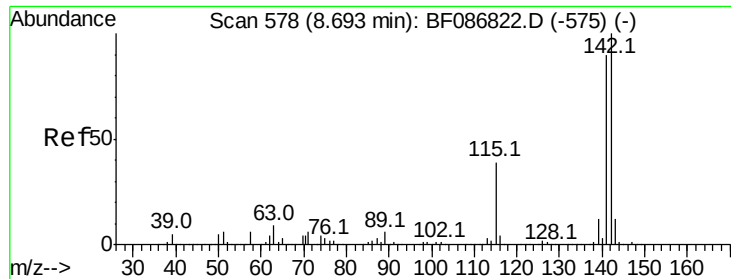
#36
4-Chloro-3-methylphenol
Concen: 131.95 ng
RT: 8.56 min Scan# 566
Delta R.T. -0.01 min
Lab File: BF086855.D
Acq: 10 May 2016 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	1738441		
144	22.8		20.7	31.1
142	69.4		63.2	94.8



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





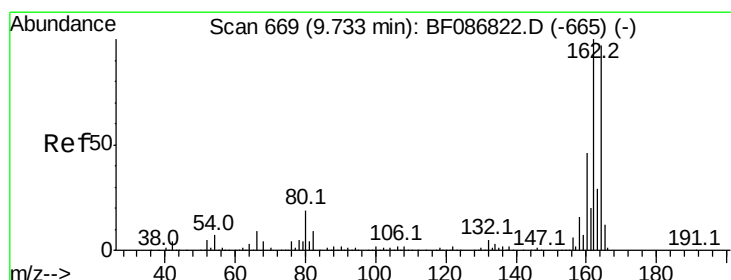
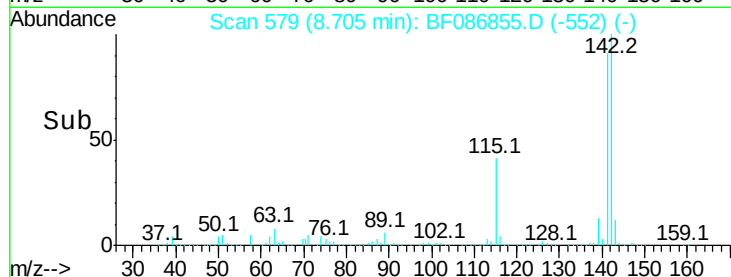
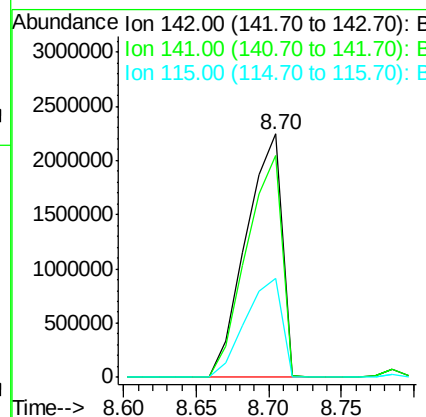
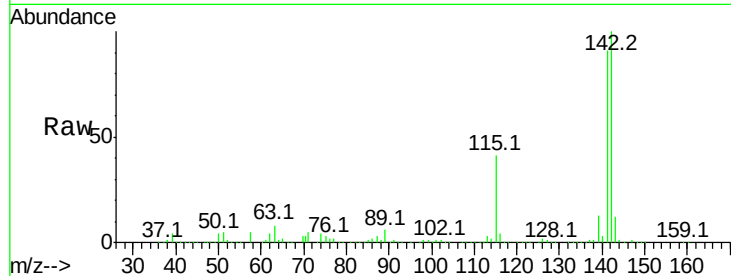
#37
2-Methylnaphthalene
Concen: 164.08 ng
RT: 8.70 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF086855.D
Acq: 10 May 2016 12:32

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.1	71.0	106.6
115	40.8	26.6	39.8

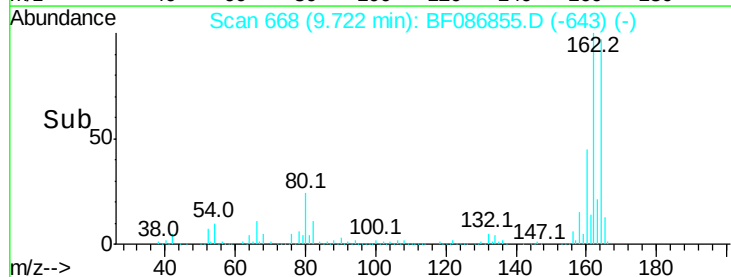
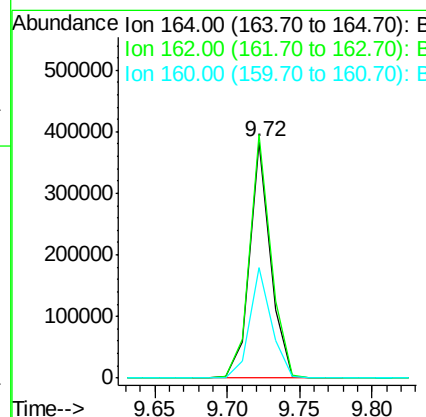
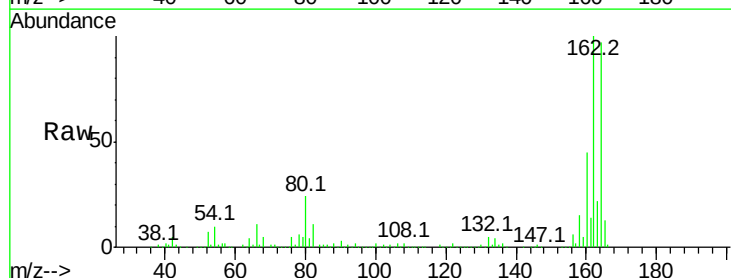
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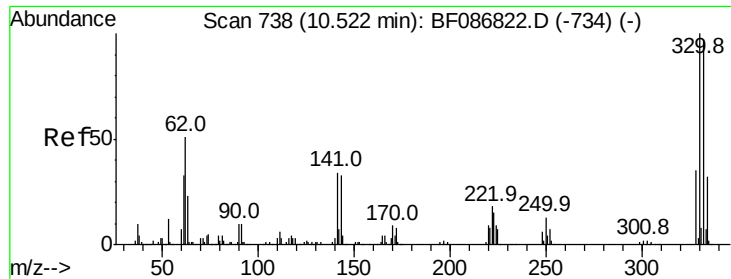
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF086855.D
Acq: 10 May 2016 12:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.8	124.2
160	46.7	36.9	55.3





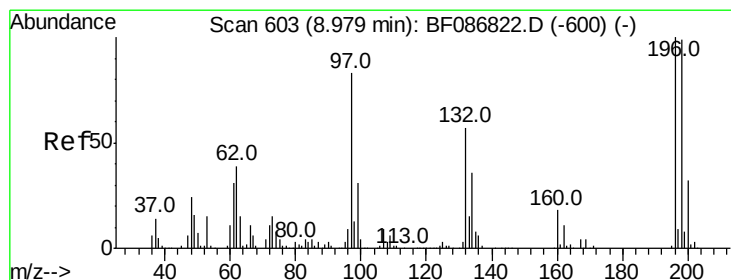
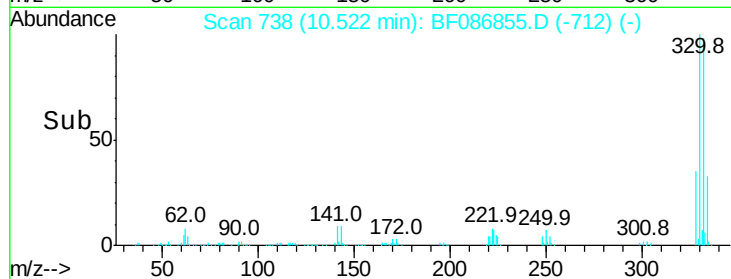
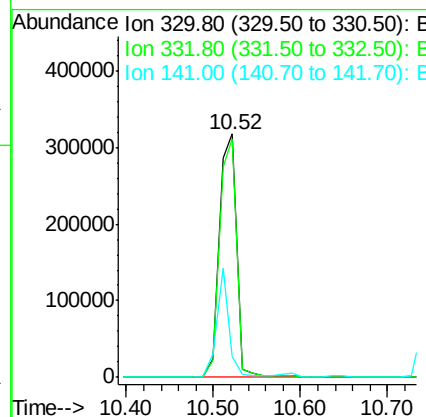
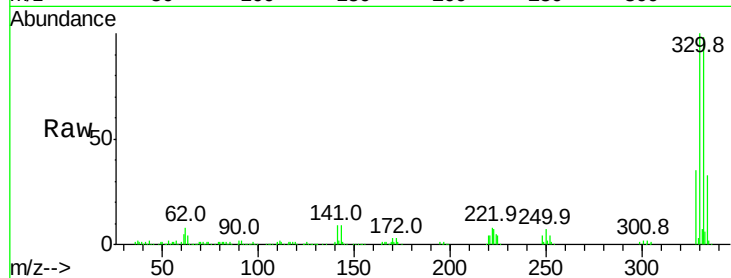
#41
 2,4,6-Tribromophenol
 Concen: 110.39 ng
 RT: 10.52 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: BF086855.D
 Acq: 10 May 2016 12:32

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.1	79.0	118.4	
141	31.6	31.2	46.8	

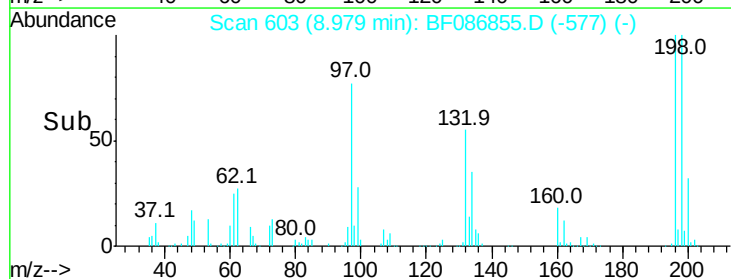
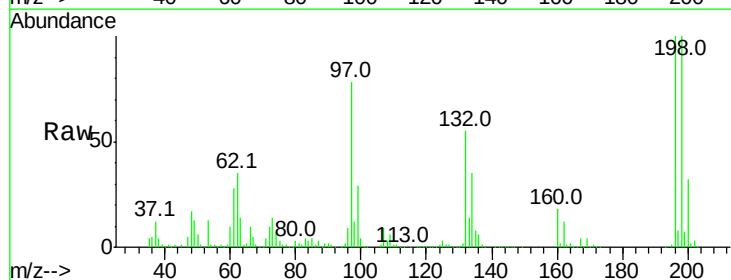
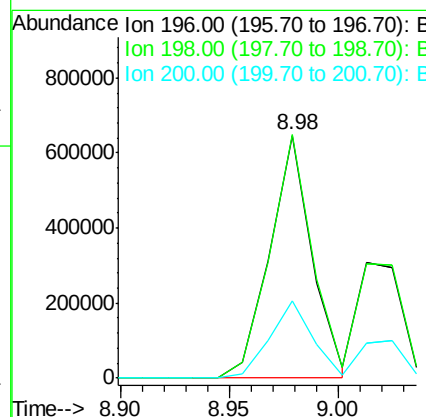
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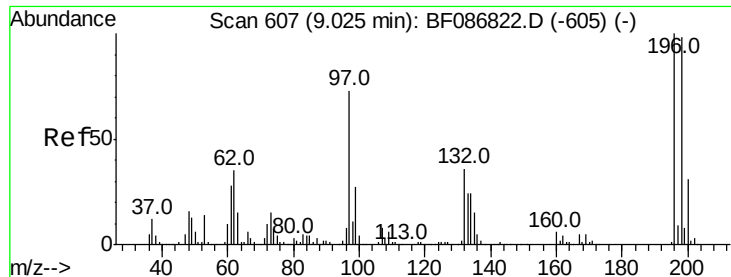
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#42
 2,4,6-Trichlorophenol
 Concen: 117.59 ng
 RT: 8.98 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: BF086855.D
 Acq: 10 May 2016 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	100.5	74.7	112.1	
200	31.7	23.8	35.6	





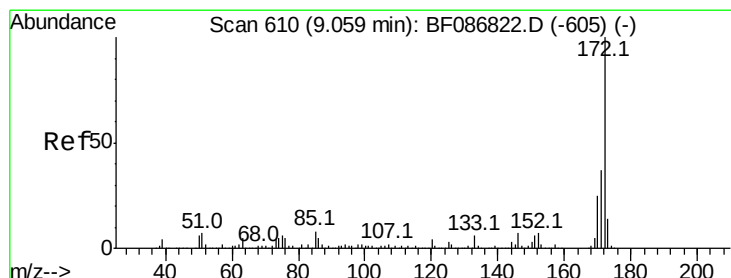
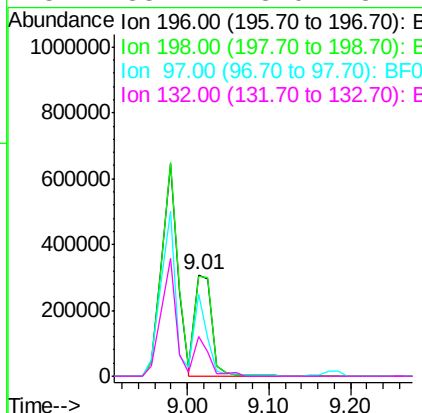
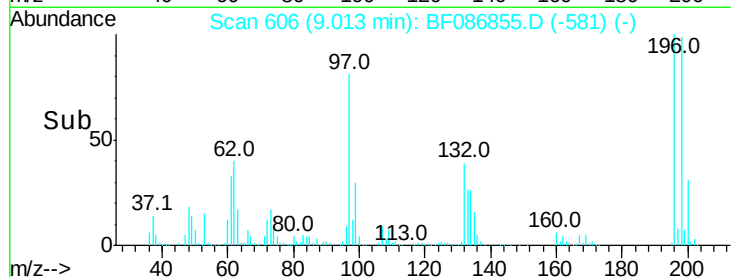
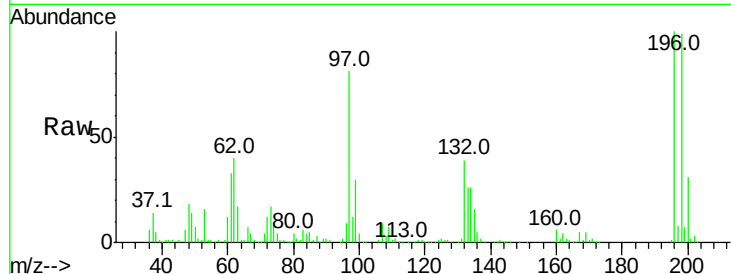
#43
 2,4,5-Trichlorophenol
 Concen: 58.46 ng
 RT: 9.01 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: BF086855.D
 Acq: 10 May 2016 12:32

Instrument :
 BNA_F
 ClientSampled :
 PT-BNA-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
196	100	453188		
198	99.1	77.5	116.3	
97	80.9	34.8	52.2	
132	38.7	23.0	34.4	

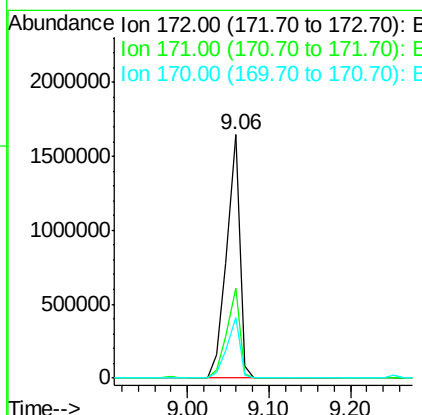
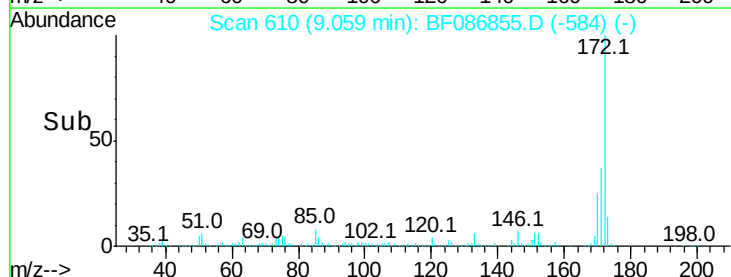
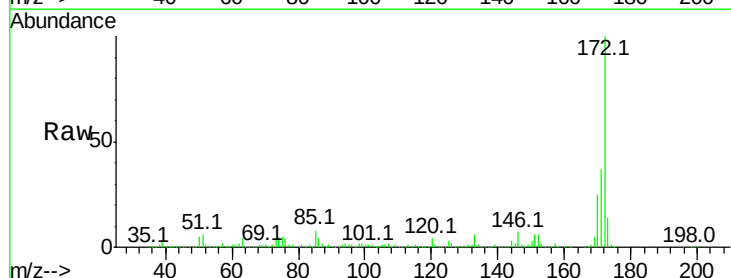
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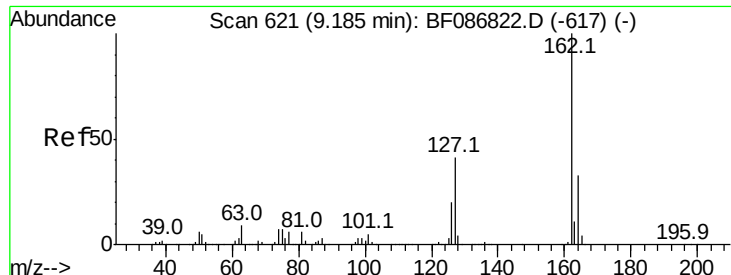
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#44
 2-Fluorobiphenyl
 Concen: 79.93 ng
 RT: 9.06 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: BF086855.D
 Acq: 10 May 2016 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1833631		
171	37.0	29.0	43.6	
170	24.9	19.8	29.8	





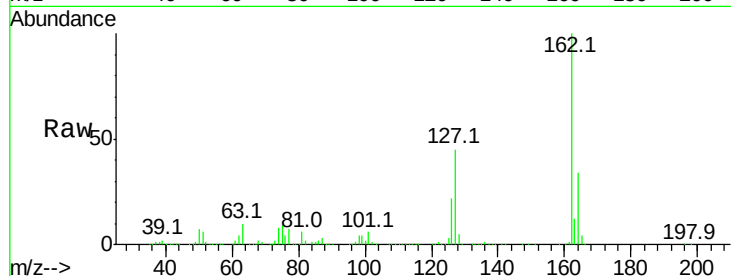
#46
2-Chloronaphthalene
Concen: 94.05 ng
RT: 9.18 min Scan# 621
Delta R.T. 0.00 min
Lab File: BF086855.D
Acq: 10 May 2016 12:32

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

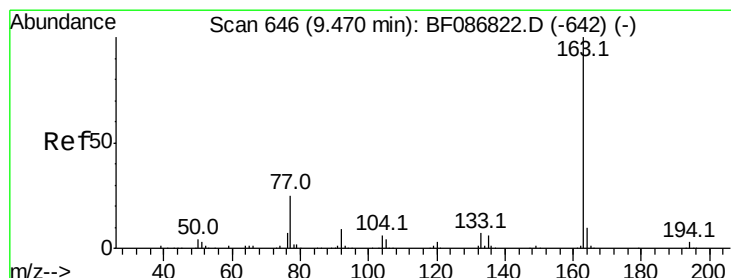
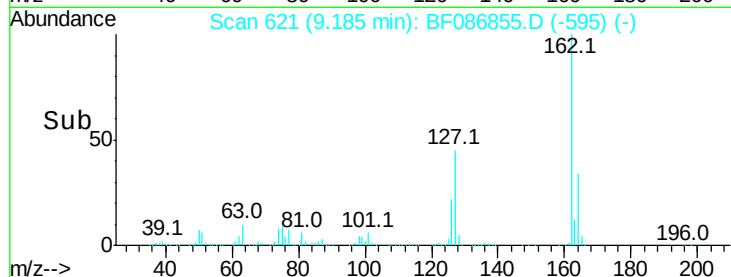
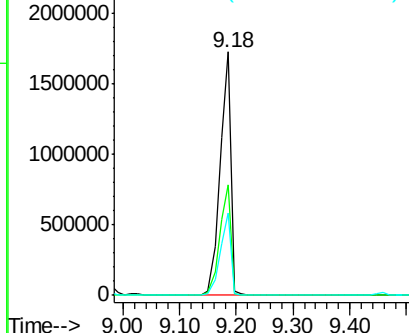
Tot Ion:162 Resp: 2259782
Ion Ratio Lower Upper
162 100
127 45.2 31.8 47.6
164 34.0 27.0 40.6

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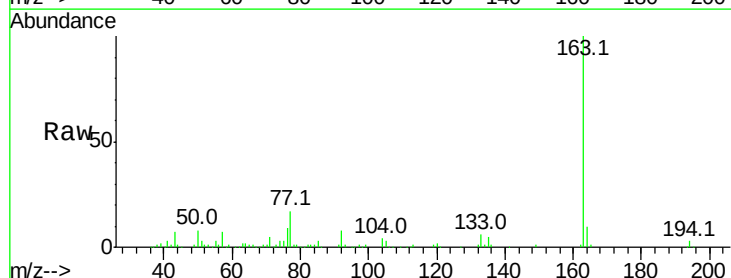


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

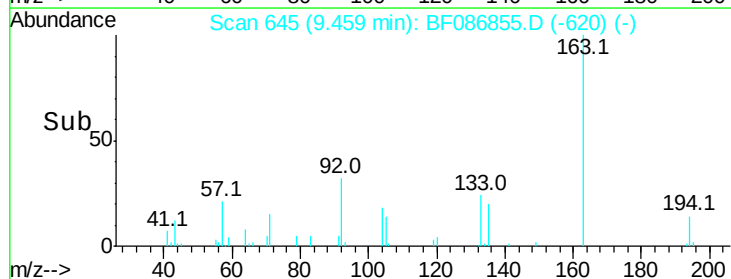
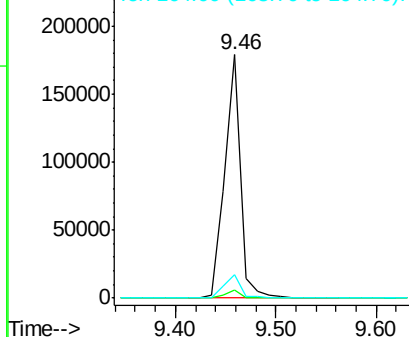


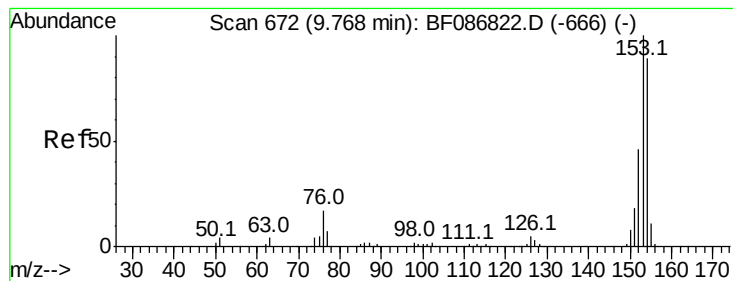
#49
Dimethylphthalate
Concen: 6.65 ng
RT: 9.46 min Scan# 645
Delta R.T. -0.01 min
Lab File: BF086855.D
Acq: 10 May 2016 12:32

Tgt Ion:163 Resp: 195575
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 9.5 8.2 12.4



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





#51

Acenaphthene

Concen: 85.94 ng

RT: 9.77 min Scan# 672

Delta R.T. 0.00 min

Lab File: BF086855.D

Acq: 10 May 2016 12:32

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tot Ion:154 Resp: 1889243

Ion Ratio Lower Upper

154 100

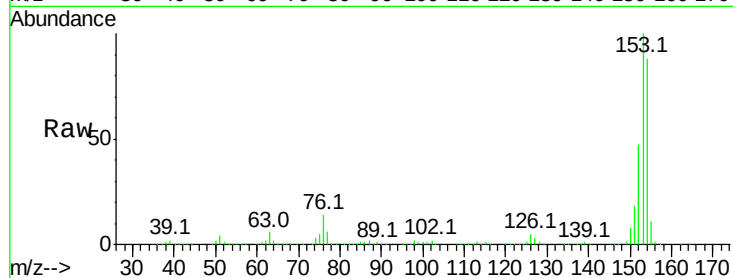
153 113.8 89.8 134.6

152 53.3 43.4 65.0

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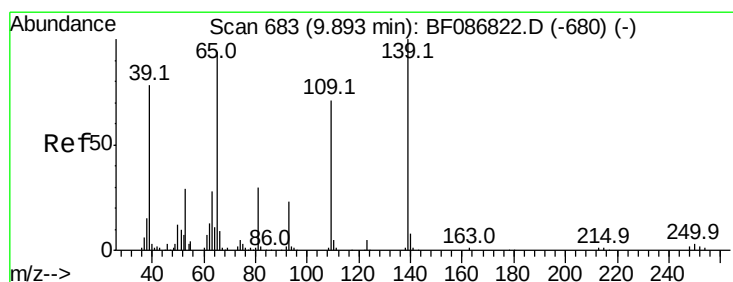
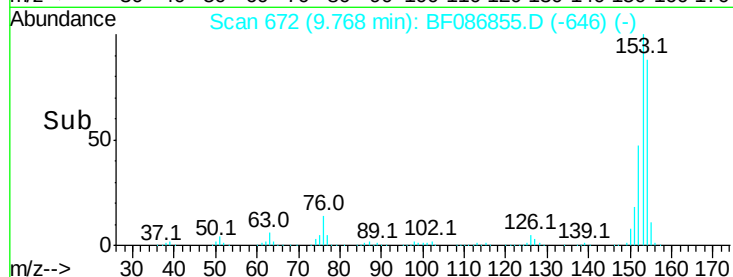
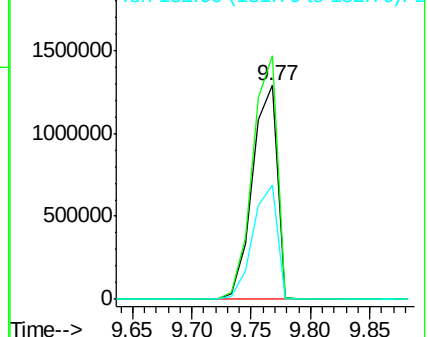
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

4-Nitrophenol

Concen: 179.45 ng

RT: 9.89 min Scan# 683

Delta R.T. 0.00 min

Lab File: BF086855.D

Acq: 10 May 2016 12:32

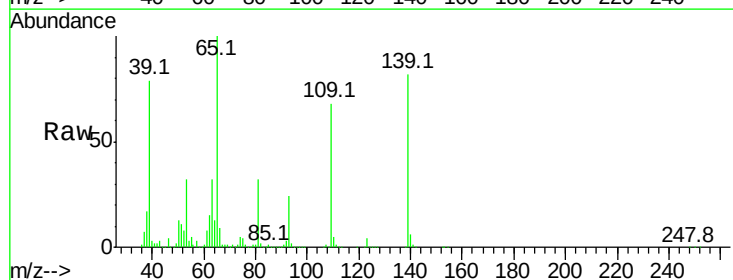
Tgt Ion:139 Resp: 805899

Ion Ratio Lower Upper

139 100

109 82.9 36.9 76.9#

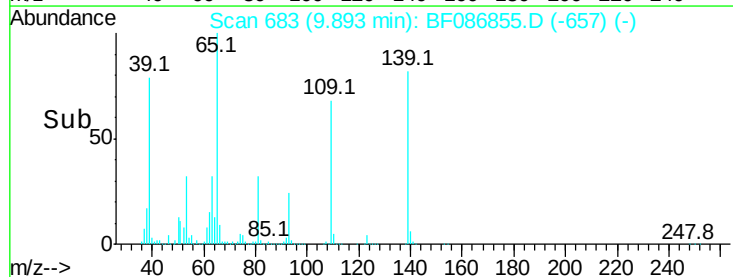
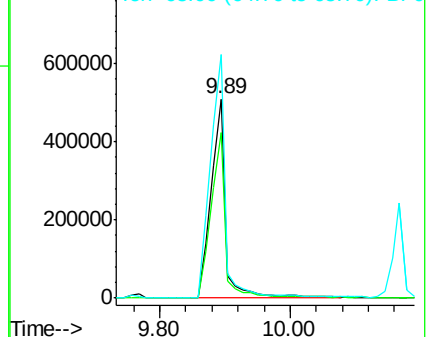
65 122.2 64.0 104.0#

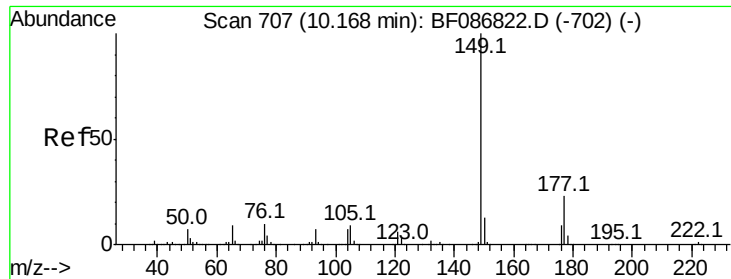


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





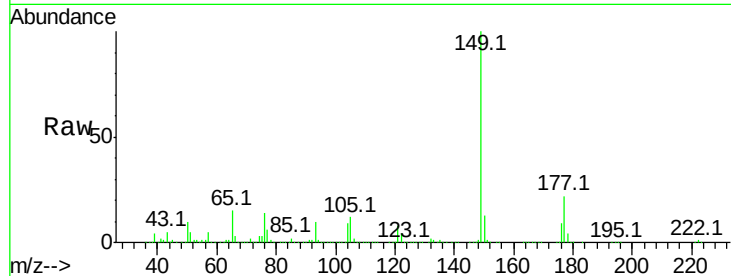
#59
Diethylphthalate
Concen: 71.04 ng
RT: 10.17 min Scan# 707
Delta R.T. 0.00 min
Lab File: BF086855.D
Acq: 10 May 2016 12:32

Instrument :
BNA_F
ClientSampled :
PT-BNA-SOIL

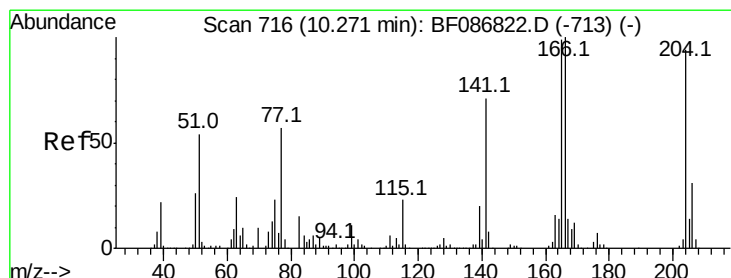
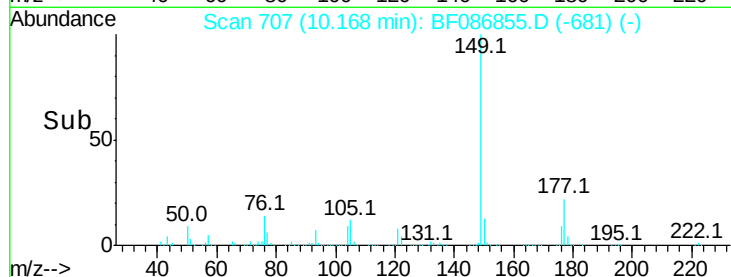
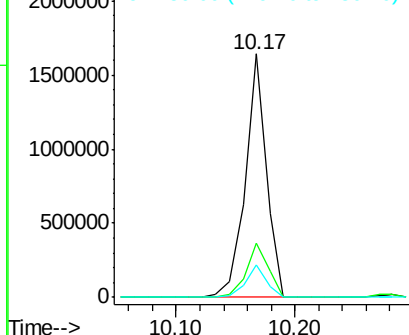
Tot Ion:149 Resp: 2036233
Ion Ratio Lower Upper
149 100
177 22.1 16.6 24.8
150 13.3 10.0 15.0

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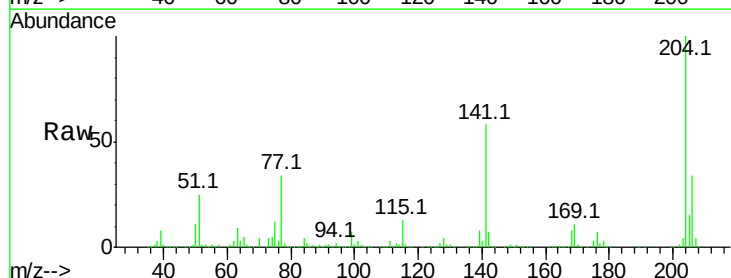


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

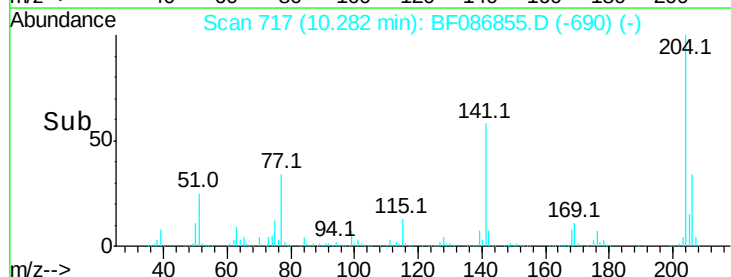
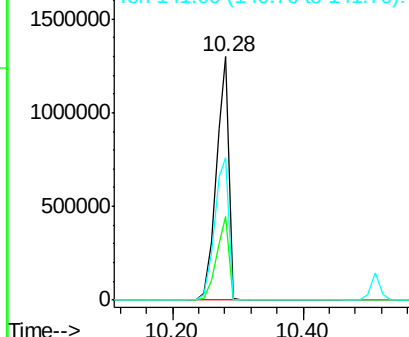


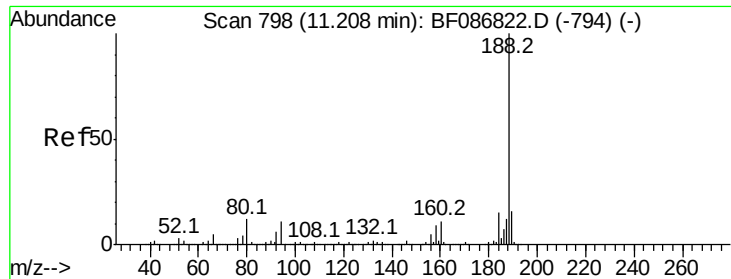
#60
4-Chlorophenyl-phenylether
Concen: Below Cal
RT: 10.28 min Scan# 717
Delta R.T. 0.01 min
Lab File: BF086855.D
Acq: 10 May 2016 12:32

Tgt Ion:204 Resp: 1771063
Ion Ratio Lower Upper
204 100
206 34.1 25.4 38.0
141 58.3 61.6 92.4#



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.21 min Scan# 798

Delta R.T. 0.00 min

Lab File: BF086855.D

Acq: 10 May 2016 12:32

Instrument :

BNA_F

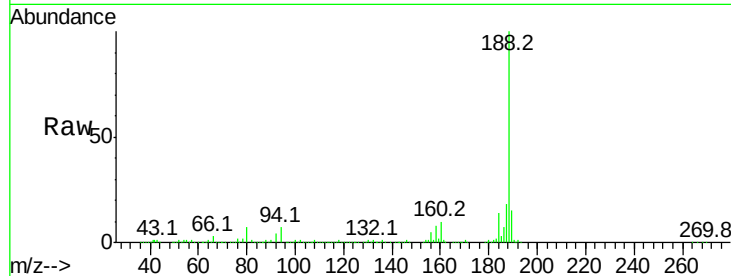
ClientSampled :

PT-BNA-SOIL

Tot Ion:	188	Resp:	713826
Ion Ratio	Lower	Upper	
188	100		
94	6.8	6.8	10.2
80	6.9	7.1	10.7#

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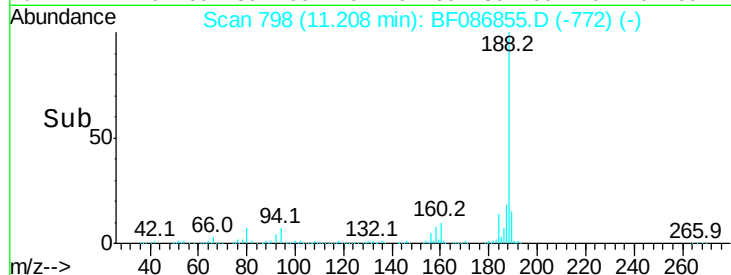


Abundance Ion 188.00 (187.70 to 188.70): E

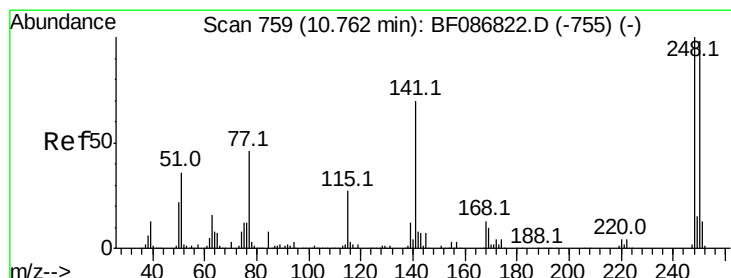
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

Time-->



Time-->



#66

4-Bromophenyl-phenylether

Concen: 85.75 ng

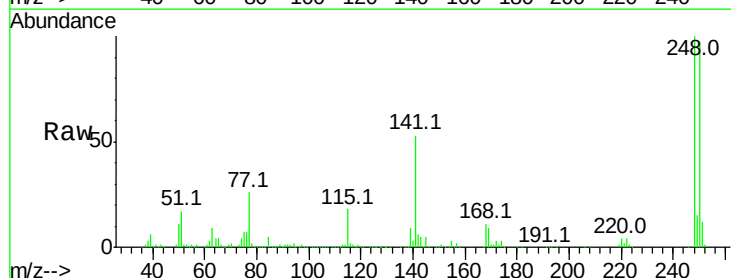
RT: 10.76 min Scan# 759

Delta R.T. 0.00 min

Lab File: BF086855.D

Acq: 10 May 2016 12:32

Tgt Ion:	248	Resp:	620631
Ion Ratio	Lower	Upper	
248	100		
250	97.0	78.6	117.8
141	52.5	76.0	114.0#

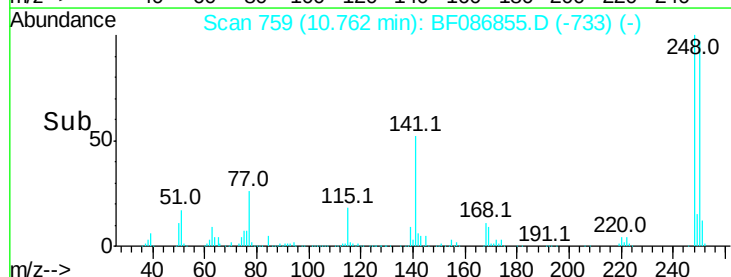


Abundance Ion 248.00 (247.70 to 248.70): E

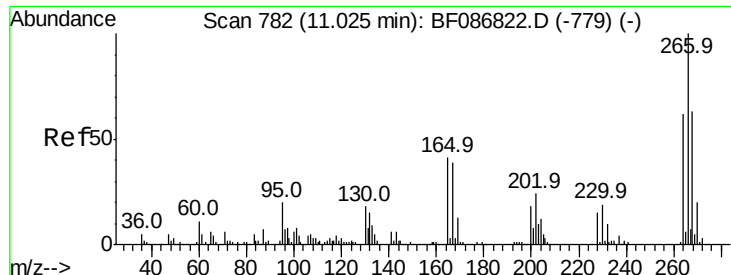
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->



Time-->



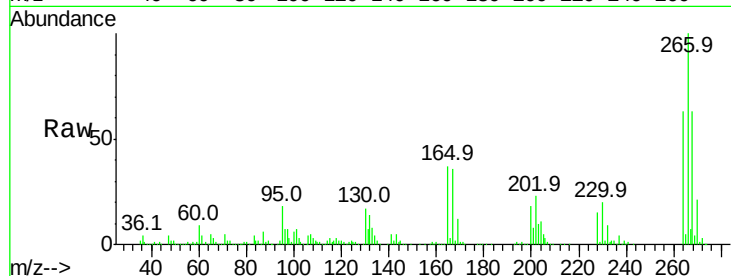
#69
 Pentachlorophenol
 Concen: 157.32 ng
 RT: 11.02 min Scan# 782
 Delta R.T. 0.00 min
 Lab File: BF086855.D
 Acq: 10 May 2016 12:32

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

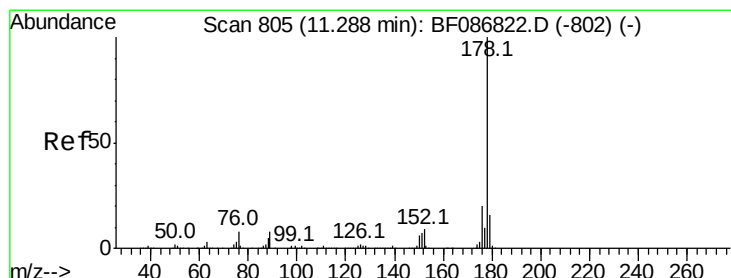
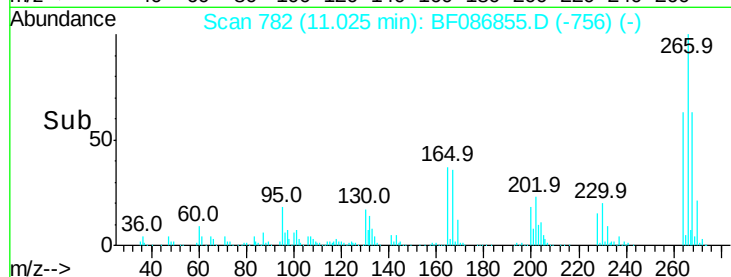
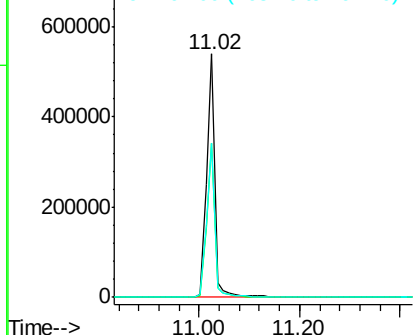
Tot Ion	Ratio	Resp	Lower	Upper
266	100	614946		
268	63.4	51.5	77.3	
264	63.1	52.9	79.3	

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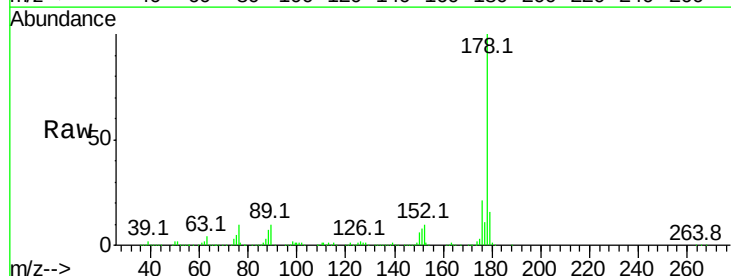


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

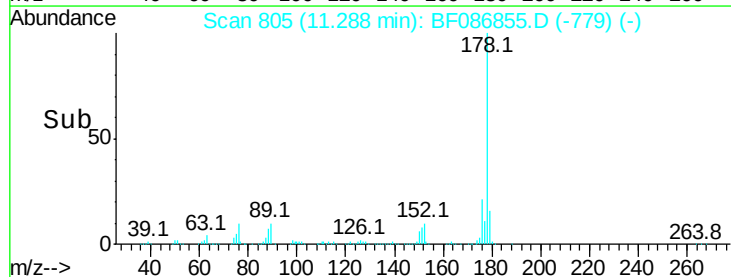
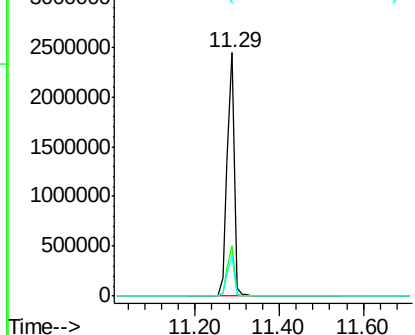


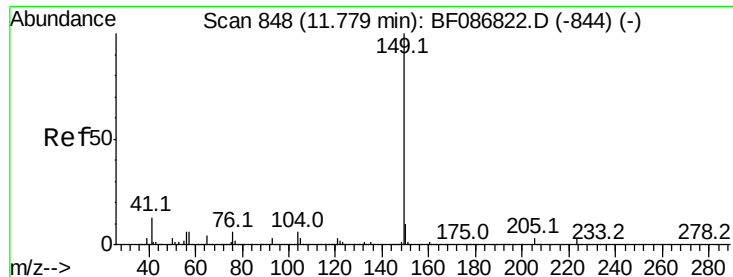
#71
 Anthracene
 Concen: 72.92 ng
 RT: 11.29 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: BF086855.D
 Acq: 10 May 2016 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2840940		
176	20.5	15.6	23.4	
179	16.5	12.7	19.1	



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





#73

Di-n-butylphthalate

Concen: 121.99 ng

RT: 11.79 min Scan# 849

Delta R.T. 0.01 min

Lab File: BF086855.D

Acq: 10 May 2016 12:32

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tot Ion:149 Resp: 4989293

Ion Ratio Lower Upper

149 100

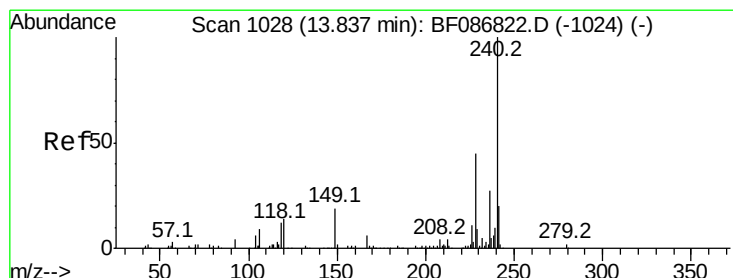
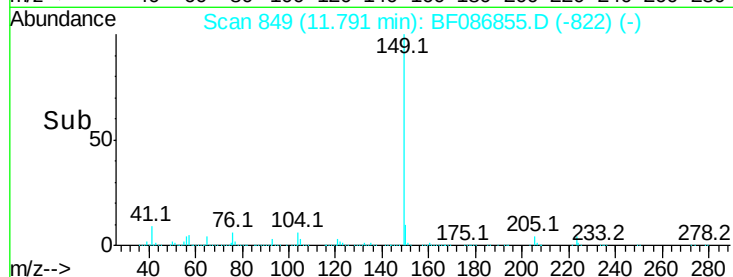
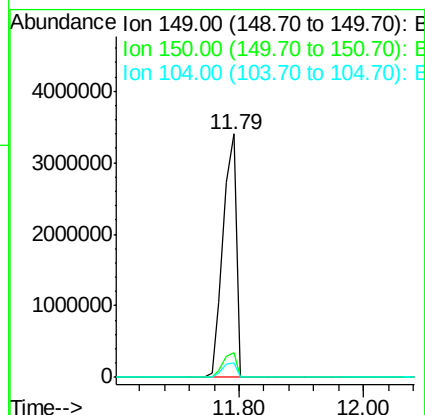
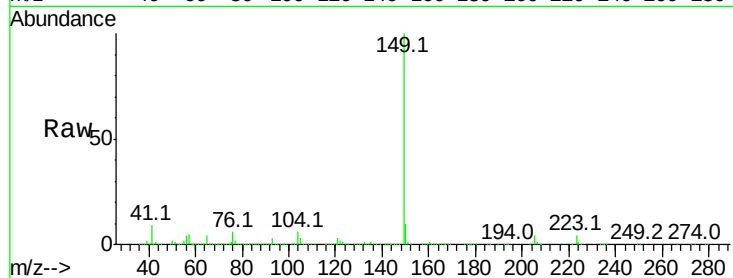
150 10.2 7.6 11.4

104 5.9 3.8 5.6#

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#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF086855.D

Acq: 10 May 2016 12:32

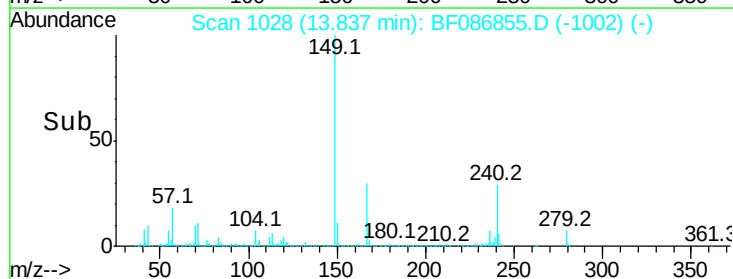
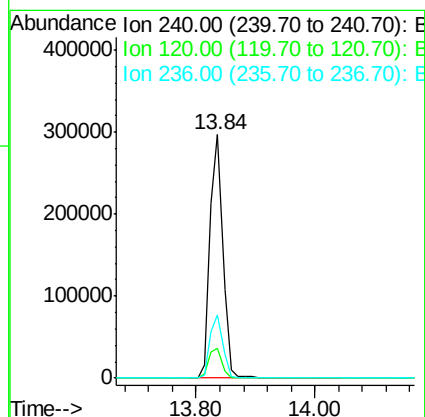
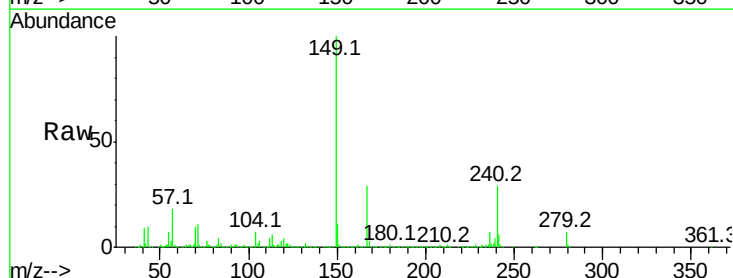
Tgt Ion:240 Resp: 449930

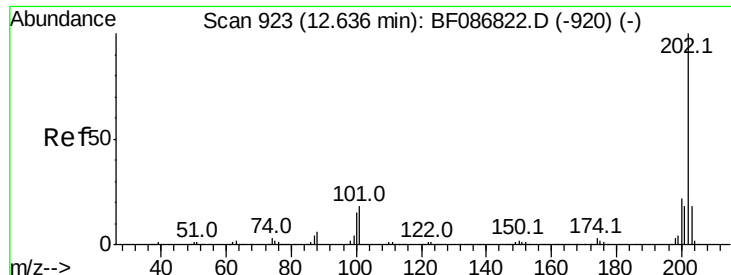
Ion Ratio Lower Upper

240 100

120 12.2 11.2 16.8

236 25.8 21.2 31.8





#77

Pvrene

Concen: 111.66 ng

RT: 12.65 min Scan# 924

Delta R.T. 0.01 min

Lab File: BF086855.D

Acq: 10 May 2016 12:32

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tot Ion:202 Resp: 3846222

Ion Ratio Lower Upper

202 100

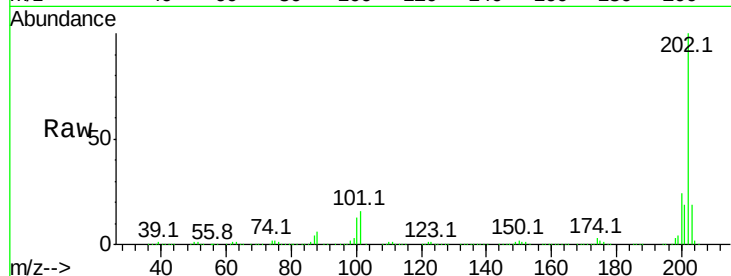
200 23.5 17.7 26.5

203 19.0 14.2 21.4

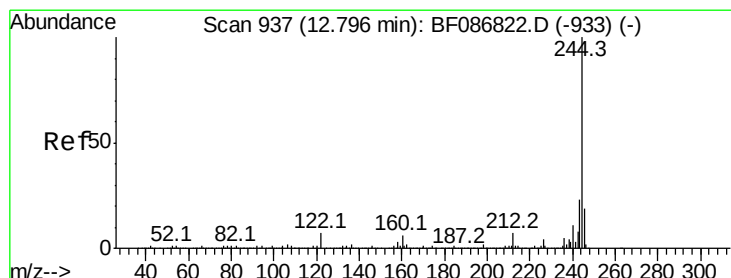
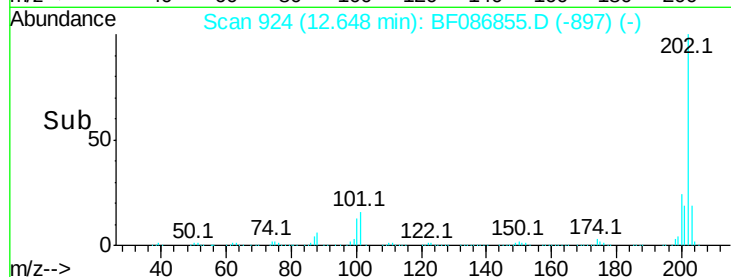
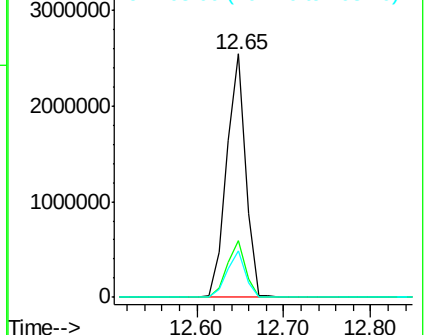
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 73.72 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF086855.D

Acq: 10 May 2016 12:32

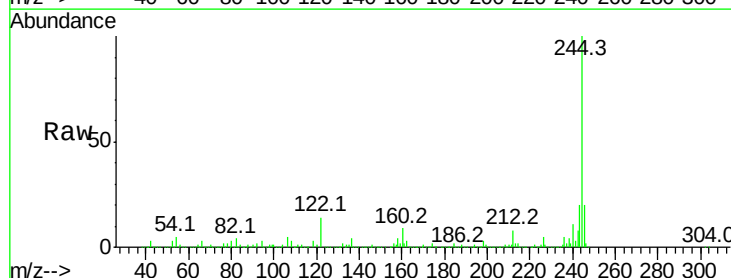
Tgt Ion:244 Resp: 1563214

Ion Ratio Lower Upper

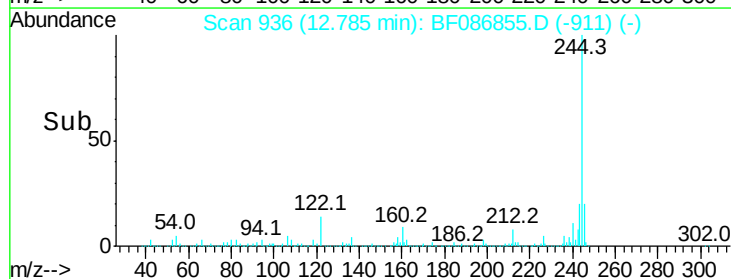
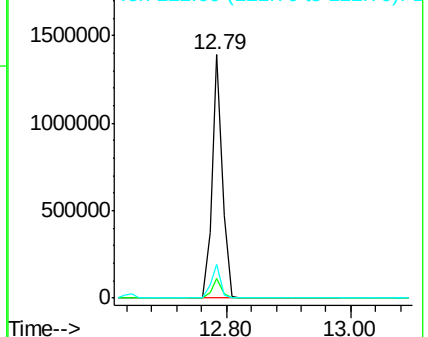
244 100

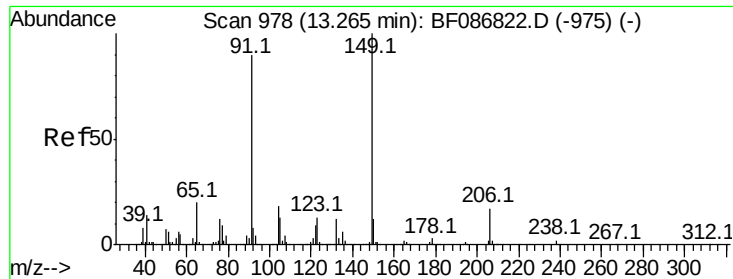
212 7.9 6.2 9.2

122 13.7 12.0 18.0



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





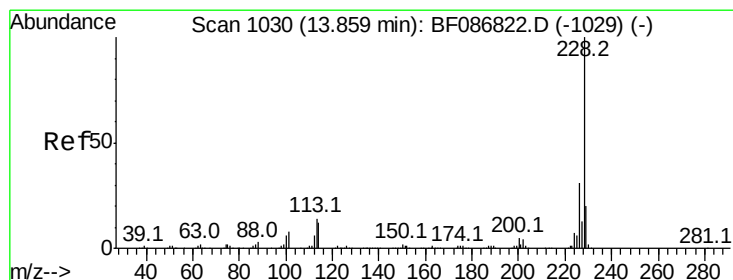
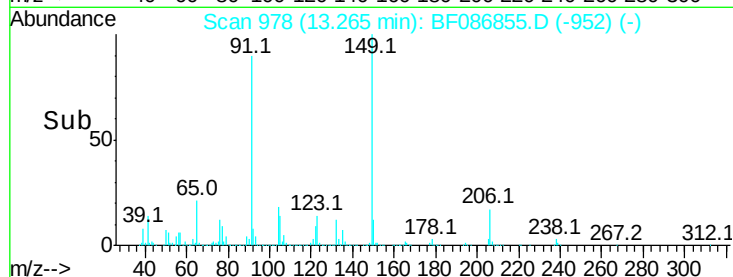
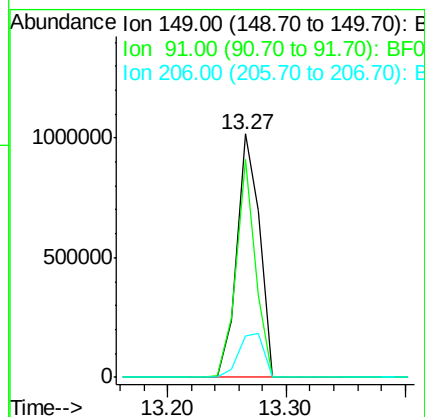
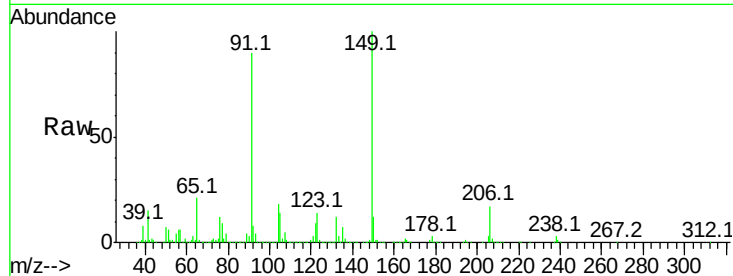
#79
Butylbenzylphthalate
Concen: 92.39 ng
RT: 13.27 min Scan# 978
Delta R.T. 0.00 min
Lab File: BF086855.D
Acq: 10 May 2016 12:32

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
149	100		
91	89.8	48.0	72.0#
206	17.0	15.8	23.6

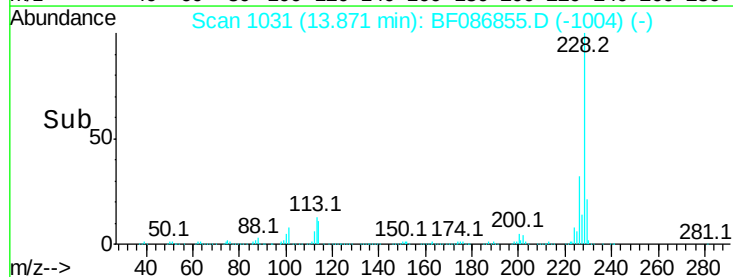
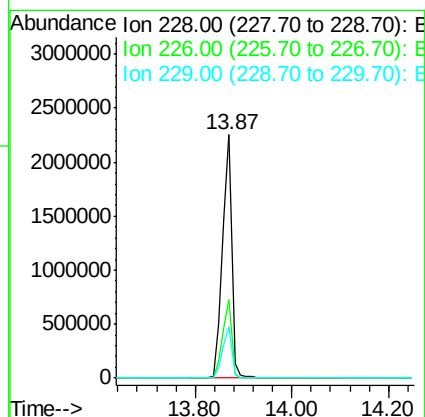
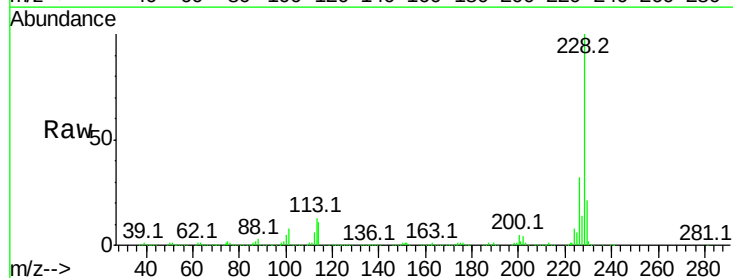
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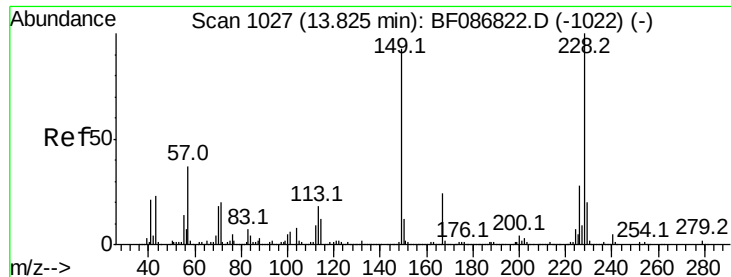
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#82
Chrysene
Concen: 119.27 ng
RT: 13.87 min Scan# 1031
Delta R.T. 0.01 min
Lab File: BF086855.D
Acq: 10 May 2016 12:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	24.4	36.6
229	21.3	15.8	23.8





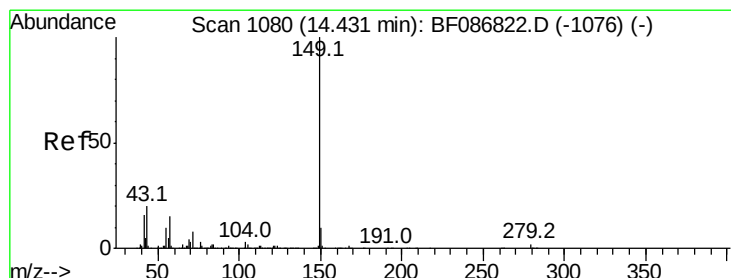
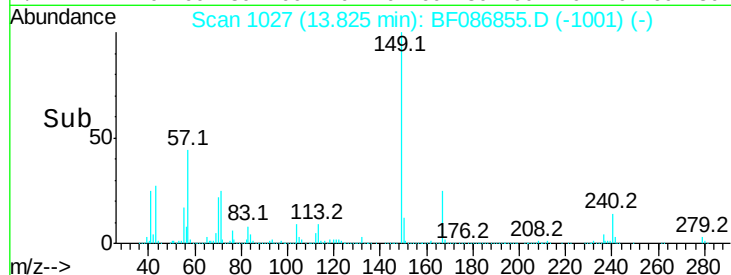
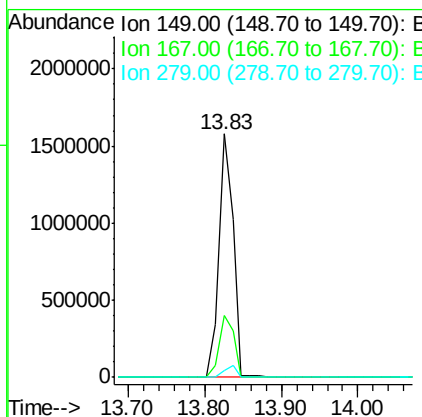
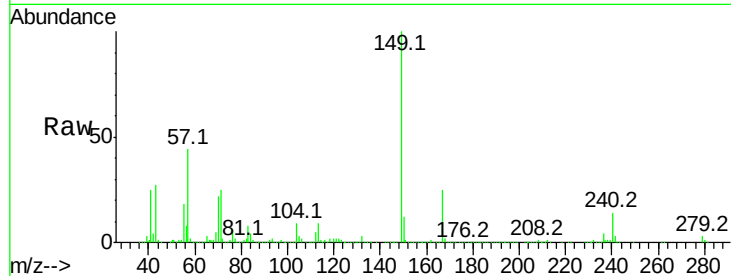
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 116.57 ng
 RT: 13.83 min Scan# 1027
 Delta R.T. 0.00 min
 Lab File: BF086855.D
 Acq: 10 May 2016 12:32

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion:149 Resp: 2042921
 Ion Ratio Lower Upper
 149 100
 167 25.4 21.8 32.6
 279 2.9 2.6 4.0

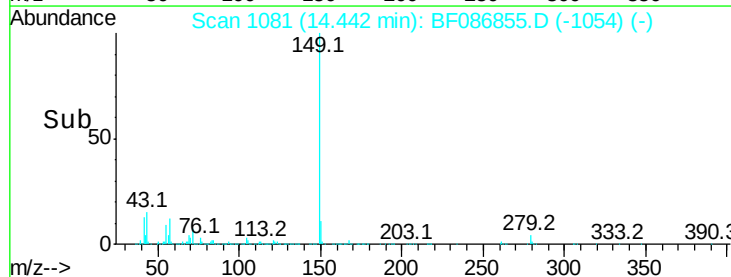
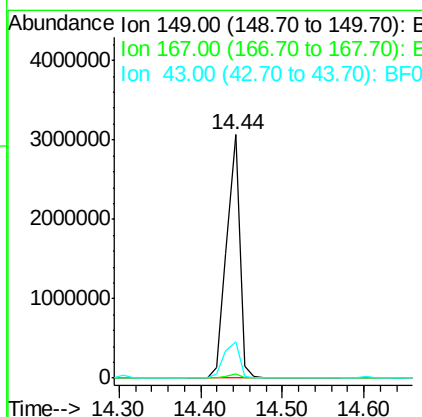
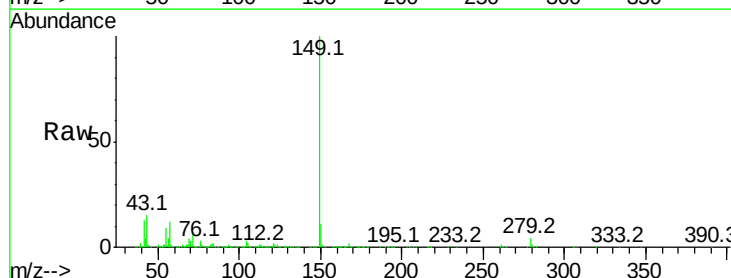
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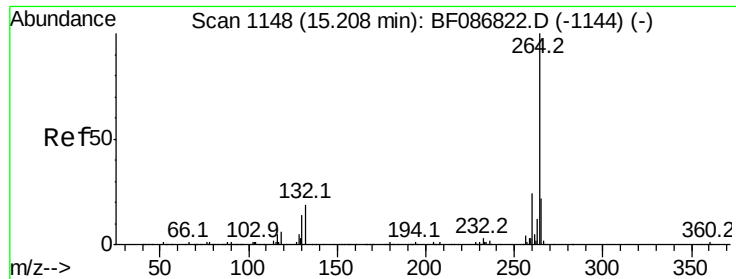
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#84
 Di-n-octyl phthalate
 Concen: 117.12 ng
 RT: 14.44 min Scan# 1081
 Delta R.T. 0.01 min
 Lab File: BF086855.D
 Acq: 10 May 2016 12:32

Tgt Ion:149 Resp: 3400308
 Ion Ratio Lower Upper
 149 100
 167 1.7 1.2 1.8
 43 17.6 8.2 12.4#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.21 min Scan# 1148

Delta R.T. 0.00 min

Lab File: BF086855.D

Acq: 10 May 2016 12:32

Instrument :

BNA_F

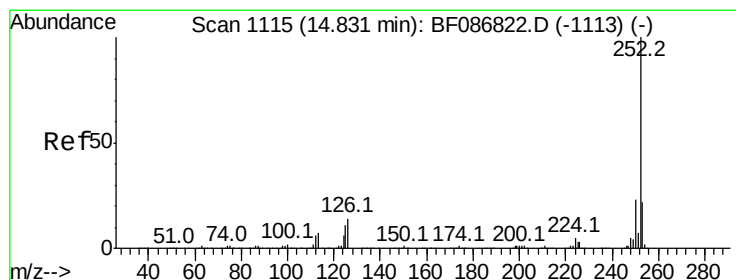
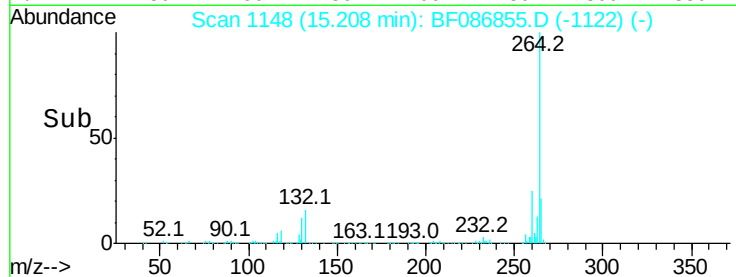
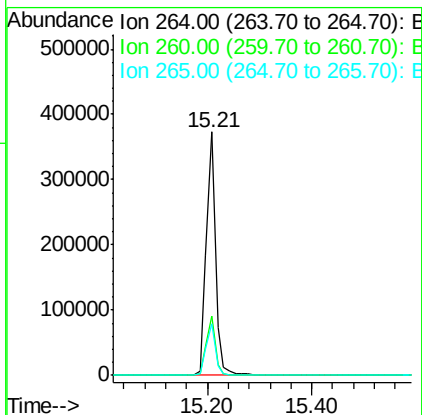
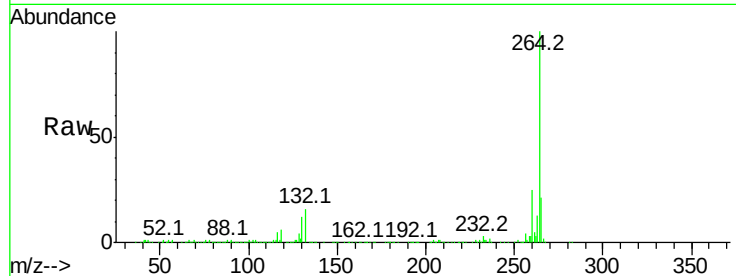
ClientSampled :

PT-BNA-SOIL

Tot Ion:	264	Resp:	459166
Ion Ratio		Lower	Upper
264	100		
260	24.5	19.5	29.3
265	21.3	17.3	25.9

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#87

Benzo(b)fluoranthene

Concen: 52.38 ng m

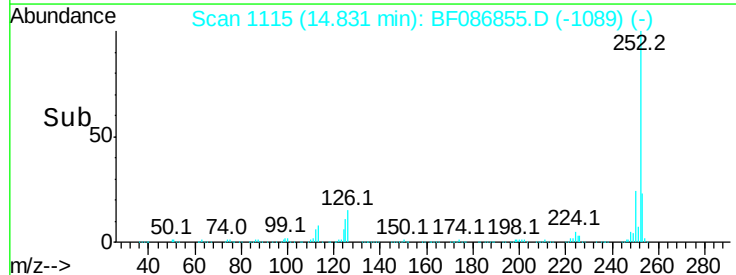
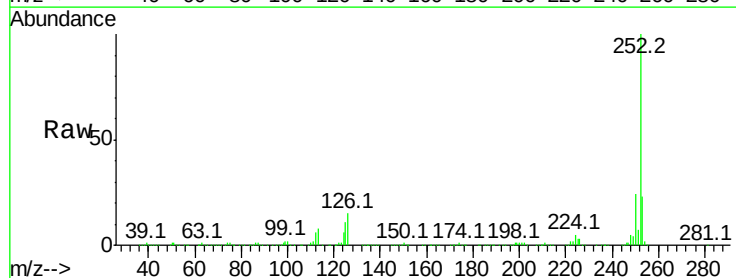
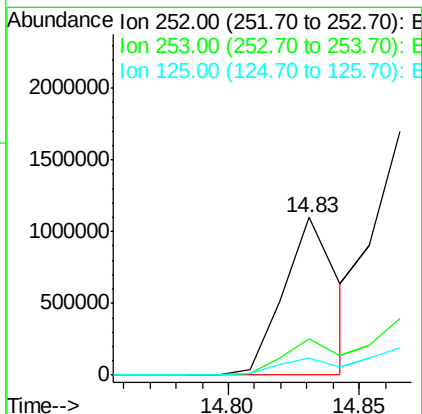
RT: 14.83 min Scan# 1115

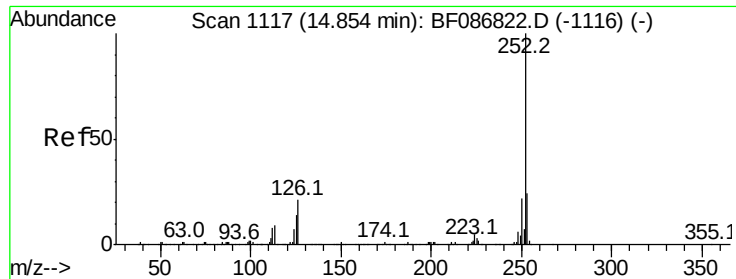
Delta R.T. 0.00 min

Lab File: BF086855.D

Acq: 10 May 2016 12:32

Tgt Ion:	252	Resp:	1563163
Ion Ratio		Lower	Upper
252	100		
253	22.7	17.8	26.6
125	11.2	11.4	17.0#





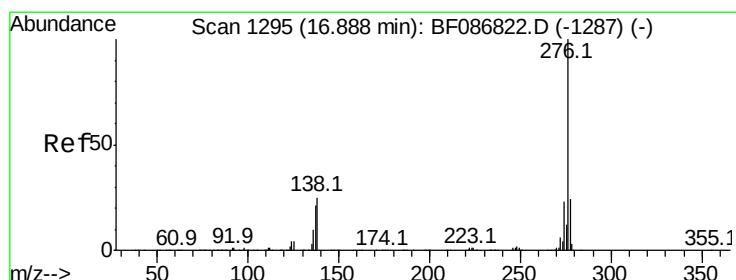
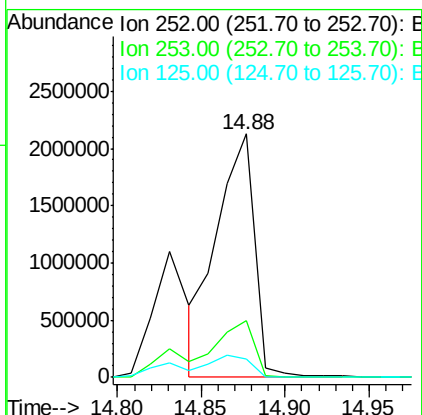
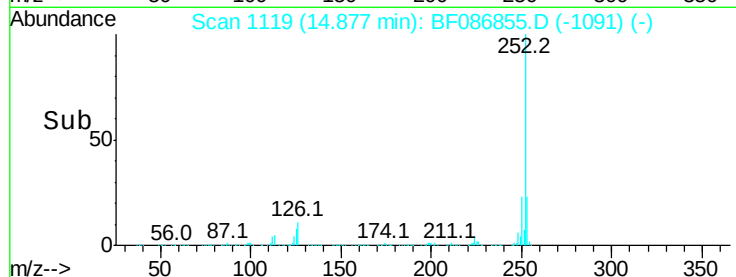
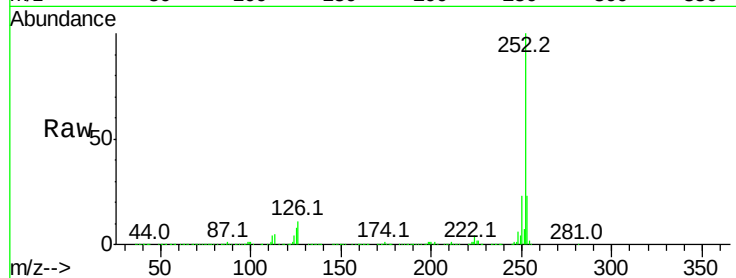
#88
Benzo(k)fluoranthene
Concen: 137.26 ng m
RT: 14.88 min Scan# 1119
Delta R.T. 0.02 min
Lab File: BF086855.D
Acq: 10 May 2016 12:32

Instrument :
BNA_F
ClientSampled :
PT-BNA-SOIL

Tot Ion:252 Resp: 3353770
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 7.6 9.1 13.7#

Manual Integrations
APPROVED

sohil
5/11/2016 8:14:51 PM



#91
Benzo(g,h,i)perylene
Concen: 60.60 ng
RT: 16.90 min Scan# 1296
Delta R.T. 0.01 min
Lab File: BF086855.D
Acq: 10 May 2016 12:32

Tgt Ion:276 Resp: 1335848
Ion Ratio Lower Upper
276 100
277 24.0 19.6 29.4
138 19.3 23.6 35.4#

