

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\
 Data File : BF087107.D
 Acq On : 17 May 2016 17:21
 Operator : UM/SJ
 Sample : H2817-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Manual Integrations
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Quant Time: May 18 02:11:17 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	130609	20.00	ng	-0.01
21) Naphthalene-d8	7.88	136	578490	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	275009	20.00	ng	-0.01
63) Phenanthrene-d10	11.11	188	509584	20.00	ng	-0.01
75) Chrysene-d12	13.74	240	345160	20.00	ng	-0.02
86) Perylene-d12	15.10	264	325806	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.19	112	1012320	130.28	ng	-0.01
7) Phenol-d6	6.27	99	1327511	127.38	ng	-0.01
23) Nitrobenzene-d5	7.16	82	870385	74.99	ng	-0.02
41) 2,4,6-Tribromophenol	10.42	330	318122	104.68	ng	-0.02
44) 2-Fluorobiphenyl	8.97	172	1532872	92.31	ng	-0.01
78) Terphenyl-d14	12.70	244	1418791	92.98	ng	-0.01

Target Compounds

						Qvalue
8) 2-Chlorophenol	6.39	128	897156	94.89	ng	87
10) Phenol	6.30	94	1903606	145.30	ng	86
11) bis(2-Chloroethyl)ether	6.35	93	1067156	108.48	ng	86
12) 1,3-Dichlorobenzene	6.54	146	1521762	151.42	ng	# 91
13) 1,4-Dichlorobenzene	6.62	146	1653603	160.81	ng	# 93
14) 1,2-Dichlorobenzene	6.78	146	1959665	217.69	ng	96
18) Hexachloroethane	7.11	117	749883	190.76	ng	# 89
25) Isophorone	7.44	82	3603238	169.58	ng	98
29) 2,4-Dichlorophenol	7.76	162	575310	72.87	ng	93
30) 1,2,4-Trichlorobenzene	7.83	180	1164233	132.89	ng	96
31) Naphthalene	7.91	128	1865677	66.00	ng	98
34) Hexachlorobutadiene	8.02	225	332172	66.81	ng	99
36) 4-Chloro-3-methylphenol	8.47	107	1368881	143.74	ng	89
37) 2-Methylnaphthalene	8.60	142	2749917	152.10	ng	# 94
42) 2,4,6-Trichlorophenol	8.89	196	638293	122.54	ng	95
43) 2,4,5-Trichlorophenol	8.94	196	347361	64.19	ng	95
46) 2-Chloronaphthalene	9.08	162	1580093	90.26	ng	# 91
49) Dimethylphthalate	9.37	163	139950	6.67	ng	99
51) Acenaphthene	9.67	154	1279370	76.61	ng	99
55) 4-Nitrophenol	9.80	139	535760	113.46	ng	# 55
59) Diethylphthalate	10.08	149	1666680	83.22	ng	98
60) 4-Chlorophenyl-phenylether	10.18	204	1138712	138.45	ng	94
66) 4-Bromophenyl-phenylether	10.66	248	402588	76.83	ng	99
69) Pentachlorophenol	10.94	266	416272	182.39	ng	98
71) Anthracene	11.19	178	2150360	76.92	ng	99
73) Di-n-butylphthalate	11.69	149	3282473	111.91	ng	# 97
77) Pyrene	12.56	202	3716971	149.07	ng	98
79) Butylbenzylphthalate	13.18	149	1008499	95.81	ng	# 73
82) Chrysene	13.77	228	2478662	128.37	ng	98
83) Bis(2-ethylhexyl)phthalate	13.74	149	1456061	113.66	ng	97
84) Di-n-octyl phthalate	14.35	149	2683118	121.58	ng	# 87
87) Benzo(b)fluoranthene	14.73	252	1173861m	54.31	ng	
88) Benzo(k)fluoranthene	14.77	252	2374969m	147.59	ng	
91) Benzo(g,h,i)perylene	16.72	276	1094125	71.21	ng	# 91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

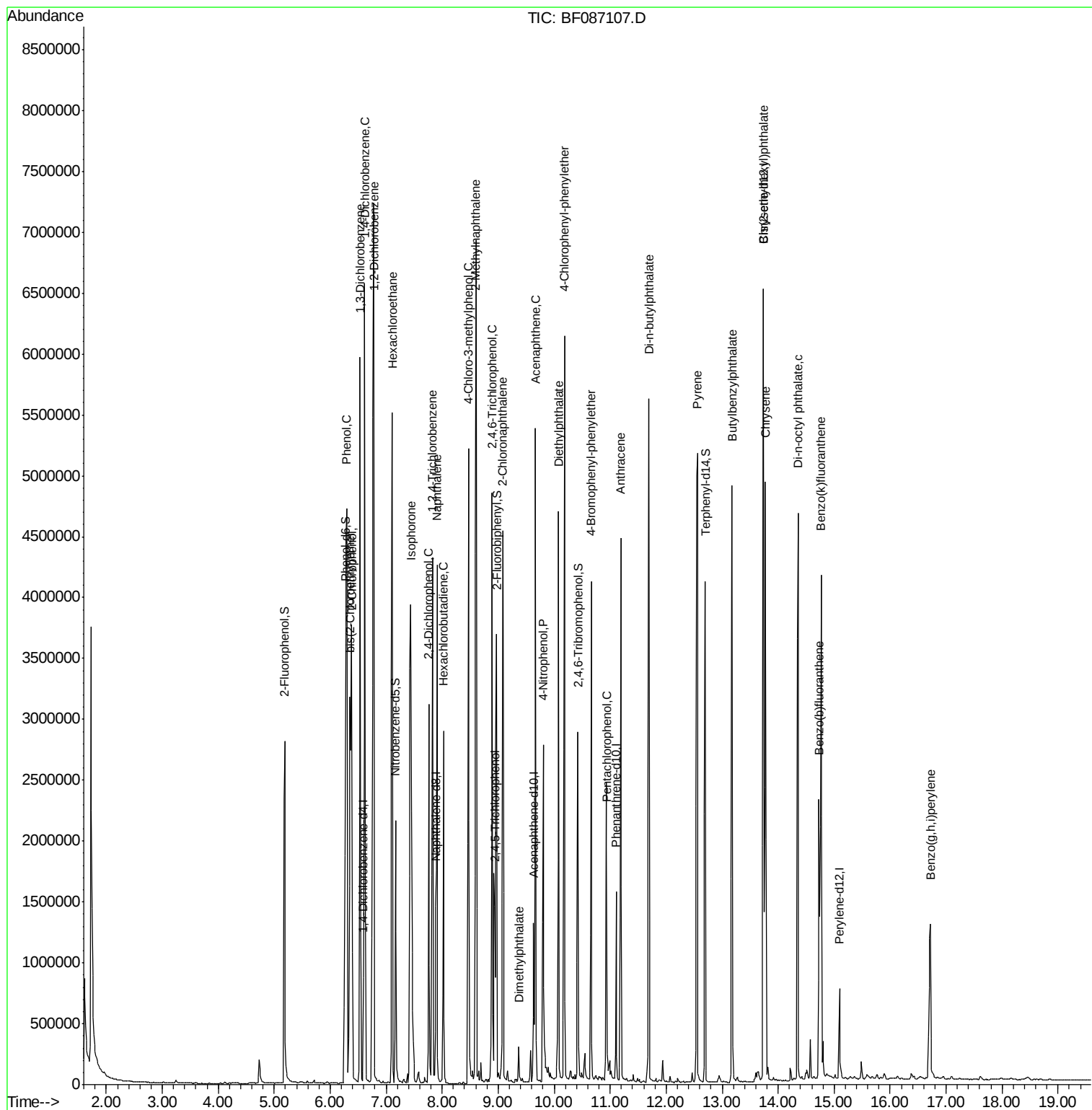
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\
Data File : BF087107.D
Acq On : 17 May 2016 17:21
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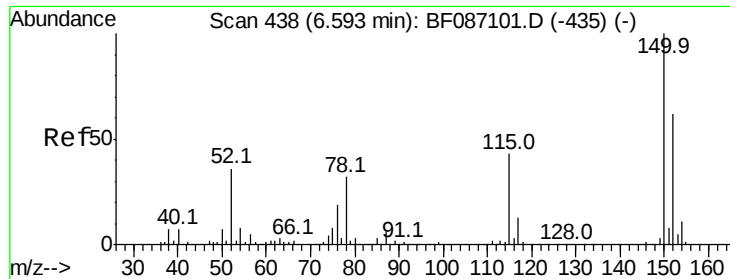
Instrument :
BNA_F
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF087107.D

Acq: 17 May 2016 17:21

Instrument :

BNA_F

ClientSampled :

PT-BNA-SOIL

Tot Ion:152 Resp: 130609

Ion Ratio Lower Upper

152 100

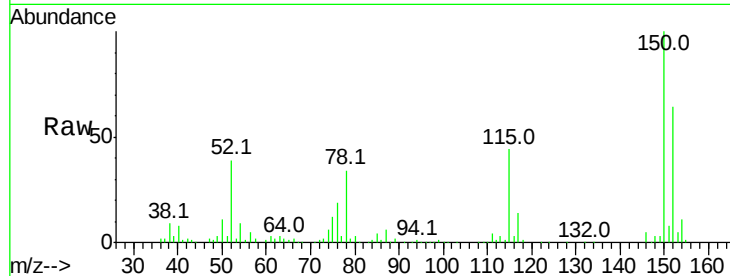
150 156.9 125.8 188.6

115 69.7 51.5 77.3

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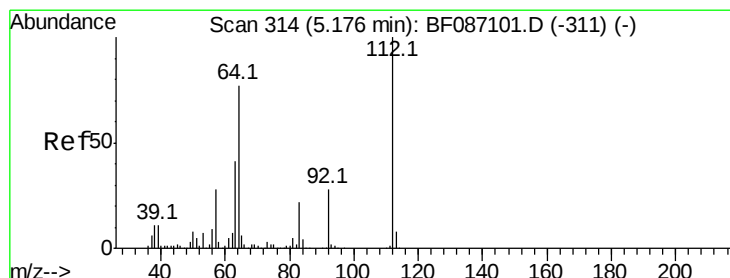
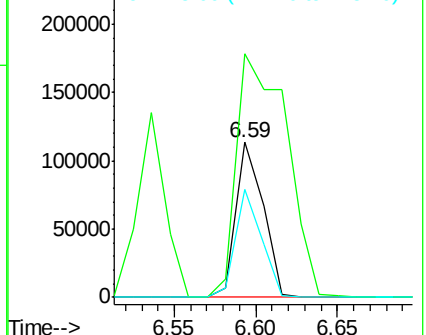
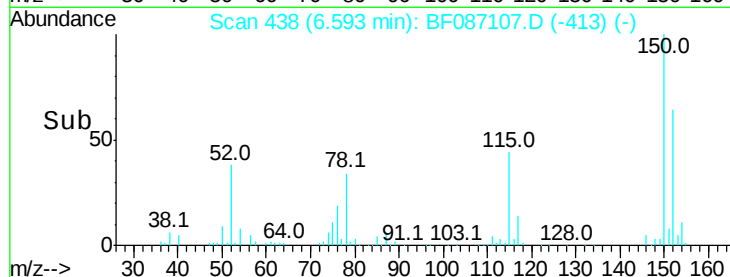
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 130.28 ng

RT: 5.19 min Scan# 315

Delta R.T. -0.01 min

Lab File: BF087107.D

Acq: 17 May 2016 17:21

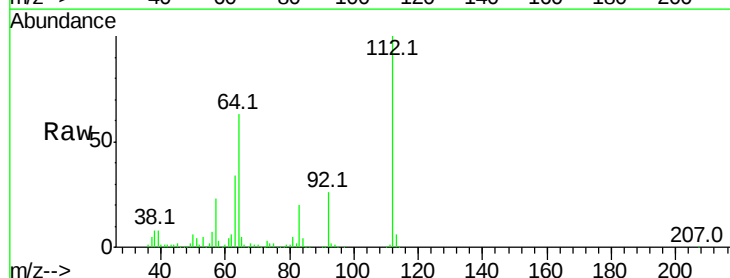
Tgt Ion:112 Resp: 1012320

Ion Ratio Lower Upper

112 100

64 63.3 52.1 78.1

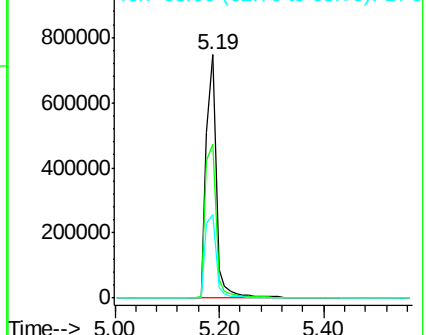
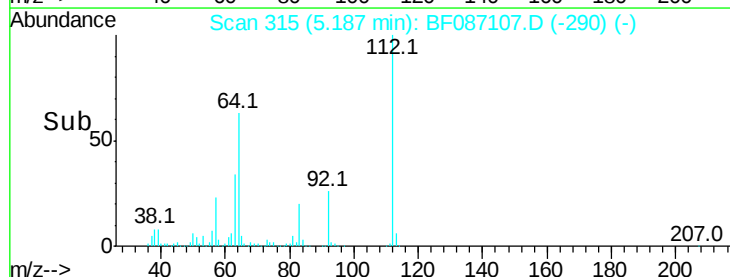
63 34.2 25.7 38.5

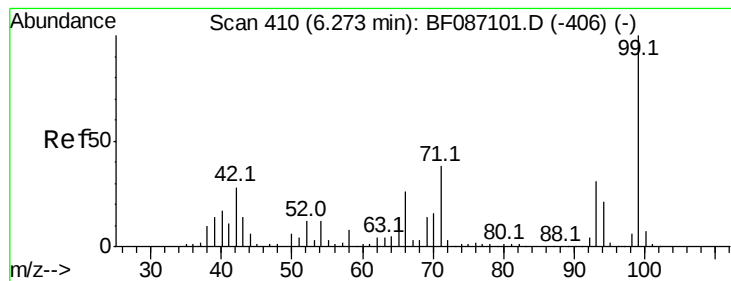


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 127.38 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF087107.D

Acq: 17 May 2016 17:21

Instrument :

BNA_F

ClientSampled :

PT-BNA-SOIL

Tot Ion: 99 Resp: 1327511

Ion Ratio Lower Upper

99 100

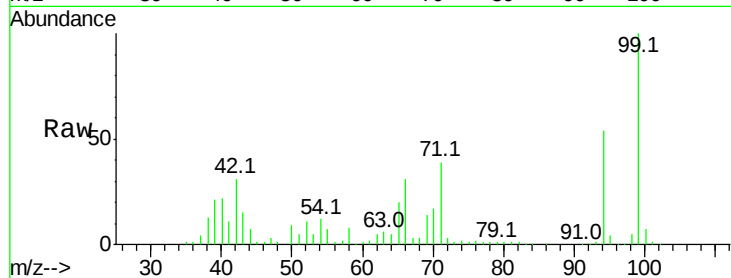
42 30.7 13.6 20.4#

71 39.1 24.6 36.8#

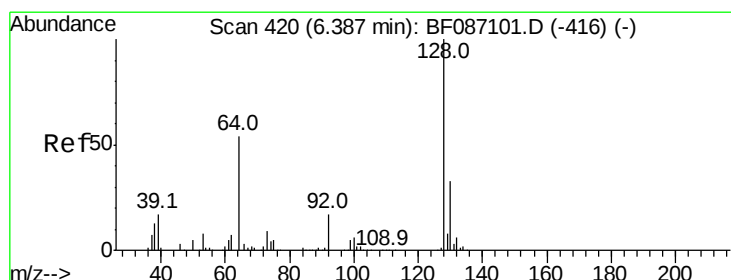
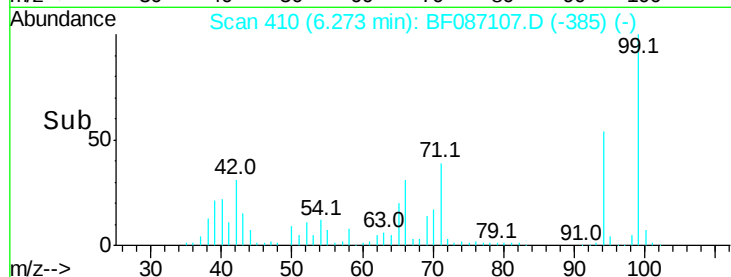
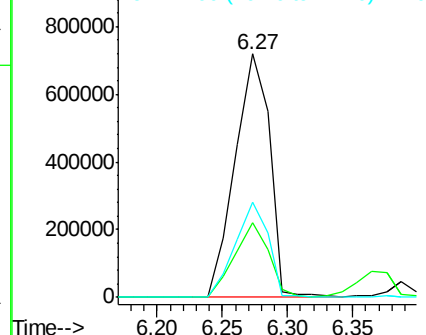
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 94.89 ng

RT: 6.39 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF087107.D

Acq: 17 May 2016 17:21

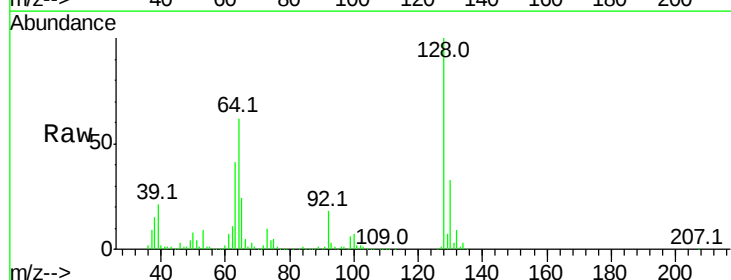
Tgt Ion:128 Resp: 897156

Ion Ratio Lower Upper

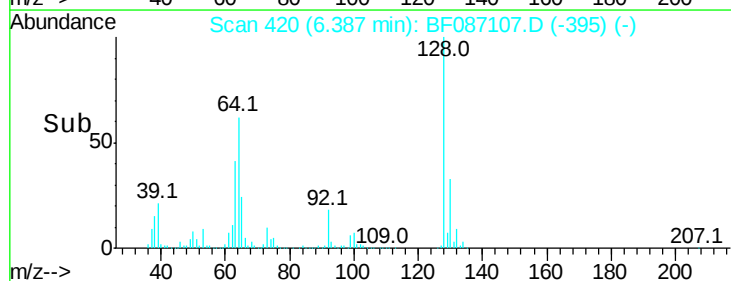
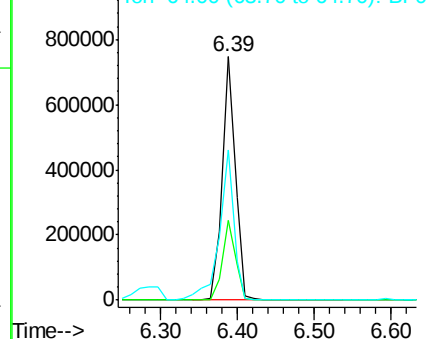
128 100

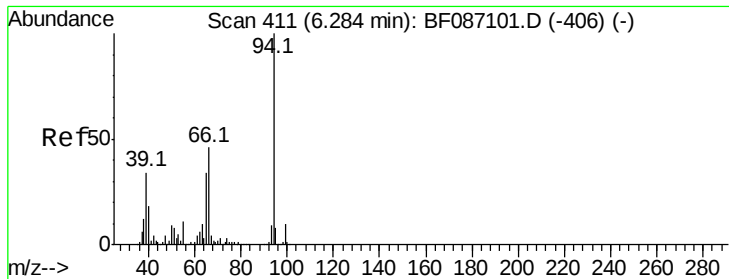
130 32.9 12.5 52.5

64 61.8 27.3 67.3



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





#10

Phenol

Concen: 145.30 ng

RT: 6.30 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF087107.D

Acq: 17 May 2016 17:21

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tot Ion: 94 Resp: 1903606

Ion Ratio Lower Upper

94 100

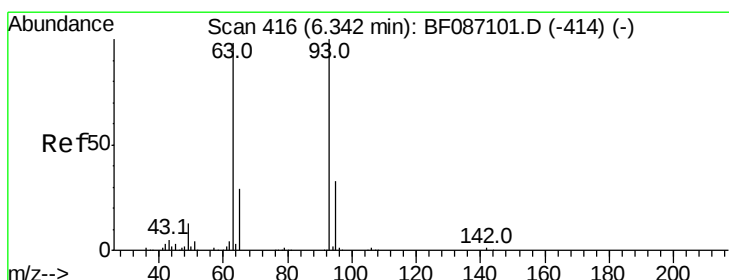
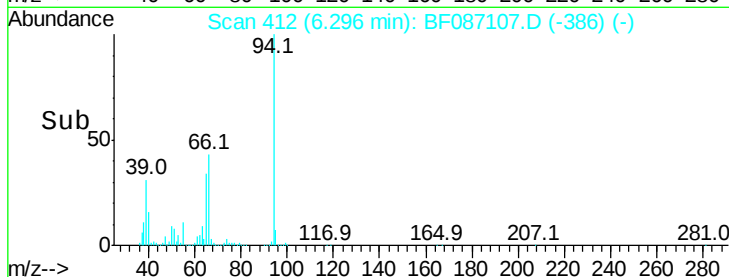
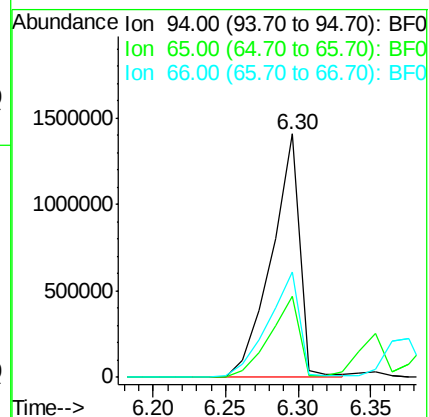
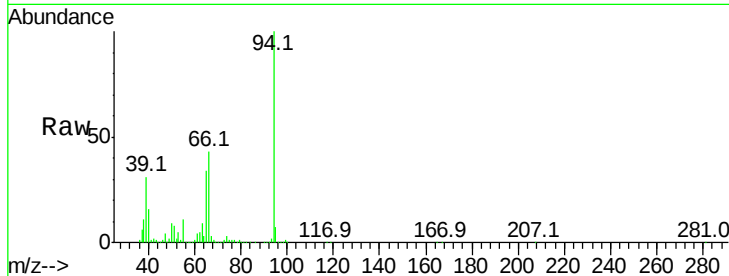
65 33.5 7.2 47.2

66 43.4 14.9 54.9

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#11

bis(2-Chloroethyl)ether

Concen: 108.48 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF087107.D

Acq: 17 May 2016 17:21

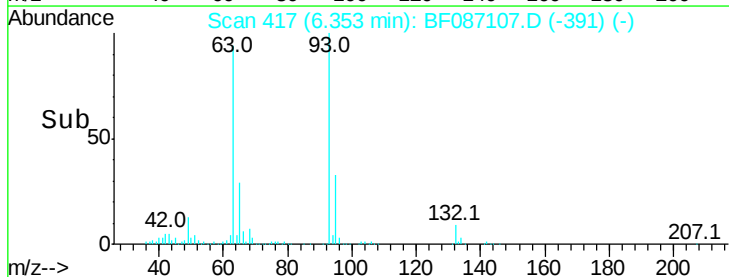
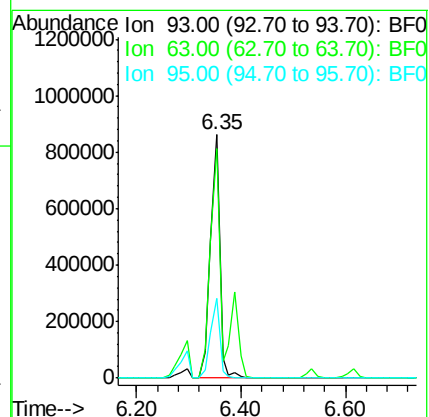
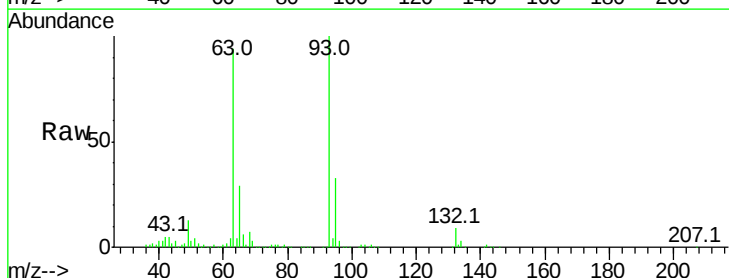
Tgt Ion: 93 Resp: 1067156

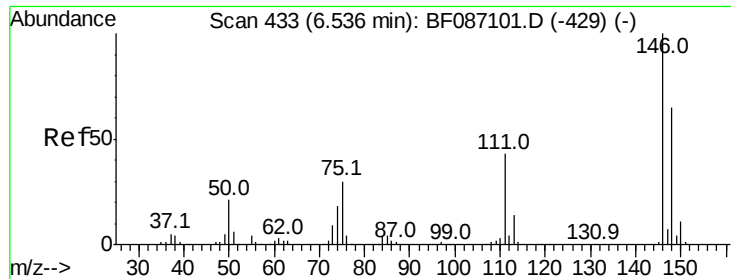
Ion Ratio Lower Upper

93 100

63 94.1 58.0 98.0

95 32.8 11.9 51.9





#12

1,3-Dichlorobenzene

Concen: 151.42 ng

RT: 6.54 min Scan# 433

Delta R.T. -0.01 min

Lab File: BF087107.D

Acq: 17 May 2016 17:21

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tot Ion:146 Resp: 1521762

Ion Ratio Lower Upper

146 100

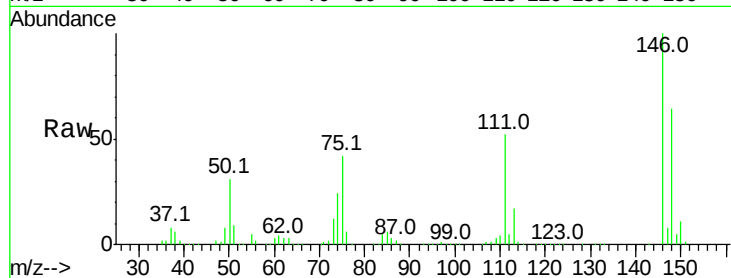
148 64.2 52.4 78.6

75 42.4 22.8 34.2#

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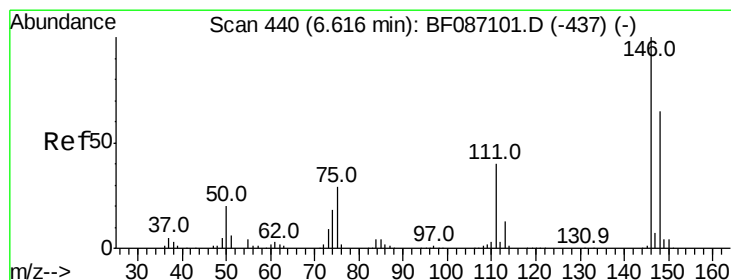
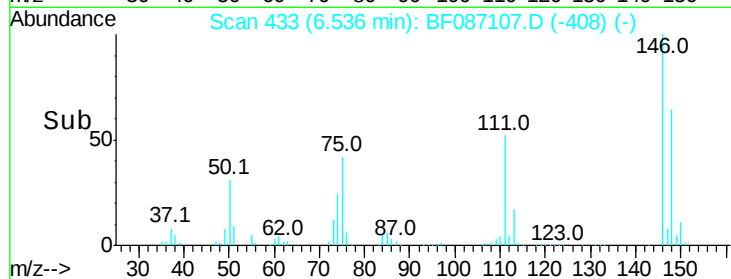
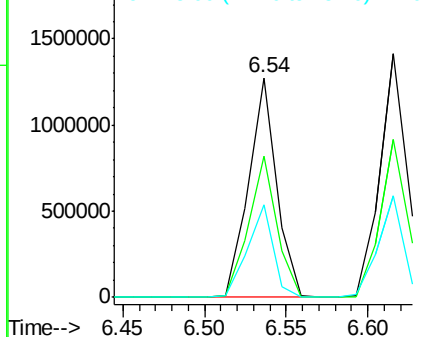
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Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 160.81 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.01 min

Lab File: BF087107.D

Acq: 17 May 2016 17:21

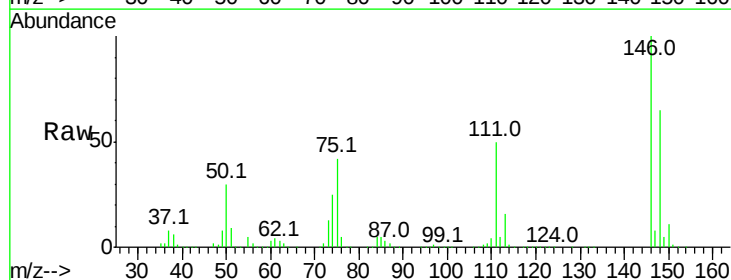
Tgt Ion:146 Resp: 1653603

Ion Ratio Lower Upper

146 100

148 64.8 52.2 78.4

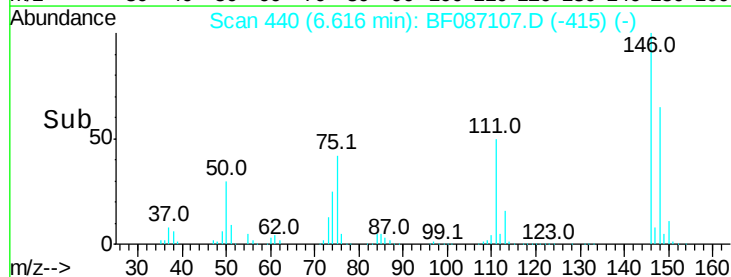
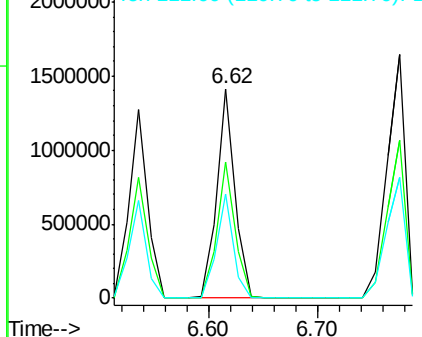
111 49.7 30.7 46.1#

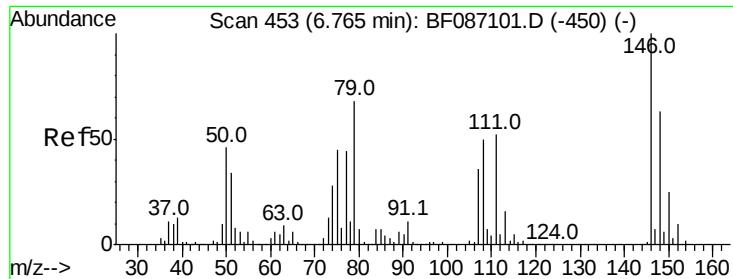


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





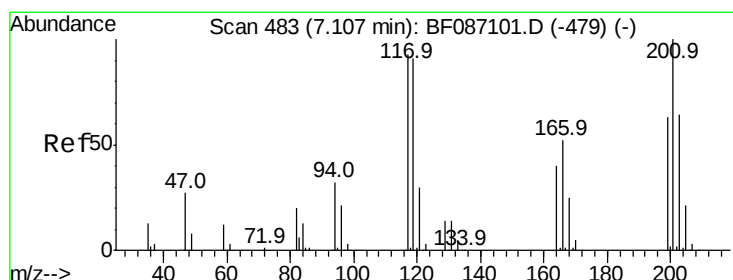
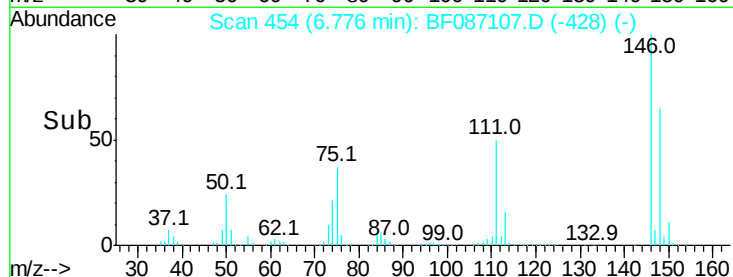
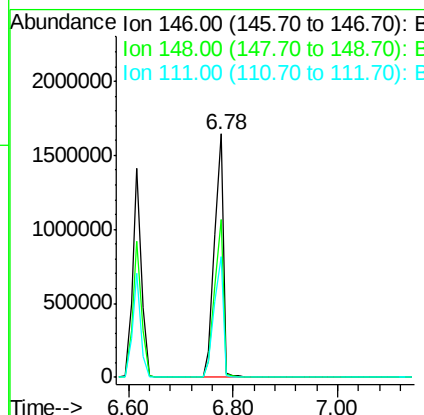
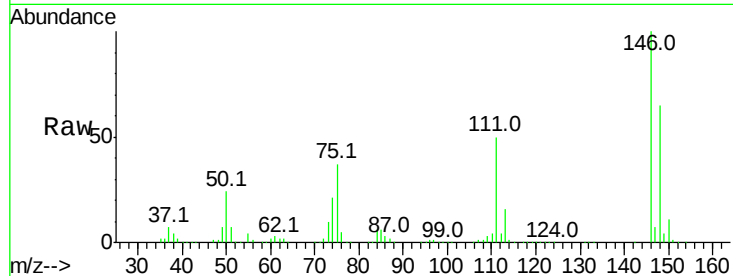
#14
 1,2-Dichlorobenzene
 Concen: 217.69 ng
 RT: 6.78 min Scan# 454
 Delta R.T. 0.00 min
 Lab File: BF087107.D
 Acq: 17 May 2016 17:21

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion:146 Resp: 1959665
 Ion Ratio Lower Upper
 146 100
 148 65.1 51.0 76.6
 111 49.5 36.2 54.4

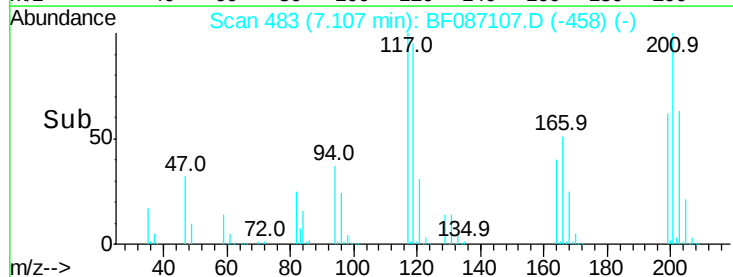
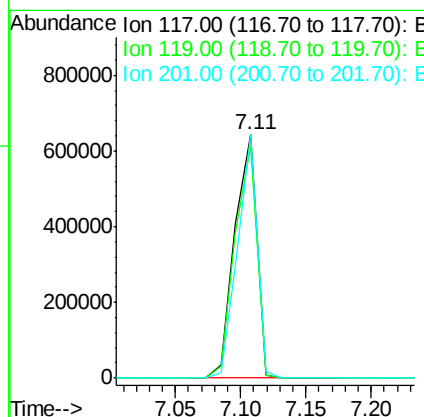
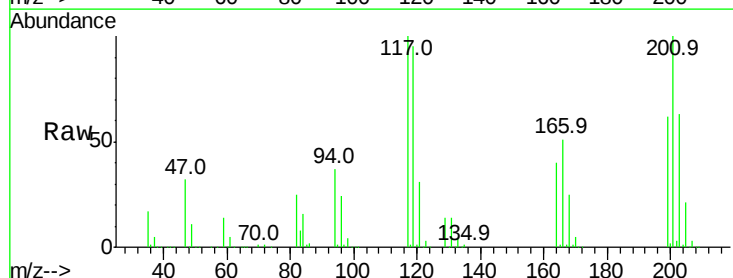
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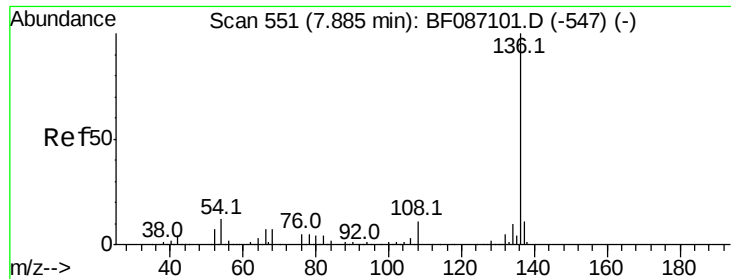
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#18
 Hexachloroethane
 Concen: 190.76 ng
 RT: 7.11 min Scan# 483
 Delta R.T. -0.01 min
 Lab File: BF087107.D
 Acq: 17 May 2016 17:21

Tgt Ion:117 Resp: 749883
 Ion Ratio Lower Upper
 117 100
 119 95.5 76.5 114.7
 201 100.1 63.0 94.6#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF087107.D

Acq: 17 May 2016 17:21

Instrument :

BNA_F

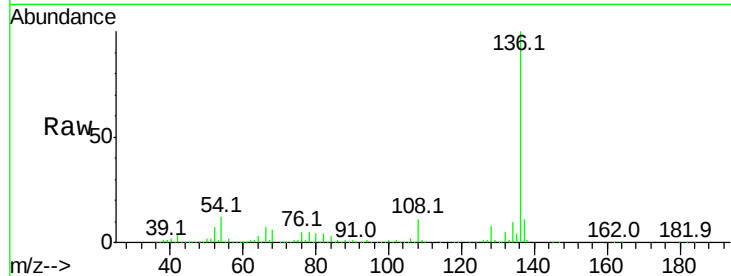
ClientSampleId :

PT-BNA-SOIL

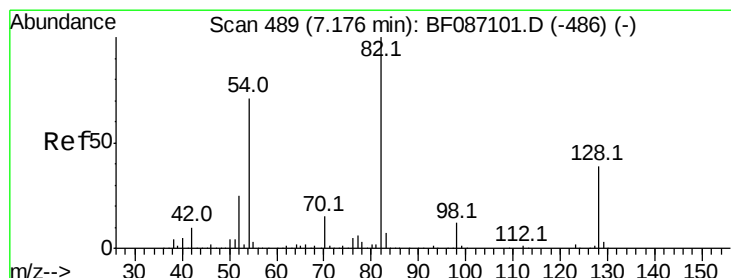
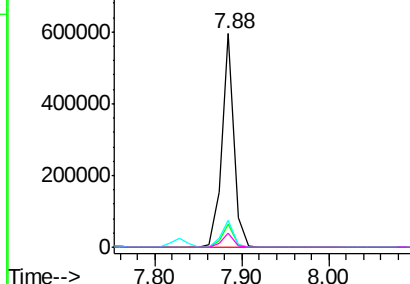
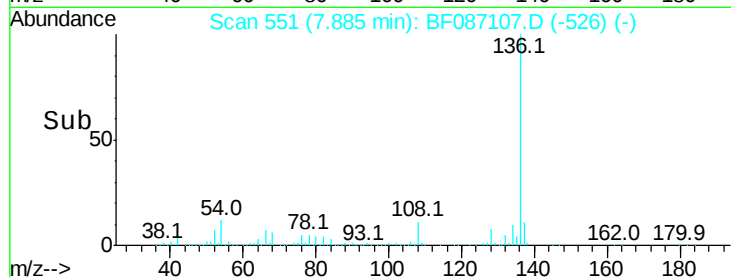
Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.9	8.8	13.2
54	12.3	5.0	7.4#
68	6.4	4.4	6.6

Manual Integrations
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Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 74.99 ng

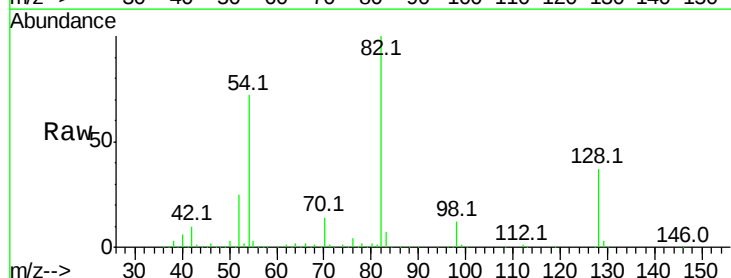
RT: 7.16 min Scan# 488

Delta R.T. -0.02 min

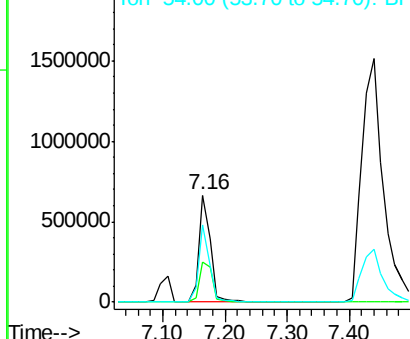
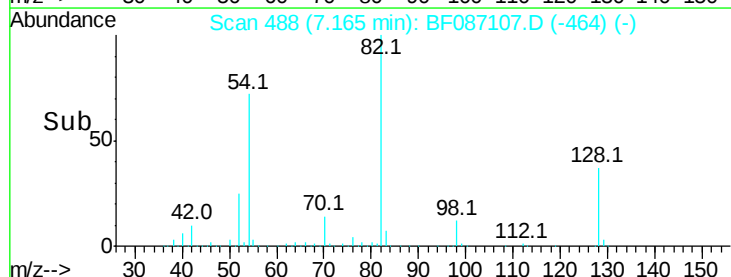
Lab File: BF087107.D

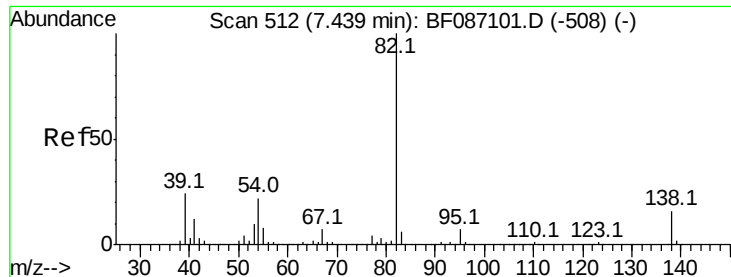
Acq: 17 May 2016 17:21

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	37.2	40.6	61.0#
54	72.2	38.1	57.1#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 169.58 ng

RT: 7.44 min Scan# 512

Delta R.T. -0.01 min

Lab File: BF087107.D

Acq: 17 May 2016 17:21

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tot Ion: 82 Resp: 3603238

Ion Ratio Lower Upper

82 100

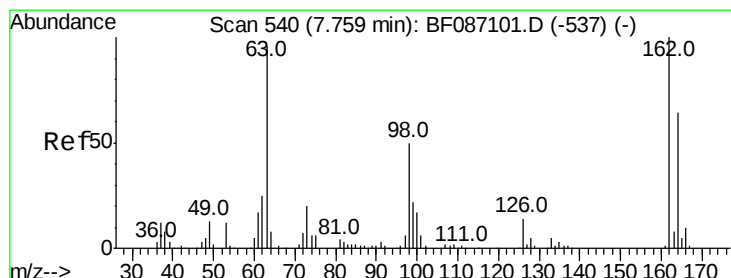
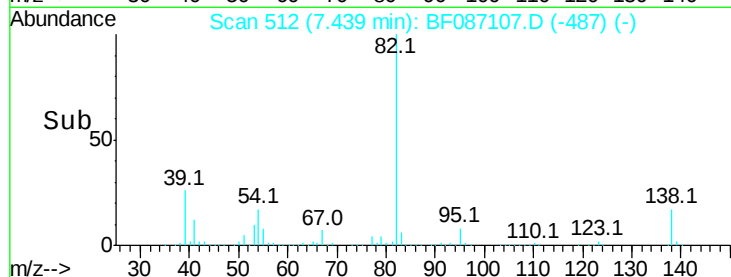
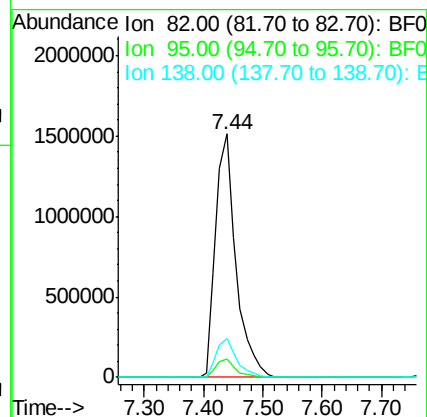
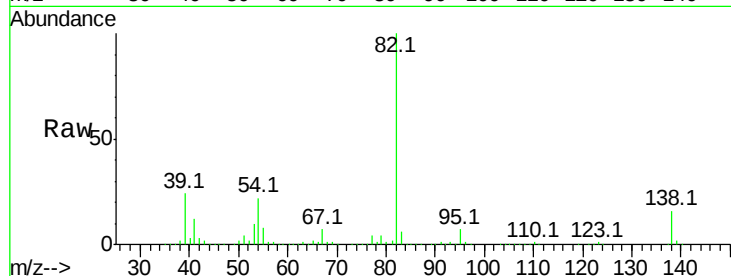
95 7.4 5.1 7.7

138 16.1 12.4 18.6

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#29

2,4-Dichlorophenol

Concen: 72.87 ng

RT: 7.76 min Scan# 540

Delta R.T. -0.02 min

Lab File: BF087107.D

Acq: 17 May 2016 17:21

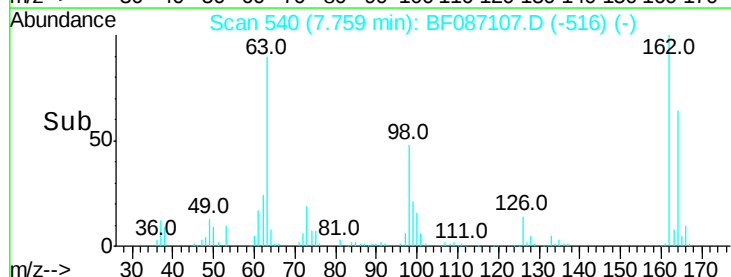
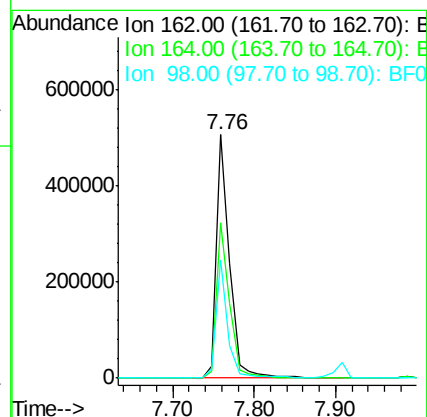
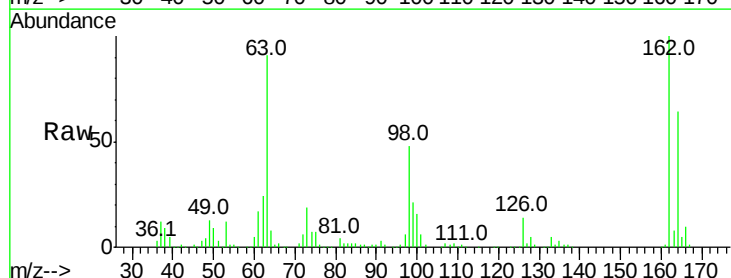
Tgt Ion: 162 Resp: 575310

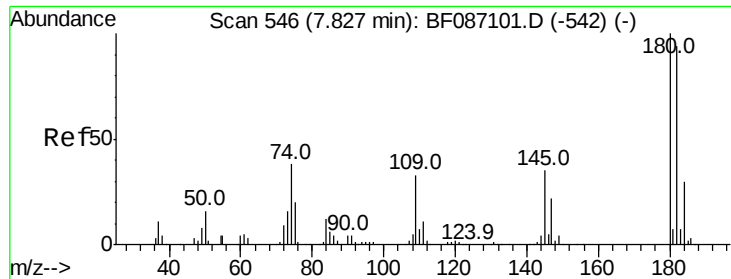
Ion Ratio Lower Upper

162 100

164 63.9 42.2 82.2

98 48.4 19.0 59.0





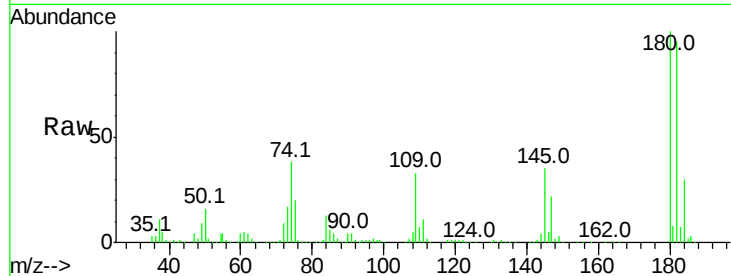
#30
 1,2,4-Trichlorobenzene
 Concen: 132.89 ng
 RT: 7.83 min Scan# 546
 Delta R.T. -0.01 min
 Lab File: BF087107.D
 Acq: 17 May 2016 17:21

Instrument :
 BNA_F
 ClientSampled :
 PT-BNA-SOIL

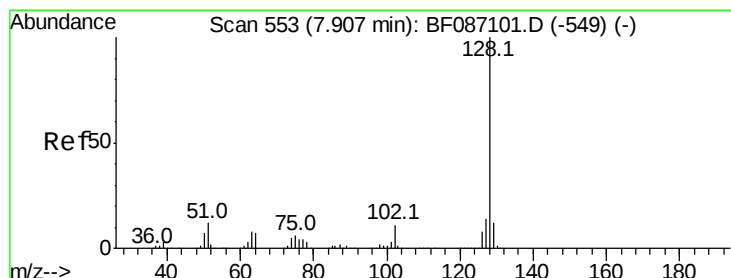
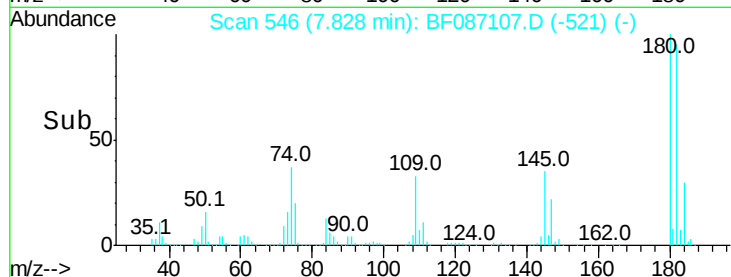
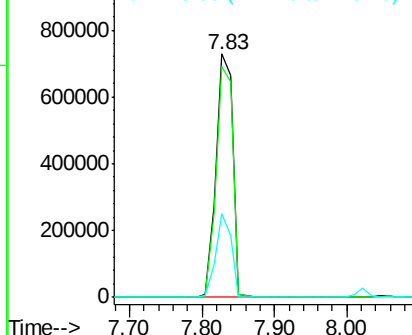
Tot Ion:180 Resp: 1164233
 Ion Ratio Lower Upper
 180 100
 182 95.0 78.0 117.0
 145 34.5 24.2 36.2

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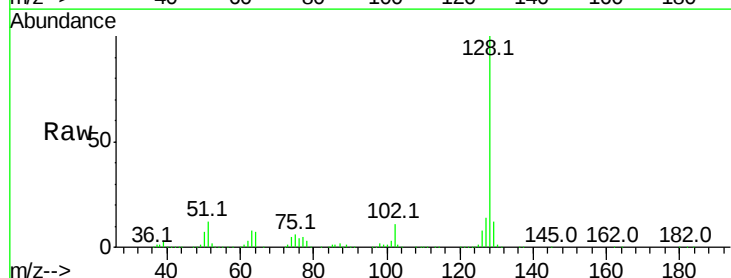


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

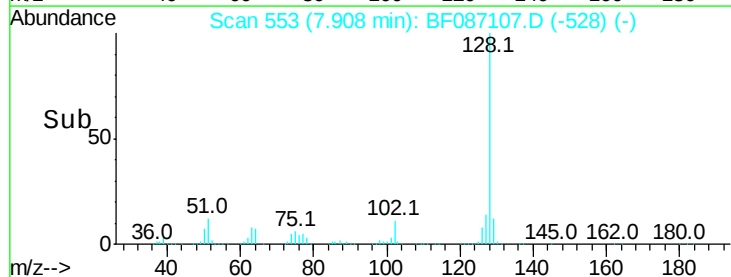
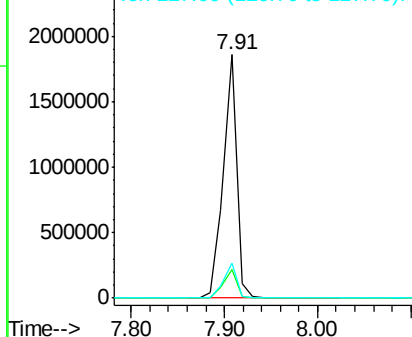


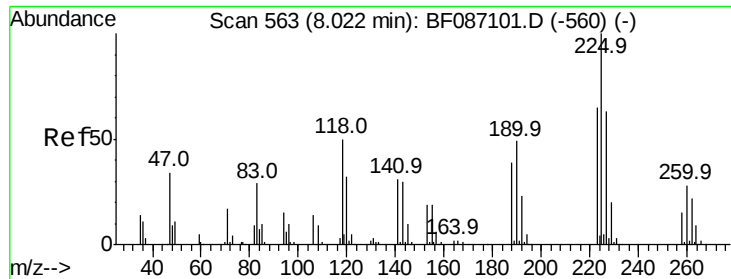
#31
 Naphthalene
 Concen: 66.00 ng
 RT: 7.91 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF087107.D
 Acq: 17 May 2016 17:21

Tgt Ion:128 Resp: 1865677
 Ion Ratio Lower Upper
 128 100
 129 11.8 8.6 13.0
 127 14.1 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





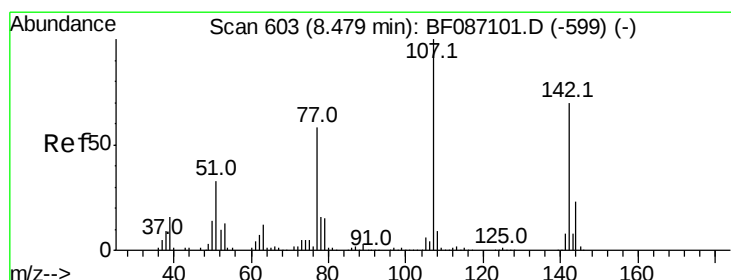
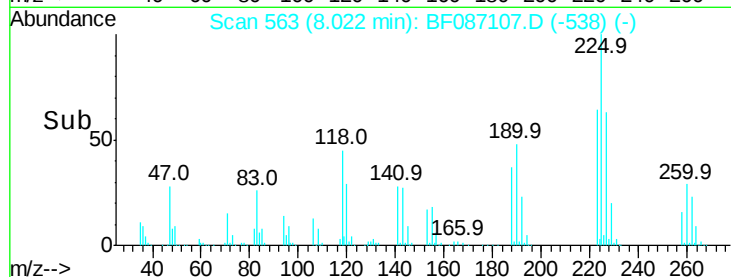
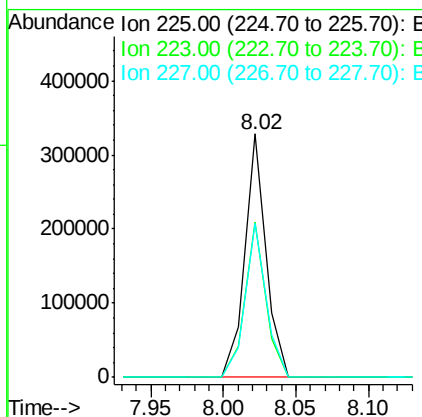
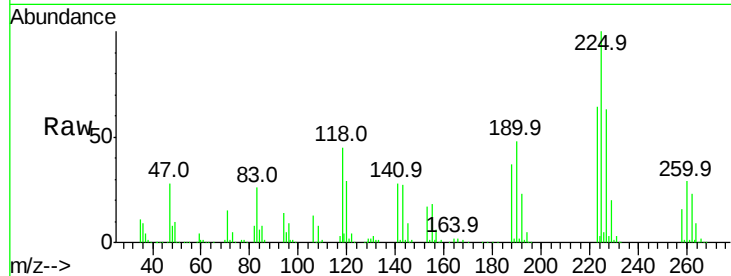
#34
Hexachlorobutadiene
Concen: 66.81 ng
RT: 8.02 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF087107.D
Acq: 17 May 2016 17:21

Instrument :
BNA_F
ClientSampled :
PT-BNA-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
225	100	332172		
223	63.9	51.5	77.3	
227	63.5	52.2	78.2	

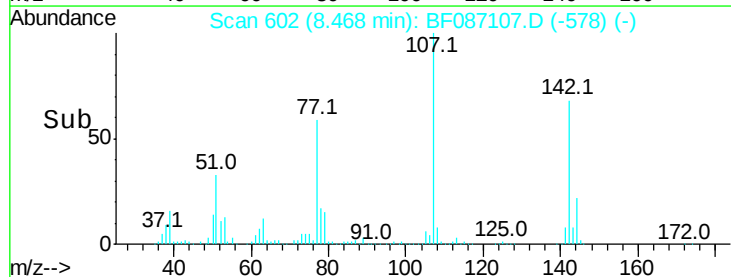
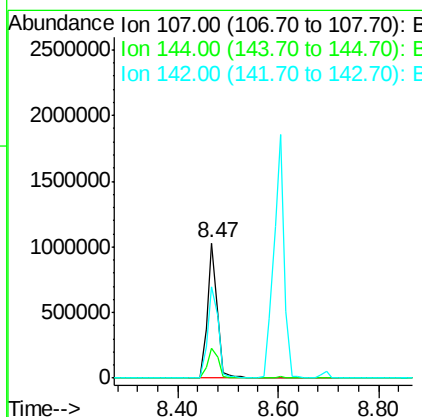
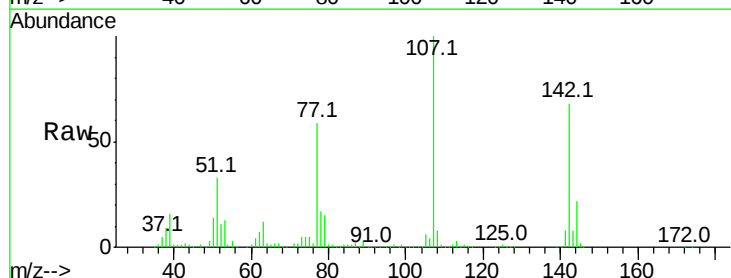
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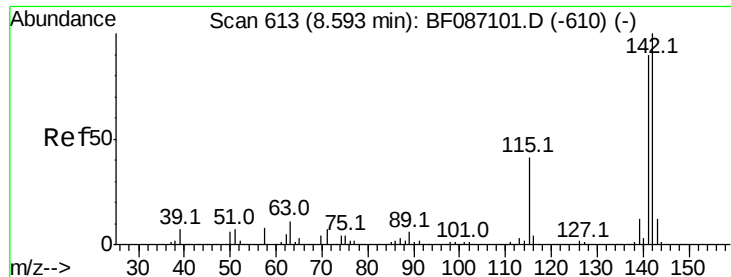
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#36
4-Chloro-3-methylphenol
Concen: 143.74 ng
RT: 8.47 min Scan# 602
Delta R.T. -0.02 min
Lab File: BF087107.D
Acq: 17 May 2016 17:21

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	1368881		
144	21.8	20.7	31.1	
142	68.0	63.2	94.8	





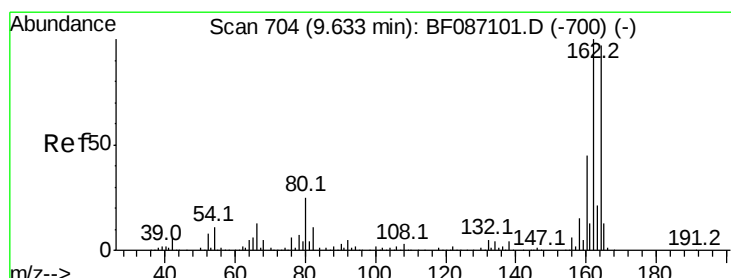
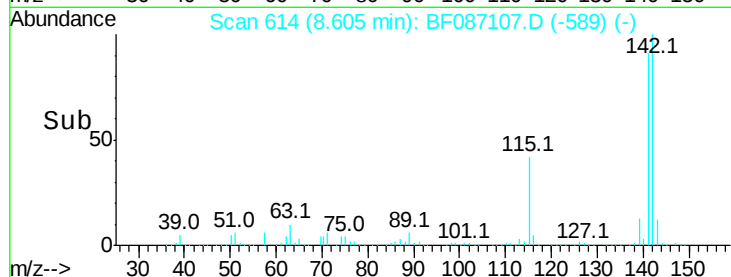
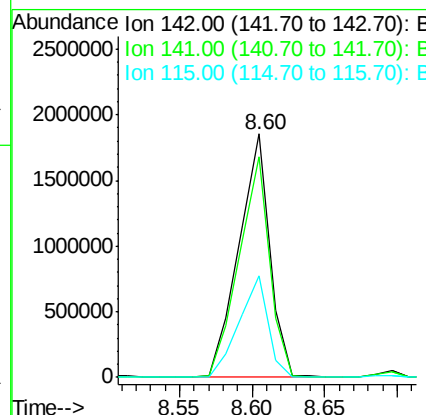
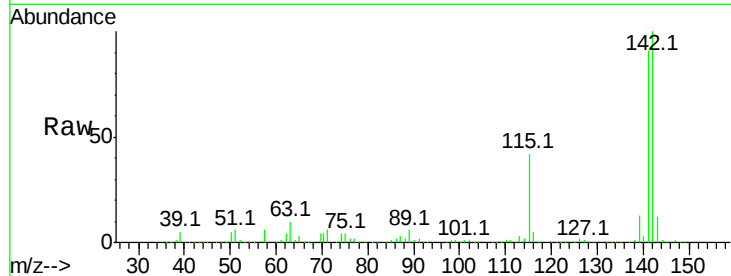
#37
2-Methylnaphthalene
Concen: 152.10 ng
RT: 8.60 min Scan# 614
Delta R.T. -0.01 min
Lab File: BF087107.D
Acq: 17 May 2016 17:21

Instrument :
BNA_F
ClientSampled :
PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.8	71.0	106.6
115	41.9	26.6	39.8

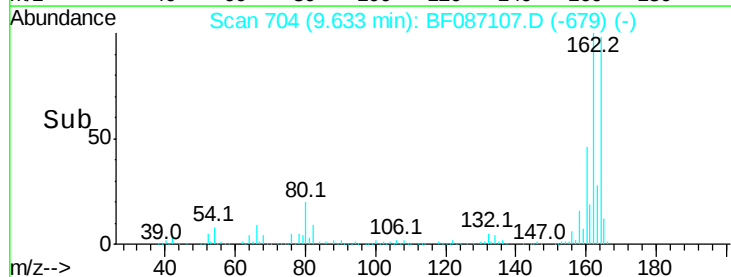
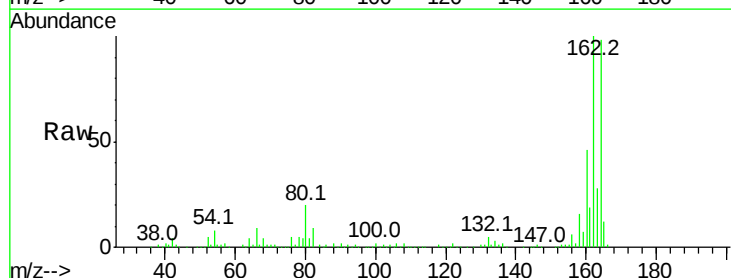
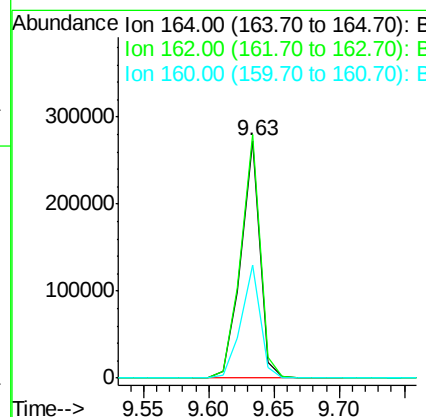
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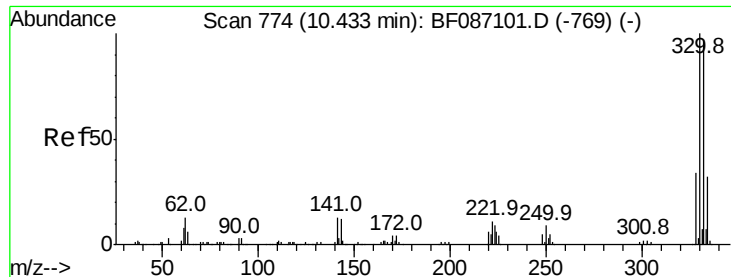
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 704
Delta R.T. -0.01 min
Lab File: BF087107.D
Acq: 17 May 2016 17:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	82.8	124.2
160	47.3	36.9	55.3





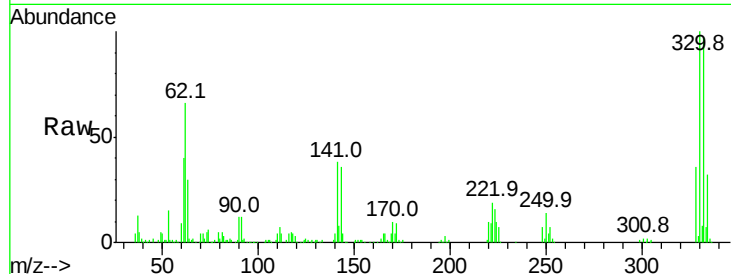
#41
 2,4,6-Tribromophenol
 Concen: 104.68 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.02 min
 Lab File: BF087107.D
 Acq: 17 May 2016 17:21

Instrument :
 BNA_F
 ClientSampled :
 PT-BNA-SOIL

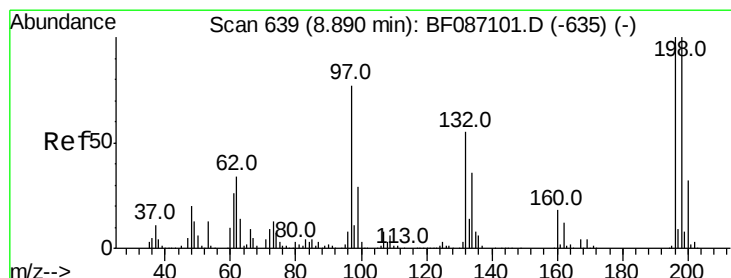
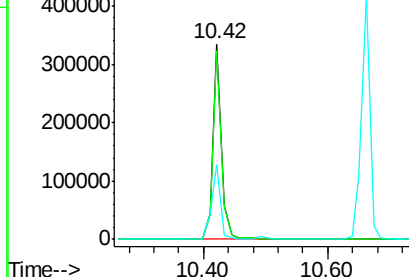
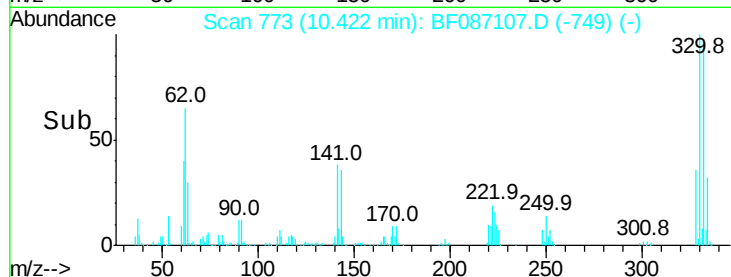
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.0	79.0	118.4	
141	40.0	31.2	46.8	

Manual Integrations
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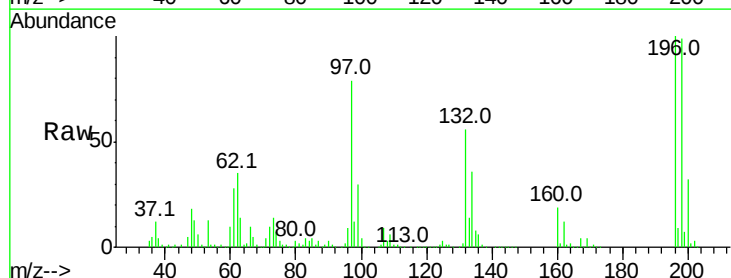


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

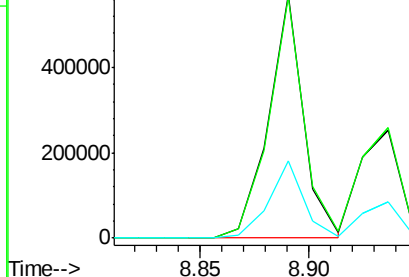
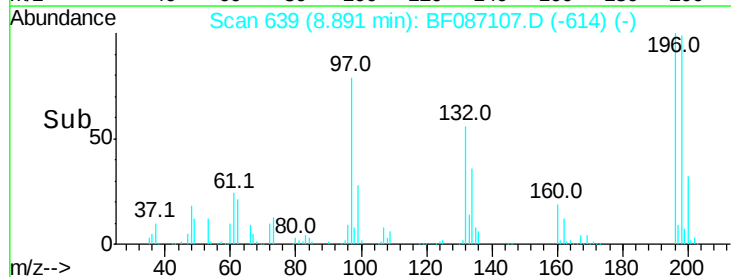


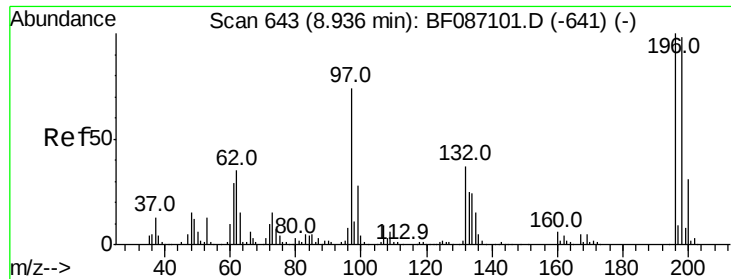
#42
 2,4,6-Trichlorophenol
 Concen: 122.54 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.01 min
 Lab File: BF087107.D
 Acq: 17 May 2016 17:21

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	99.1	74.7	112.1	
200	31.7	23.8	35.6	



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





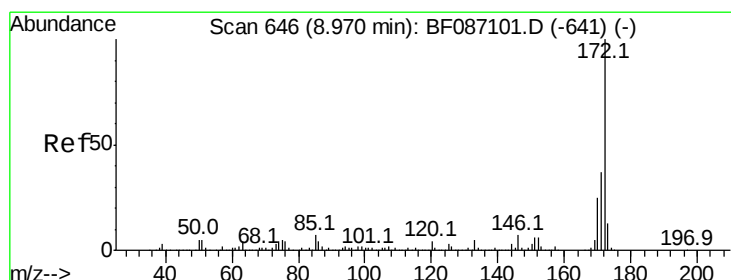
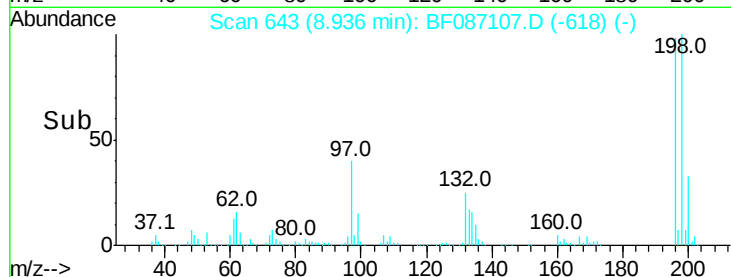
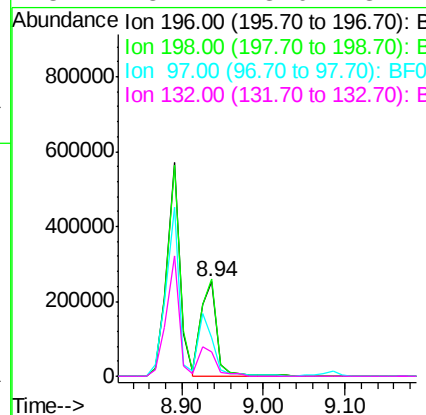
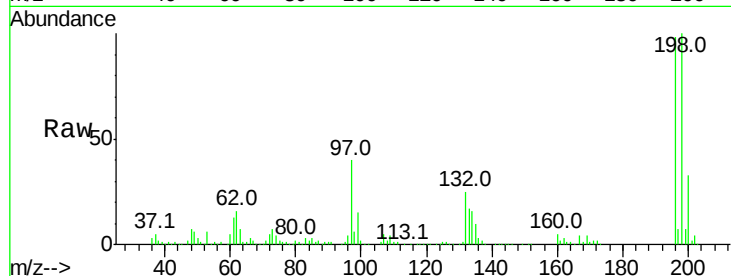
#43
 2,4,5-Trichlorophenol
 Concen: 64.19 ng
 RT: 8.94 min Scan# 643
 Delta R.T. -0.01 min
 Lab File: BF087107.D
 Acq: 17 May 2016 17:21

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
347361	196	100			
	198	102.3		77.5	116.3
	97	40.7		34.8	52.2
	132	25.4		23.0	34.4

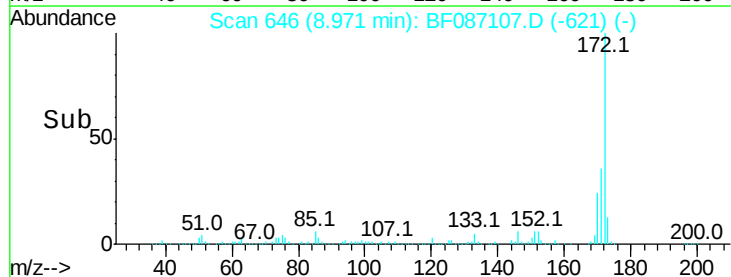
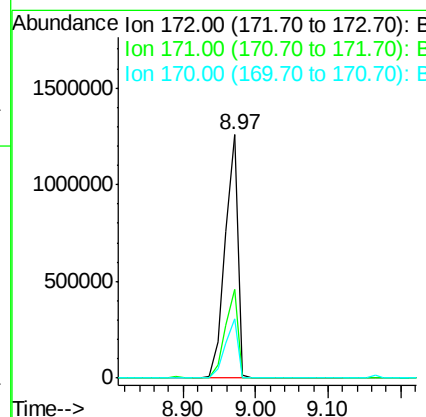
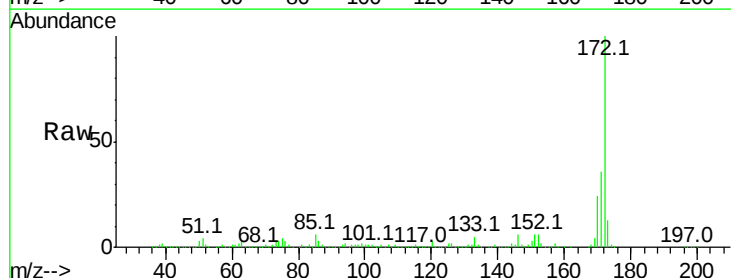
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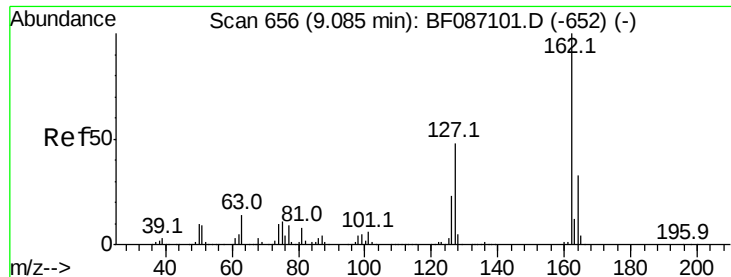
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#44
 2-Fluorobiphenyl
 Concen: 92.31 ng
 RT: 8.97 min Scan# 646
 Delta R.T. -0.01 min
 Lab File: BF087107.D
 Acq: 17 May 2016 17:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
1532872	172	100			
	171	36.2		29.0	43.6
	170	24.5		19.8	29.8





#46

2-Chloronaphthalene

Concen: 90.26 ng

RT: 9.08 min Scan# 656

Delta R.T. -0.01 min

Lab File: BF087107.D

Acq: 17 May 2016 17:21

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tot Ion:162 Resp: 1580093

Ion Ratio Lower Upper

162 100

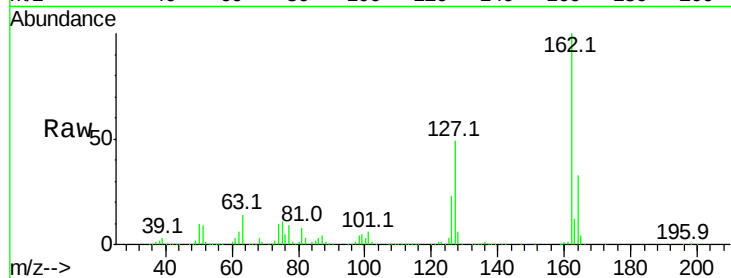
127 48.9 31.8 47.6#

164 33.1 27.0 40.6

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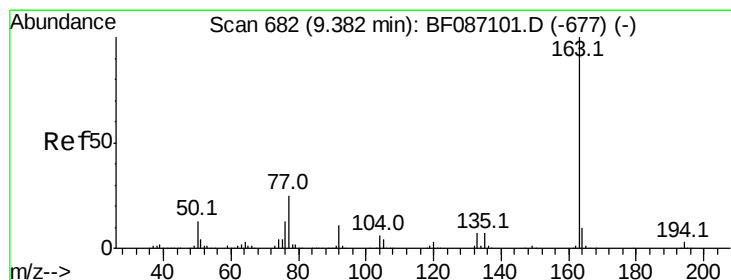
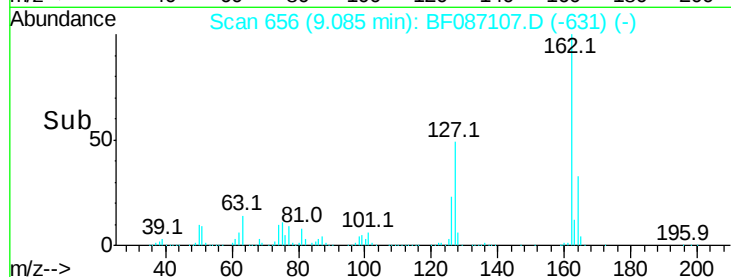
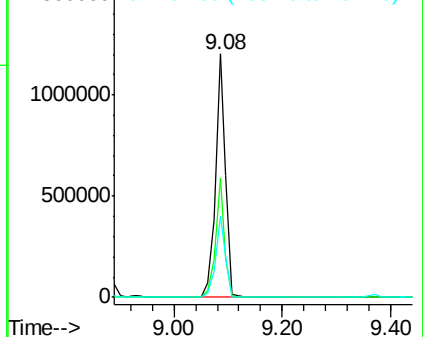
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Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#49

Dimethylphthalate

Concen: 6.67 ng

RT: 9.37 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF087107.D

Acq: 17 May 2016 17:21

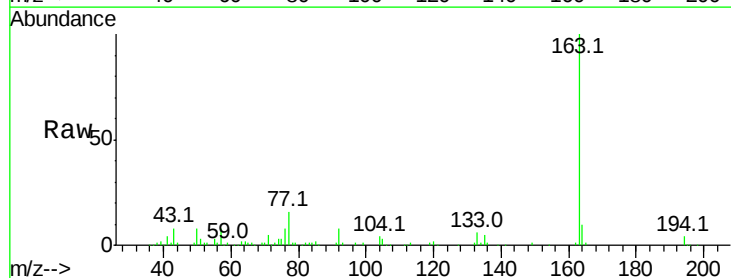
Tgt Ion:163 Resp: 139950

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

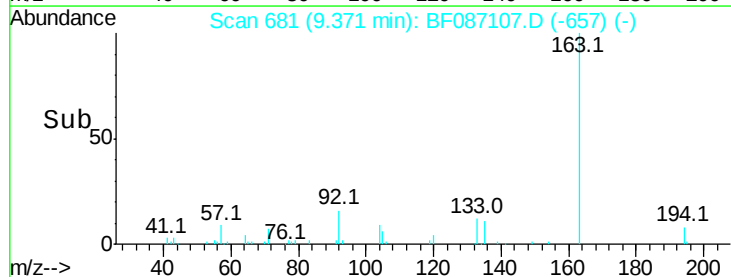
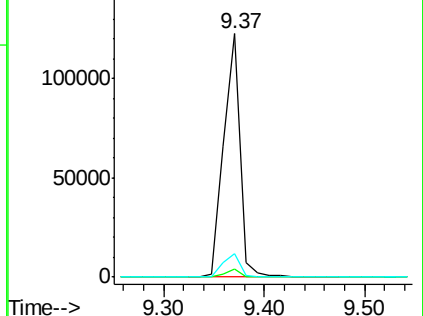
164 9.8 8.2 12.4

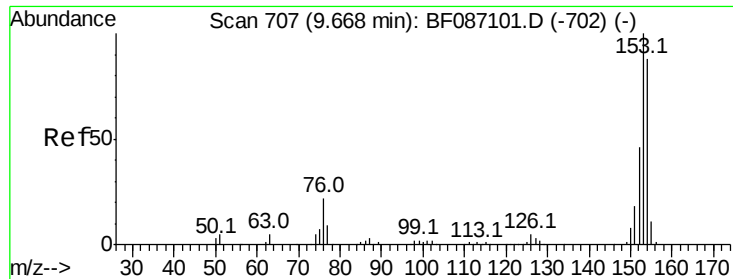


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 76.61 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.01 min

Lab File: BF087107.D

Acq: 17 May 2016 17:21

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tot Ion:154 Resp: 1279370

Ion Ratio Lower Upper

154 100

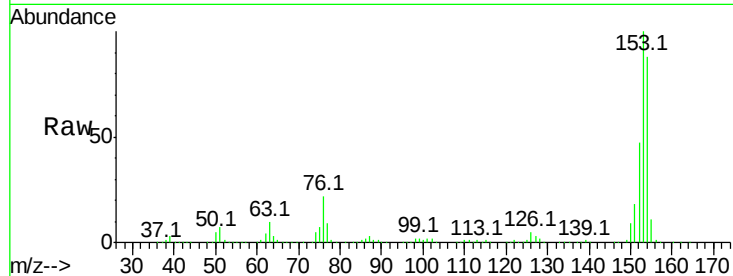
153 113.5 89.8 134.6

152 53.4 43.4 65.0

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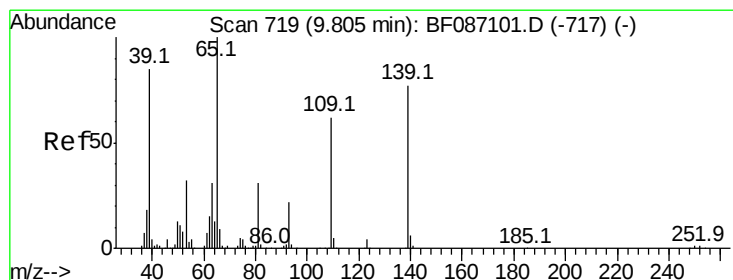
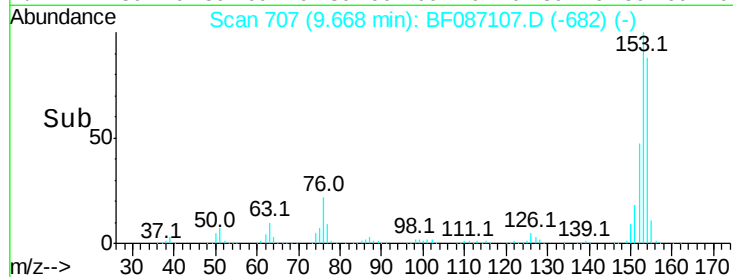
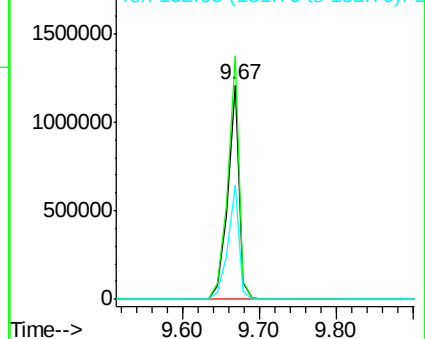
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

4-Nitrophenol

Concen: 113.46 ng

RT: 9.80 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF087107.D

Acq: 17 May 2016 17:21

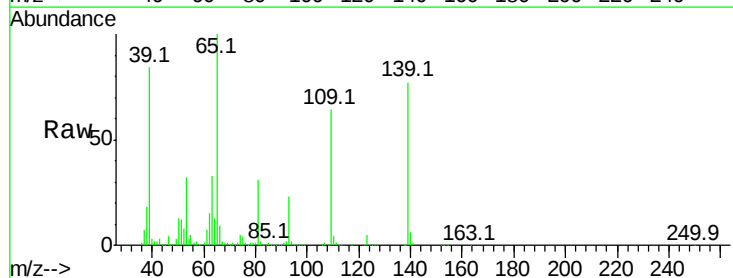
Tgt Ion:139 Resp: 535760

Ion Ratio Lower Upper

139 100

109 83.5 36.9 76.9#

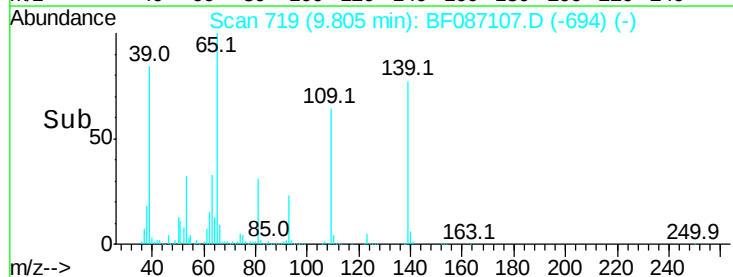
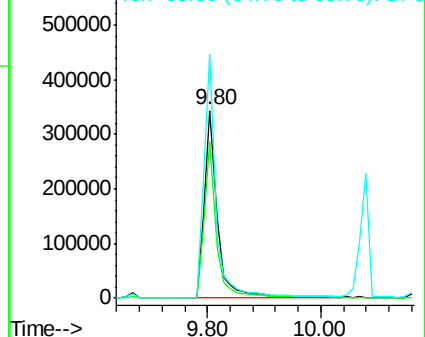
65 129.9 64.0 104.0#

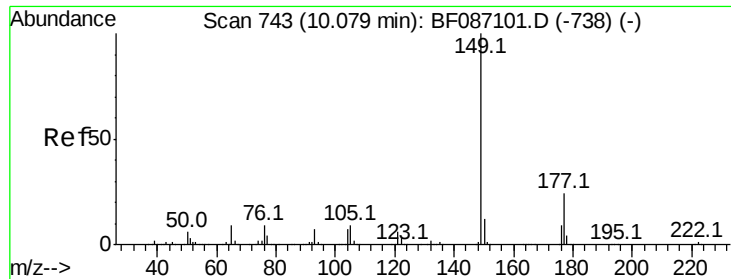


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





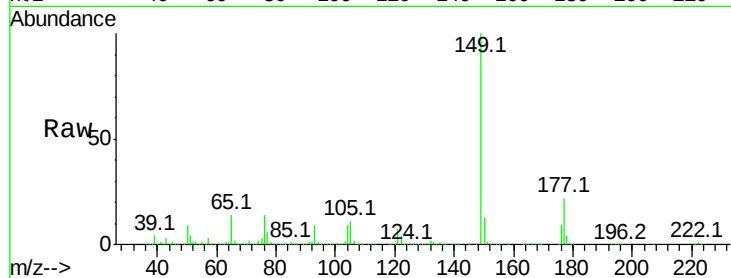
#59
Diethylphthalate
Concen: 83.22 ng
RT: 10.08 min Scan# 743
Delta R.T. -0.01 min
Lab File: BF087107.D
Acq: 17 May 2016 17:21

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

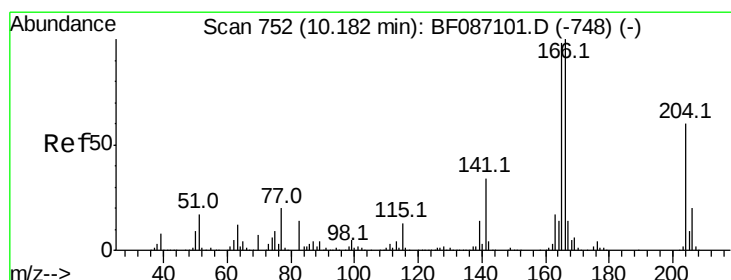
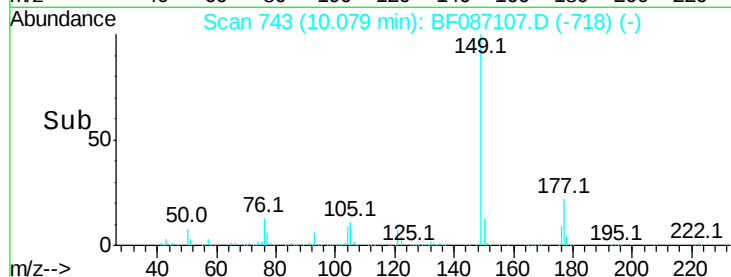
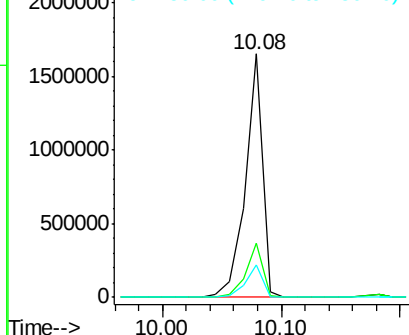
Tot Ion:149 Resp: 1666680
Ion Ratio Lower Upper
149 100
177 22.0 16.6 24.8
150 13.2 10.0 15.0

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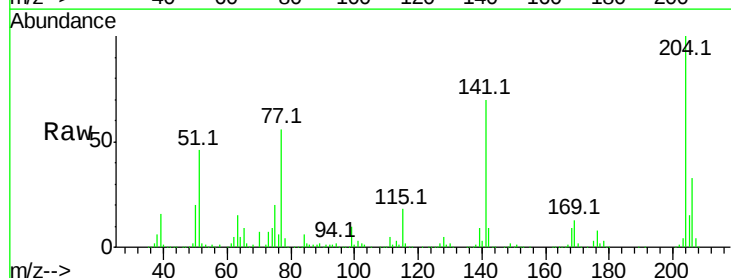


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

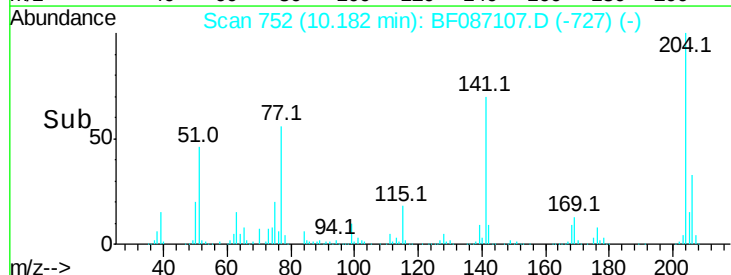
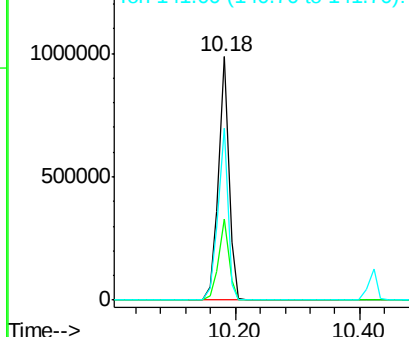


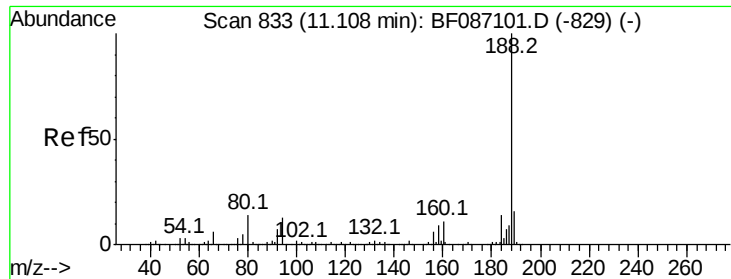
#60
4-Chlorophenyl-phenylether
Concen: 138.45 ng
RT: 10.18 min Scan# 752
Delta R.T. -0.01 min
Lab File: BF087107.D
Acq: 17 May 2016 17:21

Tgt Ion:204 Resp: 1138712
Ion Ratio Lower Upper
204 100
206 33.1 25.4 38.0
141 70.5 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





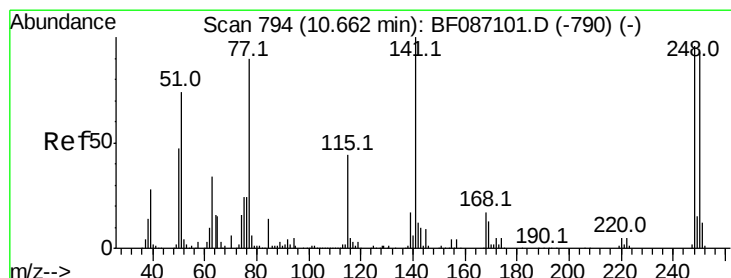
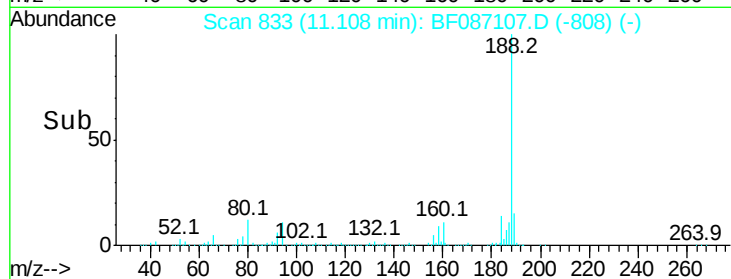
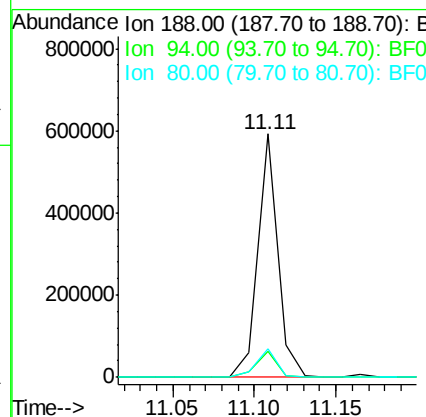
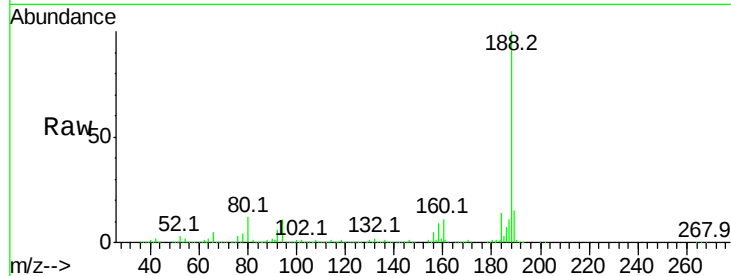
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF087107.D
Acq: 17 May 2016 17:21

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.8	6.8	10.2#
80	11.6	7.1	10.7#

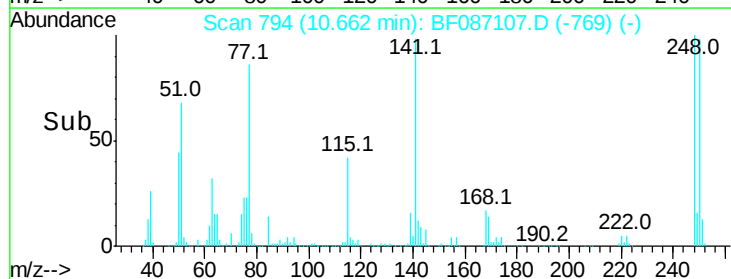
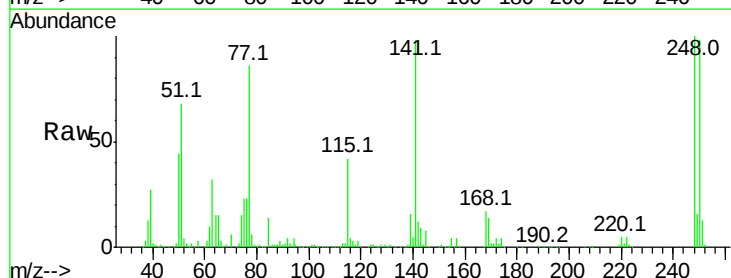
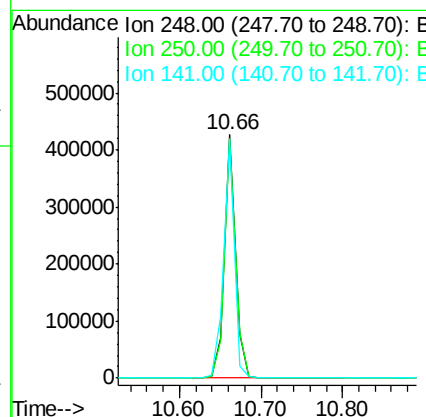
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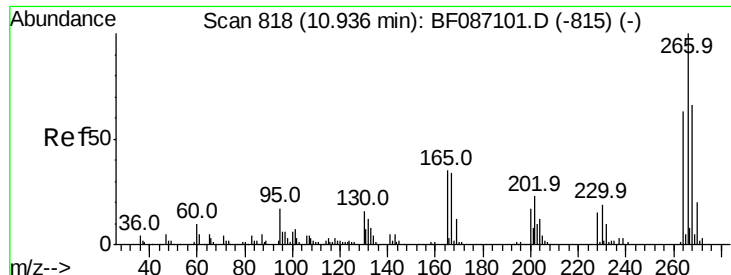
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#66
4-Bromophenyl-phenylether
Concen: 76.83 ng
RT: 10.66 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF087107.D
Acq: 17 May 2016 17:21

Tgt Ion	Ratio	Resp Lower	Upper
248	100		
250	98.3	78.6	117.8
141	97.8	76.0	114.0





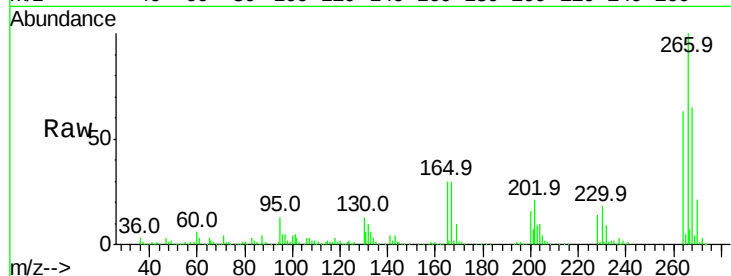
#69
 Pentachlorophenol
 Concen: 182.39 ng
 RT: 10.94 min Scan# 818
 Delta R.T. -0.01 min
 Lab File: BF087107.D
 Acq: 17 May 2016 17:21

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

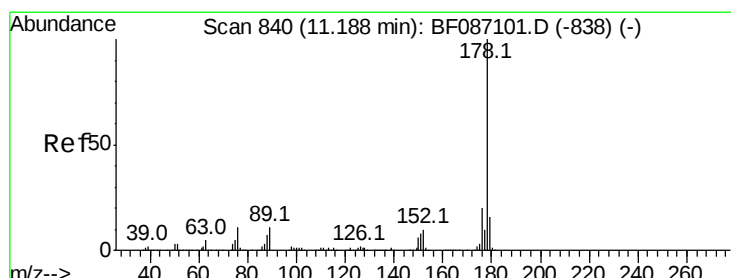
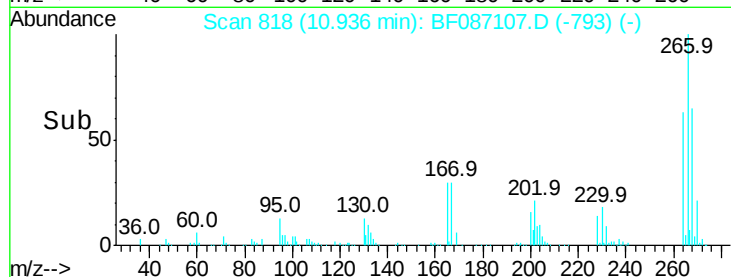
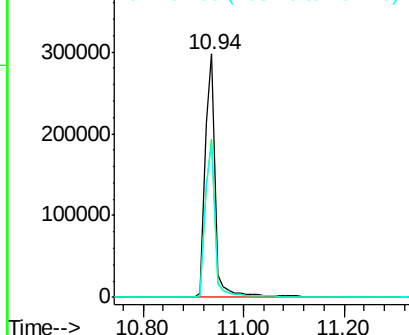
Tot Ion	Ratio	Resp	Lower	Upper
266	100	416272		
268	64.8	51.5	77.3	
264	63.3	52.9	79.3	

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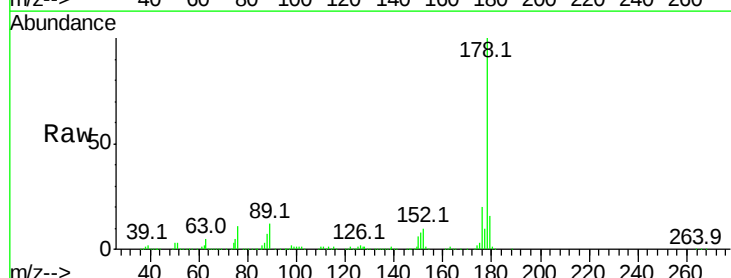


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

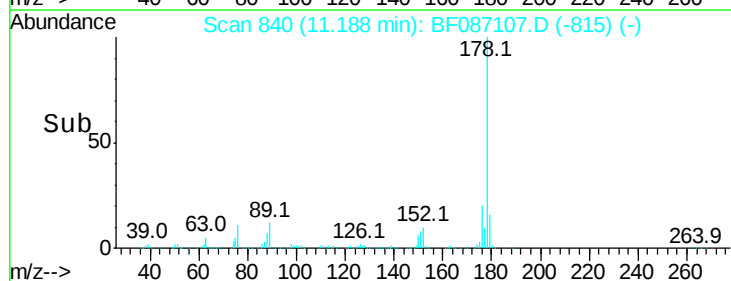
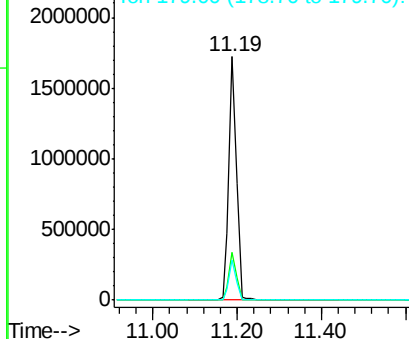


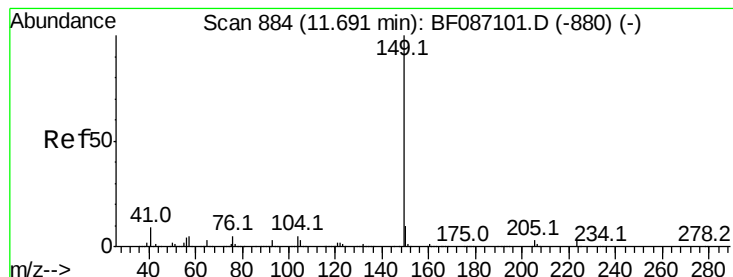
#71
 Anthracene
 Concen: 76.92 ng
 RT: 11.19 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BF087107.D
 Acq: 17 May 2016 17:21

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2150360		
176	19.9	15.6	23.4	
179	16.3	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





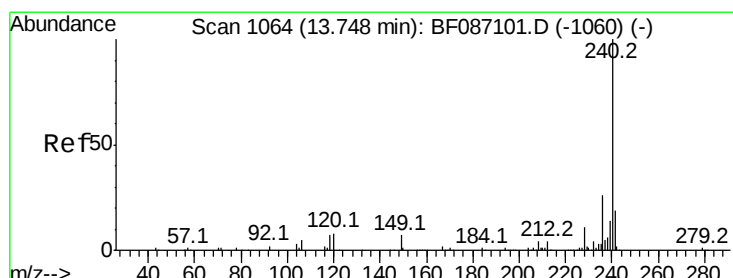
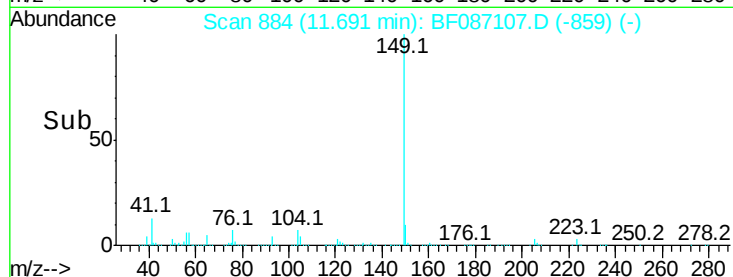
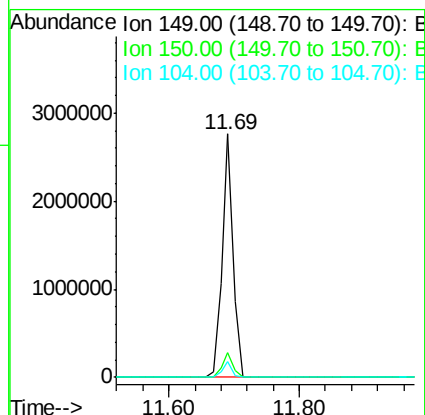
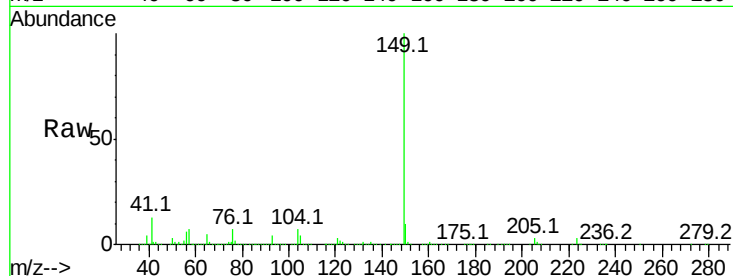
#73
Di-n-butylphthalate
Concen: 111.91 ng
RT: 11.69 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF087107.D
Acq: 17 May 2016 17:21

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

Tot Ion:149 Resp: 3282473
Ion Ratio Lower Upper
149 100
150 10.2 7.6 11.4
104 6.5 3.8 5.6#

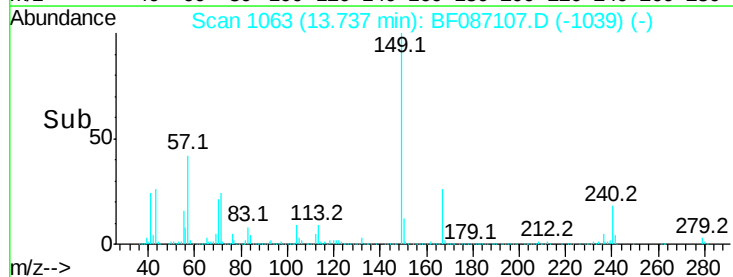
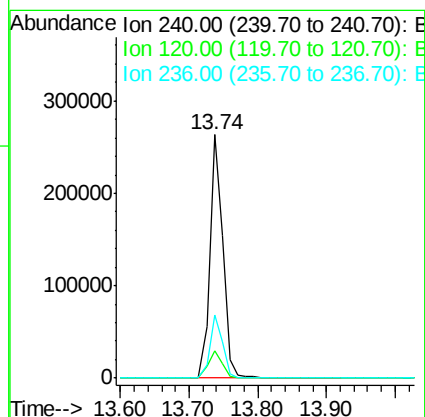
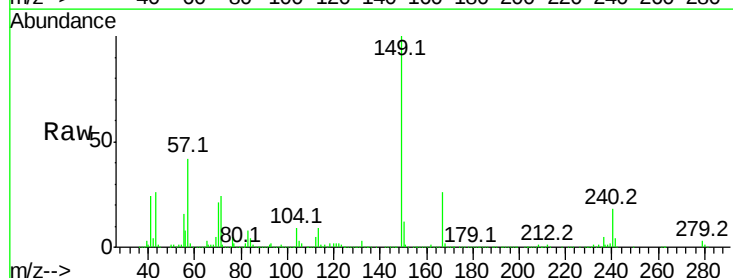
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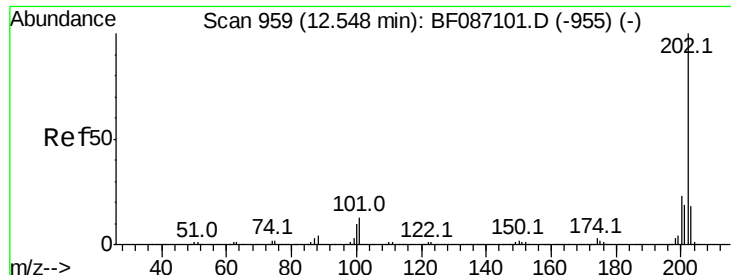
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.74 min Scan# 1063
Delta R.T. -0.02 min
Lab File: BF087107.D
Acq: 17 May 2016 17:21

Tgt Ion:240 Resp: 345160
Ion Ratio Lower Upper
240 100
120 11.4 11.2 16.8
236 25.7 21.2 31.8





#77

Pvrene

Concen: 149.07 ng

RT: 12.56 min Scan# 960

Delta R.T. 0.00 min

Lab File: BF087107.D

Acq: 17 May 2016 17:21

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tot Ion:202 Resp: 3716971

Ion Ratio Lower Upper

202 100

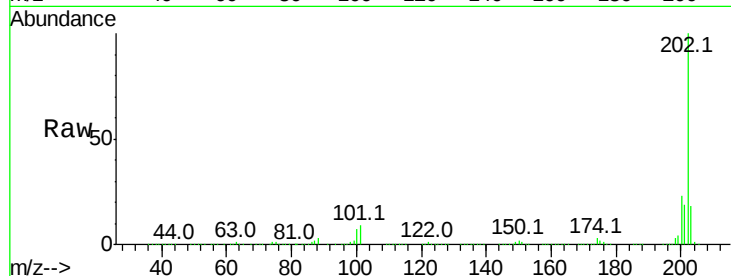
200 23.2 17.7 26.5

203 18.4 14.2 21.4

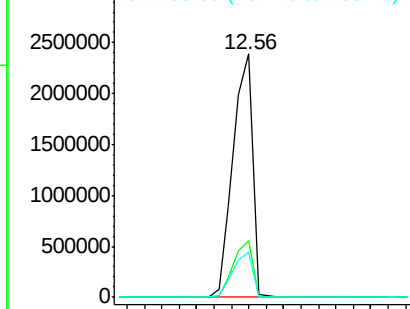
Manual Integrations
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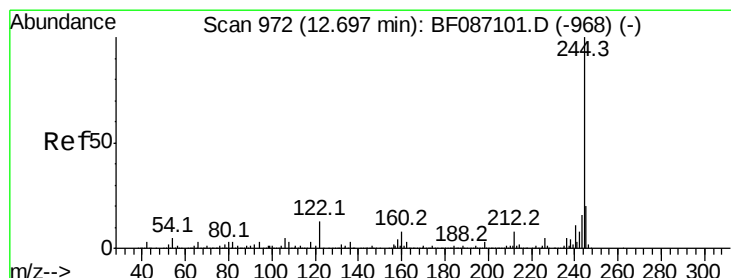
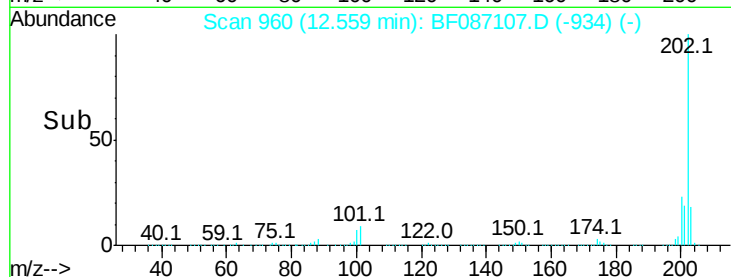
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 92.98 ng

RT: 12.70 min Scan# 972

Delta R.T. -0.01 min

Lab File: BF087107.D

Acq: 17 May 2016 17:21

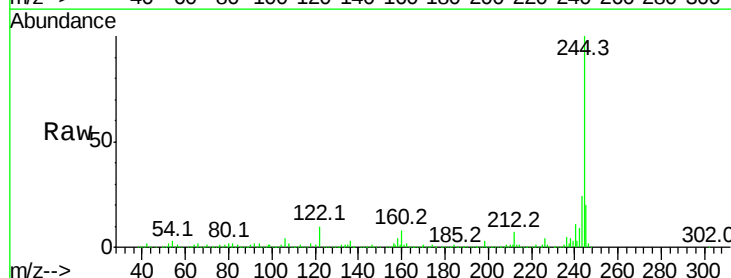
Tgt Ion:244 Resp: 1418791

Ion Ratio Lower Upper

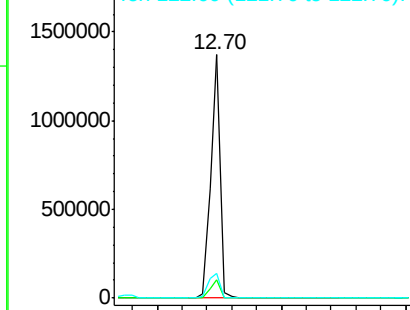
244 100

212 7.4 6.2 9.2

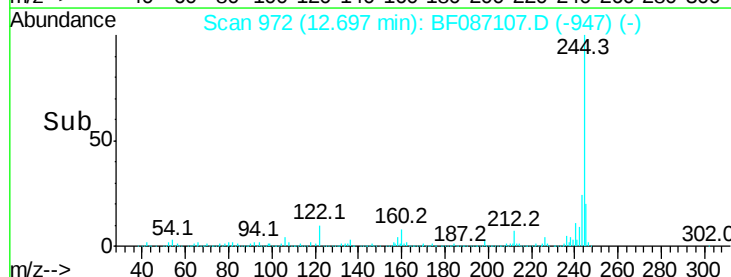
122 10.2 12.0 18.0#

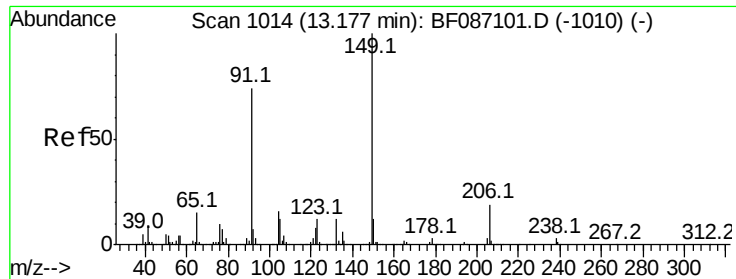


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->





#79

Butylbenzylphthalate

Concen: 95.81 ng

RT: 13.18 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF087107.D

Acq: 17 May 2016 17:21

Instrument :

BNA_F

ClientSampled :

PT-BNA-SOIL

Tot Ion:149 Resp: 1008499

Ion Ratio Lower Upper

149 100

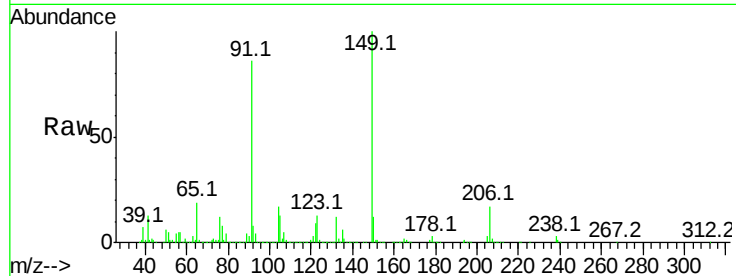
91 86.0 48.0 72.0#

206 17.3 15.8 23.6

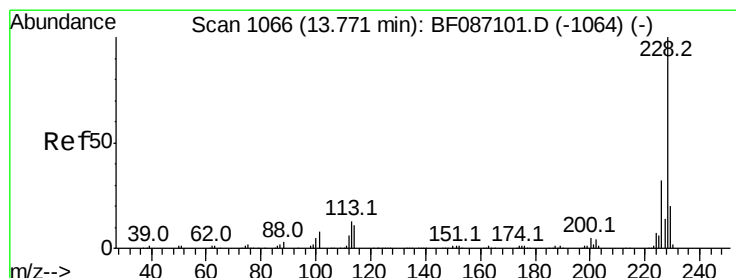
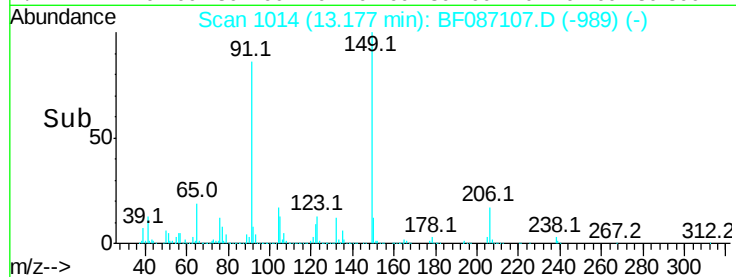
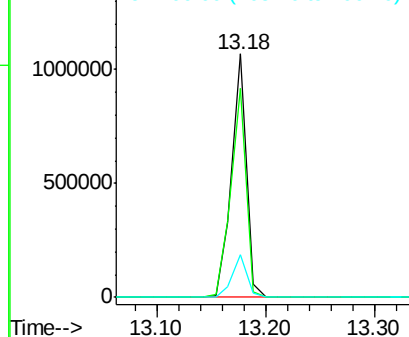
Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E



#82

Chrysene

Concen: 128.37 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BF087107.D

Acq: 17 May 2016 17:21

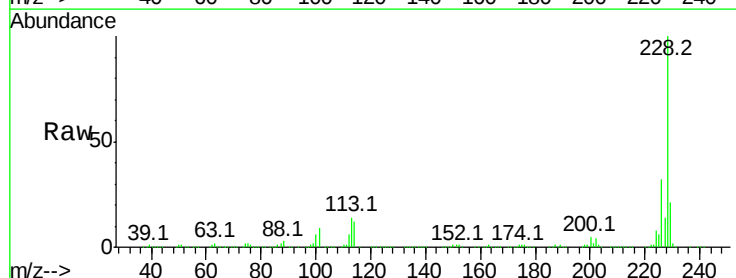
Tgt Ion:228 Resp: 2478662

Ion Ratio Lower Upper

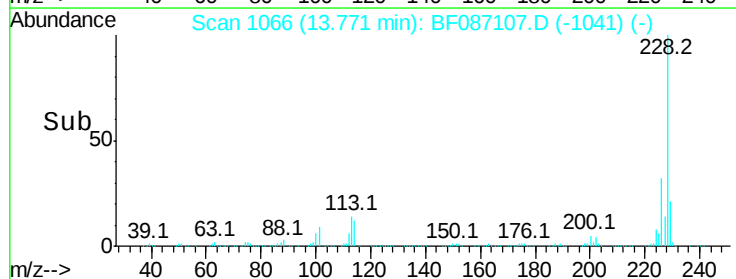
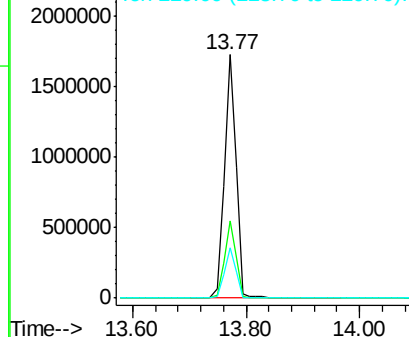
228 100

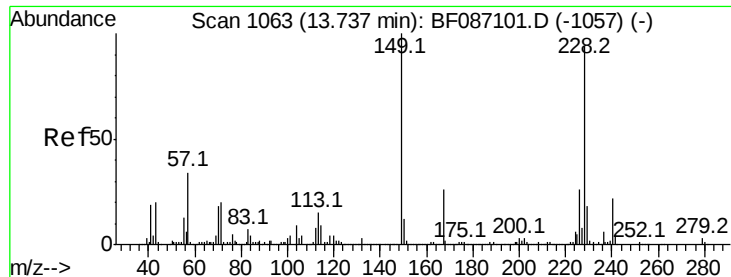
226 31.8 24.4 36.6

229 20.9 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#83
 Bis(2-ethylhexyl)phthalate
 Concen: 113.66 ng
 RT: 13.74 min Scan# 1063
 Delta R.T. -0.01 min
 Lab File: BF087107.D
 Acq: 17 May 2016 17:21

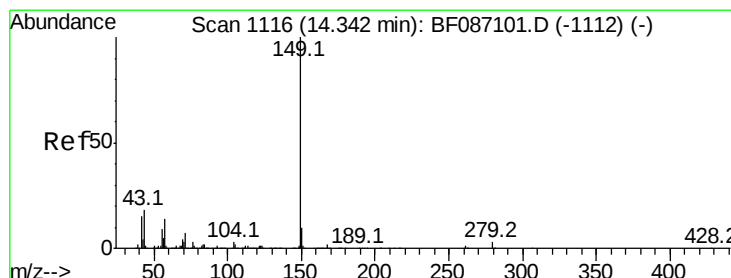
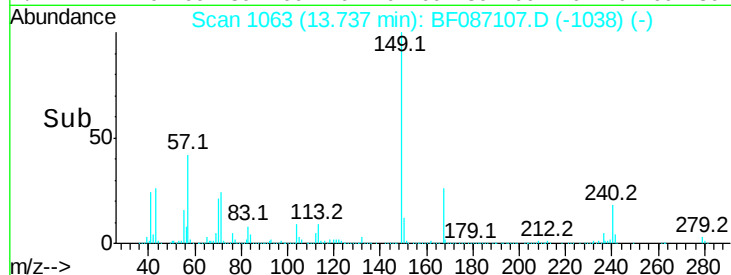
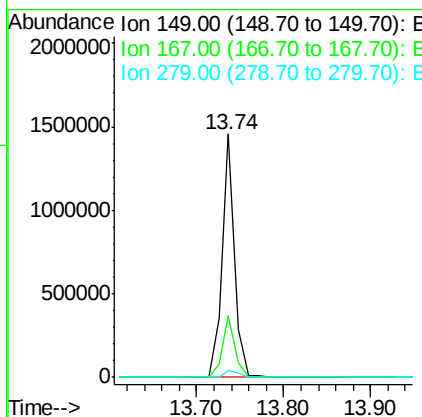
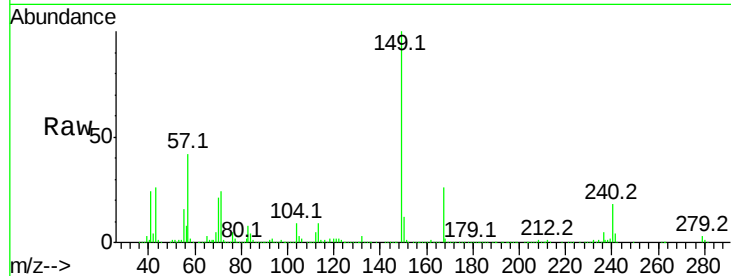
Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion:149 Resp: 1456061

Ion	Ratio	Lower	Upper
149	100		
167	25.5	21.8	32.6
279	3.0	2.6	4.0

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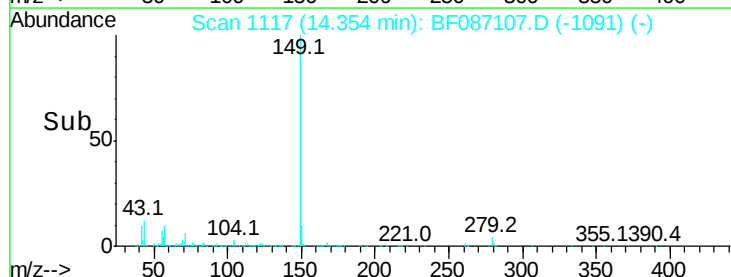
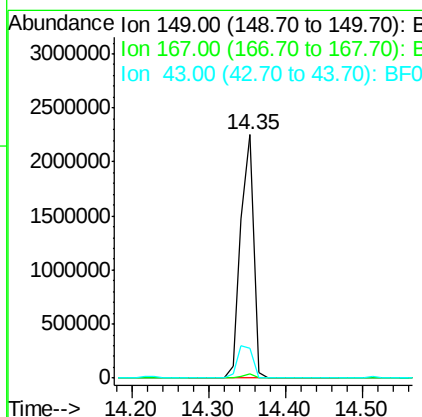
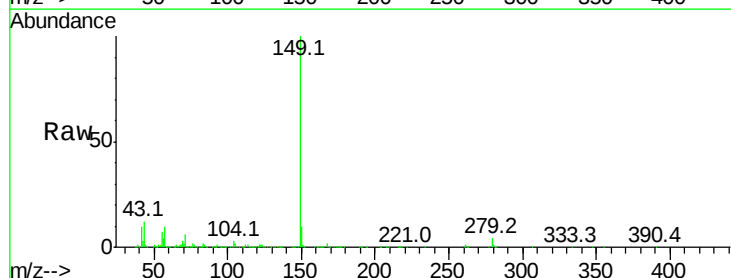
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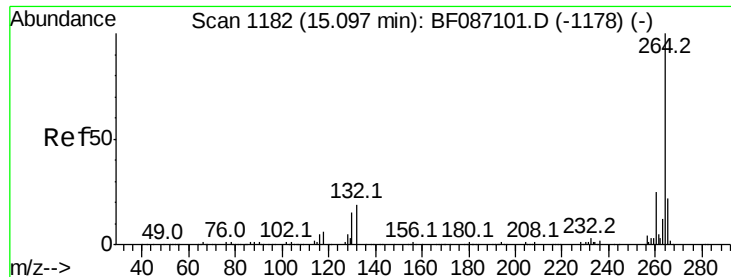


#84
 Di-n-octyl phthalate
 Concen: 121.58 ng
 RT: 14.35 min Scan# 1117
 Delta R.T. 0.00 min
 Lab File: BF087107.D
 Acq: 17 May 2016 17:21

Tgt Ion:149 Resp: 2683118

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	15.9	8.2	12.4#





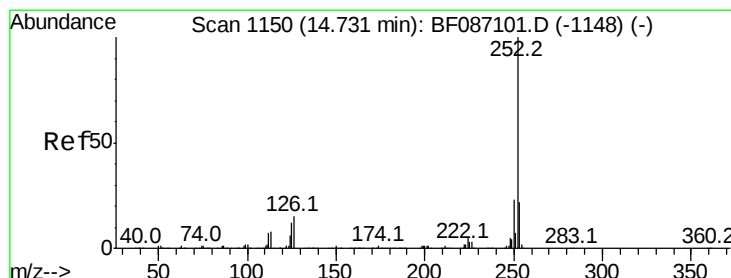
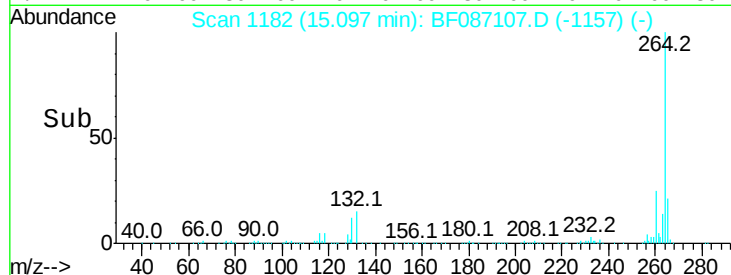
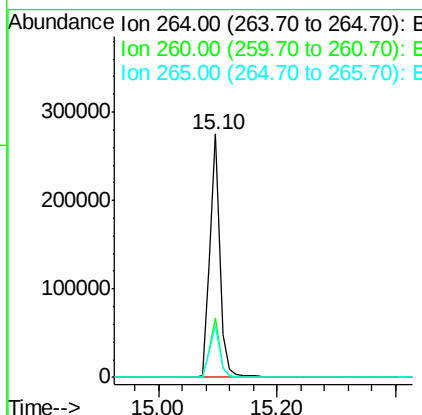
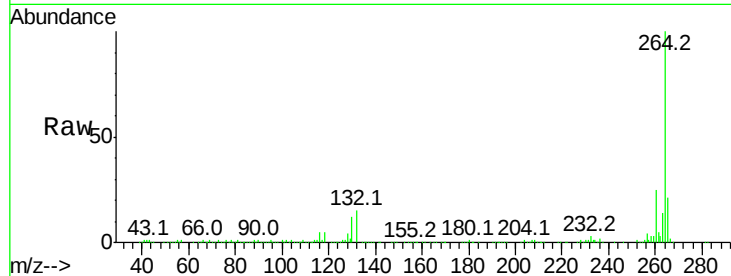
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.10 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF087107.D
Acq: 17 May 2016 17:21

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	21.2	17.3	25.9

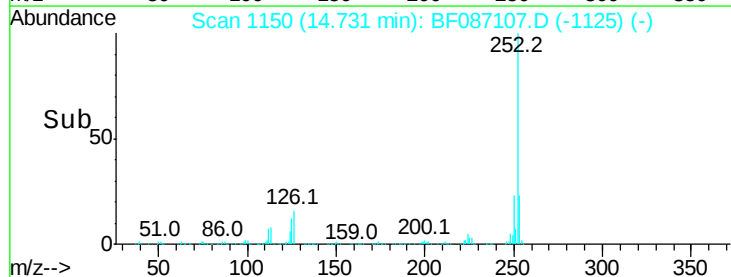
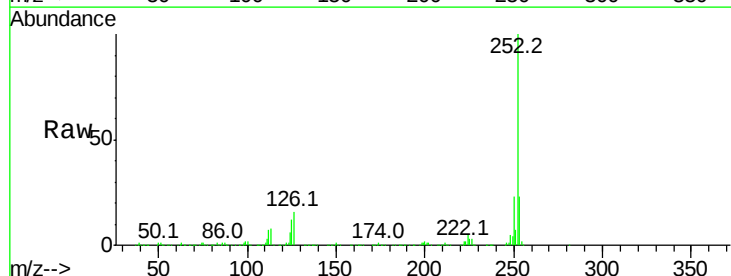
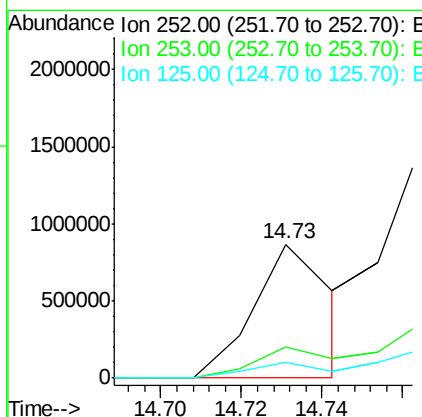
Manual Integrations
APPROVED

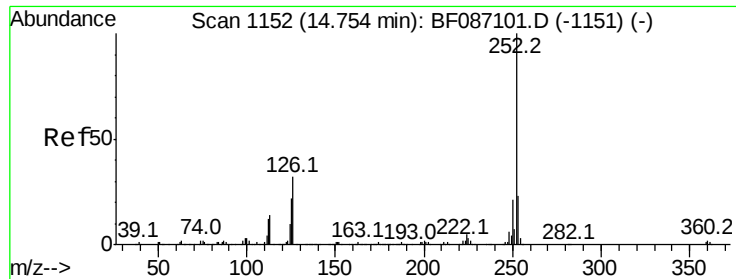
sohil
5/18/2016 6:57:26 PM



#87
Benzo(b)fluoranthene
Concen: 54.31 ng m
RT: 14.73 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF087107.D
Acq: 17 May 2016 17:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	12.1	11.4	17.0





#88

Benzo(k)fluoranthene

Concen: 147.59 ng m

RT: 14.77 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BF087107.D

Acq: 17 May 2016 17:21

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tot Ion:252 Resp: 2374969

Ion Ratio Lower Upper

252 100

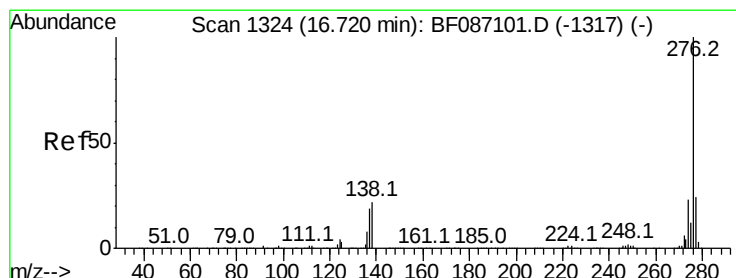
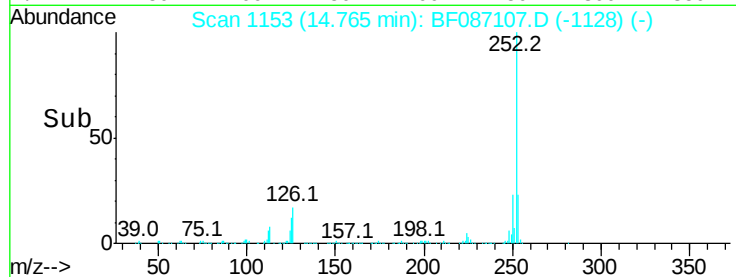
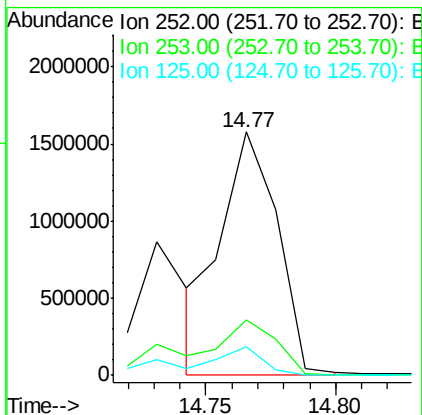
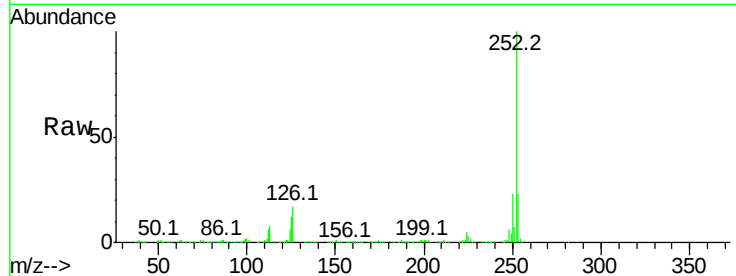
253 23.0 17.8 26.6

125 11.9 9.1 13.7

Manual Integrations
APPROVED

sohil

5/18/2016 6:57:26 PM



#91

Benzo(g,h,i)perylene

Concen: 71.21 ng

RT: 16.72 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BF087107.D

Acq: 17 May 2016 17:21

Tgt Ion:276 Resp: 1094125

Ion Ratio Lower Upper

276 100

277 23.7 19.6 29.4

138 20.9 23.6 35.4#

