

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042219\
 Data File : BF113888.D
 Acq On : 22 Apr 2019 20:05
 Operator : JU/SJ
 Sample : K2485-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

Quant Time: Apr 23 03:55:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	179129	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	682944	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	353852	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	669130	20.00	ng	0.00
76) Chrysene-d12	14.06	240	482794	20.00	ng	-0.01
87) Perylene-d12	15.55	264	509226	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	1103475	105.36	ng	0.00
7) Phenol-d6	6.52	99	1432411	109.01	ng	0.00
23) Nitrobenzene-d5	7.45	82	869290	78.59	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	466634	108.25	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1343347	59.38	ng	0.00
79) Terphenyl-d14	13.00	244	1528217	64.89	ng	0.00

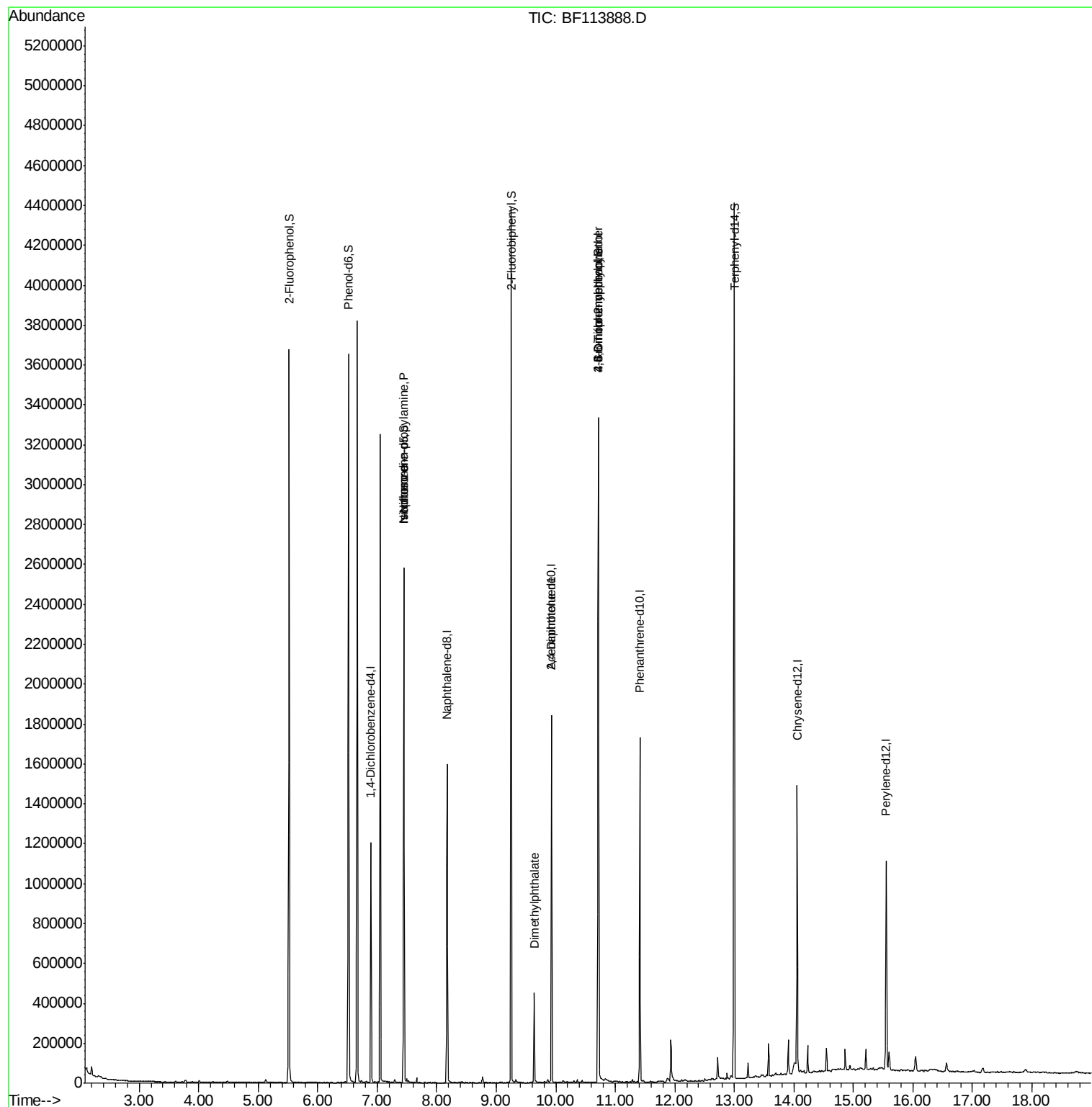
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	2045	Below Cal		# 3
19) n-Nitroso-di-n-propylamine	7.45	70	115338	13.554	ng	# 79
25) Isophorone	7.45	82	867051	38.310	ng	# 65
50) Dimethylphthalate	9.64	163	181322	7.085	ng	# 98
57) 2,4-Dinitrotoluene	9.93	165	45878	6.620	ng	# 29
65) 4,6-Dinitro-2-methylphenol	10.72	198	862	7.546	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	28453	3.520	ng	# 1

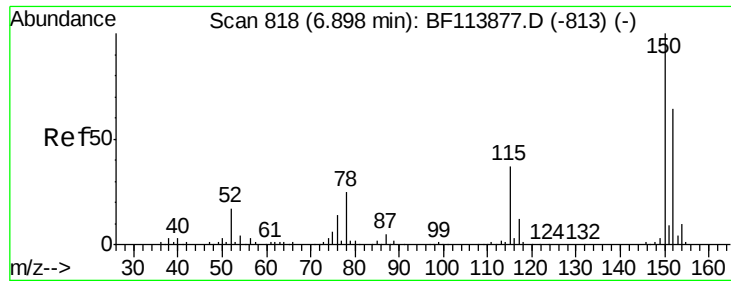
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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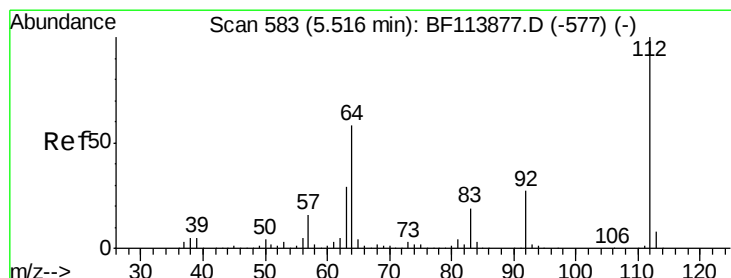
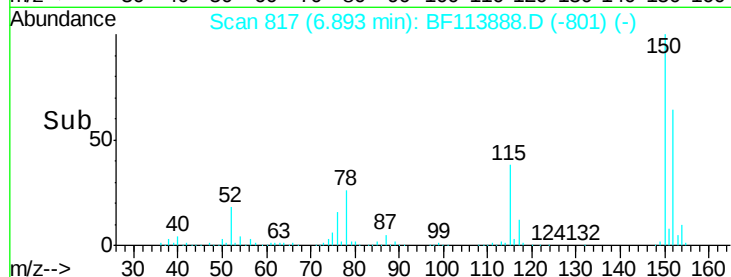
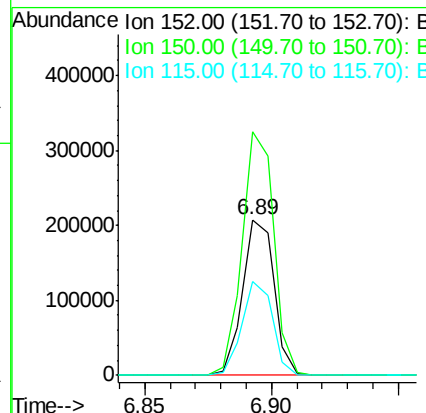
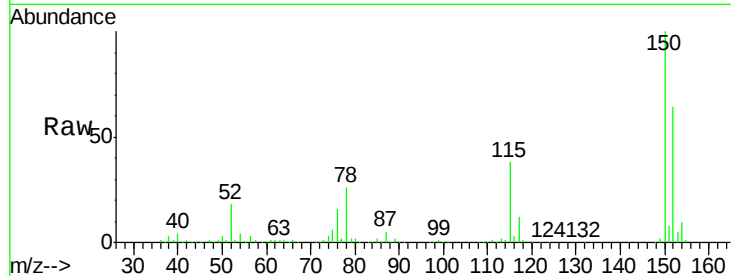


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF113888.D
Acq: 22 Apr 2019 20:05

Instrument :
BNA_F
ClientSampleId :
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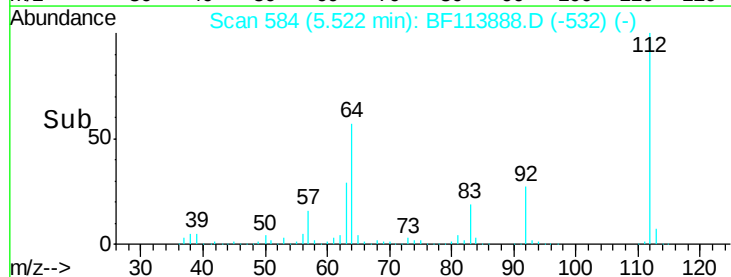
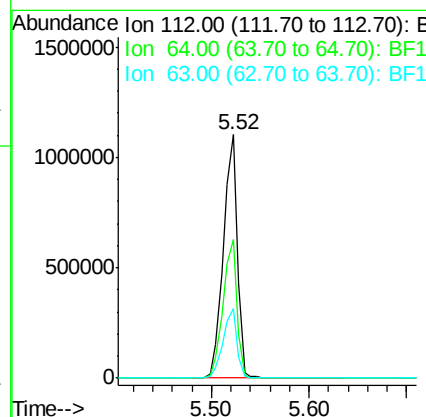
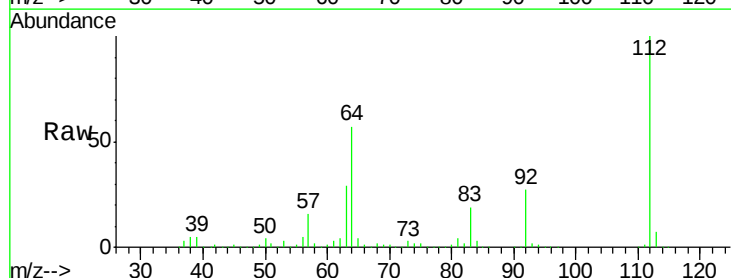
Tot Ion:152 Resp: 179129
Ion Ratio Lower Upper
152 100
150 156.8 125.9 188.9
115 60.3 45.9 68.9

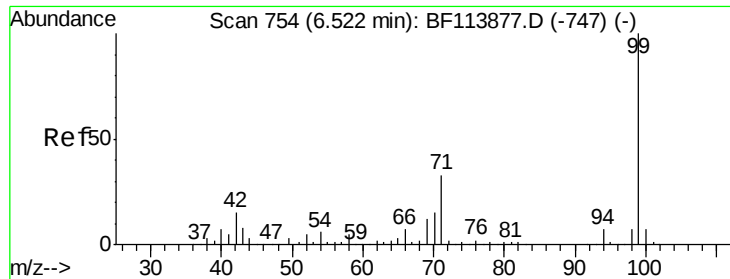


#5

2-Fluorophenol
Concen: 105.362 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF113888.D
Acq: 22 Apr 2019 20:05

Tgt Ion:112 Resp: 1103475
Ion Ratio Lower Upper
112 100
64 57.1 46.6 69.8
63 28.7 23.1 34.7





#7

Phenol-d6

Concen: 109.013 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF113888.D

Acq: 22 Apr 2019 20:05

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

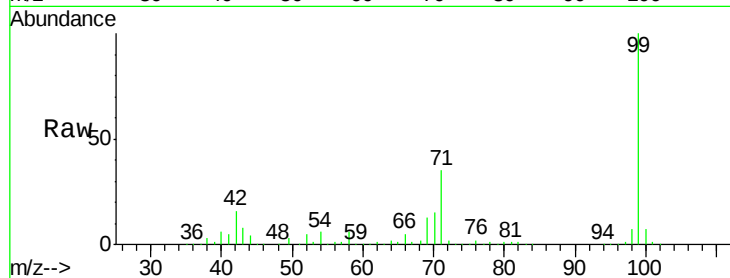
Tot Ion: 99 Resp: 1432411

Ion Ratio Lower Upper

99 100

42 15.7 12.5 18.7

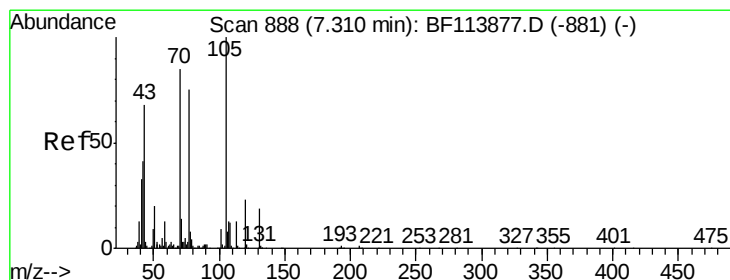
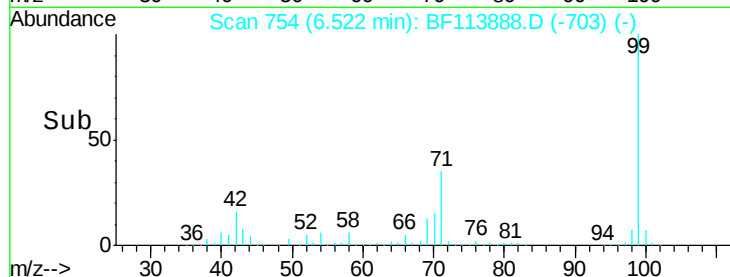
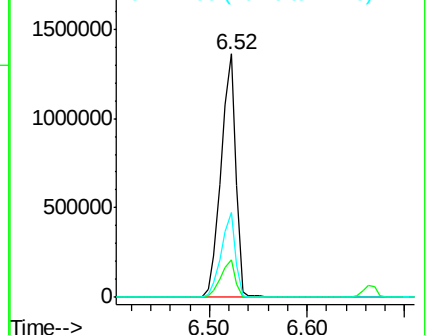
71 34.7 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 13.554 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113888.D

Acq: 22 Apr 2019 20:05

Tgt Ion: 70 Resp: 115338

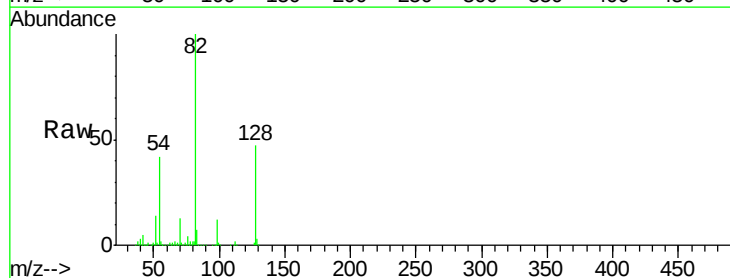
Ion Ratio Lower Upper

70 100

42 40.2 37.3 55.9

101 0.0 7.8 11.8#

130 2.1 18.2 27.2#

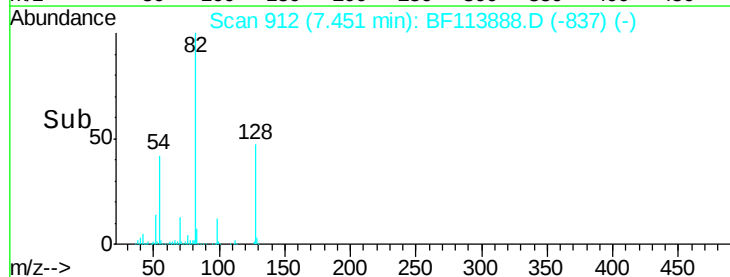
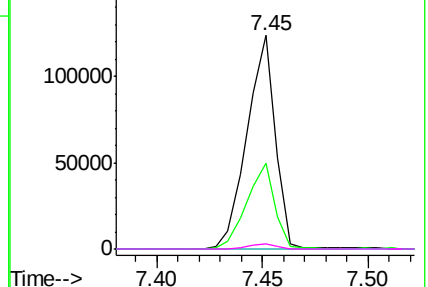


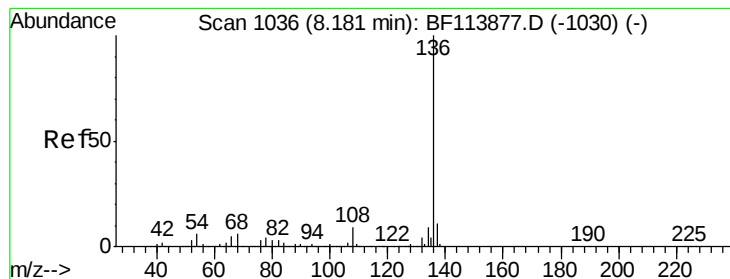
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF113888.D

Acq: 22 Apr 2019 20:05

Instrument :

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Tot Ion:136 Resp: 682944

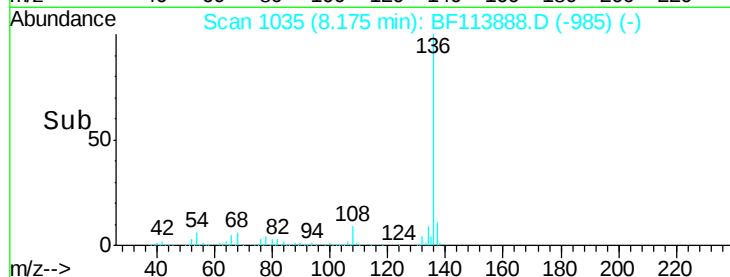
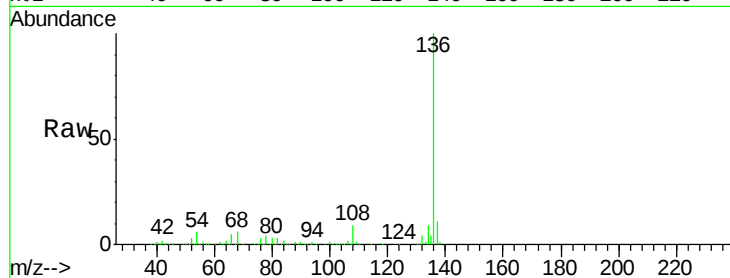
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 6.3 5.0 7.6

68 6.2 4.9 7.3

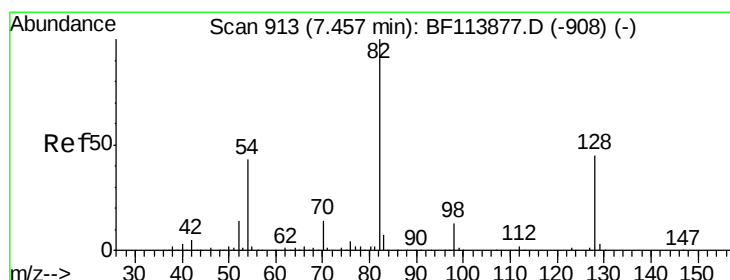
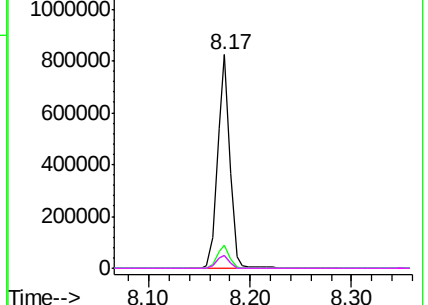


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 78.591 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113888.D

Acq: 22 Apr 2019 20:05

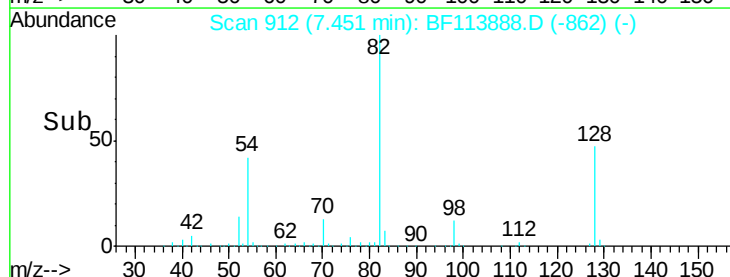
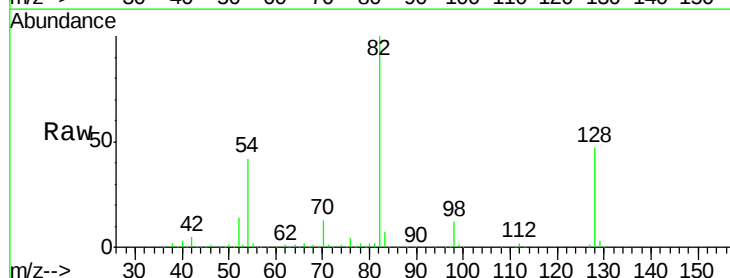
Tgt Ion: 82 Resp: 869290

Ion Ratio Lower Upper

82 100

128 46.7 36.8 55.2

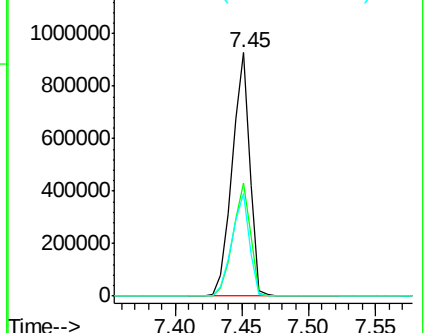
54 42.1 33.8 50.6



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.310 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113888.D

Acq: 22 Apr 2019 20:05

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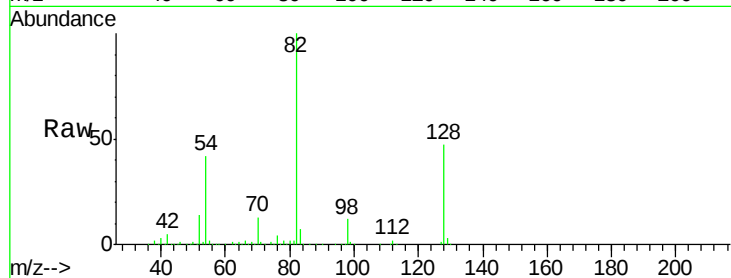
Tot Ion: 82 Resp: 867051

Ion Ratio Lower Upper

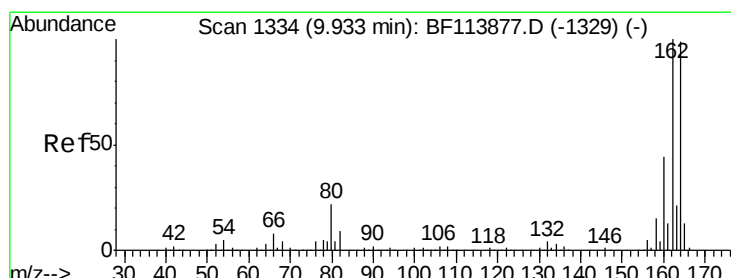
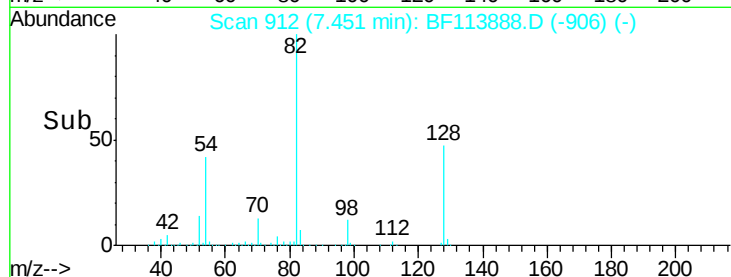
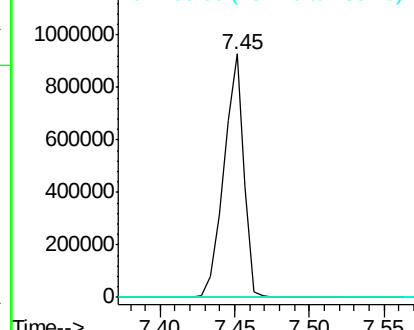
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF113888.D

Acq: 22 Apr 2019 20:05

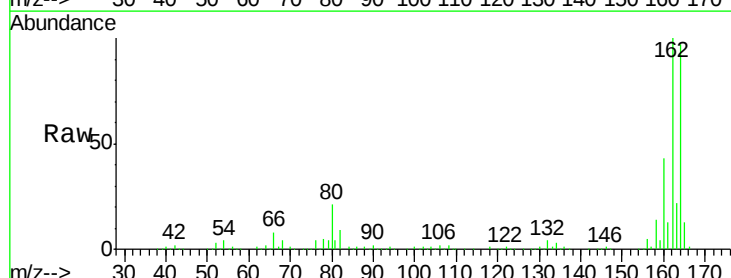
Tgt Ion:164 Resp: 353852

Ion Ratio Lower Upper

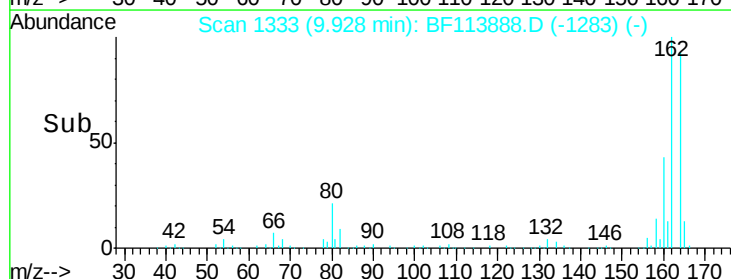
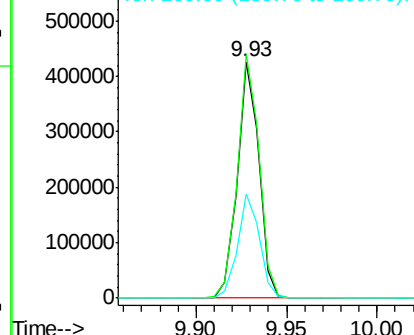
164 100

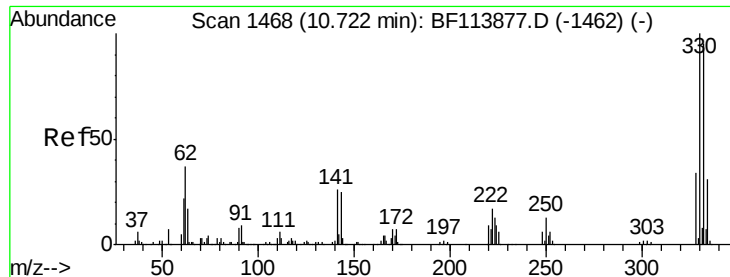
162 102.9 81.1 121.7

160 43.9 35.8 53.6



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 108.252 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF113888.D

Acq: 22 Apr 2019 20:05

Instrument :

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ClientSampleId :

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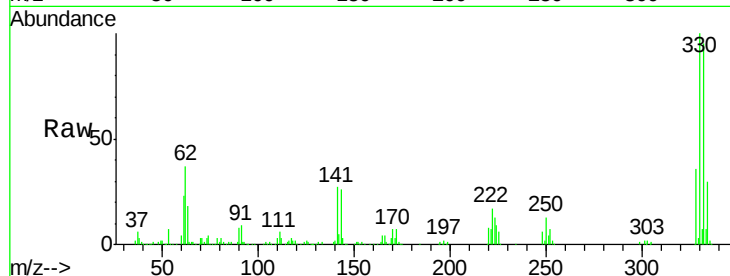
Tot Ion:330 Resp: 466634

Ion Ratio Lower Upper

330 100

332 96.4 77.5 116.3

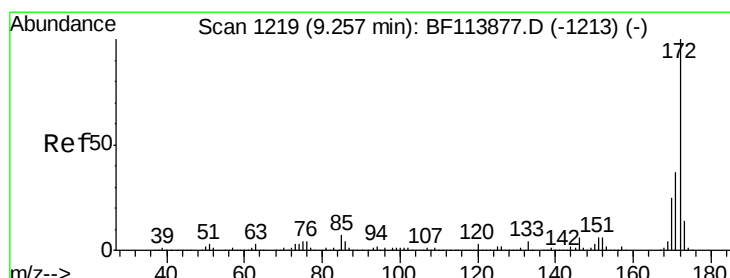
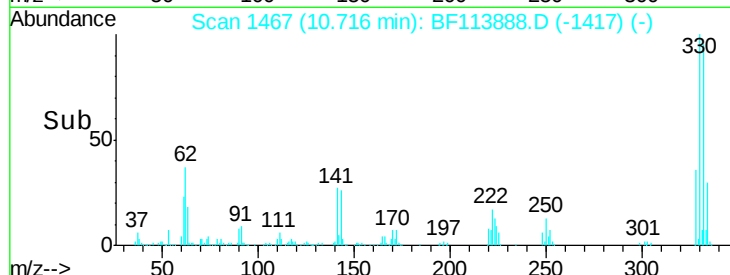
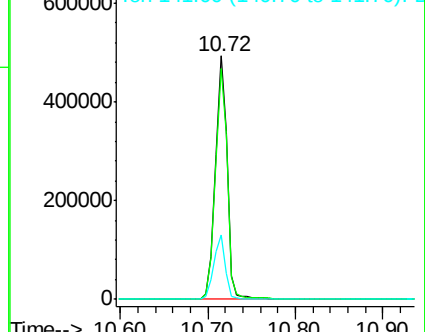
141 25.9 22.2 33.2



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



#45

2-Fluorobiphenyl

Concen: 59.376 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BF113888.D

Acq: 22 Apr 2019 20:05

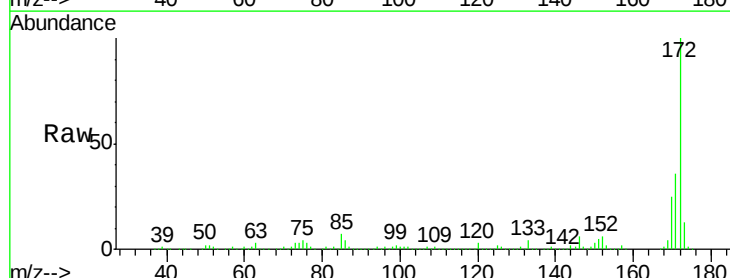
Tgt Ion:172 Resp: 1343347

Ion Ratio Lower Upper

172 100

171 36.5 29.4 44.0

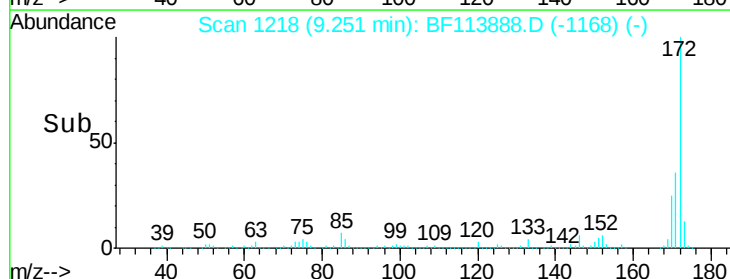
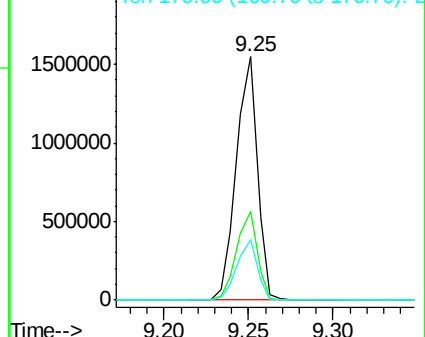
170 24.7 19.9 29.9

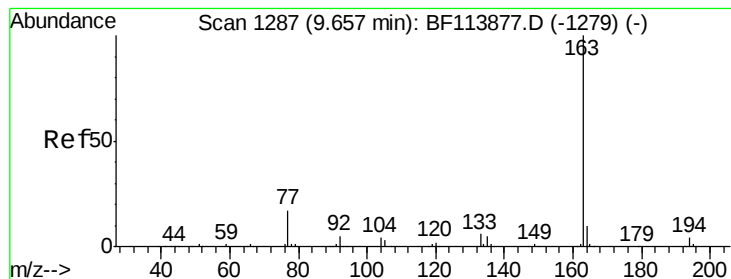


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 7.085 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF113888.D

Acq: 22 Apr 2019 20:05

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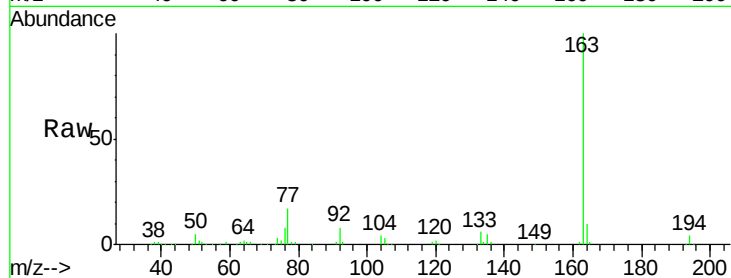
Tot Ion:163 Resp: 181322

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

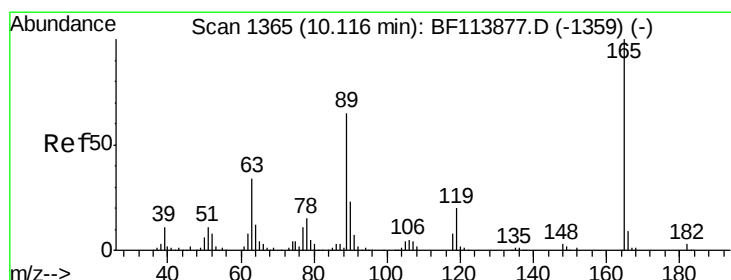
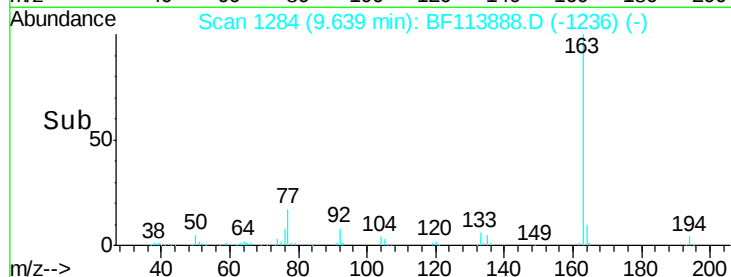
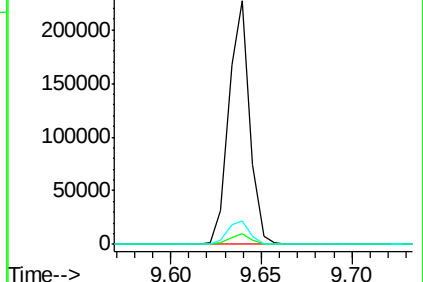
164 9.6 8.5 12.7



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



#57

2,4-Dinitrotoluene

Concen: 6.620 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.19 min

Lab File: BF113888.D

Acq: 22 Apr 2019 20:05

Tgt Ion:165 Resp: 45878

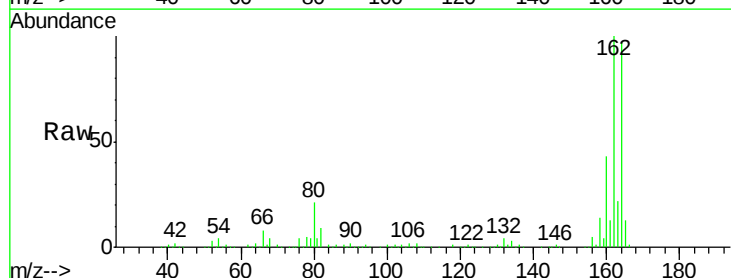
Ion Ratio Lower Upper

165 100

63 0.8 27.4 41.0#

89 1.1 51.8 77.6#

182 0.0 2.2 3.2#

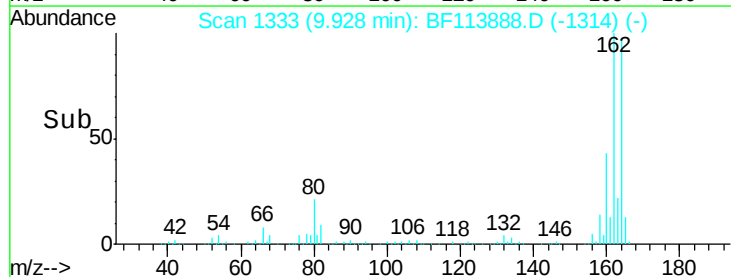
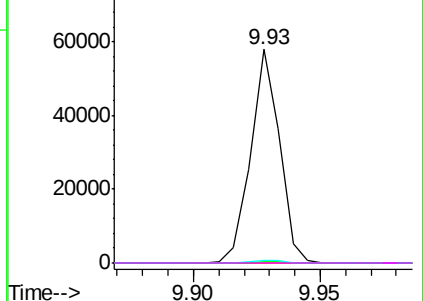


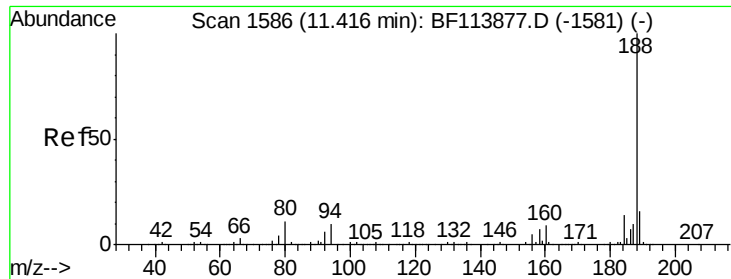
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

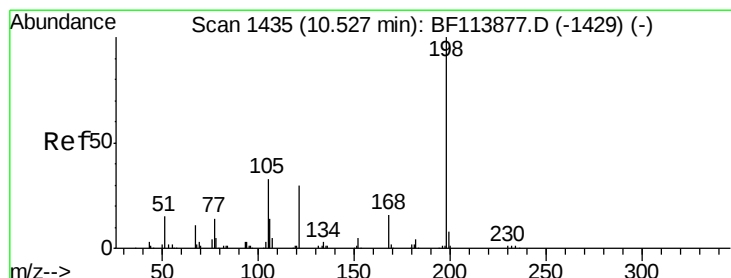
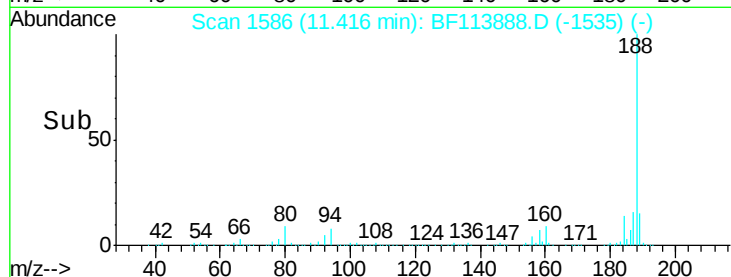
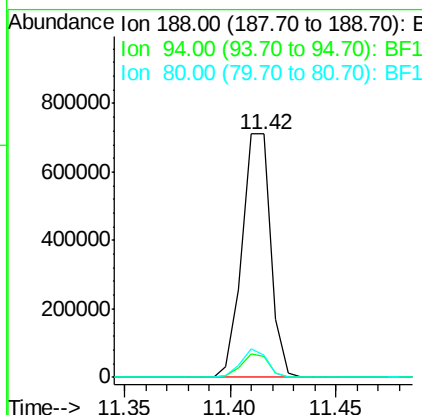
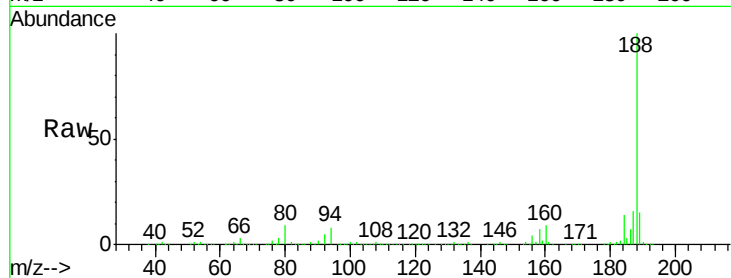




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: BF113888.D
 Acq: 22 Apr 2019 20:05

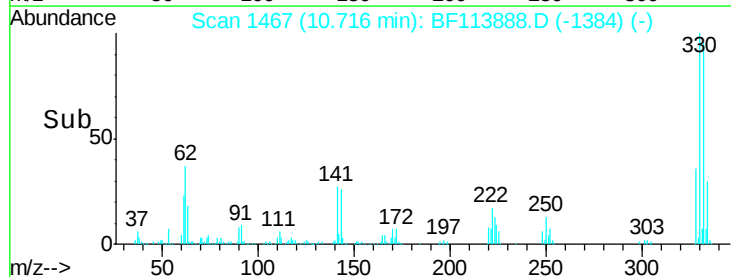
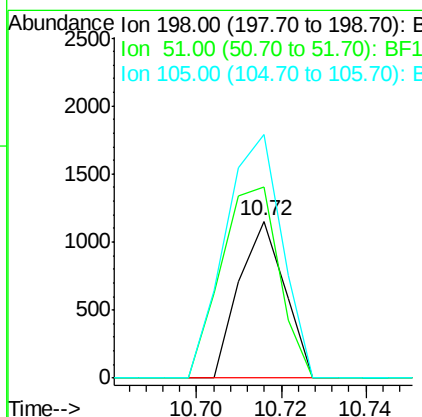
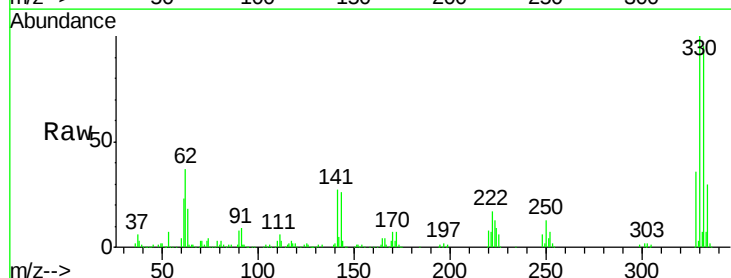
Instrument :
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 ClientSampleId :
 SOIL-CUTTINGS

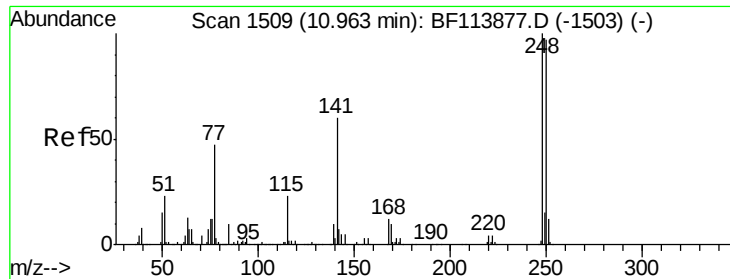
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.3	8.2	12.4
80	9.1	9.0	13.6



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.546 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.19 min
 Lab File: BF113888.D
 Acq: 22 Apr 2019 20:05

Tgt Ion	Ratio	Lower	Upper
198	100		
51	122.3	11.1	51.1#
105	155.3	20.7	60.7#

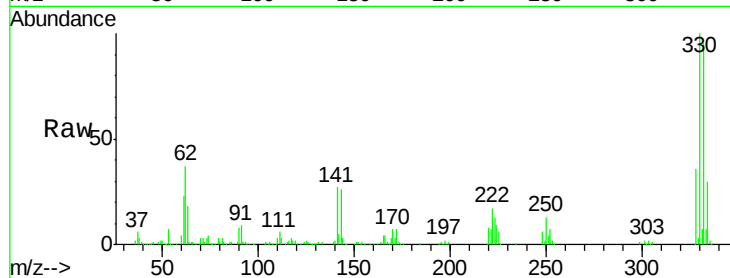




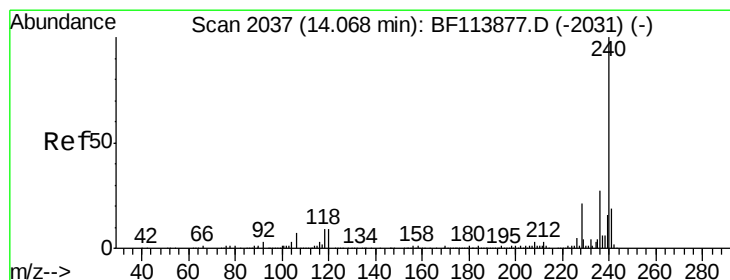
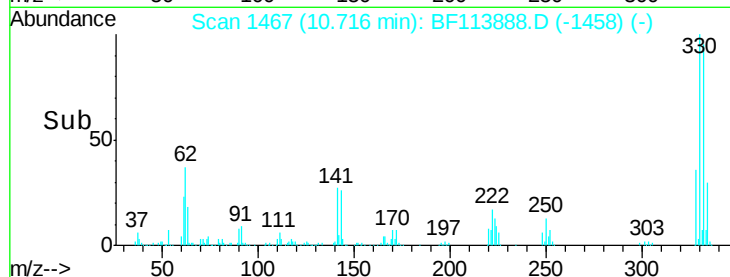
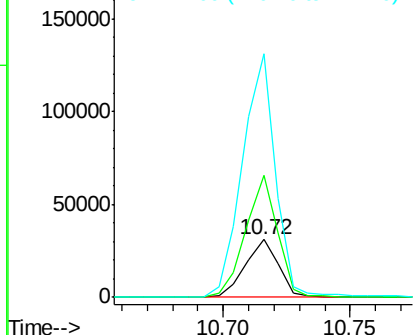
#67
4-Bromophenyl-phenylether
Concen: 3.520 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.25 min
Lab File: BF113888.D
Acq: 22 Apr 2019 20:05

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS

Tot Ion:248 Resp: 28453
Ion Ratio Lower Upper
248 100
250 212.8 75.8 113.6#
141 422.7 50.2 75.4#

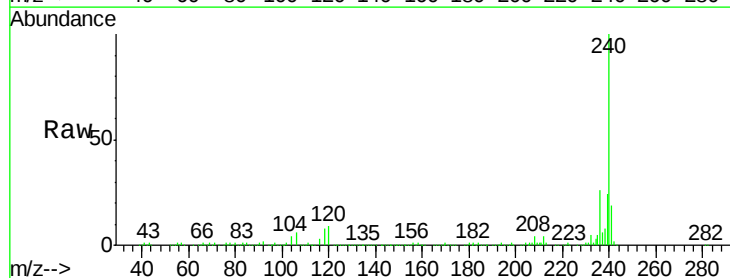


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

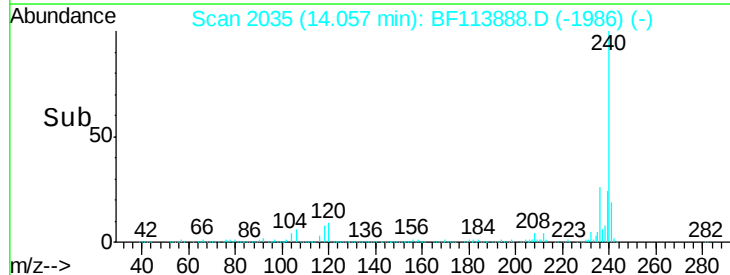
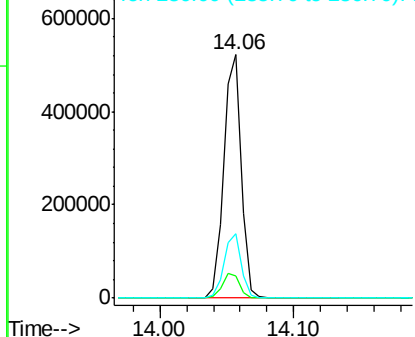


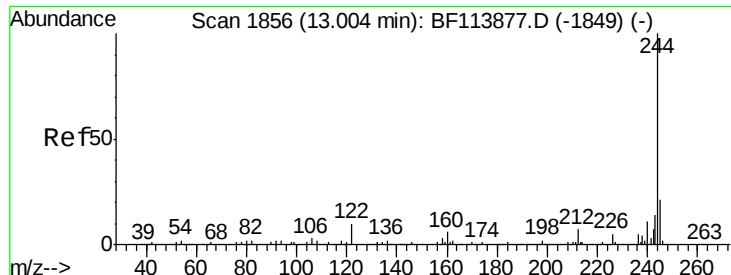
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF113888.D
Acq: 22 Apr 2019 20:05

Tgt Ion:240 Resp: 482794
Ion Ratio Lower Upper
240 100
120 8.9 9.3 13.9#
236 26.5 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 64.894 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF113888.D

Acq: 22 Apr 2019 20:05

Instrument :

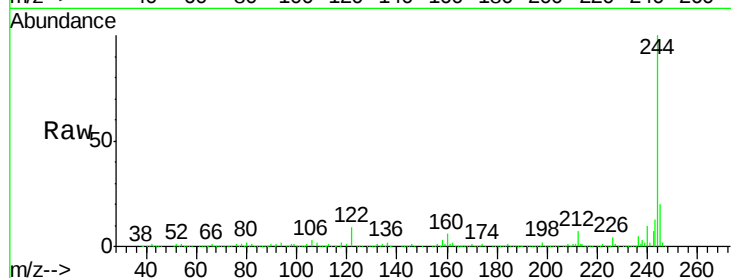
BNA_F

ClientSampleId :

SOIL-CUTTINGS

Tot Ion:244 Resp: 1528217

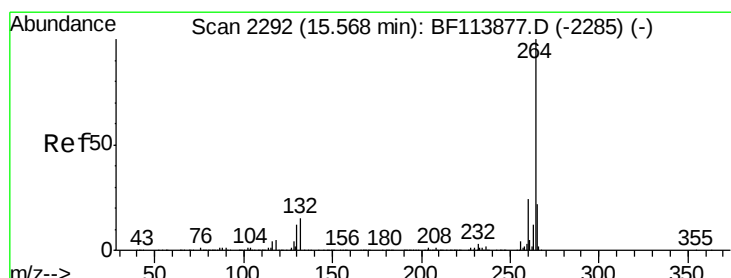
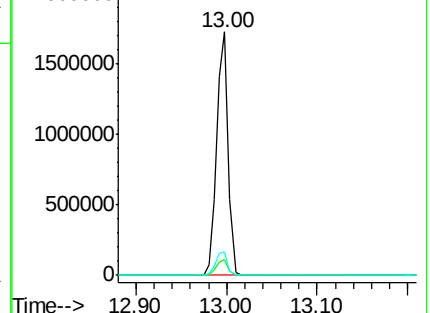
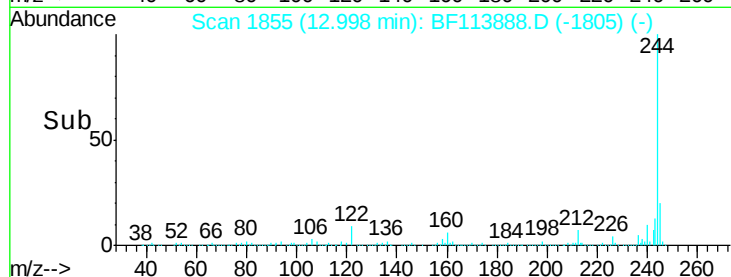
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.2
122	9.4	7.6	11.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.55 min Scan# 2289

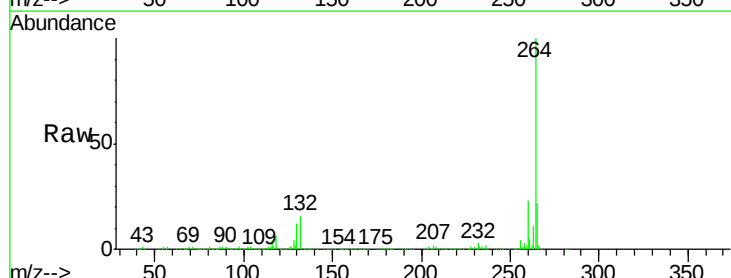
Delta R.T. -0.02 min

Lab File: BF113888.D

Acq: 22 Apr 2019 20:05

Tgt Ion:264 Resp: 509226

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	21.7	17.3	25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

