

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
 Data File : BF113529.D
 Acq On : 3 Apr 2019 3:46
 Operator : JU/SJ
 Sample : K2186-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-TRACK-86-87-SOIL

Quant Time: Apr 03 08:01:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

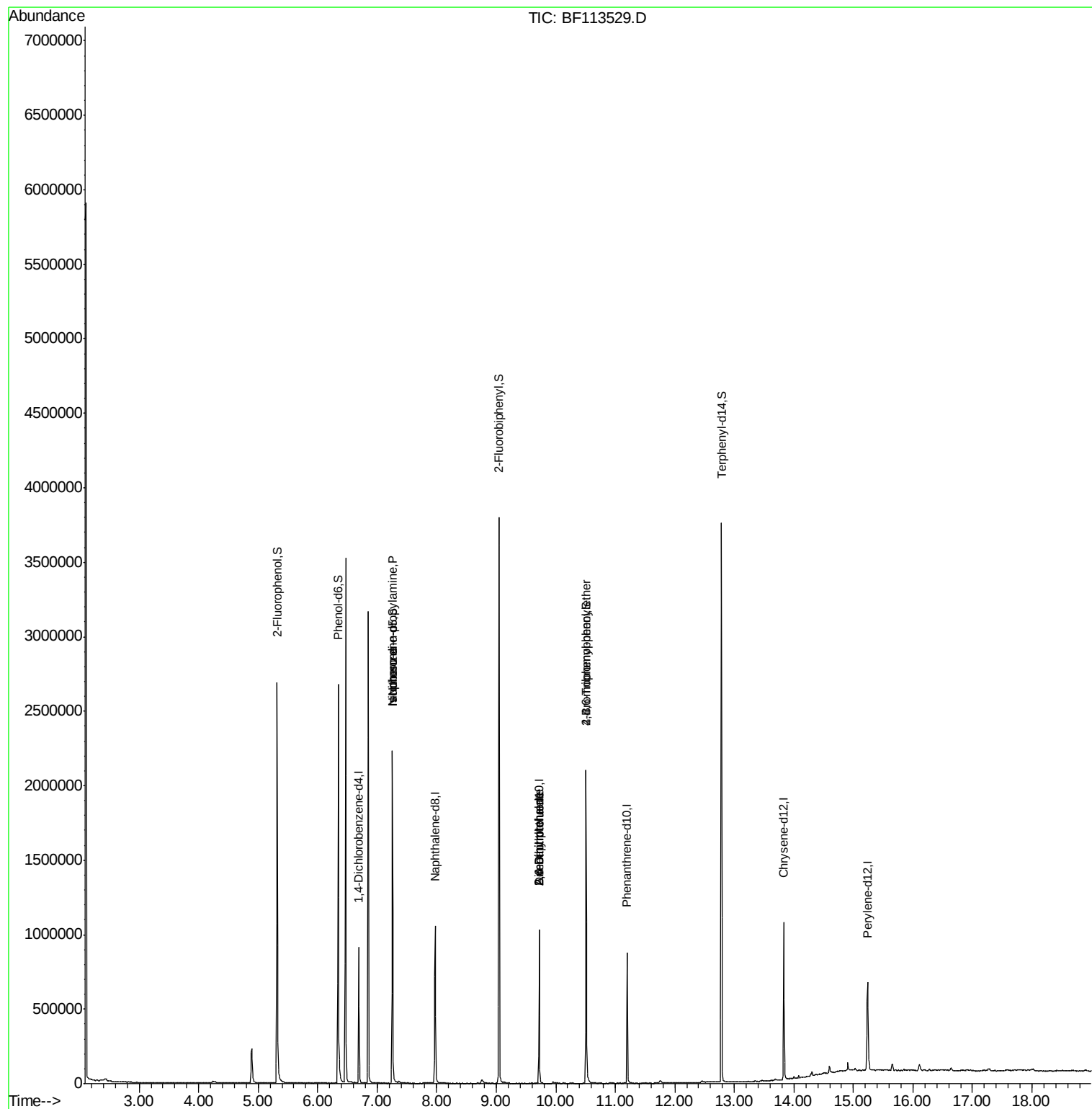
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	134719	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	475046	20.00	ng	-0.01
39) Acenaphthene-d10	9.72	164	201165	20.00	ng	-0.02
64) Phenanthrene-d10	11.20	188	350475	20.00	ng	-0.02
76) Chrysene-d12	13.83	240	360439	20.00	ng	-0.01
87) Perylene-d12	15.24	264	273435	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	849388	103.09	ng	0.00
7) Phenol-d6	6.35	99	956922	91.81	ng	-0.01
23) Nitrobenzene-d5	7.26	82	726028	90.71	ng	-0.01
42) 2,4,6-Tribromophenol	10.51	330	290458	116.89	ng	-0.02
45) 2-Fluorobiphenyl	9.05	172	1339710	109.46	ng	-0.01
79) Terphenyl-d14	12.79	244	1394702	85.29	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	94101	14.373	ng	# 76
25) Isophorone	7.26	82	720451	46.449	ng	# 64
50) Dimethylphthalate	9.72	163	52593	3.528	ng	# 1
51) 2,6-Dinitrotoluene	9.72	165	25356	7.539	ng	# 26
57) 2,4-Dinitrotoluene	9.72	165	25356	5.929	ng	# 23
67) 4-Bromophenyl-phenylether	10.51	248	16142	4.226	ng	# 1

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

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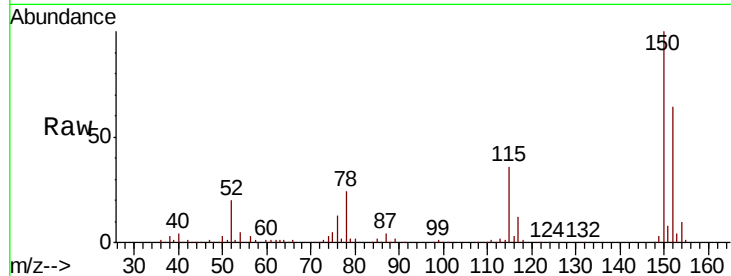


#1

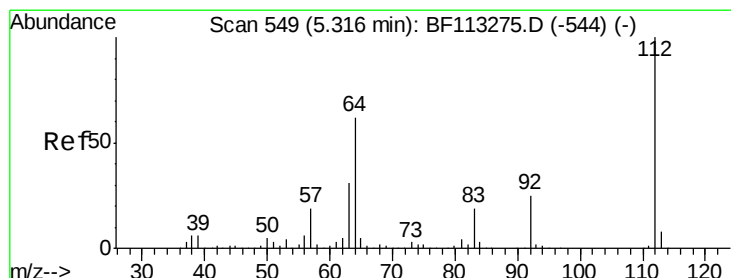
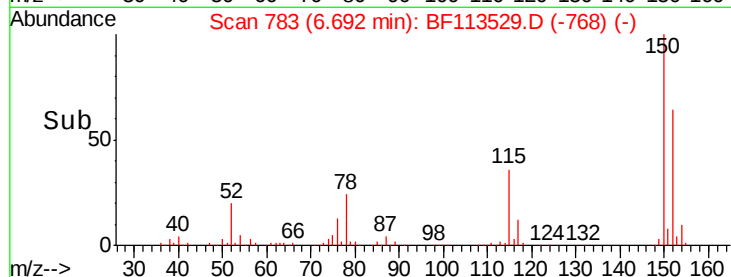
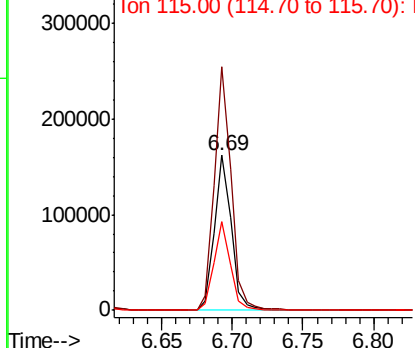
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF113529.D
Acq: 3 Apr 2019 3:46

Instrument :
BNA_F
ClientSampleId :
TP-TRACK-86-87-SOIL

Tgt Ion:152 Resp: 134719
Ion Ratio Lower Upper
152 100
150 157.0 124.7 187.1
115 57.0 46.0 69.0



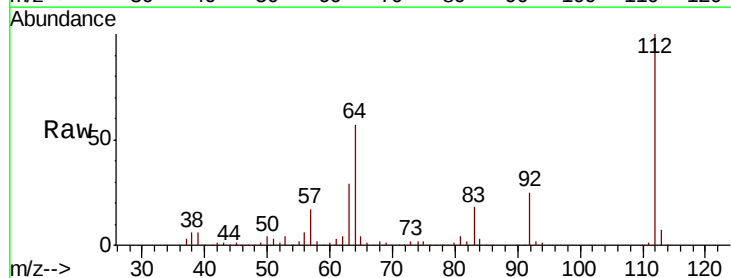
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



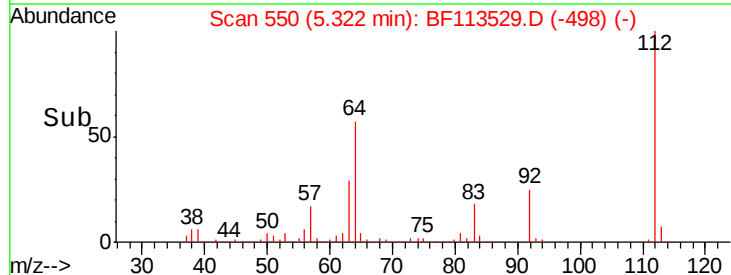
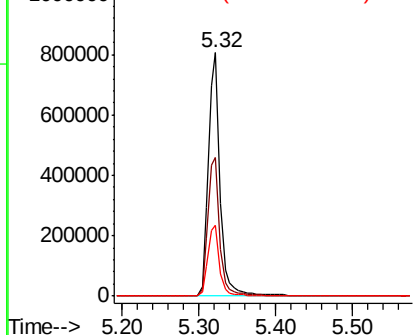
#5

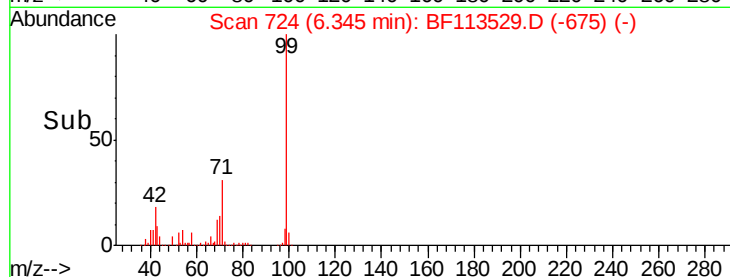
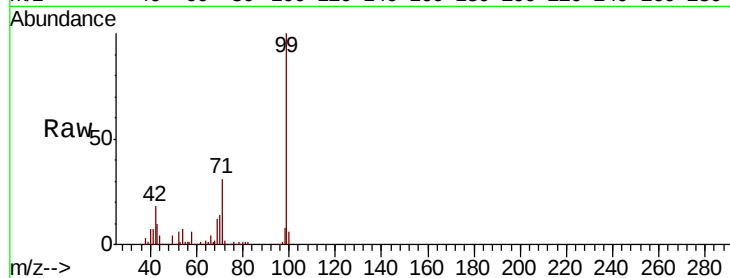
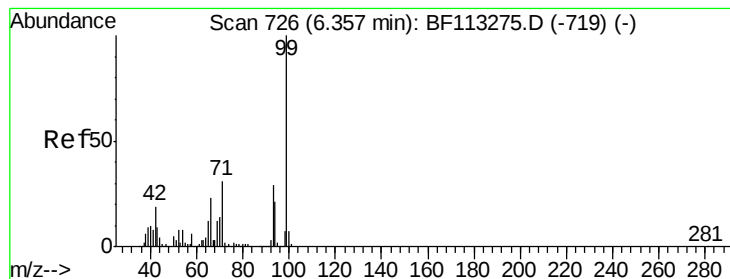
2-Fluorophenol
Concen: 103.092 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF113529.D
Acq: 3 Apr 2019 3:46

Tgt Ion:112 Resp: 849388
Ion Ratio Lower Upper
112 100
64 57.0 49.2 73.8
63 29.2 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 91.810 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113529.D

Acq: 3 Apr 2019 3:46

Instrument :

BNA_F

ClientSampleId :

TP-TRACK-86-87-SOIL

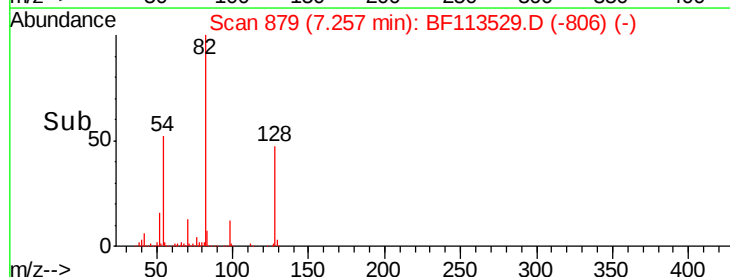
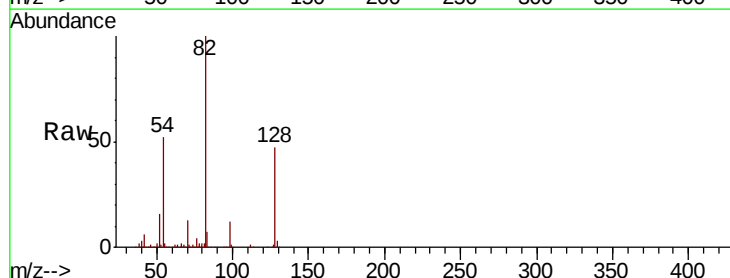
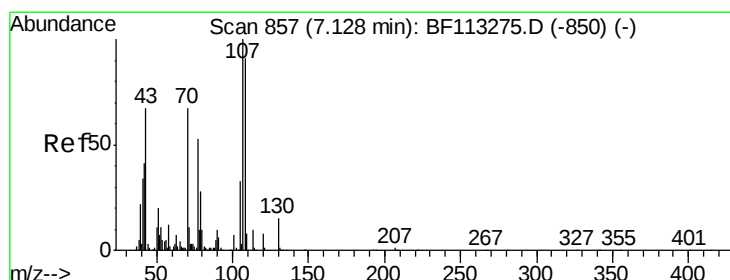
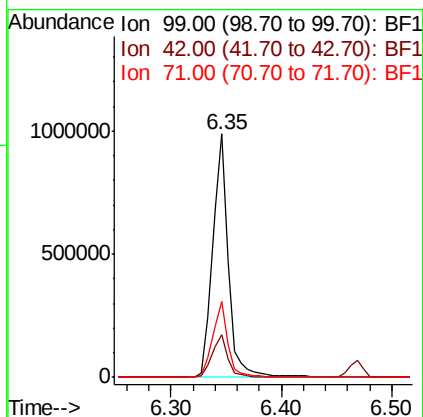
Tgt Ion: 99 Resp: 956922

Ion Ratio Lower Upper

99 100

42 17.7 14.8 22.2

71 31.3 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 14.373 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.13 min

Lab File: BF113529.D

Acq: 3 Apr 2019 3:46

Tgt Ion: 70 Resp: 94101

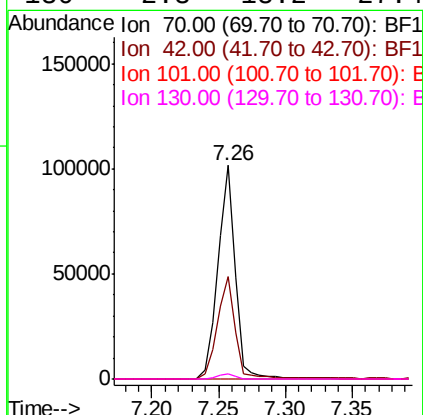
Ion Ratio Lower Upper

70 100

42 48.0 48.4 72.6#

101 0.0 7.8 11.8#

130 2.3 18.2 27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF113529.D

Acq: 3 Apr 2019 3:46

Instrument :

BNA_F

ClientSampleId :

TP-TRACK-86-87-SOIL

Tgt Ion: 136 Resp: 475046

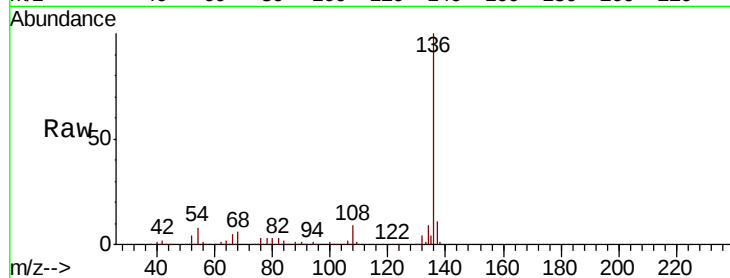
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.5 7.0 10.6

68 5.7 4.8 7.2

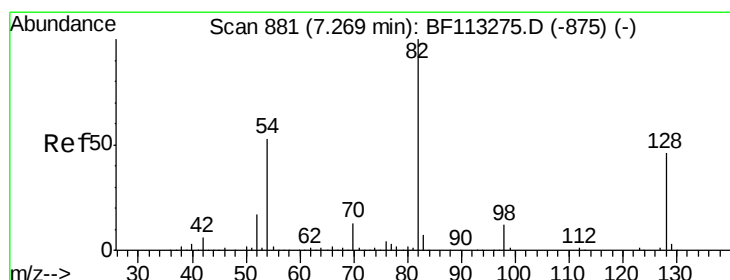
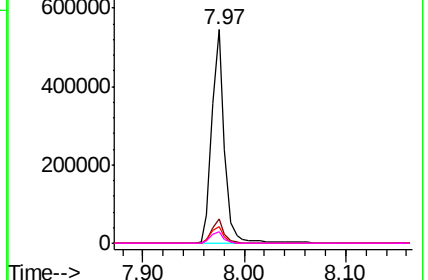
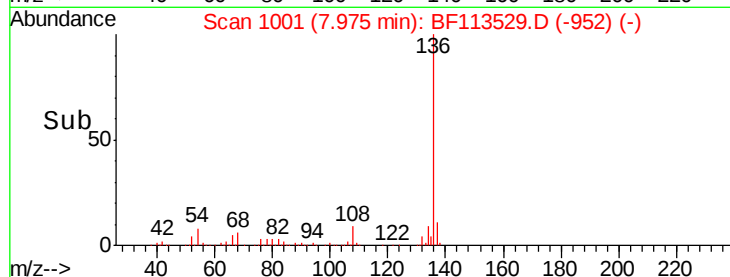


Abundance Ion 136.00 (135.70 to 136.70): E

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: 90.713 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF113529.D

Acq: 3 Apr 2019 3:46

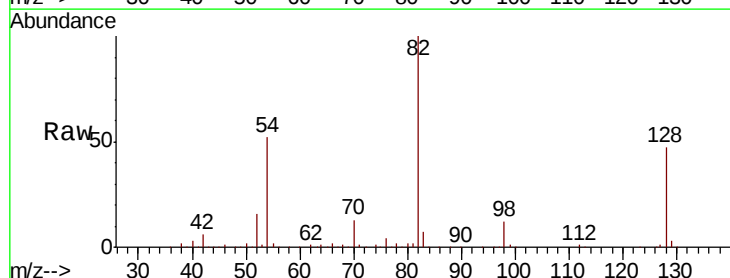
Tgt Ion: 82 Resp: 726028

Ion Ratio Lower Upper

82 100

128 47.4 36.5 54.7

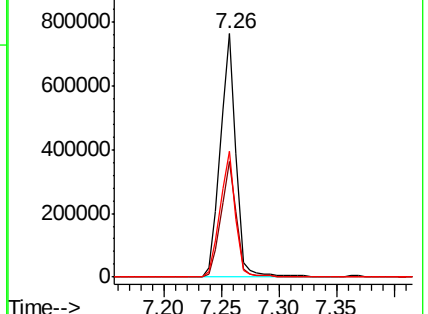
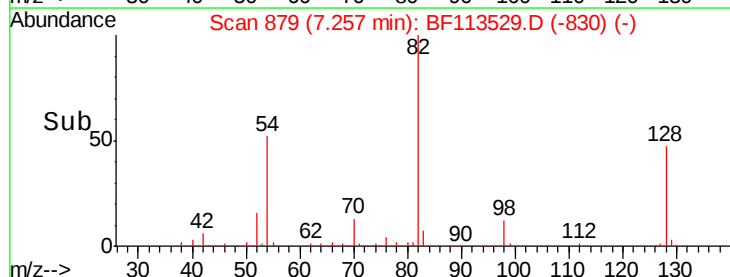
54 51.6 42.2 63.2

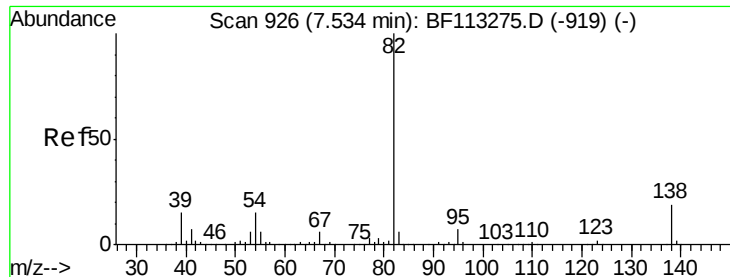


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 46.449 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.28 min

Lab File: BF113529.D

Acq: 3 Apr 2019 3:46

Instrument :

BNA_F

ClientSampleId :

TP-TRACK-86-87-SOIL

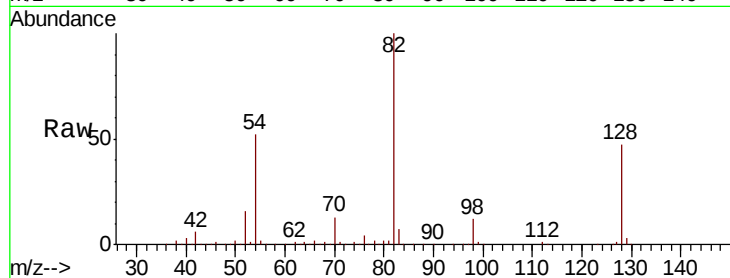
Tgt Ion: 82 Resp: 720451

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

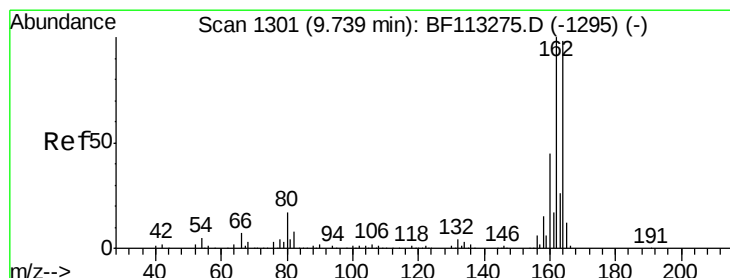
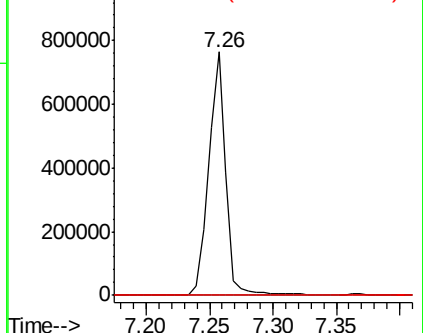
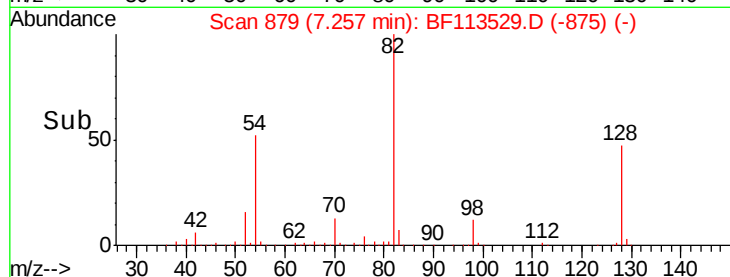
138 0.0 15.2 22.8#



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: 9.72 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BF113529.D

Acq: 3 Apr 2019 3:46

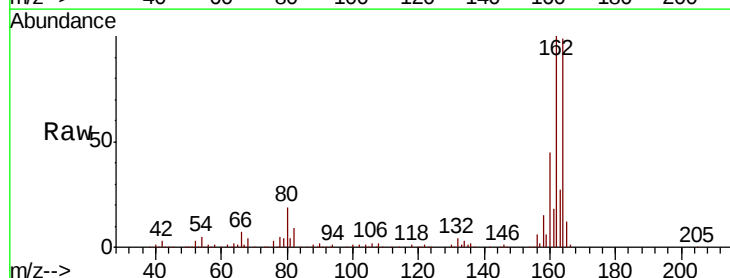
Tgt Ion: 164 Resp: 201165

Ion Ratio Lower Upper

164 100

162 101.2 81.8 122.6

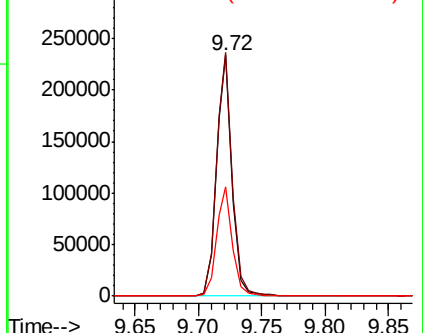
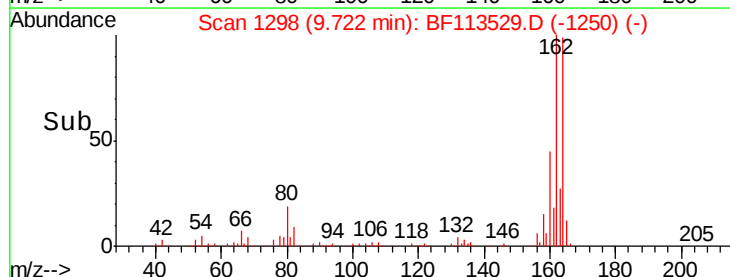
160 45.4 36.4 54.6

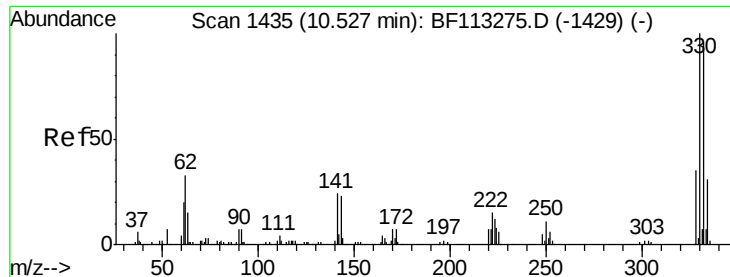


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 116.892 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.02 min

Lab File: BF113529.D

Acq: 3 Apr 2019 3:46

Instrument :

BNA_F

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TP-TRACK-86-87-SOIL

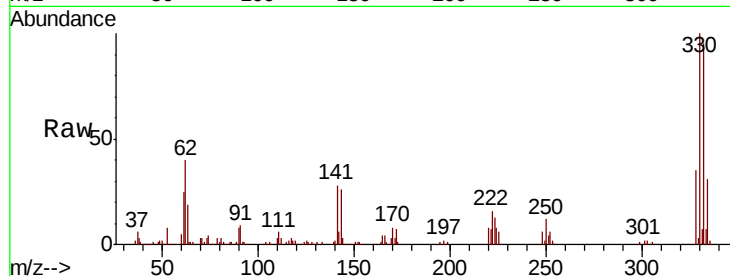
Tgt Ion:330 Resp: 290458

Ion Ratio Lower Upper

330 100

332 96.2 77.8 116.6

141 27.6 22.7 34.1

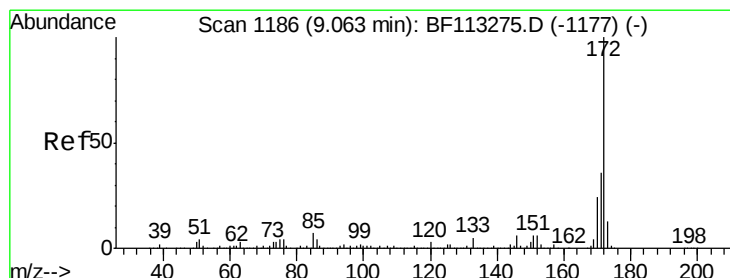
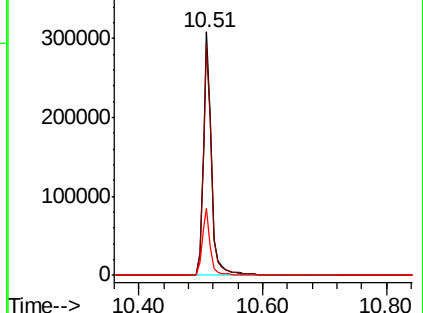
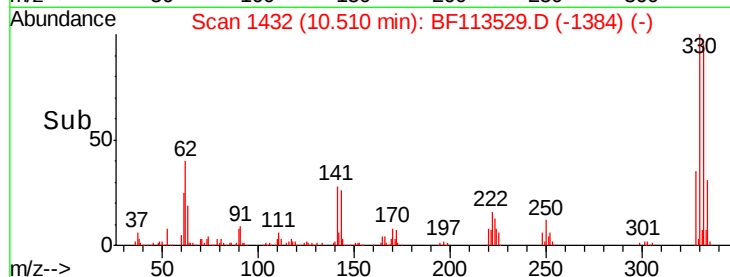


Abundance

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: 109.457 ng

RT: 9.05 min Scan# 1184

Delta R.T. -0.01 min

Lab File: BF113529.D

Acq: 3 Apr 2019 3:46

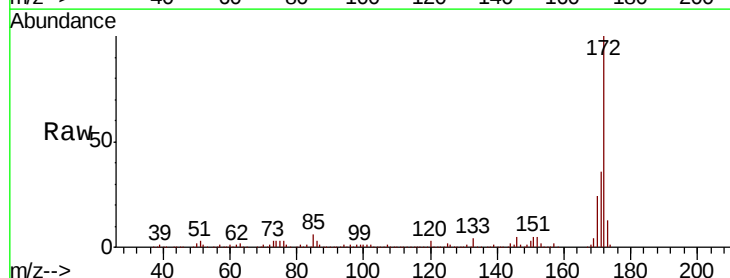
Tgt Ion:172 Resp: 1339710

Ion Ratio Lower Upper

172 100

171 36.1 29.0 43.6

170 24.1 19.5 29.3

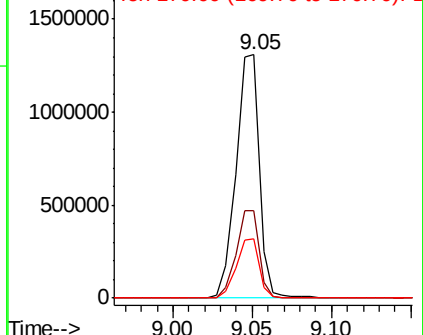
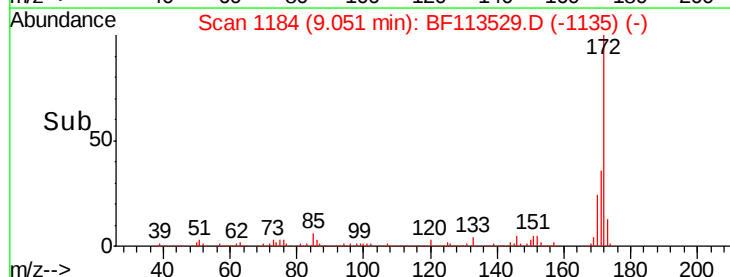


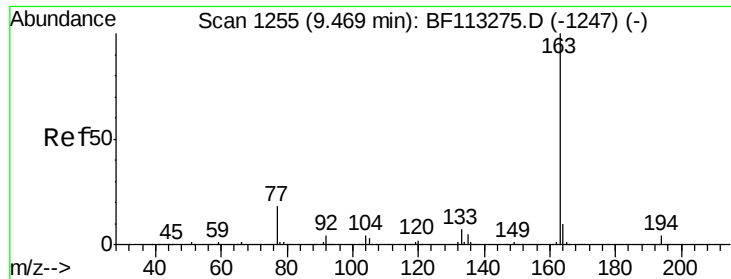
Abundance

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

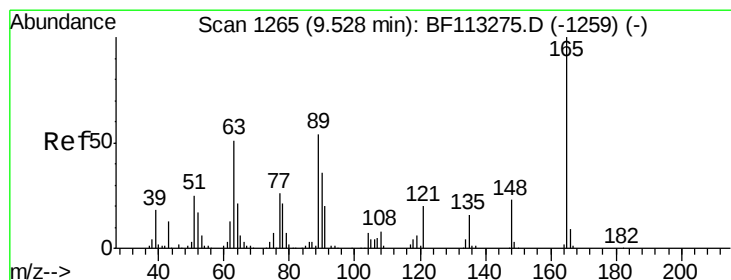
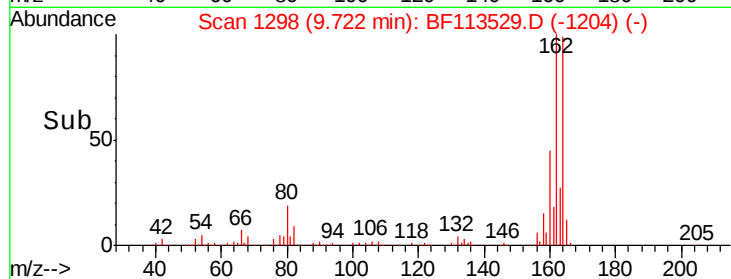
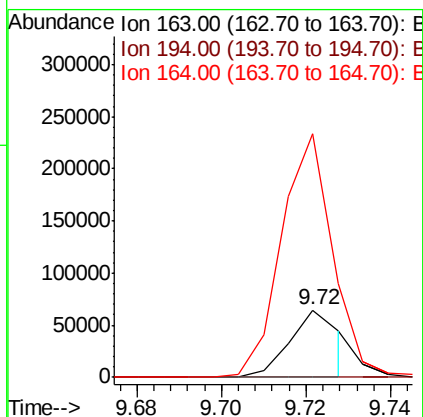
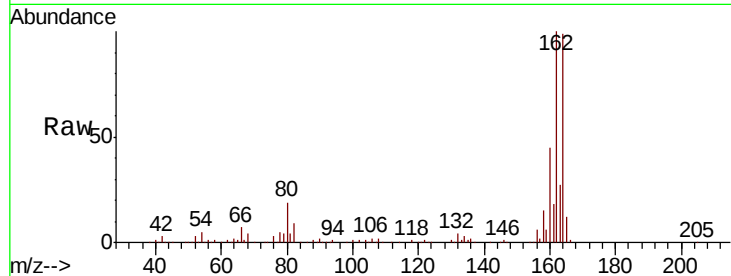




#50
Dimethylphthalate
Concen: 3.528 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.25 min
Lab File: BF113529.D
Acq: 3 Apr 2019 3:46

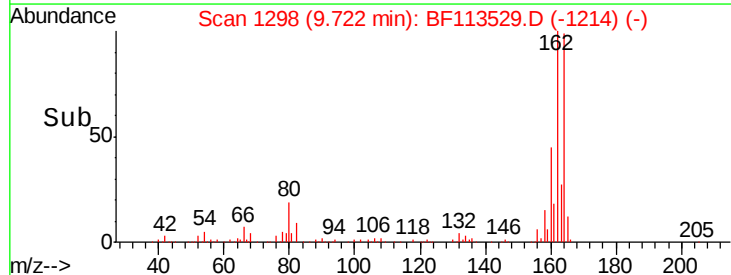
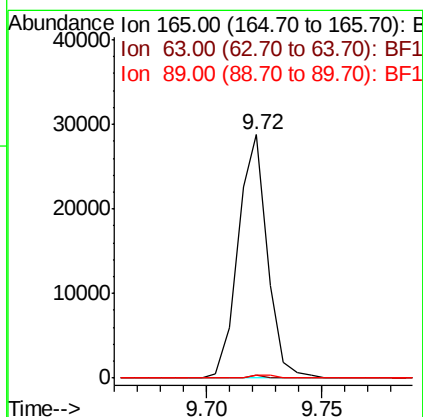
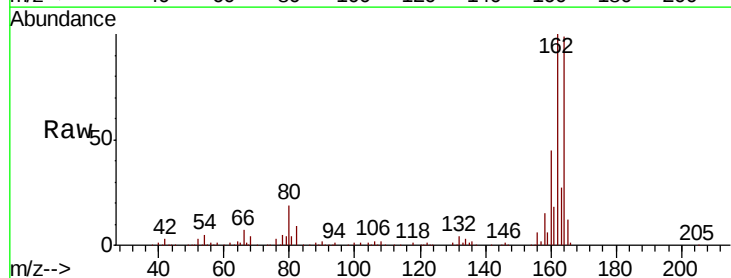
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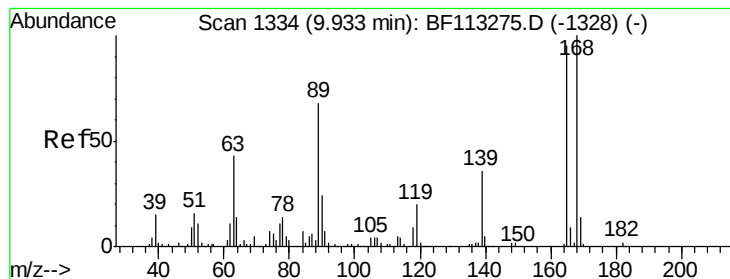
Tgt Ion:163 Resp: 52593
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 362.1 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 7.539 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.19 min
Lab File: BF113529.D
Acq: 3 Apr 2019 3:46

Tgt Ion:165 Resp: 25356
Ion Ratio Lower Upper
165 100
63 1.5 43.4 65.0#
89 1.2 43.1 64.7#





#57

2,4-Dinitrotoluene

Concen: 5.929 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.21 min

Lab File: BF113529.D

Acq: 3 Apr 2019 3:46

Instrument :

BNA_F

ClientSampleId :

TP-TRACK-86-87-SOIL

Tgt Ion:165 Resp: 25356

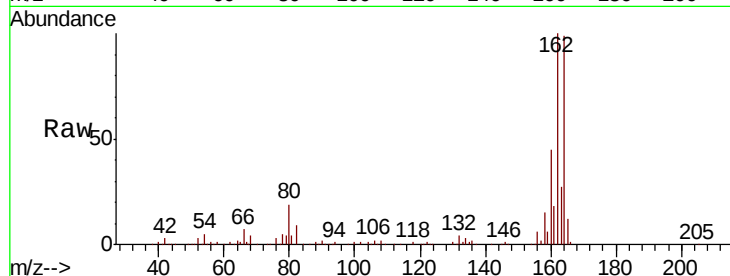
Ion Ratio Lower Upper

165 100

63 1.5 37.5 56.3#

89 1.2 57.4 86.2#

182 0.0 2.0 3.0#

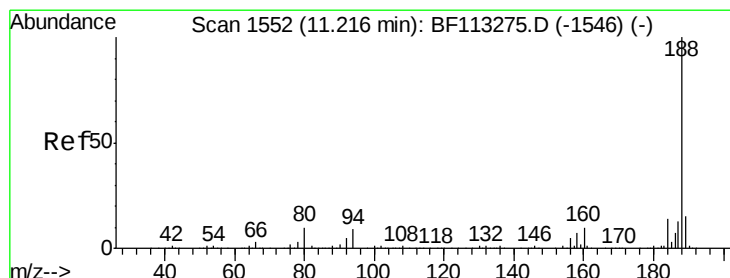
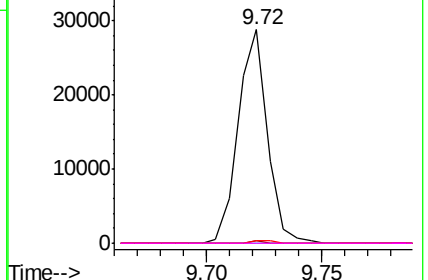
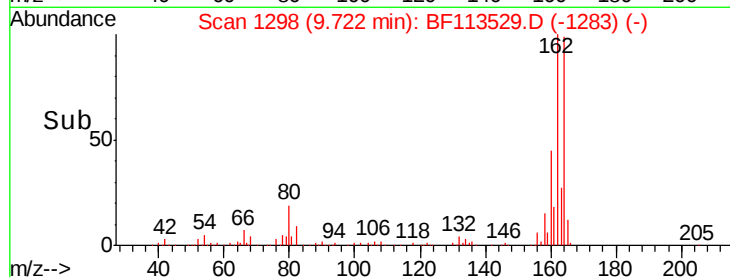


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.20 min Scan# 1549

Delta R.T. -0.02 min

Lab File: BF113529.D

Acq: 3 Apr 2019 3:46

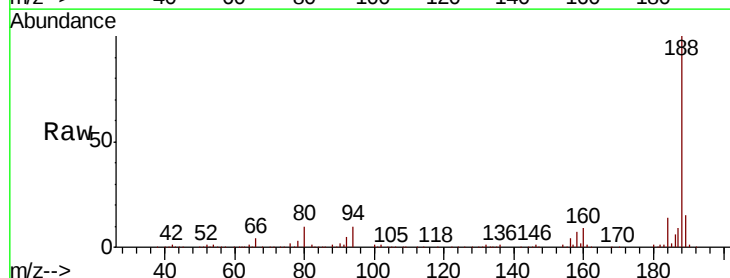
Tgt Ion:188 Resp: 350475

Ion Ratio Lower Upper

188 100

94 9.8 7.0 10.6

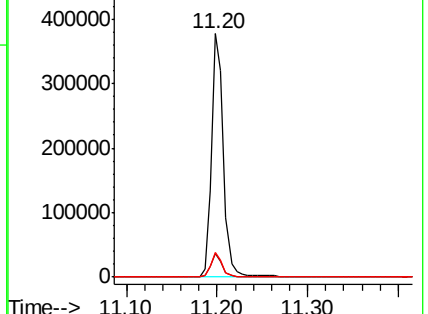
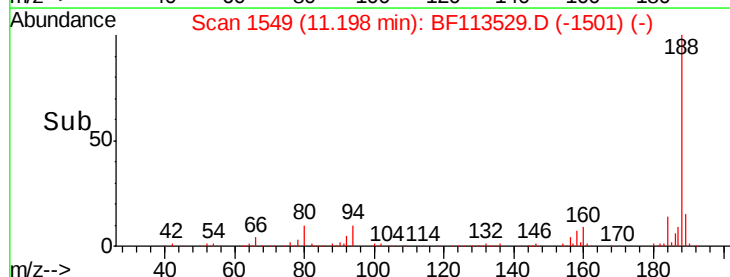
80 10.3 7.7 11.5

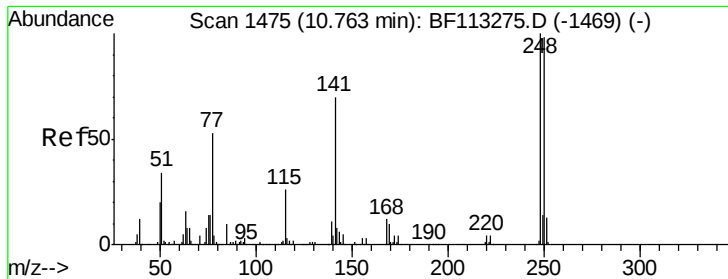


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

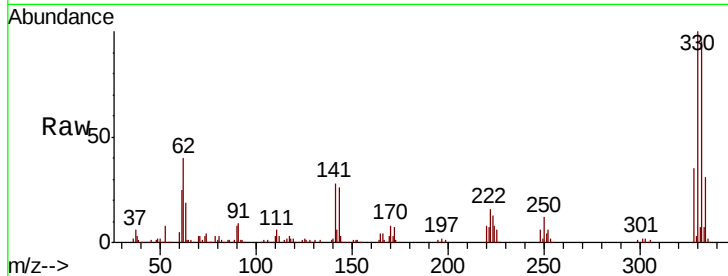




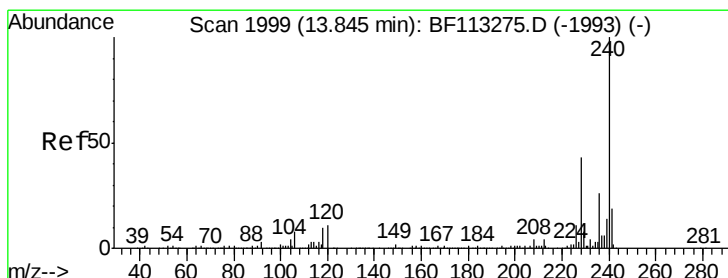
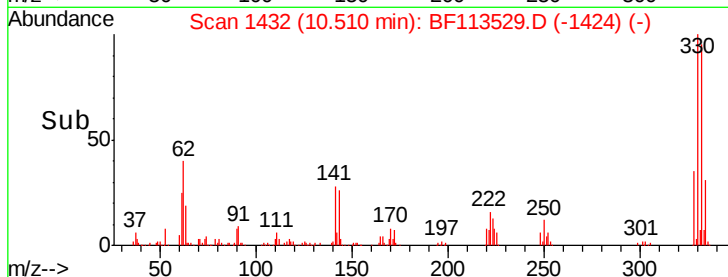
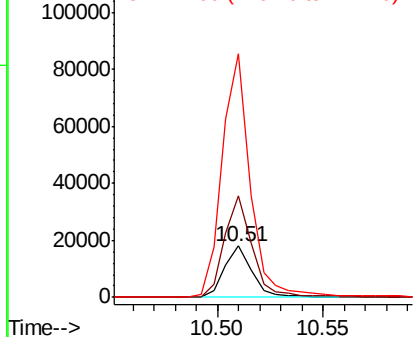
#67
 4-Bromophenyl-phenylether
 Concen: 4.226 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.25 min
 Lab File: BF113529.D
 Acq: 3 Apr 2019 3:46

Instrument :
 BNA_F
 ClientSampleId :
 TP-TRACK-86-87-SOIL

Tgt Ion:248 Resp: 16142
 Ion Ratio Lower Upper
 248 100
 250 197.7 78.3 117.5#
 141 474.5 56.2 84.4#

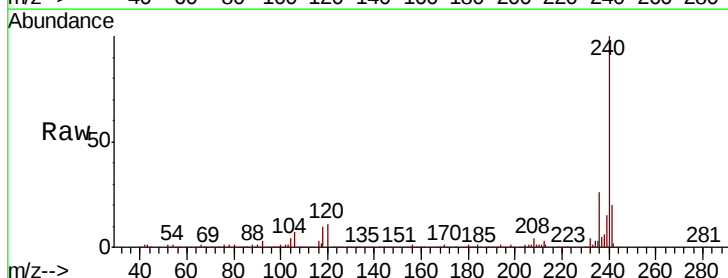


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

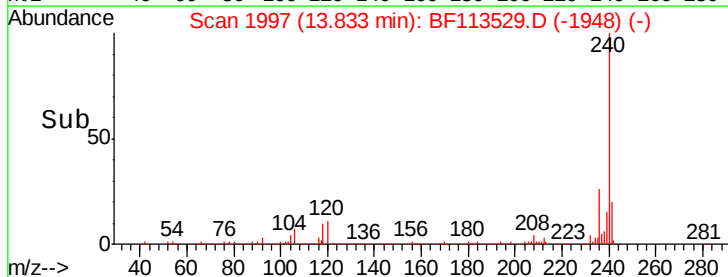
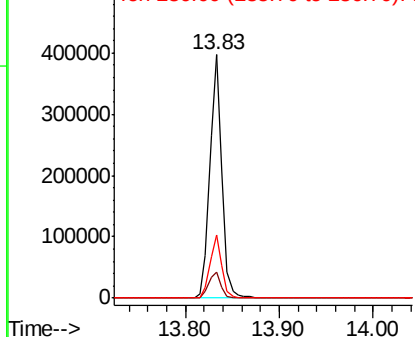


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.83 min Scan# 1997
 Delta R.T. -0.01 min
 Lab File: BF113529.D
 Acq: 3 Apr 2019 3:46

Tgt Ion:240 Resp: 360439
 Ion Ratio Lower Upper
 240 100
 120 10.9 8.8 13.2
 236 25.7 20.9 31.3



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: 85.289 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF113529.D

Acq: 3 Apr 2019 3:46

Instrument :

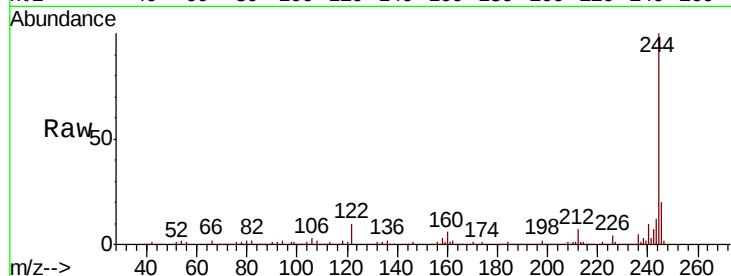
BNA_F

ClientSampleId :

TP-TRACK-86-87-SOIL

Tgt Ion:244 Resp: 1394702

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.5	8.3
122	10.2	8.6	13.0

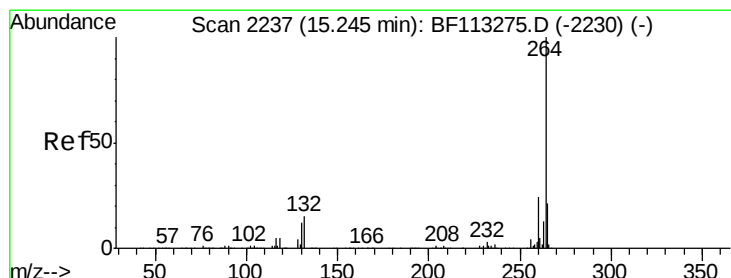
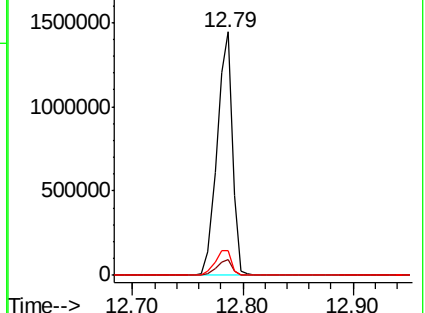
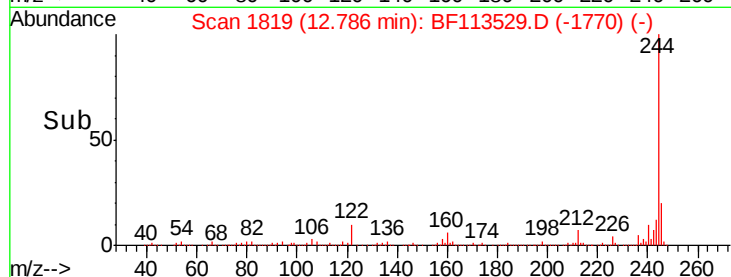


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

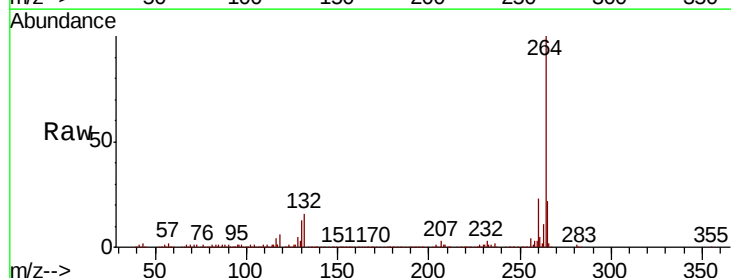
Delta R.T. -0.01 min

Lab File: BF113529.D

Acq: 3 Apr 2019 3:46

Tgt Ion:264 Resp: 273435

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.1	28.7
265	21.8	17.1	25.7



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

