

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032720\
 Data File : BF119578.D
 Acq On : 27 Mar 2020 20:28
 Operator : CG/JU
 Sample : L2032-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS-1

Quant Time: Mar 28 00:53:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 07:52:09 2020
 Response via : Initial Calibration

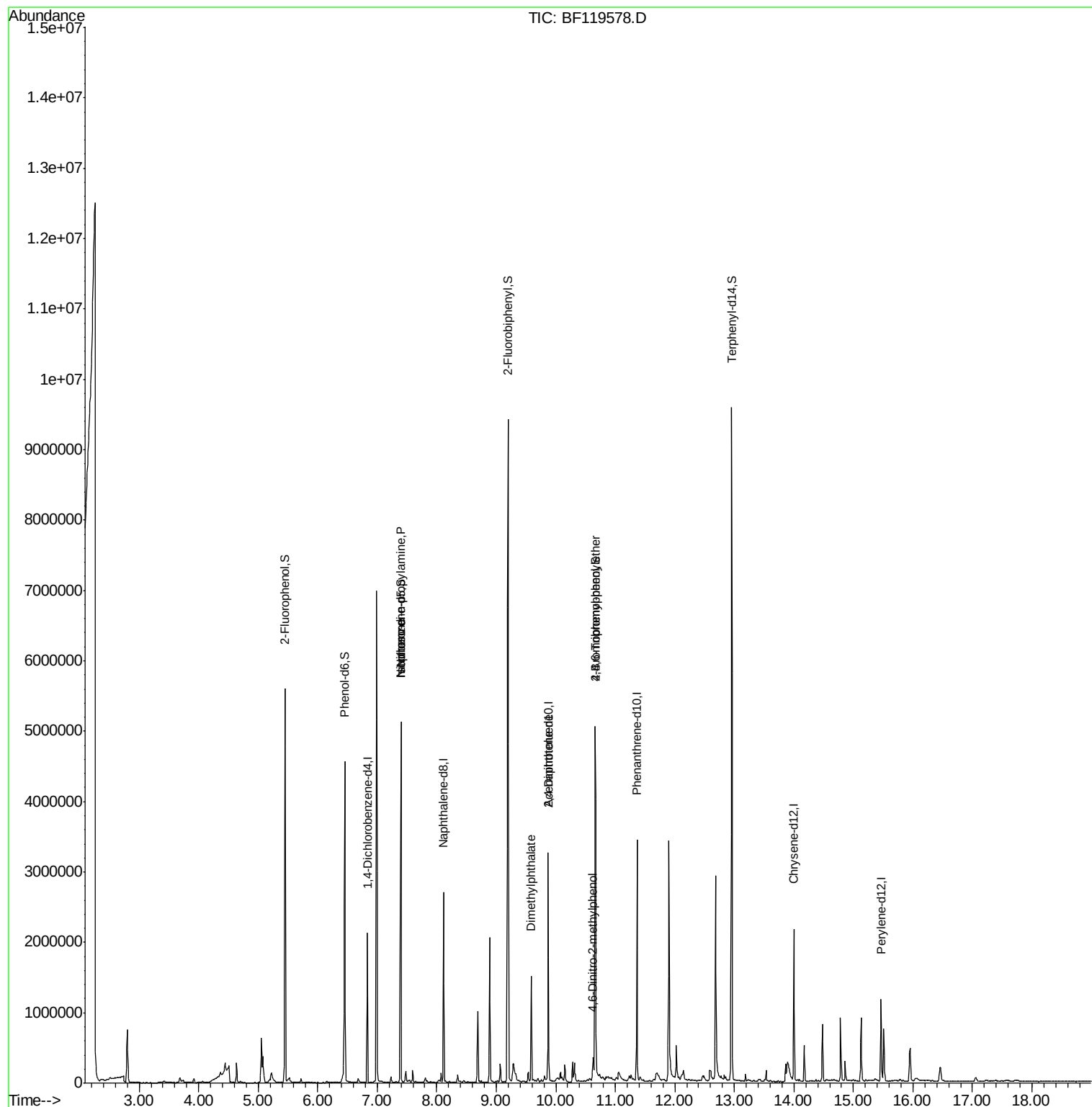
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	289801	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1095826	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	599153	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	1144152	20.00	ng	0.00
76) Chrysene-d12	14.00	240	707833	20.00	ng	-0.01
87) Perylene-d12	15.47	264	572522	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1527026	83.88	ng	0.01
7) Phenol-d6	6.46	99	1579308	67.91	ng	0.00
23) Nitrobenzene-d5	7.40	82	1726360	85.62	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	637266	103.10	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	3121373	77.18	ng	0.00
79) Terphenyl-d14	12.96	244	3620441	100.21	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	229062	16.34	ng	# 76
25) Isophorone	7.40	82	1718573	42.02	ng	# 65
50) Dimethylphthalate	9.59	163	600791	14.12	ng	98
57) 2,4-Dinitrotoluene	9.87	165	77072	6.71	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.63	198	13168	2.74	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	38078	2.92	ng	# 1

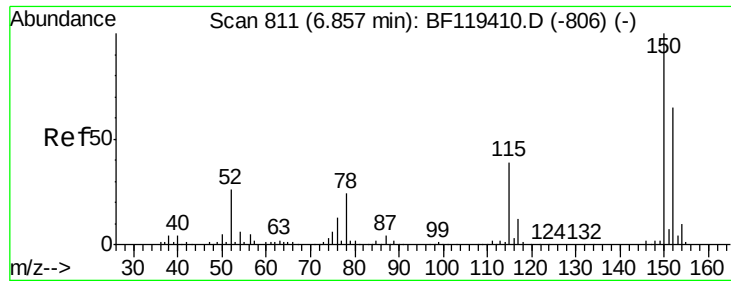
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 807

Delta R.T. -0.00 min

Lab File: BF119578.D

Acq: 27 Mar 2020 20:28

Instrument :

BNA_F

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SOIL-CUTTINGS-1

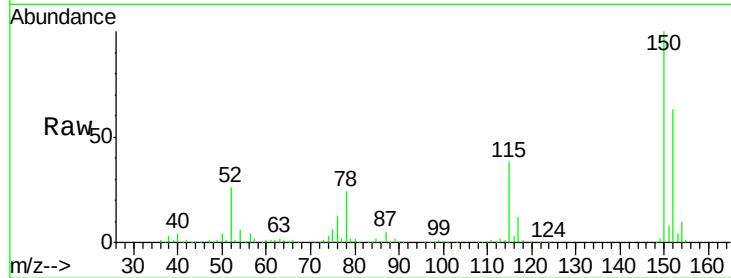
Tgt Ion:152 Resp: 289801

Ion Ratio Lower Upper

152 100

150 157.9 124.5 186.7

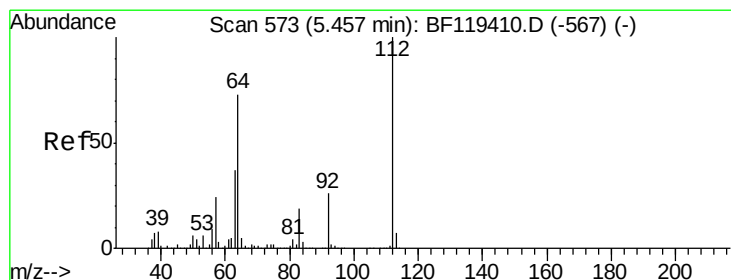
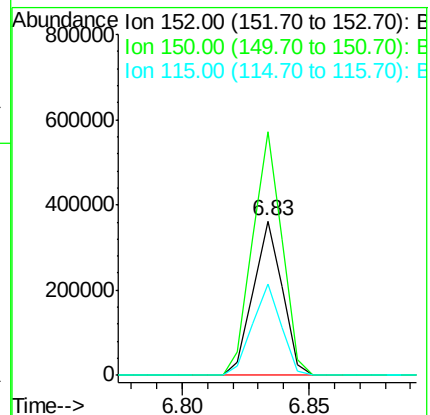
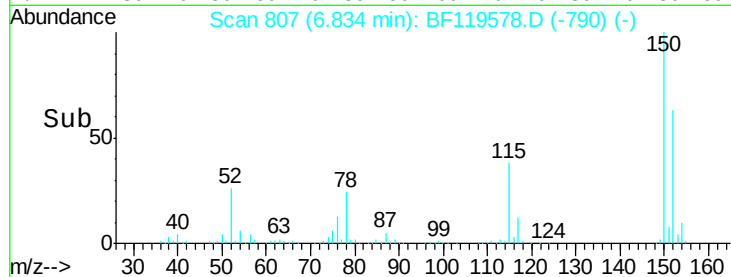
115 59.6 49.6 74.4



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: 83.88 ng

RT: 5.45 min Scan# 572

Delta R.T. 0.01 min

Lab File: BF119578.D

Acq: 27 Mar 2020 20:28

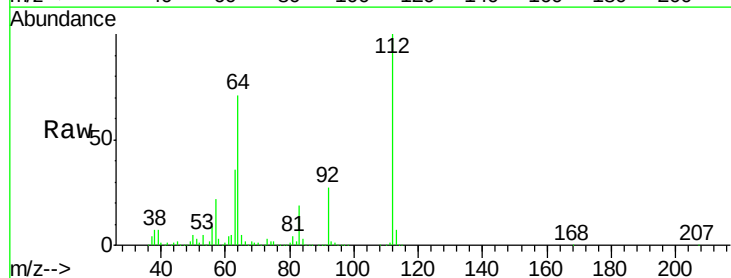
Tgt Ion:112 Resp: 1527026

Ion Ratio Lower Upper

112 100

64 71.4 56.7 85.1

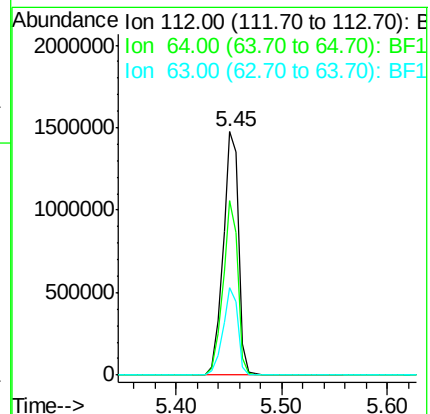
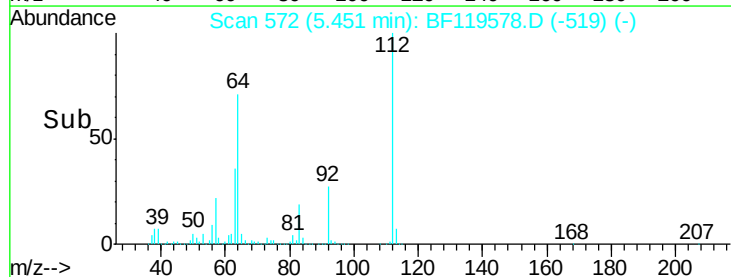
63 36.1 29.5 44.3

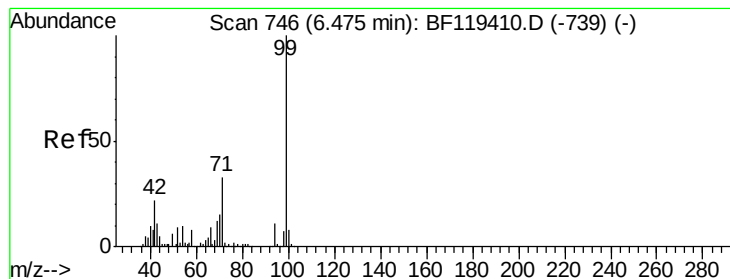


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 67.91 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF119578.D

Acq: 27 Mar 2020 20:28

Instrument :

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ClientSampleId :

SOIL-CUTTINGS-1

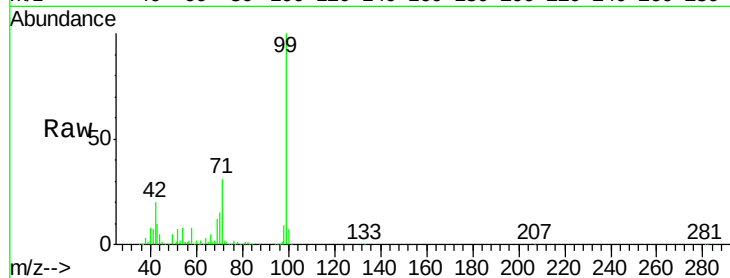
Tgt Ion: 99 Resp: 1579308

Ion Ratio Lower Upper

99 100

42 19.5 16.6 24.8

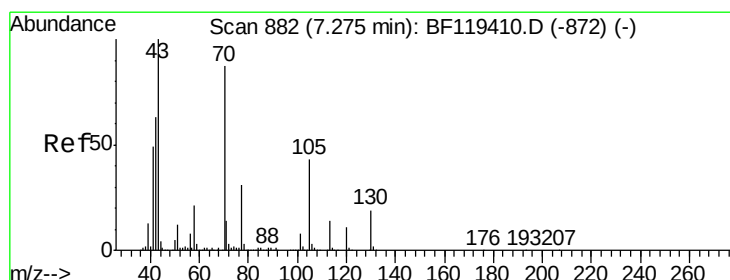
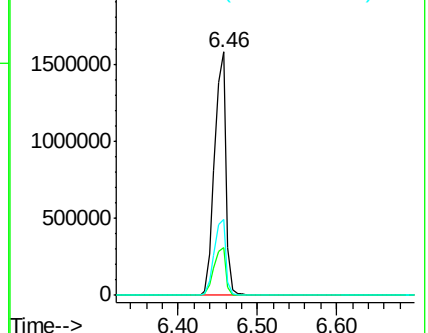
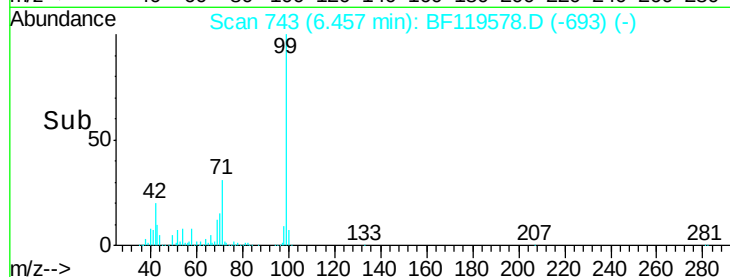
71 31.1 26.4 39.6



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: 16.34 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF119578.D

Acq: 27 Mar 2020 20:28

Tgt Ion: 70 Resp: 229062

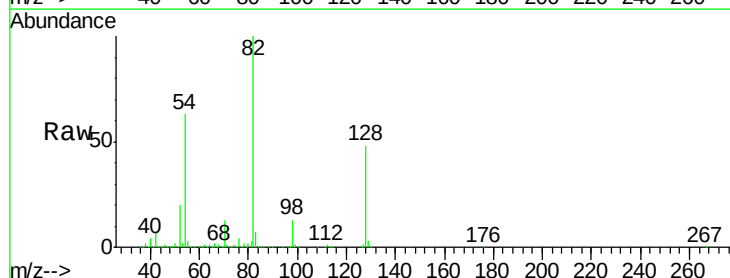
Ion Ratio Lower Upper

70 100

42 53.2 54.5 81.7#

101 0.0 7.6 11.4#

130 2.3 17.6 26.4#

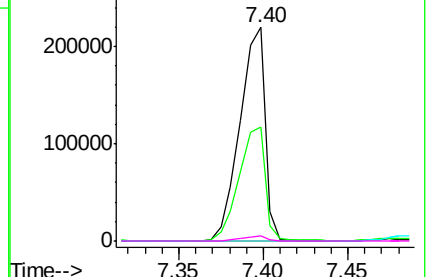
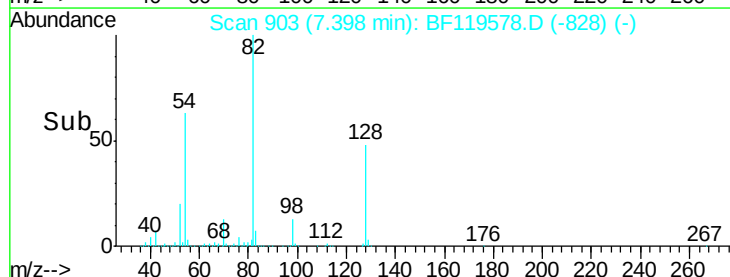


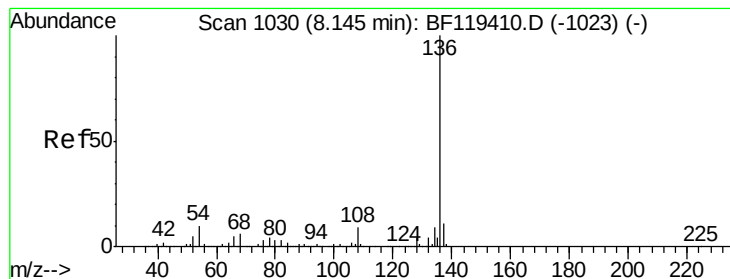
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 20.00 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF119578.D

Acq: 27 Mar 2020 20:28

Instrument :

BNA_F

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SOIL-CUTTINGS-1

Tgt Ion:136 Resp: 1095826

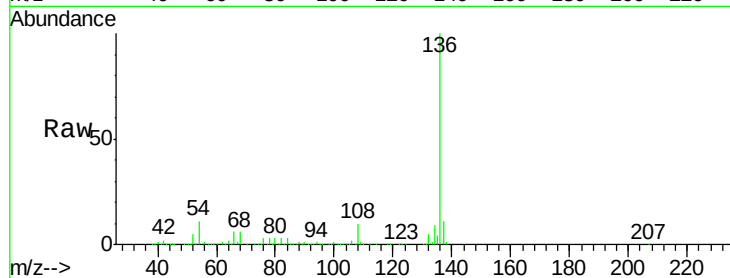
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 10.7 9.1 13.7

68 5.8 4.6 6.8

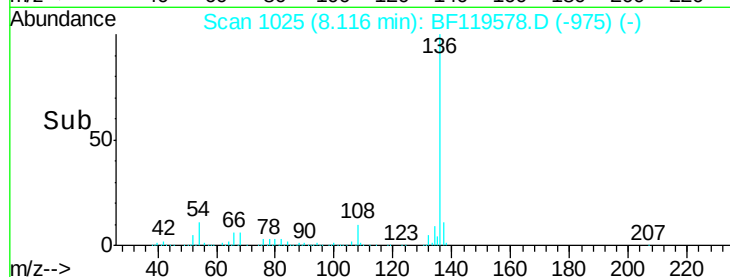


Abundance Ion 136.00 (135.70 to 136.70): E

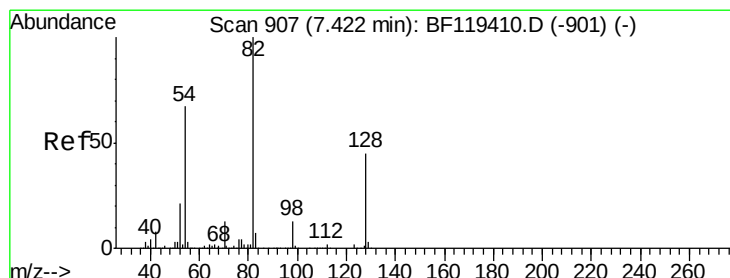
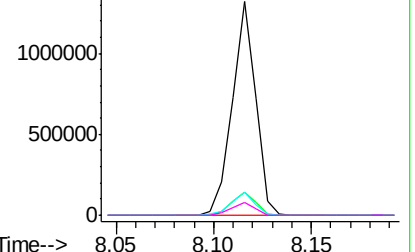
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 85.62 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF119578.D

Acq: 27 Mar 2020 20:28

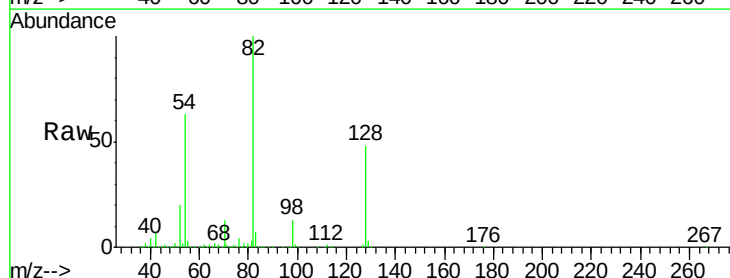
Tgt Ion: 82 Resp: 1726360

Ion Ratio Lower Upper

82 100

128 47.8 36.3 54.5

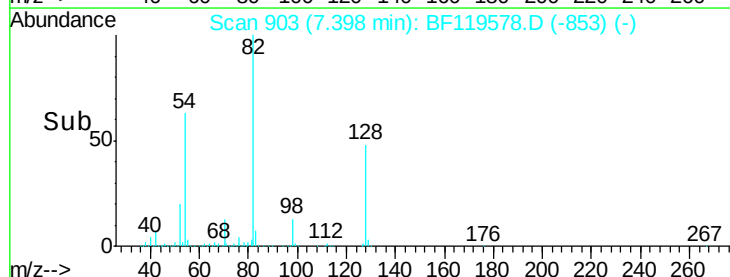
54 63.0 50.6 75.8



Abundance Ion 82.00 (81.70 to 82.70): BF1

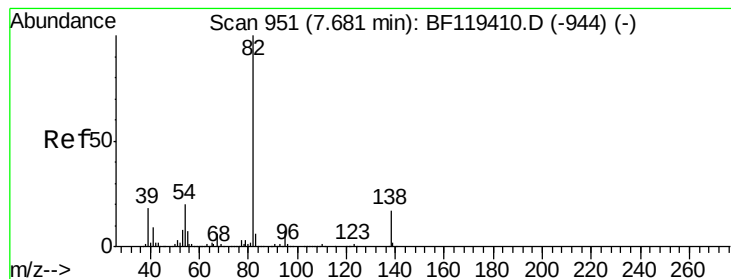
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->





#25

Isophorone

Concen: 42.02 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.26 min

Lab File: BF119578.D

Acq: 27 Mar 2020 20:28

Instrument :

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SOIL-CUTTINGS-1

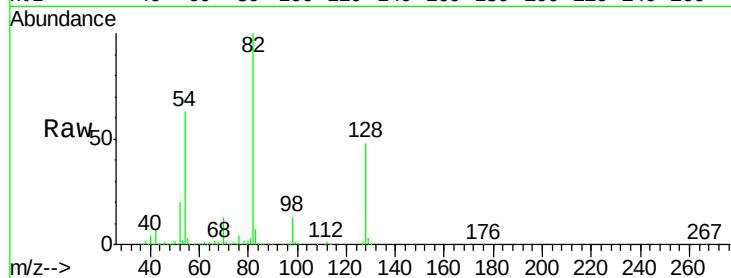
Tgt Ion: 82 Resp: 1718573

Ion Ratio Lower Upper

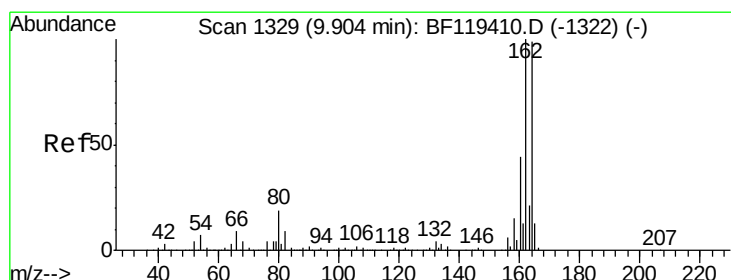
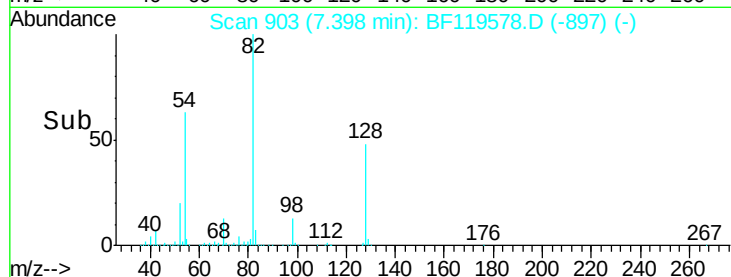
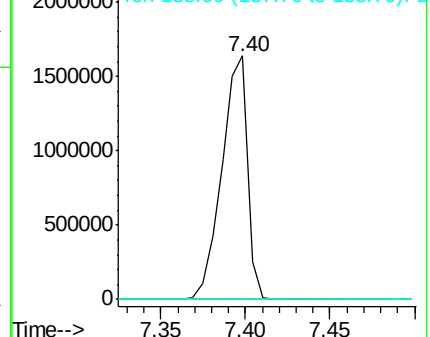
82 100

95 0.0 5.8 8.6#

138 0.0 14.6 21.8#



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: 20.00 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF119578.D

Acq: 27 Mar 2020 20:28

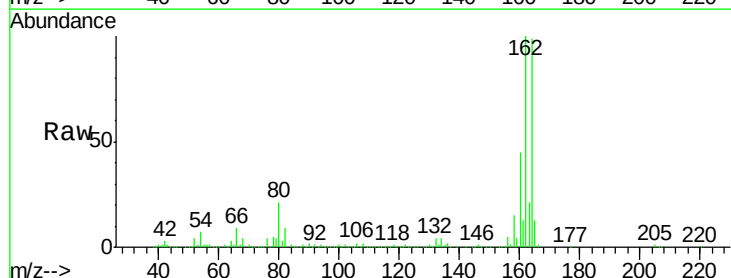
Tgt Ion: 164 Resp: 599153

Ion Ratio Lower Upper

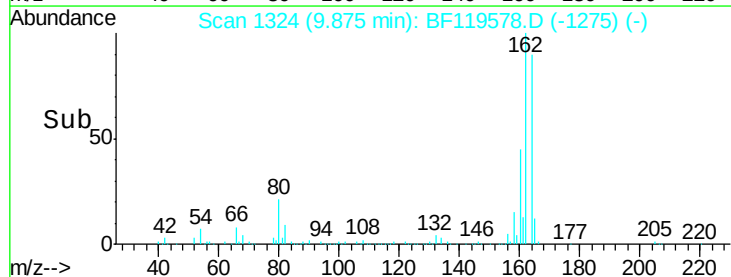
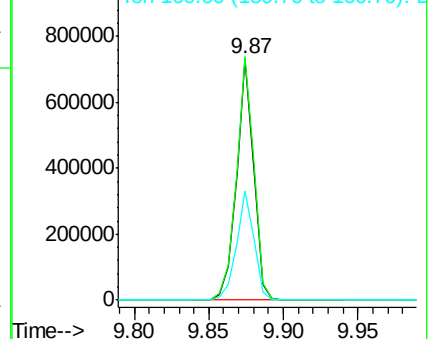
164 100

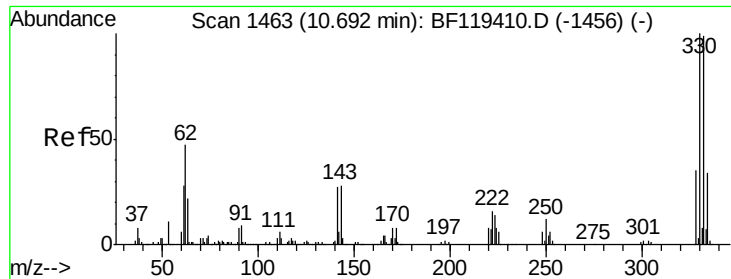
162 100.8 80.6 121.0

160 45.4 35.7 53.5



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

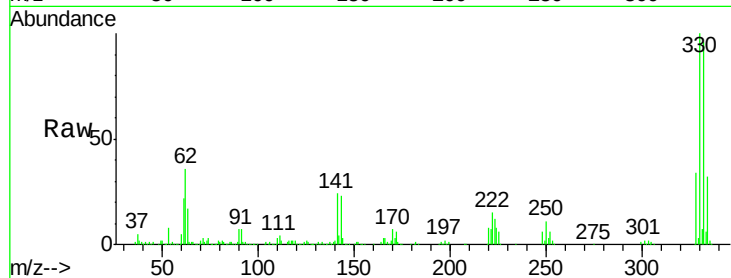




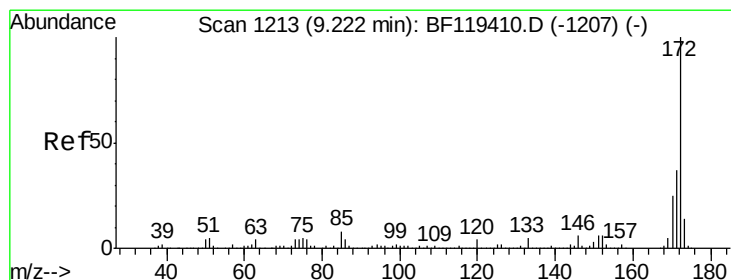
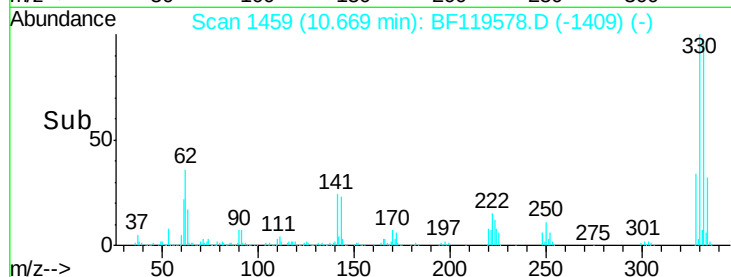
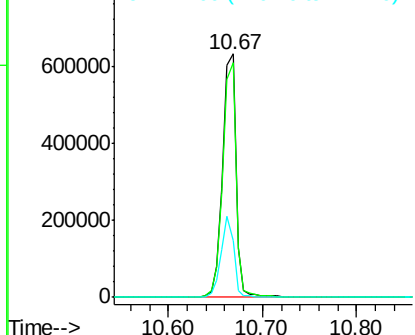
#42
 2,4,6-Tribromophenol
 Concen: 103.10 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF119578.D
 Acq: 27 Mar 2020 20:28

Instrument :
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 SOIL-CUTTINGS-1

Tgt Ion:330 Resp: 637266
 Ion Ratio Lower Upper
 330 100
 332 95.8 75.7 113.5
 141 31.6 25.4 38.0

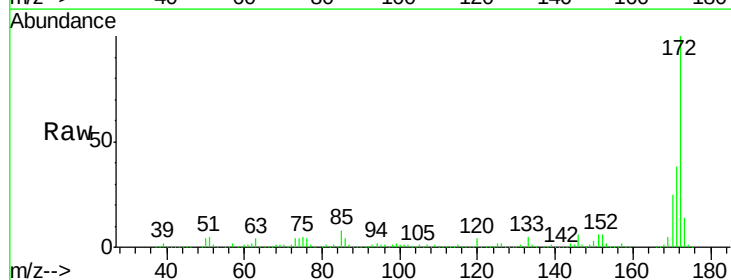


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

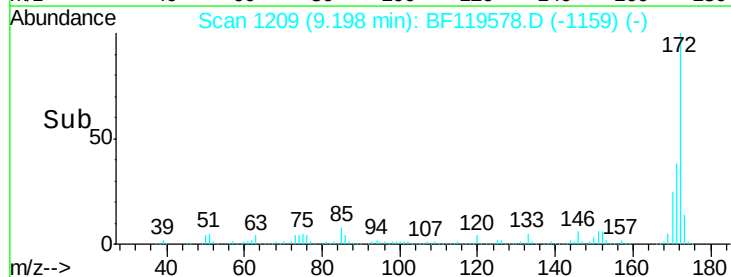
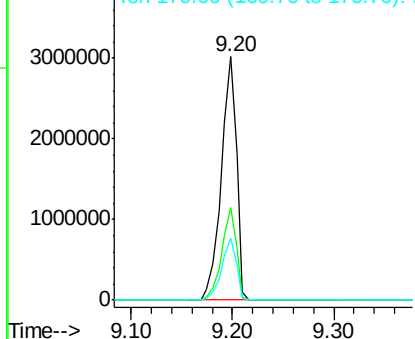


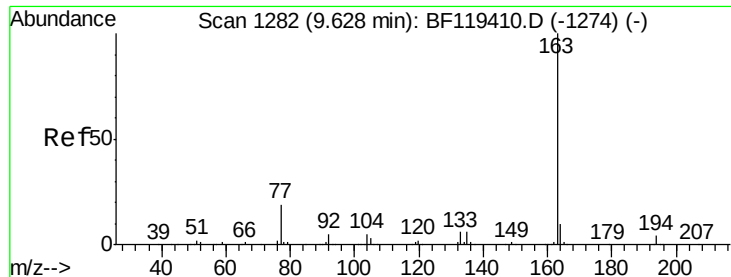
#45
 2-Fluorobiphenyl
 Concen: 77.18 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF119578.D
 Acq: 27 Mar 2020 20:28

Tgt Ion:172 Resp: 3121373
 Ion Ratio Lower Upper
 172 100
 171 38.0 29.6 44.4
 170 25.4 20.2 30.2



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

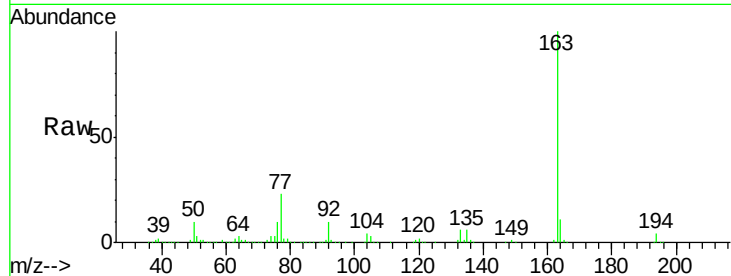




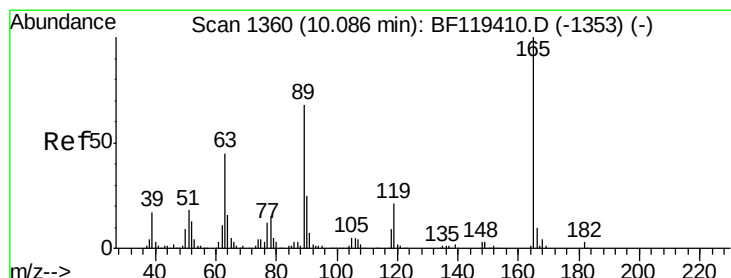
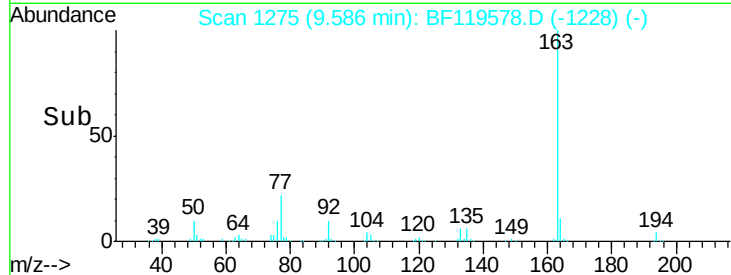
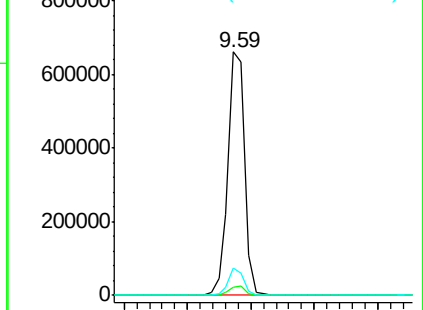
#50
Dimethylphthalate
Concen: 14.12 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF119578.D
Acq: 27 Mar 2020 20:28

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Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.1	4.7
164	11.0	8.2	12.2

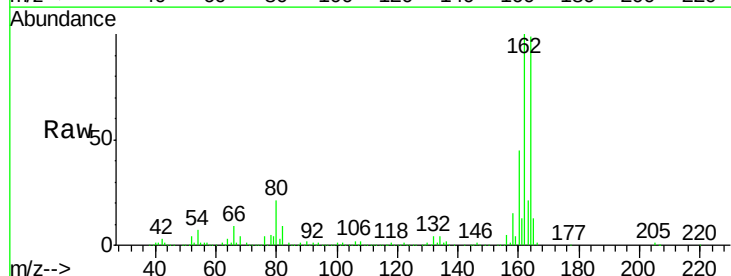


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

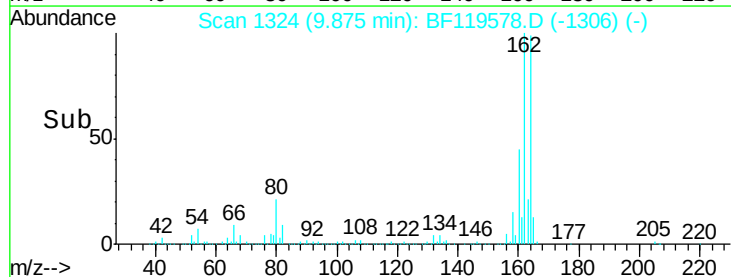
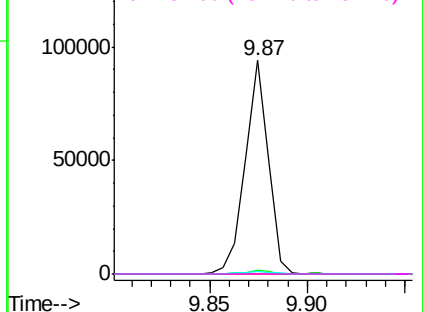


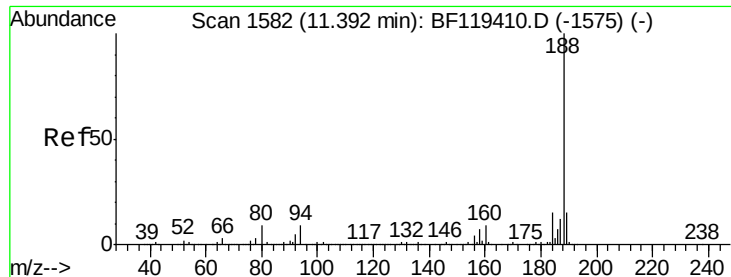
#57
2,4-Dinitrotoluene
Concen: 6.71 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.19 min
Lab File: BF119578.D
Acq: 27 Mar 2020 20:28

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	42.6	64.0#
89	1.2	61.0	91.4#
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

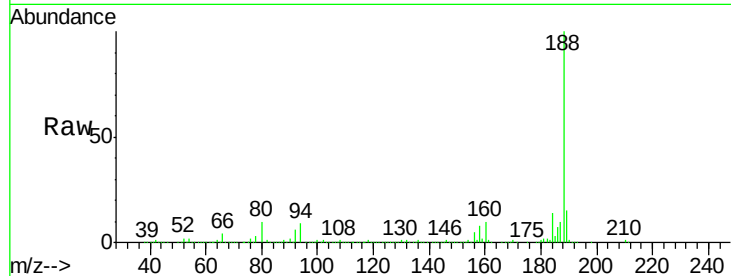




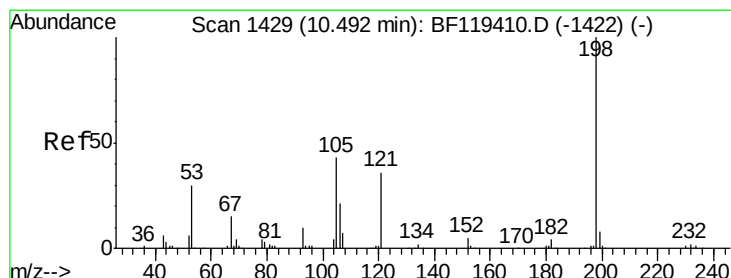
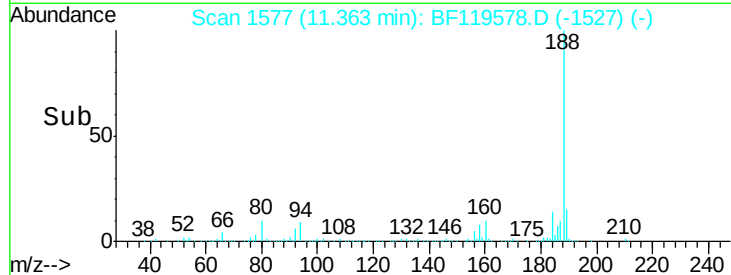
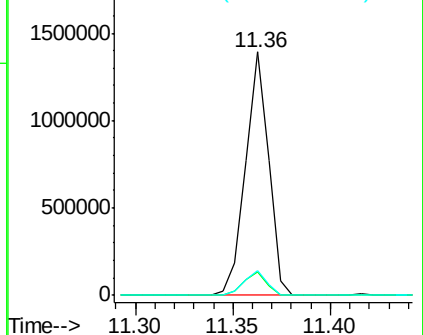
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF119578.D
Acq: 27 Mar 2020 20:28

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS-1

Tgt Ion:188 Resp: 1144152
Ion Ratio Lower Upper
188 100
94 9.5 7.5 11.3
80 10.4 9.0 13.4

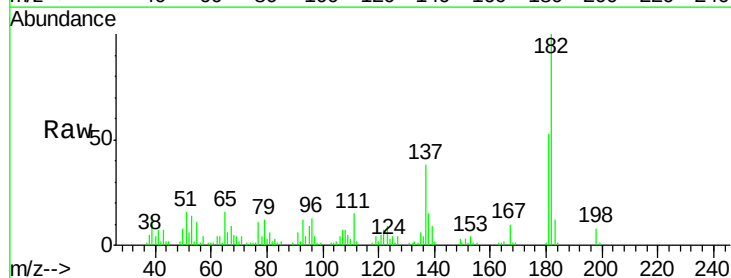


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

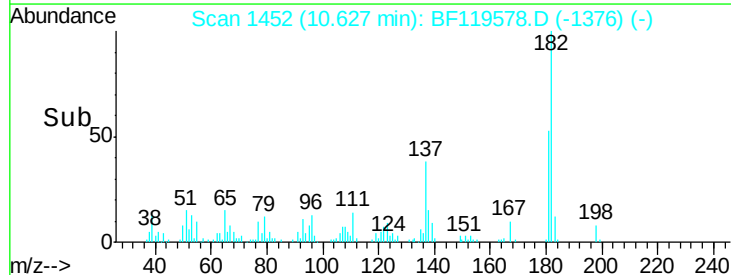
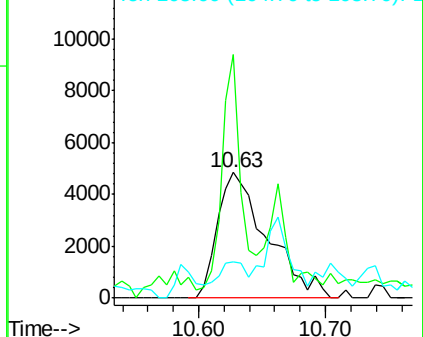


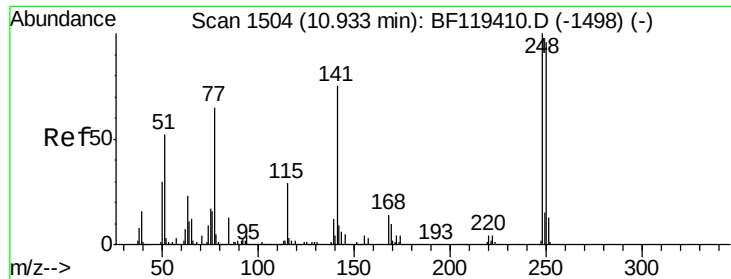
#65
4,6-Dinitro-2-methylphenol
Concen: 2.74 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.15 min
Lab File: BF119578.D
Acq: 27 Mar 2020 20:28

Tgt Ion:198 Resp: 13168
Ion Ratio Lower Upper
198 100
51 194.1 29.0 69.0#
105 28.5 22.2 62.2



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

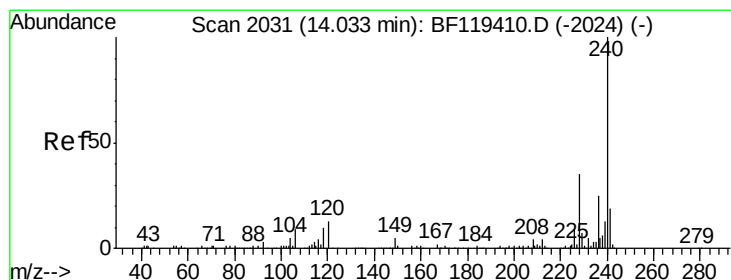
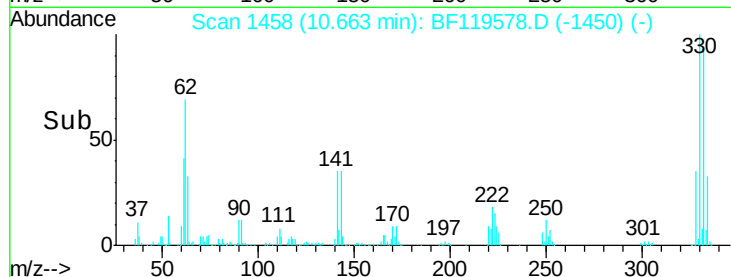
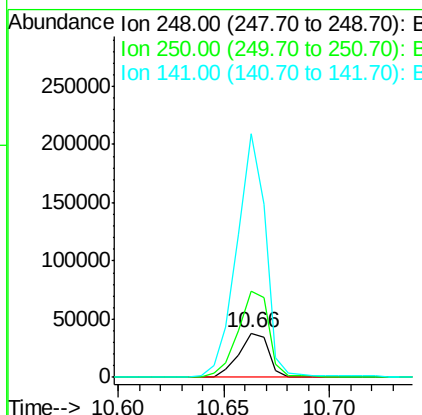
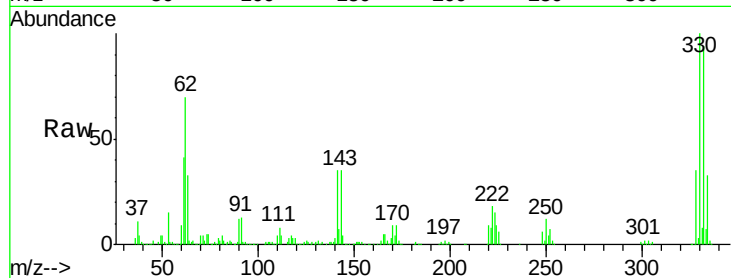




#67
 4-Bromophenyl-phenylether
 Concen: 2.92 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF119578.D
 Acq: 27 Mar 2020 20:28

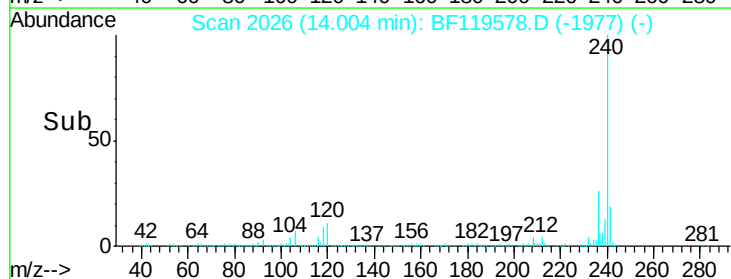
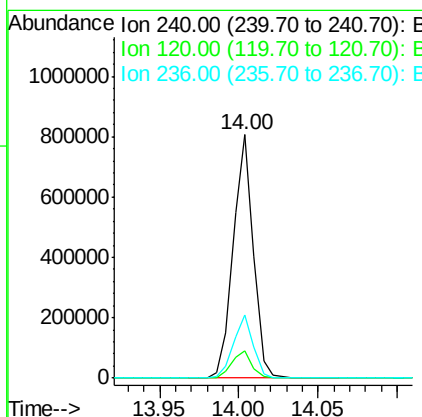
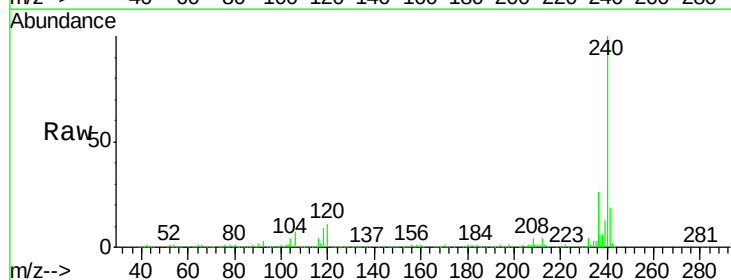
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS-1

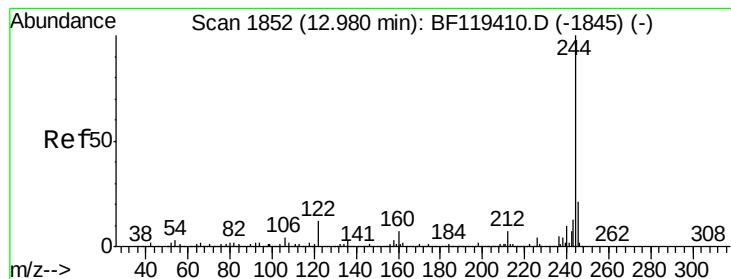
Tgt Ion	Ratio	Lower	Upper
248	100		
250	196.0	77.3	115.9#
141	551.6	58.6	87.8#



#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF119578.D
 Acq: 27 Mar 2020 20:28

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.4	10.6	15.8
236	25.8	20.2	30.2





#79

Terphenyl-d14

Concen: 100.21 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF119578.D

Acq: 27 Mar 2020 20:28

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS-1

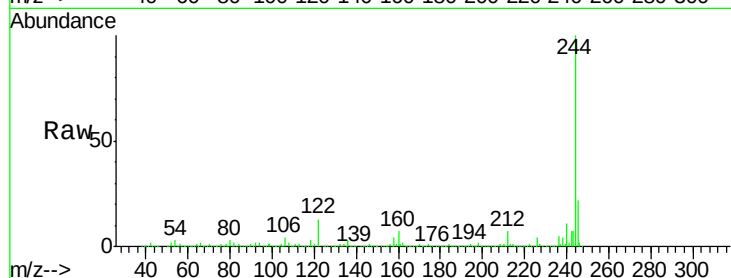
Tgt Ion:244 Resp: 3620441

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

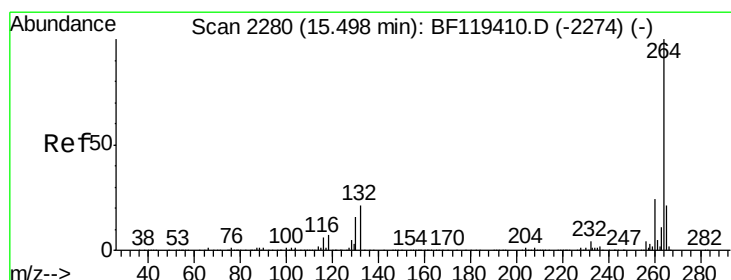
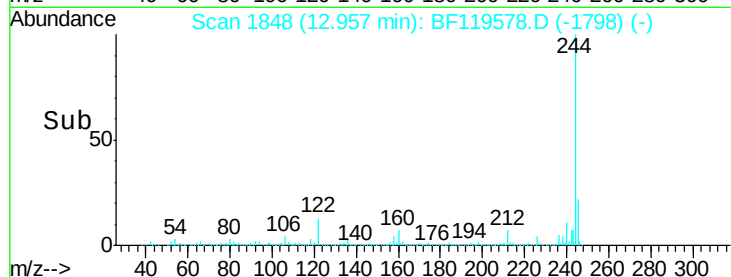
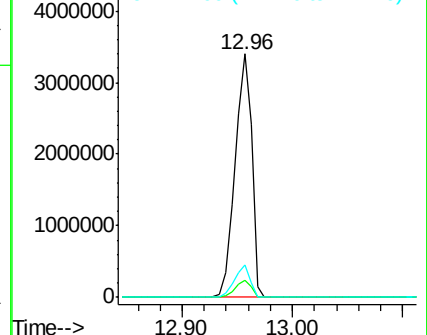
122 13.4 10.3 15.5



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: 20.00 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF119578.D

Acq: 27 Mar 2020 20:28

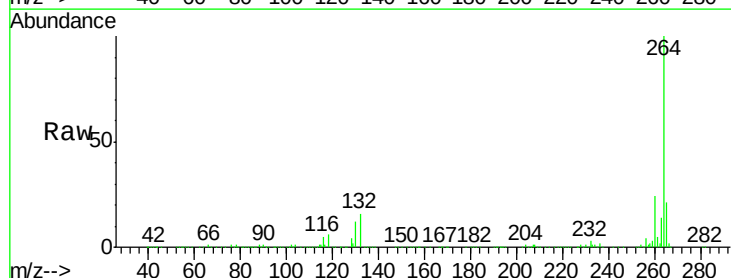
Tgt Ion:264 Resp: 572522

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

265 20.8 17.7 26.5



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

