

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071019\
 Data File : BF115469.D
 Acq On : 10 Jul 2019 21:42
 Operator : HP/JU
 Sample : K3695-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-SAMPLE-1

Quant Time: Jul 11 05:00:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 10 16:47:05 2019
 Response via : Initial Calibration

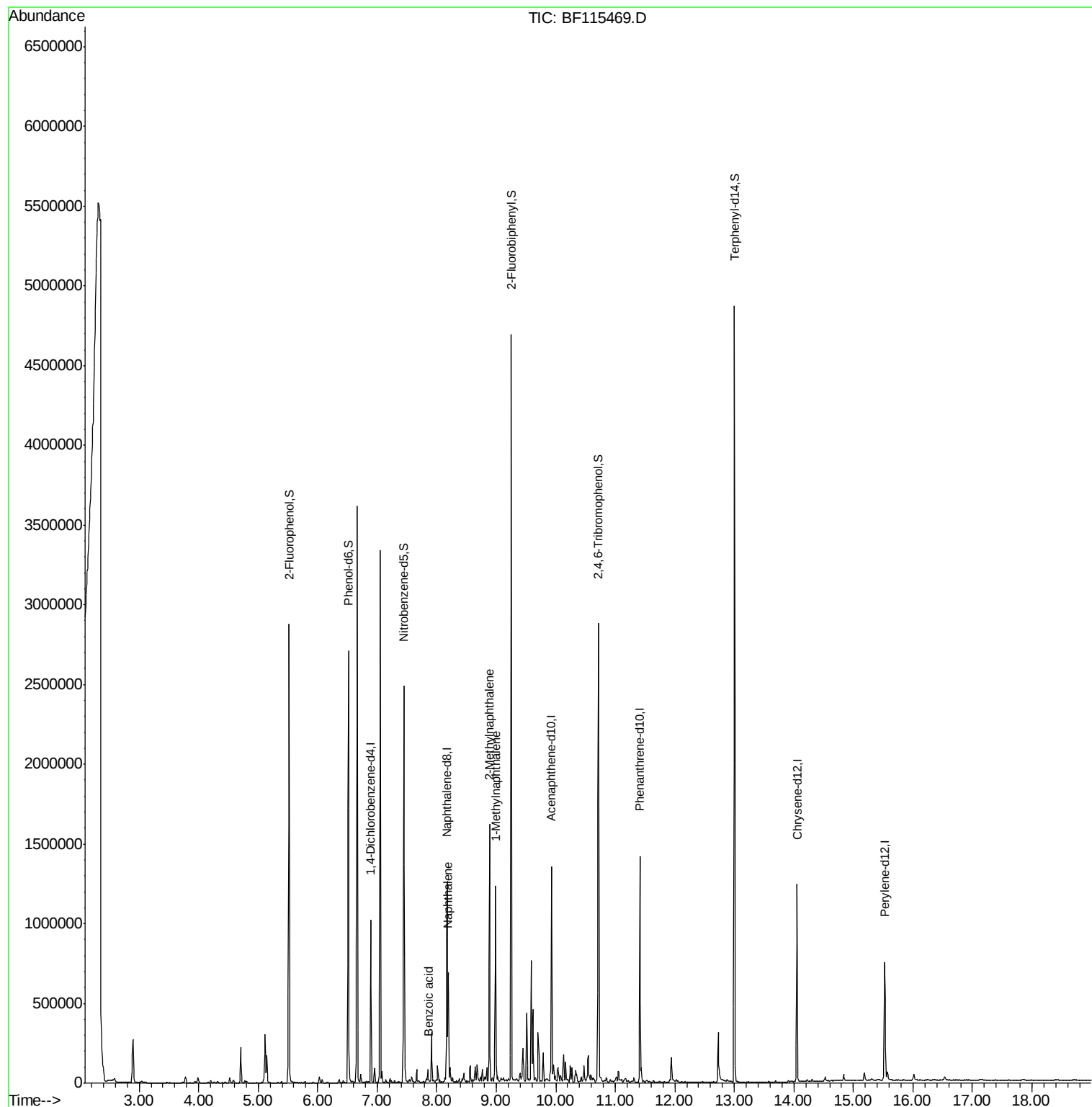
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	136476	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	514465	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	258744	20.00	ng	-0.01
64) Phenanthrene-d10	11.42	188	512960	20.00	ng	0.00
76) Chrysene-d12	14.05	240	384689	20.00	ng	-0.02
87) Perylene-d12	15.53	264	351934	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	919053	104.04	ng	0.00
7) Phenol-d6	6.52	99	1075677	95.75	ng	0.00
23) Nitrobenzene-d5	7.45	82	830015	95.32	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	381942	133.51	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	1479413	100.33	ng	0.00
79) Terphenyl-d14	13.00	244	1799519	95.78	ng	0.00
Target Compounds						
31) Naphthalene	8.19	128	288059	11.273	ng	98
32) Benzoic acid	7.87	122	4346	6.719	ng	90
37) 2-Methylnaphthalene	8.89	142	412597	24.157	ng	98
38) 1-Methylnaphthalene	8.99	142	304275	18.671	ng	99

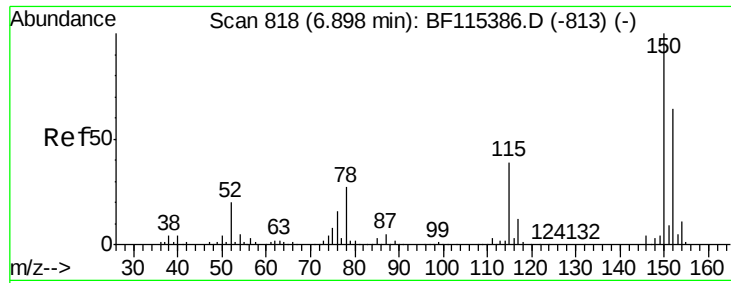
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071019\
Data File : BF115469.D
Acq On : 10 Jul 2019 21:42
Operator : HP/JU
Sample : K3695-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-SAMPLE-1

Quant Time: Jul 11 05:00:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 10 16:47:05 2019
Response via : Initial Calibration



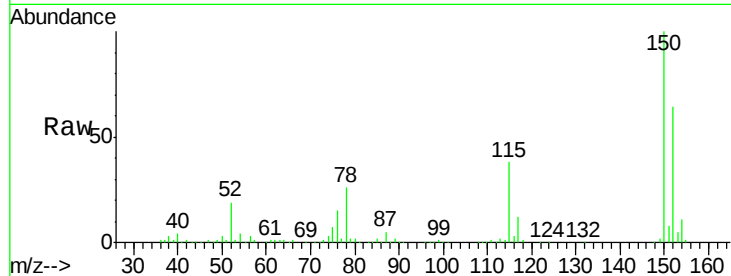


#1

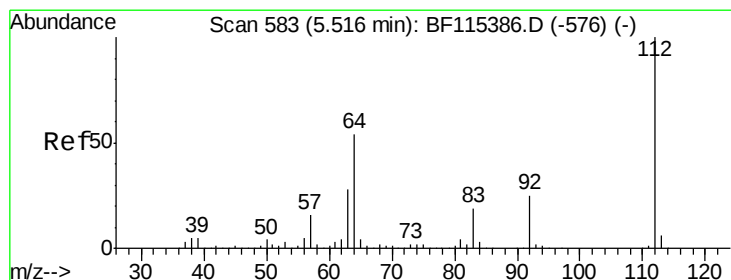
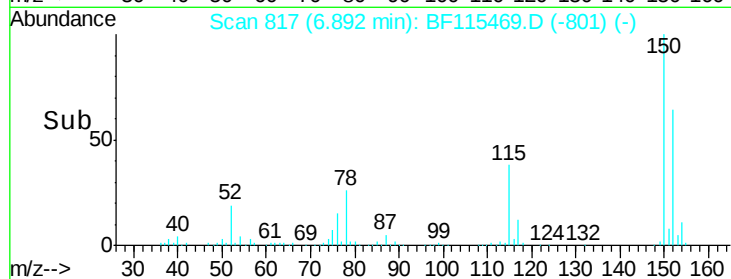
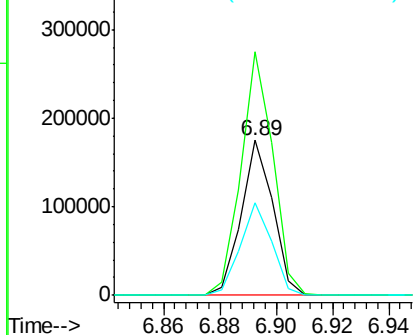
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF115469.D
Acq: 10 Jul 2019 21:42

Instrument :
BNA_F
ClientSampleId :
SOIL-SAMPLE-1

Tgt Ion:152 Resp: 136476
Ion Ratio Lower Upper
152 100
150 157.1 127.4 191.2
115 59.4 46.2 69.4



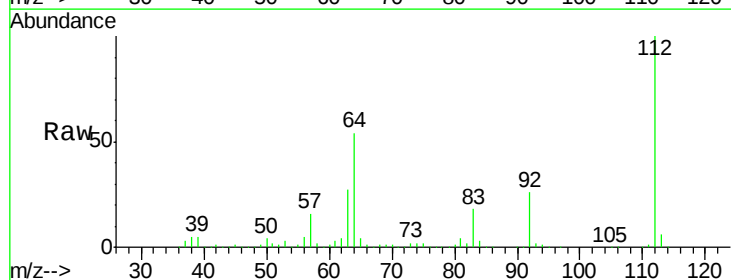
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



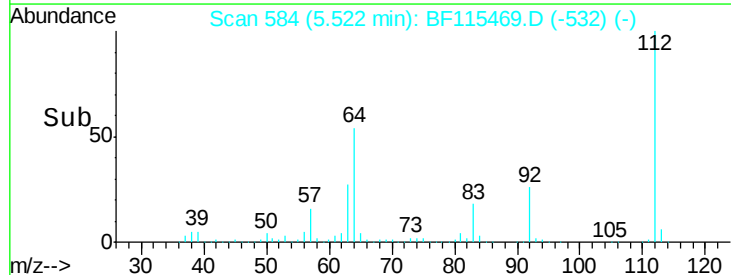
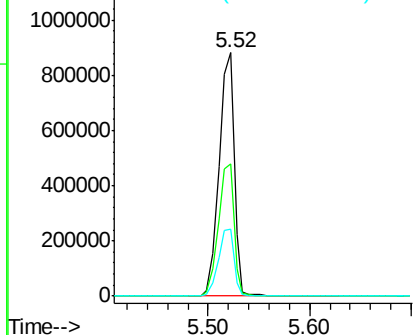
#5

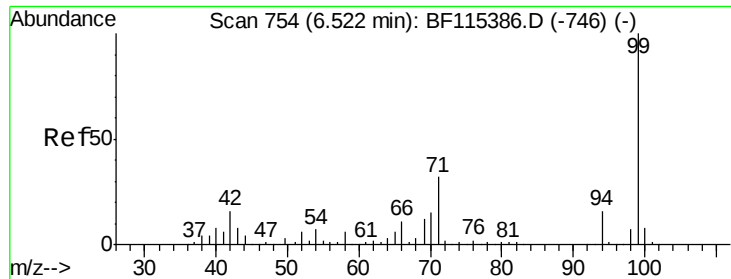
2-Fluorophenol
Concen: 104.045 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF115469.D
Acq: 10 Jul 2019 21:42

Tgt Ion:112 Resp: 919053
Ion Ratio Lower Upper
112 100
64 54.2 44.2 66.2
63 27.4 22.1 33.1



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: 95.752 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF115469.D

Acq: 10 Jul 2019 21:42

Instrument :

BNA_F

ClientSampleId :

SOIL-SAMPLE-1

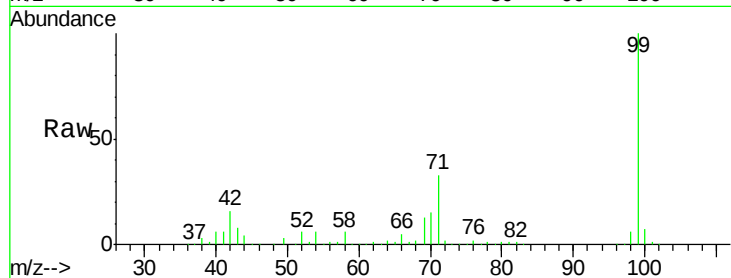
Tgt Ion: 99 Resp: 1075677

Ion Ratio Lower Upper

99 100

42 16.2 12.8 19.2

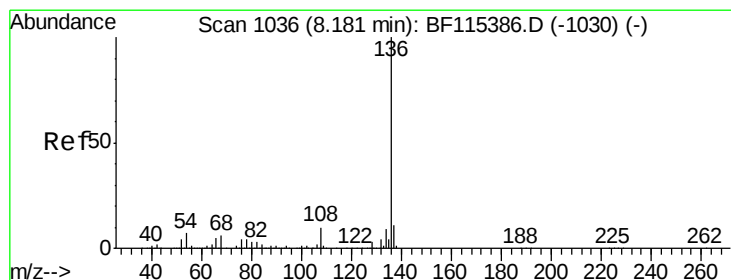
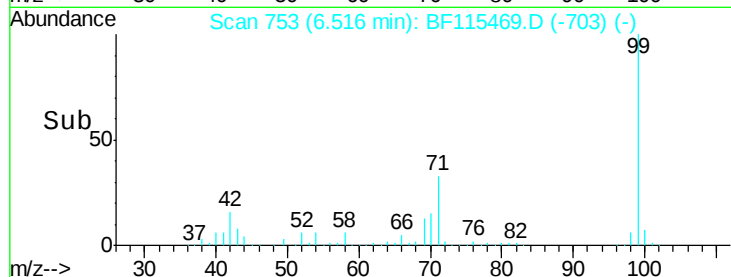
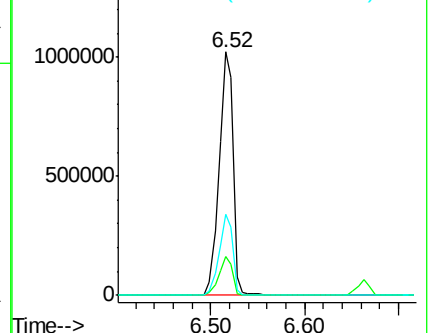
71 33.3 26.5 39.7



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF115469.D

Acq: 10 Jul 2019 21:42

Tgt Ion: 136 Resp: 514465

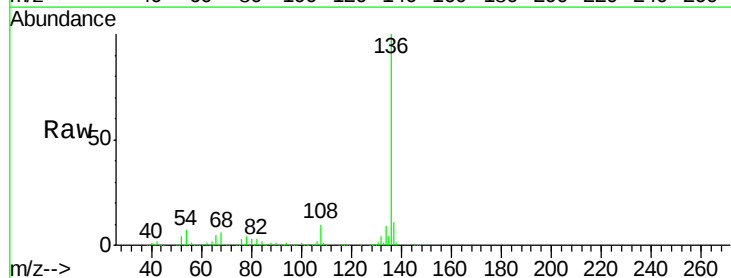
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 6.5 5.4 8.0

68 6.0 4.8 7.2

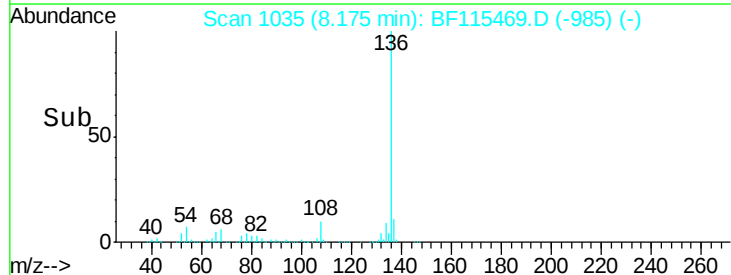
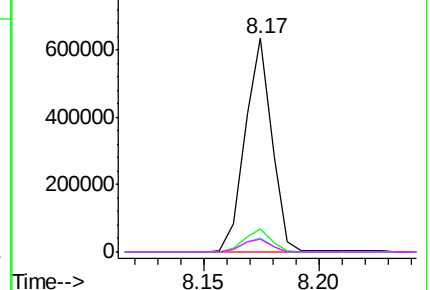


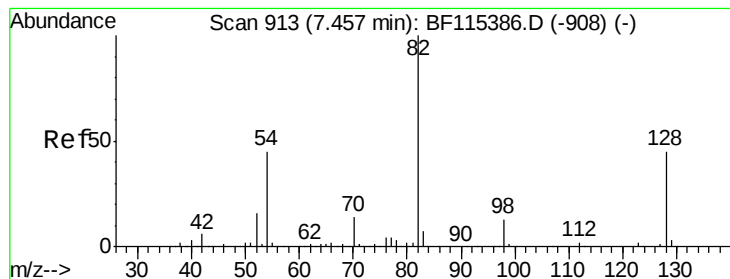
Abundance Ion 136.00 (135.70 to 136.70): E

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: 95.322 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF115469.D

Acq: 10 Jul 2019 21:42

Instrument :

BNA_F

ClientSampleId :

SOIL-SAMPLE-1

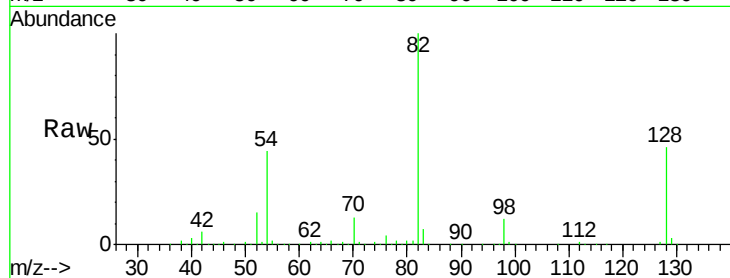
Tgt Ion: 82 Resp: 830015

Ion Ratio Lower Upper

82 100

128 46.4 36.7 55.1

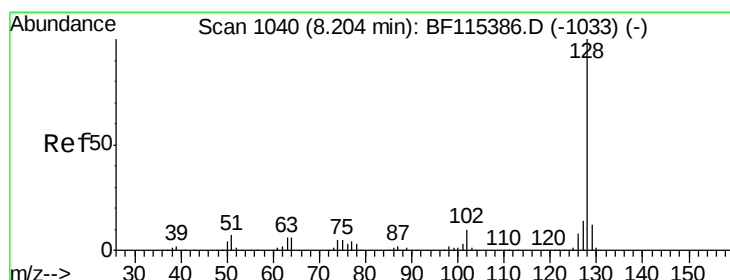
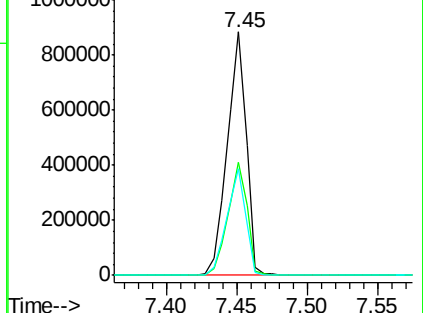
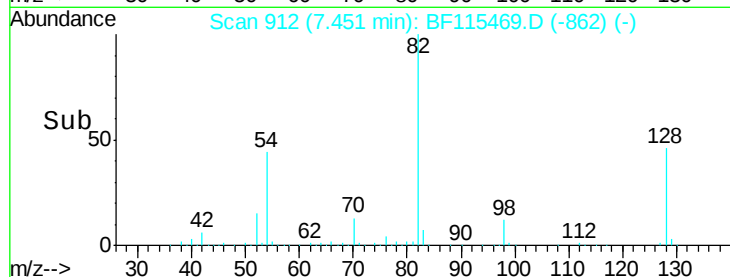
54 43.8 35.6 53.4



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#31

Naphthalene

Concen: 11.273 ng

RT: 8.19 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF115469.D

Acq: 10 Jul 2019 21:42

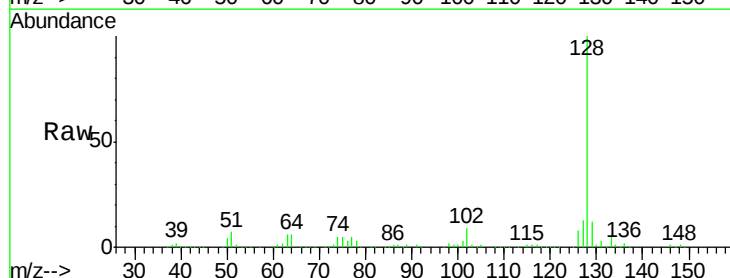
Tgt Ion: 128 Resp: 288059

Ion Ratio Lower Upper

128 100

129 12.0 9.3 13.9

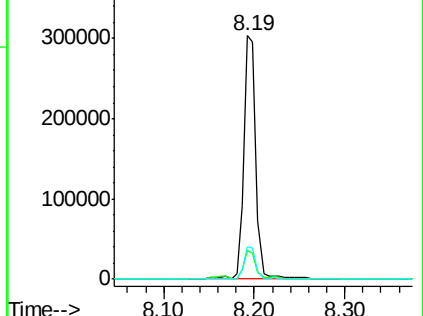
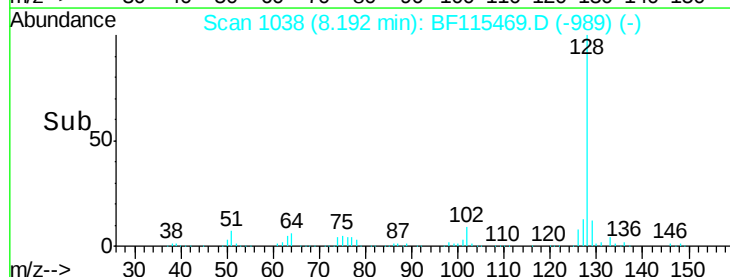
127 13.1 11.1 16.7

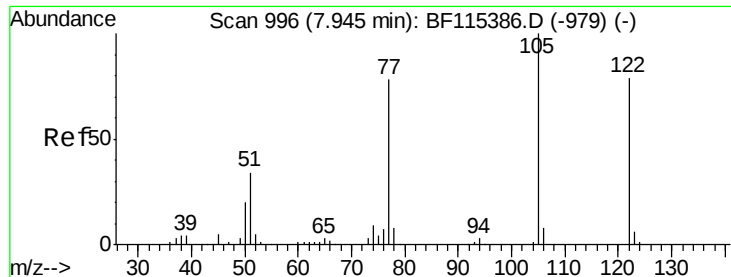


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

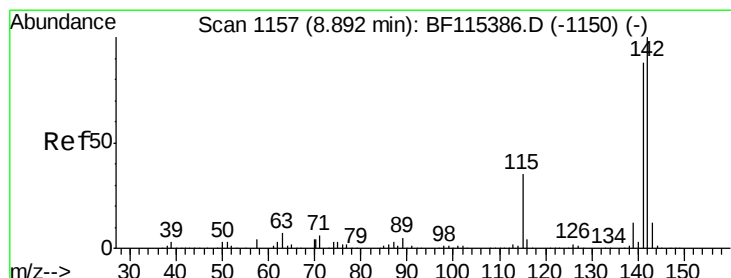
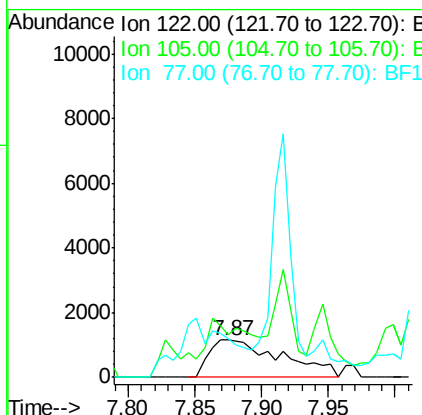
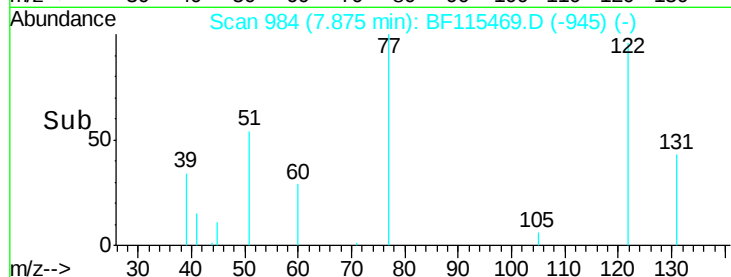
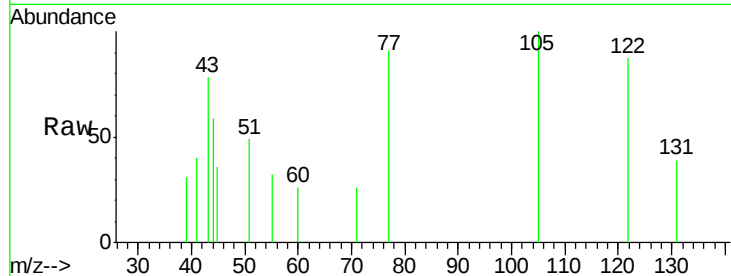




#32
Benzoic acid
Concen: 6.719 ng
RT: 7.87 min Scan# 984
Delta R.T. -0.07 min
Lab File: BF115469.D
Acq: 10 Jul 2019 21:42

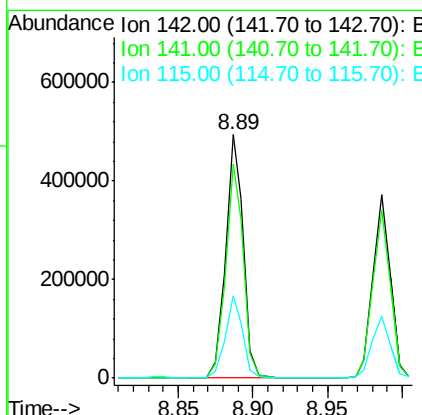
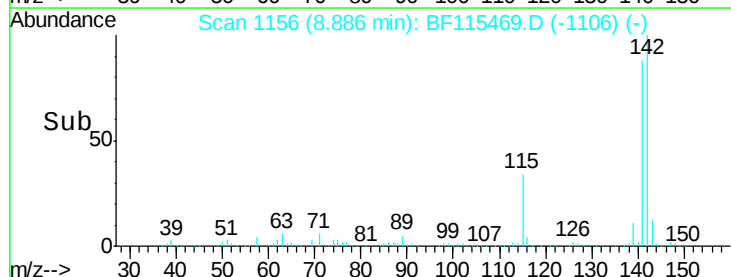
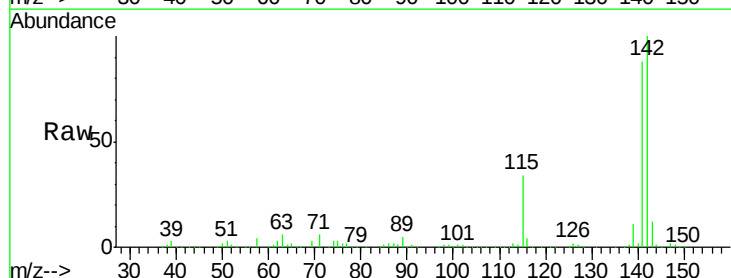
Instrument :
BNA_F
ClientSampleId :
SOIL-SAMPLE-1

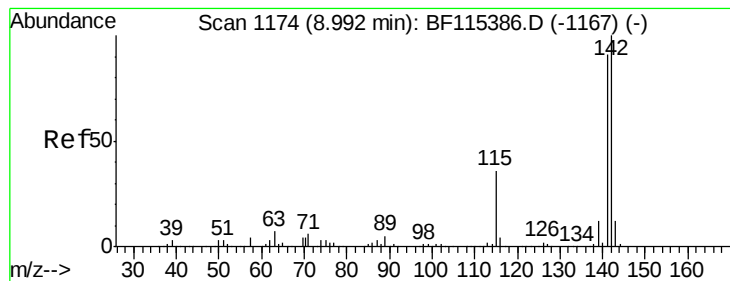
Tgt Ion:122 Resp: 4346
Ion Ratio Lower Upper
122 100
105 115.0 101.6 141.6
77 104.7 69.1 109.1



#37
2-Methylnaphthalene
Concen: 24.157 ng
RT: 8.89 min Scan# 1156
Delta R.T. -0.01 min
Lab File: BF115469.D
Acq: 10 Jul 2019 21:42

Tgt Ion:142 Resp: 412597
Ion Ratio Lower Upper
142 100
141 88.1 72.1 108.1
115 33.9 27.6 41.4





#38

1-Methylnaphthalene

Concen: 18.671 ng

RT: 8.99 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF115469.D

Acq: 10 Jul 2019 21:42

Instrument :

BNA_F

ClientSampleId :

SOIL-SAMPLE-1

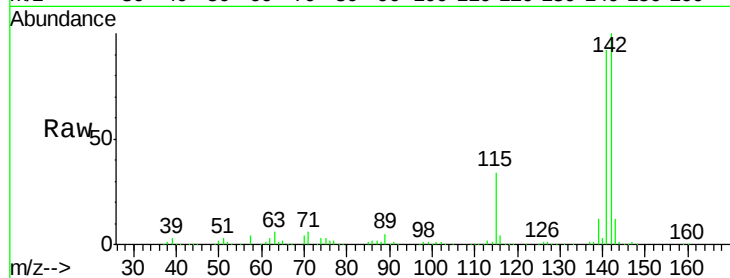
Tgt Ion:142 Resp: 304275

Ion Ratio Lower Upper

142 100

141 91.7 74.3 111.5

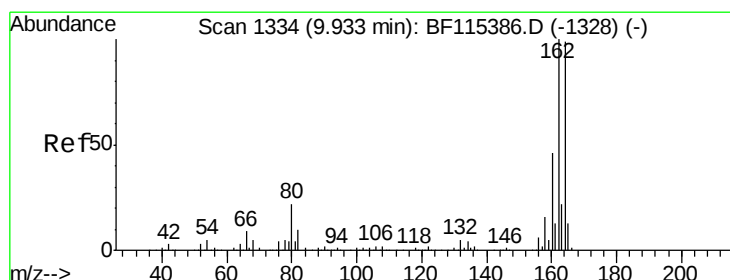
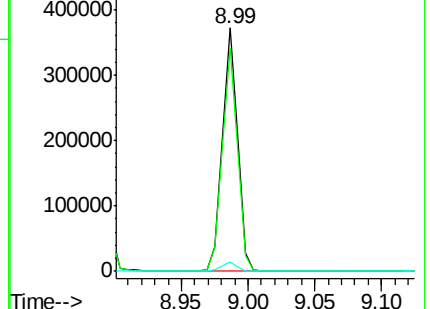
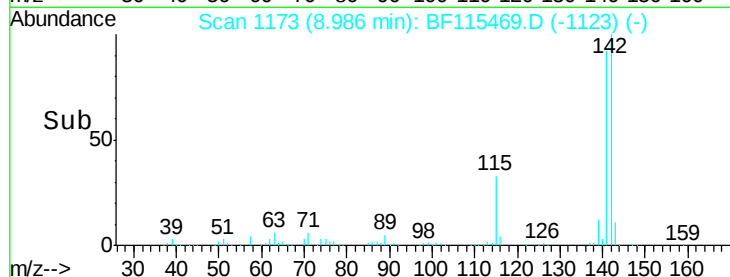
116 3.7 3.1 4.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF115469.D

Acq: 10 Jul 2019 21:42

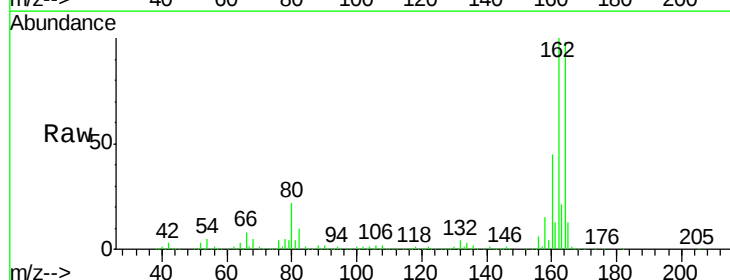
Tgt Ion:164 Resp: 258744

Ion Ratio Lower Upper

164 100

162 101.6 82.3 123.5

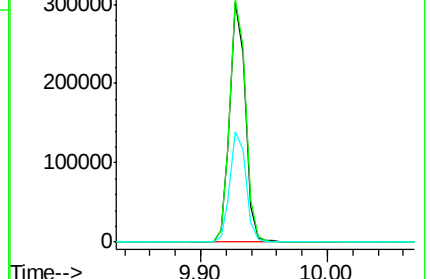
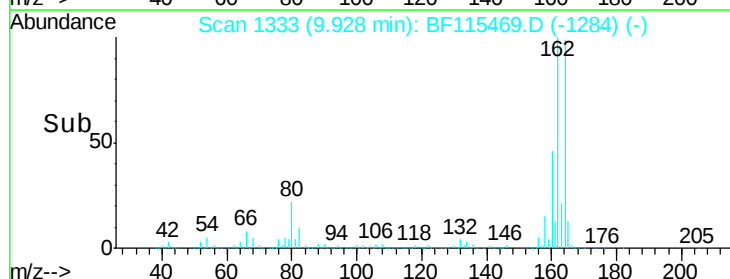
160 46.2 37.2 55.8

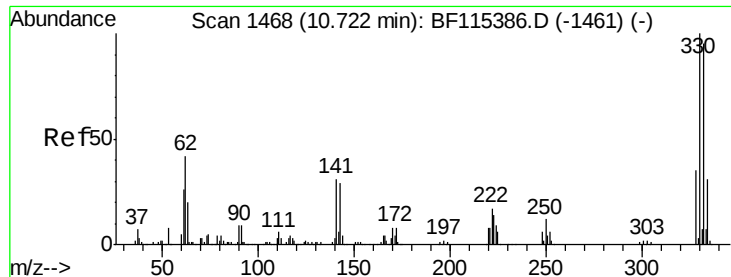


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 133.507 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF115469.D

Acq: 10 Jul 2019 21:42

Instrument :

BNA_F

ClientSampleId :

SOIL-SAMPLE-1

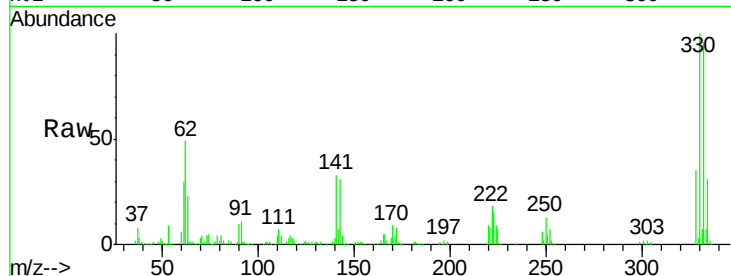
Tgt Ion:330 Resp: 381942

Ion Ratio Lower Upper

330 100

332 95.6 77.4 116.0

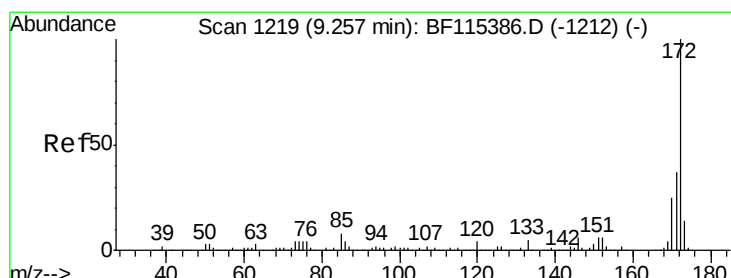
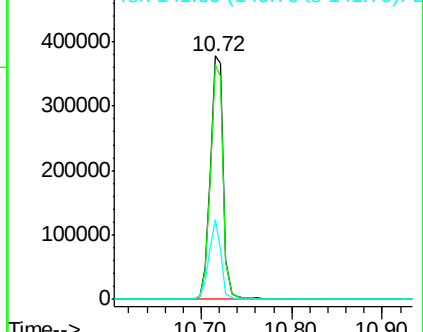
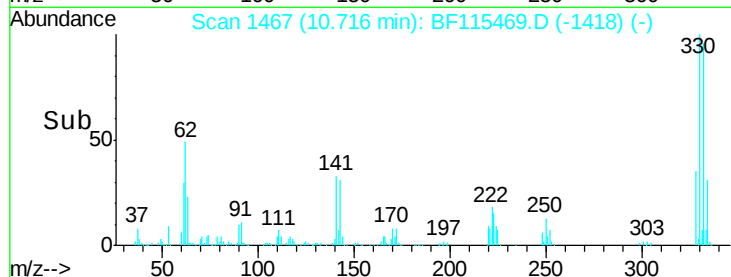
141 30.7 24.7 37.1



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: 100.331 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BF115469.D

Acq: 10 Jul 2019 21:42

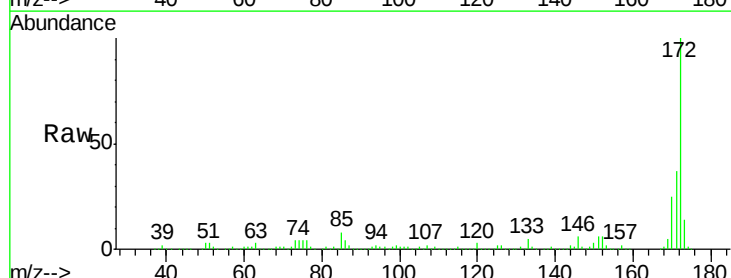
Tgt Ion:172 Resp: 1479413

Ion Ratio Lower Upper

172 100

171 37.0 29.8 44.8

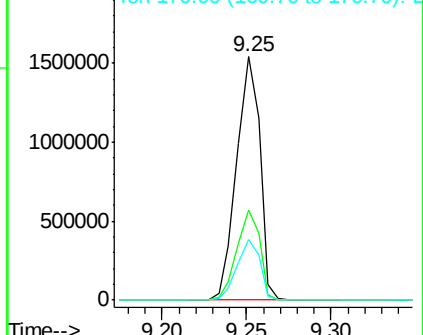
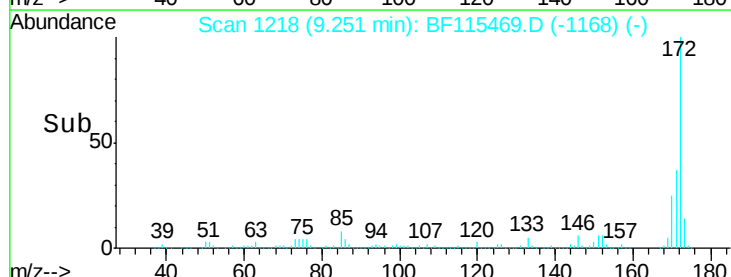
170 25.1 20.0 30.0

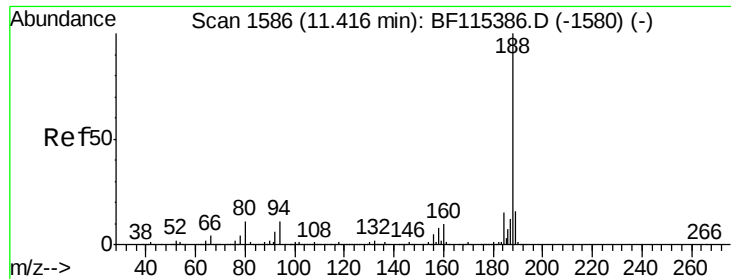


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

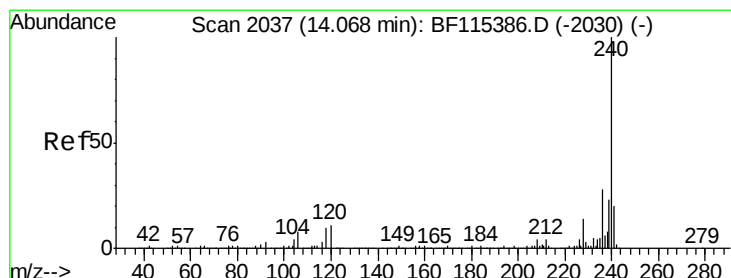
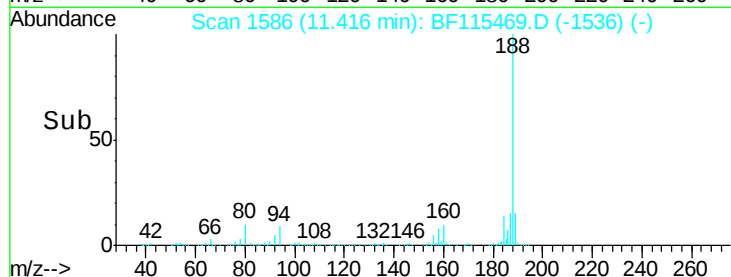
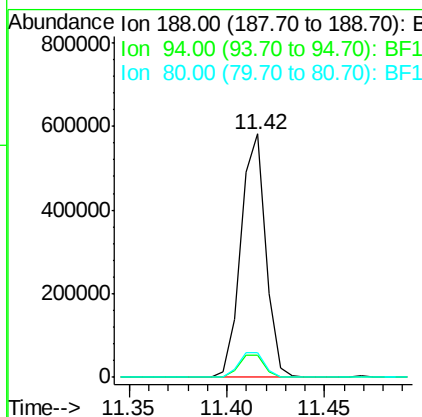
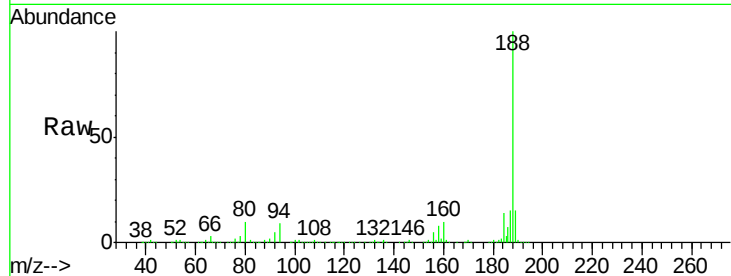




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF115469.D
Acq: 10 Jul 2019 21:42

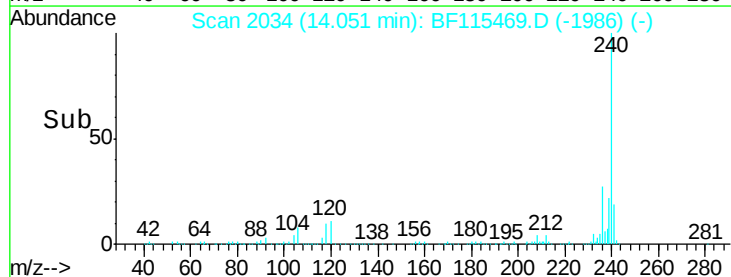
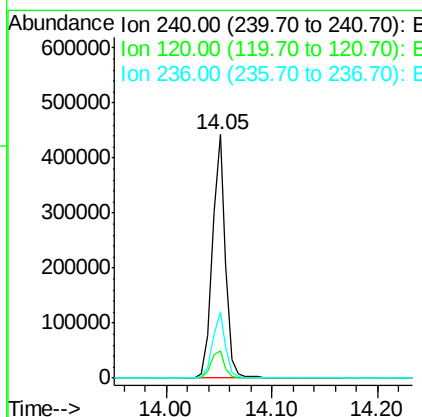
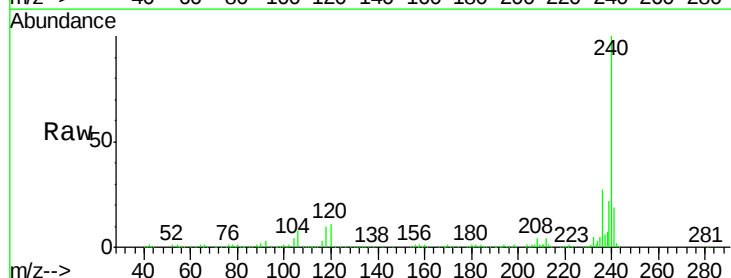
Instrument :
BNA_F
ClientSampleId :
SOIL-SAMPLE-1

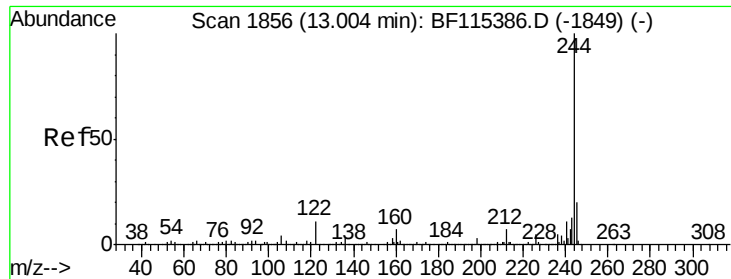
Tgt Ion:188 Resp: 512960
Ion Ratio Lower Upper
188 100
94 9.2 7.8 11.8
80 9.9 8.4 12.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.02 min
Lab File: BF115469.D
Acq: 10 Jul 2019 21:42

Tgt Ion:240 Resp: 384689
Ion Ratio Lower Upper
240 100
120 11.0 10.2 15.4
236 26.8 21.1 31.7





#79

Terphenyl-d14

Concen: 95.779 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF115469.D

Acq: 10 Jul 2019 21:42

Instrument :

BNA_F

ClientSampleId :

SOIL-SAMPLE-1

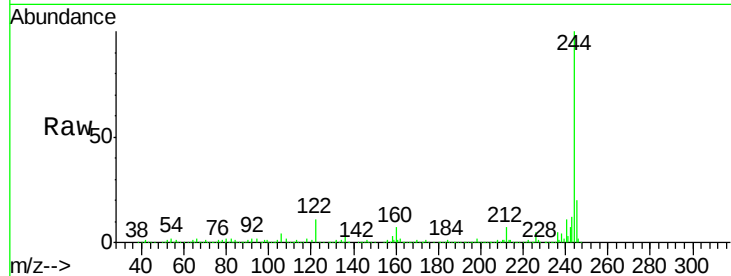
Tgt Ion:244 Resp: 1799519

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

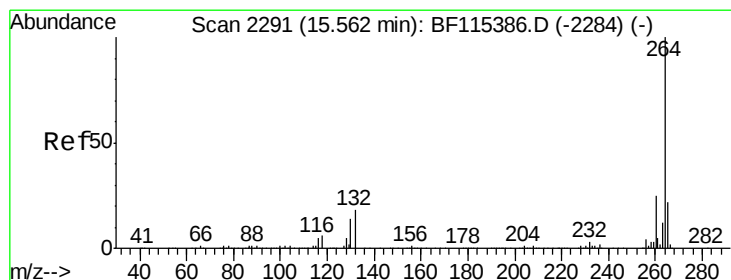
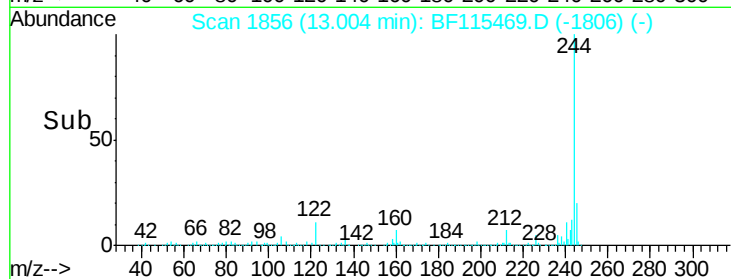
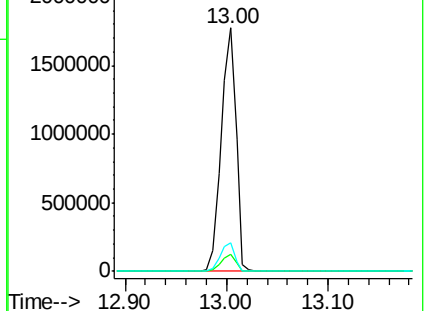
122 11.5 9.1 13.7



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: 15.53 min Scan# 2285

Delta R.T. -0.04 min

Lab File: BF115469.D

Acq: 10 Jul 2019 21:42

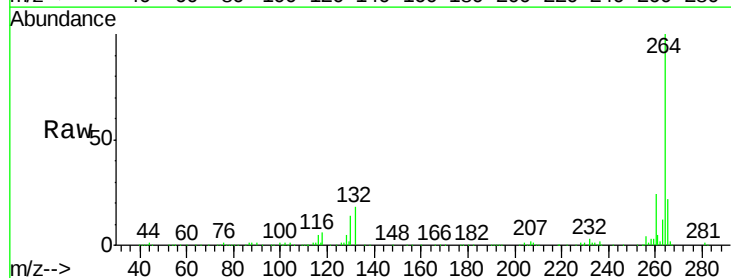
Tgt Ion:264 Resp: 351934

Ion Ratio Lower Upper

264 100

260 24.2 20.1 30.1

265 21.5 17.8 26.6



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

