

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011020\
 Data File : BF118523.D
 Acq On : 10 Jan 2020 19:11
 Operator : JU
 Sample : L1064-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-A

Quant Time: Jan 11 03:25:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 08 16:06:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	83265	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	281659	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	181511	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	300945	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	211946	20.00	ng	-0.01
87) Perylene-d12	15.52	264	205009	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	597766	118.51	ng	0.01
7) Phenol-d6	6.47	99	527486	87.47	ng	0.00
23) Nitrobenzene-d5	7.40	82	508060	94.76	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	273794	127.83	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	928522	73.37	ng	-0.01
79) Terphenyl-d14	12.96	244	1027767	76.84	ng	0.00

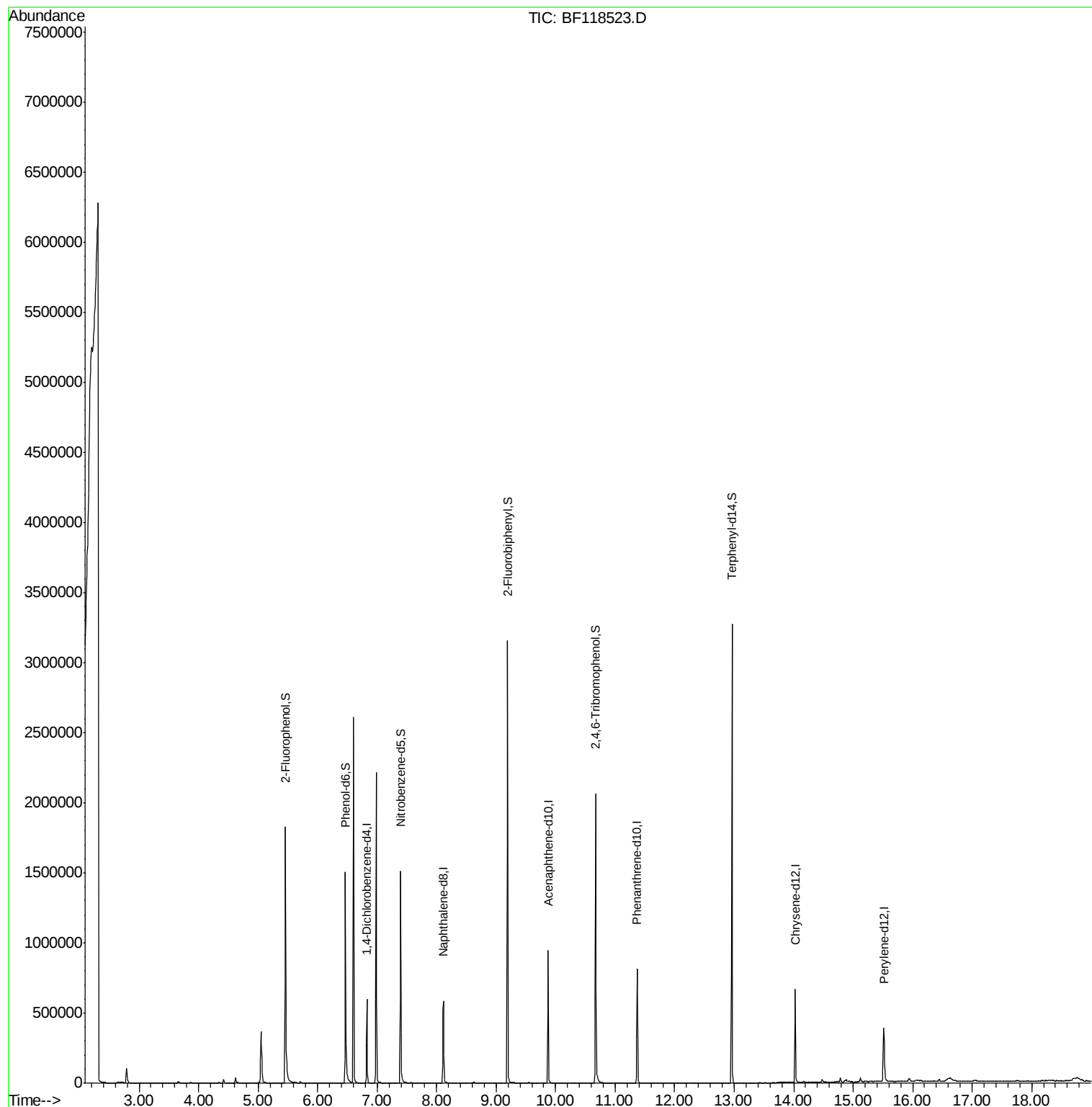
Target Compounds Qvalue

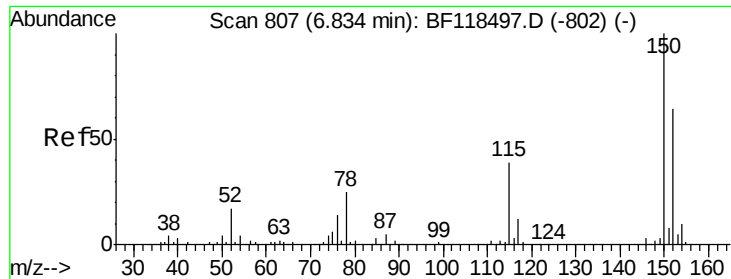
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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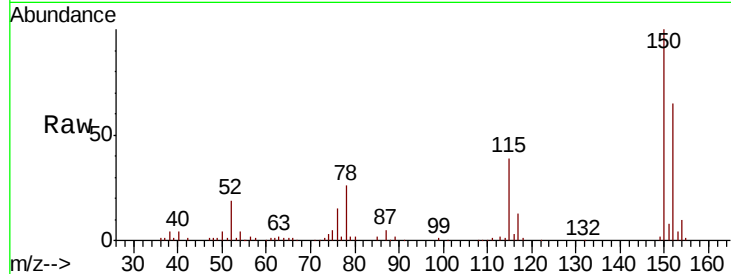


#1

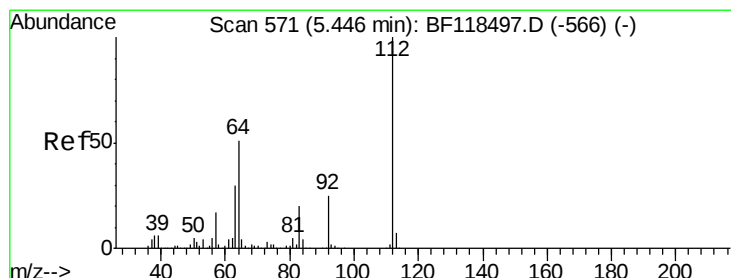
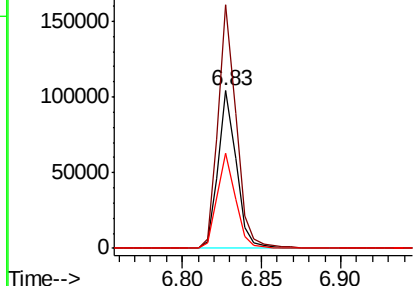
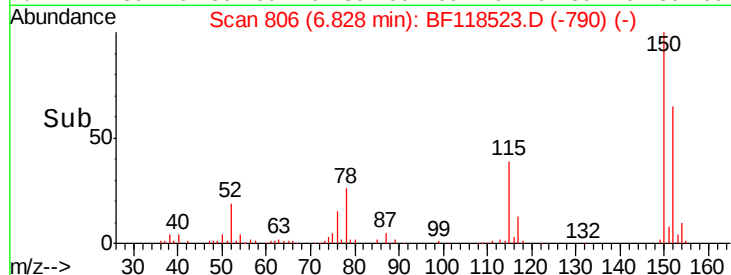
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: BF118523.D
 Acq: 10 Jan 2020 19:11

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-A

Tot Ion:152 Resp: 83265
 Ion Ratio Lower Upper
 152 100
 150 154.7 124.7 187.1
 115 60.3 49.0 73.6



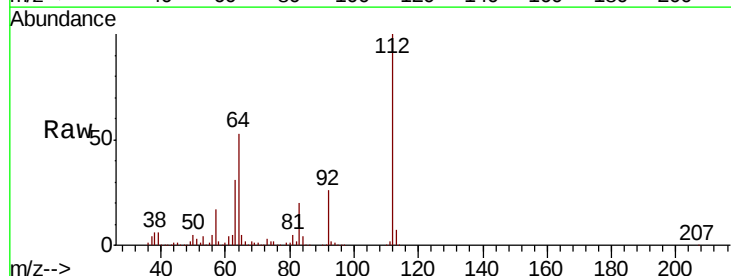
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



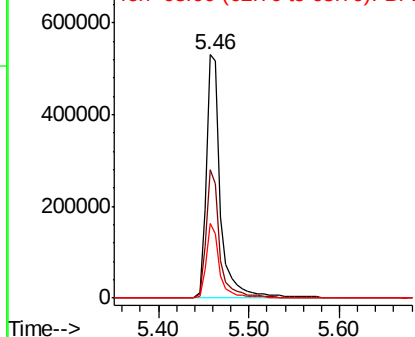
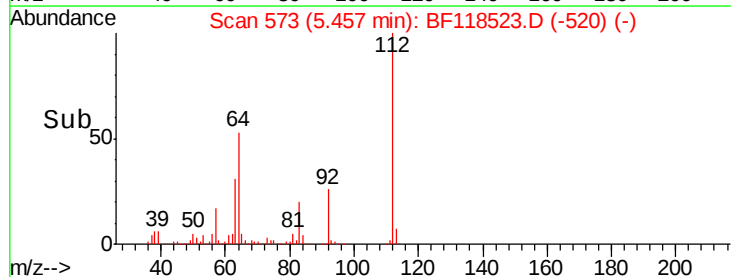
#5

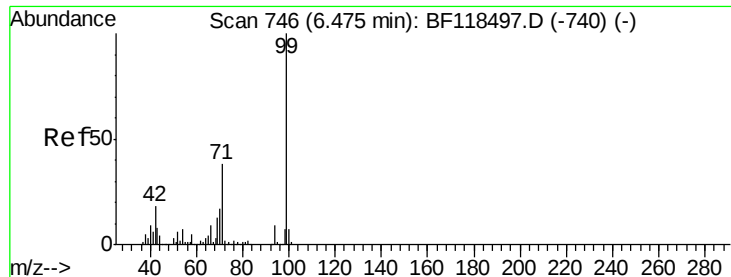
2-Fluorophenol
 Concen: 118.509 ng
 RT: 5.46 min Scan# 573
 Delta R.T. 0.01 min
 Lab File: BF118523.D
 Acq: 10 Jan 2020 19:11

Tgt Ion:112 Resp: 597766
 Ion Ratio Lower Upper
 112 100
 64 53.0 41.1 61.7
 63 30.7 24.1 36.1



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: 87.470 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF118523.D

Acq: 10 Jan 2020 19:11

Instrument :

BNA_F

ClientSampleId :

SOIL-A

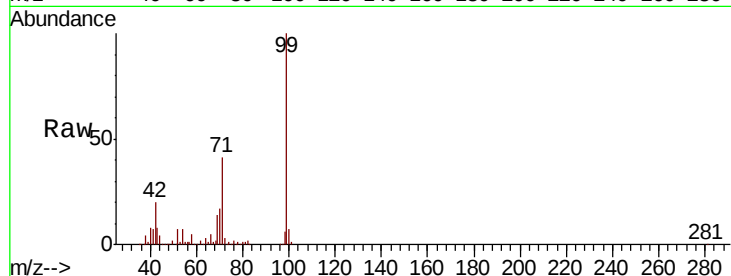
Tot Ion: 99 Resp: 527486

Ion Ratio Lower Upper

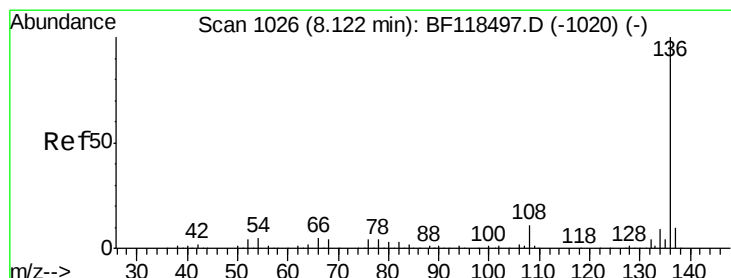
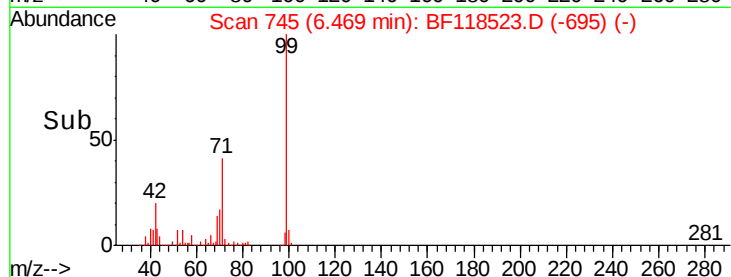
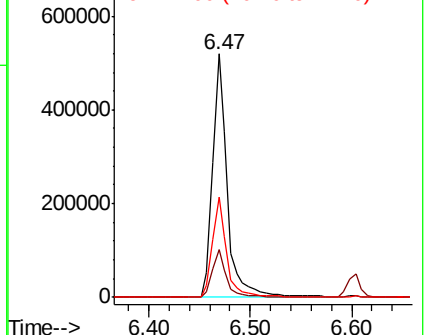
99 100

42 19.6 14.5 21.7

71 41.0 30.6 45.8



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: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF118523.D

Acq: 10 Jan 2020 19:11

Tgt Ion: 136 Resp: 281659

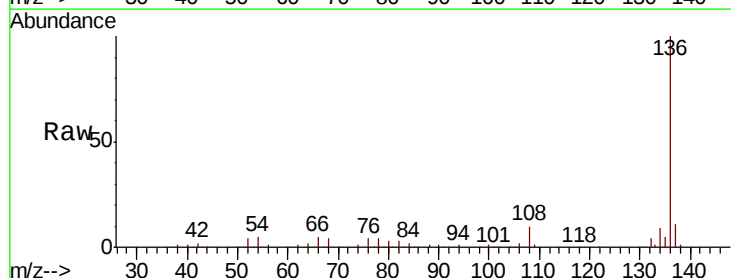
Ion Ratio Lower Upper

136 100

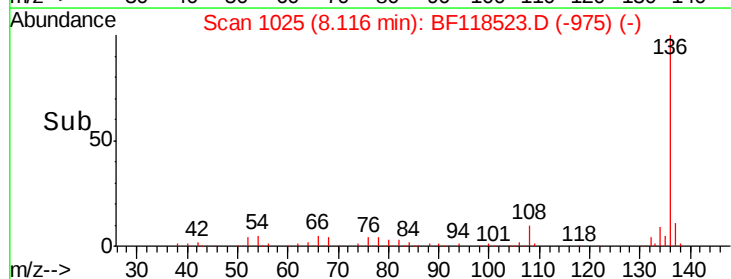
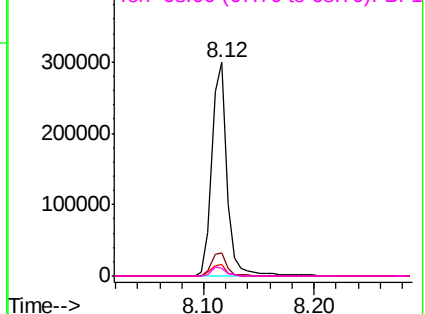
137 11.0 8.3 12.5

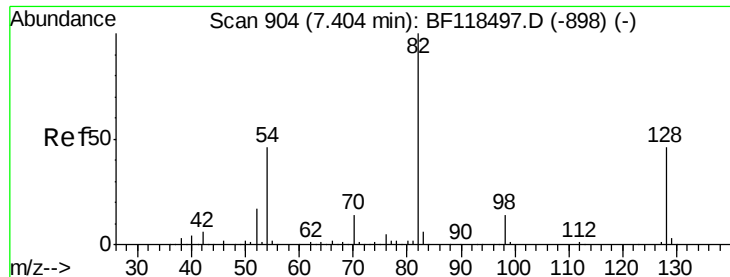
54 5.3 4.2 6.2

68 3.8 3.3 4.9



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: 94.757 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF118523.D

Acq: 10 Jan 2020 19:11

Instrument :

BNA_F

ClientSampleId :

SOIL-A

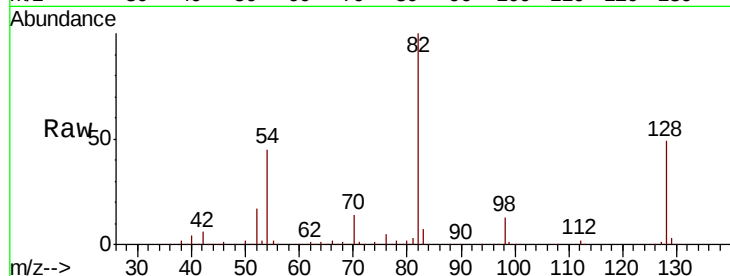
Tot Ion: 82 Resp: 508060

Ion Ratio Lower Upper

82 100

128 49.3 36.6 54.8

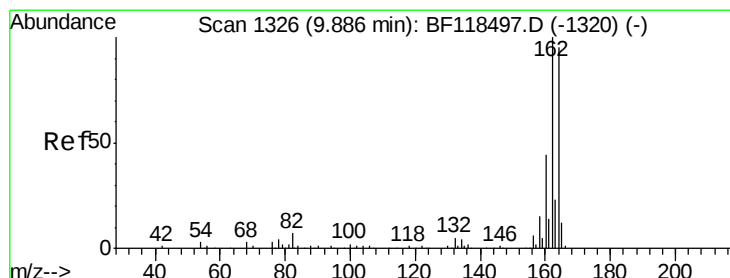
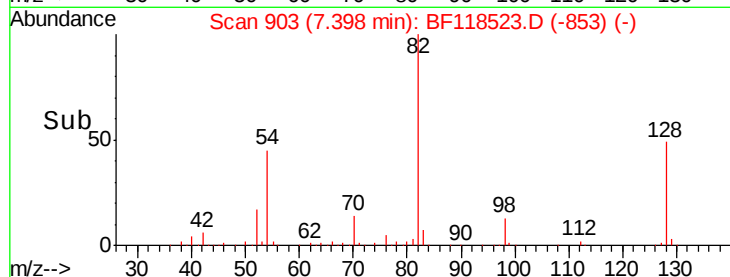
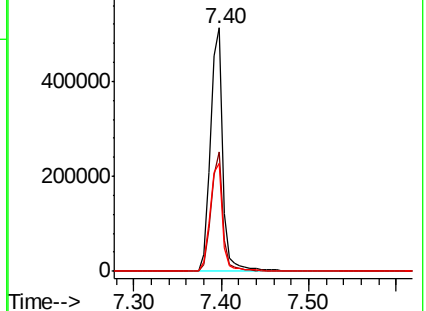
54 44.6 37.0 55.6



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF118523.D

Acq: 10 Jan 2020 19:11

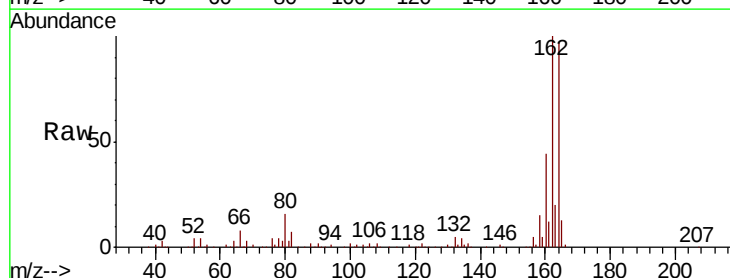
Tgt Ion:164 Resp: 181511

Ion Ratio Lower Upper

164 100

162 102.8 84.2 126.4

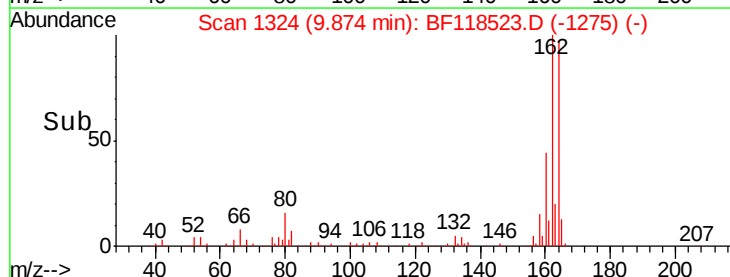
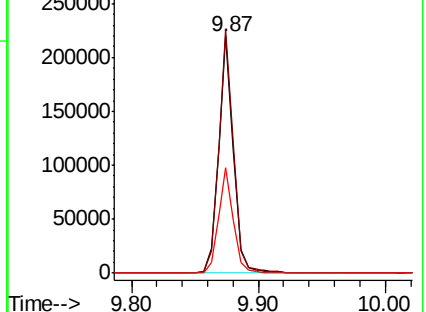
160 44.7 36.8 55.2

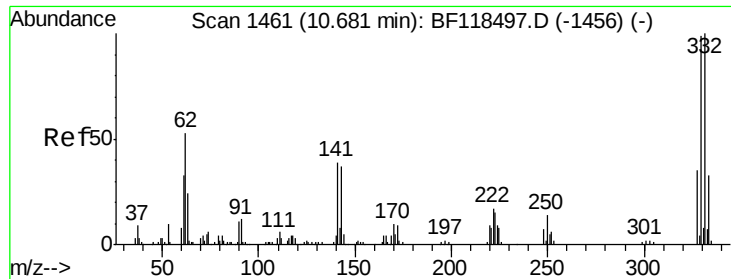


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

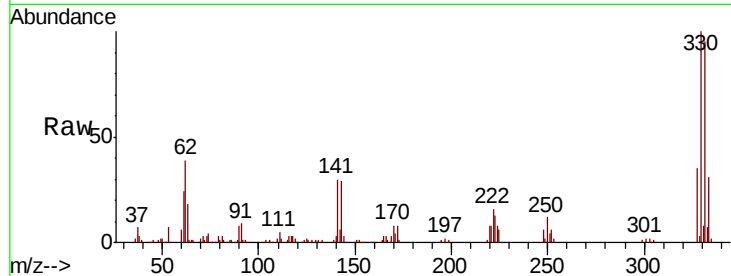




#42
 2,4,6-Tribromophenol
 Concen: 127.834 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF118523.D
 Acq: 10 Jan 2020 19:11

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.9	116.9
141	33.7	28.6	43.0

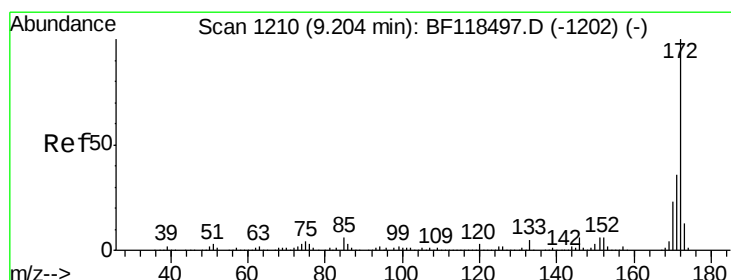
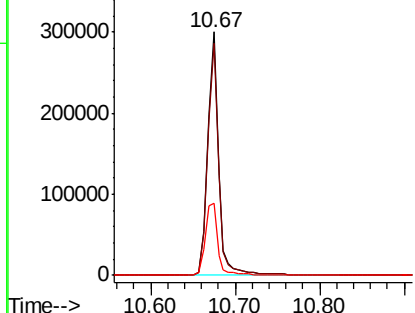
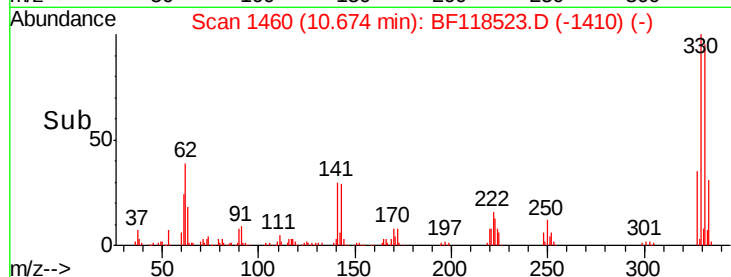


Abundance

Ion 329.80 (329.50 to 330.50): E

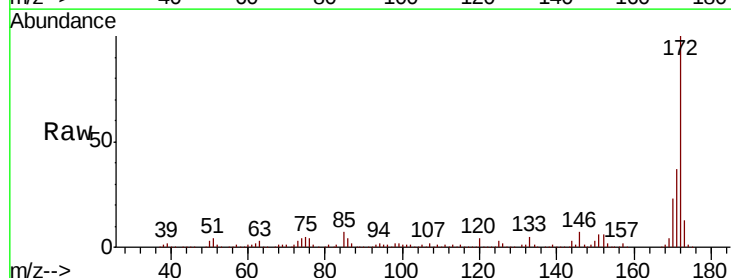
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 73.367 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF118523.D
 Acq: 10 Jan 2020 19:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	28.6	42.8
170	23.4	18.6	27.8

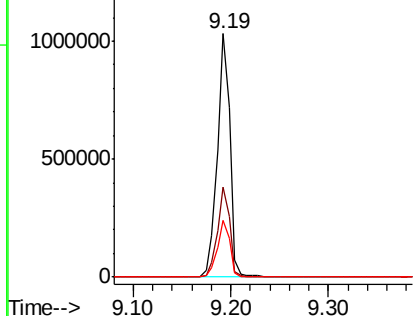
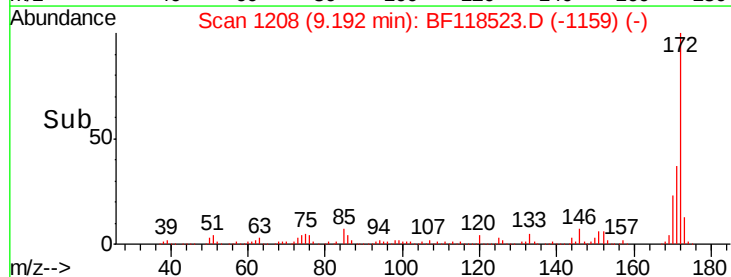


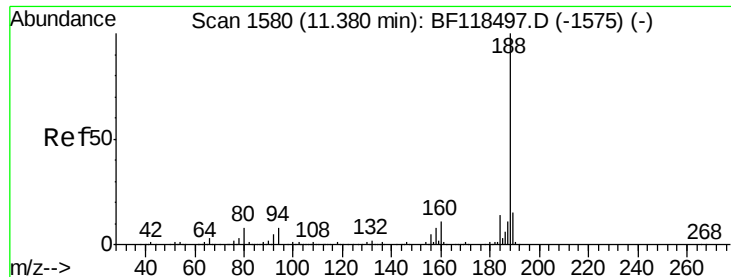
Abundance

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

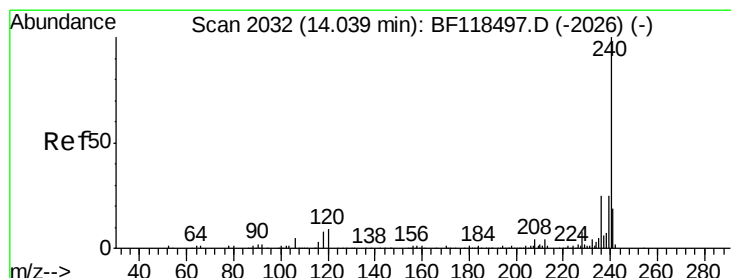
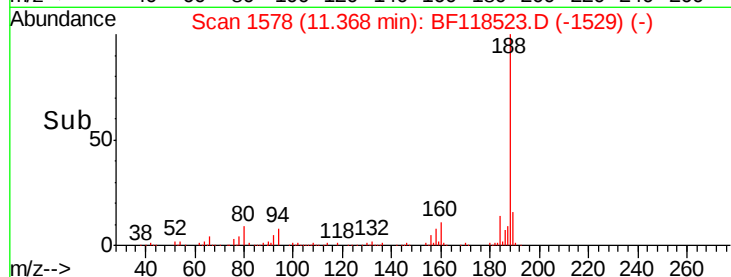
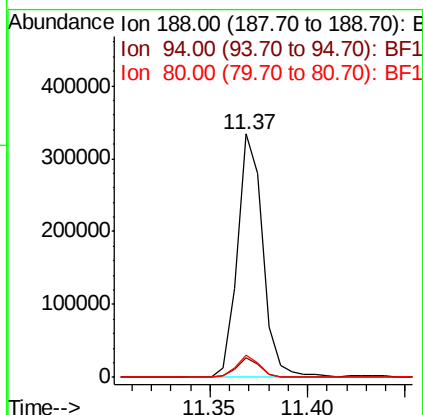
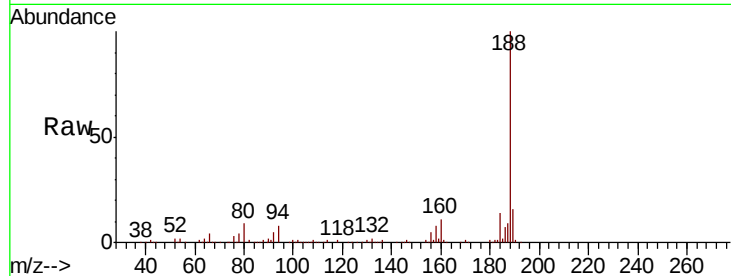




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF118523.D
Acq: 10 Jan 2020 19:11

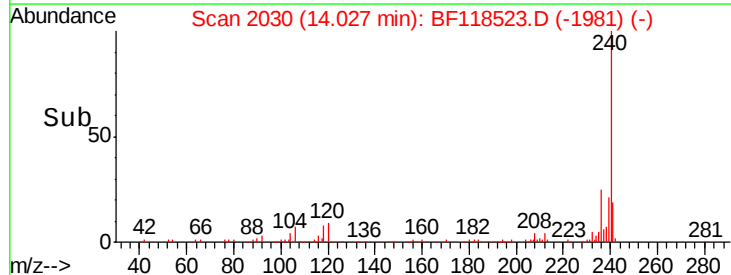
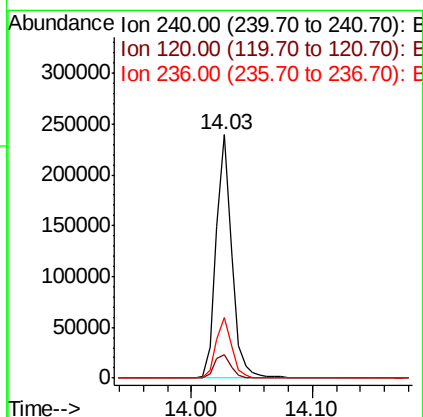
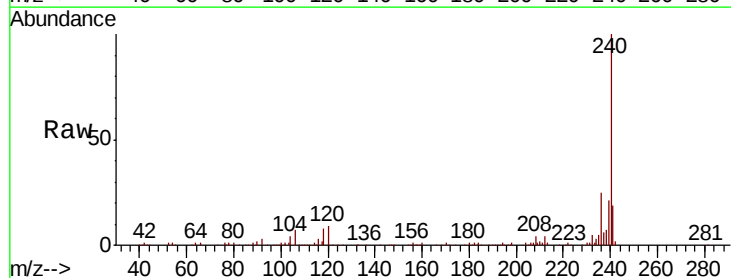
Instrument :
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SOIL-A

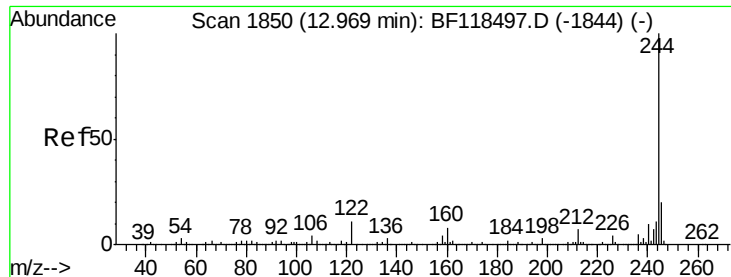
Tot Ion:188 Resp: 300945
Ion Ratio Lower Upper
188 100
94 8.2 6.2 9.4
80 9.2 6.6 10.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF118523.D
Acq: 10 Jan 2020 19:11

Tgt Ion:240 Resp: 211946
Ion Ratio Lower Upper
240 100
120 9.4 7.0 10.6
236 24.8 20.1 30.1





#79

Terphenyl-d14

Concen: 76.844 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF118523.D

Acq: 10 Jan 2020 19:11

Instrument :

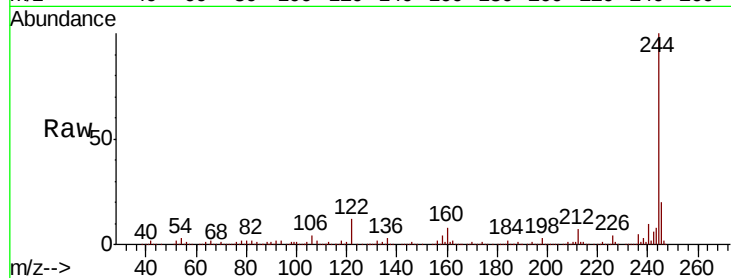
BNA_F

ClientSampleId :

SOIL-A

Tot Ion:244 Resp: 1027767

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	11.5	9.0	13.6

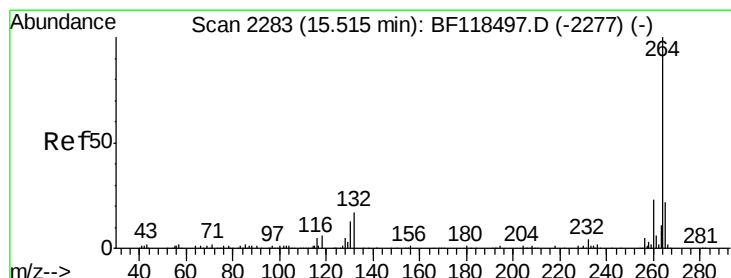
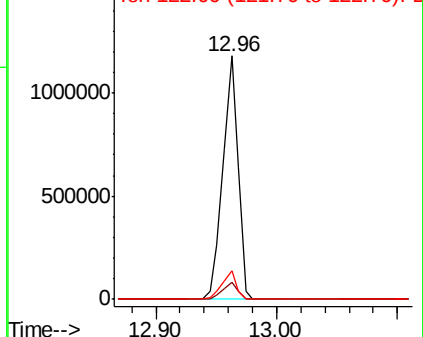
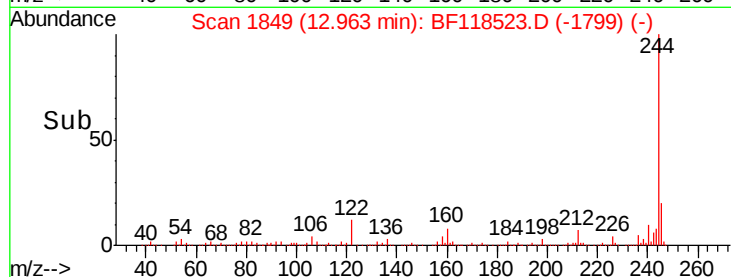


Abundance

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: 15.52 min Scan# 2283

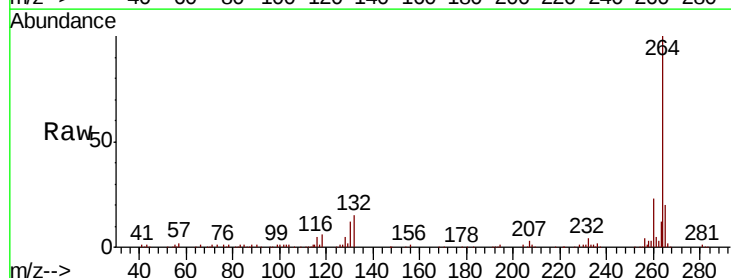
Delta R.T. -0.00 min

Lab File: BF118523.D

Acq: 10 Jan 2020 19:11

Tgt Ion:264 Resp: 205009

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.8	28.2
265	19.8	17.5	26.3



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

