

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
 Data File : BF118171.D
 Acq On : 10 Dec 2019 19:02
 Operator : JU
 Sample : K6188-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP-2

Quant Time: Dec 11 02:55:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	82079	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	295228	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	139253	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	241071	20.00	ng	0.00
76) Chrysene-d12	14.06	240	215161	20.00	ng	0.00
87) Perylene-d12	15.56	264	191903	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	601017	128.25	ng	0.01
7) Phenol-d6	6.50	99	653564	115.30	ng	0.00
23) Nitrobenzene-d5	7.43	82	489654	93.31	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	230251	136.11	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	965306	105.48	ng	0.00
79) Terphenyl-d14	13.00	244	1075429	85.95	ng	0.00

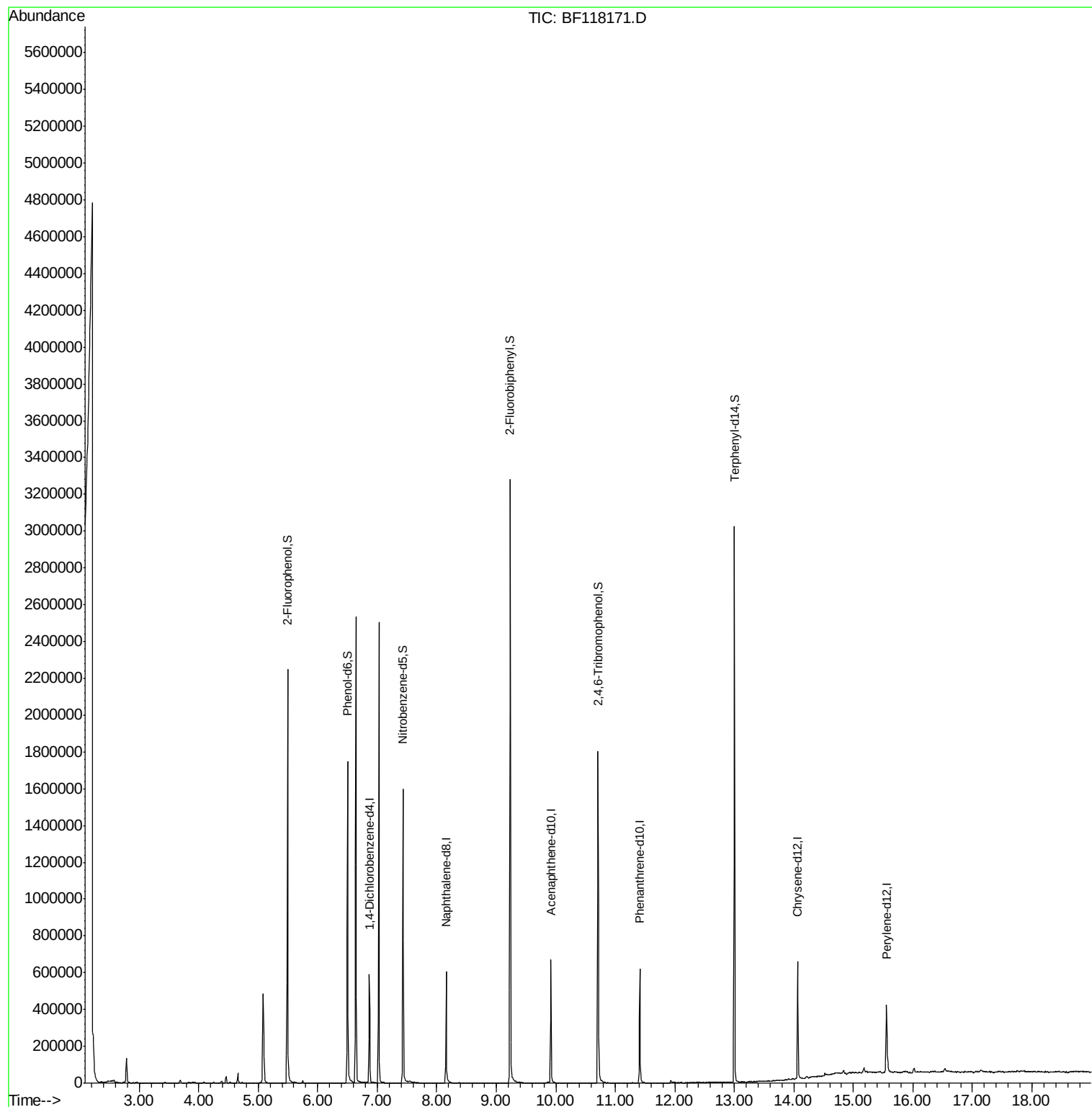
Target Compounds Qvalue

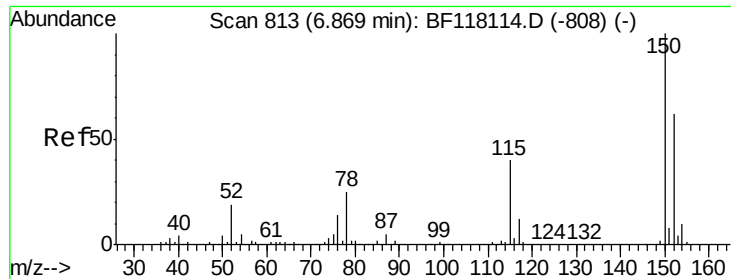
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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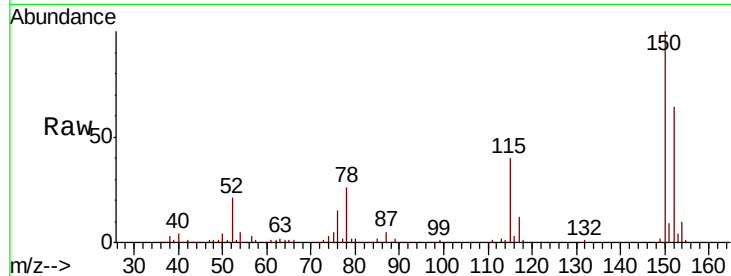


#1

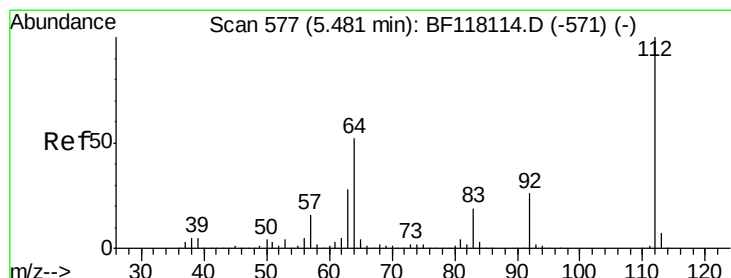
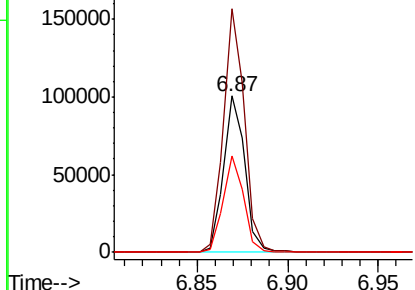
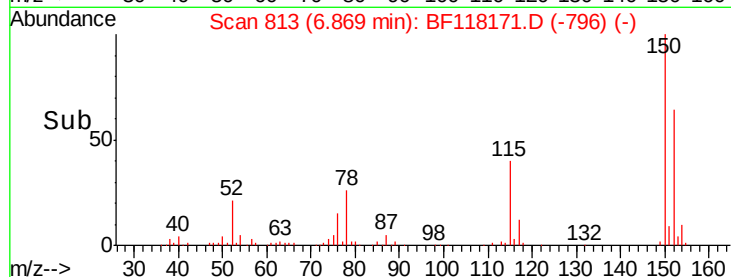
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF118171.D
Acq: 10 Dec 2019 19:02

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-2

Tot Ion:152 Resp: 82079
Ion Ratio Lower Upper
152 100
150 155.5 128.3 192.5
115 62.0 51.1 76.7



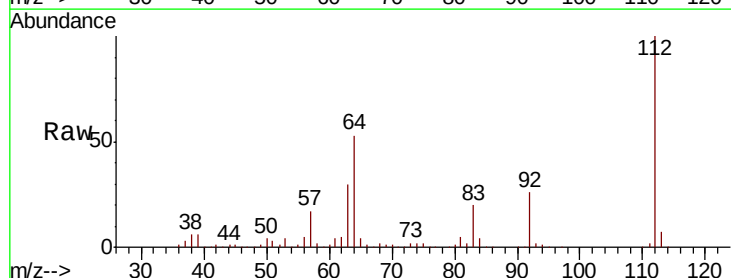
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



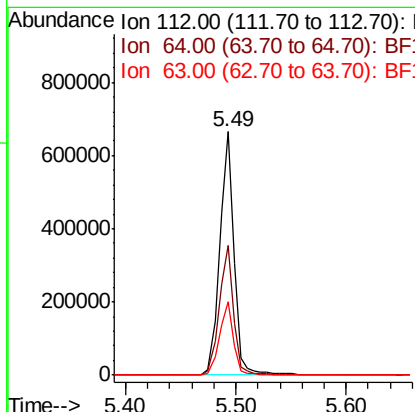
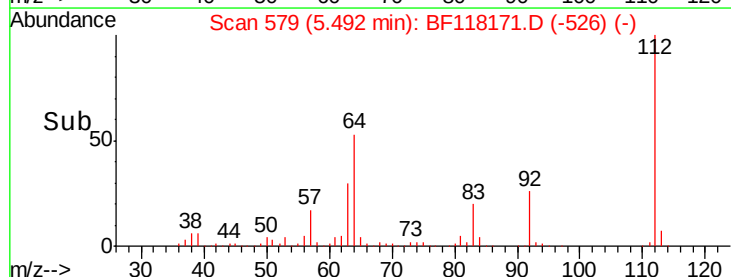
#5

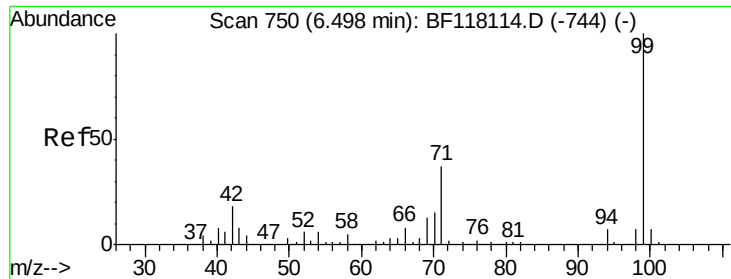
2-Fluorophenol
Concen: 128.250 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF118171.D
Acq: 10 Dec 2019 19:02

Tgt Ion:112 Resp: 601017
Ion Ratio Lower Upper
112 100
64 53.2 41.3 61.9
63 30.2 22.4 33.6



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: 115.303 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF118171.D

Acq: 10 Dec 2019 19:02

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-2

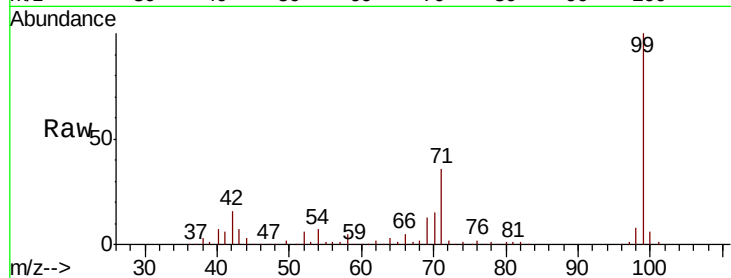
Tot Ion: 99 Resp: 653564

Ion Ratio Lower Upper

99 100

42 16.2 14.1 21.1

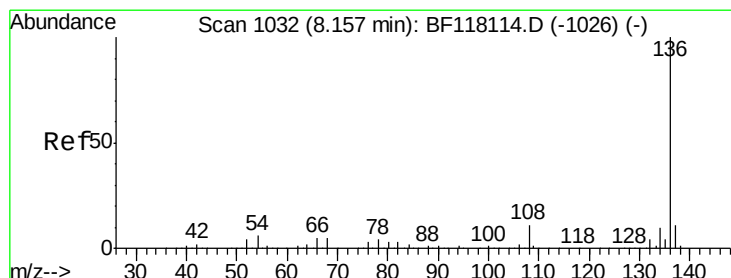
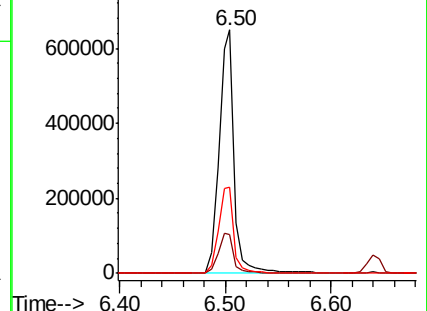
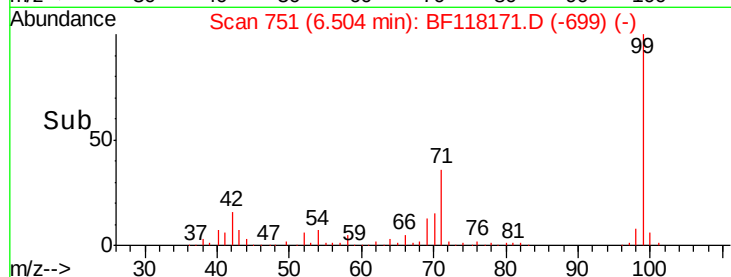
71 35.5 29.7 44.5



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: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF118171.D

Acq: 10 Dec 2019 19:02

Tgt Ion: 136 Resp: 295228

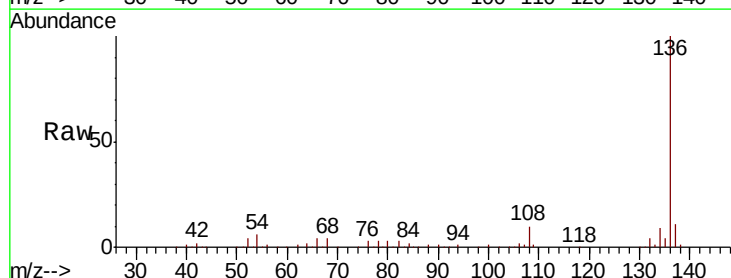
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.6

54 6.1 5.0 7.6

68 4.4 3.8 5.8

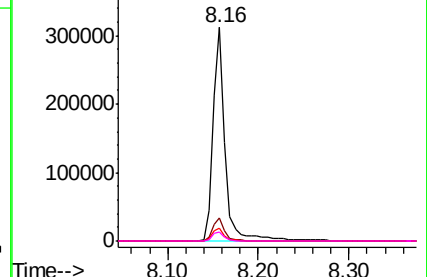
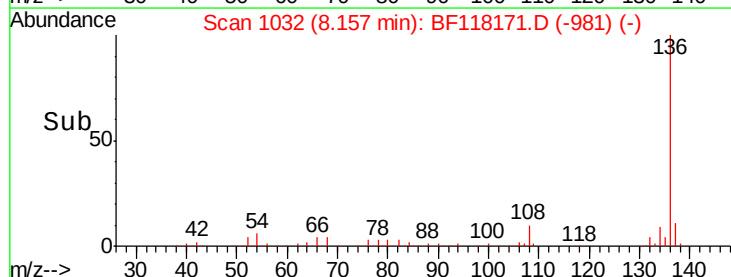


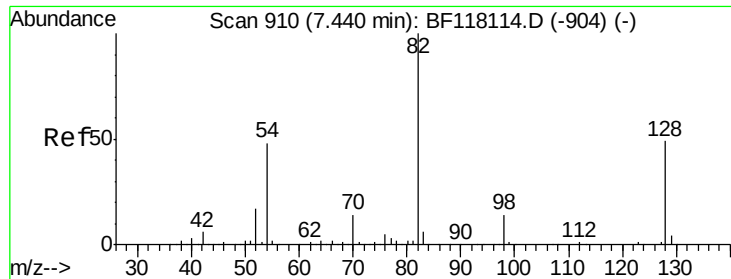
Abundance Ion 136.00 (135.70 to 136.70): E

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

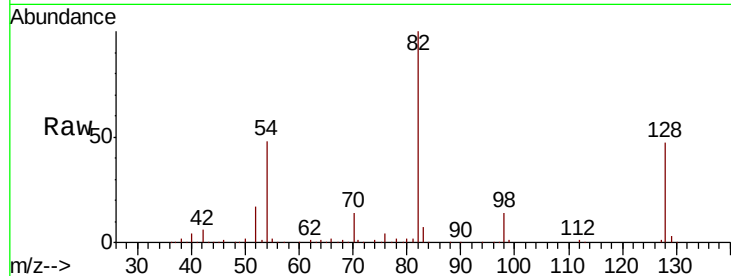




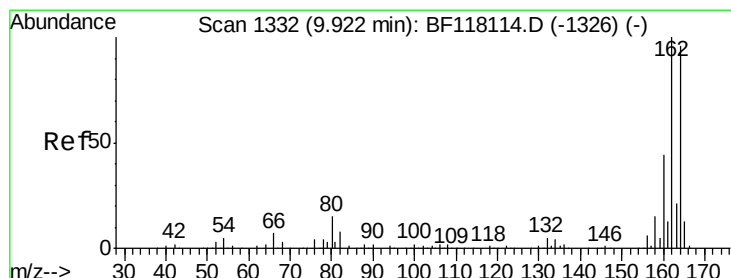
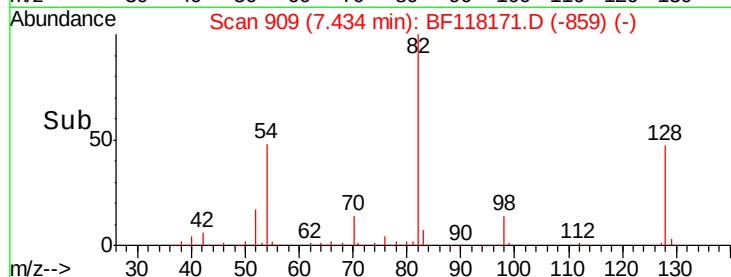
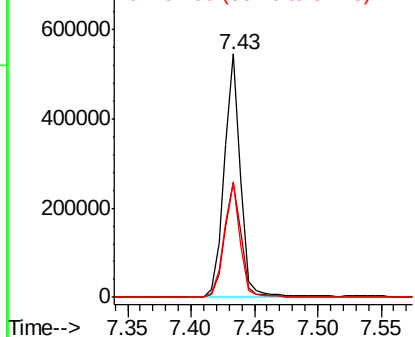
#23
 Nitrobenzene-d5
 Concen: 93.307 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF118171.D
 Acq: 10 Dec 2019 19:02

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP-2

Tot Ion	82	Resp	489654
Ion Ratio	Lower	Upper	
82	100		
128	46.9	39.1	58.7
54	47.6	38.2	57.2

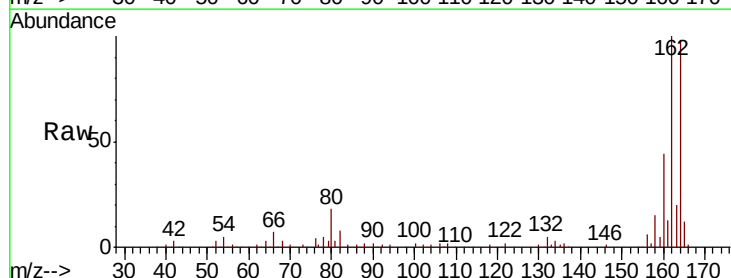


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

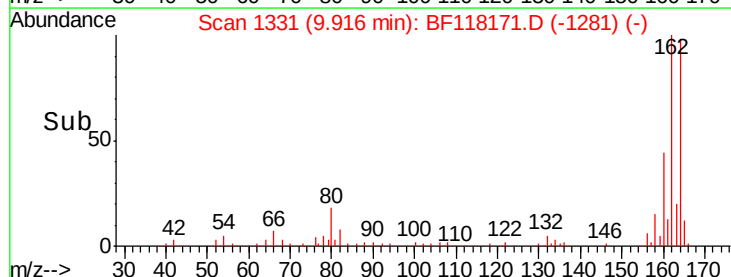
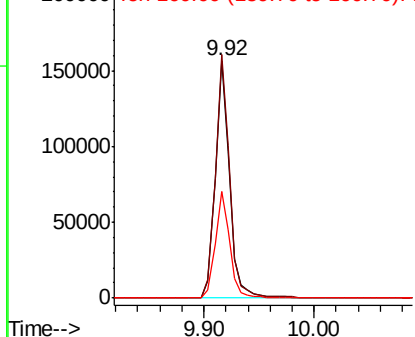


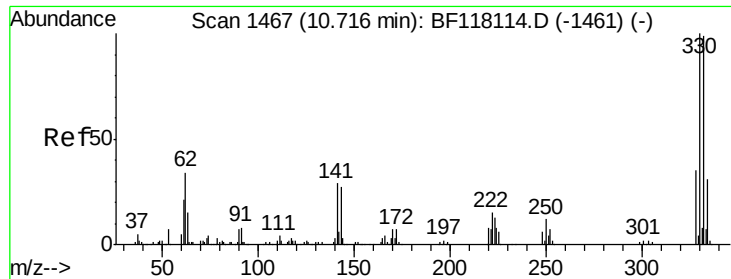
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF118171.D
 Acq: 10 Dec 2019 19:02

Tgt Ion	164	Resp	139253
Ion Ratio	Lower	Upper	
164	100		
162	102.5	83.4	125.0
160	45.0	36.6	54.8



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: 136.109 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF118171.D

Acq: 10 Dec 2019 19:02

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-2

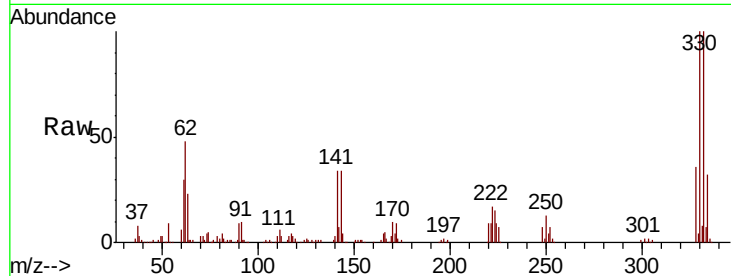
Tot Ion:330 Resp: 230251

Ion Ratio Lower Upper

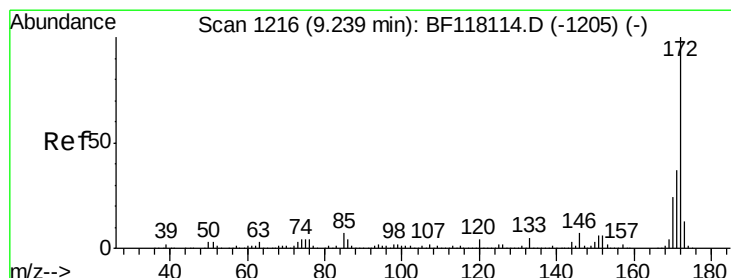
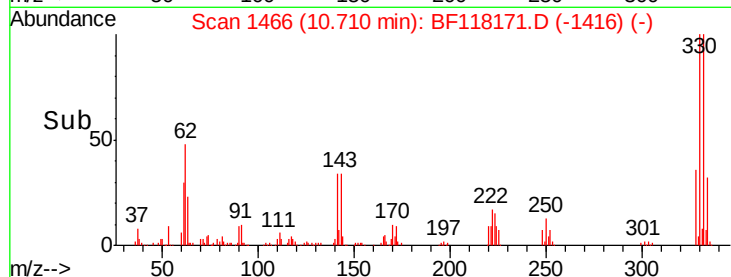
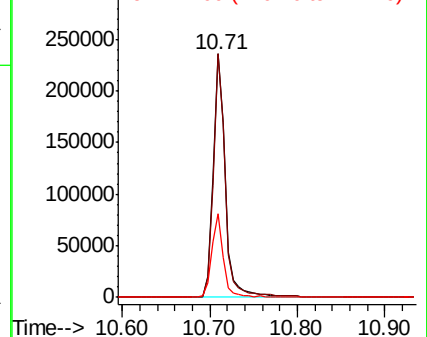
330 100

332 96.4 78.1 117.1

141 33.1 26.9 40.3



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: 105.481 ng

RT: 9.23 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF118171.D

Acq: 10 Dec 2019 19:02

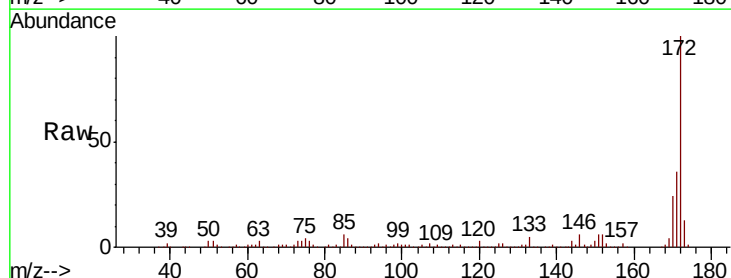
Tgt Ion:172 Resp: 965306

Ion Ratio Lower Upper

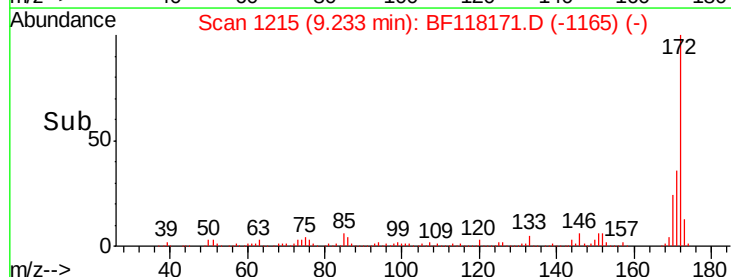
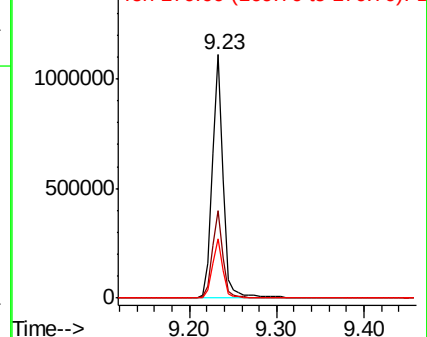
172 100

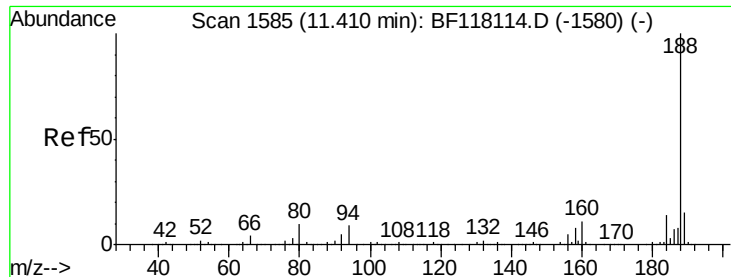
171 36.2 29.2 43.8

170 24.1 19.4 29.2



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

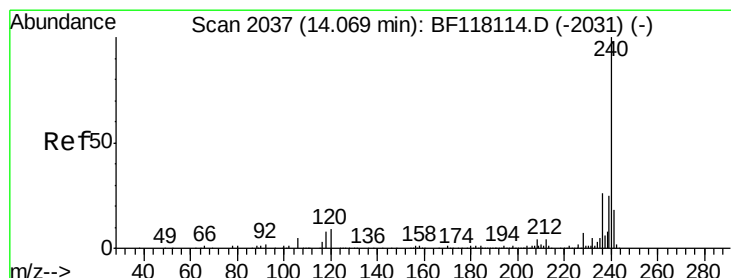
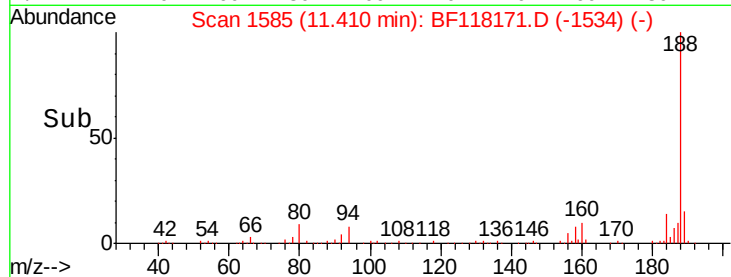
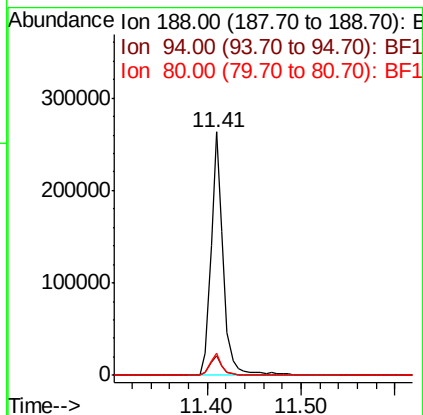
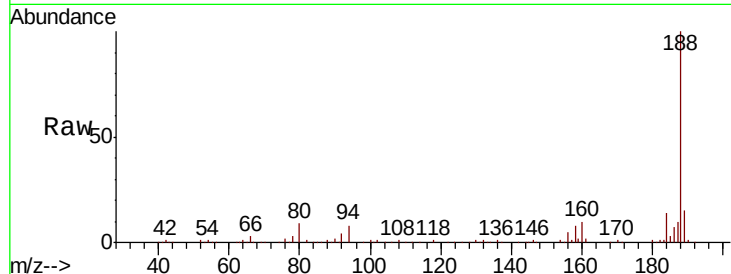




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF118171.D
Acq: 10 Dec 2019 19:02

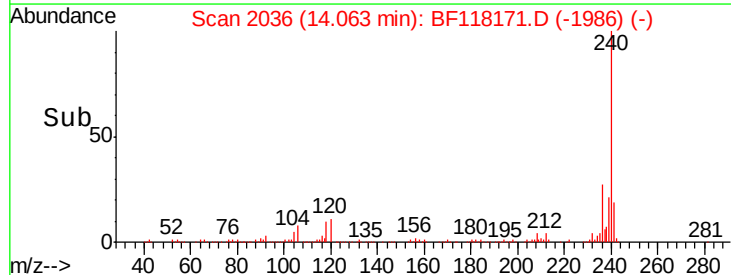
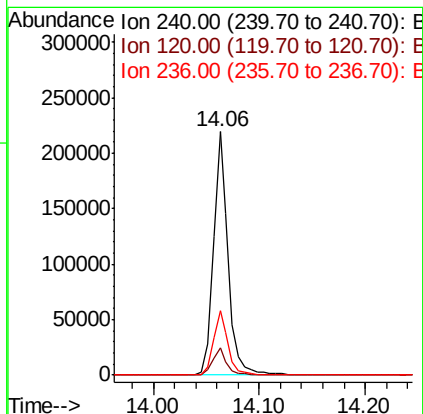
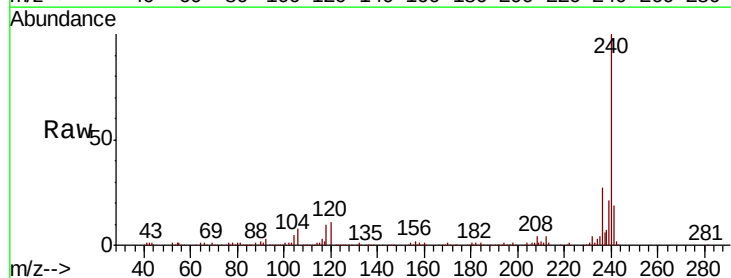
Instrument :
BNA_F
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SOIL-COMP-2

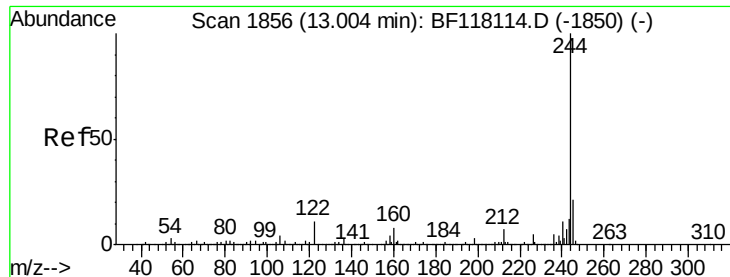
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.0	7.1	10.7
80	8.9	7.9	11.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF118171.D
Acq: 10 Dec 2019 19:02

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.2	7.1	10.7#
236	26.6	21.0	31.6





#79

Terphenyl-d14

Concen: 85.951 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BF118171.D

Acq: 10 Dec 2019 19:02

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-2

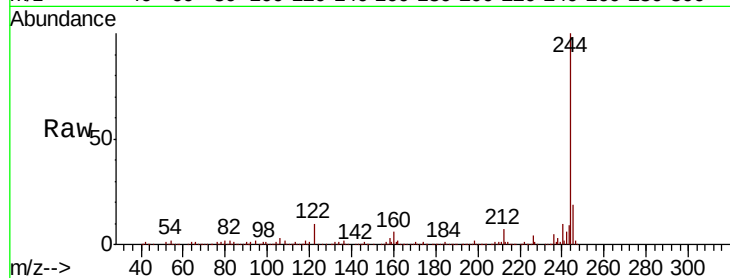
Tot Ion:244 Resp: 1075429

Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

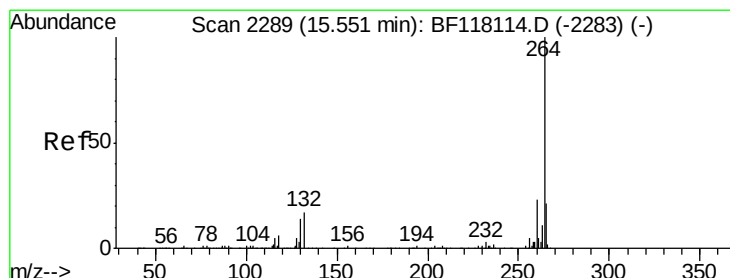
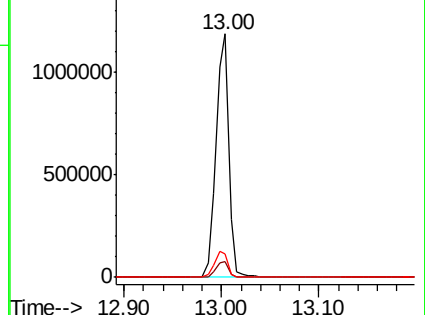
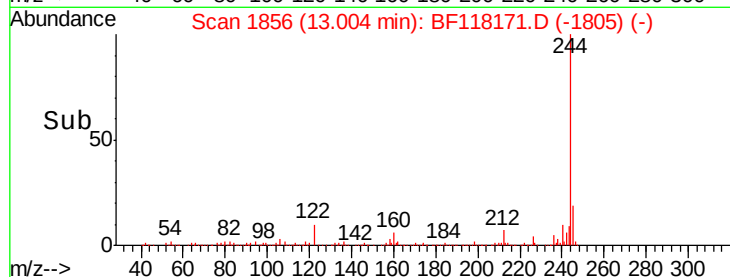
122 9.6 9.0 13.6



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: 15.56 min Scan# 2290

Delta R.T. 0.01 min

Lab File: BF118171.D

Acq: 10 Dec 2019 19:02

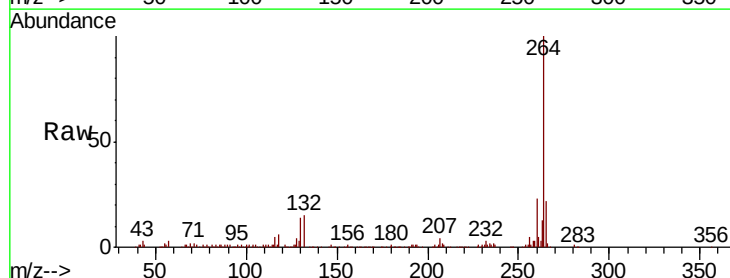
Tgt Ion:264 Resp: 191903

Ion Ratio Lower Upper

264 100

260 23.1 18.6 28.0

265 21.9 16.8 25.2



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

