

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
 Data File : BF118170.D
 Acq On : 10 Dec 2019 18:34
 Operator : JU
 Sample : K6188-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP-1

Quant Time: Dec 11 02:53:39 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

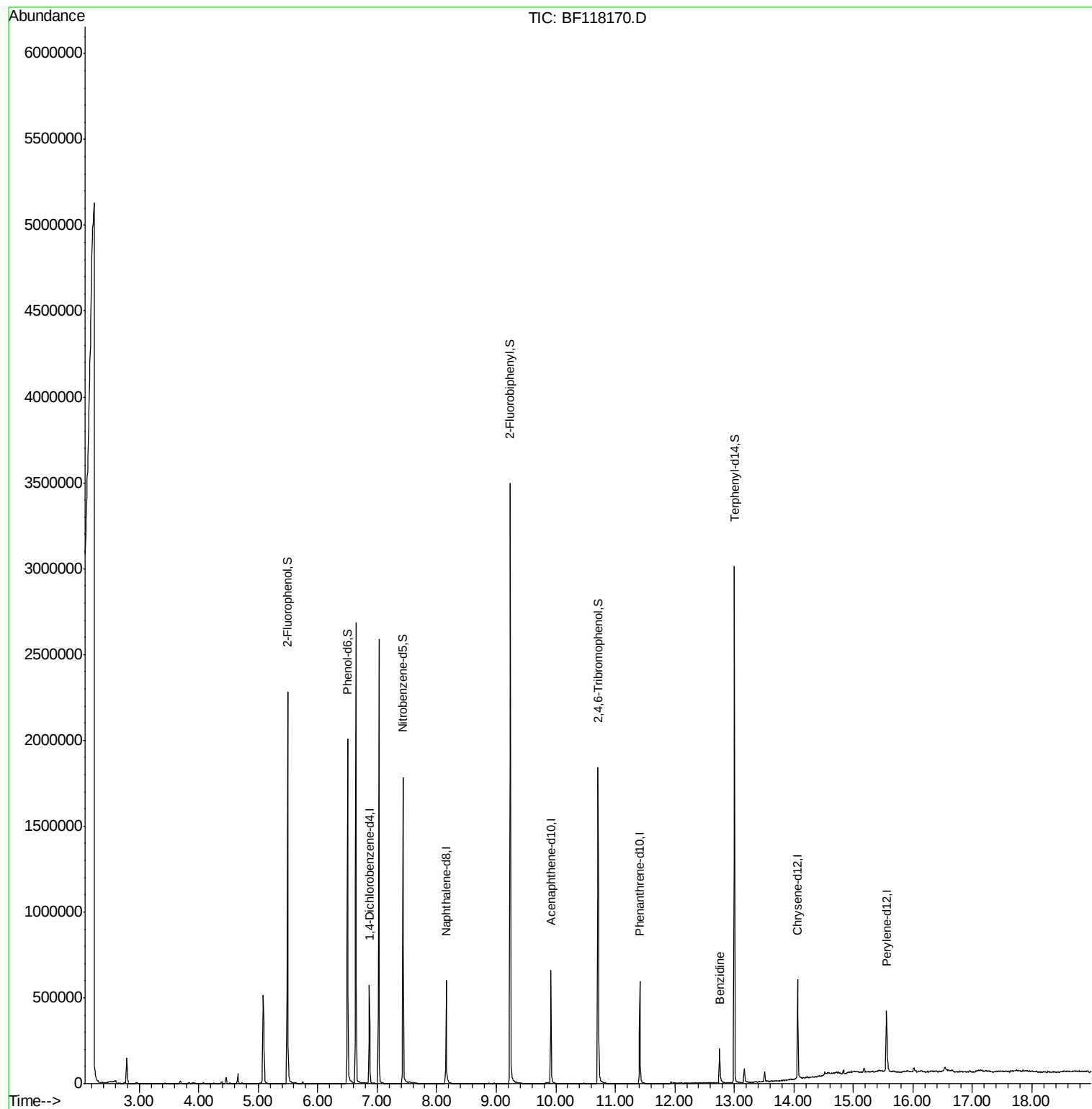
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	77643	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	284352	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	139260	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	231069	20.00	ng	0.00
76) Chrysene-d12	14.06	240	192783	20.00	ng	0.00
87) Perylene-d12	15.56	264	181863	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	647888	146.15	ng	0.01
7) Phenol-d6	6.50	99	706300	131.73	ng	0.00
23) Nitrobenzene-d5	7.43	82	528234	104.51	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	245307	145.00	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1050045	114.73	ng	0.00
79) Terphenyl-d14	13.00	244	1076412	96.02	ng	0.00
Target Compounds						
77) Benzidine	12.75	184	101256	19.952	ng	Qvalue 97

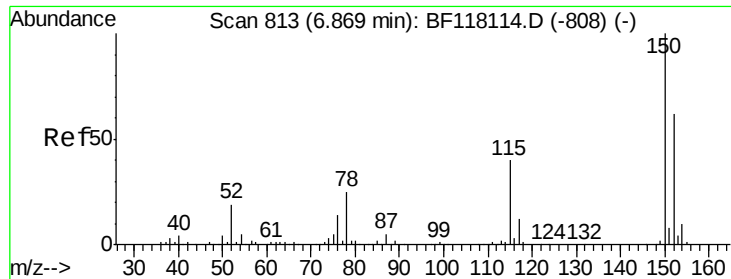
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF118170.D

Acq: 10 Dec 2019 18:34

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SOIL-COMP-1

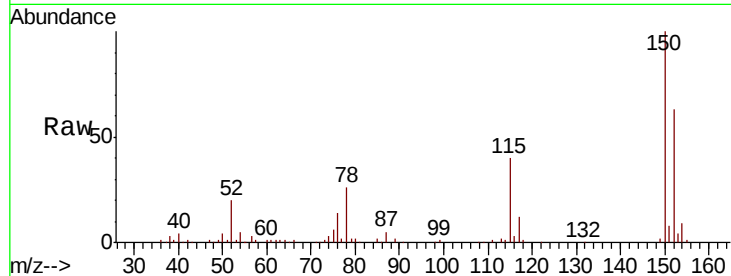
Tot Ion:152 Resp: 77643

Ion Ratio Lower Upper

152 100

150 159.6 128.3 192.5

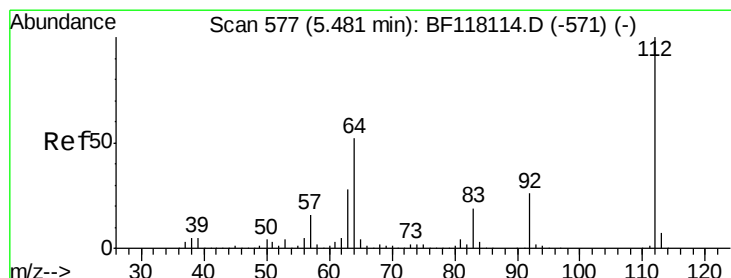
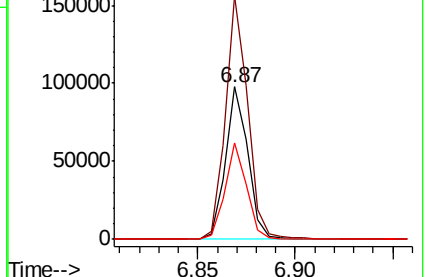
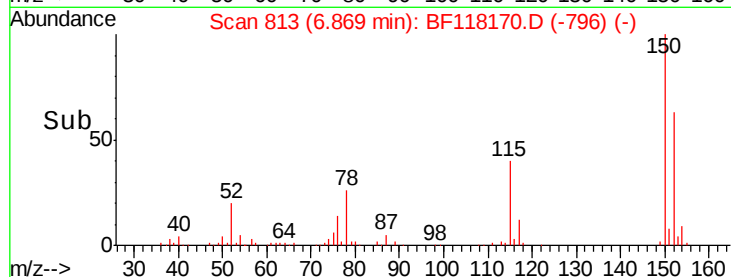
115 63.2 51.1 76.7



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: 146.150 ng

RT: 5.49 min Scan# 579

Delta R.T. 0.01 min

Lab File: BF118170.D

Acq: 10 Dec 2019 18:34

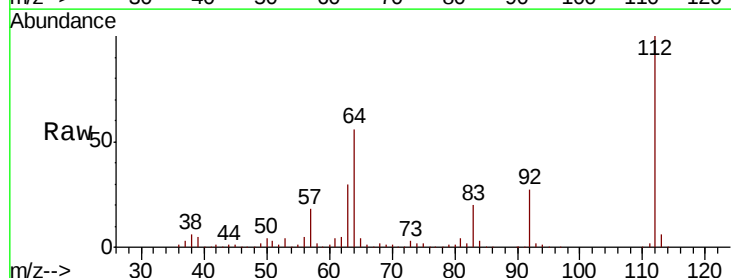
Tgt Ion:112 Resp: 647888

Ion Ratio Lower Upper

112 100

64 55.7 41.3 61.9

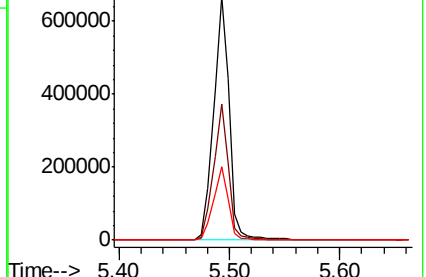
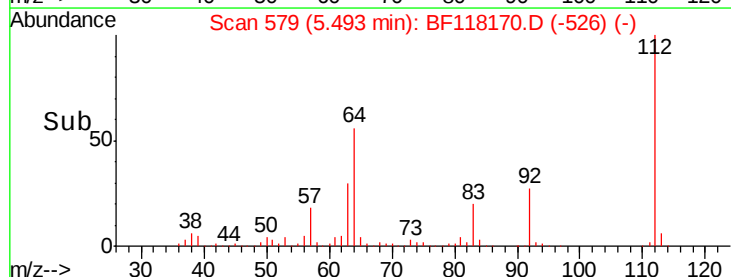
63 30.3 22.4 33.6

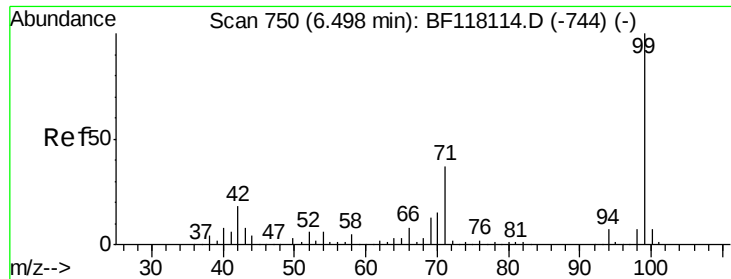


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 131.726 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF118170.D

Acq: 10 Dec 2019 18:34

Instrument :

BNA_F

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SOIL-COMP-1

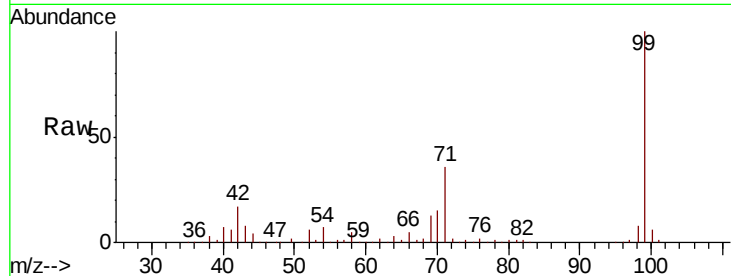
Tot Ion: 99 Resp: 706300

Ion Ratio Lower Upper

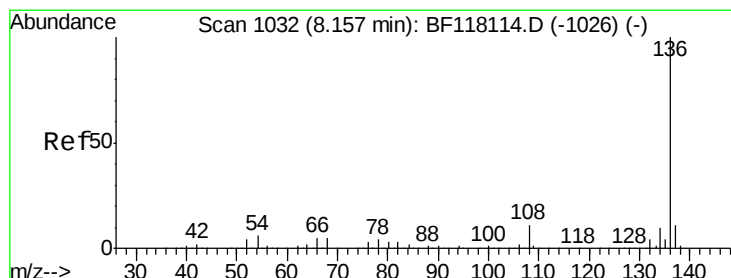
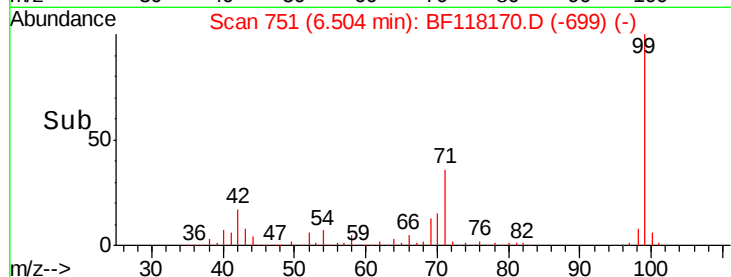
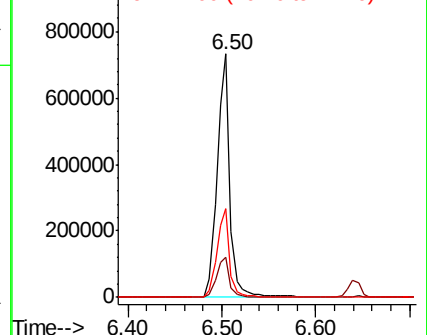
99 100

42 16.6 14.1 21.1

71 36.5 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: BF118170.D

Acq: 10 Dec 2019 18:34

Tgt Ion: 136 Resp: 284352

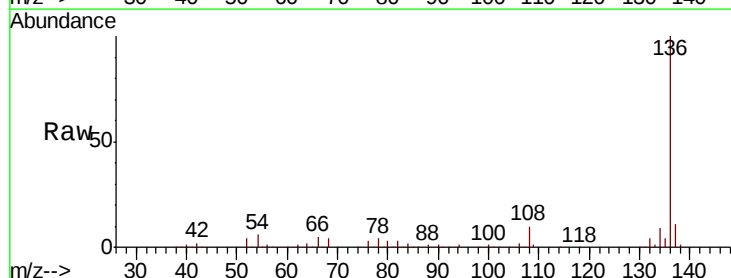
Ion Ratio Lower Upper

136 100

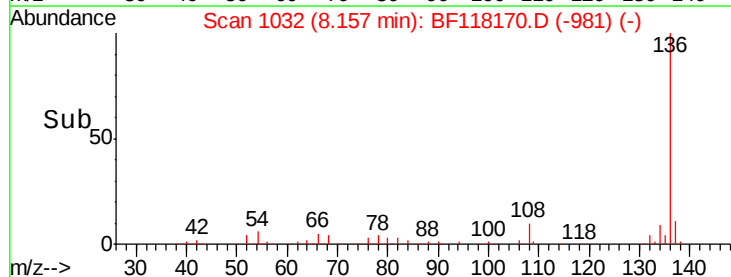
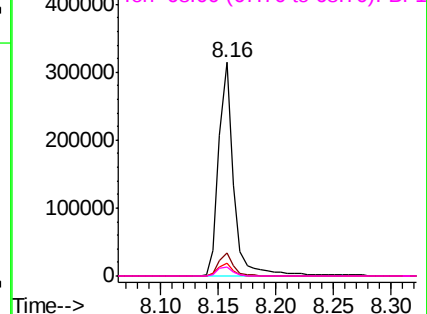
137 10.6 9.0 13.6

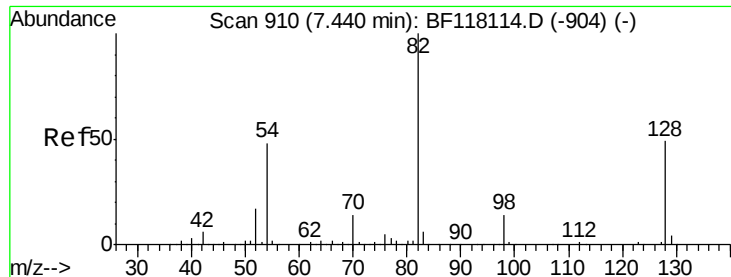
54 5.8 5.0 7.6

68 4.1 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

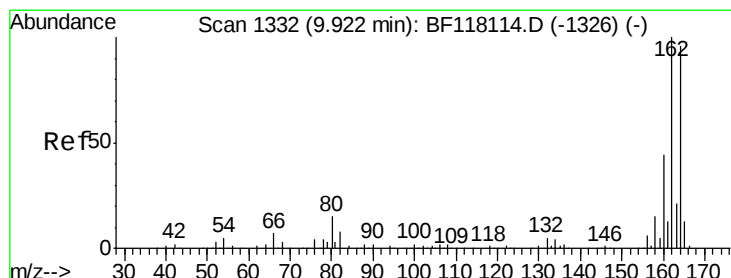
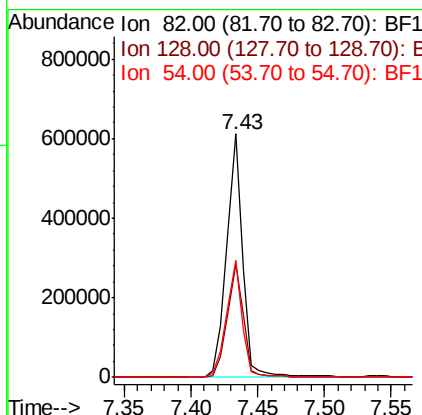
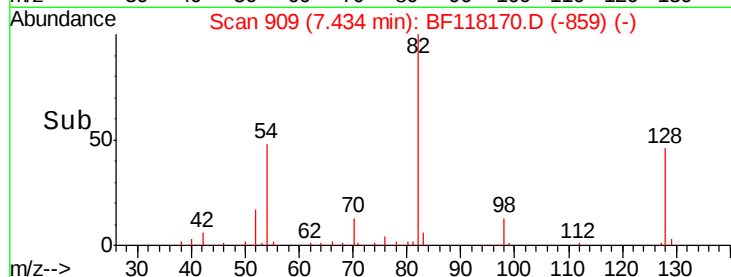
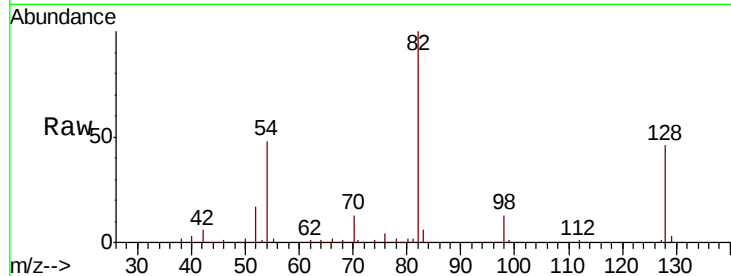




#23
 Nitrobenzene-d5
 Concen: 104.509 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF118170.D
 Acq: 10 Dec 2019 18:34

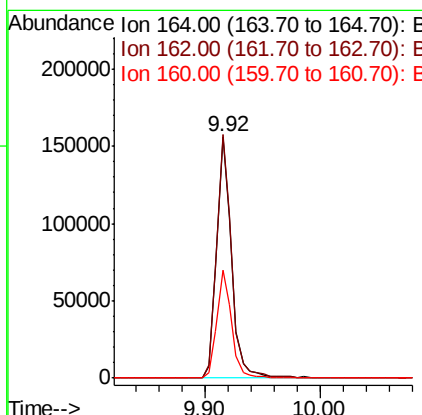
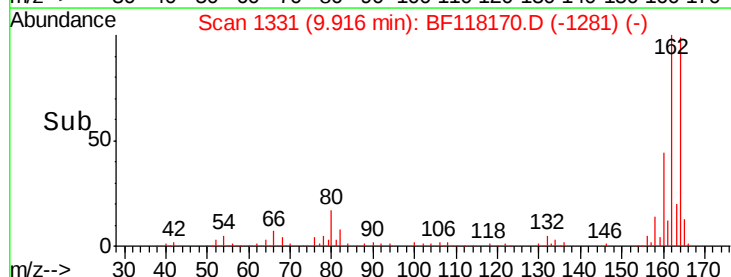
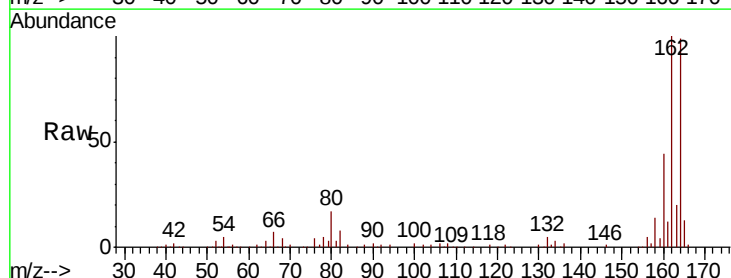
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP-1

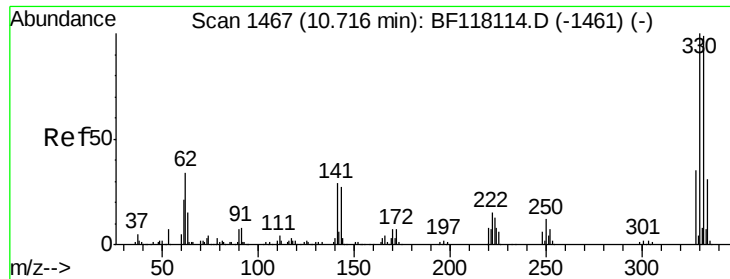
Tot Ion: 82 Resp: 528234
 Ion Ratio Lower Upper
 82 100
 128 46.3 39.1 58.7
 54 47.9 38.2 57.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF118170.D
 Acq: 10 Dec 2019 18:34

Tgt Ion:164 Resp: 139260
 Ion Ratio Lower Upper
 164 100
 162 100.7 83.4 125.0
 160 44.4 36.6 54.8

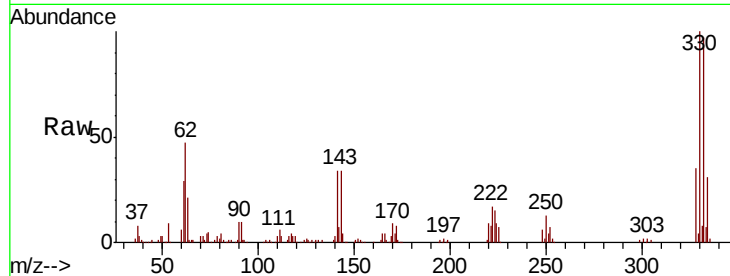




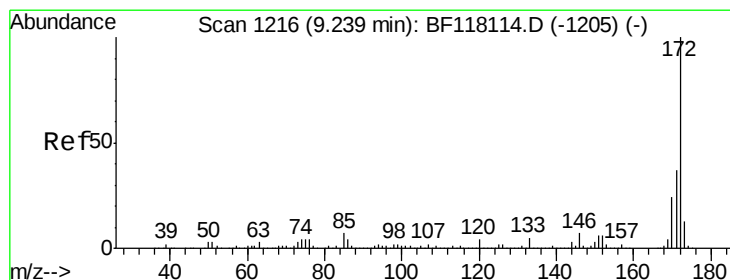
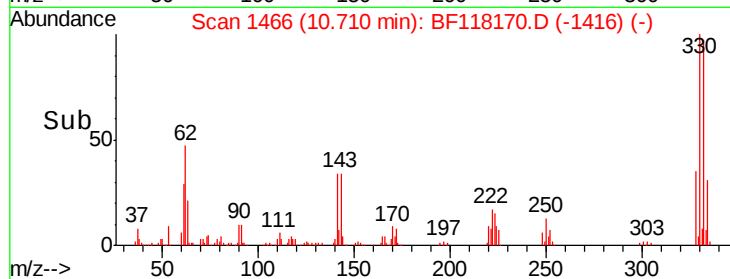
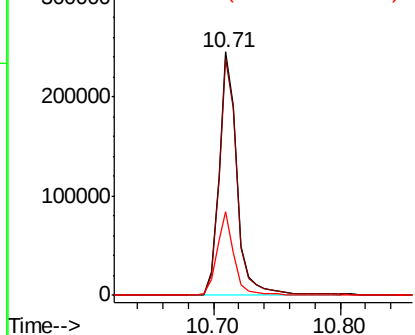
#42
 2,4,6-Tribromophenol
 Concen: 145.002 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF118170.D
 Acq: 10 Dec 2019 18:34

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP-1

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.2	78.1	117.1
141	32.9	26.9	40.3

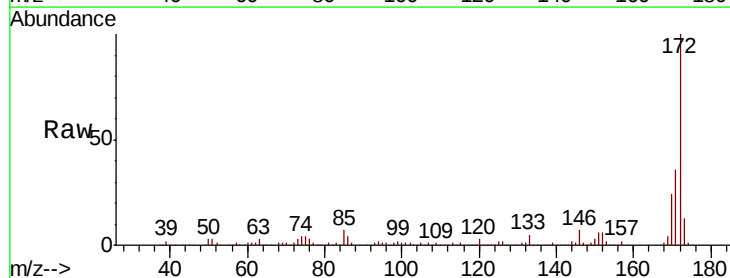


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

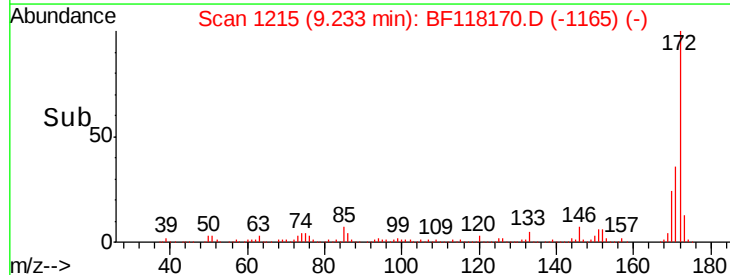
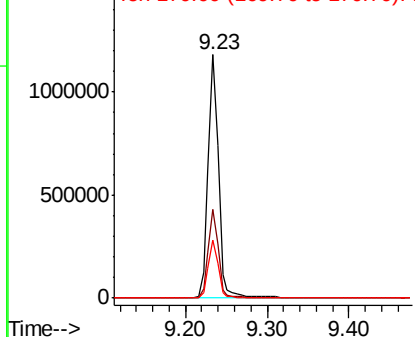


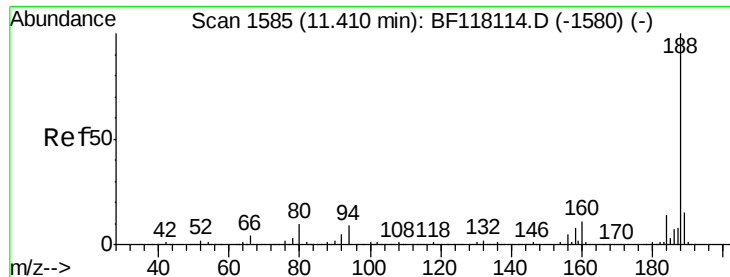
#45
 2-Fluorobiphenyl
 Concen: 114.735 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF118170.D
 Acq: 10 Dec 2019 18:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.2	43.8
170	23.9	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

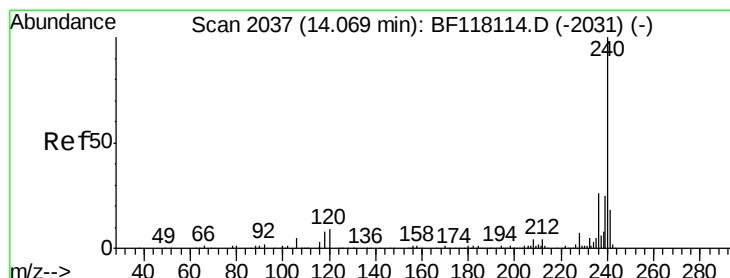
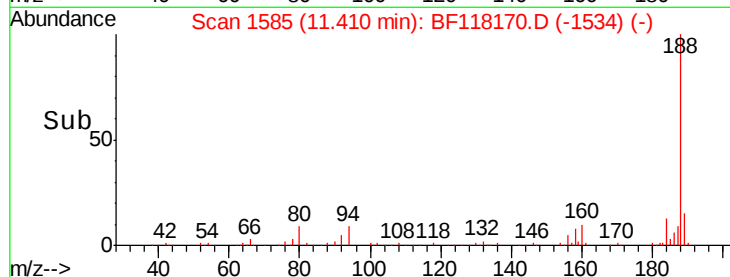
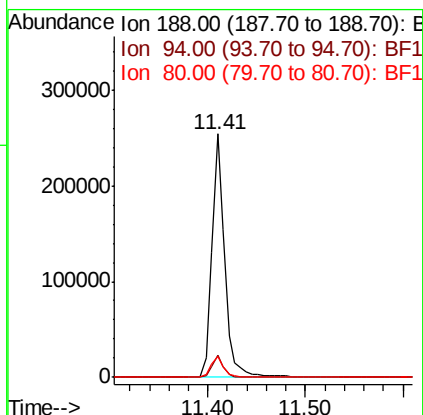
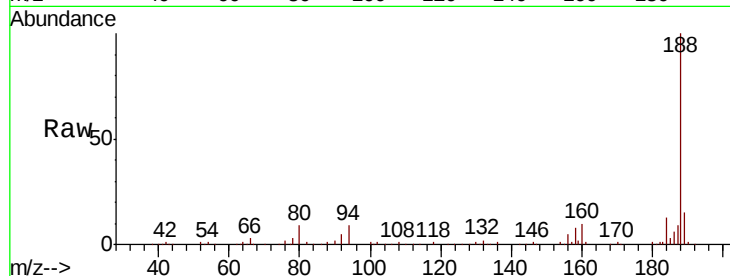




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF118170.D
Acq: 10 Dec 2019 18:34

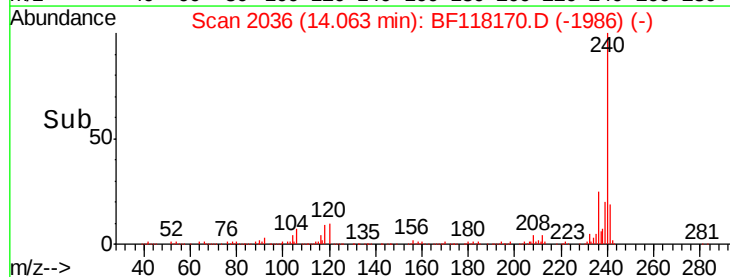
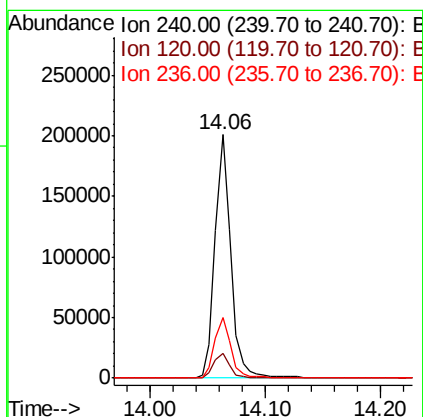
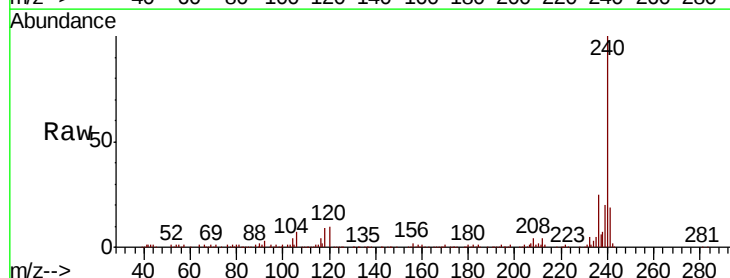
Instrument :
BNA_F
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SOIL-COMP-1

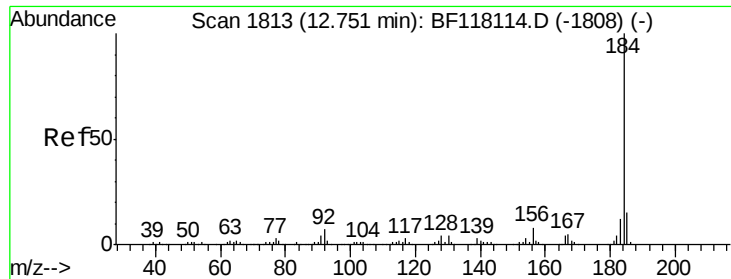
Tot Ion:188 Resp: 231069
Ion Ratio Lower Upper
188 100
94 9.1 7.1 10.7
80 8.6 7.9 11.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF118170.D
Acq: 10 Dec 2019 18:34

Tgt Ion:240 Resp: 192783
Ion Ratio Lower Upper
240 100
120 10.3 7.1 10.7
236 25.0 21.0 31.6





#77

Benzidine

Concen: 19.952 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.00 min

Lab File: BF118170.D

Acq: 10 Dec 2019 18:34

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-1

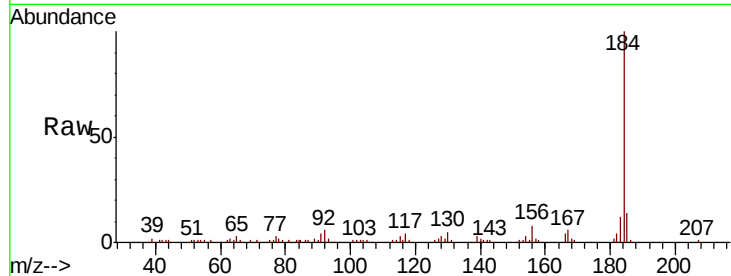
Tot Ion:184 Resp: 101256

Ion Ratio Lower Upper

184 100

185 14.0 12.3 18.5

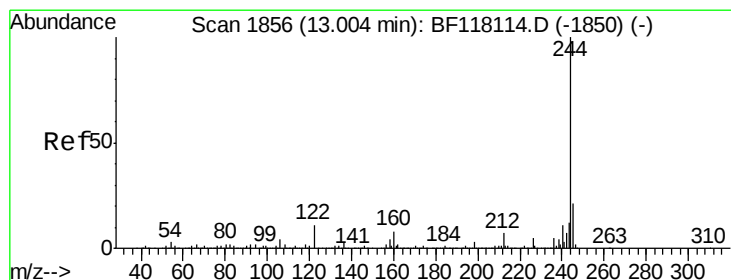
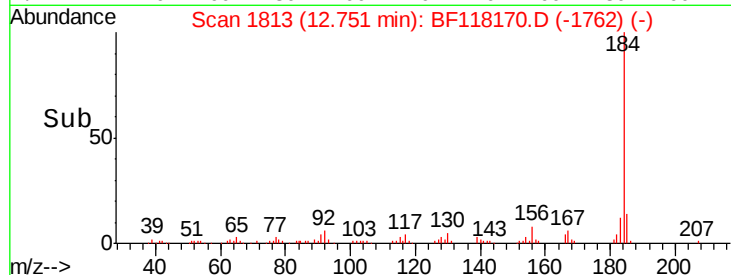
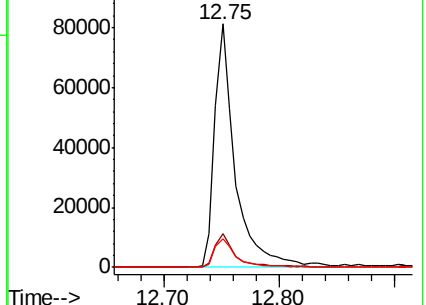
183 11.8 9.9 14.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 96.016 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BF118170.D

Acq: 10 Dec 2019 18:34

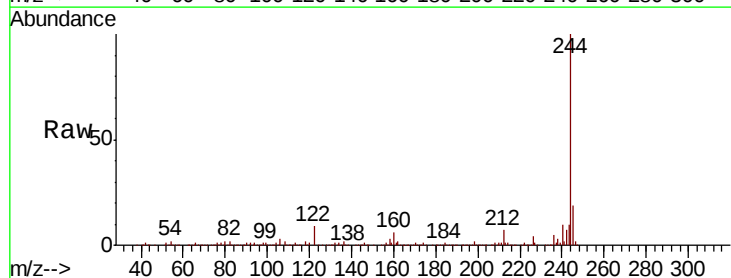
Tgt Ion:244 Resp: 1076412

Ion Ratio Lower Upper

244 100

212 6.5 5.9 8.9

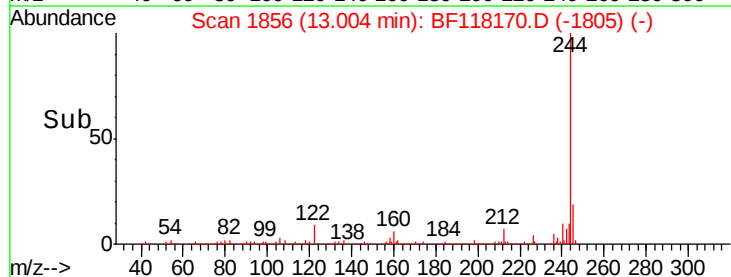
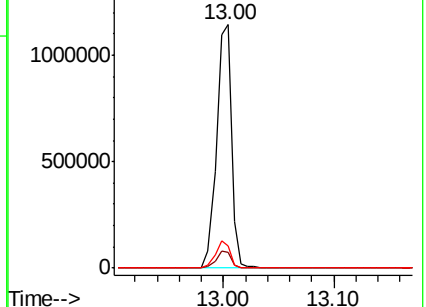
122 9.4 9.0 13.6

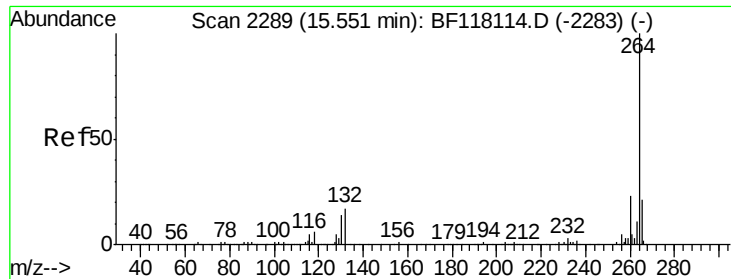


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2290
 Delta R.T. 0.01 min
 Lab File: BF118170.D
 Acq: 10 Dec 2019 18:34

Instrument :
 BNA_F
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 SOIL-COMP-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.6	28.0
265	20.2	16.8	25.2

