

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
 Data File : BF113943.D
 Acq On : 24 Apr 2019 2:20
 Operator : JU/SJ
 Sample : K2510-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-B

Quant Time: Apr 24 07:46:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	122222	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	406637	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	177855	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	335320	20.00	ng	0.00
76) Chrysene-d12	14.05	240	362841	20.00	ng	-0.02
87) Perylene-d12	15.53	264	297885	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	784878	109.83	ng	0.02
7) Phenol-d6	6.53	99	845341	94.29	ng	0.00
23) Nitrobenzene-d5	7.46	82	643758	97.75	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	282975	130.61	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1168893	102.79	ng	0.00
79) Terphenyl-d14	13.00	244	1430656	80.84	ng	0.00

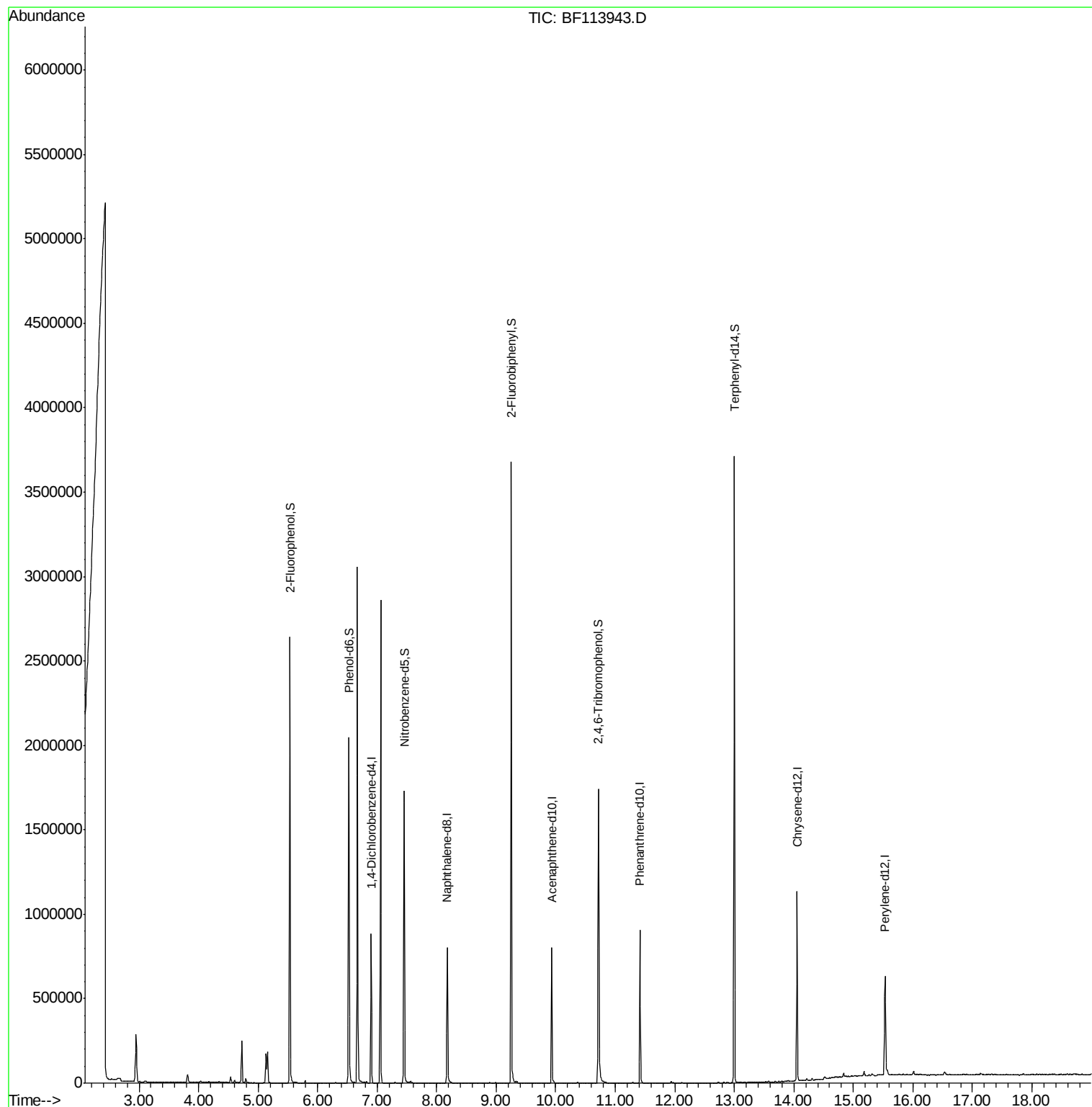
Target Compounds Qvalue

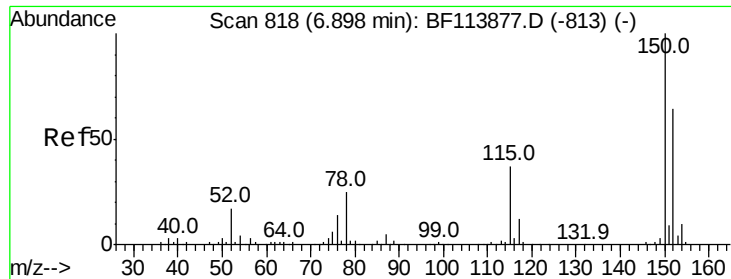
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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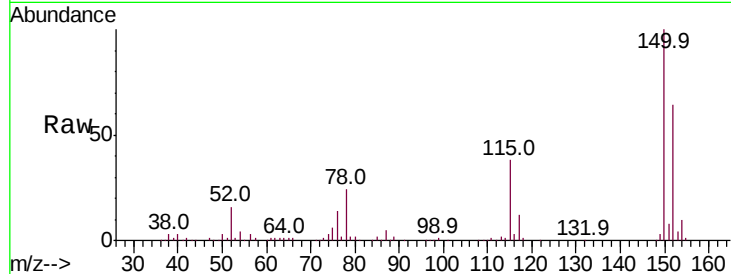


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 818
 Delta R.T. 0.00 min
 Lab File: BF113943.D
 Acq: 24 Apr 2019 2:20

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	125.9	188.9
115	59.1	45.9	68.9

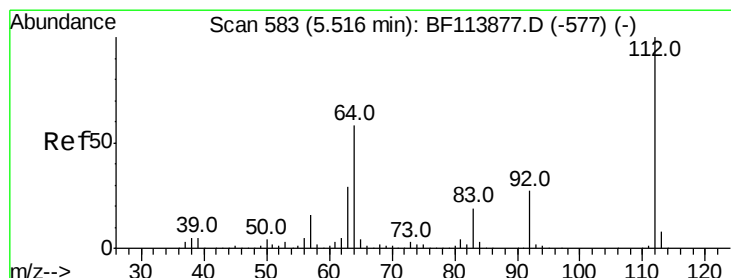
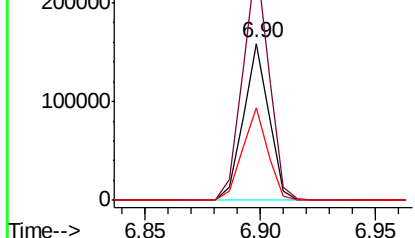
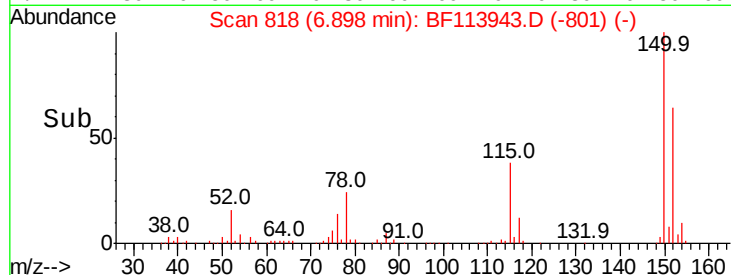


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

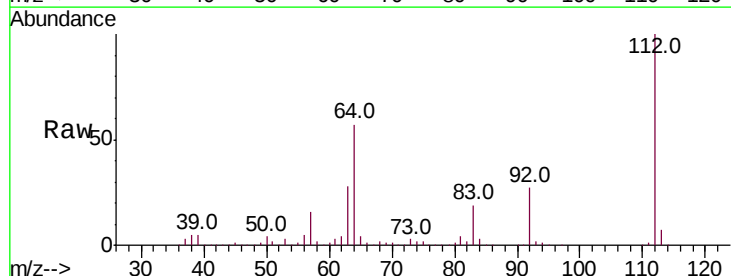
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 109.835 ng
 RT: 5.53 min Scan# 586
 Delta R.T. 0.02 min
 Lab File: BF113943.D
 Acq: 24 Apr 2019 2:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	46.6	69.8
63	28.1	23.1	34.7

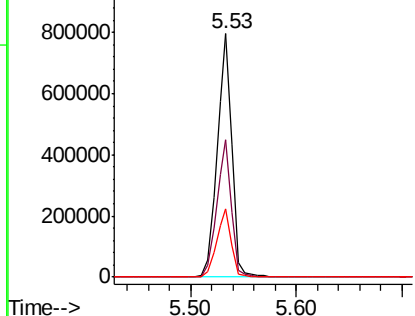
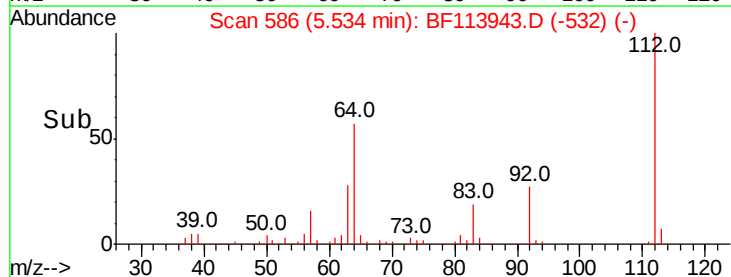


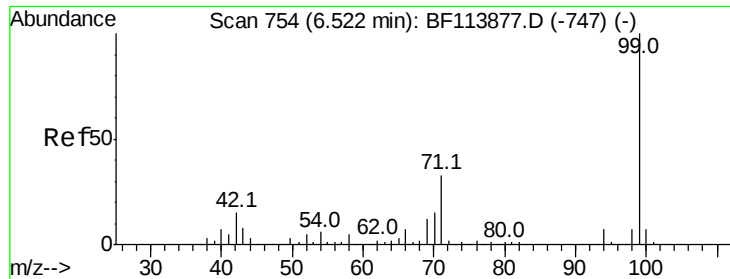
Abundance

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: 94.288 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF113943.D

Acq: 24 Apr 2019 2:20

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-B

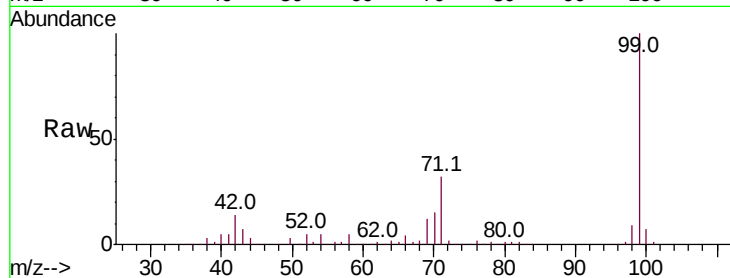
Tot Ion: 99 Resp: 845341

Ion Ratio Lower Upper

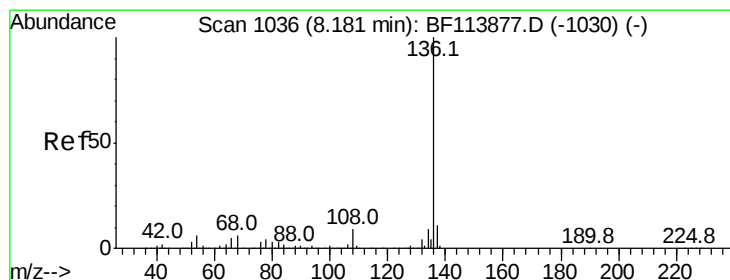
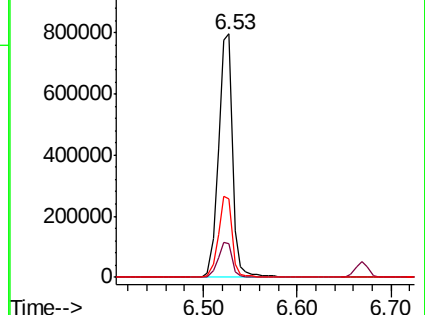
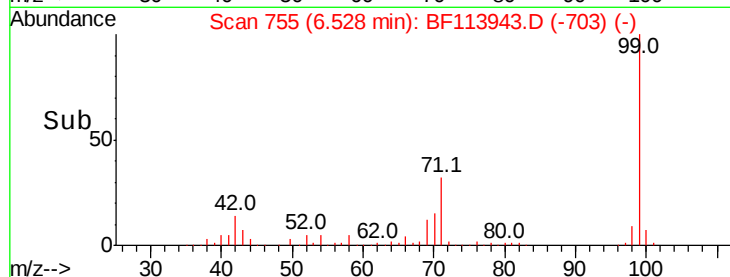
99 100

42 13.6 12.5 18.7

71 32.2 26.9 40.3



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: BF113943.D

Acq: 24 Apr 2019 2:20

Tgt Ion: 136 Resp: 406637

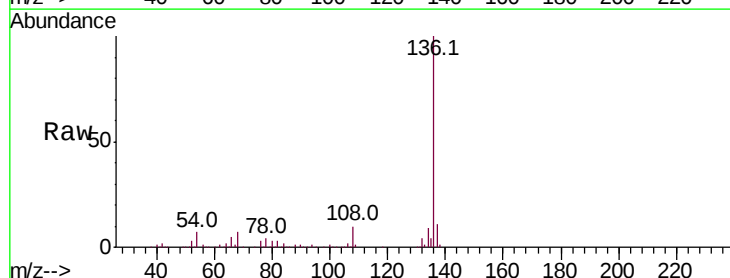
Ion Ratio Lower Upper

136 100

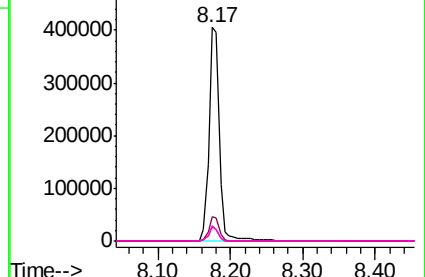
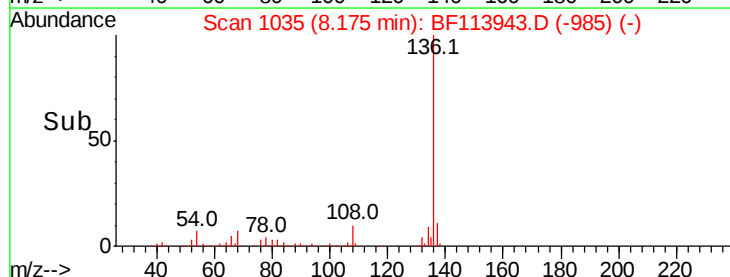
137 11.2 8.6 12.8

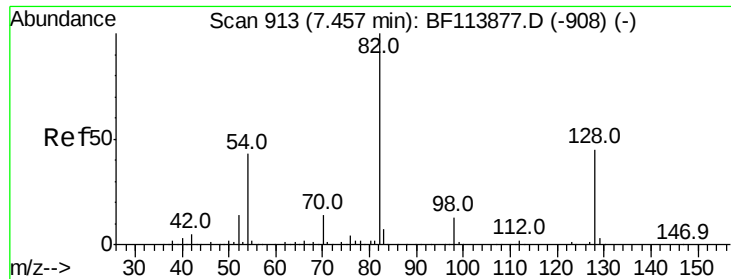
54 6.9 5.0 7.6

68 6.9 4.9 7.3



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

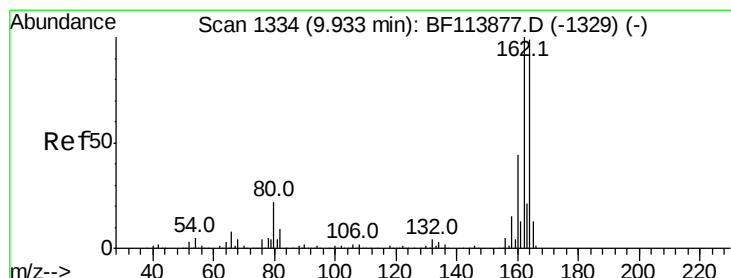
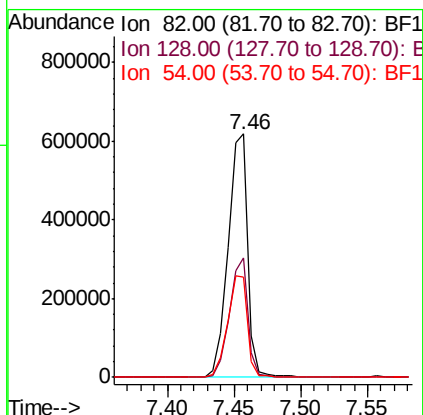
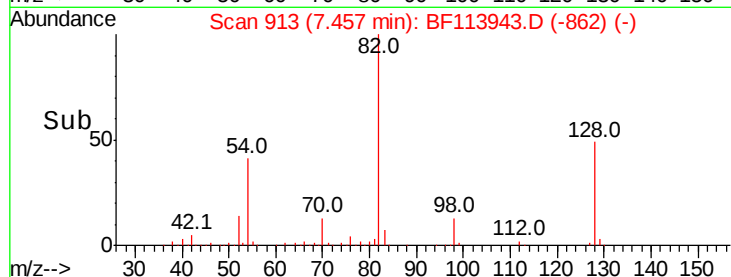
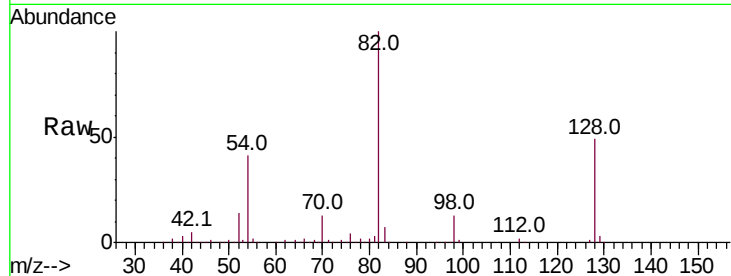




#23
Nitrobenzene-d5
Concen: 97.748 ng
RT: 7.46 min Scan# 913
Delta R.T. 0.00 min
Lab File: BF113943.D
Acq: 24 Apr 2019 2:20

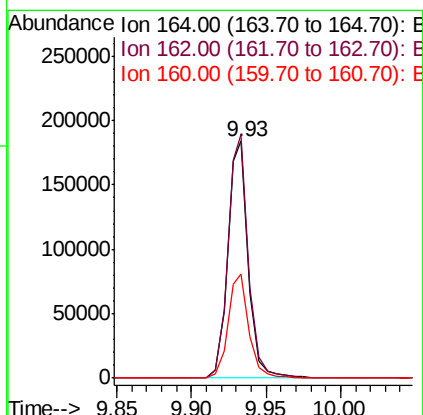
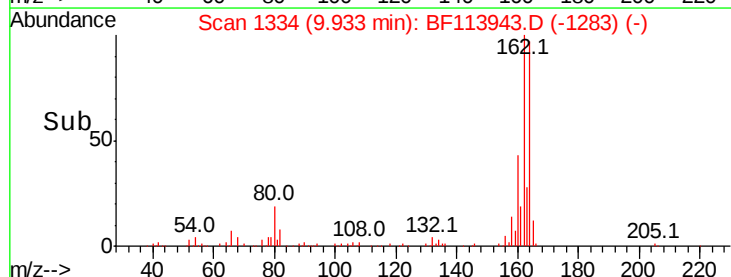
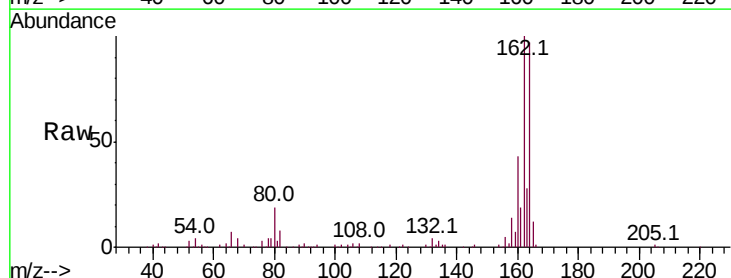
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-B

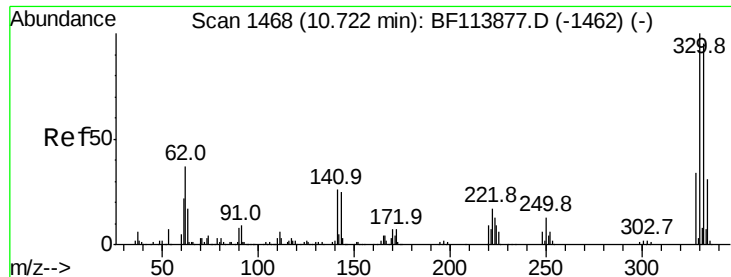
Tot Ion	Ratio	Lower	Upper
82	100		
128	49.0	36.8	55.2
54	41.1	33.8	50.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF113943.D
Acq: 24 Apr 2019 2:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.1	121.7
160	44.1	35.8	53.6

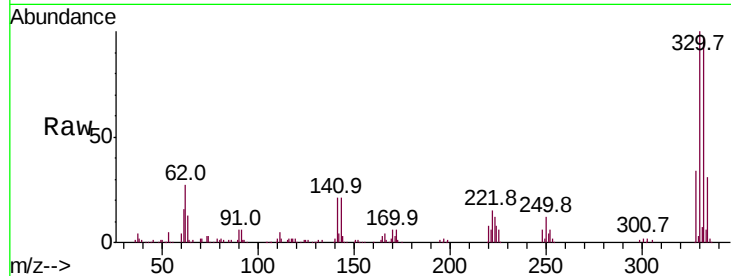




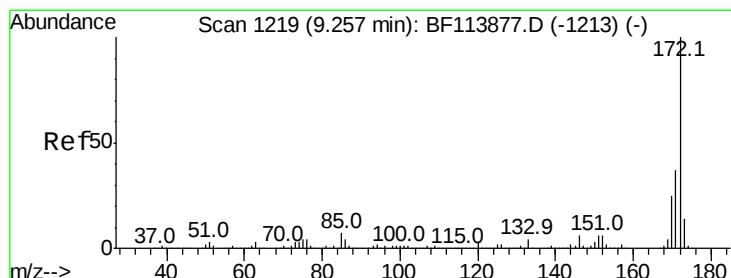
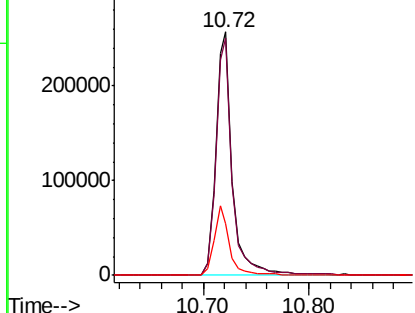
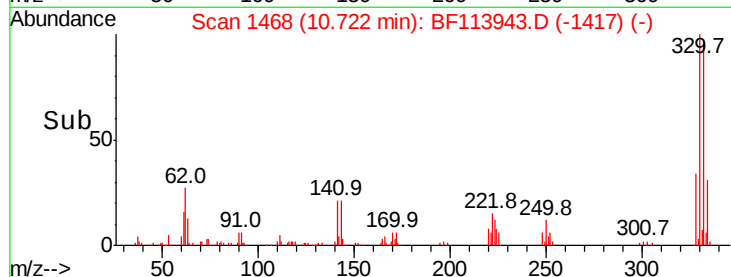
#42
 2,4,6-Tribromophenol
 Concen: 130.606 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.00 min
 Lab File: BF113943.D
 Acq: 24 Apr 2019 2:20

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.5	116.3
141	26.9	22.2	33.2

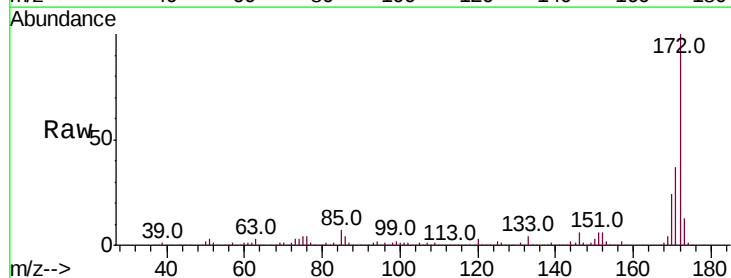


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

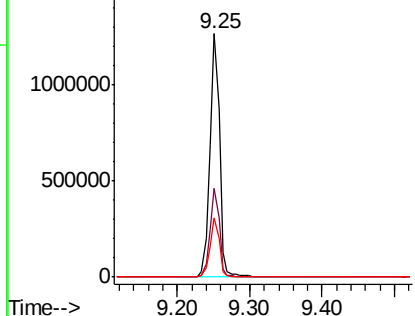
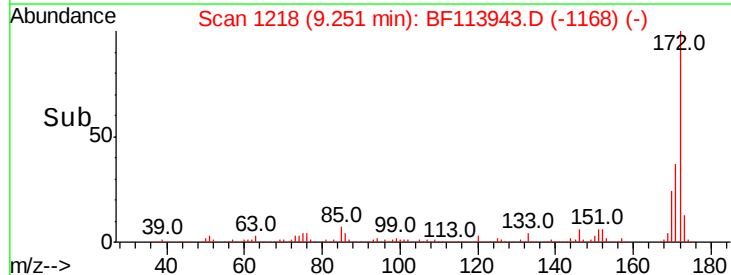


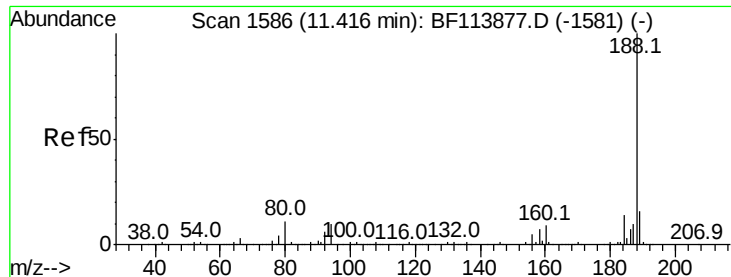
#45
 2-Fluorobiphenyl
 Concen: 102.790 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF113943.D
 Acq: 24 Apr 2019 2:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.0
170	24.4	19.9	29.9



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

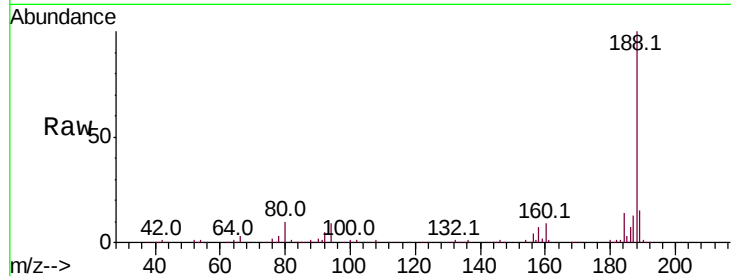




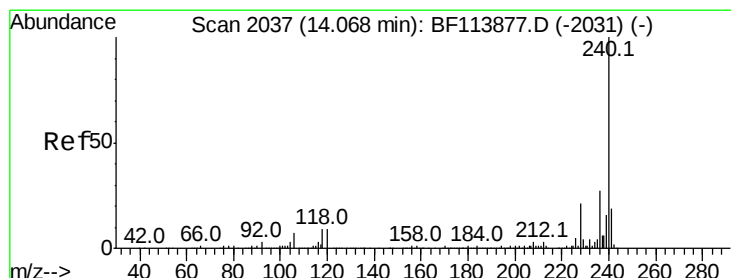
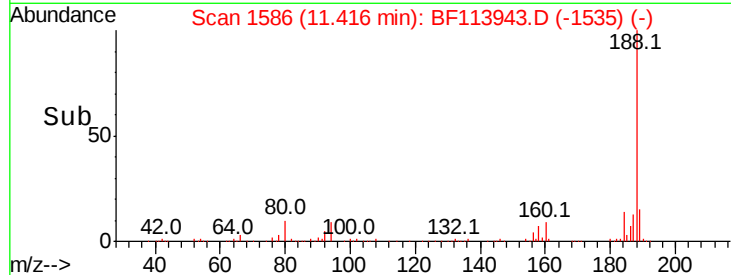
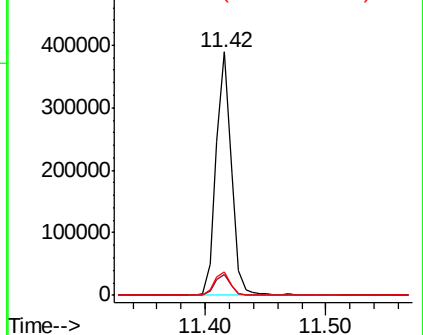
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BF113943.D
Acq: 24 Apr 2019 2:20

Instrument :
BNA_F
ClientSampled :
SOIL-PILE-B

Tot Ion:188 Resp: 335320
Ion Ratio Lower Upper
188 100
94 8.6 8.2 12.4
80 9.6 9.0 13.6

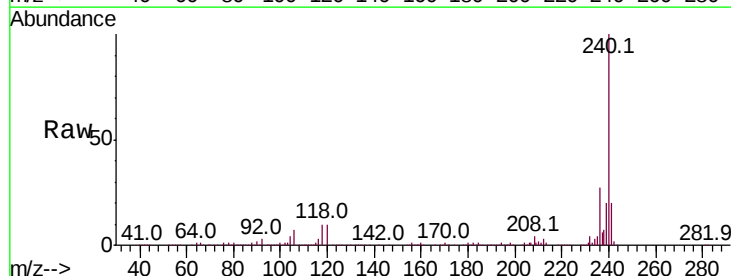


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

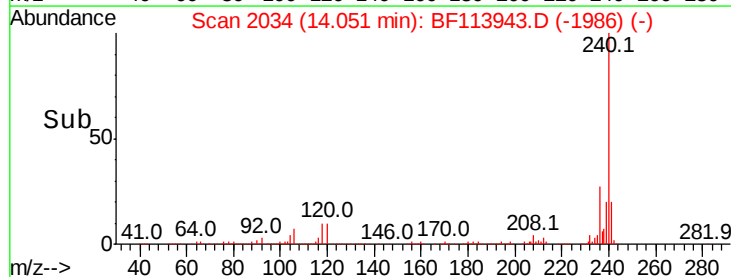
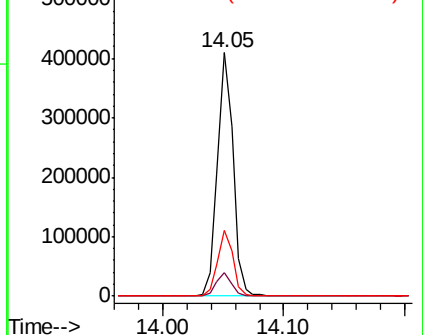


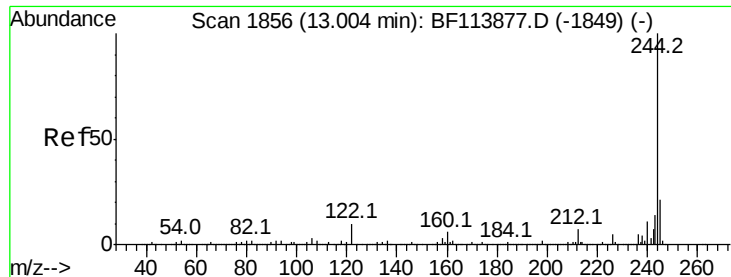
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.02 min
Lab File: BF113943.D
Acq: 24 Apr 2019 2:20

Tgt Ion:240 Resp: 362841
Ion Ratio Lower Upper
240 100
120 9.8 9.3 13.9
236 26.7 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 80.835 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.00 min

Lab File: BF113943.D

Acq: 24 Apr 2019 2:20

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-B

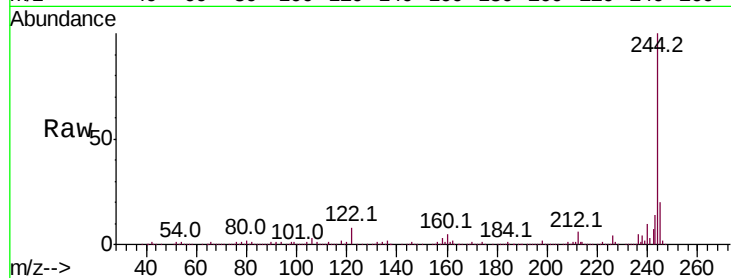
Tot Ion:244 Resp: 1430656

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.2

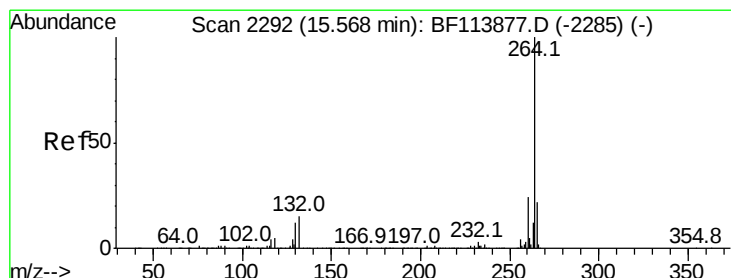
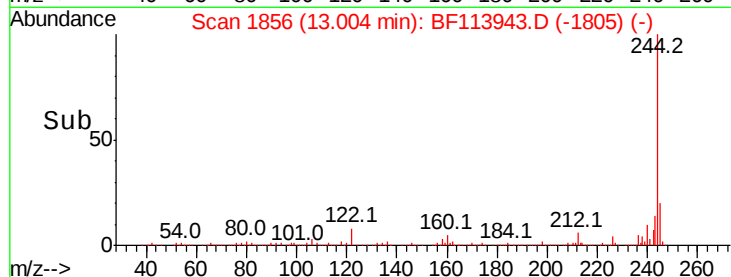
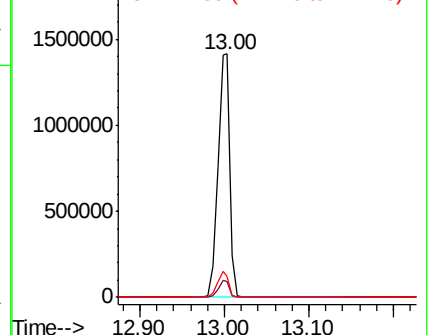
122 8.4 7.6 11.4



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# 2286

Delta R.T. -0.04 min

Lab File: BF113943.D

Acq: 24 Apr 2019 2:20

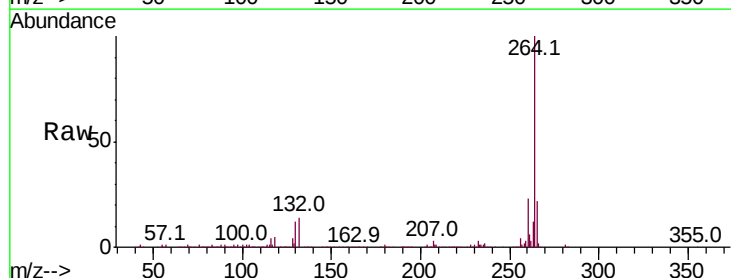
Tgt Ion:264 Resp: 297885

Ion Ratio Lower Upper

264 100

260 23.5 18.9 28.3

265 21.7 17.3 25.9



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

