

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091819\
 Data File : BF117170.D
 Acq On : 19 Sep 2019 2:41
 Operator : HP/JU
 Sample : K4938-02 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MG-NW-SOIL

Quant Time: Sep 19 08:33:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	33636	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	270986	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	138339	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	219425	20.00	ng	0.00
76) Chrysene-d12	13.97	240	151619	20.00	ng	0.00
87) Perylene-d12	15.42	264	143580	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	34715	16.11	ng	0.00
7) Phenol-d6	6.46	99	53886	19.35	ng	0.00
23) Nitrobenzene-d5	7.39	82	33749	6.54	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	19171	16.58	ng	0.00
45) 2-Fluorobiphenyl	9.18	172	115431	13.05	ng	0.00
79) Terphenyl-d14	12.91	244	102403	12.62	ng	0.00

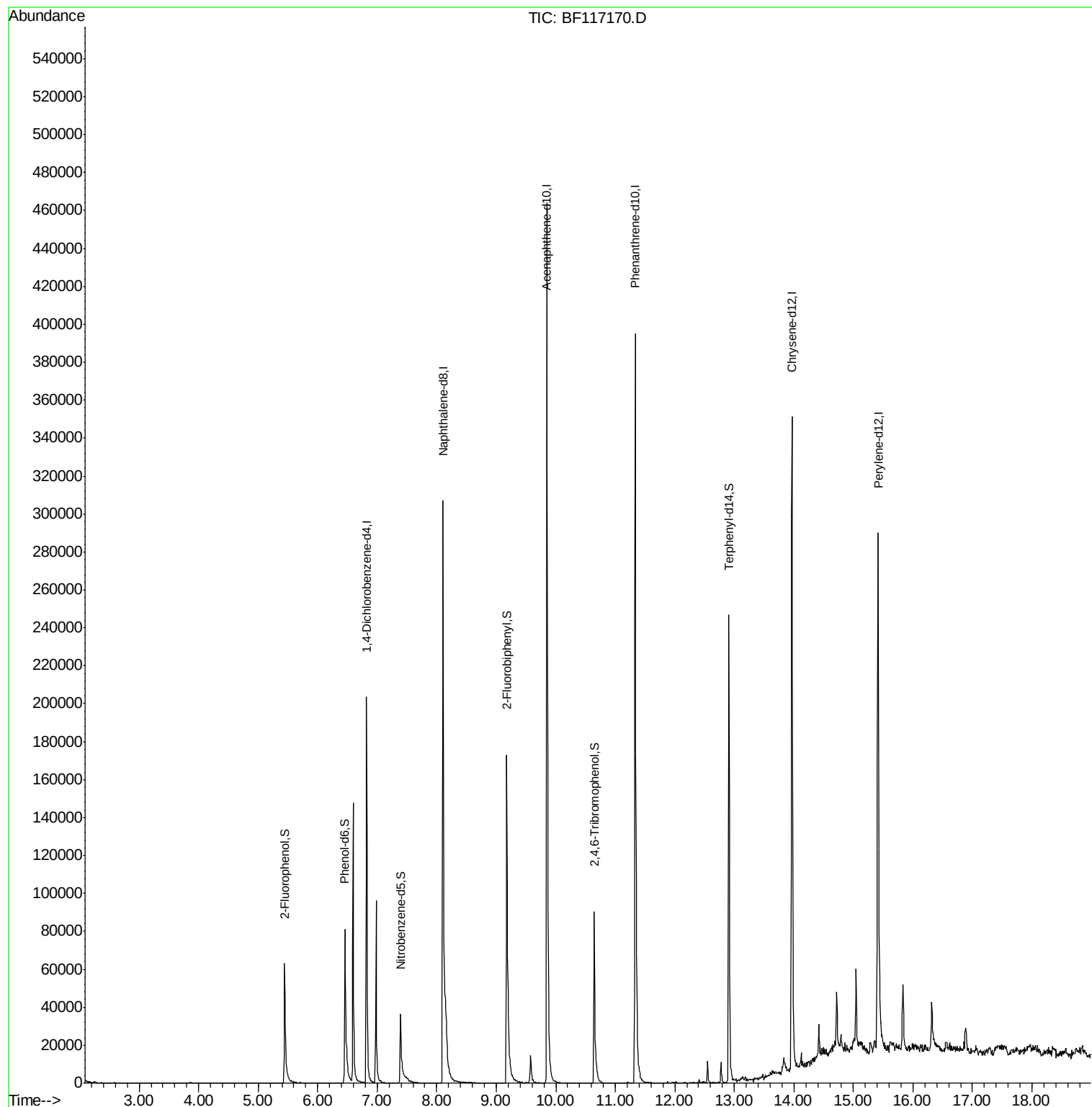
Target Compounds Qvalue

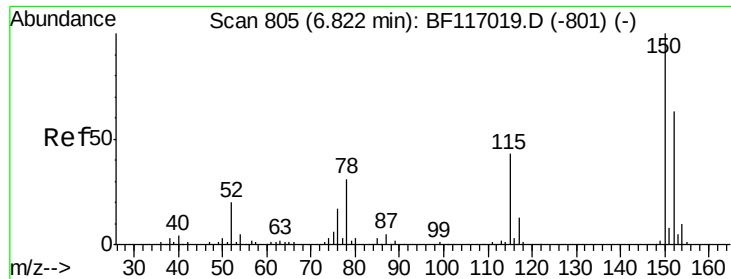
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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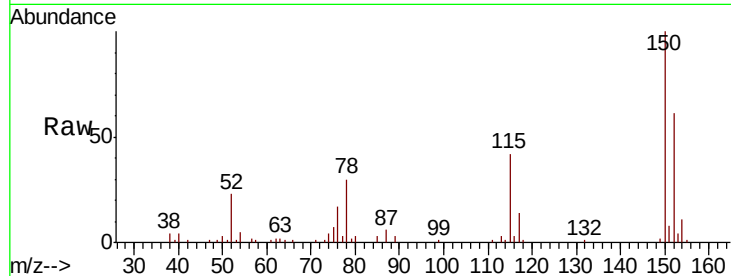


#1

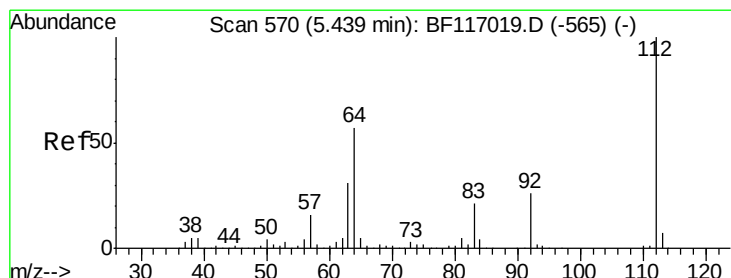
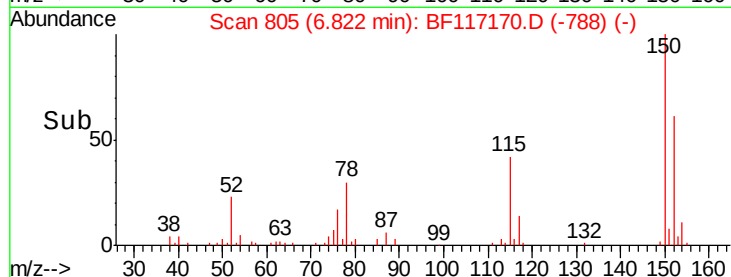
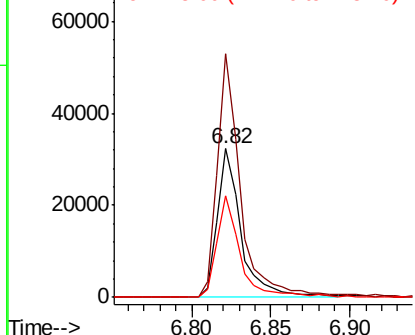
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF117170.D
Acq: 19 Sep 2019 2:41

Instrument :
BNA_F
ClientSampleId :
MG-NW-SOIL

Tot Ion:152 Resp: 33636
Ion Ratio Lower Upper
152 100
150 164.0 127.5 191.3
115 68.5 55.0 82.4



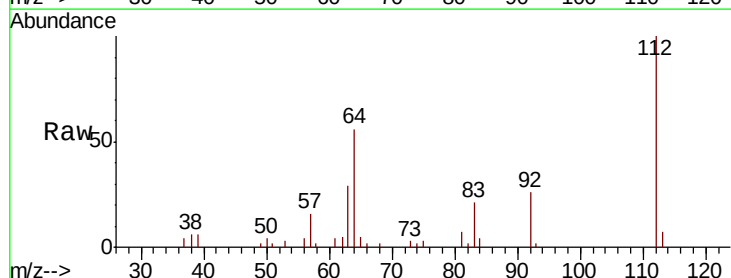
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



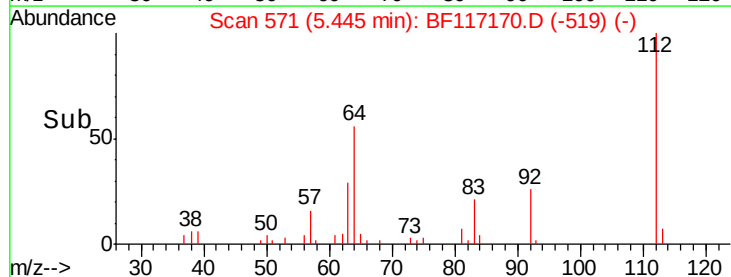
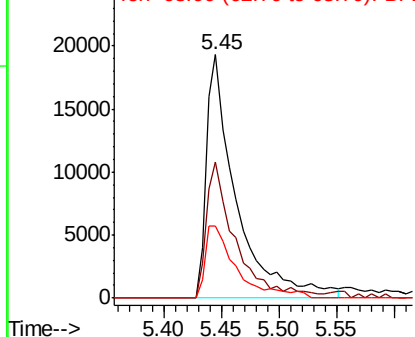
#5

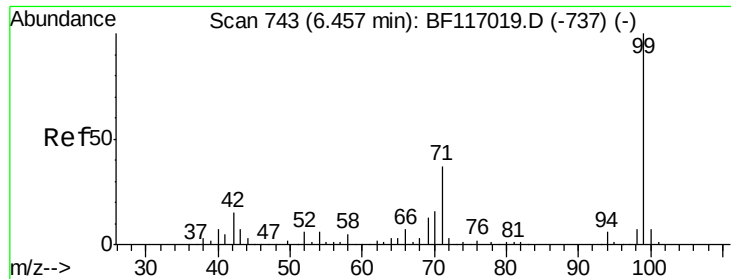
2-Fluorophenol
Concen: 16.113 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117170.D
Acq: 19 Sep 2019 2:41

Tgt Ion:112 Resp: 34715
Ion Ratio Lower Upper
112 100
64 56.0 45.7 68.5
63 29.4 24.9 37.3



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: 19.354 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF117170.D

Acq: 19 Sep 2019 2:41

Instrument :

BNA_F

ClientSampled :

MG-NW-SOIL

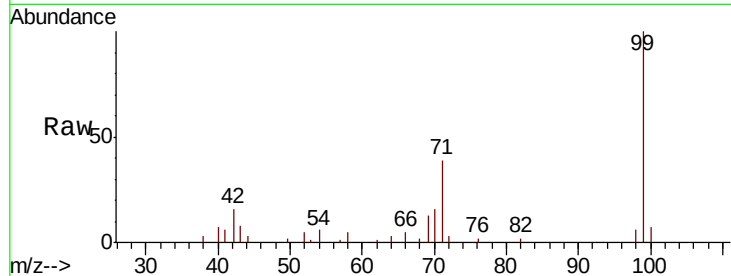
Tot Ion: 99 Resp: 53886

Ion Ratio Lower Upper

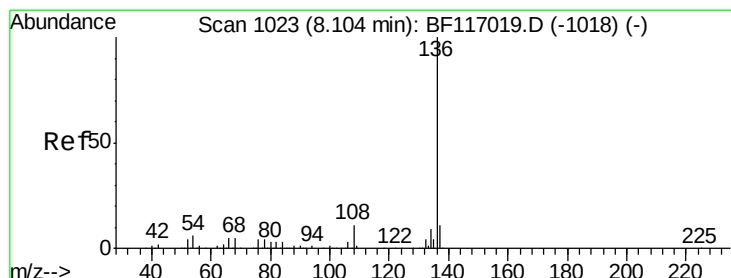
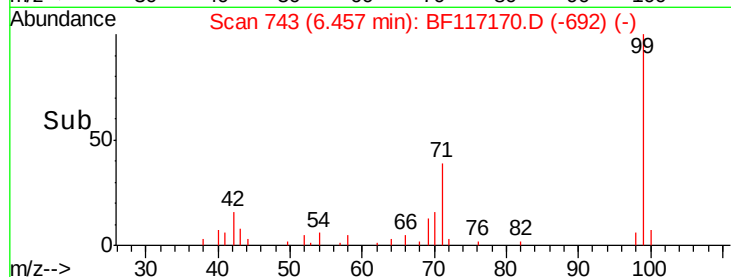
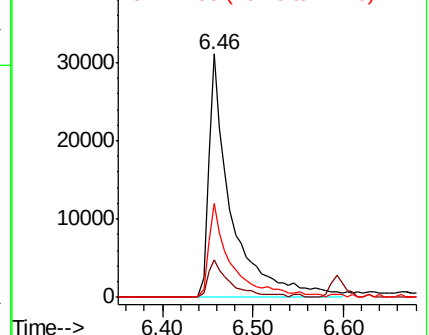
99 100

42 15.5 12.2 18.2

71 38.8 29.8 44.8



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: 8.10 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BF117170.D

Acq: 19 Sep 2019 2:41

Tgt Ion: 136 Resp: 270986

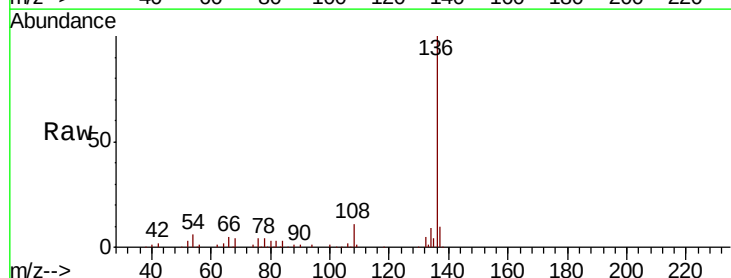
Ion Ratio Lower Upper

136 100

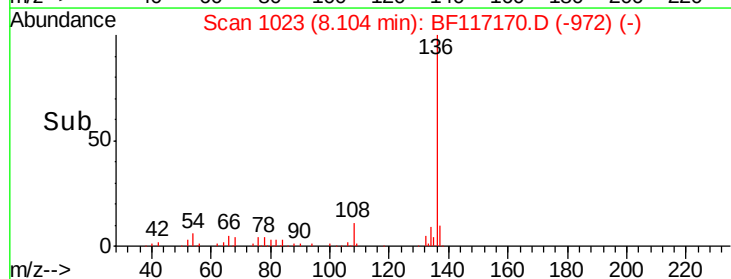
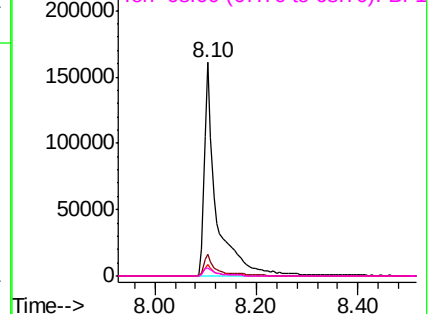
137 10.3 9.0 13.4

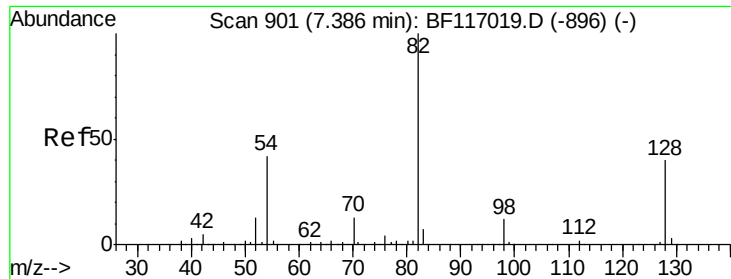
54 5.6 4.5 6.7

68 3.9 4.0 6.0#



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

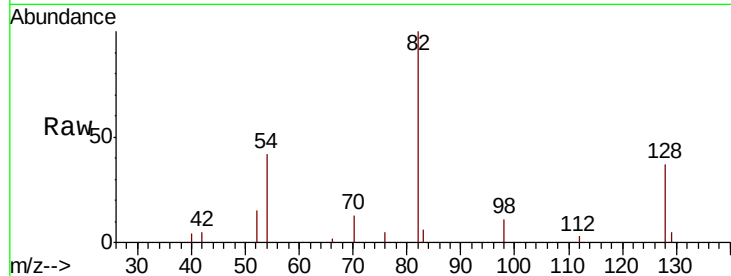




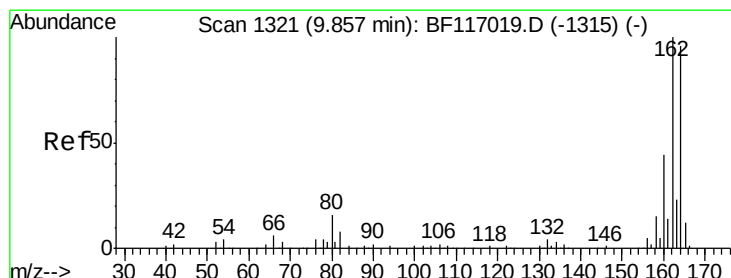
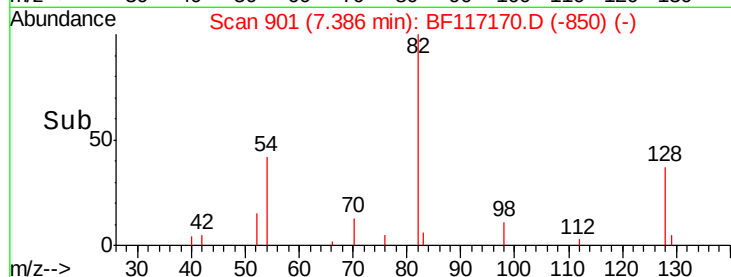
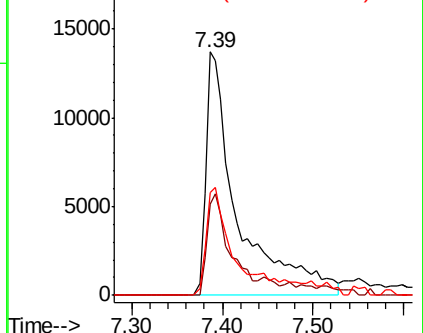
#23
 Nitrobenzene-d5
 Concen: 6.544 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: BF117170.D
 Acq: 19 Sep 2019 2:41

Instrument :
 BNA_F
 ClientSampleId :
 MG-NW-SOIL

Tot Ion	82	Resp	33749
Ion Ratio	Lower	Upper	
82	100		
128	37.4	32.3	48.5
54	42.4	33.3	49.9

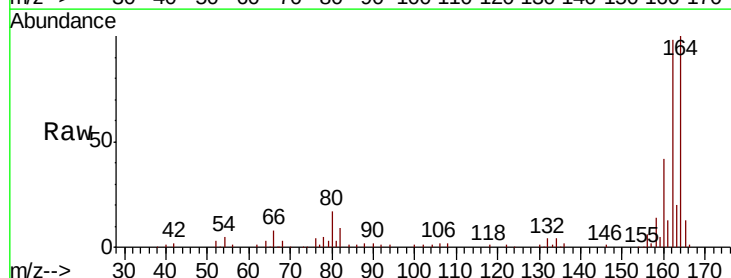


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

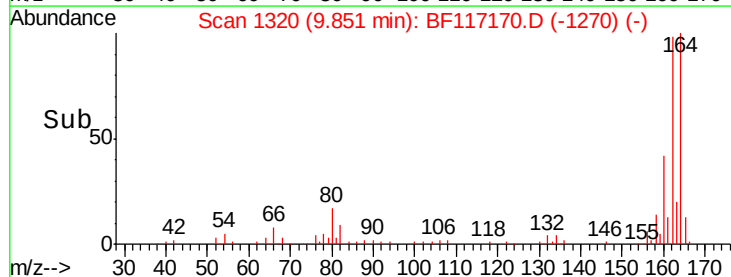
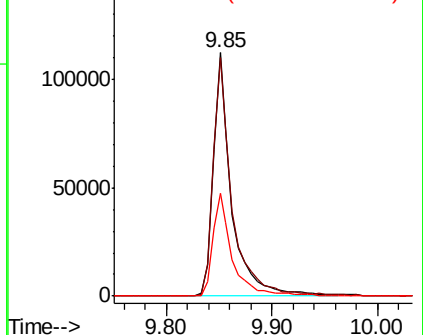


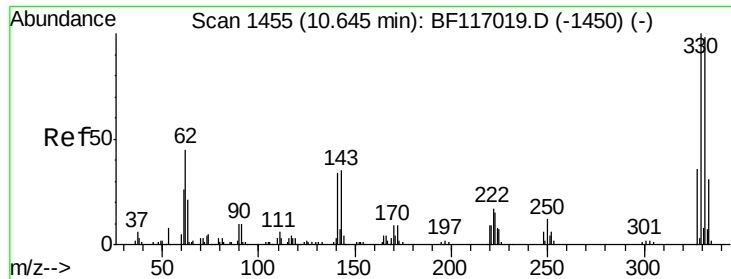
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF117170.D
 Acq: 19 Sep 2019 2:41

Tgt Ion	164	Resp	138339
Ion Ratio	Lower	Upper	
164	100		
162	98.0	83.4	125.2
160	42.5	36.4	54.6



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: 16.581 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BF117170.D

Acq: 19 Sep 2019 2:41

Instrument :

BNA_F

ClientSampleId :

MG-NW-SOIL

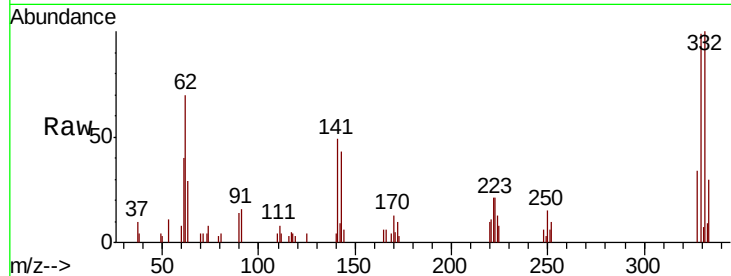
Tot Ion:330 Resp: 19171

Ion Ratio Lower Upper

330 100

332 92.6 78.0 117.0

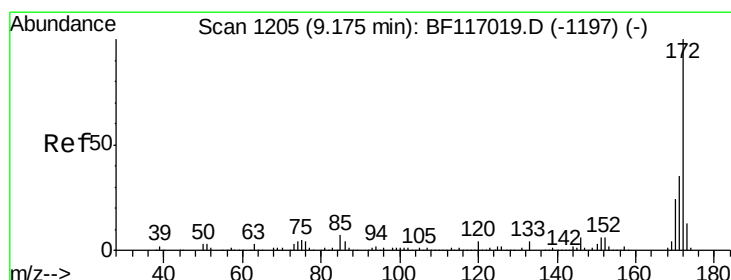
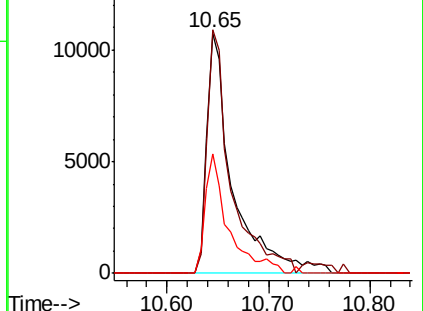
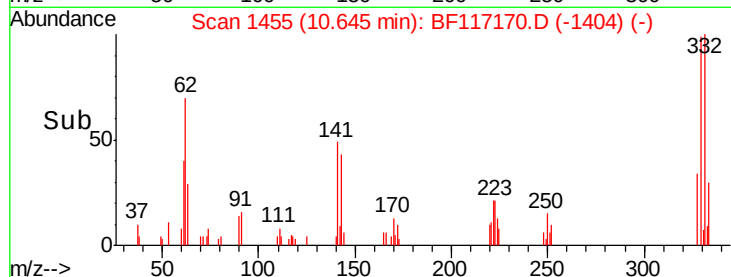
141 43.5 35.8 53.6



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: 13.047 ng

RT: 9.18 min Scan# 1206

Delta R.T. 0.01 min

Lab File: BF117170.D

Acq: 19 Sep 2019 2:41

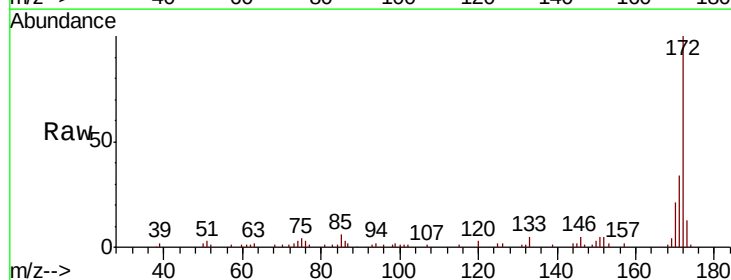
Tgt Ion:172 Resp: 115431

Ion Ratio Lower Upper

172 100

171 33.7 28.2 42.2

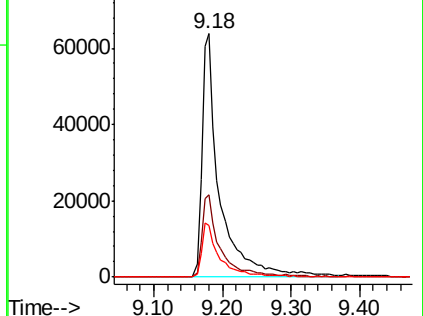
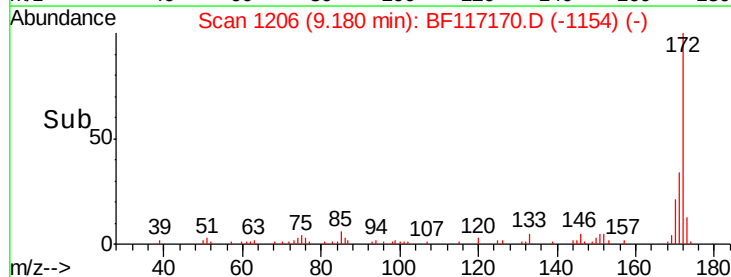
170 21.3 18.9 28.3

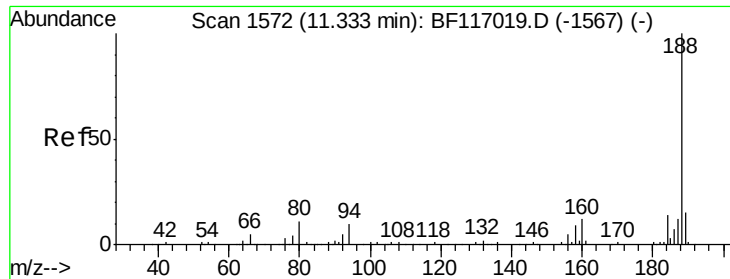


Abundance Ion 172.00 (171.70 to 172.70): E

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: 11.33 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BF117170.D

Acq: 19 Sep 2019 2:41

Instrument :

BNA_F

ClientSampleId :

MG-NW-SOIL

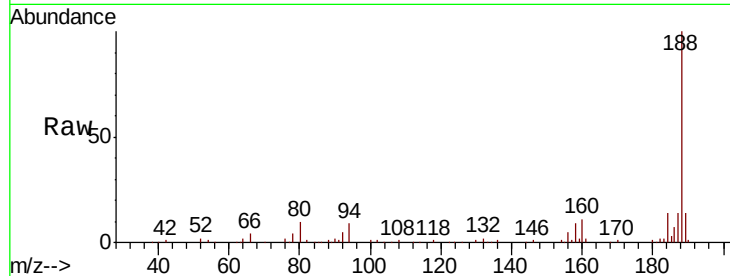
Tot Ion:188 Resp: 219425

Ion Ratio Lower Upper

188 100

94 9.2 8.2 12.2

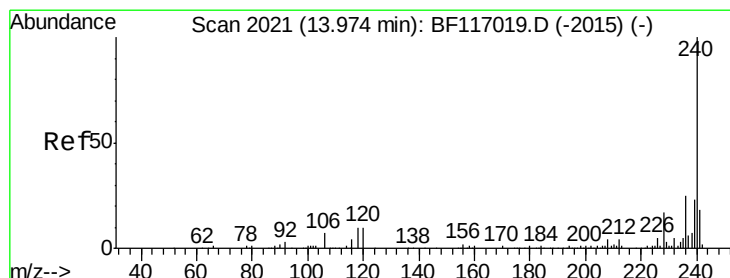
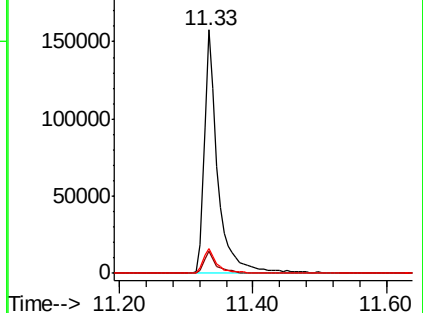
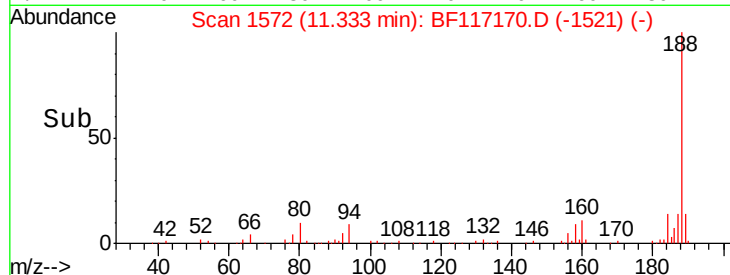
80 10.2 9.0 13.6



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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF117170.D

Acq: 19 Sep 2019 2:41

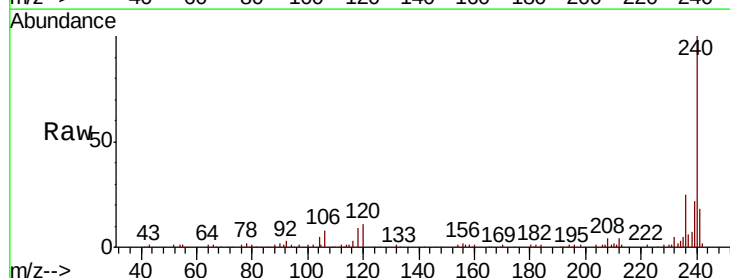
Tgt Ion:240 Resp: 151619

Ion Ratio Lower Upper

240 100

120 11.0 8.3 12.5

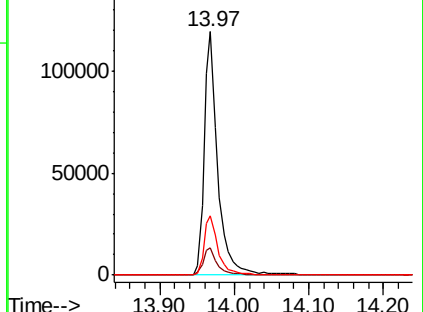
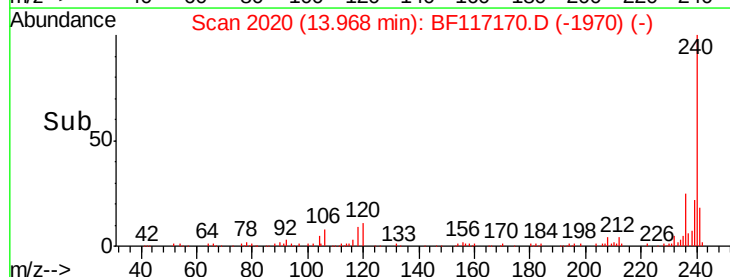
236 24.6 20.3 30.5

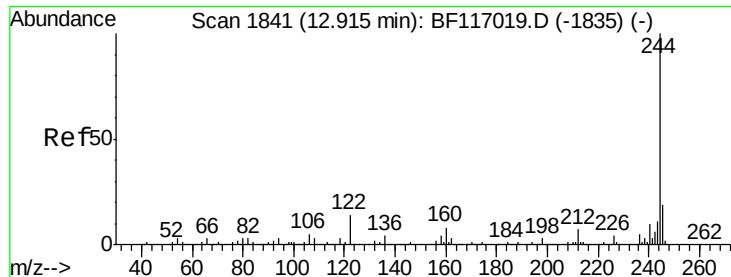


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

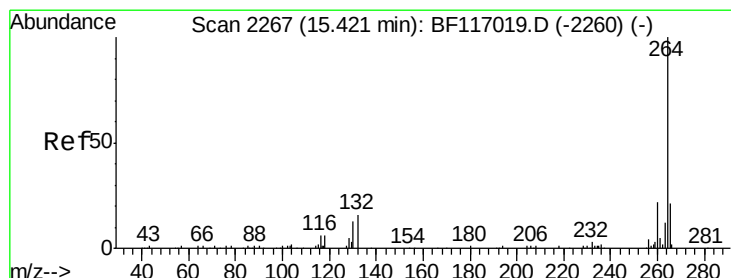
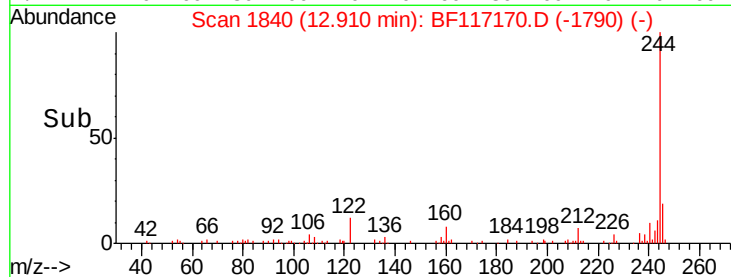
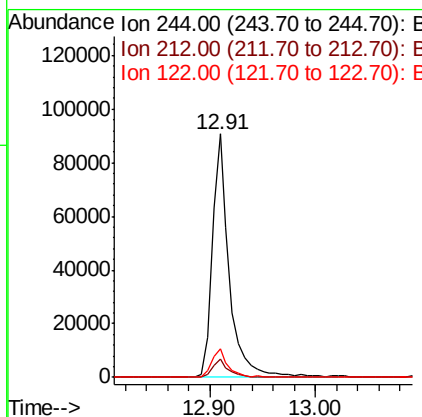
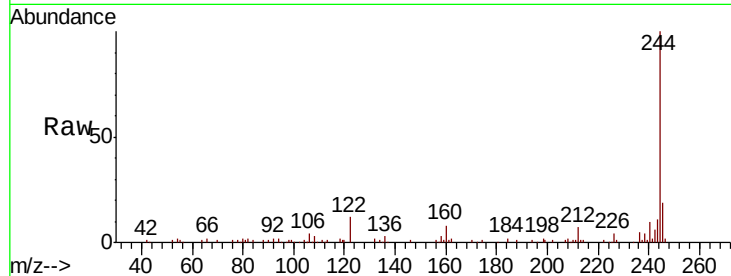




#79
 Terphenyl-d14
 Concen: 12.625 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF117170.D
 Acq: 19 Sep 2019 2:41

Instrument :
 BNA_F
 ClientSampleId :
 MG-NW-SOIL

Tot Ion:244 Resp: 102403
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.8 8.8
 122 11.8 11.3 16.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. -0.01 min
 Lab File: BF117170.D
 Acq: 19 Sep 2019 2:41

Tgt Ion:264 Resp: 143580
 Ion Ratio Lower Upper
 264 100
 260 23.0 17.6 26.4
 265 21.7 16.6 24.8

