

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\
 Data File : BF117112.D
 Acq On : 17 Sep 2019 17:45
 Operator : HP/JU
 Sample : K4860-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-091119

Quant Time: Sep 18 09:35:51 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	61508	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	236527	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	121562	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	190193	20.00	ng	0.00
76) Chrysene-d12	13.97	240	139069	20.00	ng	0.00
87) Perylene-d12	15.42	264	119740	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	497937	126.39	ng	0.02
7) Phenol-d6	6.47	99	597691	117.39	ng	0.01
23) Nitrobenzene-d5	7.39	82	457691	101.67	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	163984	161.40	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	796750	102.48	ng	0.00
79) Terphenyl-d14	12.92	244	792615	106.54	ng	0.00

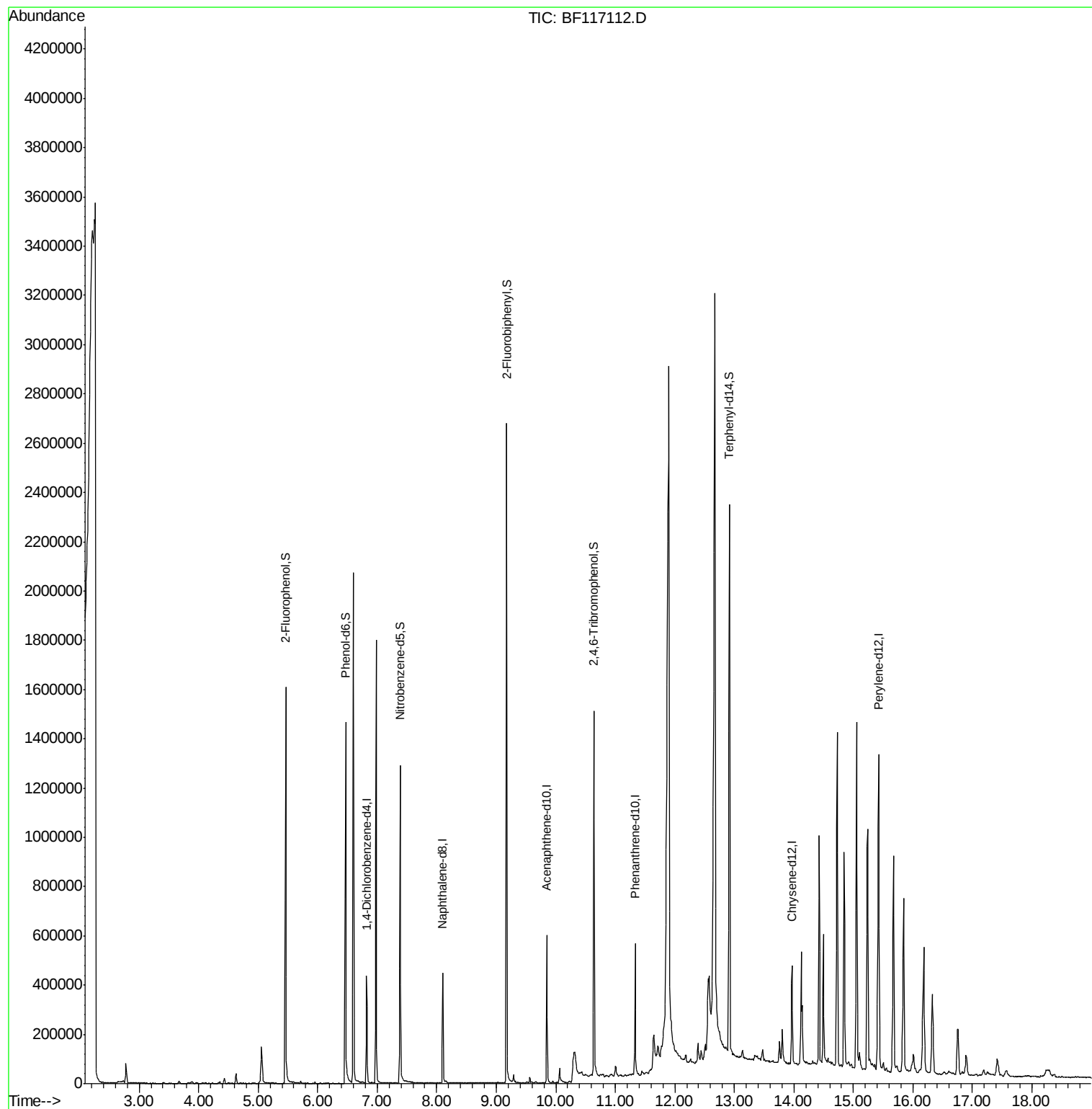
Target Compounds Qvalue

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

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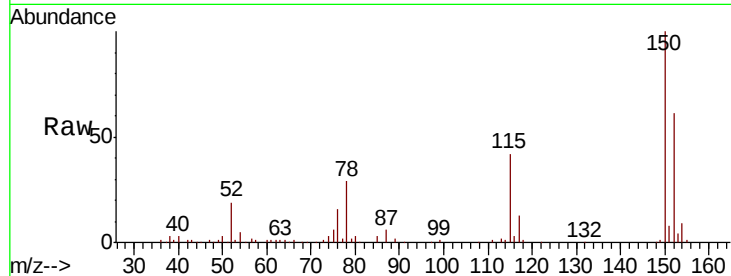


#1

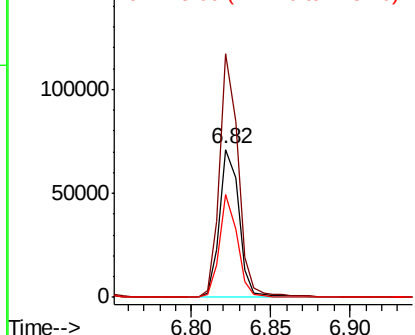
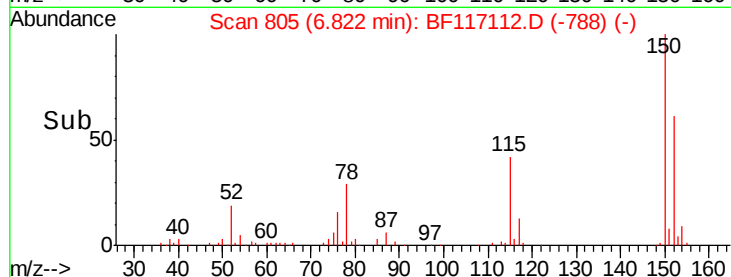
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117112.D
Acq: 17 Sep 2019 17:45

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-091119

Tot Ion:152 Resp: 61508
Ion Ratio Lower Upper
152 100
150 164.5 127.5 191.3
115 69.2 55.0 82.4



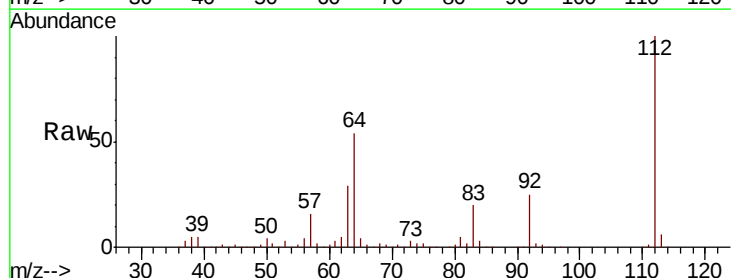
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



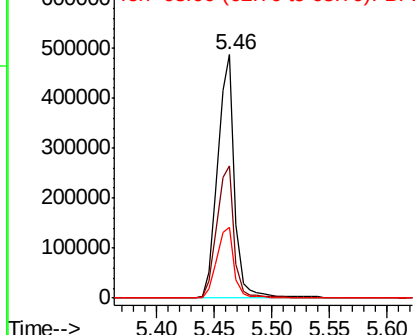
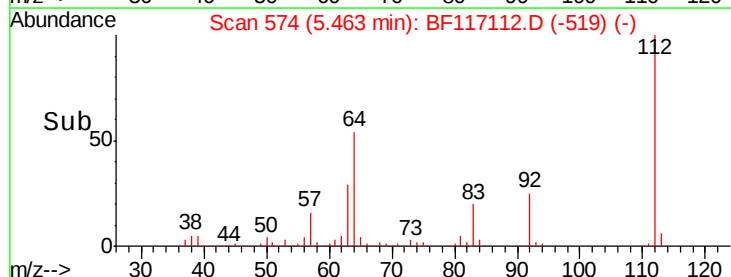
#5

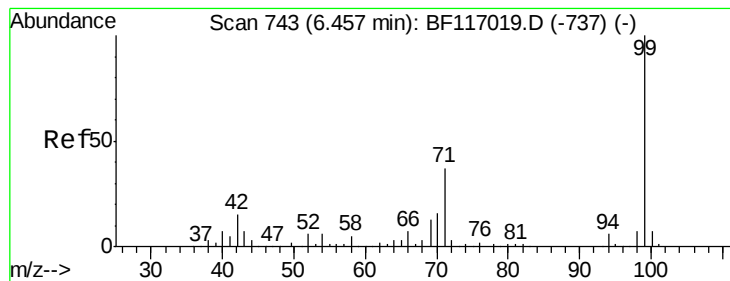
2-Fluorophenol
Concen: 126.391 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.02 min
Lab File: BF117112.D
Acq: 17 Sep 2019 17:45

Tgt Ion:112 Resp: 497937
Ion Ratio Lower Upper
112 100
64 54.3 45.7 68.5
63 29.2 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: 117.391 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF117112.D

Acq: 17 Sep 2019 17:45

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-091119

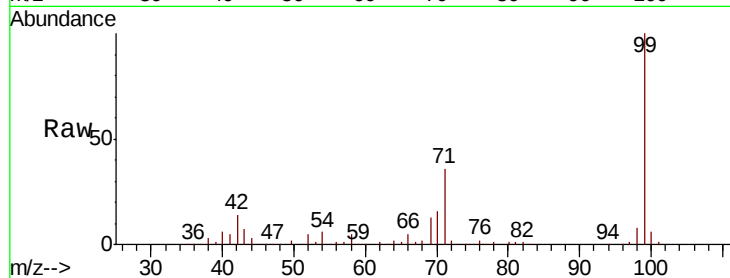
Tot Ion: 99 Resp: 597691

Ion Ratio Lower Upper

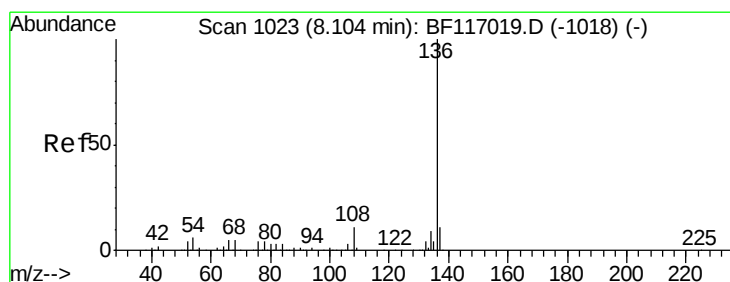
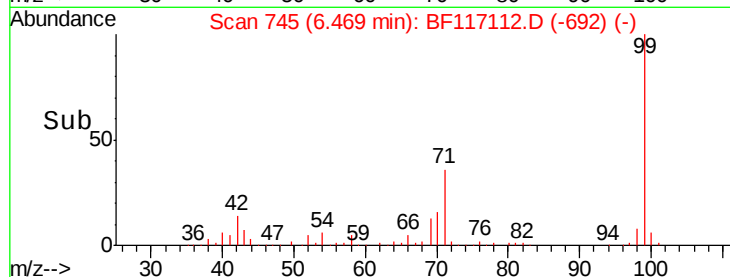
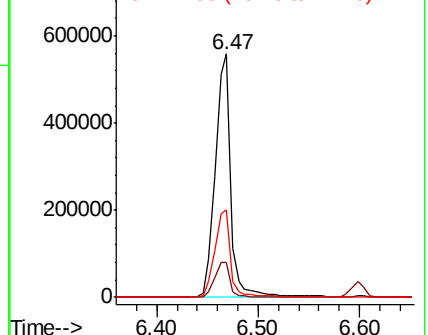
99 100

42 14.2 12.2 18.2

71 36.1 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: BF117112.D

Acq: 17 Sep 2019 17:45

Tgt Ion: 136 Resp: 236527

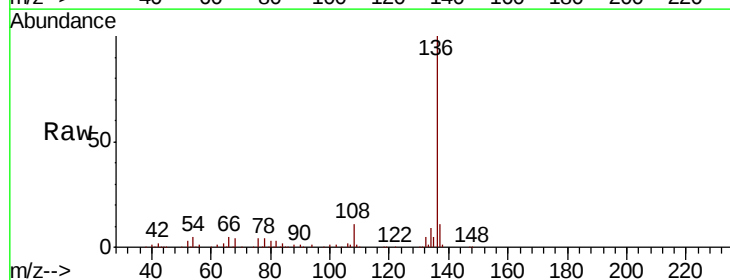
Ion Ratio Lower Upper

136 100

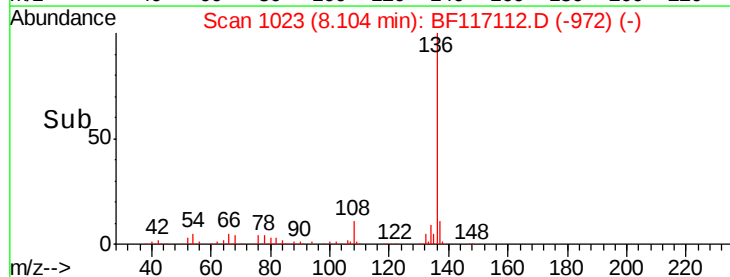
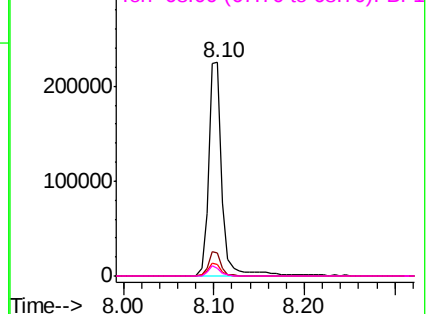
137 10.8 9.0 13.4

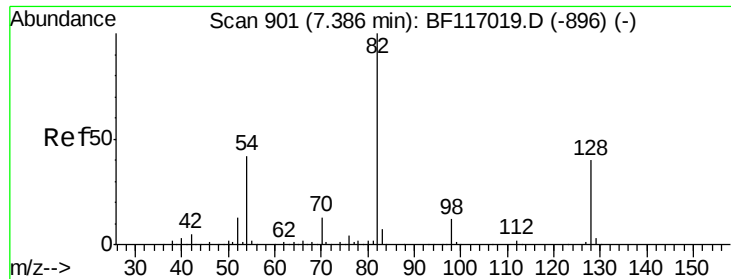
54 5.1 4.5 6.7

68 3.8 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

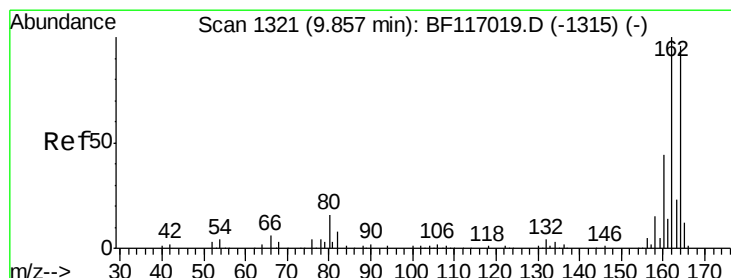
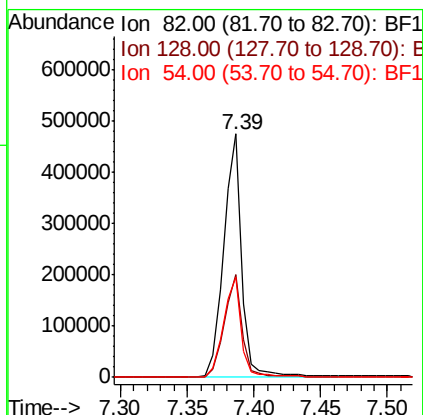
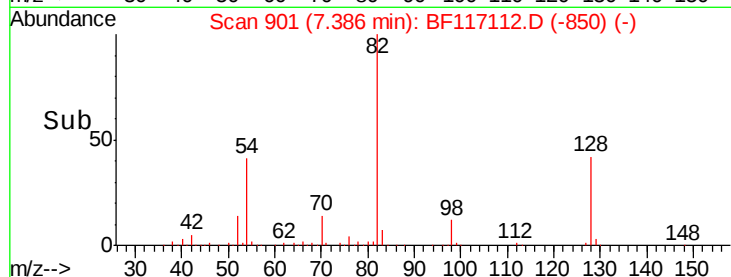
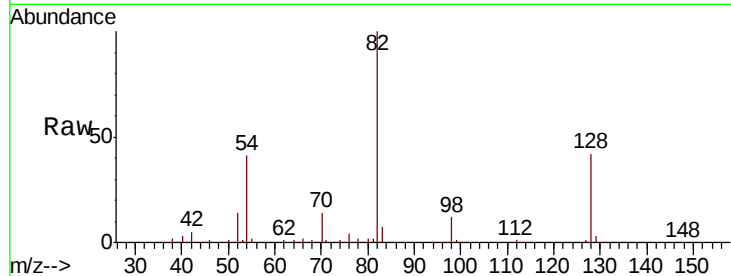




#23
 Nitrobenzene-d5
 Concen: 101.672 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF117112.D
 Acq: 17 Sep 2019 17:45

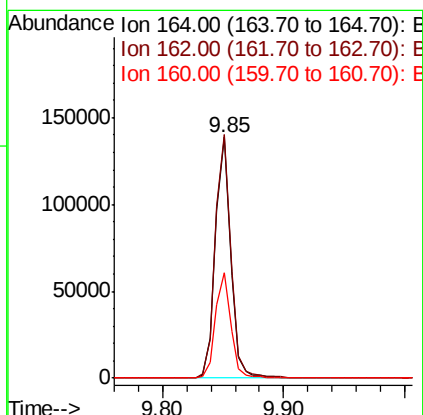
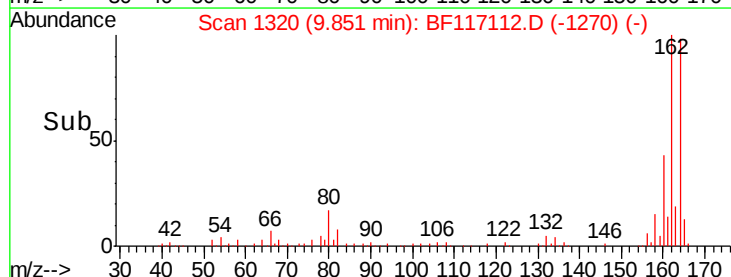
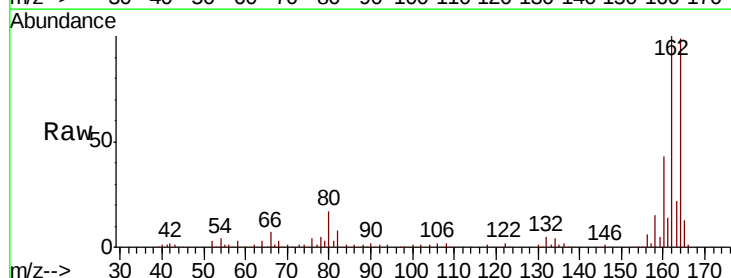
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-091119

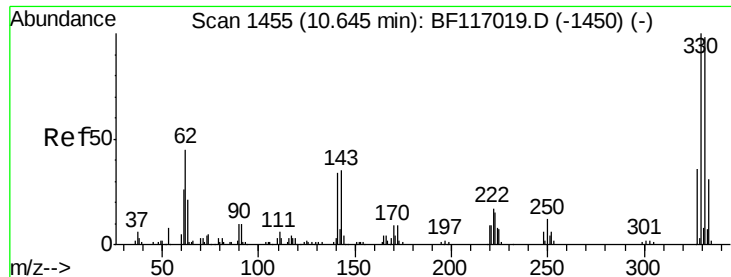
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.5	32.3	48.5
54	41.0	33.3	49.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF117112.D
 Acq: 17 Sep 2019 17:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.2	83.4	125.2
160	43.7	36.4	54.6





#42

2,4,6-Tribromophenol

Concen: 161.405 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117112.D

Acq: 17 Sep 2019 17:45

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-091119

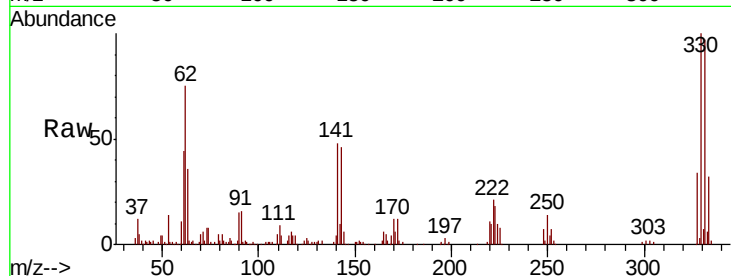
Tot Ion:330 Resp: 163984

Ion Ratio Lower Upper

330 100

332 96.8 78.0 117.0

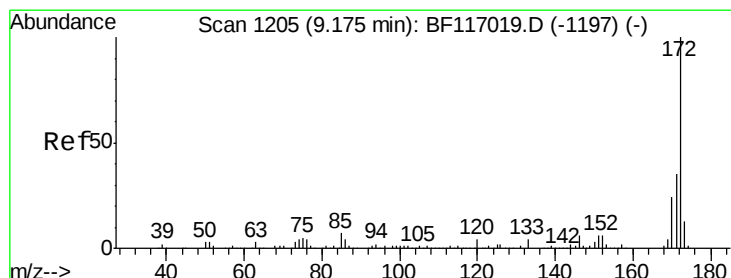
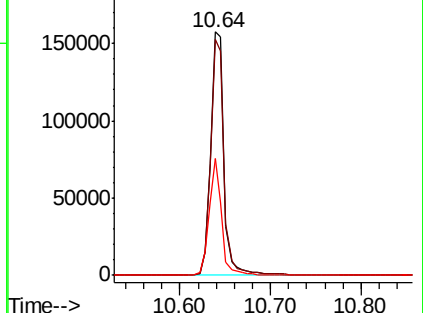
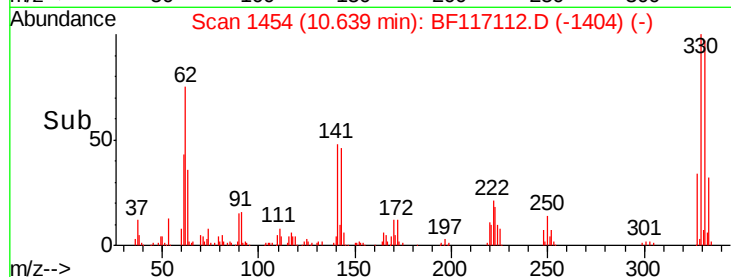
141 45.0 35.8 53.6



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: 102.481 ng

RT: 9.17 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BF117112.D

Acq: 17 Sep 2019 17:45

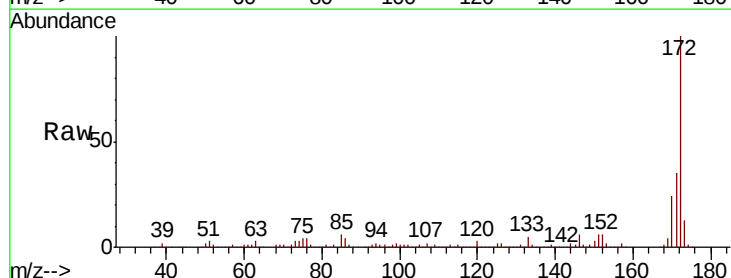
Tgt Ion:172 Resp: 796750

Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.2

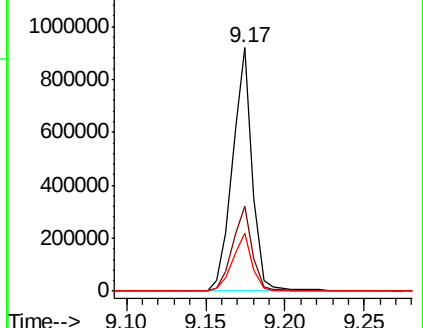
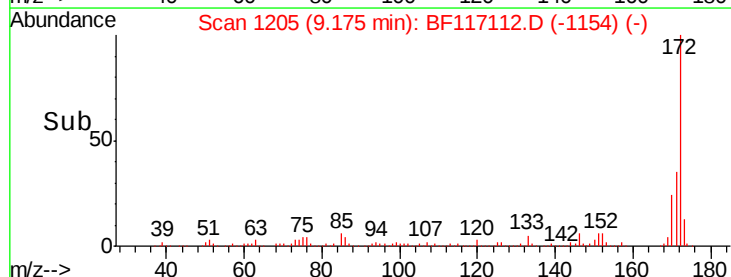
170 23.6 18.9 28.3

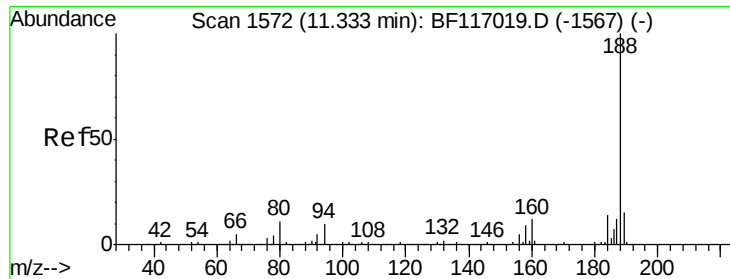


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

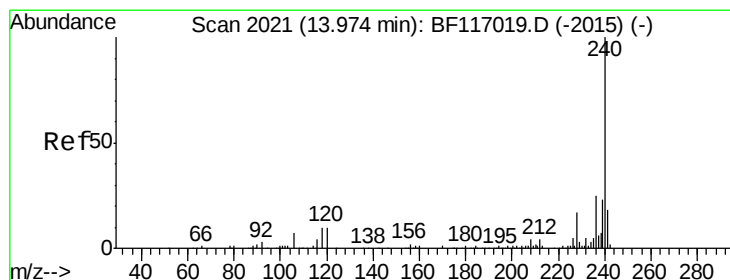
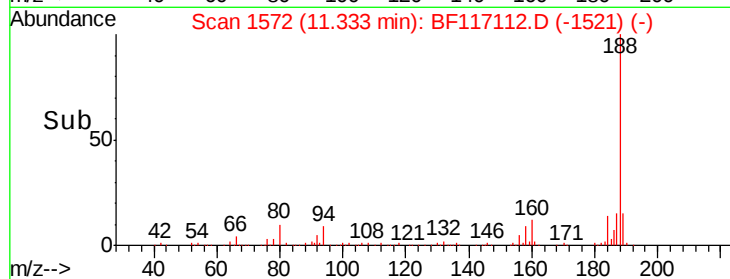
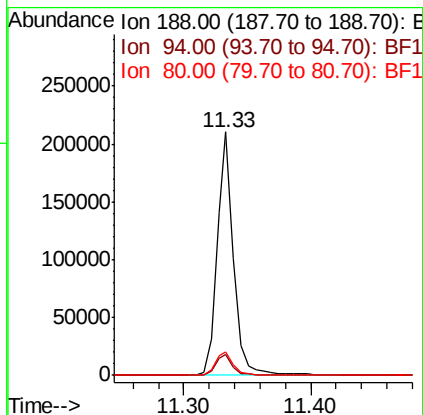
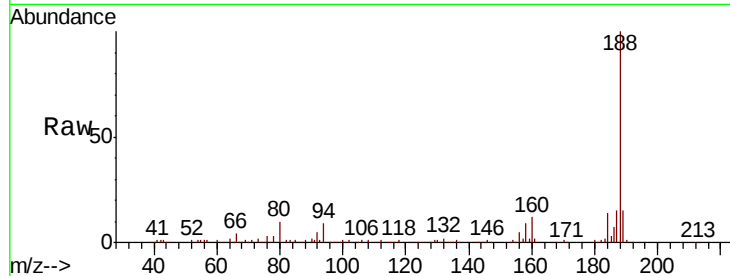




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF117112.D
Acq: 17 Sep 2019 17:45

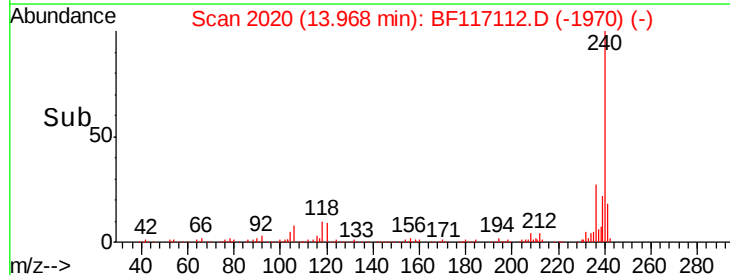
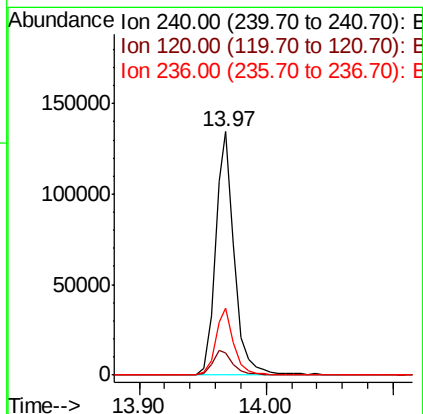
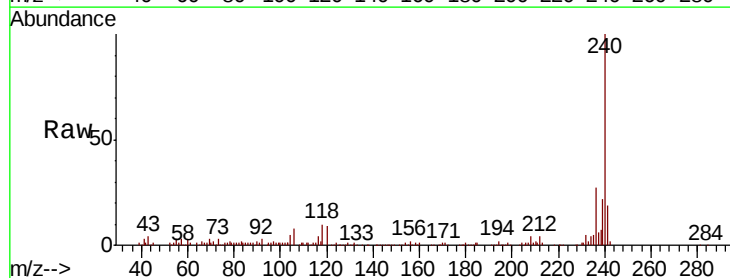
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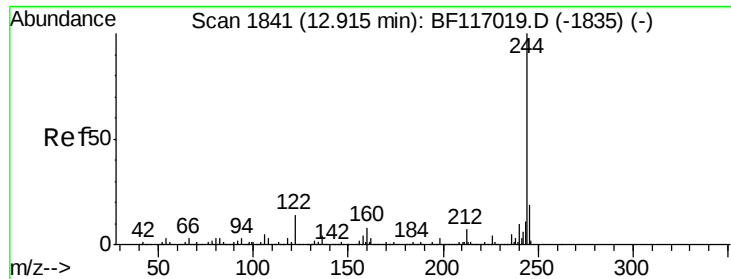
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.2	12.2
80	9.7	9.0	13.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117112.D
Acq: 17 Sep 2019 17:45

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.2	8.3	12.5
236	27.3	20.3	30.5

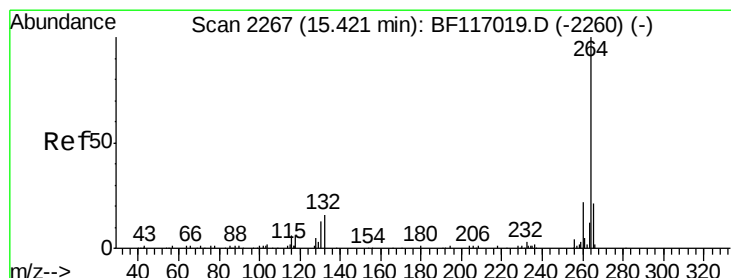
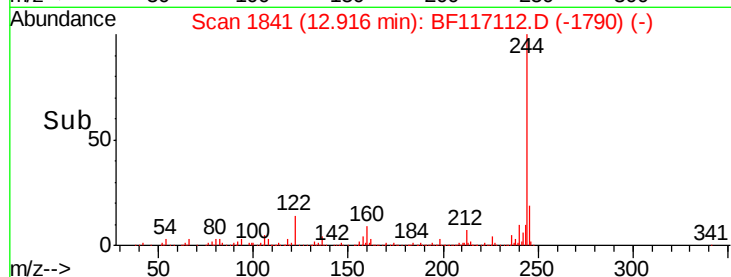
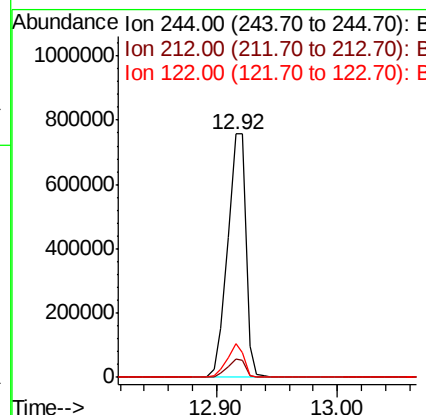
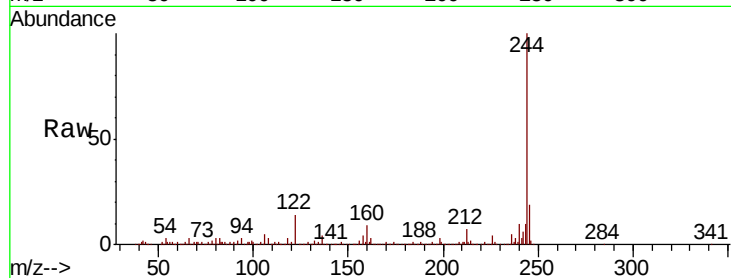




#79
 Terphenyl-d14
 Concen: 106.535 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF117112.D
 Acq: 17 Sep 2019 17:45

Instrument :
 BNA_F
 ClientSampleID :
 IDW-SOIL-091119

Tot Ion:244 Resp: 792615
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.8
 122 13.7 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: BF117112.D
 Acq: 17 Sep 2019 17:45

Tgt Ion:264 Resp: 119740
 Ion Ratio Lower Upper
 264 100
 260 24.5 17.6 26.4
 265 21.3 16.6 24.8

