

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
 Data File : BF116621.D
 Acq On : 28 Aug 2019 18:12
 Operator : HP/JU
 Sample : K4559-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-SAMPLE-4

Quant Time: Aug 29 02:09:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 28 13:34:15 2019
 Response via : Initial Calibration

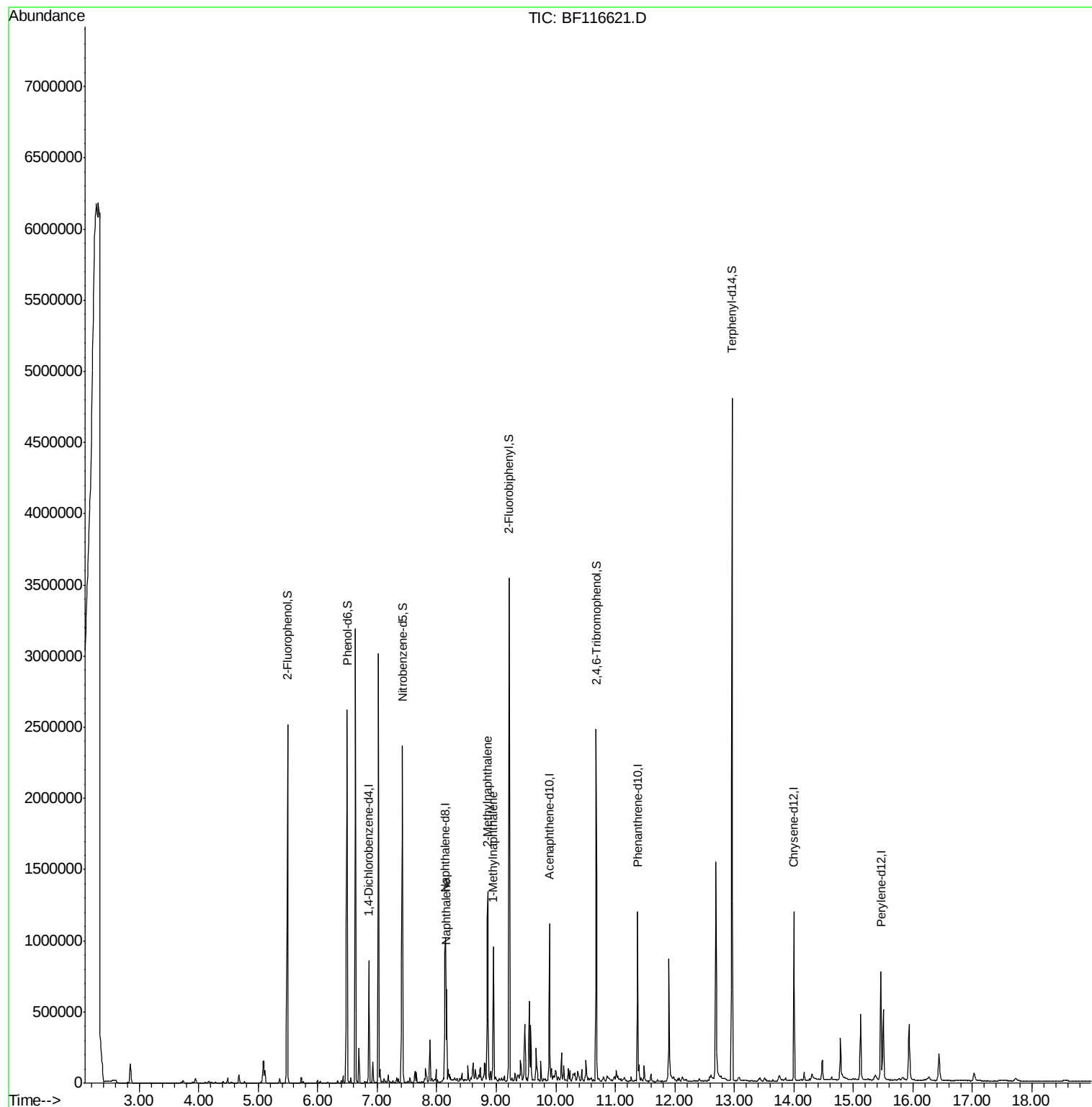
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	112850	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	443200	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	208674	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	381785	20.00	ng	0.00
76) Chrysene-d12	14.00	240	350325	20.00	ng	0.00
87) Perylene-d12	15.46	264	361021	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	699362	107.04	ng	0.01
7) Phenol-d6	6.49	99	883160	99.70	ng	0.00
23) Nitrobenzene-d5	7.42	82	760718	98.21	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	275013	138.49	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1202329	95.89	ng	0.00
79) Terphenyl-d14	12.96	244	1637226	76.01	ng	0.00
Target Compounds						
31) Naphthalene	8.16	128	248097	11.686	ng	99
37) 2-Methylnaphthalene	8.86	142	354823	26.762	ng	99
38) 1-Methylnaphthalene	8.95	142	242314	18.714	ng	97

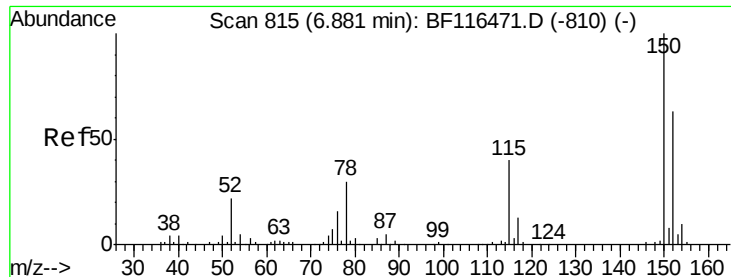
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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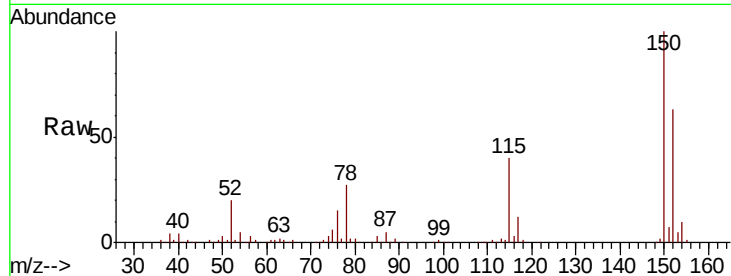


#1

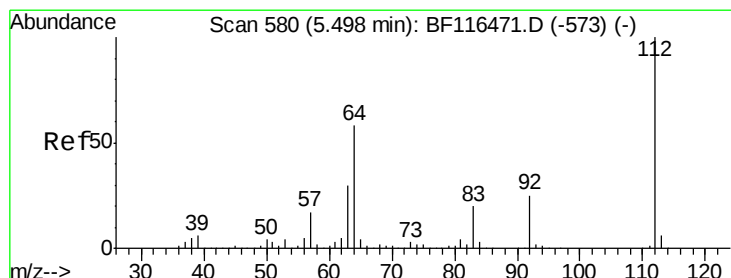
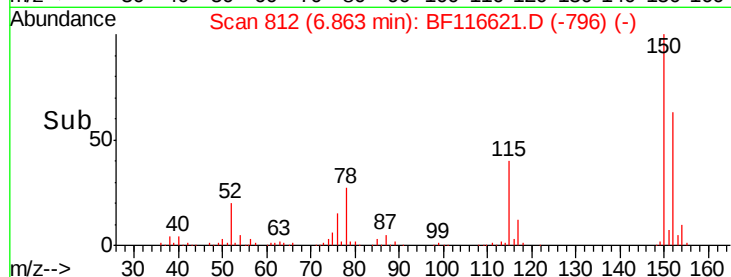
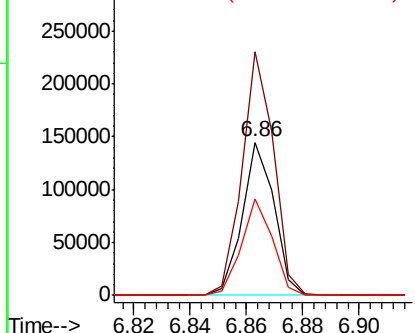
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF116621.D
Acq: 28 Aug 2019 18:12

Instrument :
BNA_F
ClientSampleId :
SOIL-SAMPLE-4

Tot Ion:152 Resp: 112850
Ion Ratio Lower Upper
152 100
150 159.1 123.4 185.2
115 63.3 48.2 72.2



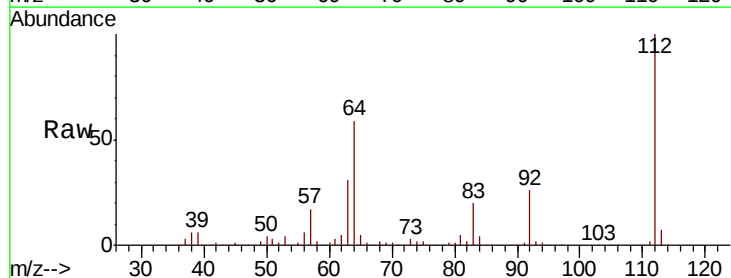
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



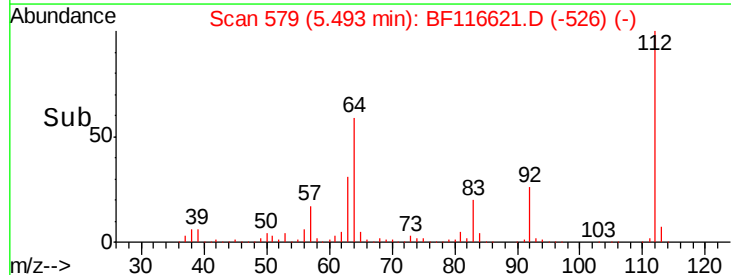
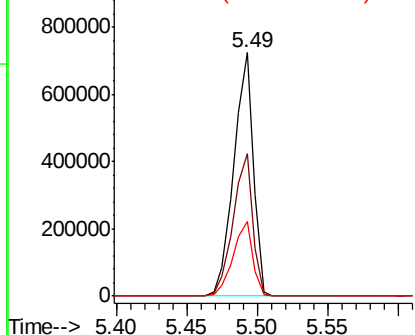
#5

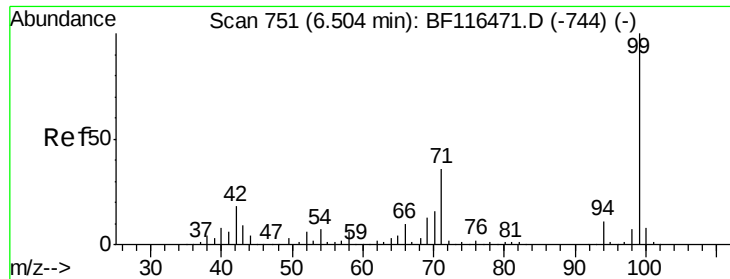
2-Fluorophenol
Concen: 107.041 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF116621.D
Acq: 28 Aug 2019 18:12

Tgt Ion:112 Resp: 699362
Ion Ratio Lower Upper
112 100
64 58.5 48.0 72.0
63 30.7 24.6 36.8



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: 99.703 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF116621.D

Acq: 28 Aug 2019 18:12

Instrument :

BNA_F

ClientSampleId :

SOIL-SAMPLE-4

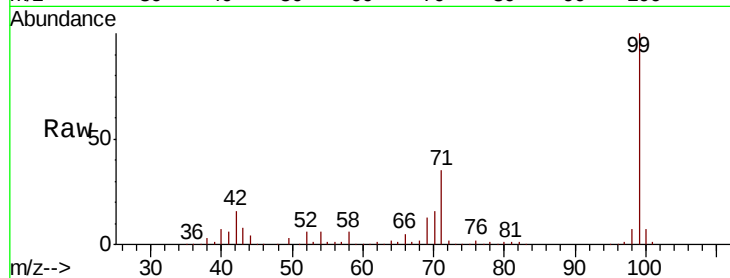
Tot Ion: 99 Resp: 883160

Ion Ratio Lower Upper

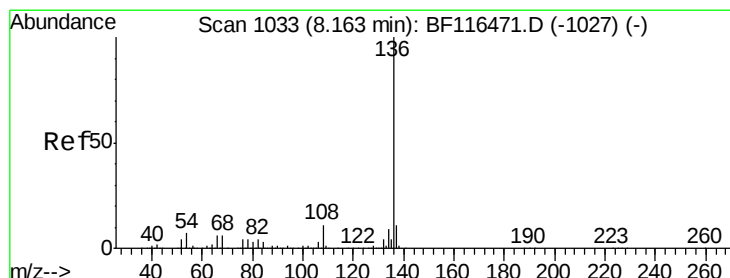
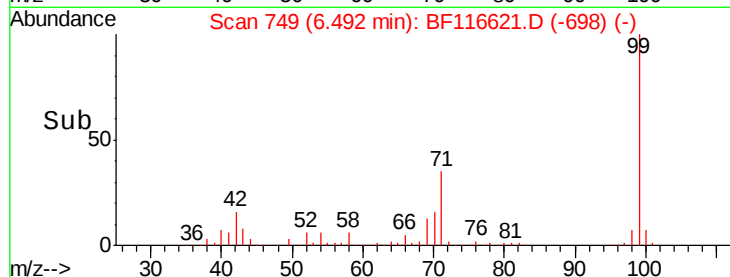
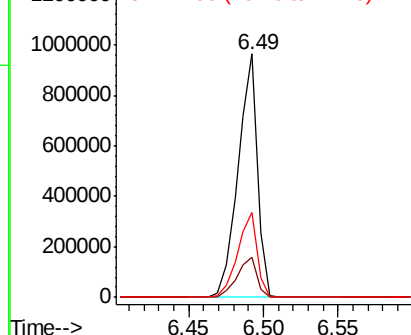
99 100

42 16.4 13.2 19.8

71 35.1 27.4 41.2



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: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF116621.D

Acq: 28 Aug 2019 18:12

Tgt Ion: 136 Resp: 443200

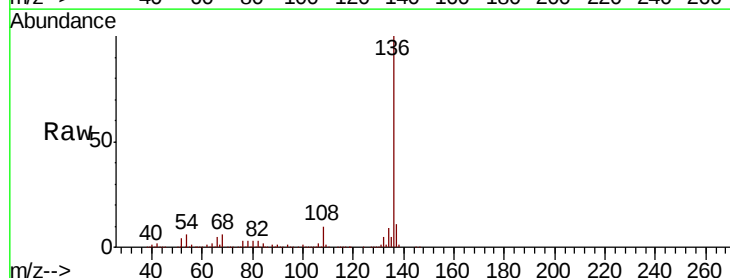
Ion Ratio Lower Upper

136 100

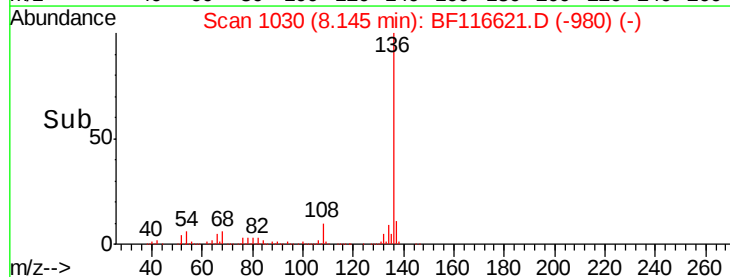
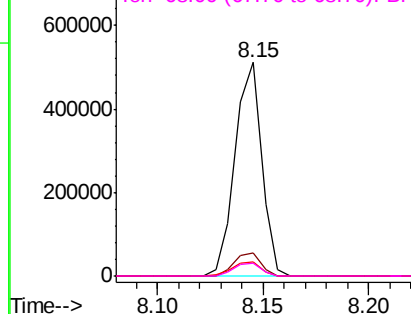
137 10.6 8.7 13.1

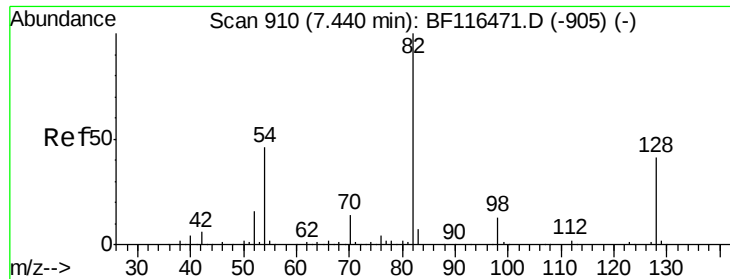
54 6.4 5.0 7.4

68 6.0 4.5 6.7



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

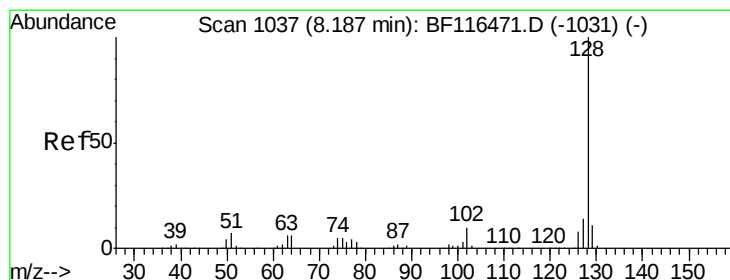
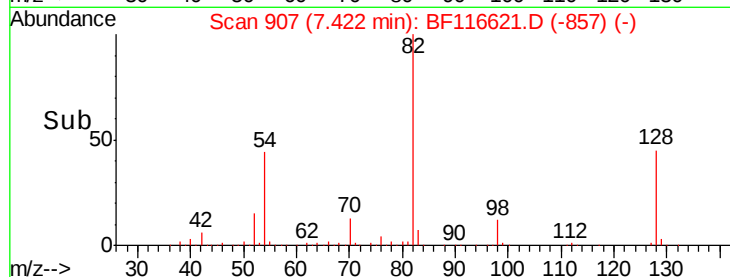
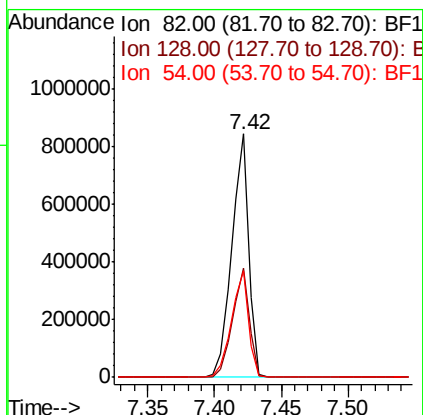
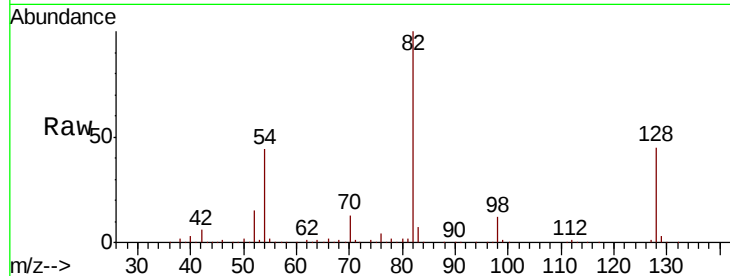




#23
 Nitrobenzene-d5
 Concen: 98.214 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF116621.D
 Acq: 28 Aug 2019 18:12

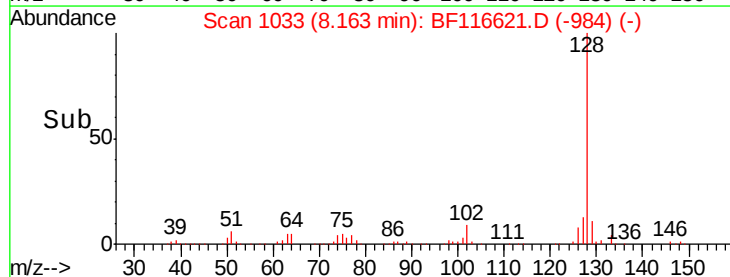
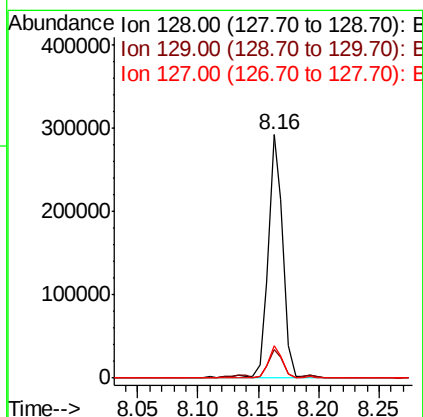
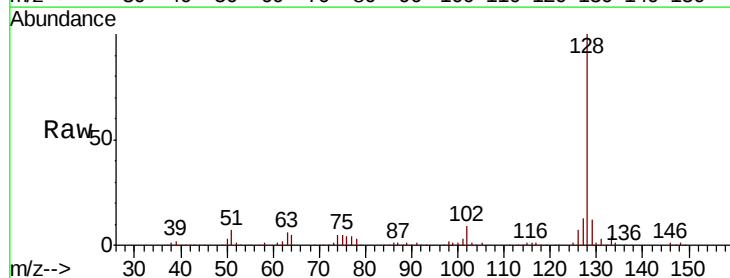
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-SAMPLE-4

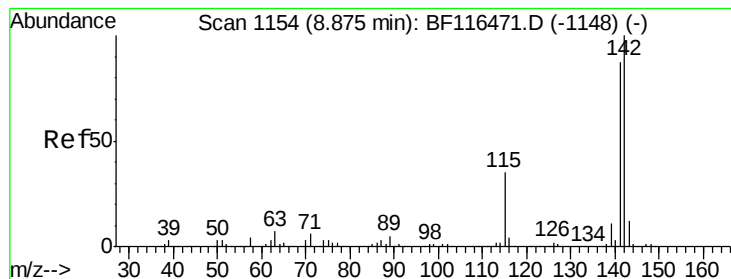
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.9	35.0	52.6
54	43.8	34.4	51.6



#31
 Naphthalene
 Concen: 11.686 ng
 RT: 8.16 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BF116621.D
 Acq: 28 Aug 2019 18:12

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.9	13.3
127	13.2	10.9	16.3





#37

2-Methylnaphthalene

Concen: 26.762 ng

RT: 8.86 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BF116621.D

Acq: 28 Aug 2019 18:12

Instrument :

BNA_F

ClientSampleId :

SOIL-SAMPLE-4

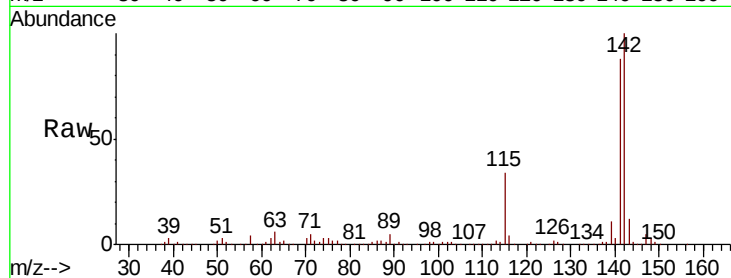
Tot Ion:142 Resp: 354823

Ion Ratio Lower Upper

142 100

141 87.8 69.5 104.3

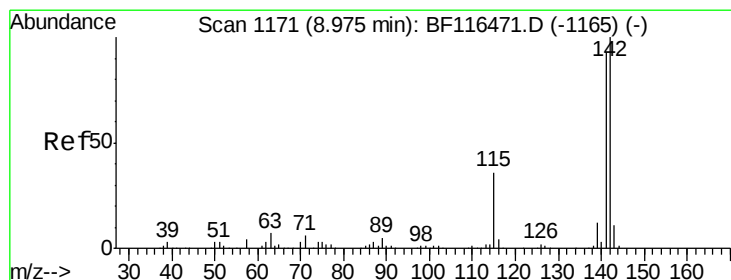
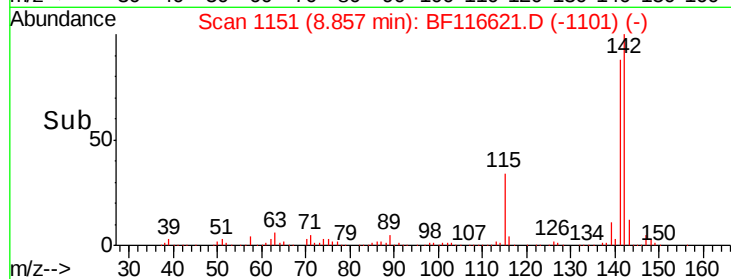
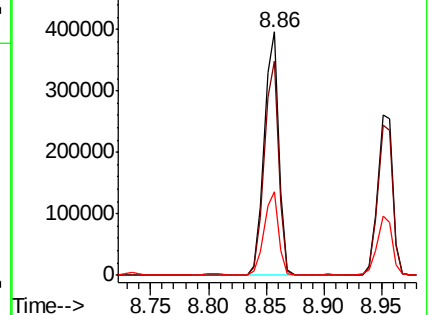
115 34.1 26.0 39.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 18.714 ng

RT: 8.95 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BF116621.D

Acq: 28 Aug 2019 18:12

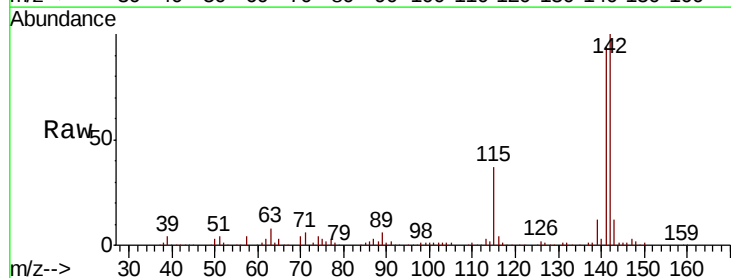
Tgt Ion:142 Resp: 242314

Ion Ratio Lower Upper

142 100

141 93.9 73.1 109.7

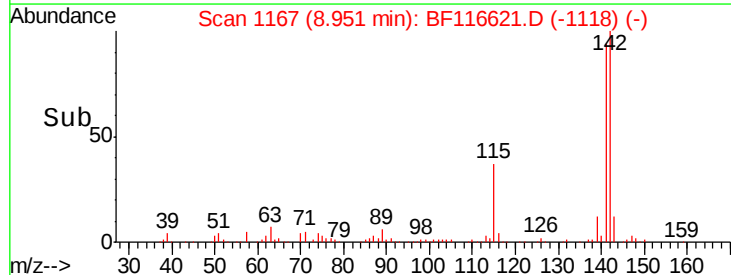
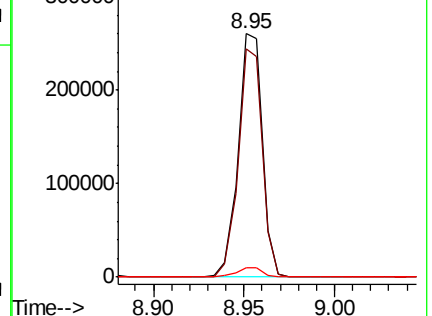
116 3.9 2.7 4.1

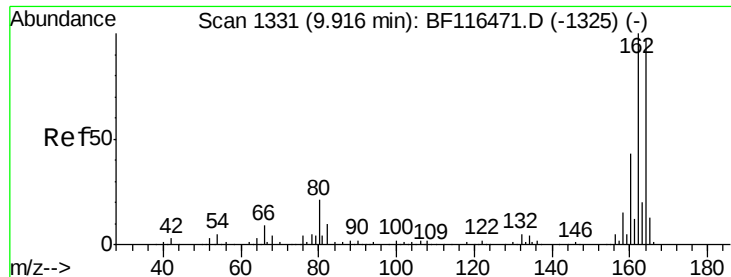


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

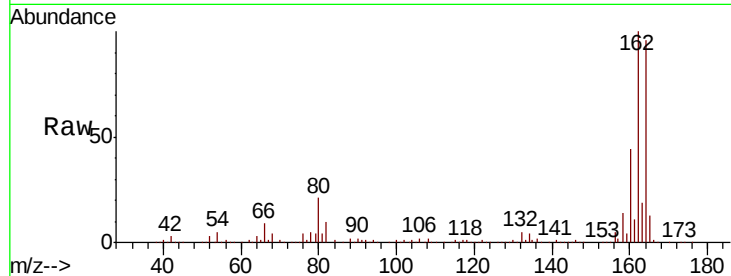




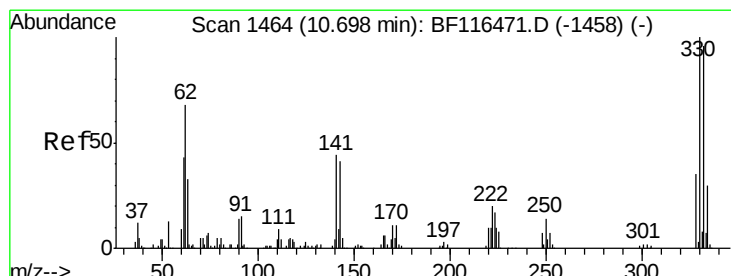
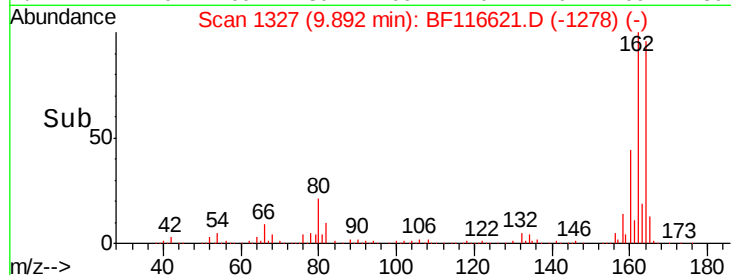
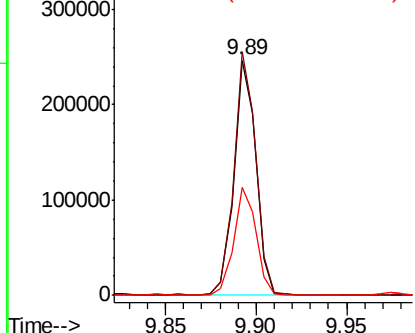
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF116621.D
 Acq: 28 Aug 2019 18:12

Instrument :
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 SOIL-SAMPLE-4

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.8	83.4	125.0
160	45.9	37.0	55.4

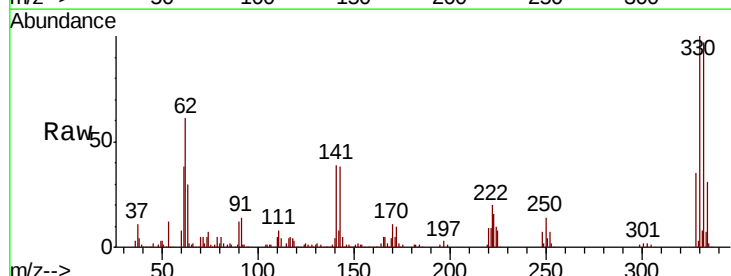


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

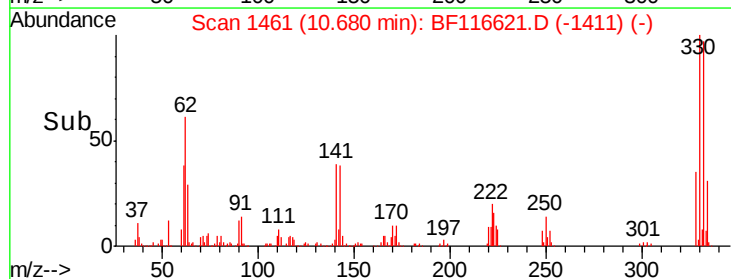
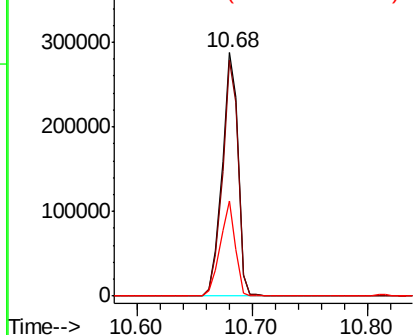


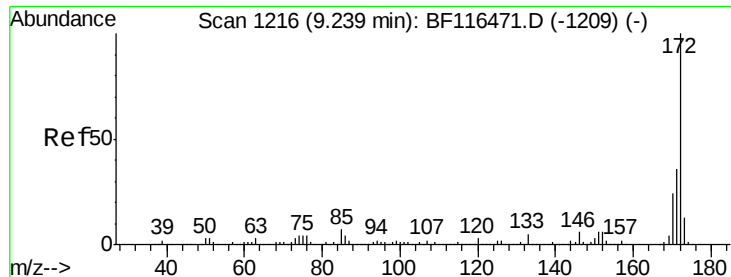
#42
 2,4,6-Tribromophenol
 Concen: 138.492 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF116621.D
 Acq: 28 Aug 2019 18:12

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.5	116.3
141	37.6	28.2	42.2



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



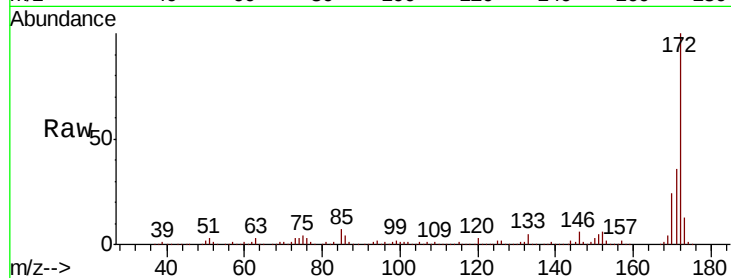


#45
 2-Fluorobiphenyl
 Concen: 95.887 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: BF116621.D
 Acq: 28 Aug 2019 18:12

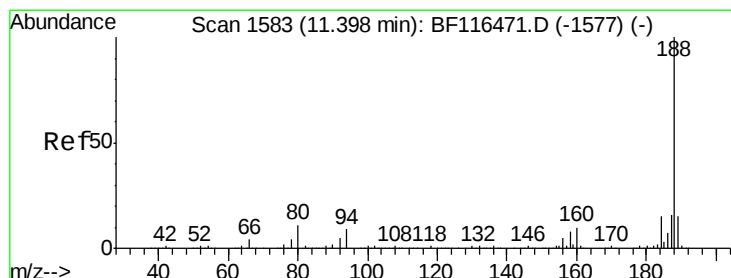
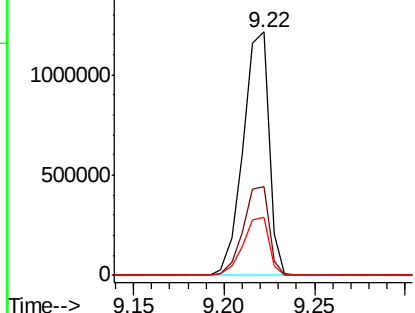
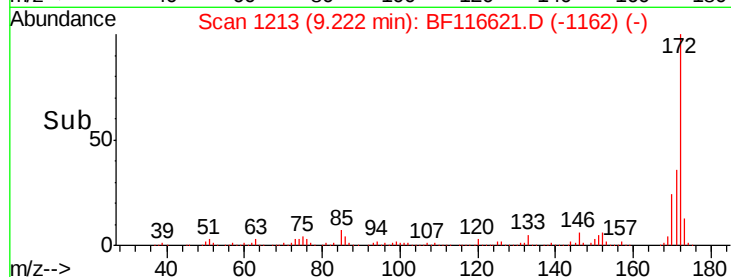
Instrument :
 BNA_F
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 SOIL-SAMPLE-4

Tot Ion:172 Resp: 1202329

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.6
170	23.8	19.3	28.9



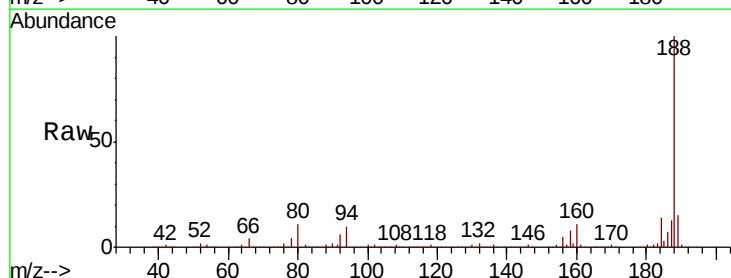
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



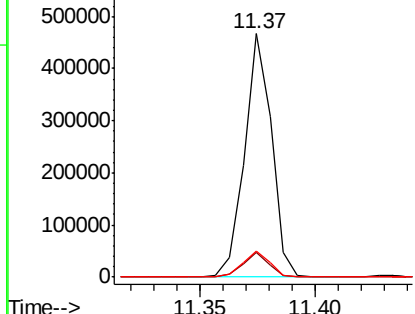
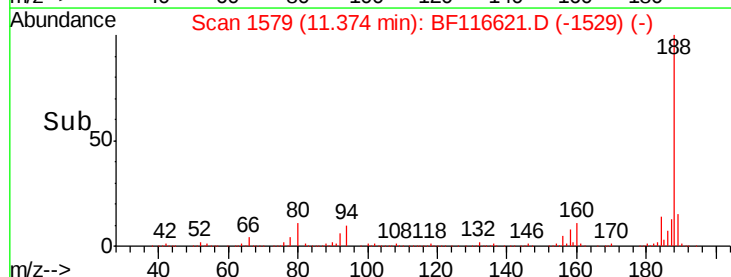
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF116621.D
 Acq: 28 Aug 2019 18:12

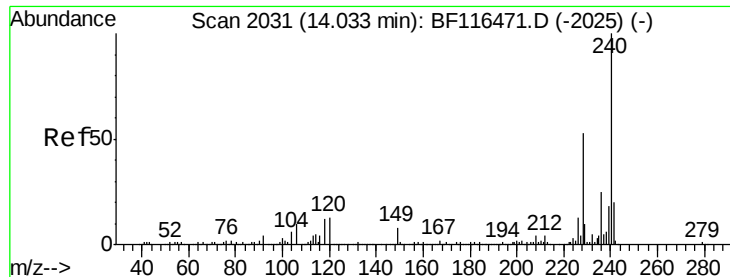
Tgt Ion:188 Resp: 381785

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.2	12.4
80	10.9	8.9	13.3



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: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF116621.D

Acq: 28 Aug 2019 18:12

Instrument :

BNA_F

ClientSampleId :

SOIL-SAMPLE-4

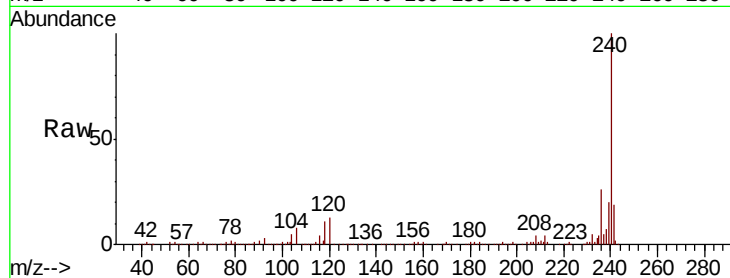
Tot Ion:240 Resp: 350325

Ion Ratio Lower Upper

240 100

120 12.9 11.3 16.9

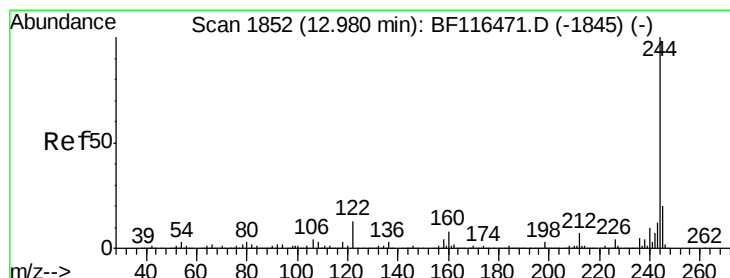
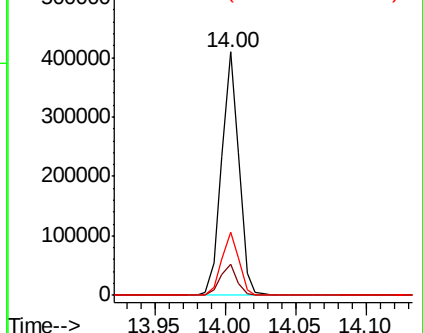
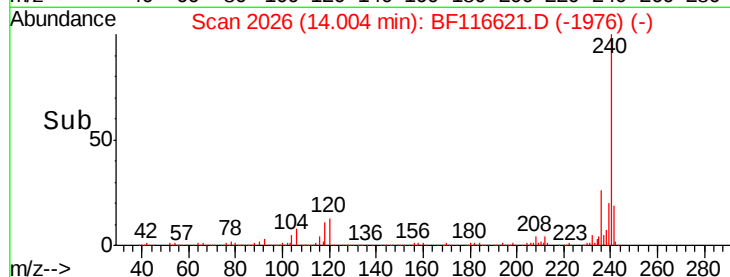
236 25.9 21.4 32.2



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: 76.006 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.00 min

Lab File: BF116621.D

Acq: 28 Aug 2019 18:12

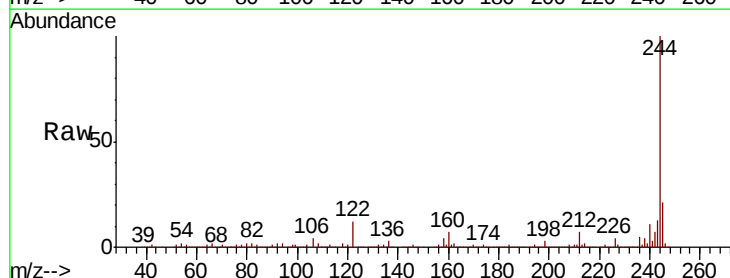
Tgt Ion:244 Resp: 1637226

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

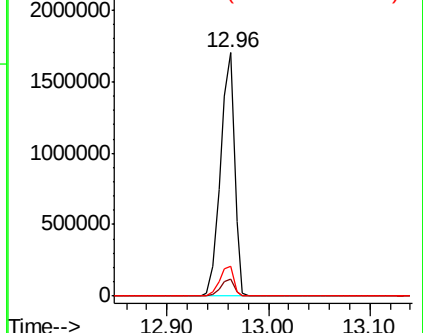
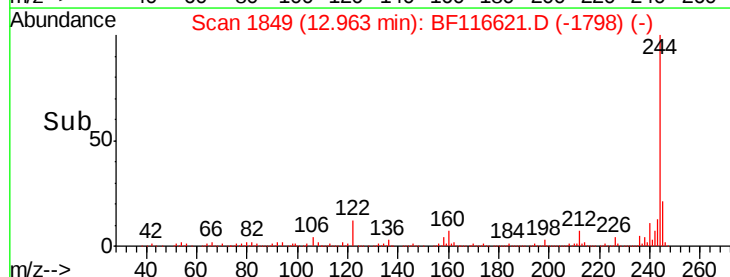
122 12.3 10.0 15.0

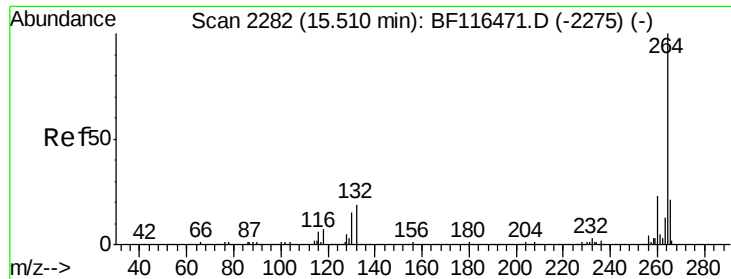


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.46 min Scan# 2274
 Delta R.T. -0.01 min
 Lab File: BF116621.D
 Acq: 28 Aug 2019 18:12

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-SAMPLE-4

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	20.0	30.0
265	21.4	17.6	26.4

