

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
 Data File : BF116146.D
 Acq On : 10 Aug 2019 13:09
 Operator : HP/JU
 Sample : K4196-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-073119-SOIL

Quant Time: Aug 12 01:42:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

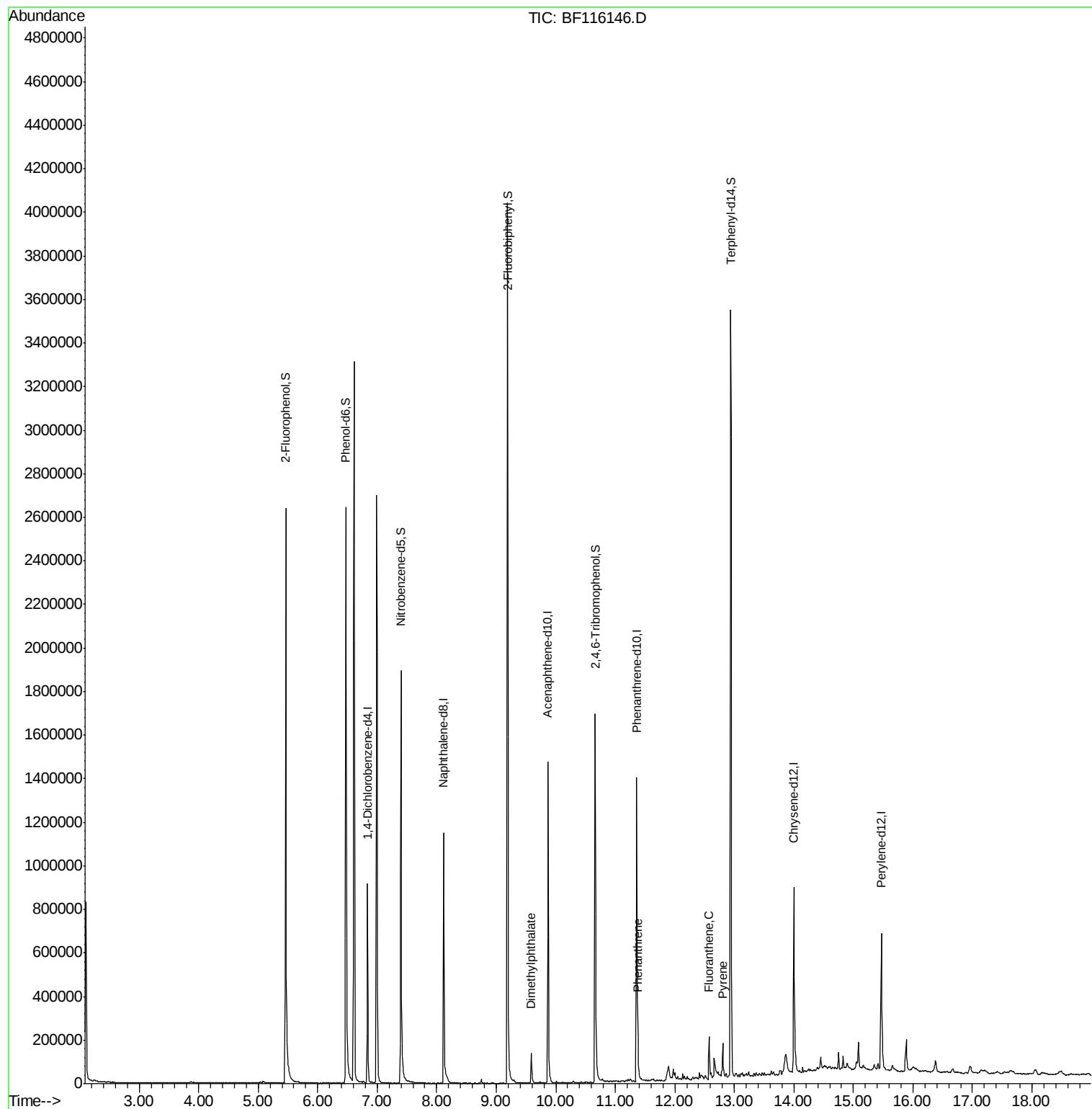
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	151710	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	608008	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	326361	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	543699	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	318134	20.00	ng	0.00
87) Perylene-d12	15.47	264	336028	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	850710	93.87	ng	0.00
7) Phenol-d6	6.47	99	1118506	97.82	ng	-0.01
23) Nitrobenzene-d5	7.40	82	733973	69.68	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	248179	78.43	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1322689	75.91	ng	-0.01
79) Terphenyl-d14	12.94	244	1292599	85.62	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.59	163	78285	3.523	ng	99
71) Phenanthrene	11.38	178	57784	2.079	ng	98
75) Fluoranthene	12.57	202	78614	2.702	ng	99
78) Pyrene	12.80	202	65671	2.738	ng	99

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

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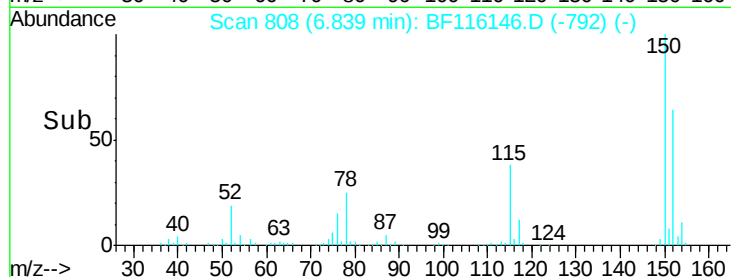
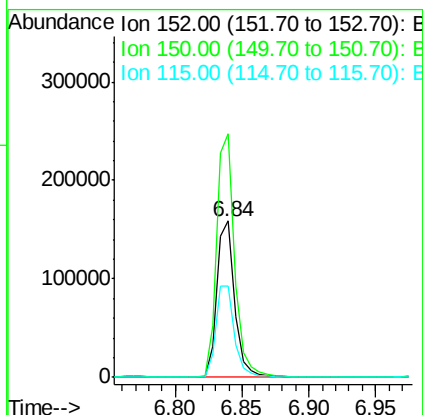
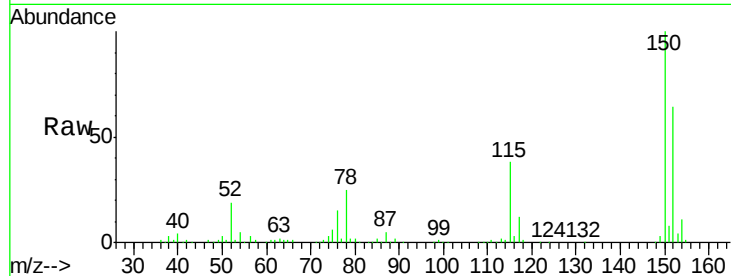


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116146.D
Acq: 10 Aug 2019 13:09

Instrument :
BNA_F
ClientSampleId :
WC-073119-SOIL

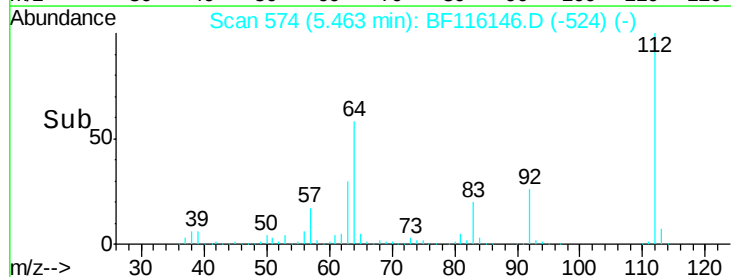
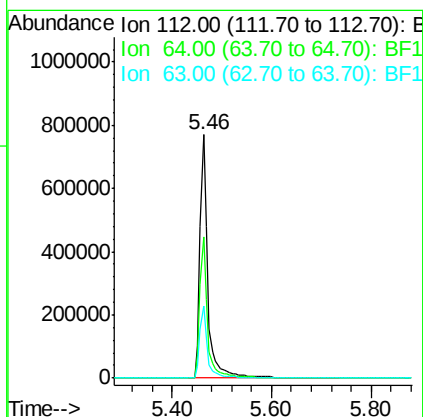
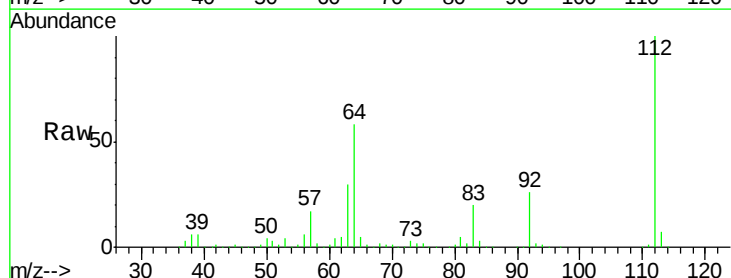
Tot Ion:152 Resp: 151710
Ion Ratio Lower Upper
152 100
150 155.9 126.2 189.2
115 58.6 49.9 74.9

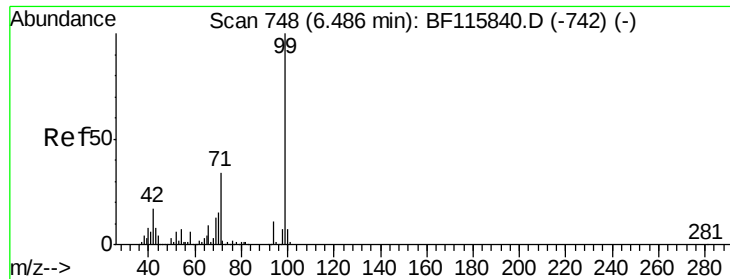


#5

2-Fluorophenol
Concen: 93.873 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF116146.D
Acq: 10 Aug 2019 13:09

Tgt Ion:112 Resp: 850710
Ion Ratio Lower Upper
112 100
64 57.8 45.4 68.2
63 29.6 23.7 35.5





#7

Phenol-d6

Concen: 97.824 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116146.D

Acq: 10 Aug 2019 13:09

Instrument :

BNA_F

ClientSampleId :

WC-073119-SOIL

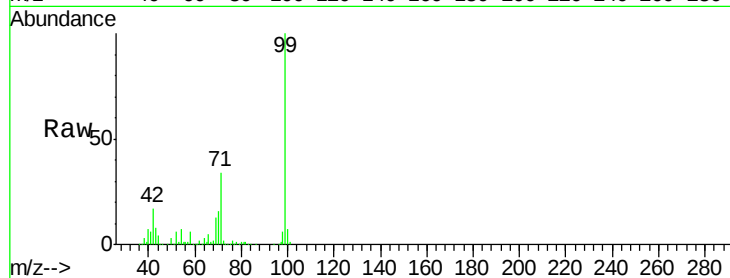
Tot Ion: 99 Resp: 1118506

Ion Ratio Lower Upper

99 100

42 17.2 13.8 20.8

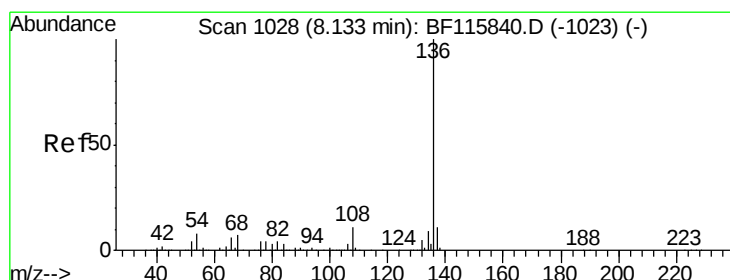
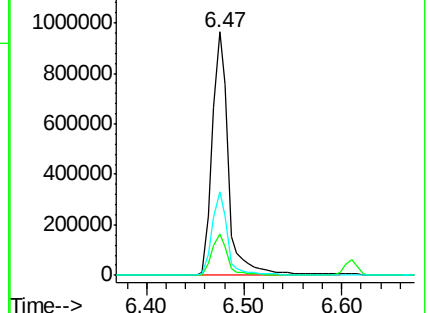
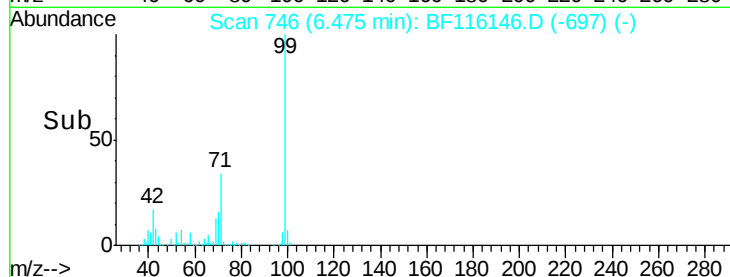
71 34.1 27.3 40.9



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: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116146.D

Acq: 10 Aug 2019 13:09

Tgt Ion: 136 Resp: 608008

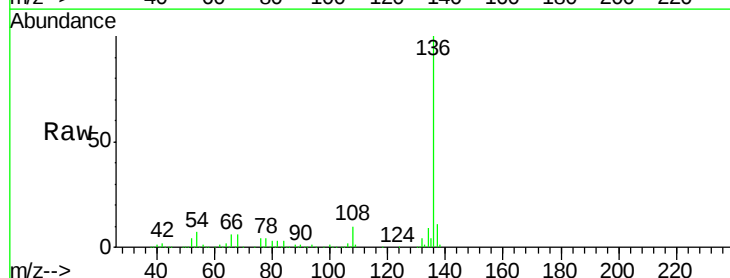
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.4 5.8 8.6

68 6.3 5.2 7.8

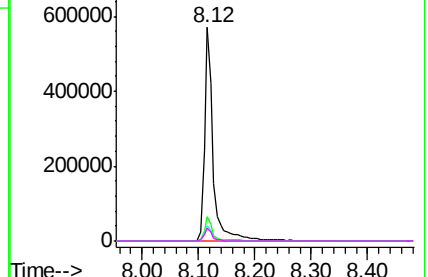
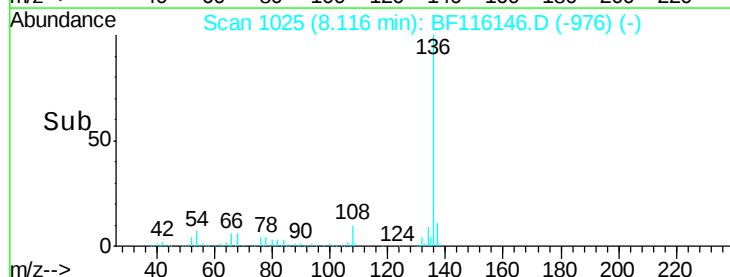


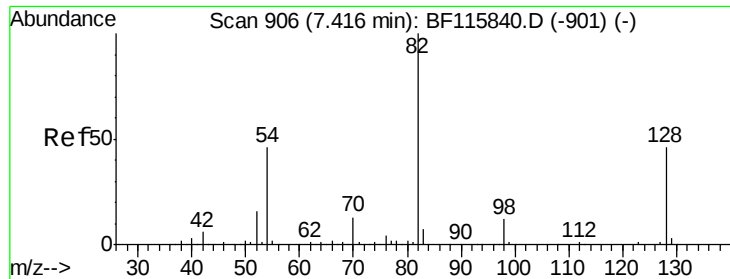
Abundance Ion 136.00 (135.70 to 136.70): E

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

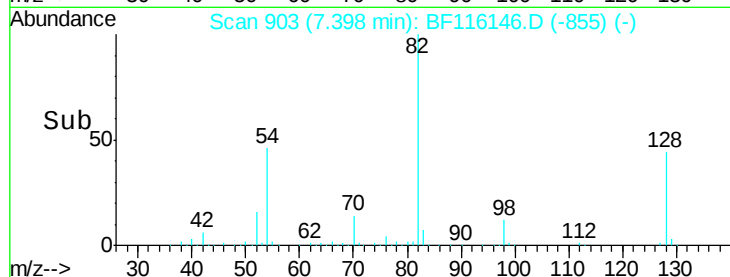
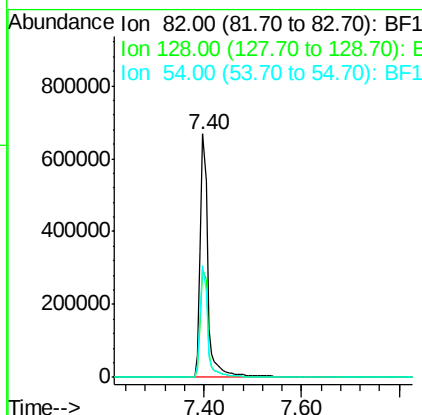
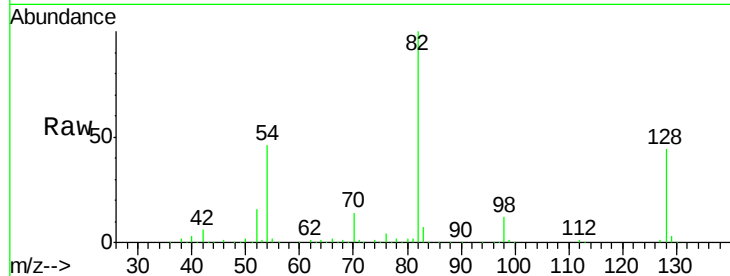




#23
Nitrobenzene-d5
Concen: 69.682 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF116146.D
Acq: 10 Aug 2019 13:09

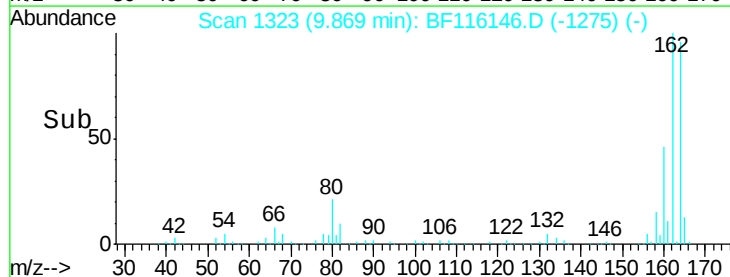
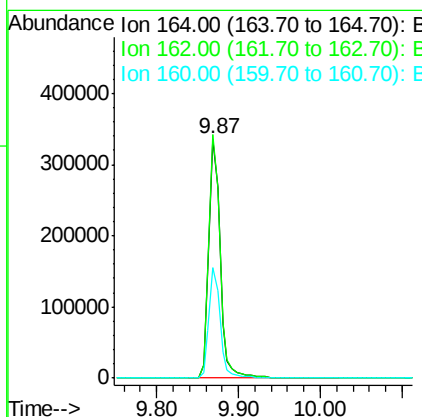
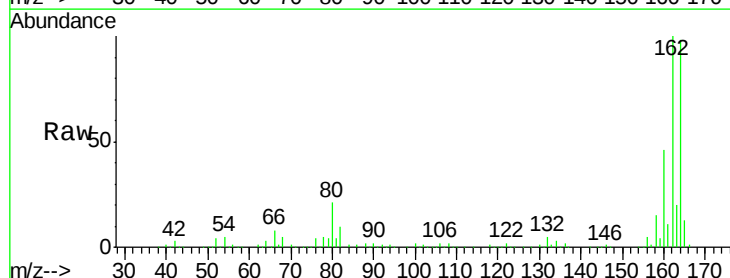
Instrument :
BNA_F
ClientSampleId :
WC-073119-SOIL

Tot Ion: 82 Resp: 733973
Ion Ratio Lower Upper
82 100
128 44.4 36.5 54.7
54 45.7 36.0 54.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF116146.D
Acq: 10 Aug 2019 13:09

Tgt Ion: 164 Resp: 326361
Ion Ratio Lower Upper
164 100
162 102.0 82.6 124.0
160 46.5 37.6 56.4

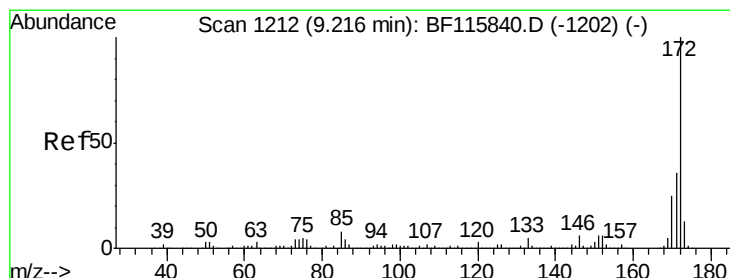
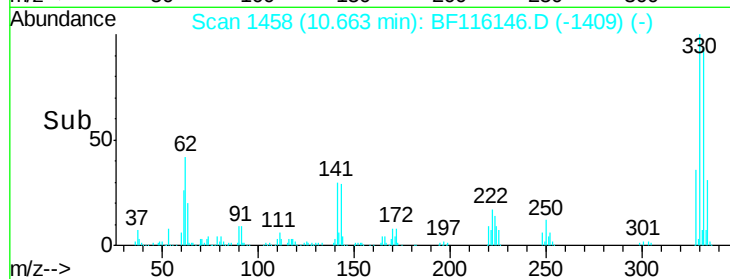
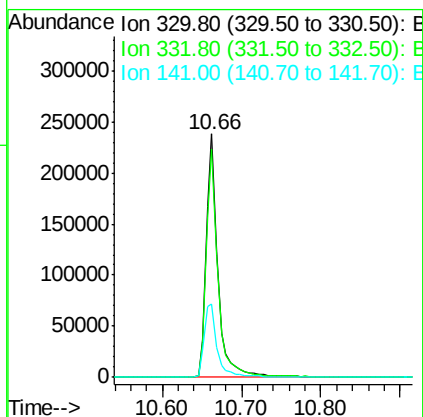
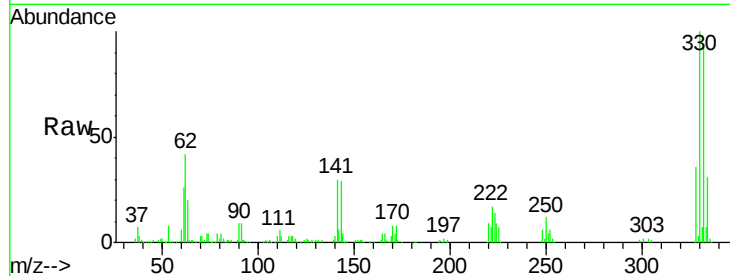




#42
 2,4,6-Tribromophenol
 Concen: 78.434 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116146.D
 Acq: 10 Aug 2019 13:09

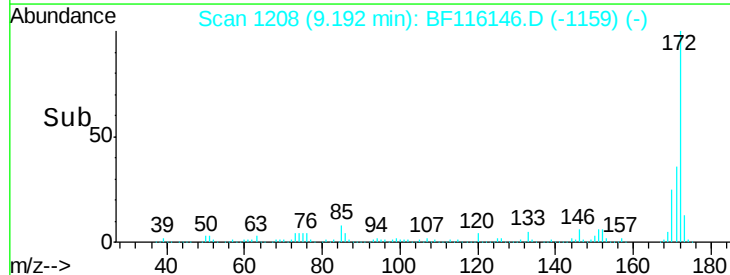
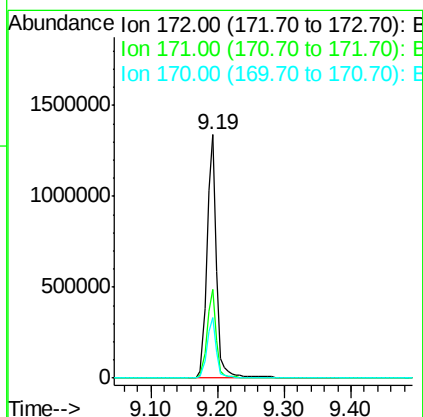
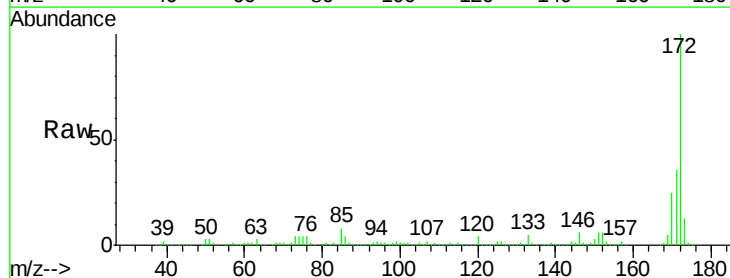
Instrument :
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 ClientSampleId :
 WC-073119-SOIL

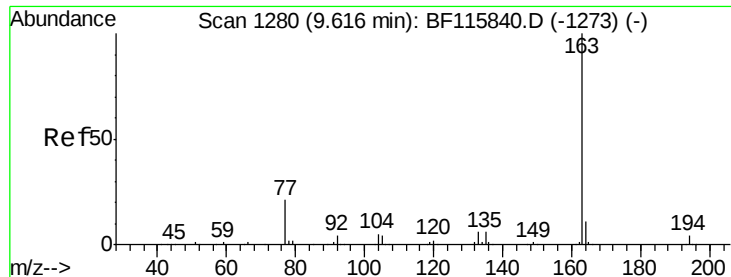
Tot Ion:330 Resp: 248179
 Ion Ratio Lower Upper
 330 100
 332 94.8 76.8 115.2
 141 34.7 26.3 39.5



#45
 2-Fluorobiphenyl
 Concen: 75.913 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF116146.D
 Acq: 10 Aug 2019 13:09

Tgt Ion:172 Resp: 1322689
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 25.1 20.1 30.1





#50

Dimethylphthalate

Concen: 3.523 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF116146.D

Acq: 10 Aug 2019 13:09

Instrument :

BNA_F

ClientSampleId :

WC-073119-SOIL

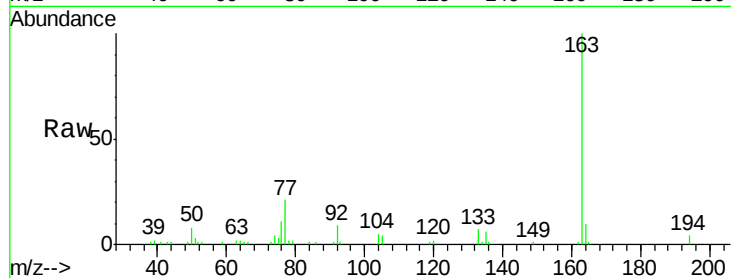
Tot Ion:163 Resp: 78285

Ion Ratio Lower Upper

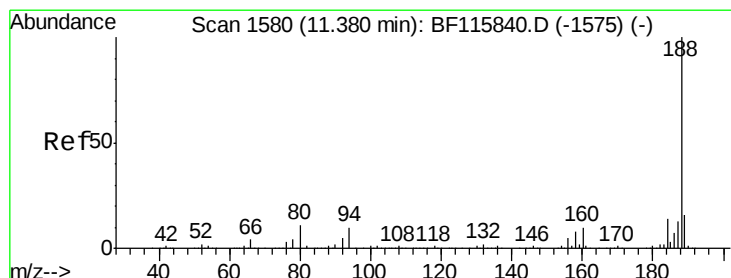
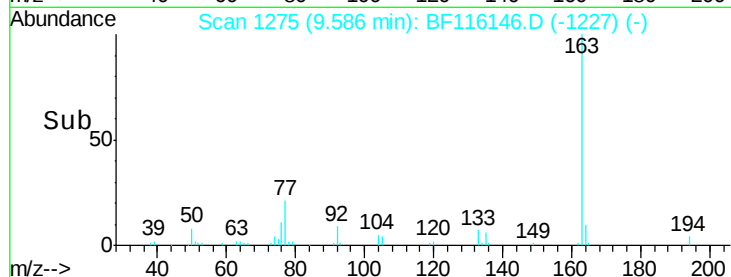
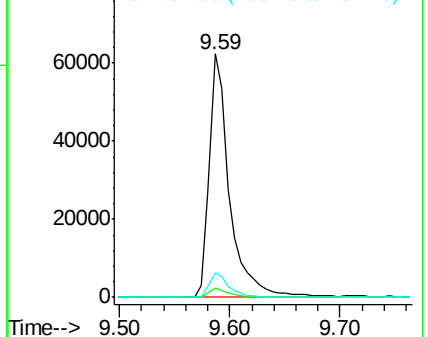
163 100

194 3.7 3.0 4.6

164 10.0 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF116146.D

Acq: 10 Aug 2019 13:09

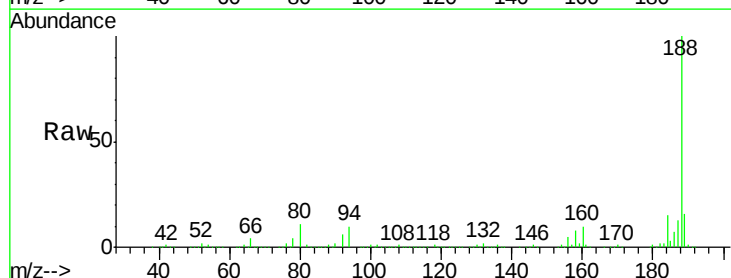
Tgt Ion:188 Resp: 543699

Ion Ratio Lower Upper

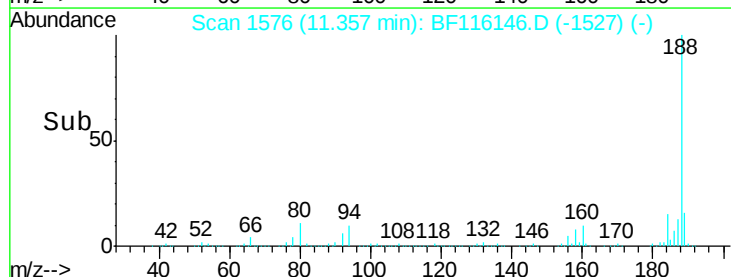
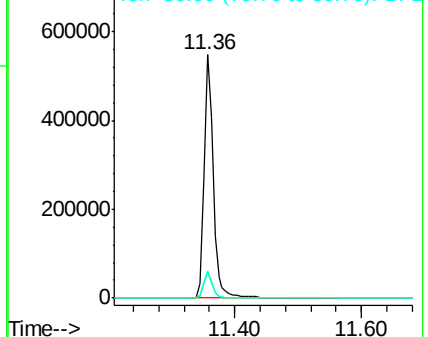
188 100

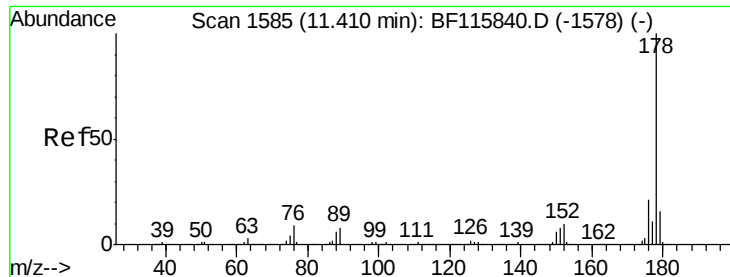
94 10.5 8.1 12.1

80 11.1 8.7 13.1



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

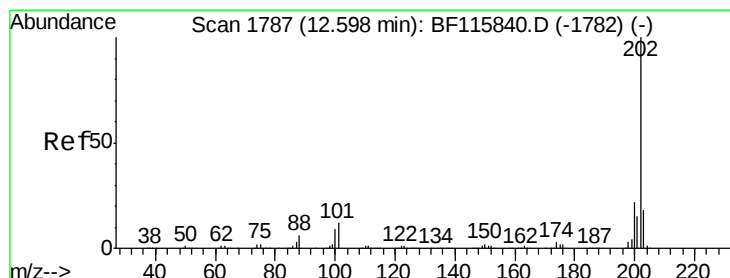
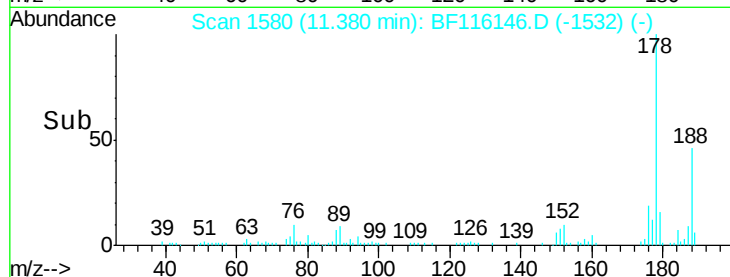
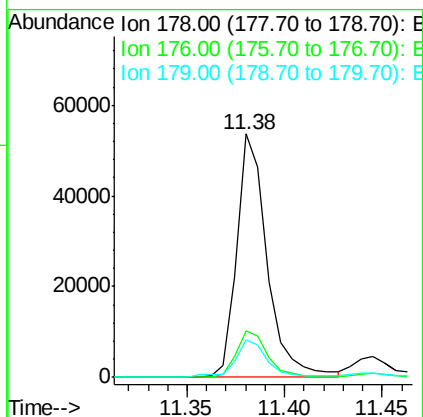
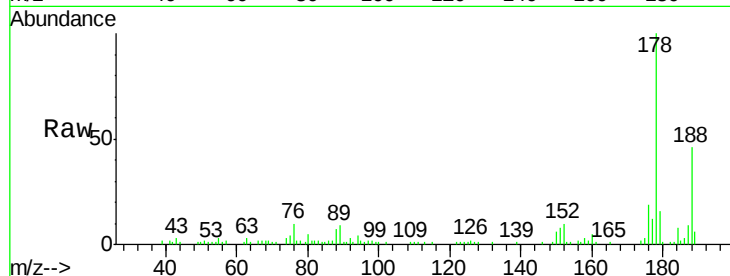




#71
 Phenanthrene
 Concen: 2.079 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.02 min
 Lab File: BF116146.D
 Acq: 10 Aug 2019 13:09

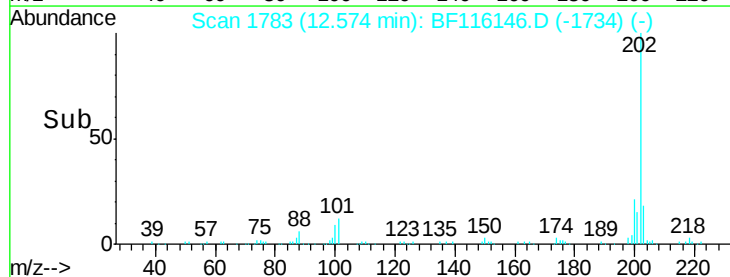
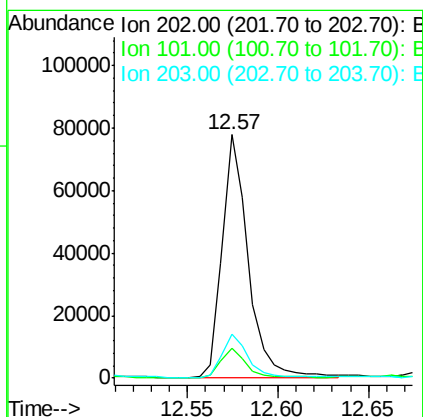
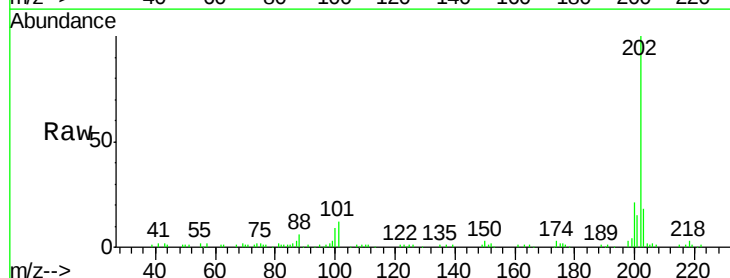
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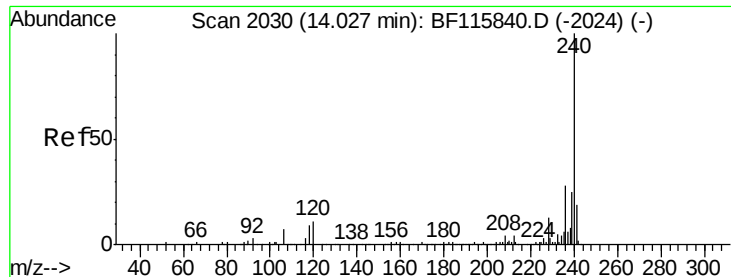
Tot Ion:178 Resp: 57784
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.6 24.8
 179 15.7 12.5 18.7



#75
 Fluoranthene
 Concen: 2.702 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: BF116146.D
 Acq: 10 Aug 2019 13:09

Tgt Ion:202 Resp: 78614
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 31.2
 203 18.2 0.0 37.8

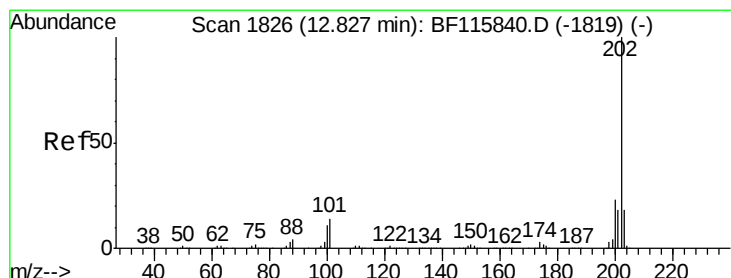
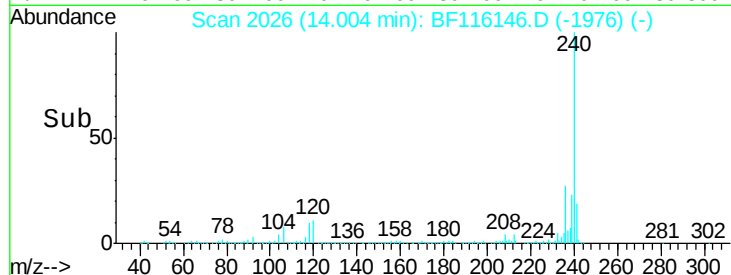
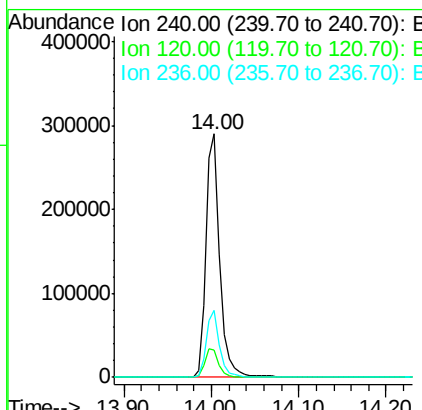
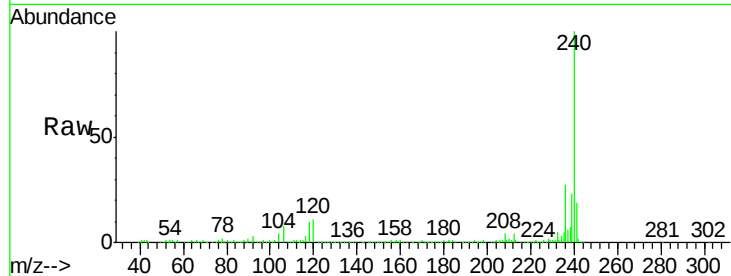




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116146.D
Acq: 10 Aug 2019 13:09

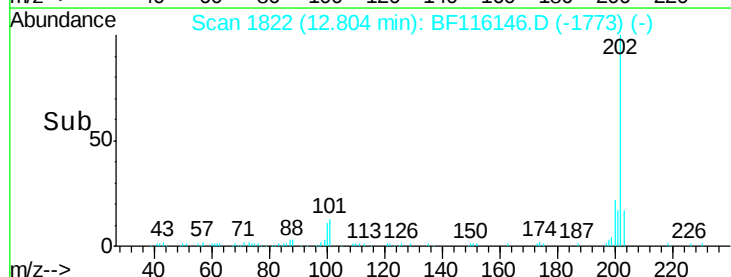
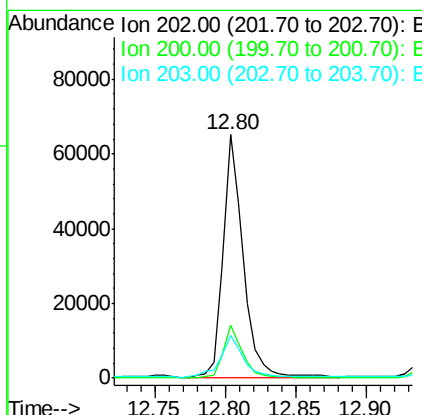
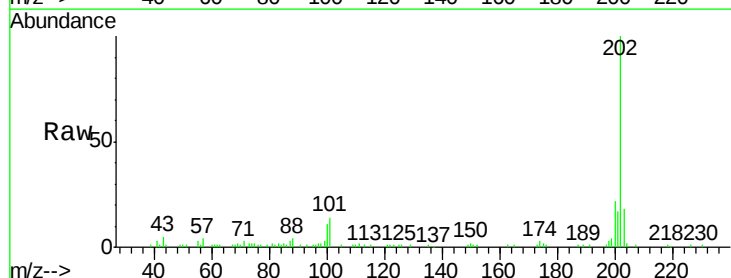
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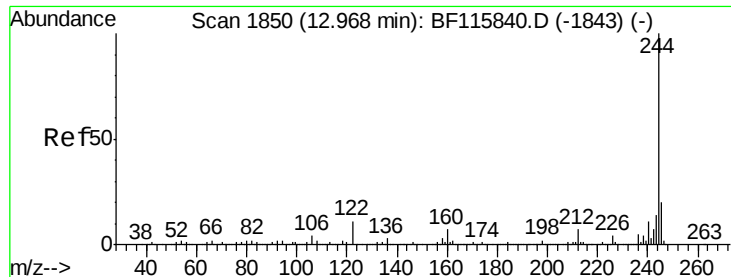
Tot Ion:240 Resp: 318134
Ion Ratio Lower Upper
240 100
120 11.0 10.7 16.1
236 27.3 22.2 33.2



#78
Pyrene
Concen: 2.738 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116146.D
Acq: 10 Aug 2019 13:09

Tgt Ion:202 Resp: 65671
Ion Ratio Lower Upper
202 100
200 22.0 18.0 27.0
203 17.7 14.1 21.1





#79

Terphenyl-d14

Concen: 85.615 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF116146.D

Acq: 10 Aug 2019 13:09

Instrument :

BNA_F

ClientSampleId :

WC-073119-SOIL

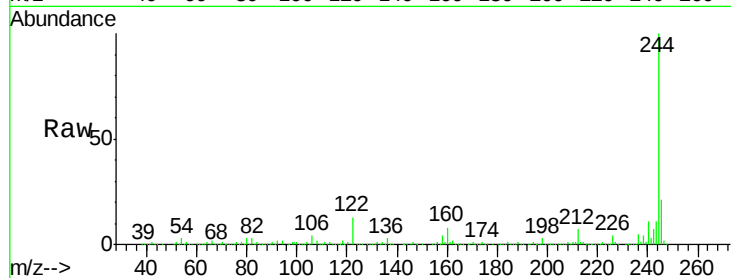
Tot Ion:244 Resp: 1292599

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

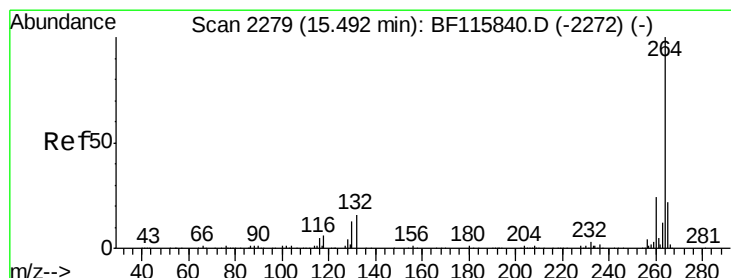
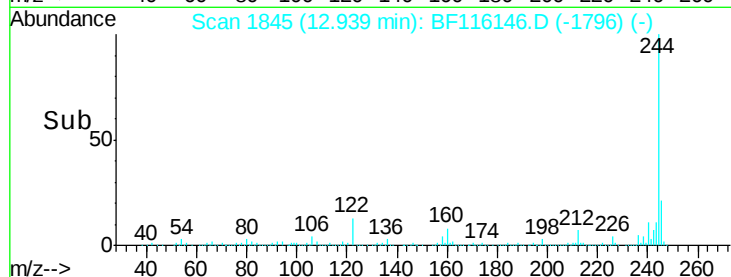
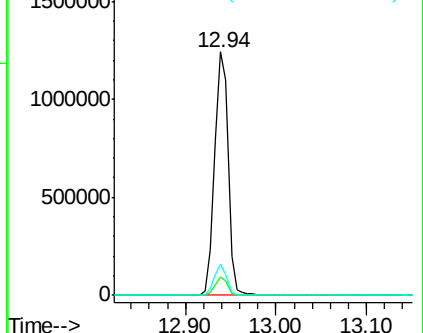
122 12.6 9.0 13.4



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: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF116146.D

Acq: 10 Aug 2019 13:09

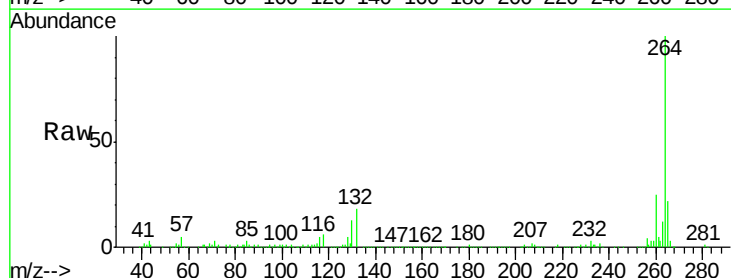
Tgt Ion:264 Resp: 336028

Ion Ratio Lower Upper

264 100

260 24.8 19.7 29.5

265 22.0 17.4 26.0



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

