

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
 Data File : BF116167.D
 Acq On : 11 Aug 2019 1:21
 Operator : HP/JU
 Sample : K4284-03
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-2

Quant Time: Aug 12 03:53:31 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

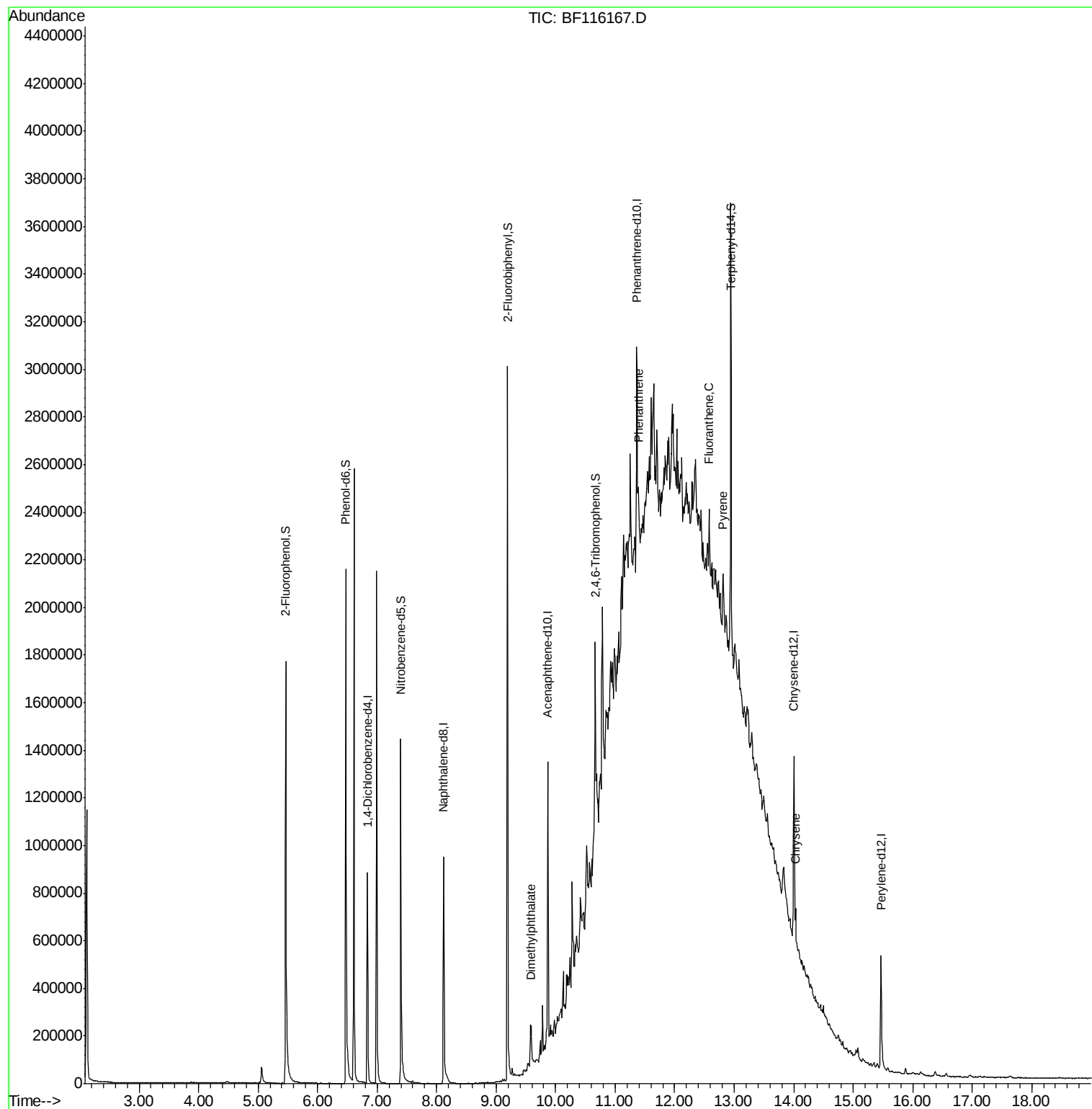
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	142322	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	544622	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	264694	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	328559	20.00	ng	0.00
76) Chrysene-d12	14.00	240	269630	20.00	ng	0.00
87) Perylene-d12	15.47	264	263943	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	610396	71.80	ng	0.00
7) Phenol-d6	6.47	99	863012	80.46	ng	-0.01
23) Nitrobenzene-d5	7.40	82	562519	59.62	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	121640	47.40	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1008105	71.34	ng	-0.01
79) Terphenyl-d14	12.94	244	734799	57.42	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.59	163	60535	3.359	ng	# 99
71) Phenanthrene	11.39	178	78004	4.644	ng	# 89
75) Fluoranthene	12.58	202	83486	4.748	ng	# 89
78) Pyrene	12.81	202	69337	3.411	ng	# 93
83) Chrysene	14.03	228	55221	3.300	ng	# 99

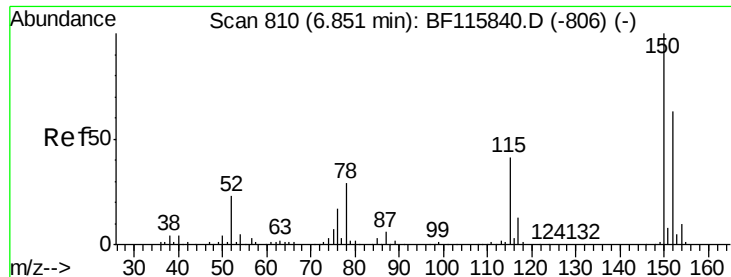
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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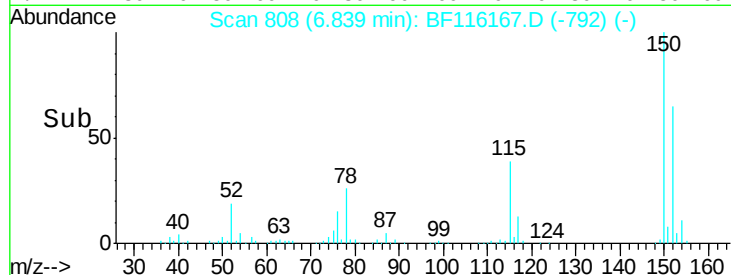
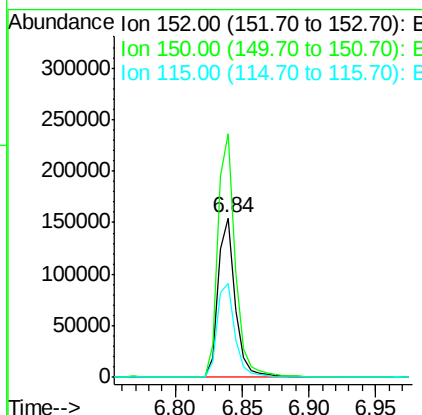
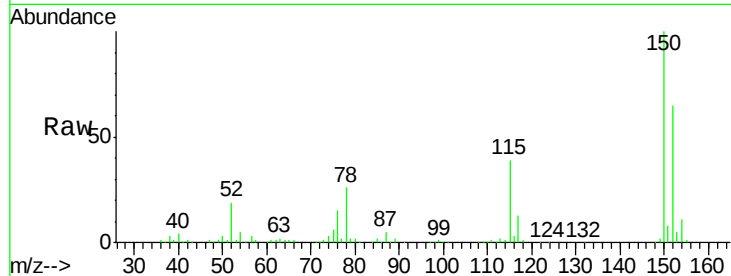


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116167.D
Acq: 11 Aug 2019 1:21

Instrument :
BNA_F
ClientSampleId :
CONCRETE-2

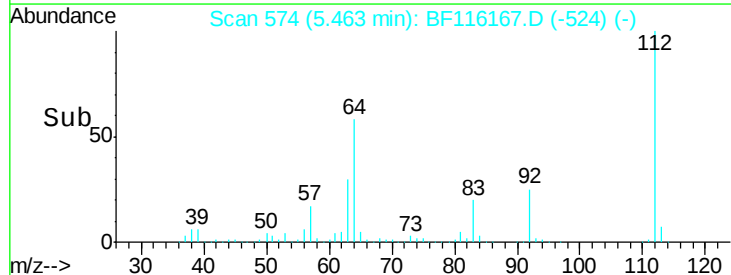
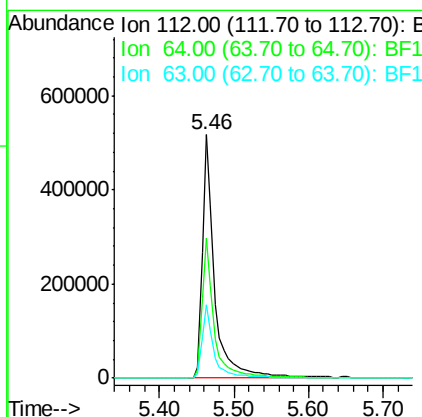
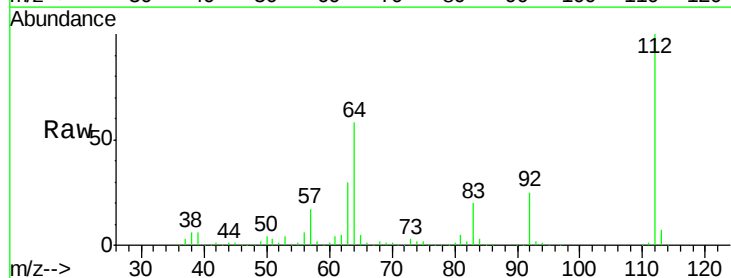
Tot Ion:152 Resp: 142322
Ion Ratio Lower Upper
152 100
150 153.0 126.2 189.2
115 58.9 49.9 74.9



#5

2-Fluorophenol
Concen: 71.798 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF116167.D
Acq: 11 Aug 2019 1:21

Tgt Ion:112 Resp: 610396
Ion Ratio Lower Upper
112 100
64 57.6 45.4 68.2
63 30.2 23.7 35.5





#7

Phenol-d6

Concen: 80.458 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116167.D

Acq: 11 Aug 2019 1:21

Instrument :

BNA_F

ClientSampleId :

CONCRETE-2

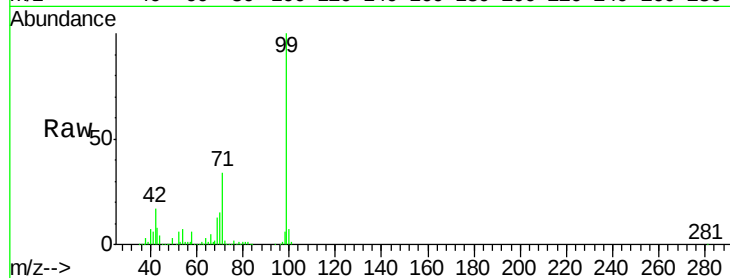
Tot Ion: 99 Resp: 863012

Ion Ratio Lower Upper

99 100

42 16.7 13.8 20.8

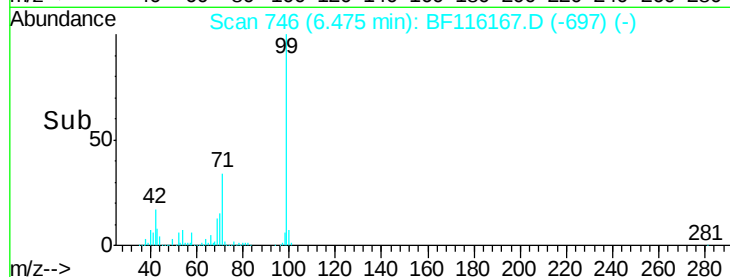
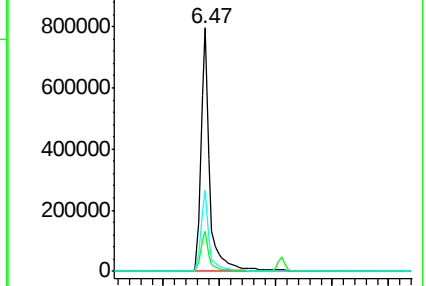
71 33.5 27.3 40.9



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: BF116167.D

Acq: 11 Aug 2019 1:21

Tgt Ion: 136 Resp: 544622

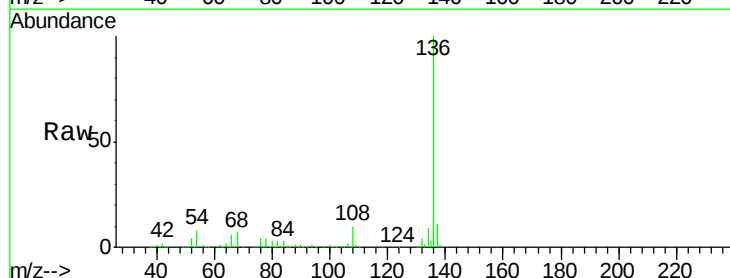
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.6 5.8 8.6

68 6.8 5.2 7.8

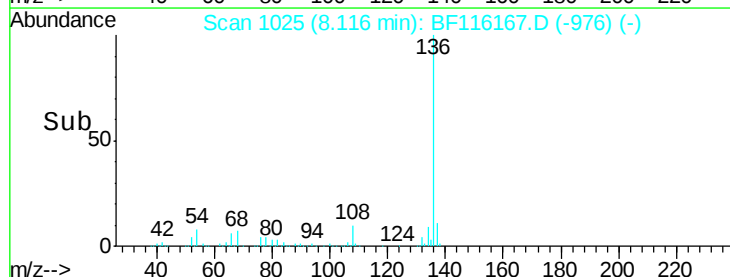
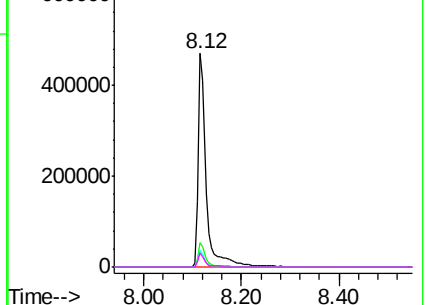


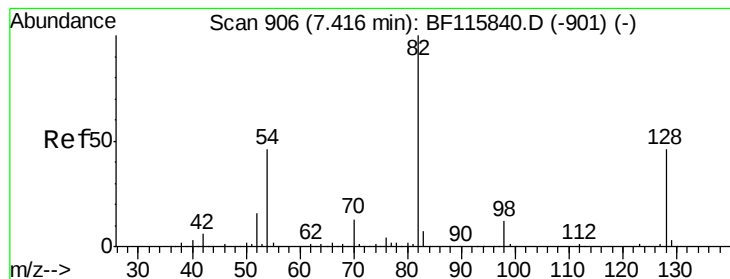
Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.620 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116167.D

Acq: 11 Aug 2019 1:21

Instrument :

BNA_F

ClientSampleId :

CONCRETE-2

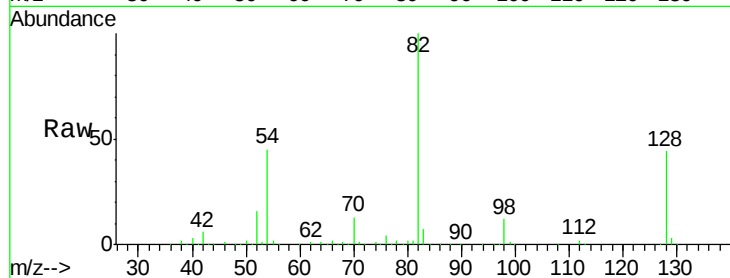
Tot Ion: 82 Resp: 562519

Ion Ratio Lower Upper

82 100

128 43.9 36.5 54.7

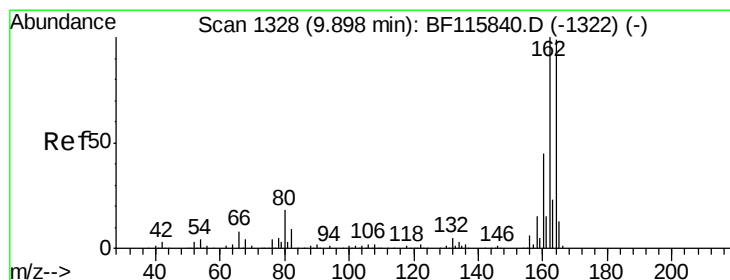
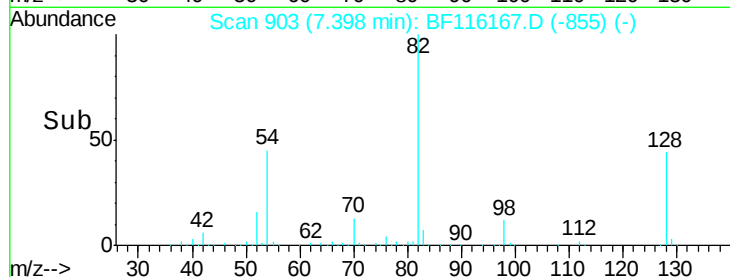
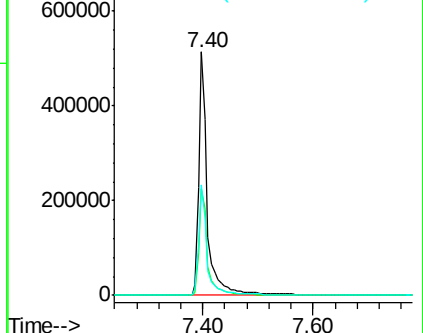
54 45.4 36.0 54.0



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116167.D

Acq: 11 Aug 2019 1:21

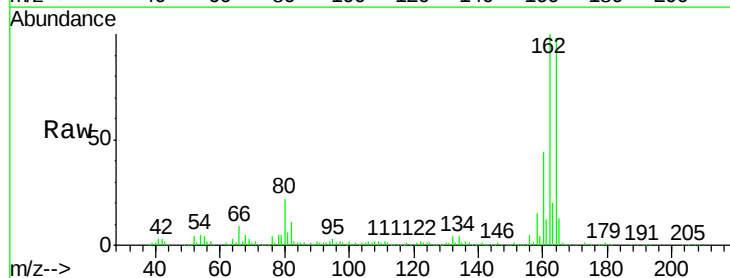
Tgt Ion:164 Resp: 264694

Ion Ratio Lower Upper

164 100

162 101.6 82.6 124.0

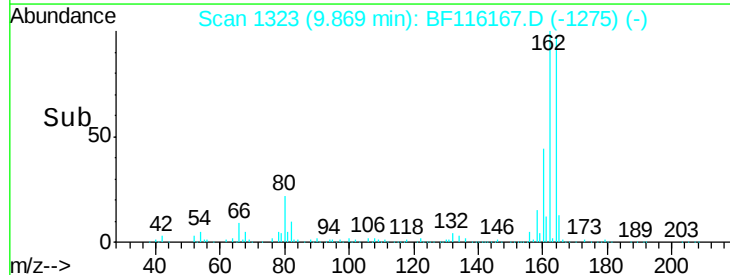
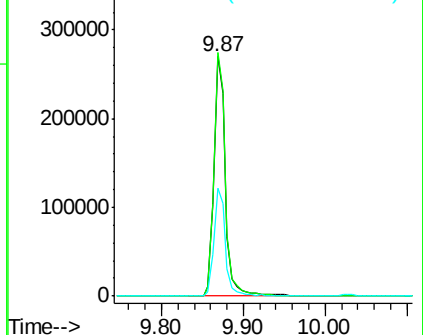
160 45.0 37.6 56.4



Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 47.399 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116167.D

Acq: 11 Aug 2019 1:21

Instrument :

BNA_F

ClientSampleId :

CONCRETE-2

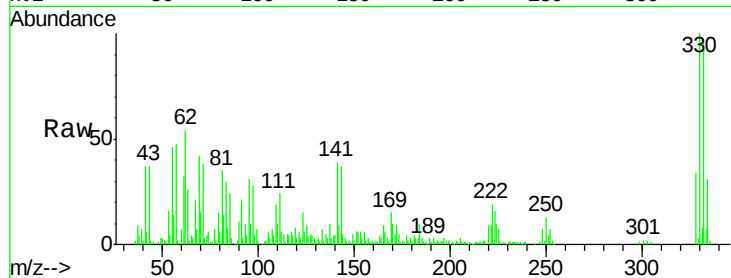
Tot Ion:330 Resp: 121640

Ion Ratio Lower Upper

330 100

332 96.7 76.8 115.2

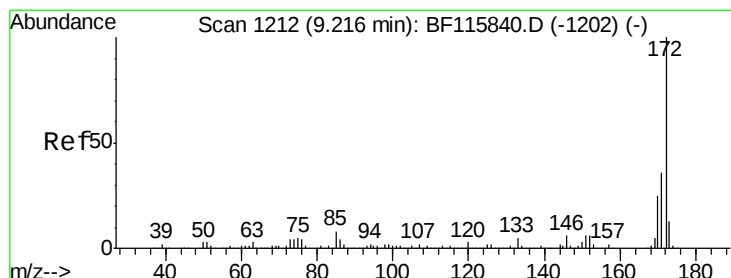
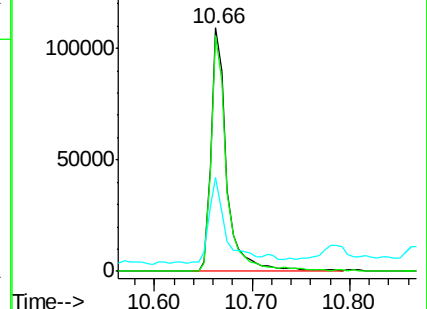
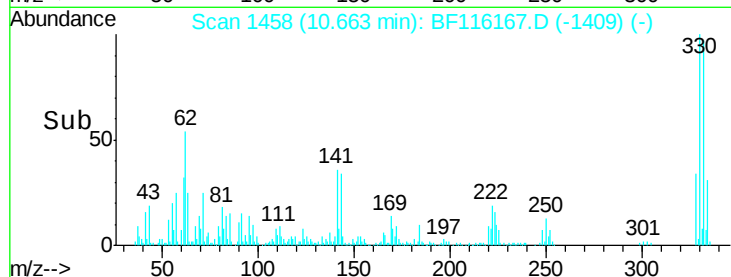
141 36.5 26.3 39.5



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: 71.337 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF116167.D

Acq: 11 Aug 2019 1:21

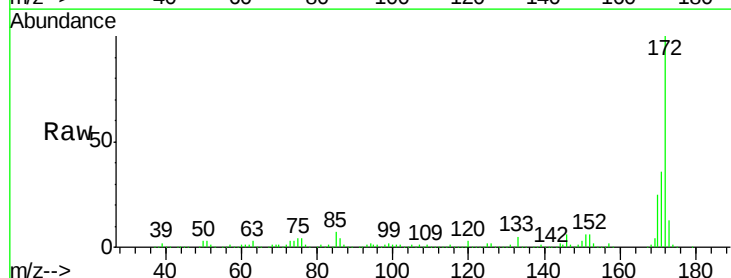
Tgt Ion:172 Resp: 1008105

Ion Ratio Lower Upper

172 100

171 36.1 29.6 44.4

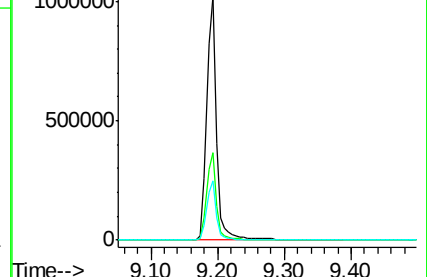
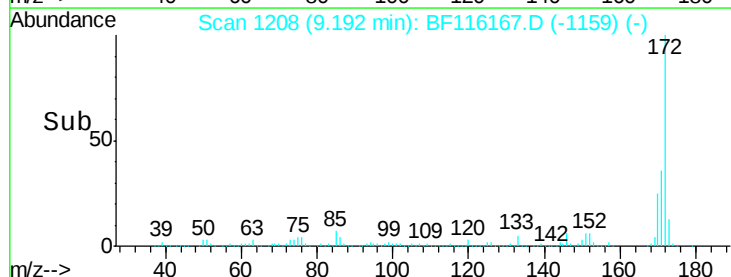
170 24.6 20.1 30.1

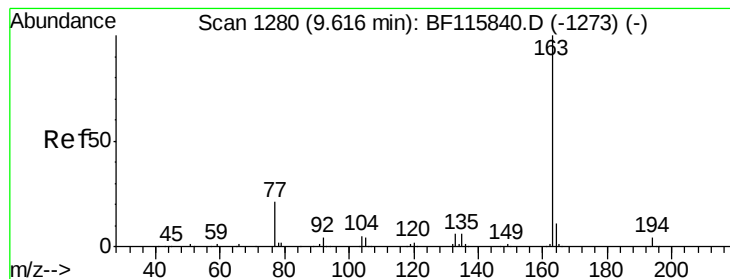


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.359 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF116167.D

Acq: 11 Aug 2019 1:21

Instrument :

BNA_F

ClientSampleId :

CONCRETE-2

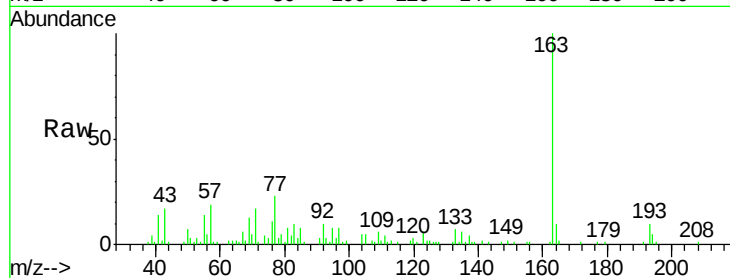
Tot Ion:163 Resp: 60535

Ion Ratio Lower Upper

163 100

194 5.1 3.0 4.6#

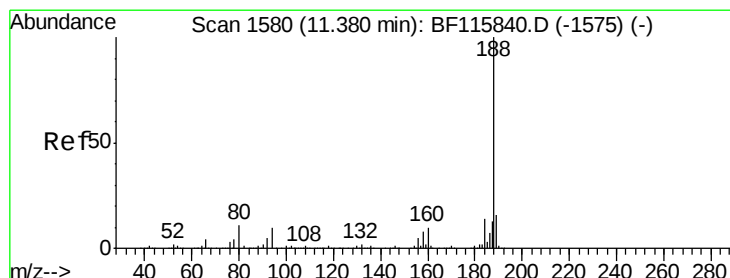
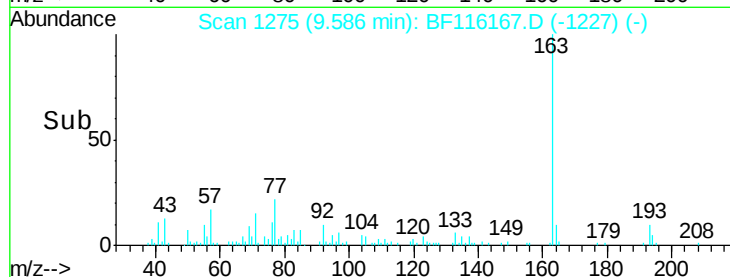
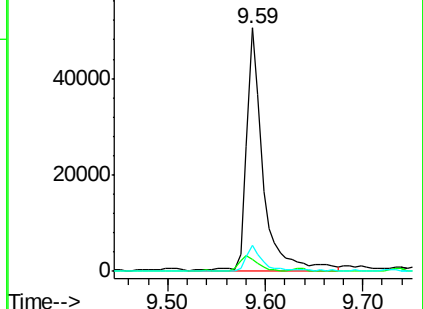
164 10.4 8.4 12.6



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# 1577

Delta R.T. -0.01 min

Lab File: BF116167.D

Acq: 11 Aug 2019 1:21

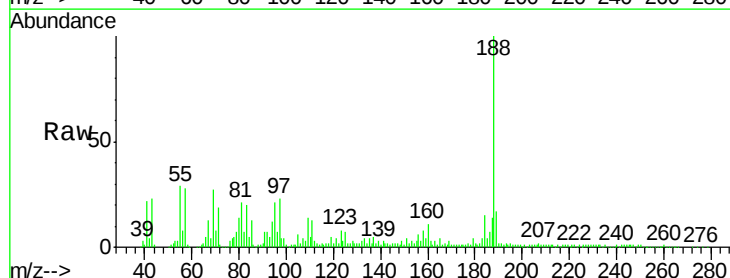
Tgt Ion:188 Resp: 328559

Ion Ratio Lower Upper

188 100

94 12.2 8.1 12.1#

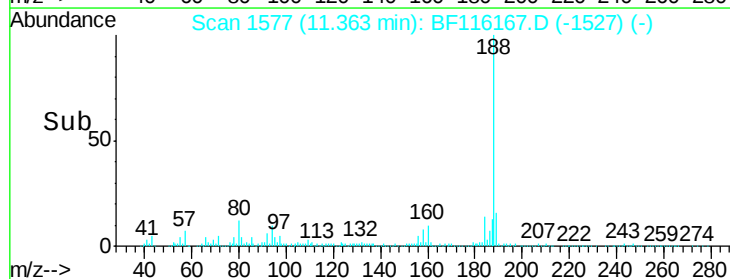
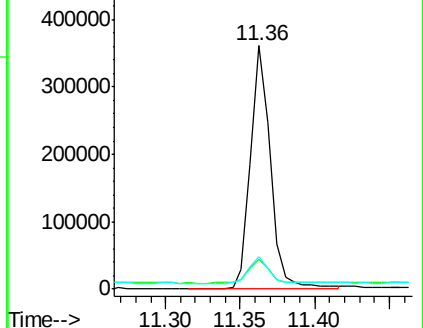
80 13.5 8.7 13.1#

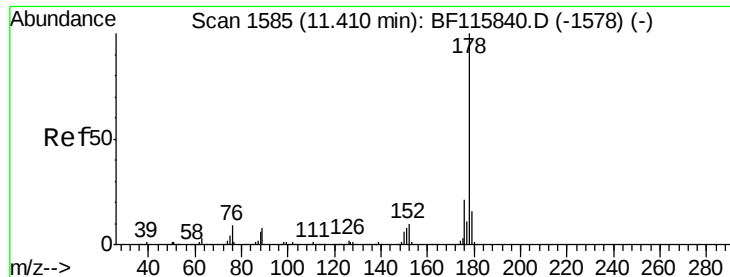


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 4.644 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF116167.D

Acq: 11 Aug 2019 1:21

Instrument :

BNA_F

ClientSampleId :

CONCRETE-2

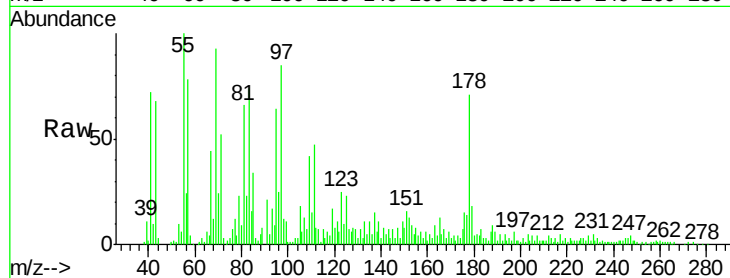
Tot Ion:178 Resp: 78004

Ion Ratio Lower Upper

178 100

176 21.0 16.6 24.8

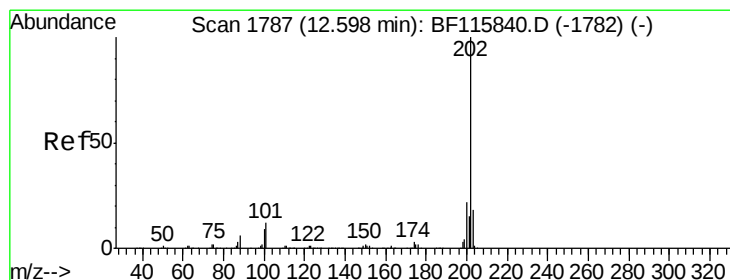
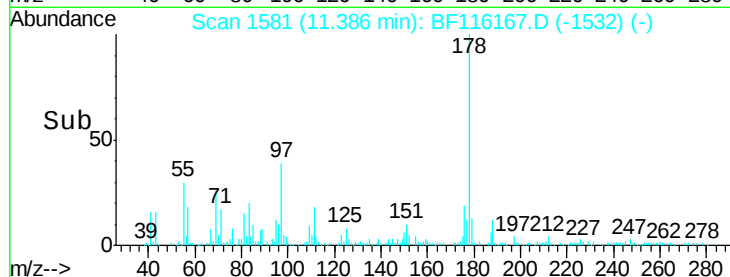
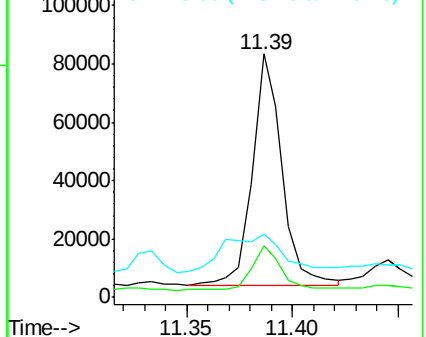
179 25.9 12.5 18.7#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 4.748 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF116167.D

Acq: 11 Aug 2019 1:21

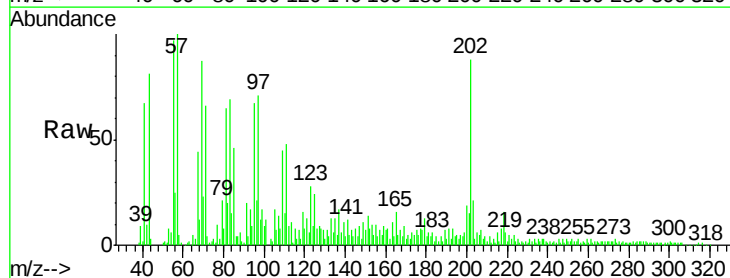
Tgt Ion:202 Resp: 83486

Ion Ratio Lower Upper

202 100

101 13.5 0.0 31.2

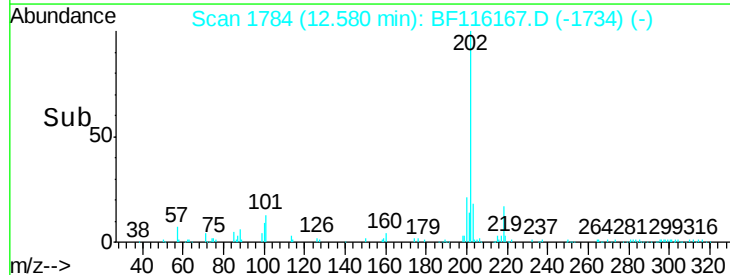
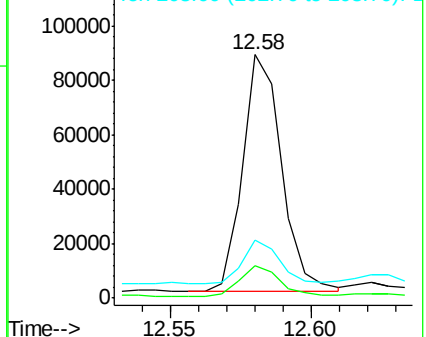
203 23.9 0.0 37.8

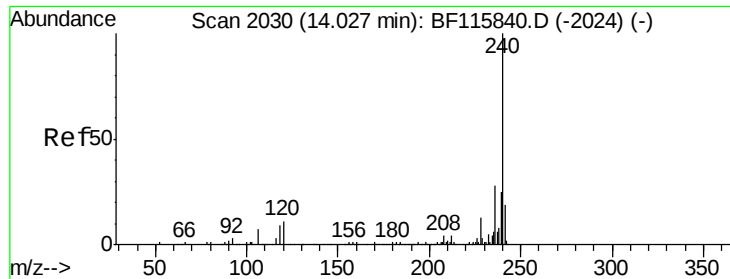


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

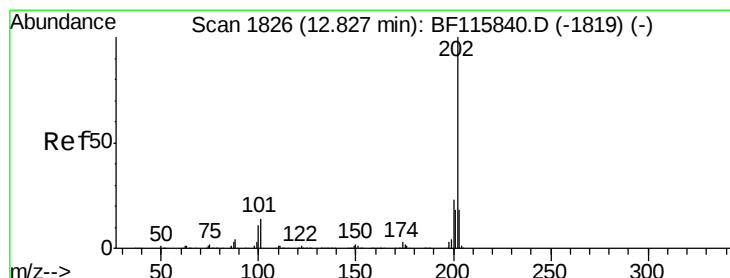
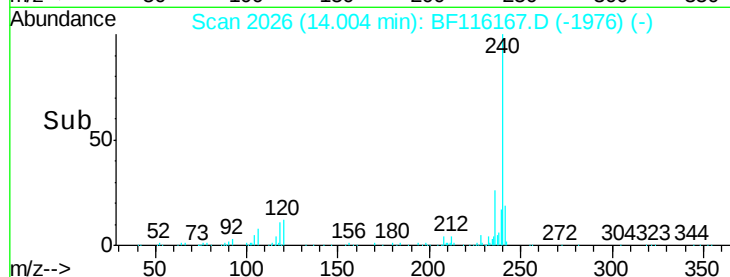
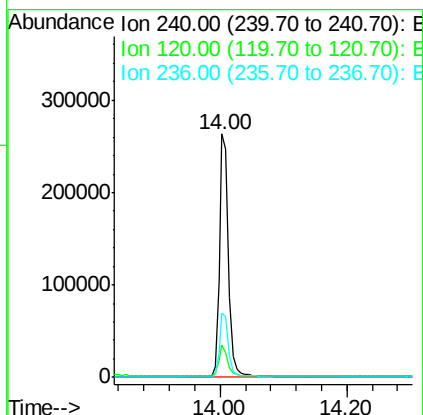
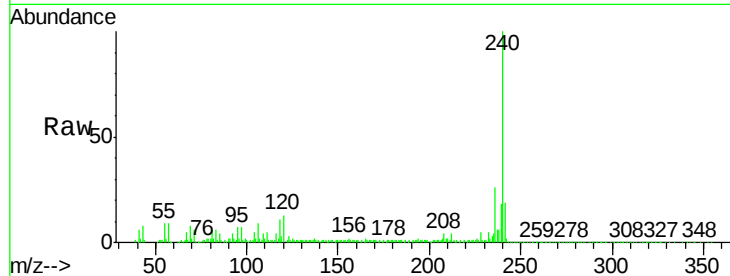




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116167.D
Acq: 11 Aug 2019 1:21

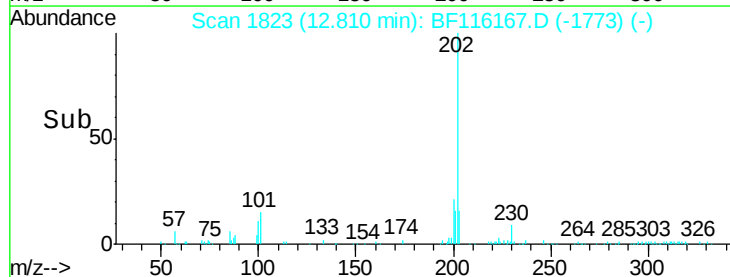
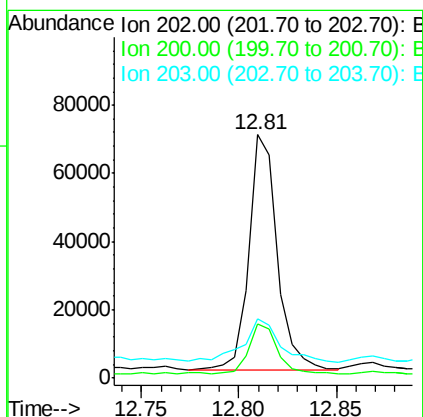
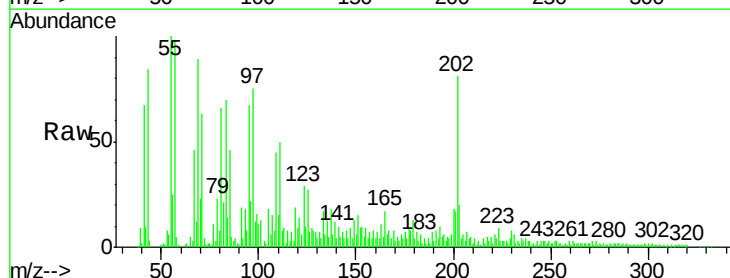
Instrument :
BNA_F
ClientSampleId :
CONCRETE-2

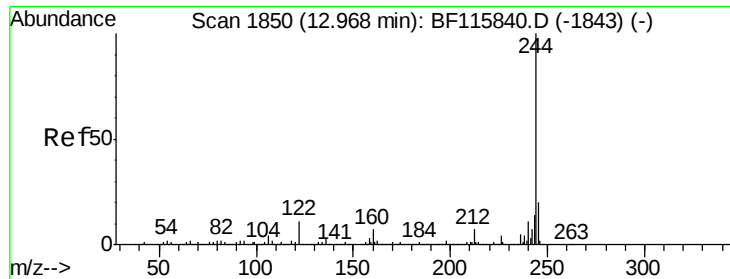
Tot Ion:240 Resp: 269630
Ion Ratio Lower Upper
240 100
120 13.5 10.7 16.1
236 26.4 22.2 33.2



#78
Pyrene
Concen: 3.411 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF116167.D
Acq: 11 Aug 2019 1:21

Tgt Ion:202 Resp: 69337
Ion Ratio Lower Upper
202 100
200 22.1 18.0 27.0
203 24.5 14.1 21.1#





#79

Terphenyl-d14

Concen: 57.425 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116167.D

Acq: 11 Aug 2019 1:21

Instrument :

BNA_F

ClientSampleId :

CONCRETE-2

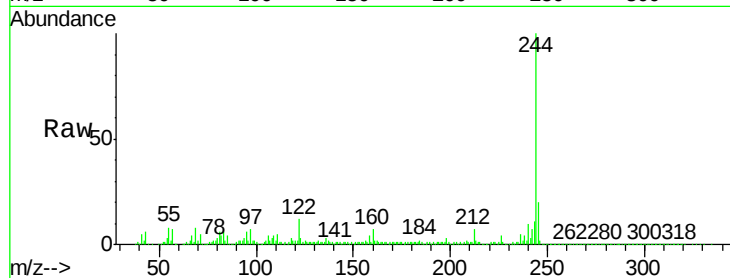
Tot Ion:244 Resp: 734799

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

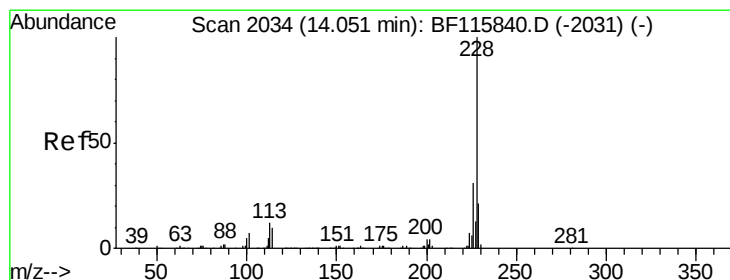
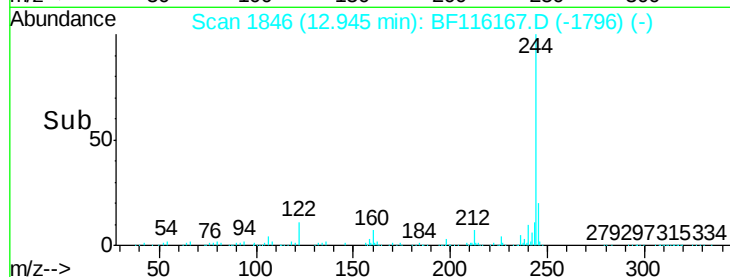
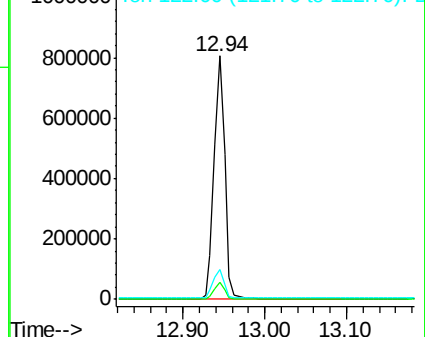
122 12.1 9.0 13.4



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



#83

Chrysene

Concen: 3.300 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF116167.D

Acq: 11 Aug 2019 1:21

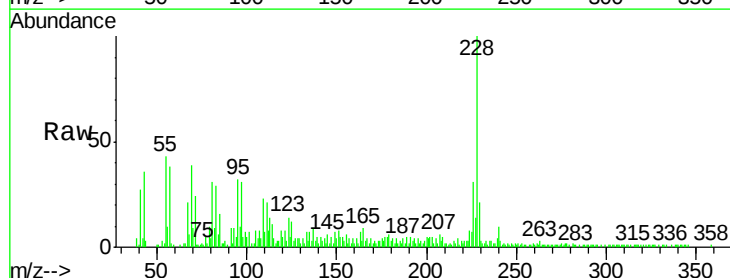
Tgt Ion:228 Resp: 55221

Ion Ratio Lower Upper

228 100

226 31.3 25.5 38.3

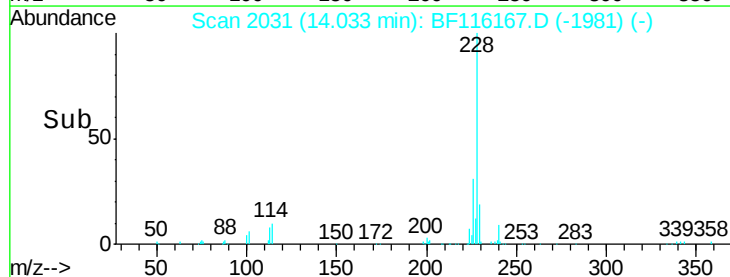
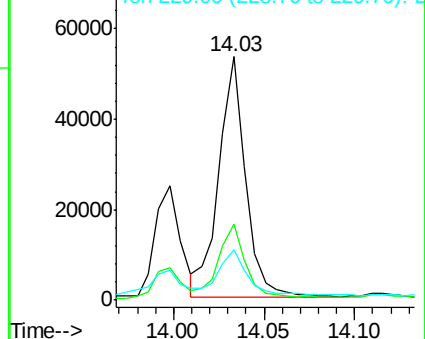
229 20.8 16.6 24.8

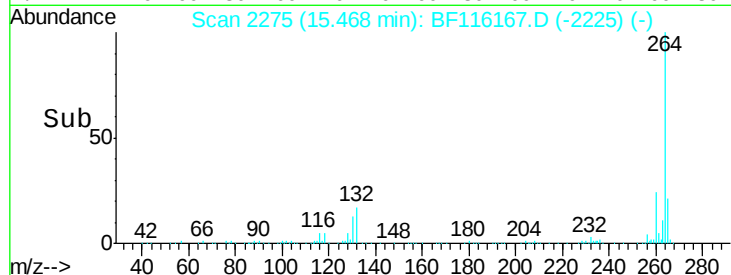
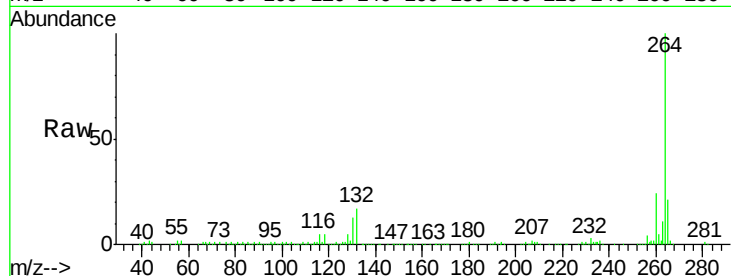
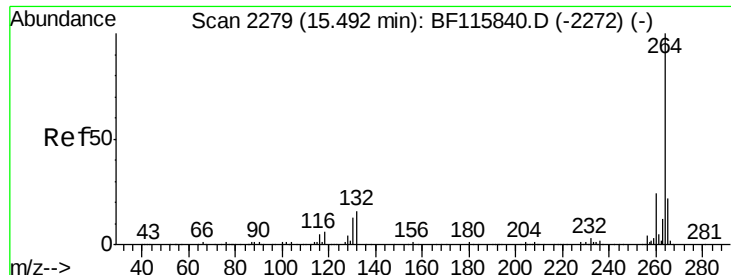


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BF116167.D
 Acq: 11 Aug 2019 1:21

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-2

Tot Ion:	264	Resp:	263943
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.7	29.5
265	21.5	17.4	26.0

