

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081619\
 Data File : BF116343.D
 Acq On : 17 Aug 2019 3:02
 Operator : HP/JU
 Sample : K4391-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-1

Quant Time: Aug 19 08:37:41 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	6.82	152	140113	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	535972	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	274335	20.00	ng	-0.04
64) Phenanthrene-d10	11.33	188	432587	20.00	ng	-0.04
76) Chrysene-d12	13.97	240	281602	20.00	ng	-0.04
87) Perylene-d12	15.43	264	316485	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	767678	91.72	ng	-0.02
7) Phenol-d6	6.46	99	994745	94.20	ng	-0.02
23) Nitrobenzene-d5	7.38	82	600664	64.69	ng	-0.04
42) 2,4,6-Tribromophenol	10.64	330	220419	82.87	ng	-0.04
45) 2-Fluorobiphenyl	9.17	172	971106	66.30	ng	-0.04
79) Terphenyl-d14	12.92	244	821313	61.46	ng	-0.04

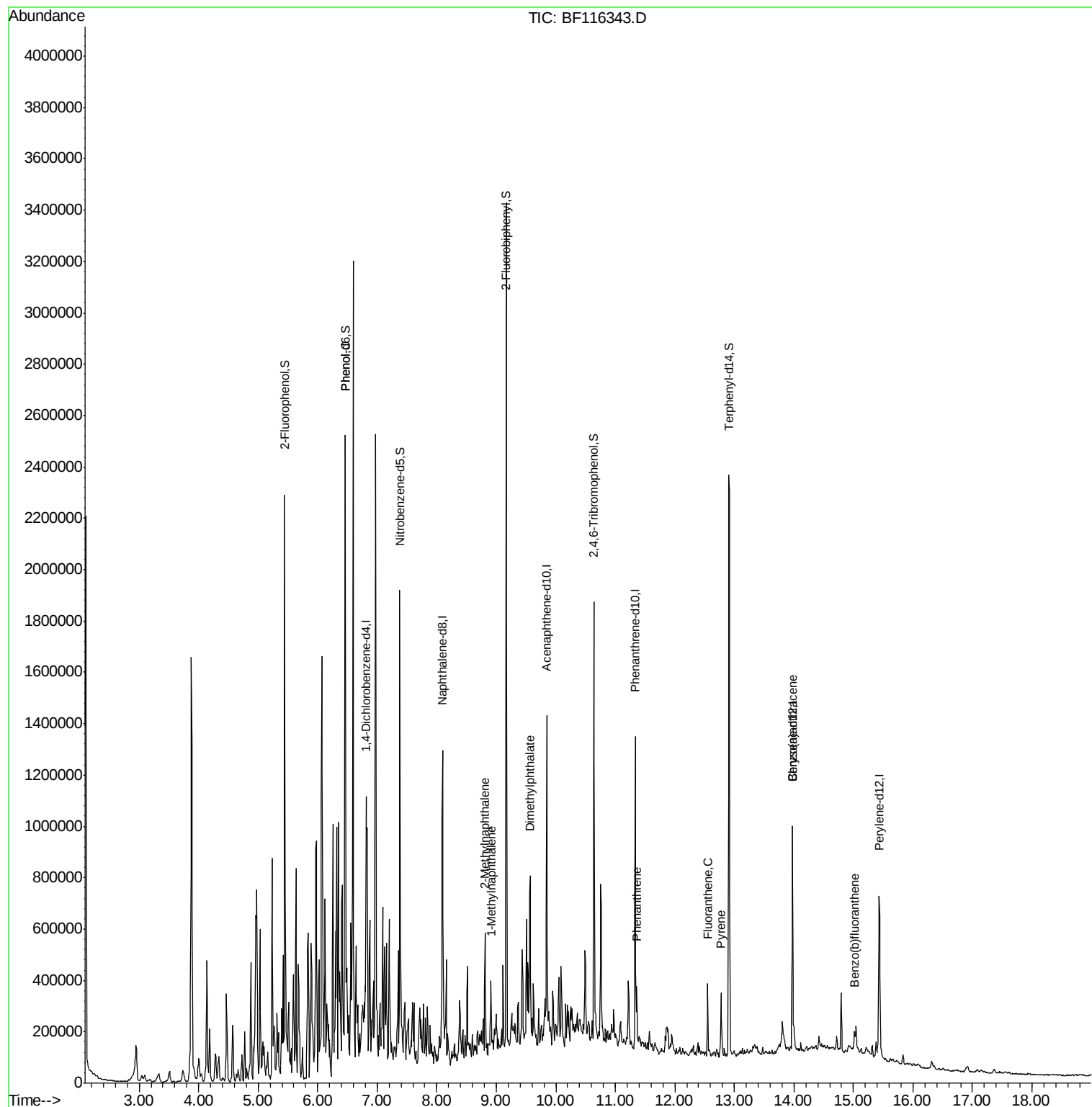
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.47	94	53997	4.342	ng	94
37) 2-Methylnaphthalene	8.81	142	134117	8.074	ng	98
38) 1-Methylnaphthalene	8.91	142	77554	4.935	ng	99
50) Dimethylphthalate	9.56	163	101713	5.445	ng	99
71) Phenanthrene	11.36	178	92407	4.179	ng	98
75) Fluoranthene	12.55	202	103746	4.481	ng	99
78) Pyrene	12.78	202	94445	4.449	ng	99
81) Benzo(a)anthracene	13.97	228	36817	2.046	ng	98
88) Benzo(b)fluoranthene	15.02	252	38236m	2.089	ng	

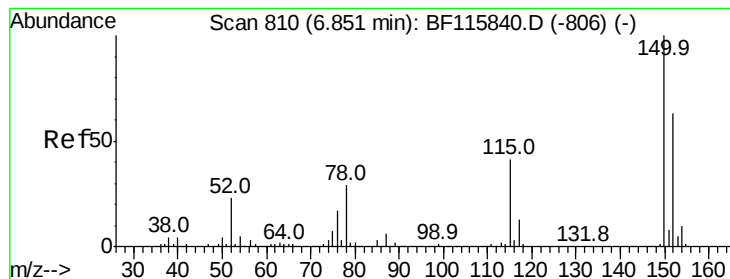
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.82 min Scan# 804

Delta R.T. -0.03 min

Lab File: BF116343.D

Acq: 17 Aug 2019 3:02

Instrument :

BNA_F

ClientSampleId :

BOTTOM-1

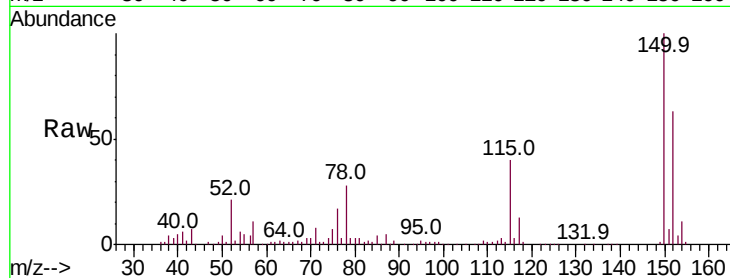
Tot Ion:152 Resp: 140113

Ion Ratio Lower Upper

152 100

150 157.7 126.2 189.2

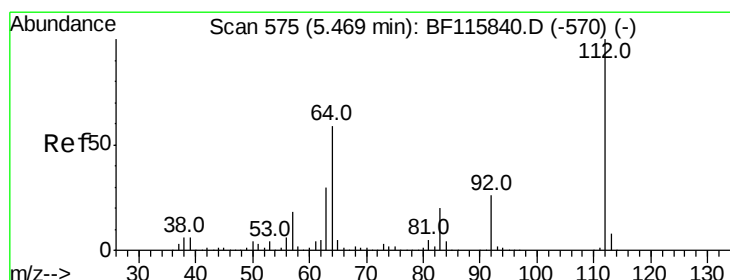
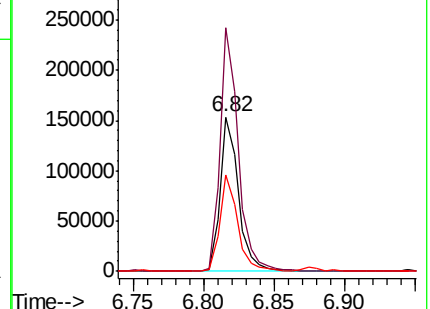
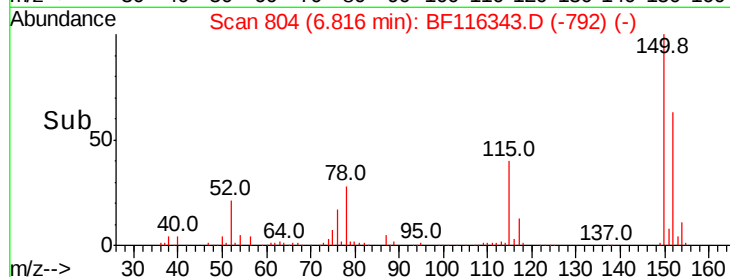
115 62.4 49.9 74.9



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: 91.722 ng

RT: 5.45 min Scan# 571

Delta R.T. -0.02 min

Lab File: BF116343.D

Acq: 17 Aug 2019 3:02

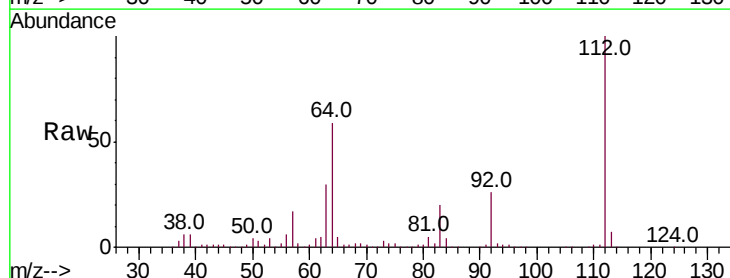
Tgt Ion:112 Resp: 767678

Ion Ratio Lower Upper

112 100

64 58.8 45.4 68.2

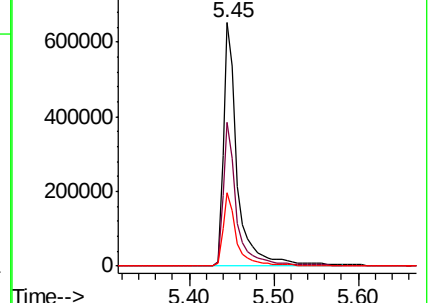
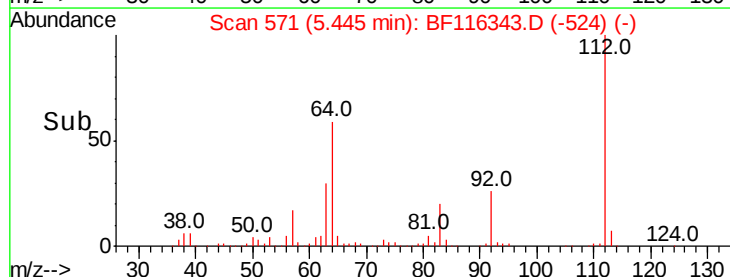
63 30.2 23.7 35.5

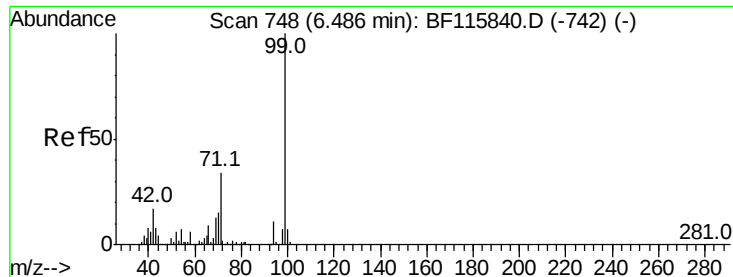


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 94.201 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF116343.D

Acq: 17 Aug 2019 3:02

Instrument :

BNA_F

ClientSampleId :

BOTTOM-1

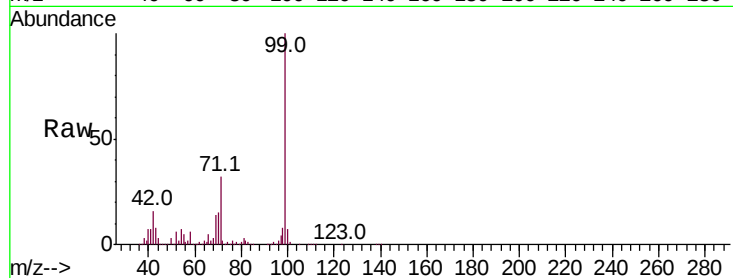
Tot Ion: 99 Resp: 994745

Ion Ratio Lower Upper

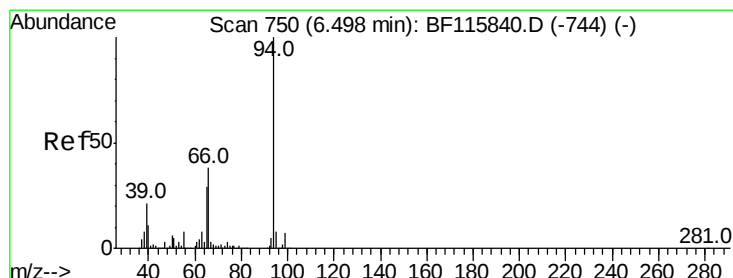
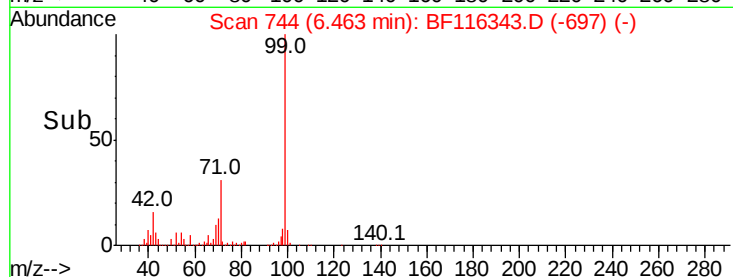
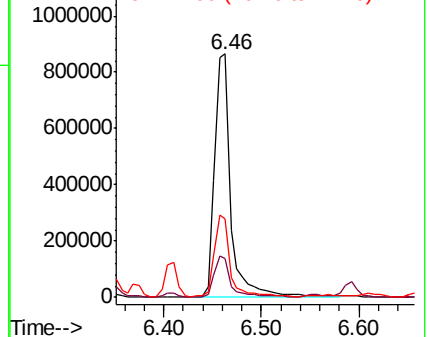
99 100

42 16.0 13.8 20.8

71 32.2 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



#10

Phenol

Concen: 4.342 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.04 min

Lab File: BF116343.D

Acq: 17 Aug 2019 3:02

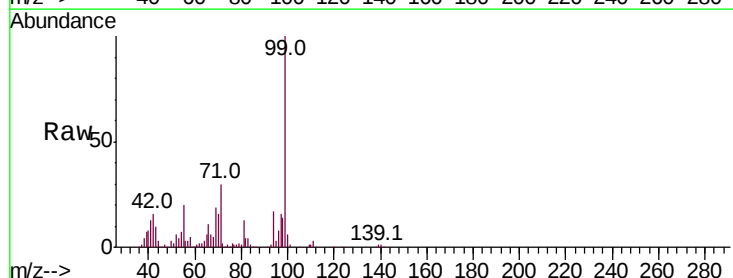
Tgt Ion: 94 Resp: 53997

Ion Ratio Lower Upper

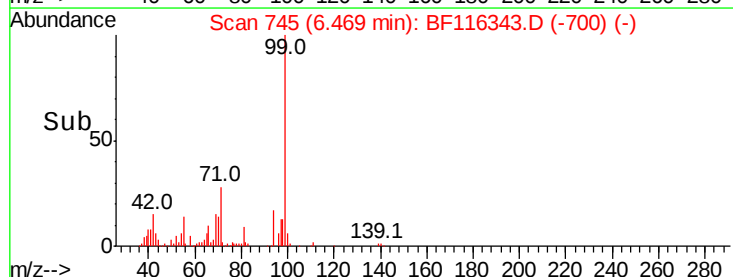
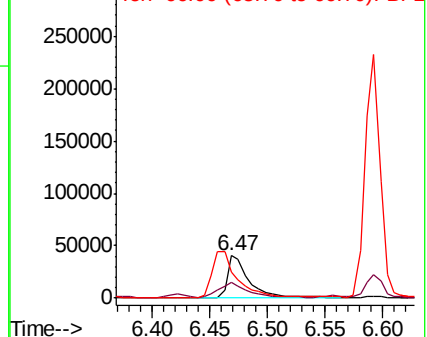
94 100

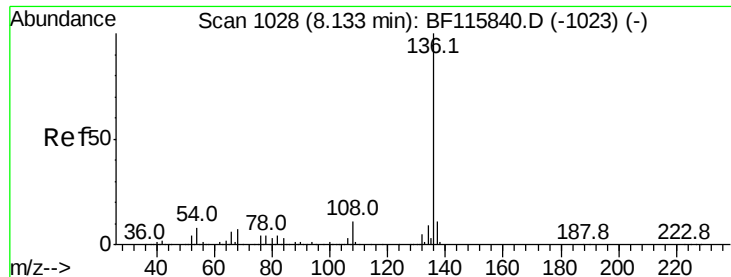
65 36.9 16.8 56.8

66 61.9 34.2 74.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

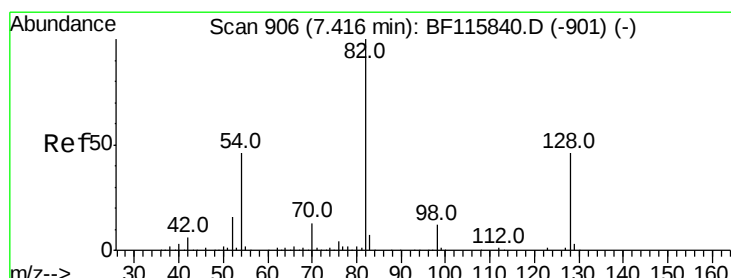
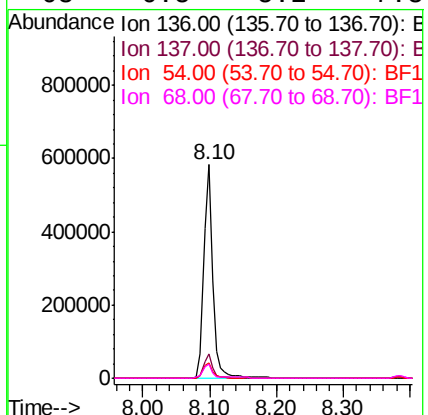
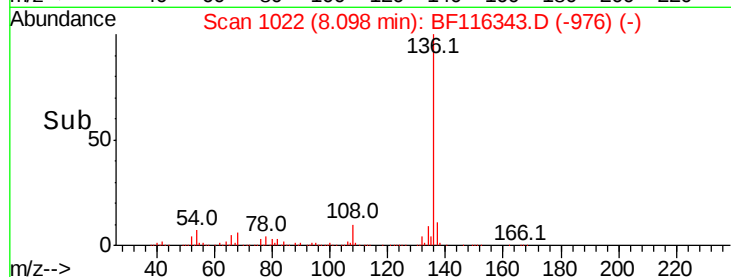
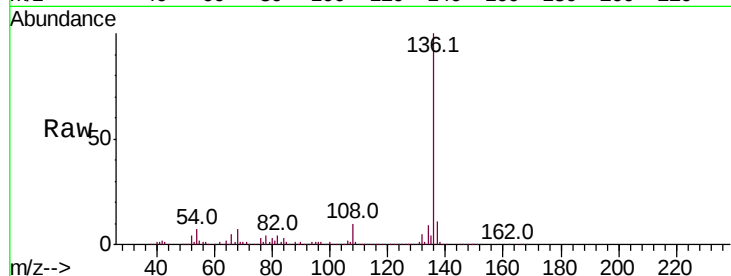




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.03 min
Lab File: BF116343.D
Acq: 17 Aug 2019 3:02

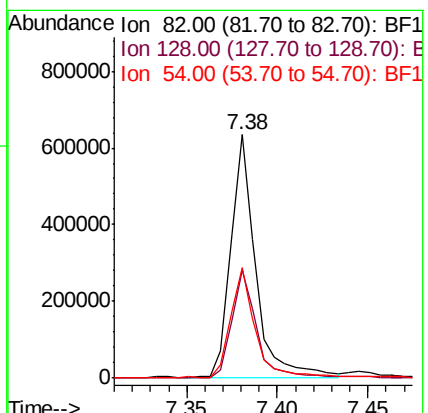
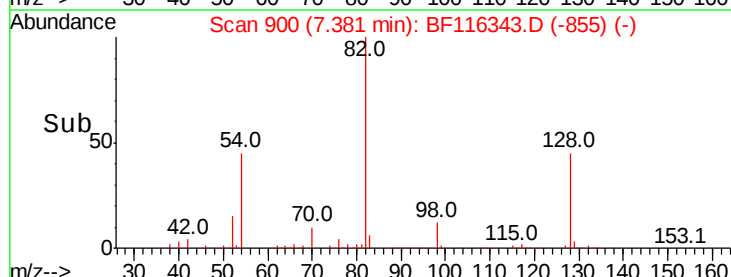
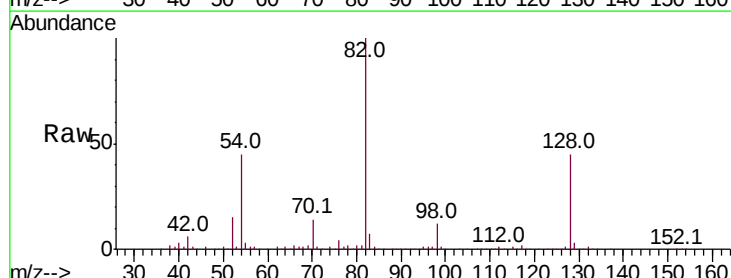
Instrument :
BNA_F
ClientSampleId :
BOTTOM-1

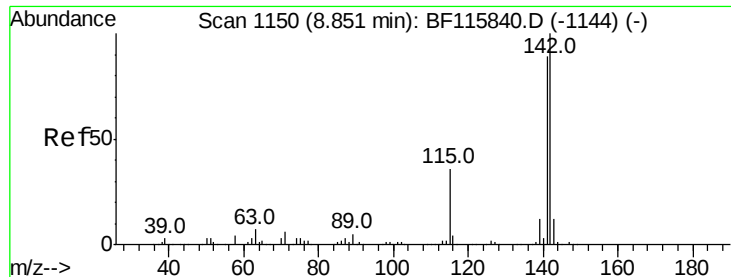
Tot Ion:136	Resp:	535972
Ion	Ratio	Lower Upper
136	100	
137	11.3	9.0 13.4
54	7.0	5.8 8.6
68	6.5	5.2 7.8



#23
Nitrobenzene-d5
Concen: 64.690 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.04 min
Lab File: BF116343.D
Acq: 17 Aug 2019 3:02

Tgt Ion: 82	Resp:	600664
Ion	Ratio	Lower Upper
82	100	
128	44.5	36.5 54.7
54	45.2	36.0 54.0

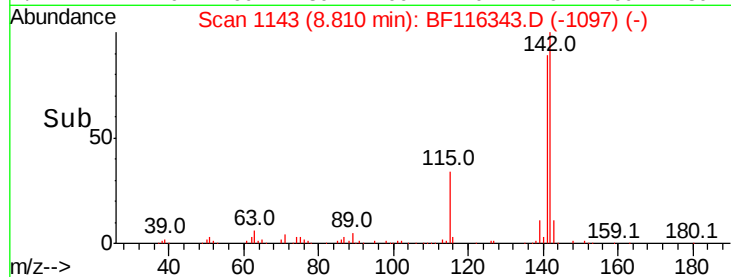
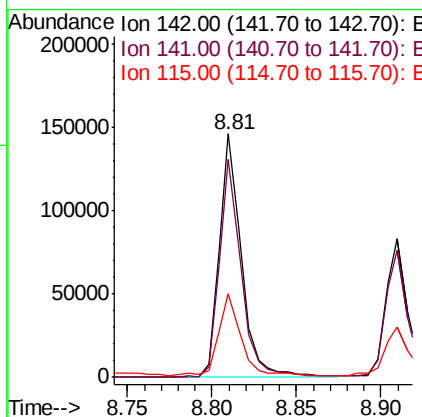
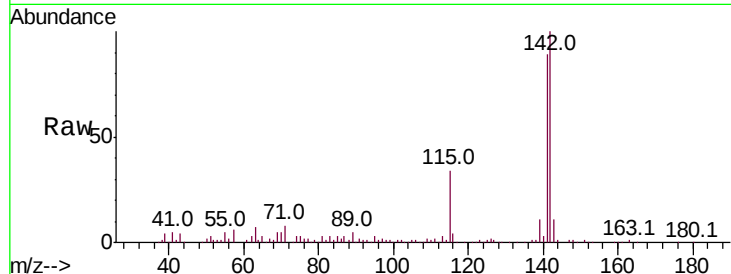




#37
 2-Methylnaphthalene
 Concen: 8.074 ng
 RT: 8.81 min Scan# 1143
 Delta R.T. -0.03 min
 Lab File: BF116343.D
 Acq: 17 Aug 2019 3:02

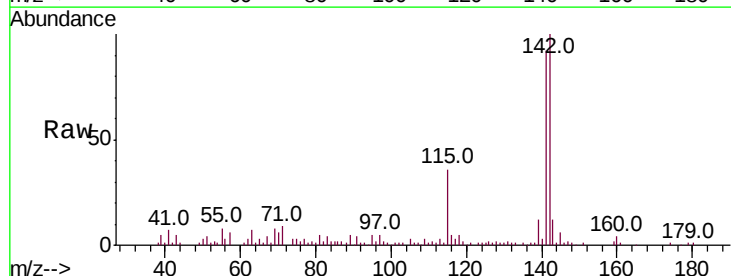
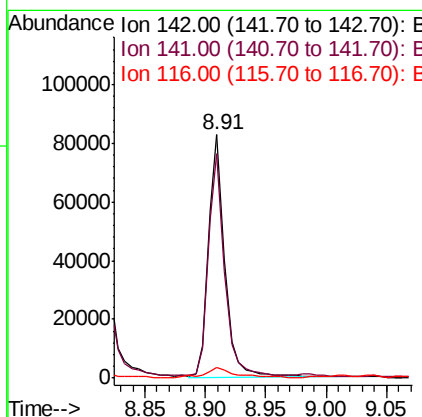
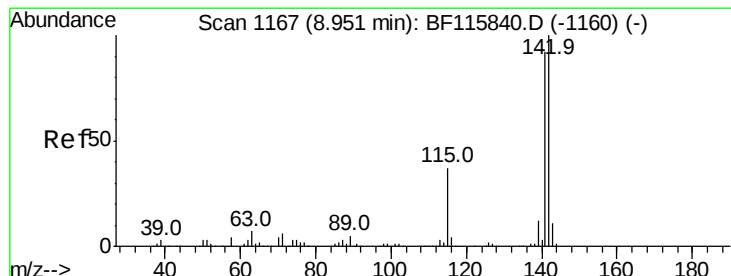
Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-1

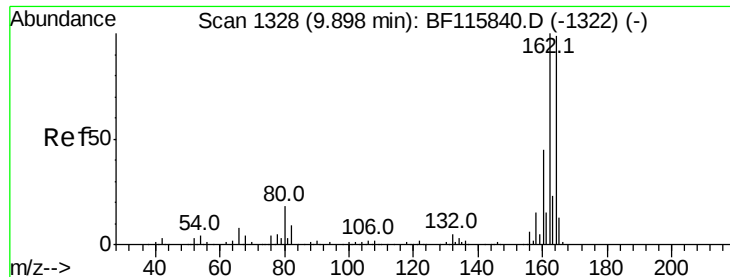
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.3	70.9	106.3
115	34.3	29.0	43.6



#38
 1-Methylnaphthalene
 Concen: 4.935 ng
 RT: 8.91 min Scan# 1160
 Delta R.T. -0.03 min
 Lab File: BF116343.D
 Acq: 17 Aug 2019 3:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.1	74.4	111.6
116	4.6	3.1	4.7

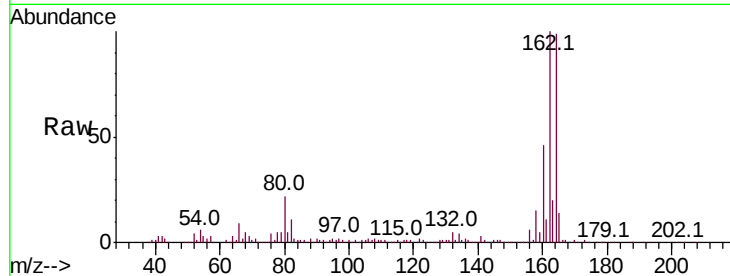




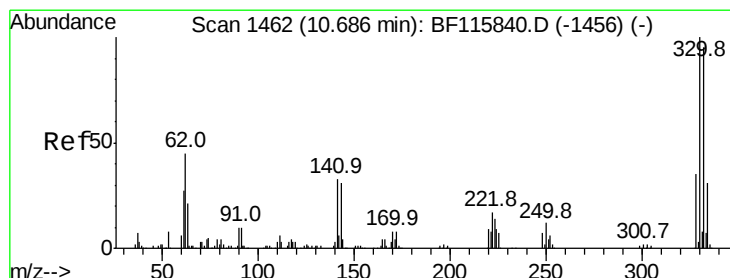
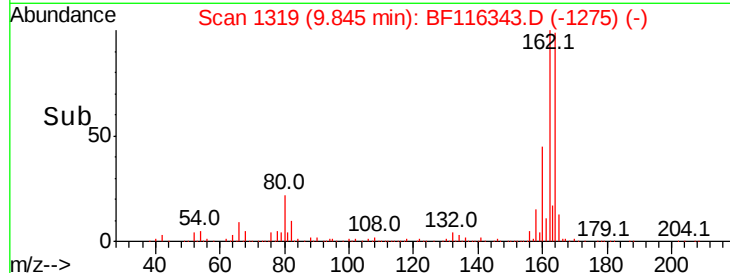
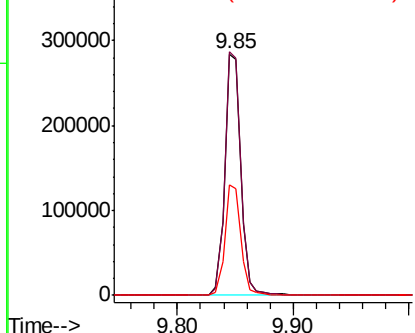
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.04 min
Lab File: BF116343.D
Acq: 17 Aug 2019 3:02

Instrument :
BNA_F
ClientSampleId :
BOTTOM-1

Tot Ion:164 Resp: 274335
Ion Ratio Lower Upper
164 100
162 100.9 82.6 124.0
160 46.1 37.6 56.4

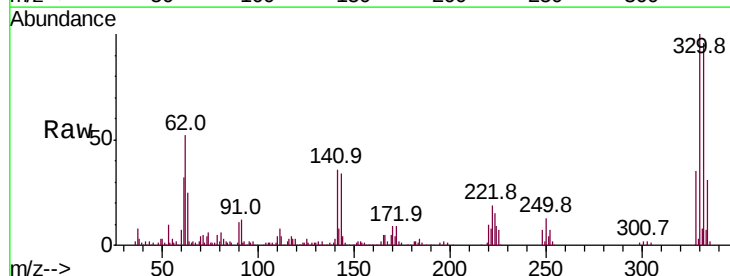


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

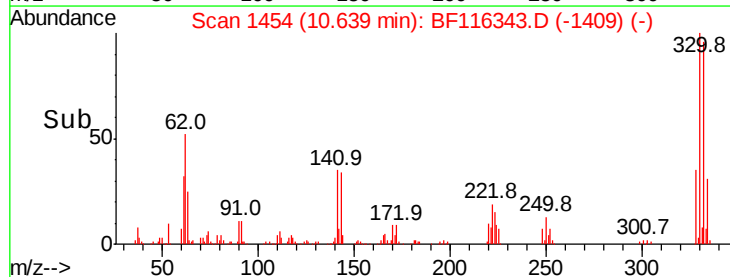
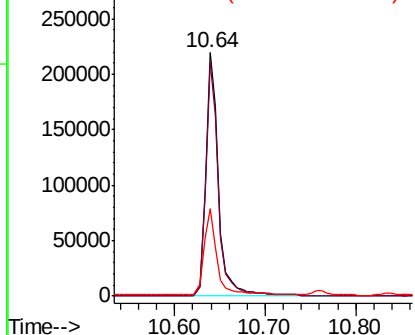


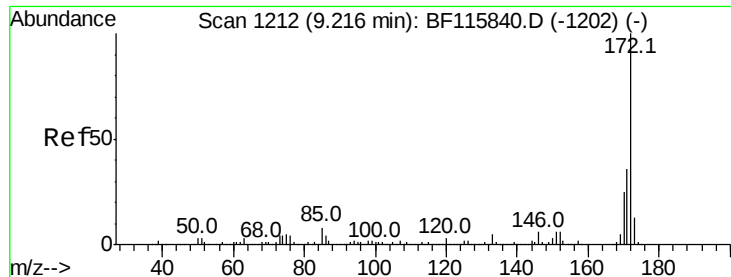
#42
2,4,6-Tribromophenol
Concen: 82.872 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.04 min
Lab File: BF116343.D
Acq: 17 Aug 2019 3:02

Tgt Ion:330 Resp: 220419
Ion Ratio Lower Upper
330 100
332 95.7 76.8 115.2
141 35.4 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: 66.304 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.04 min

Lab File: BF116343.D

Acq: 17 Aug 2019 3:02

Instrument :

BNA_F

ClientSampled :

BOTTOM-1

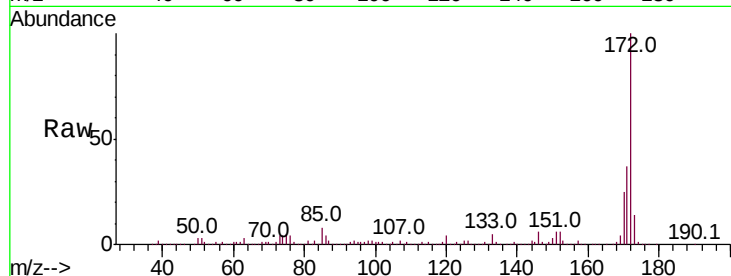
Tot Ion:172 Resp: 971106

Ion Ratio Lower Upper

172 100

171 36.6 29.6 44.4

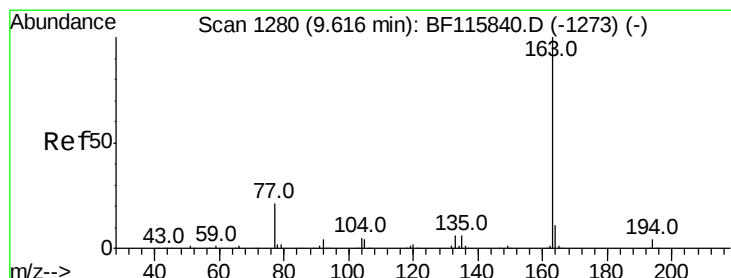
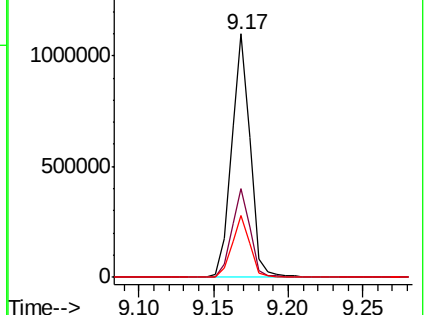
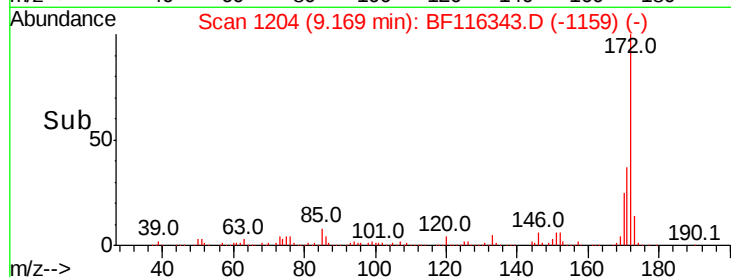
170 25.3 20.1 30.1



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: 5.445 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.04 min

Lab File: BF116343.D

Acq: 17 Aug 2019 3:02

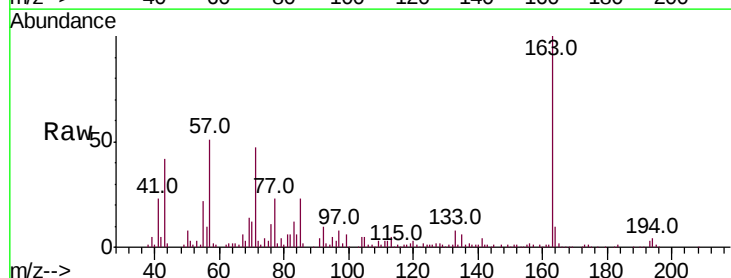
Tgt Ion:163 Resp: 101713

Ion Ratio Lower Upper

163 100

194 4.5 3.0 4.6

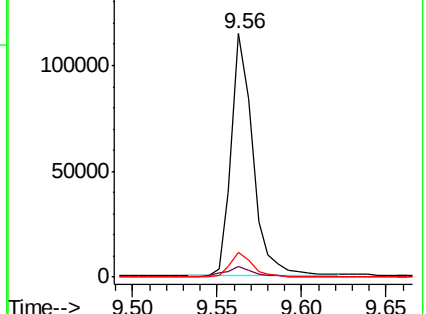
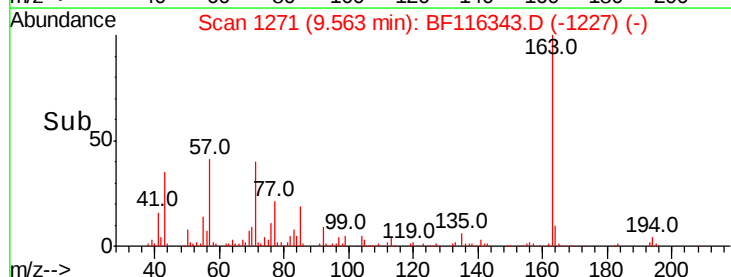
164 10.4 8.4 12.6

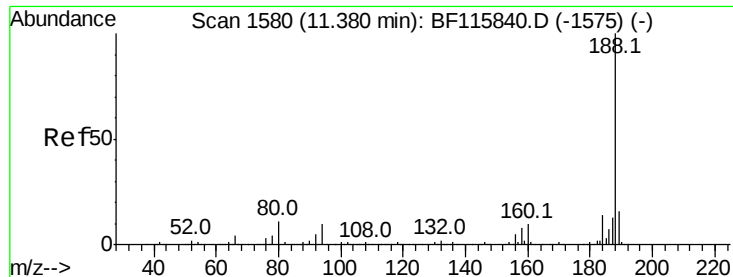


Abundance Ion 163.00 (162.70 to 163.70): E

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: 11.33 min Scan# 1572

Delta R.T. -0.04 min

Lab File: BF116343.D

Acq: 17 Aug 2019 3:02

Instrument :

BNA_F

ClientSampleId :

BOTTOM-1

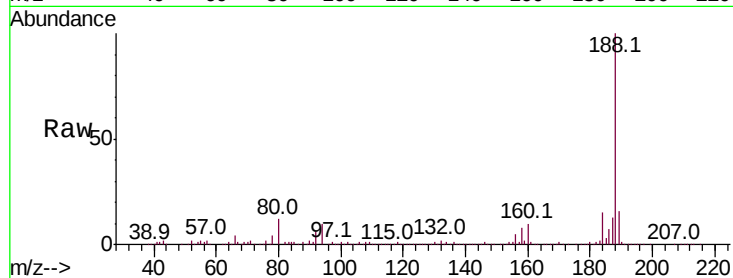
Tot Ion:188 Resp: 432587

Ion Ratio Lower Upper

188 100

94 10.3 8.1 12.1

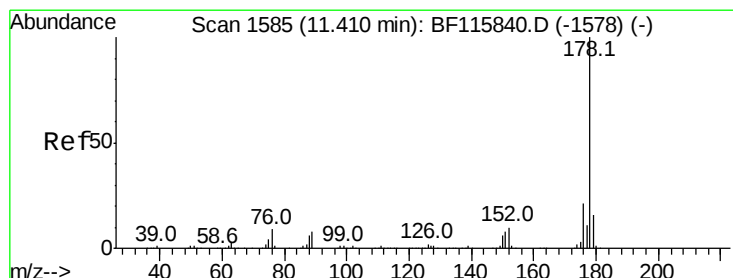
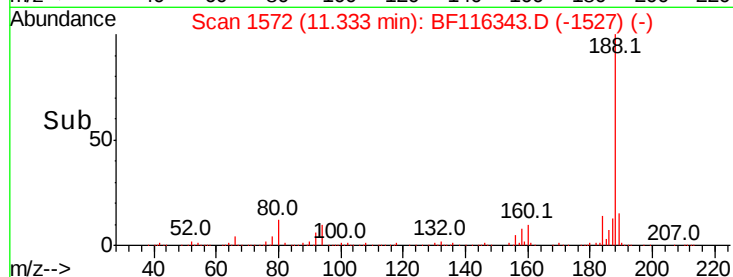
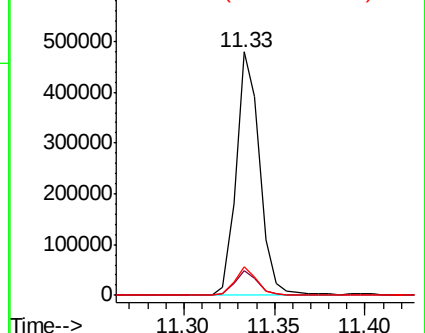
80 11.8 8.7 13.1



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: 4.179 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.04 min

Lab File: BF116343.D

Acq: 17 Aug 2019 3:02

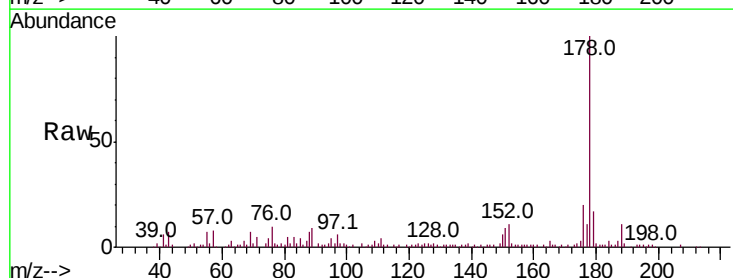
Tgt Ion:178 Resp: 92407

Ion Ratio Lower Upper

178 100

176 20.3 16.6 24.8

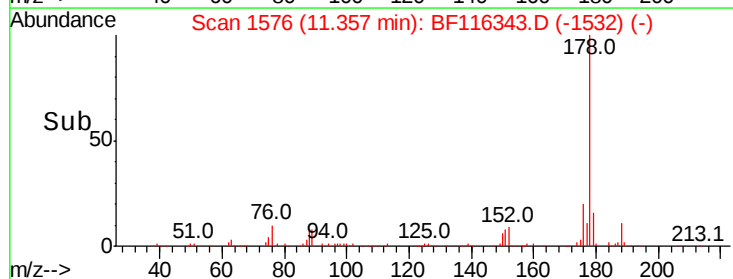
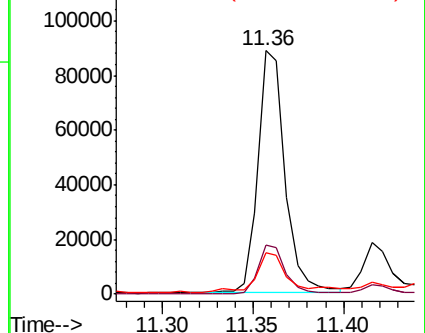
179 16.9 12.5 18.7

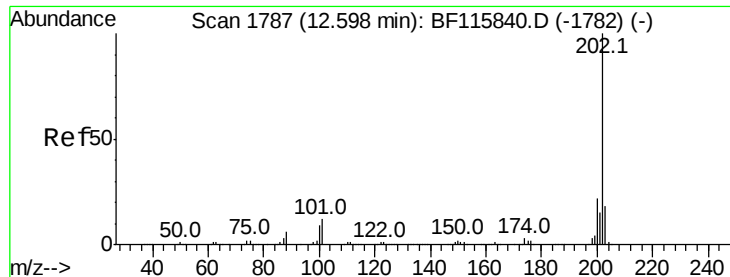


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 4.481 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.04 min

Lab File: BF116343.D

Acq: 17 Aug 2019 3:02

Instrument :

BNA_F

ClientSampleId :

BOTTOM-1

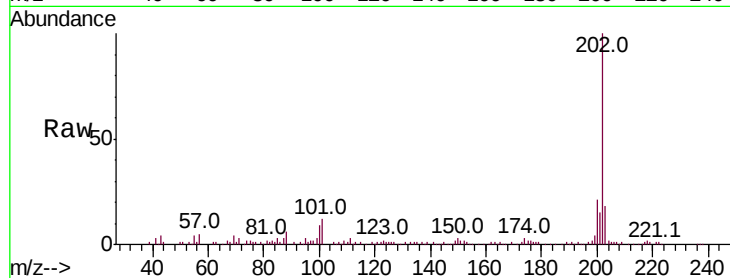
Tot Ion:202 Resp: 103746

Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.2

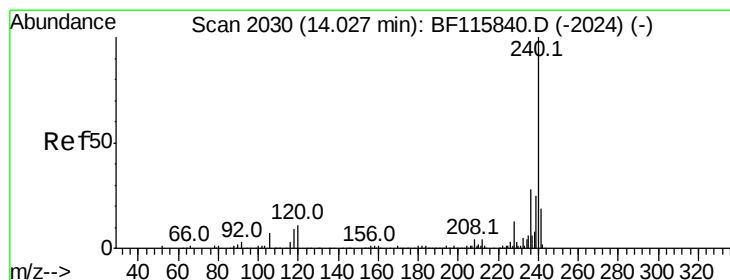
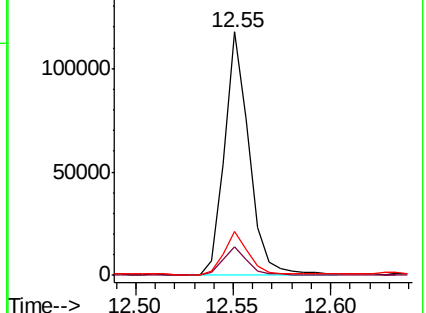
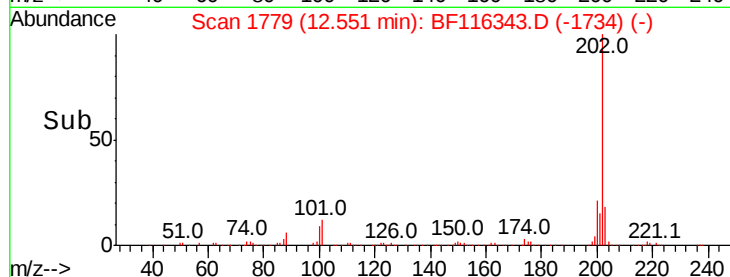
203 18.3 0.0 37.8



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: 13.97 min Scan# 2021

Delta R.T. -0.04 min

Lab File: BF116343.D

Acq: 17 Aug 2019 3:02

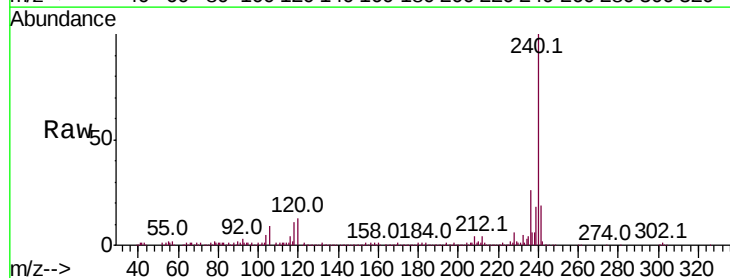
Tgt Ion:240 Resp: 281602

Ion Ratio Lower Upper

240 100

120 12.9 10.7 16.1

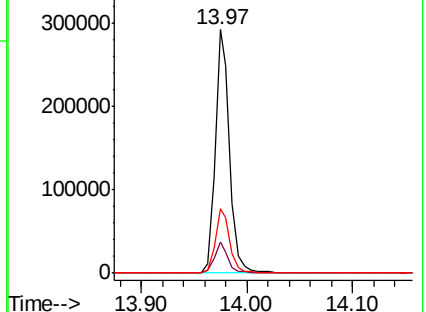
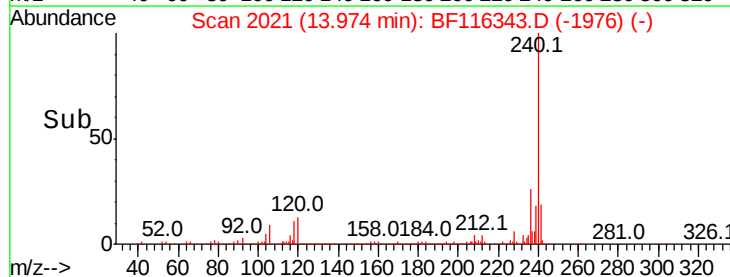
236 26.4 22.2 33.2

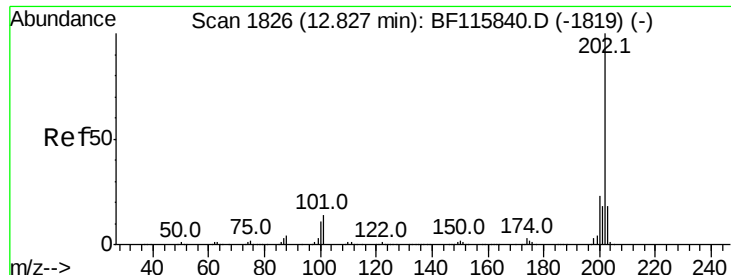


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

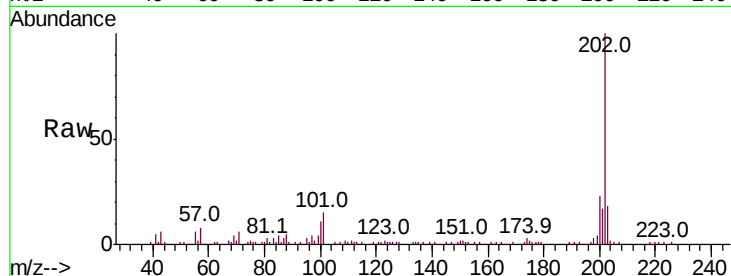




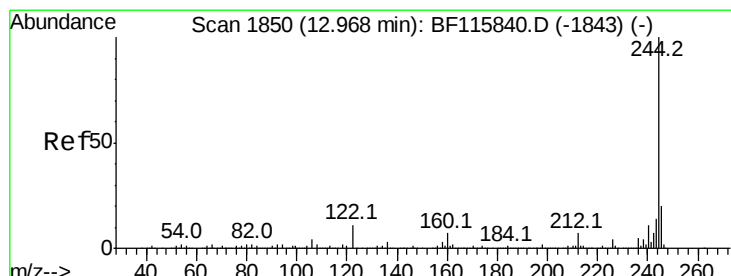
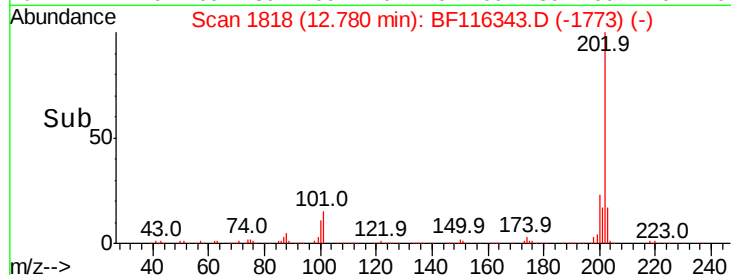
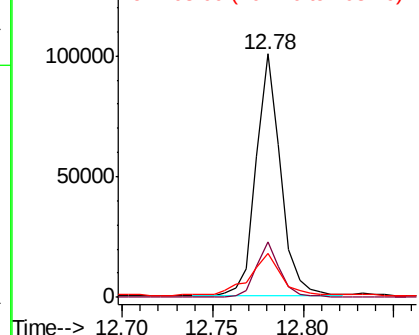
#78
Pvrene
Concen: 4.449 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.04 min
Lab File: BF116343.D
Acq: 17 Aug 2019 3:02

Instrument :
BNA_F
ClientSampleId :
BOTTOM-1

Tot Ion:202 Resp: 94445
Ion Ratio Lower Upper
202 100
200 22.8 18.0 27.0
203 17.9 14.1 21.1

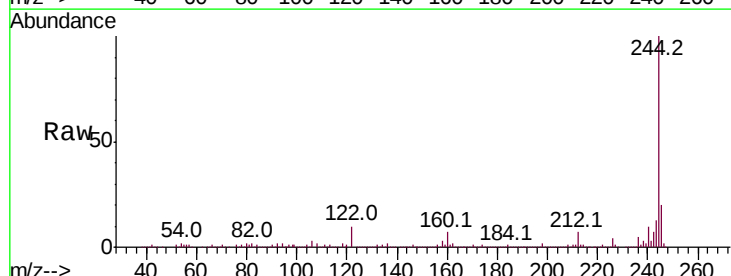


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

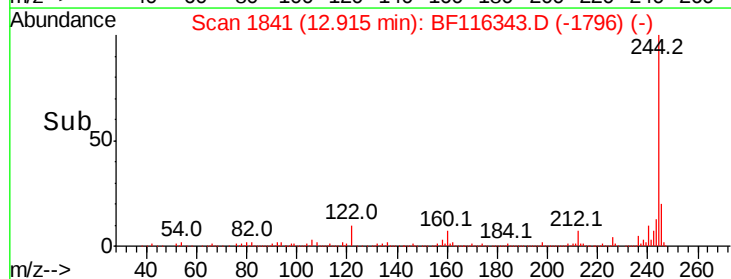
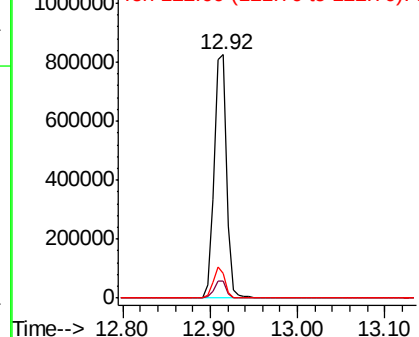


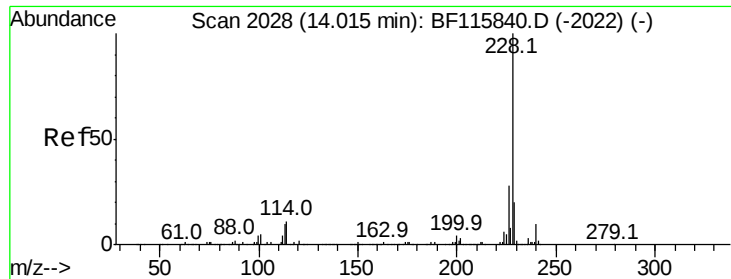
#79
Terphenyl-d14
Concen: 61.457 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.04 min
Lab File: BF116343.D
Acq: 17 Aug 2019 3:02

Tgt Ion:244 Resp: 821313
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.8
122 10.4 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





#81

Benzo(a)anthracene

Concen: 2.046 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.03 min

Lab File: BF116343.D

Acq: 17 Aug 2019 3:02

Instrument :

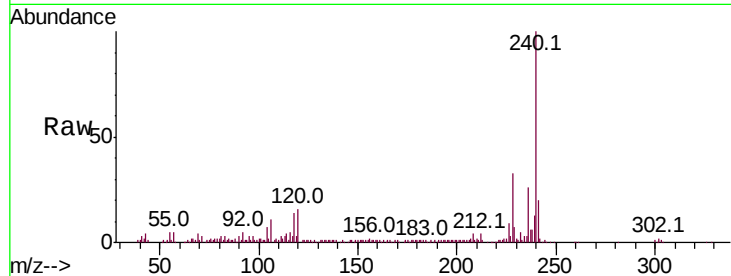
BNA_F

ClientSampleId :

BOTTOM-1

Tot Ion:228 Resp: 36817

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.7	34.1
229	21.7	16.2	24.4

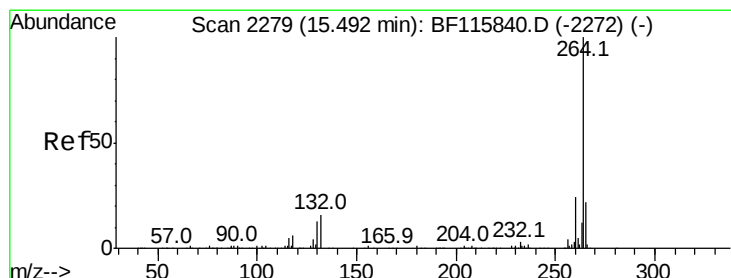
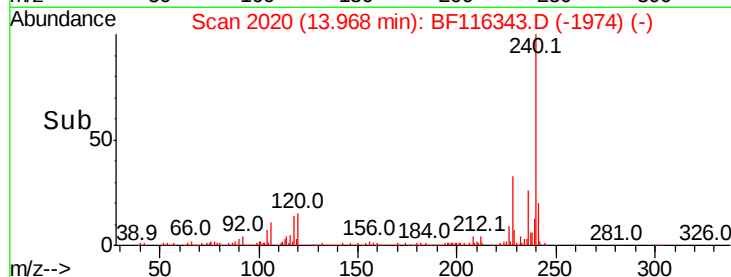
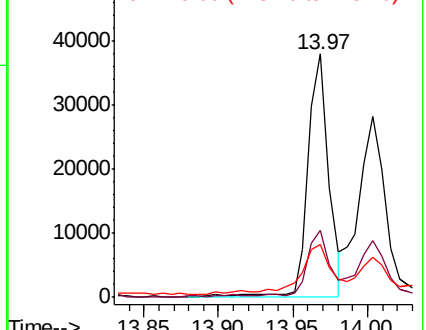


Abundance

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

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2269

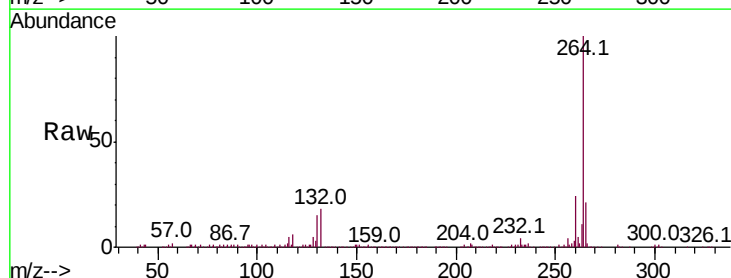
Delta R.T. -0.04 min

Lab File: BF116343.D

Acq: 17 Aug 2019 3:02

Tgt Ion:264 Resp: 316485

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.7	29.5
265	21.3	17.4	26.0

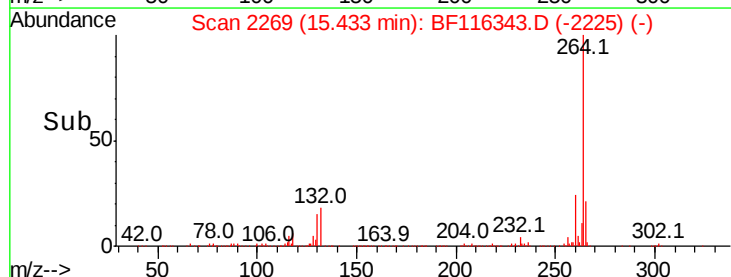
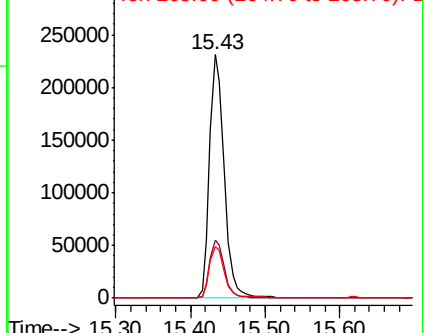


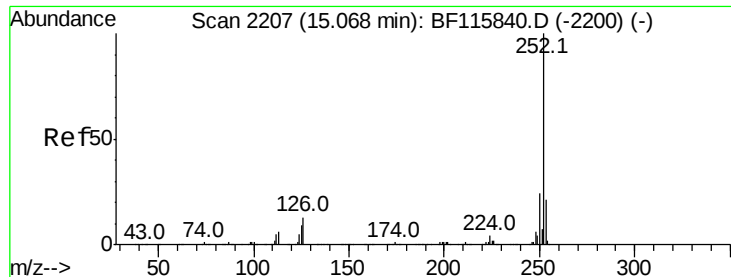
Abundance

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





#88

Benzo(b)fluoranthene

Concen: 2.089 ng/mL

RT: 15.02 min Scan# 2199

Delta R.T. -0.03 min

Lab File: BF116343.D

Acq: 17 Aug 2019 3:02

Instrument :

BNA_F

ClientSampleId :

BOTTOM-1

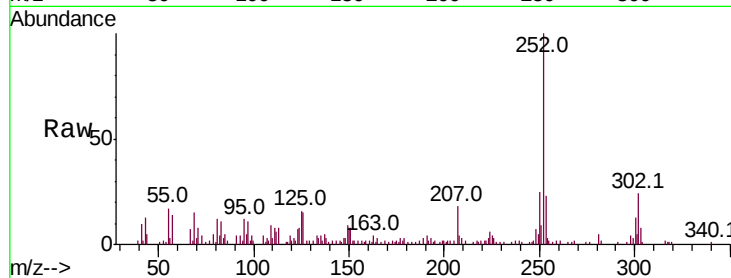
Tot Ion: 252 Resp: 38236

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

125 15.5 8.4 12.6



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

