

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091019\
 Data File : BF116941.D
 Acq On : 11 Sep 2019 00:14
 Operator : HP/JU
 Sample : K4689-03DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-4ADL

Quant Time: Sep 11 11:17:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 17:49:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	82144	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	320134	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	166513	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	247448	20.00	ng	0.00
76) Chrysene-d12	13.98	240	149609	20.00	ng	0.00
87) Perylene-d12	15.43	264	175411	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	55470	10.94	ng	0.00
7) Phenol-d6	6.46	99	47090	7.07	ng	-0.01
23) Nitrobenzene-d5	7.39	82	104494	18.63	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	32510	29.20	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	203757	20.64	ng	0.00
79) Terphenyl-d14	12.93	244	156524	19.35	ng	0.00

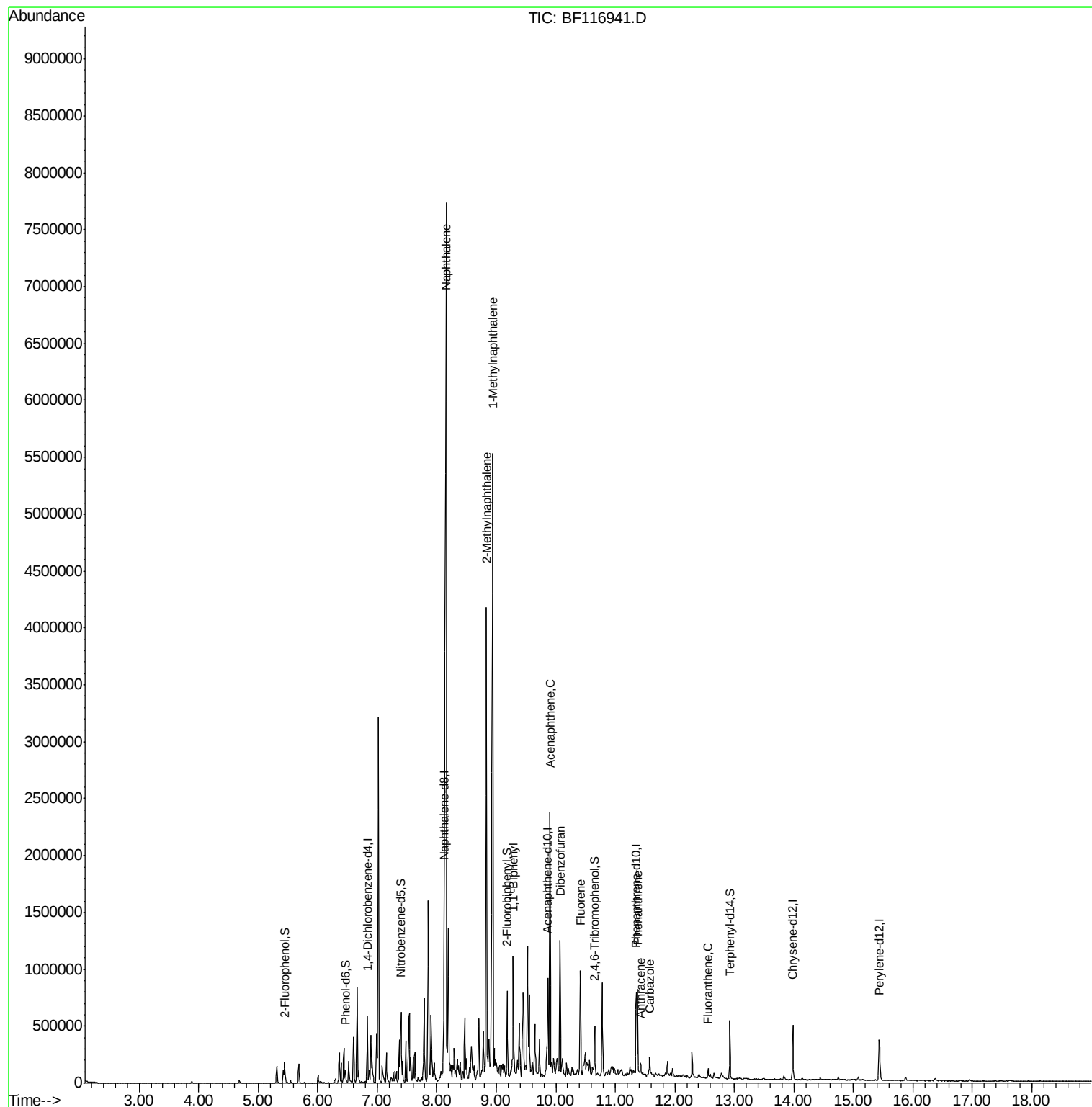
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.16	128	5526713	363.058	ng	94
37) 2-Methylnaphthalene	8.84	142	1334190	131.727	ng	97
38) 1-Methylnaphthalene	8.94	142	1654841	173.079	ng	99
46) 1,1'-Biphenyl	9.29	154	317434	25.123	ng	97
52) Acenaphthene	9.90	154	482702	51.931	ng	98
55) Dibenzofuran	10.07	168	447310	34.137	ng	98
58) Fluorene	10.42	166	250122	25.052	ng	99
71) Phenanthrene	11.37	178	267606	19.428	ng	100
72) Anthracene	11.42	178	37766	2.724	ng	98
73) Carbazole	11.58	167	68263	5.168	ng	99
75) Fluoranthene	12.56	202	29292	2.164	ng	99

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

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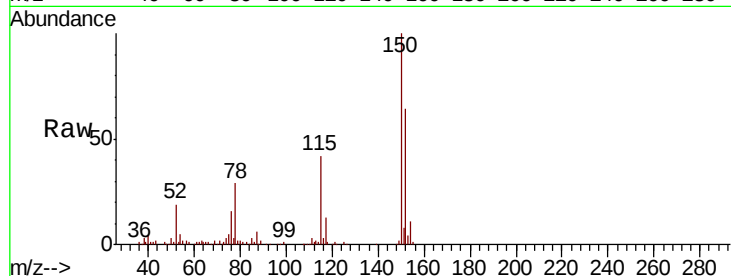


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. 0.00 min
Lab File: BF116941.D
Acq: 11 Sep 2019 00:14

Instrument :
BNA_F
ClientSampleId :
MW-4ADL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.4	186.6
115	65.8	49.9	74.9

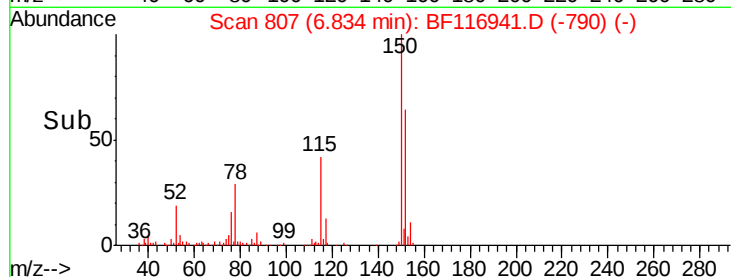
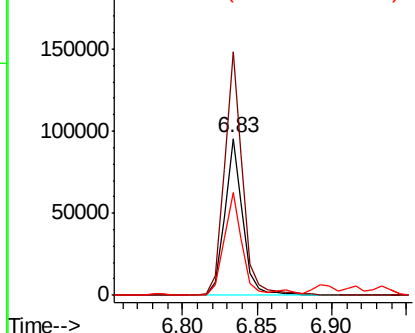


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

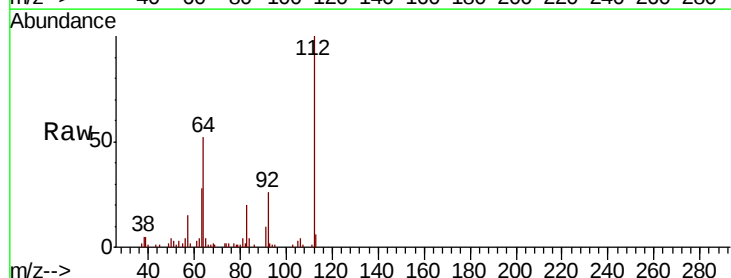
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 10.940 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.00 min
Lab File: BF116941.D
Acq: 11 Sep 2019 00:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	47.1	70.7
63	28.0	24.9	37.3

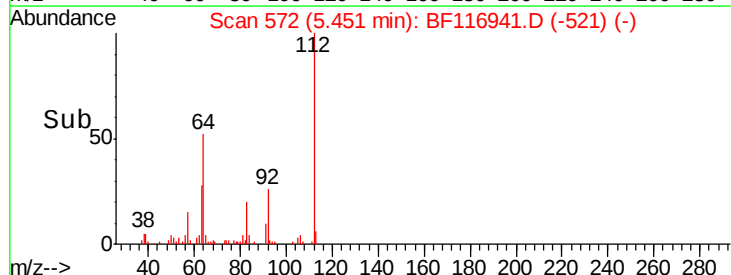
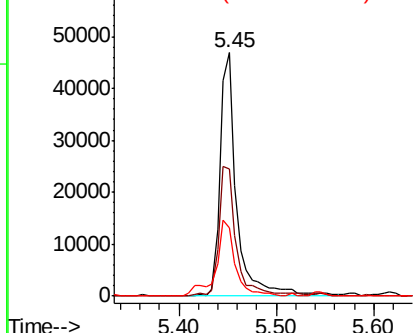


Abundance

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: 7.073 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF116941.D

Acq: 11 Sep 2019 00:14

Instrument :

BNA_F

ClientSampleId :

MW-4ADL

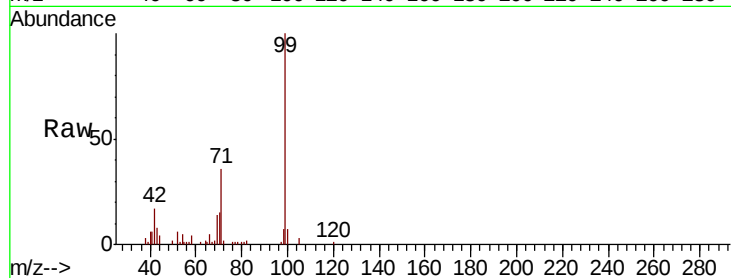
Tot Ion: 99 Resp: 47090

Ion Ratio Lower Upper

99 100

42 16.6 13.7 20.5

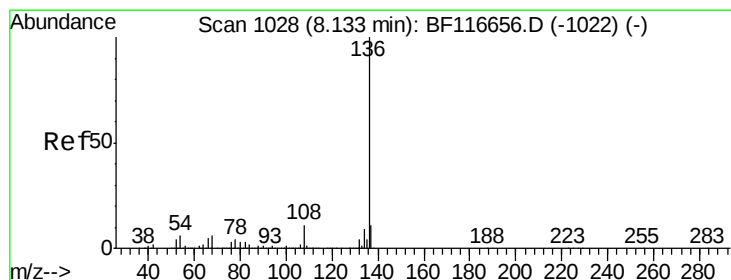
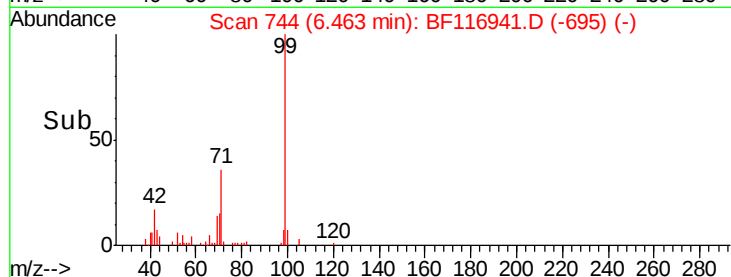
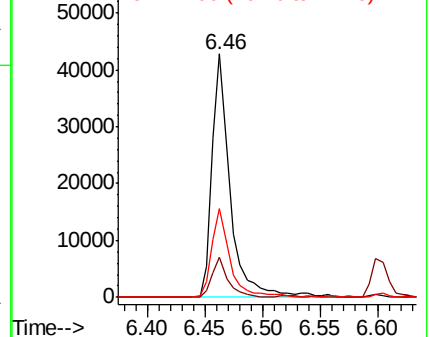
71 36.3 30.8 46.2



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: 8.12 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BF116941.D

Acq: 11 Sep 2019 00:14

Tgt Ion: 136 Resp: 320134

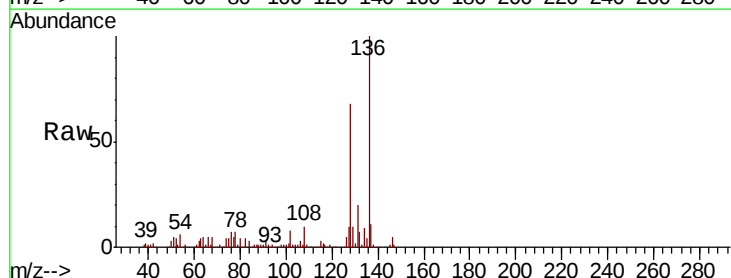
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 5.9 4.8 7.2

68 4.9 4.0 6.0

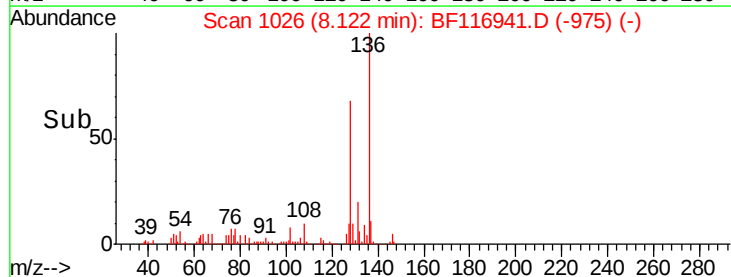
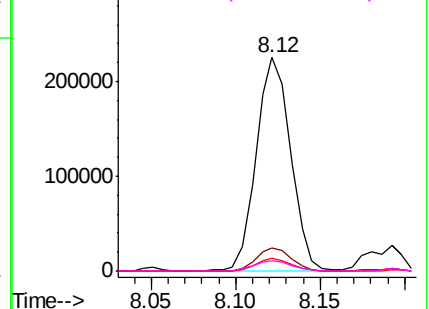


Abundance Ion 136.00 (135.70 to 136.70): E

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

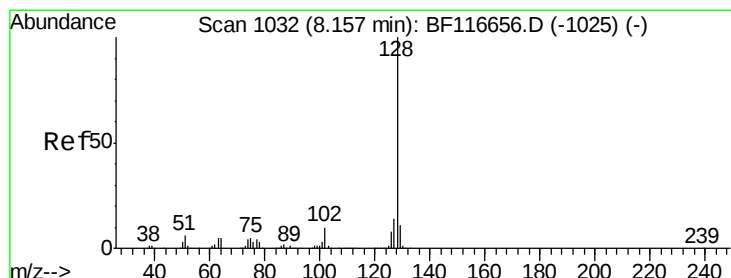
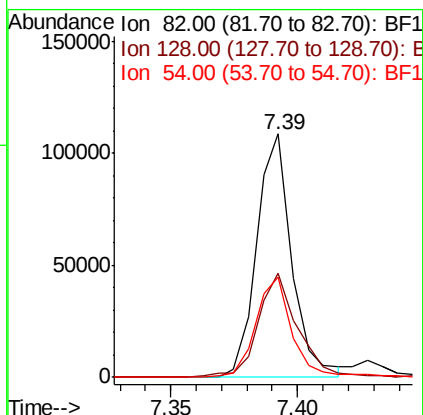
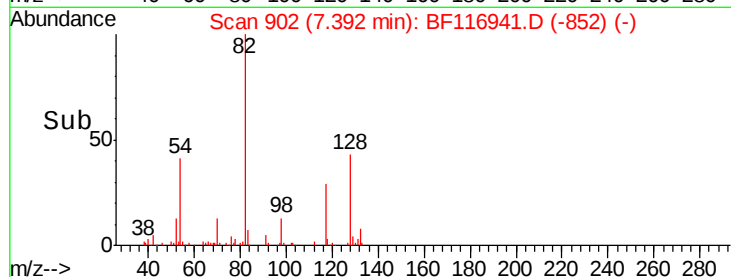
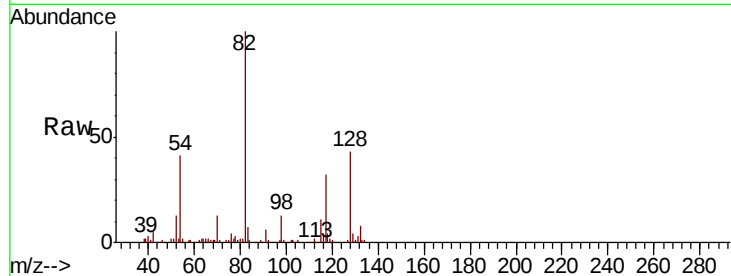




#23
Nitrobenzene-d5
Concen: 18.634 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF116941.D
Acq: 11 Sep 2019 00:14

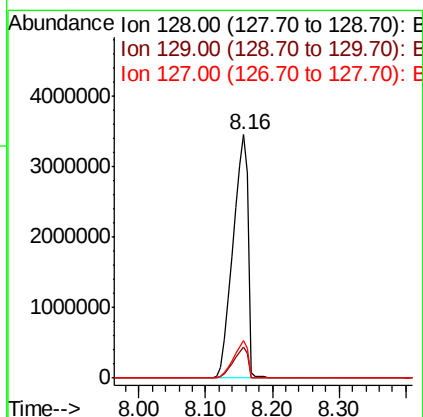
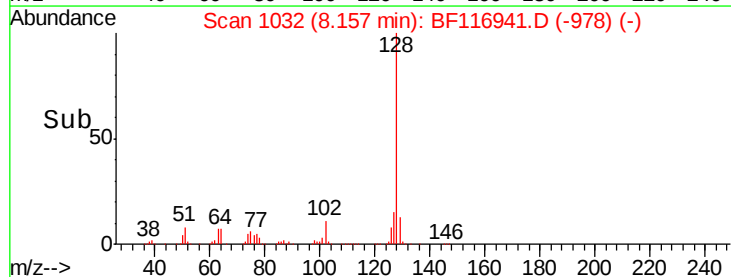
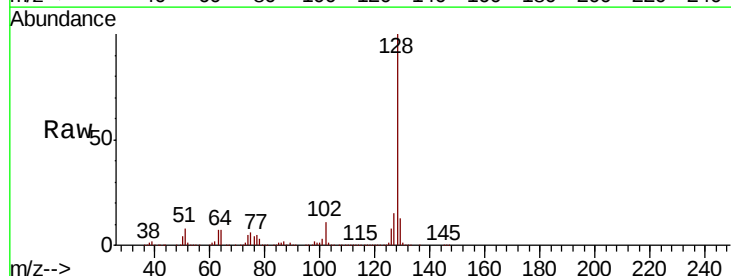
Instrument :
BNA_F
ClientSampleId :
MW-4ADL

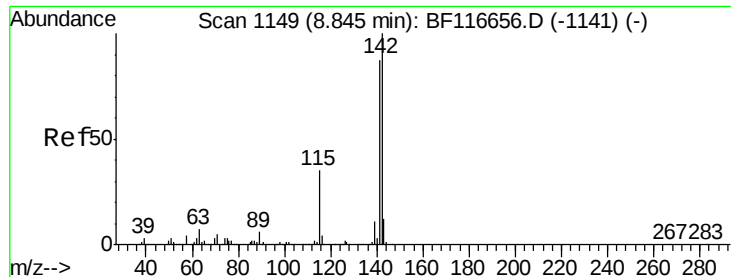
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.8	32.8	49.2
54	41.0	36.9	55.3



#31
Naphthalene
Concen: 363.058 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.02 min
Lab File: BF116941.D
Acq: 11 Sep 2019 00:14

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.8	8.6	13.0
127	15.3	10.4	15.6





#37

2-Methylnaphthalene

Concen: 131.727 ng

RT: 8.84 min Scan# 1148

Delta R.T. 0.01 min

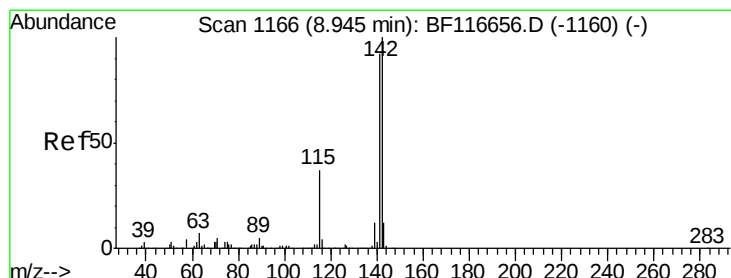
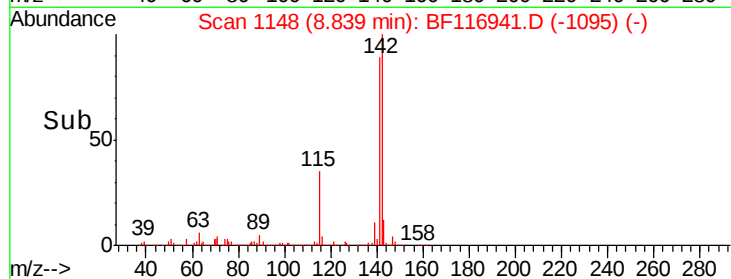
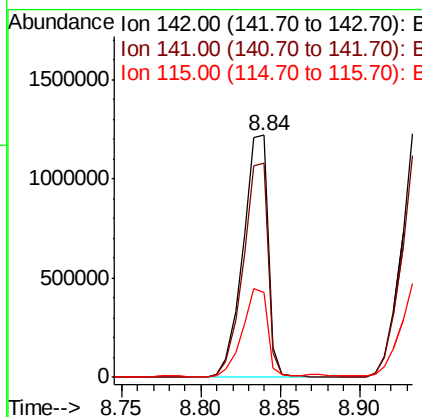
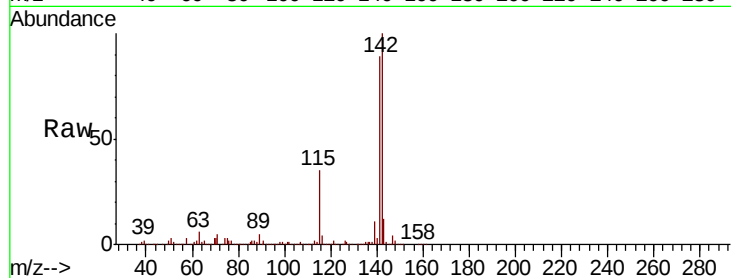
Lab File: BF116941.D

Acq: 11 Sep 2019 00:14

Instrument :
BNA_F
ClientSampleId :
MW-4ADL

Tot Ion:142 Resp: 1334190

Ion	Ratio	Lower	Upper
142	100		
141	88.7	72.6	109.0
115	35.3	29.8	44.6



#38

1-Methylnaphthalene

Concen: 173.079 ng

RT: 8.94 min Scan# 1165

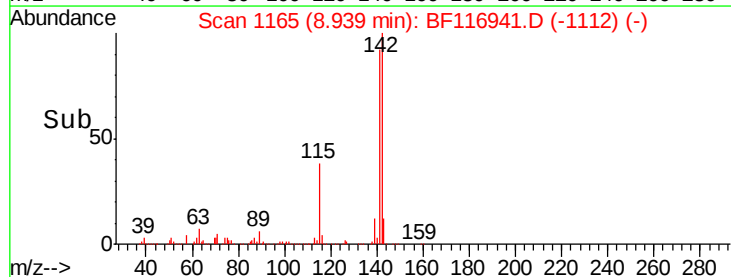
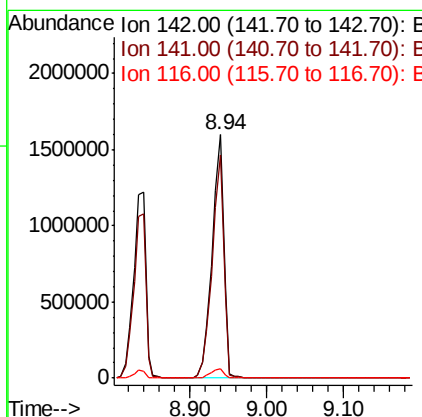
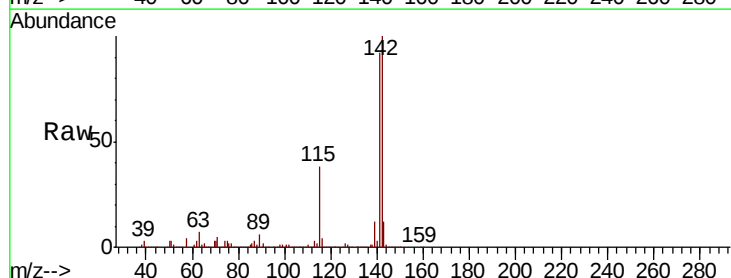
Delta R.T. 0.01 min

Lab File: BF116941.D

Acq: 11 Sep 2019 00:14

Tgt Ion:142 Resp: 1654841

Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.9	110.9
116	4.0	3.0	4.6

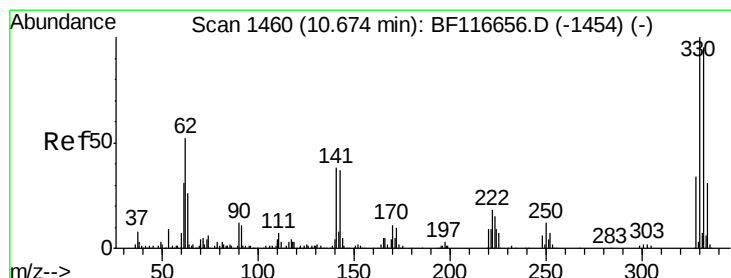
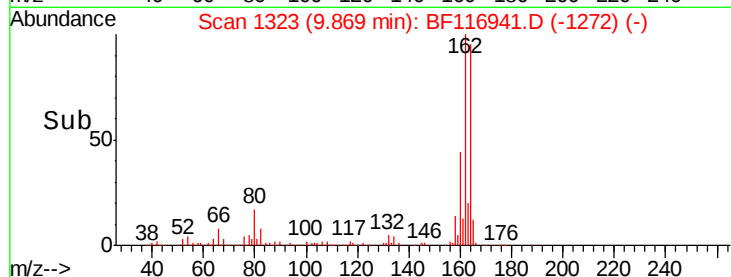
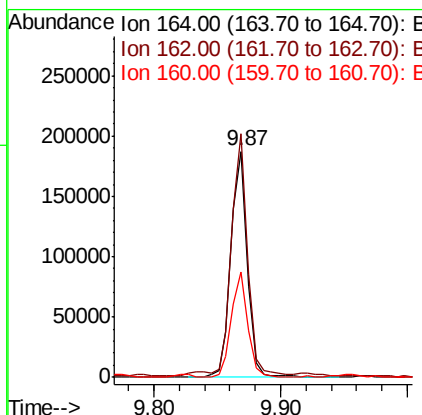
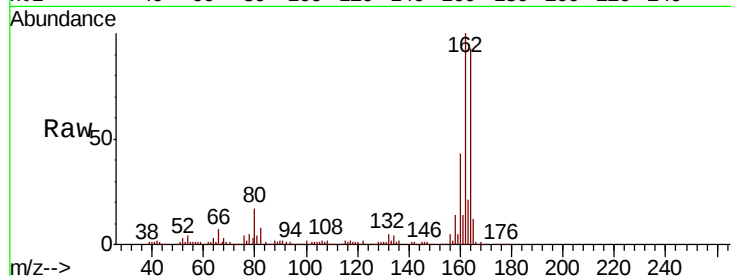




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: BF116941.D
 Acq: 11 Sep 2019 00:14

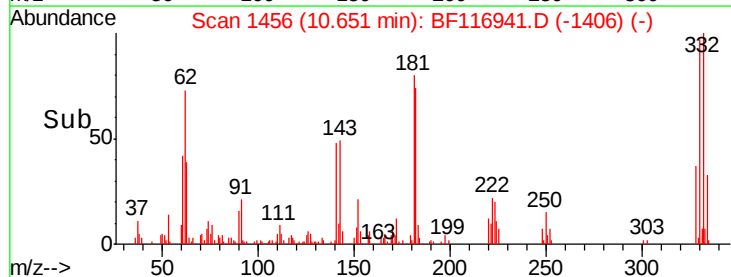
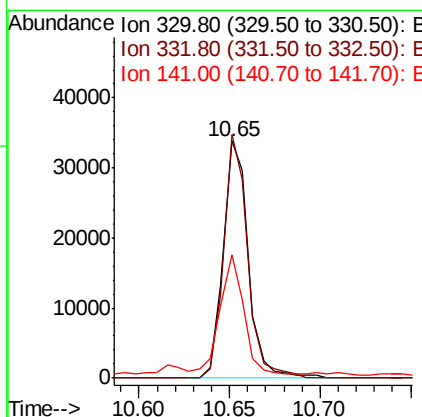
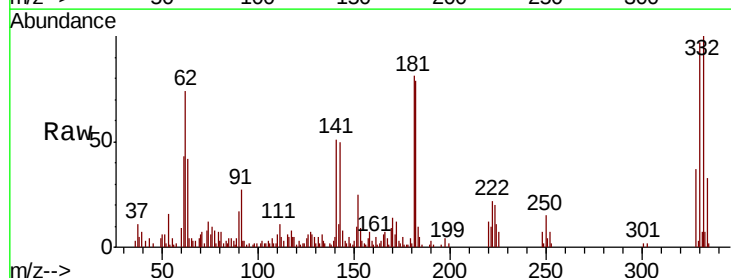
Instrument :
 BNA_F
 ClientSampled :
 MW-4ADL

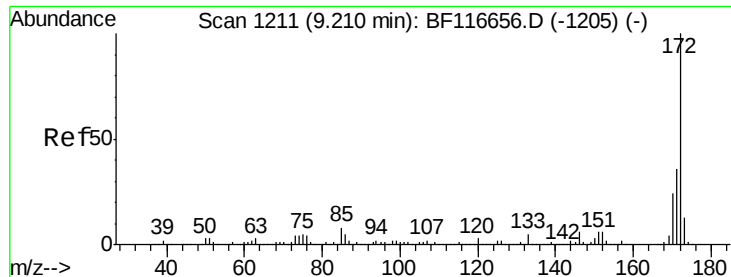
Tot Ion:164 Resp: 166513
 Ion Ratio Lower Upper
 164 100
 162 107.7 81.4 122.0
 160 46.7 35.4 53.2



#42
 2,4,6-Tribromophenol
 Concen: 29.205 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BF116941.D
 Acq: 11 Sep 2019 00:14

Tgt Ion:330 Resp: 32510
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.9 115.3
 141 47.0 31.4 47.2

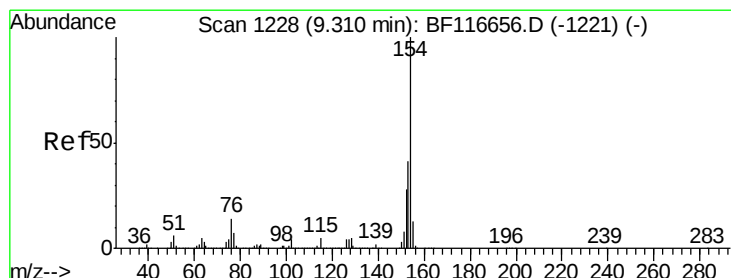
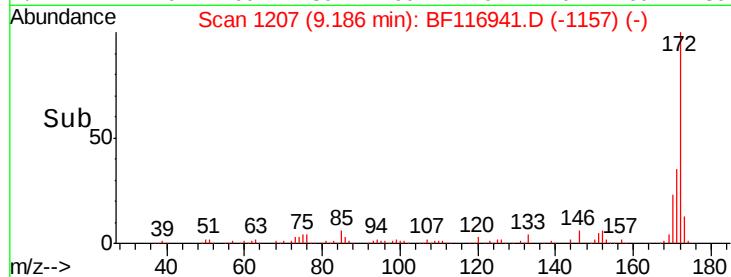
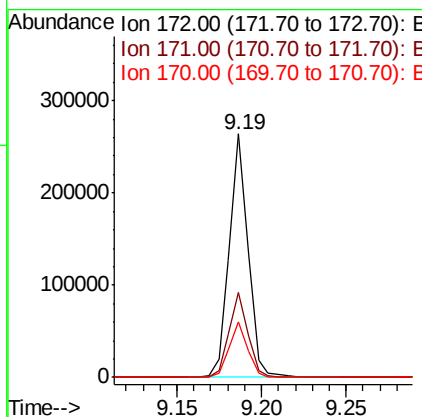
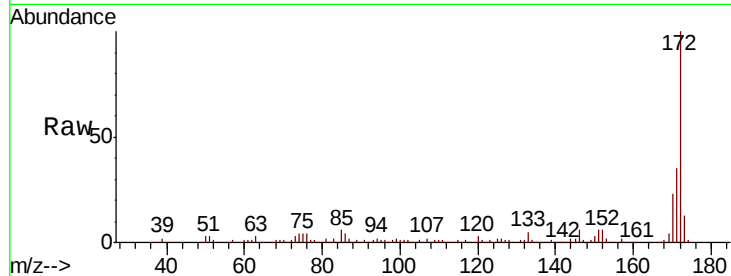




#45
2-Fluorobiphenyl
Concen: 20.642 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BF116941.D
Acq: 11 Sep 2019 00:14

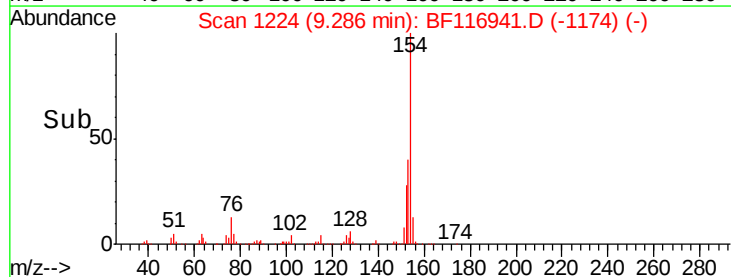
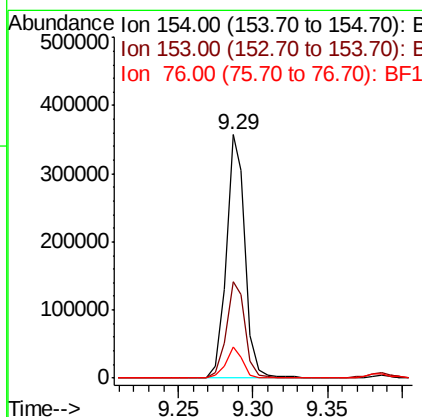
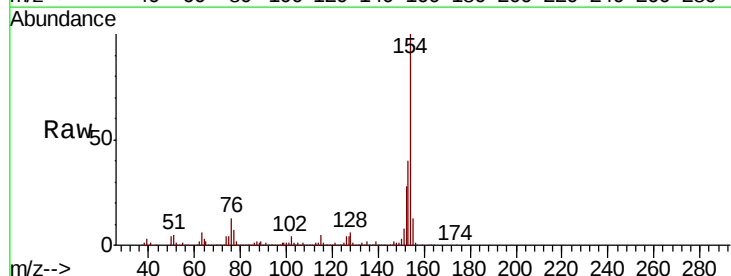
Instrument :
BNA_F
ClientSampleId :
MW-4ADL

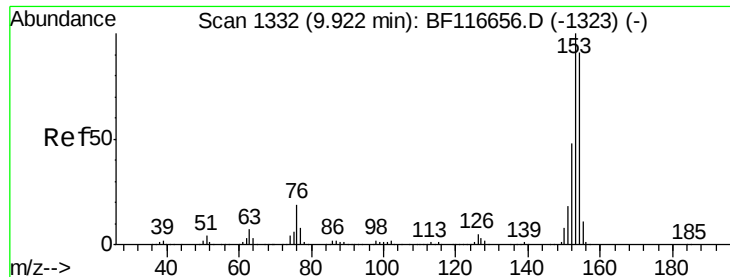
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	22.8	18.9	28.3



#46
1,1'-Biphenyl
Concen: 25.123 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BF116941.D
Acq: 11 Sep 2019 00:14

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.5	21.2	61.2
76	12.9	0.0	30.9





#52

Acenaphthene

Concen: 51.931 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.00 min

Lab File: BF116941.D

Acq: 11 Sep 2019 00:14

Instrument :

BNA_F

ClientSampleId :

MW-4ADL

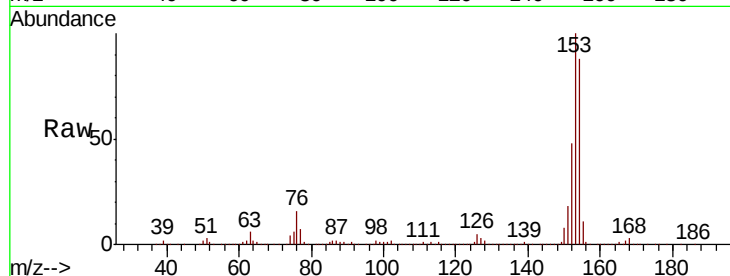
Tot Ion:154 Resp: 482702

Ion Ratio Lower Upper

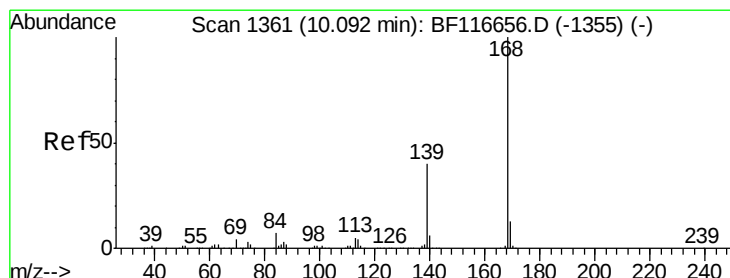
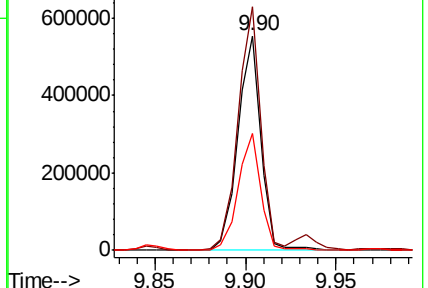
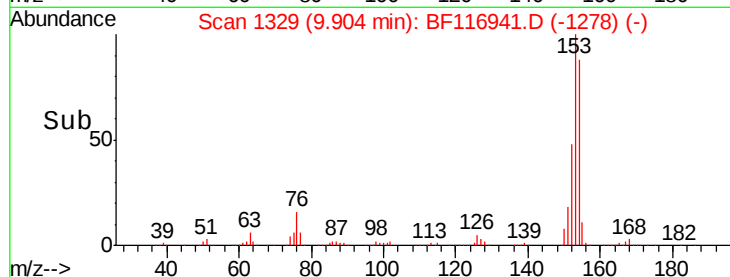
154 100

153 113.5 89.5 134.3

152 54.4 41.9 62.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 34.137 ng

RT: 10.07 min Scan# 1358

Delta R.T. 0.00 min

Lab File: BF116941.D

Acq: 11 Sep 2019 00:14

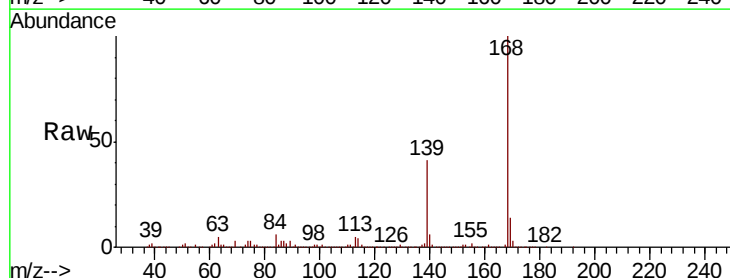
Tgt Ion:168 Resp: 447310

Ion Ratio Lower Upper

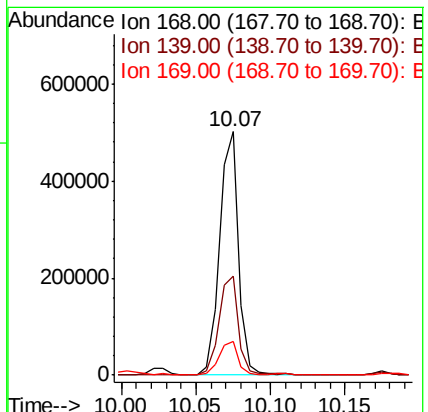
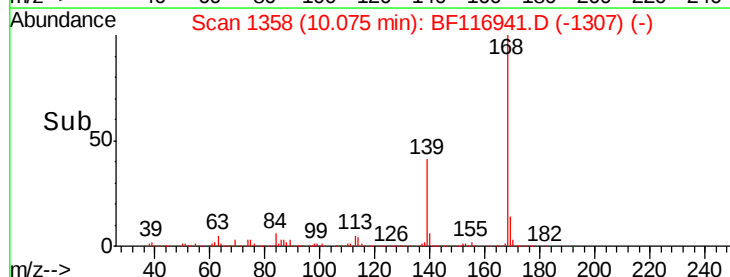
168 100

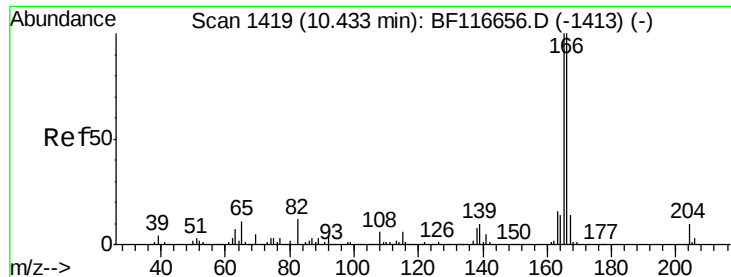
139 40.7 31.5 47.3

169 13.9 10.3 15.5



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#58

Fluorene

Concen: 25.052 ng

RT: 10.42 min Scan# 1416

Delta R.T. 0.00 min

Lab File: BF116941.D

Acq: 11 Sep 2019 00:14

Instrument :

BNA_F

ClientSampleId :

MW-4ADL

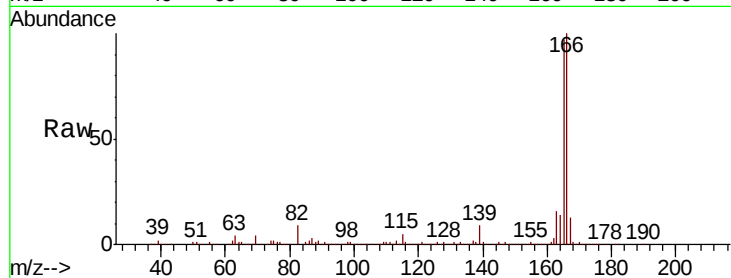
Tot Ion:166 Resp: 250122

Ion Ratio Lower Upper

166 100

165 97.0 78.8 118.2

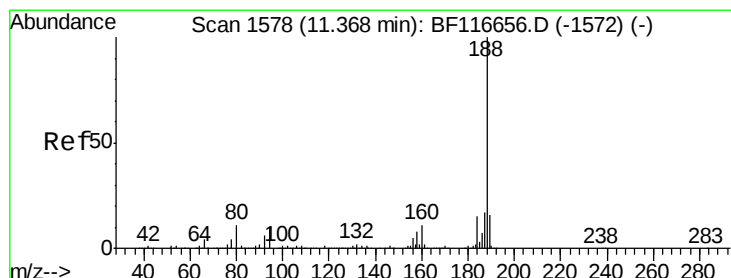
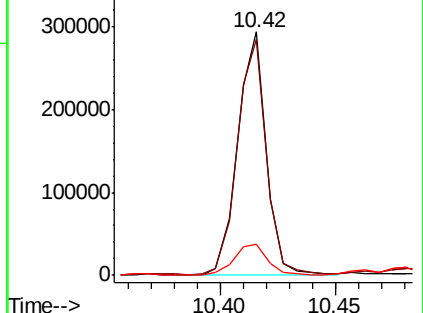
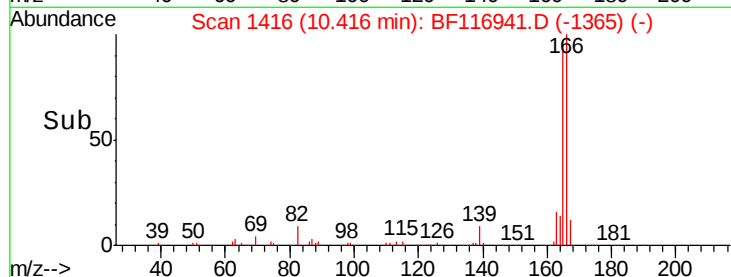
167 13.0 10.0 15.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1575

Delta R.T. 0.00 min

Lab File: BF116941.D

Acq: 11 Sep 2019 00:14

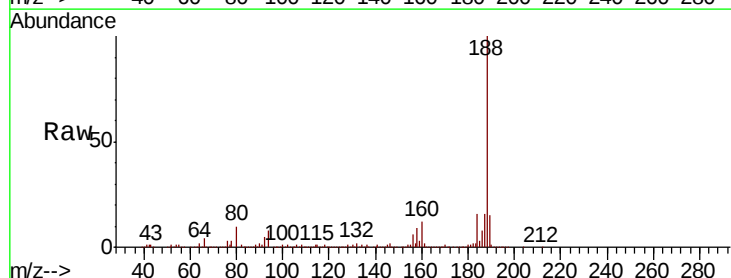
Tgt Ion:188 Resp: 247448

Ion Ratio Lower Upper

188 100

94 8.4 7.3 10.9

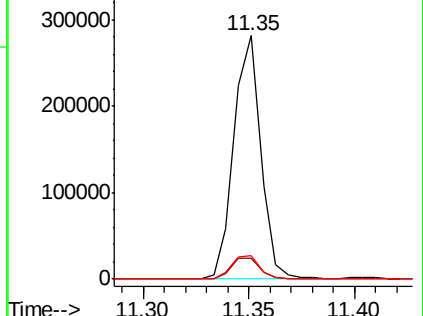
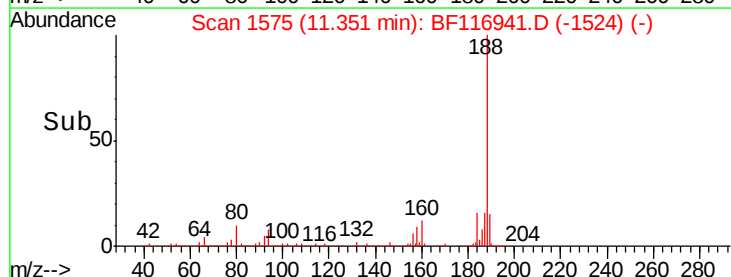
80 9.6 8.4 12.6

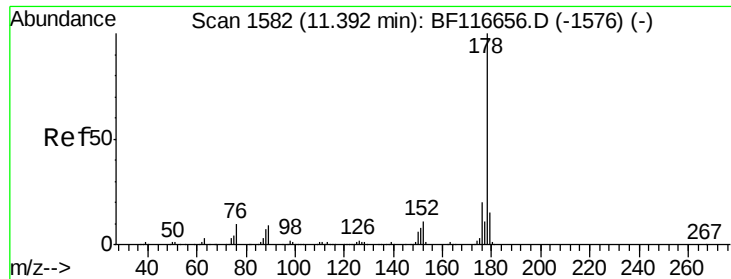


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 19.428 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF116941.D

Acq: 11 Sep 2019 00:14

Instrument :

BNA_F

ClientSampleId :

MW-4ADL

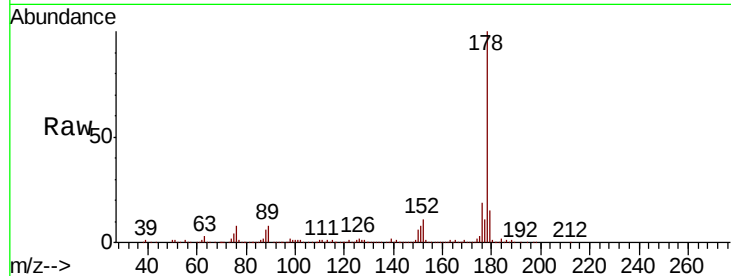
Tot Ion:178 Resp: 267606

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

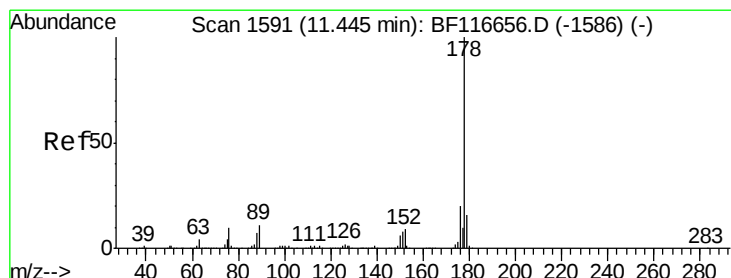
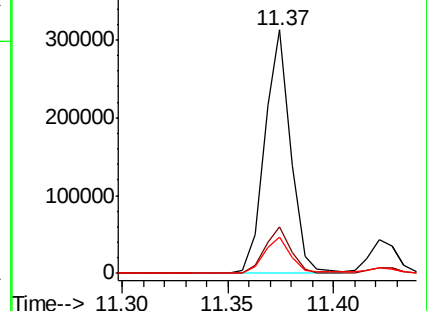
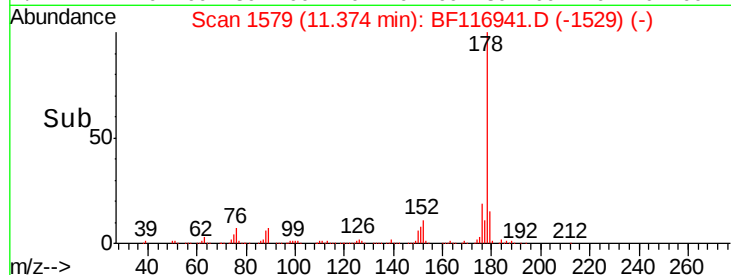
179 15.1 12.2 18.2



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



#72

Anthracene

Concen: 2.724 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF116941.D

Acq: 11 Sep 2019 00:14

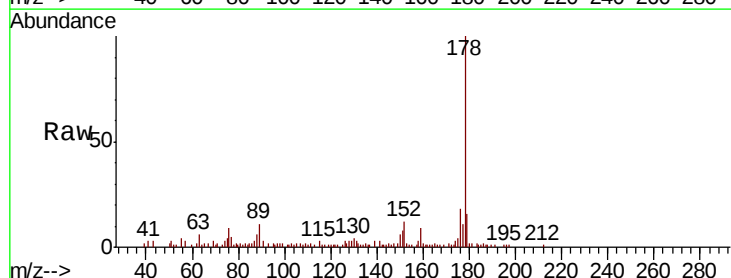
Tgt Ion:178 Resp: 37766

Ion Ratio Lower Upper

178 100

176 17.8 15.4 23.0

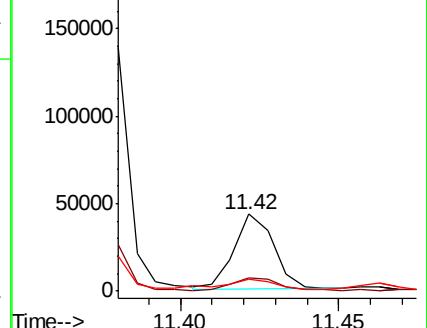
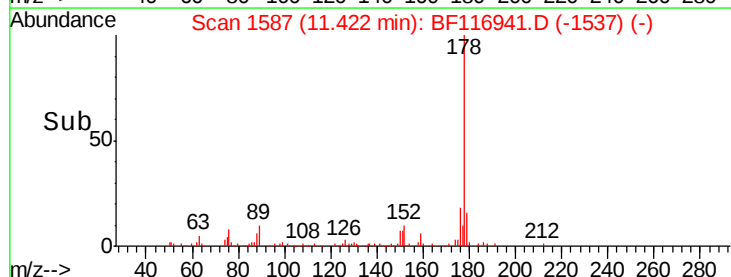
179 15.6 12.5 18.7

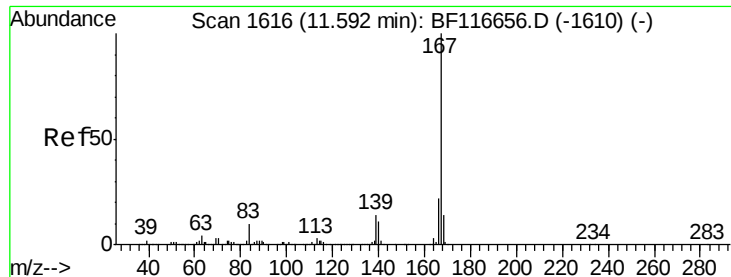


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 5.168 ng

RT: 11.58 min Scan# 1614

Delta R.T. 0.00 min

Lab File: BF116941.D

Acq: 11 Sep 2019 00:14

Instrument :

BNA_F

ClientSampleId :

MW-4ADL

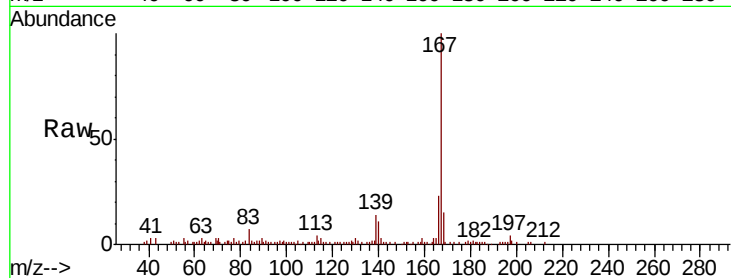
Tot Ion:167 Resp: 68263

Ion Ratio Lower Upper

167 100

166 23.0 17.8 26.6

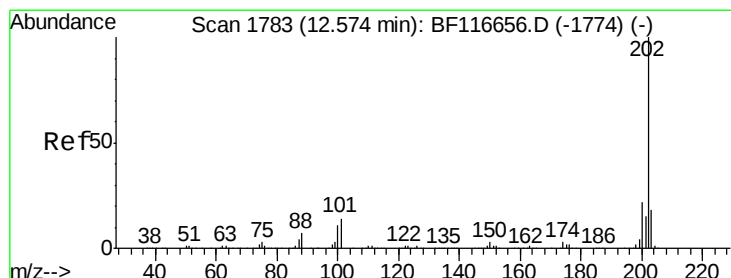
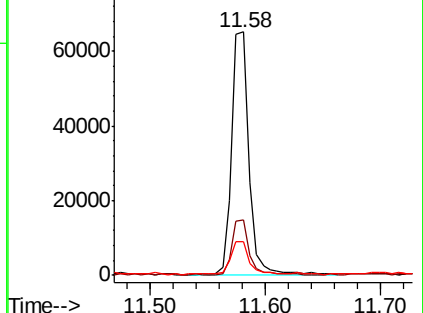
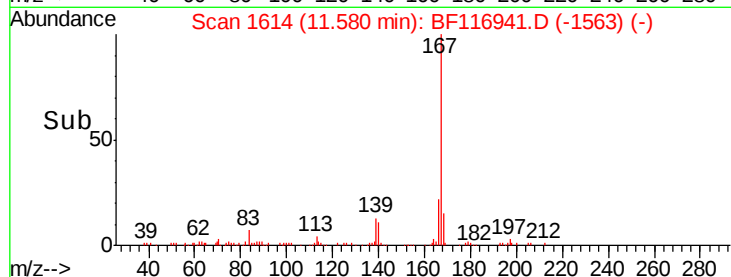
139 13.9 11.1 16.7



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Fluoranthene

Concen: 2.164 ng

RT: 12.56 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BF116941.D

Acq: 11 Sep 2019 00:14

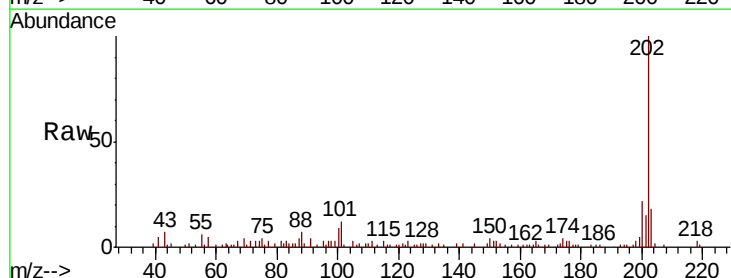
Tgt Ion:202 Resp: 29292

Ion Ratio Lower Upper

202 100

101 11.6 0.0 31.3

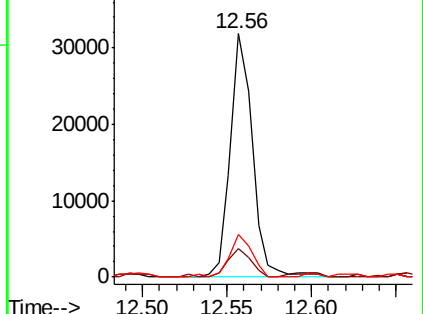
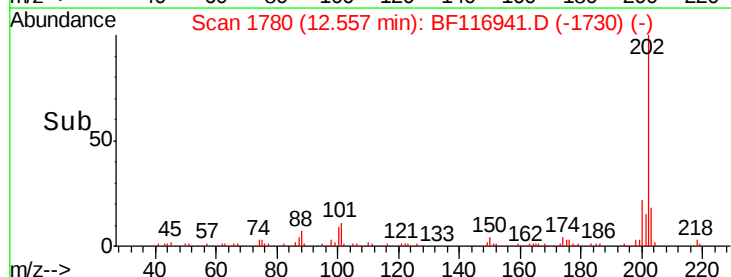
203 17.8 0.0 37.6

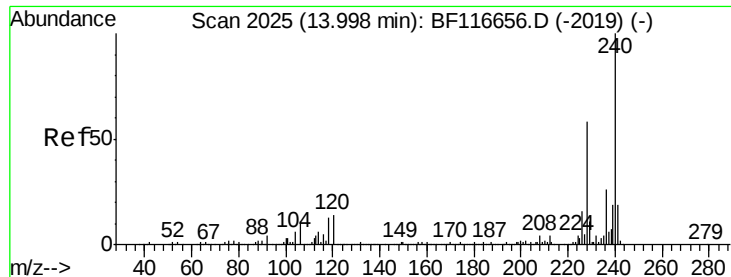


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

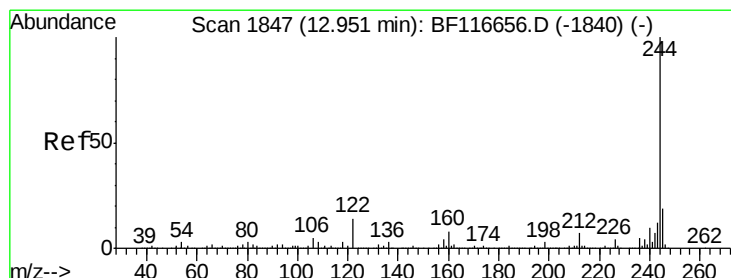
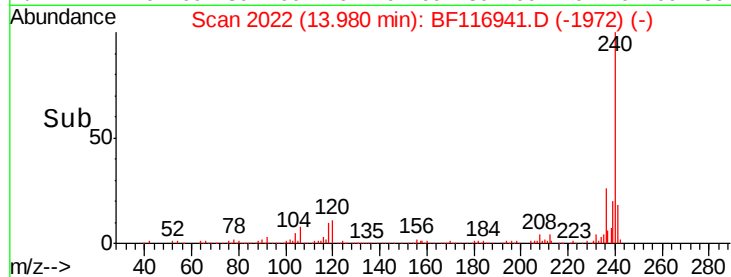
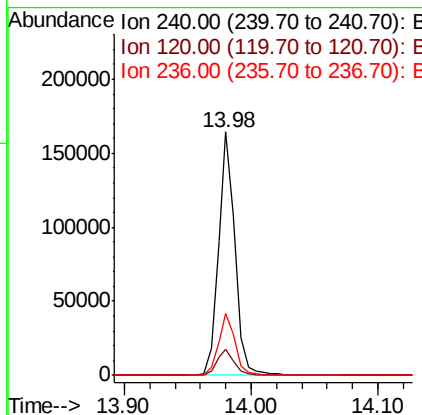
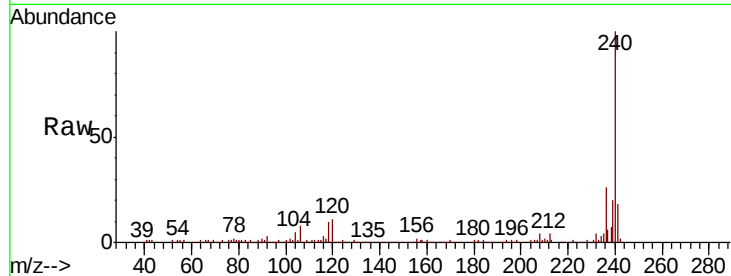




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF116941.D
 Acq: 11 Sep 2019 00:14

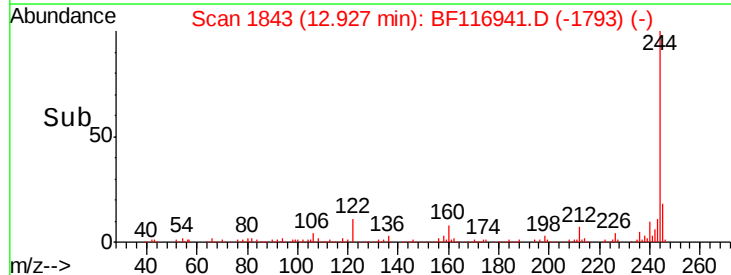
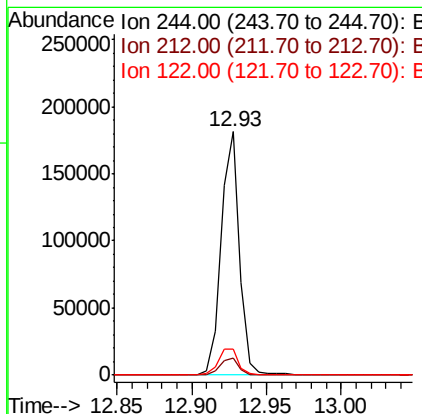
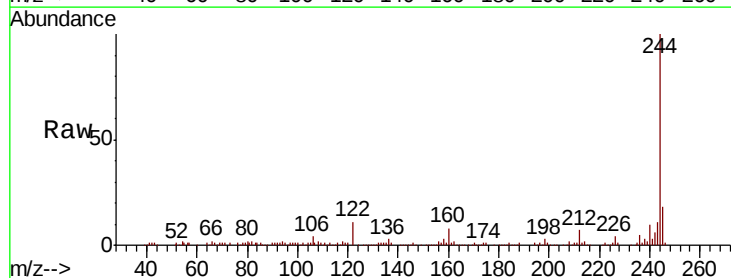
Instrument :
 BNA_F
 ClientSampleId :
 MW-4ADL

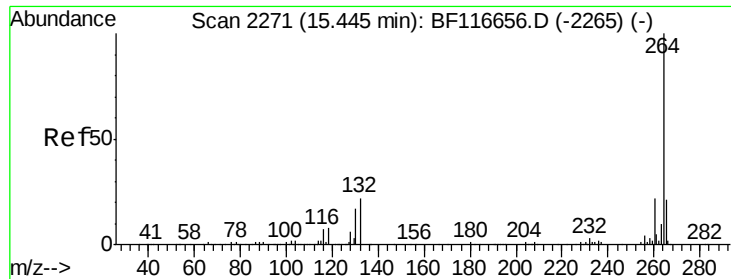
Tot Ion:240 Resp: 149609
 Ion Ratio Lower Upper
 240 100
 120 10.9 9.1 13.7
 236 25.6 21.1 31.7



#79
 Terphenyl-d14
 Concen: 19.354 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF116941.D
 Acq: 11 Sep 2019 00:14

Tgt Ion:244 Resp: 156524
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.1 9.1
 122 10.9 10.2 15.4





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.00 min
 Lab File: BF116941.D
 Acq: 11 Sep 2019 00:14

Instrument :
 BNA_F
 ClientSampleId :
 MW-4ADL

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.0	18.3	27.5
265	21.3	16.5	24.7

