

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070219\
 Data File : BF115378.D
 Acq On : 2 Jul 2019 23:33
 Operator : HP/JU
 Sample : K3605-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW27S-GW

Quant Time: Jul 03 07:08:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 05:26:43 2019
 Response via : Initial Calibration

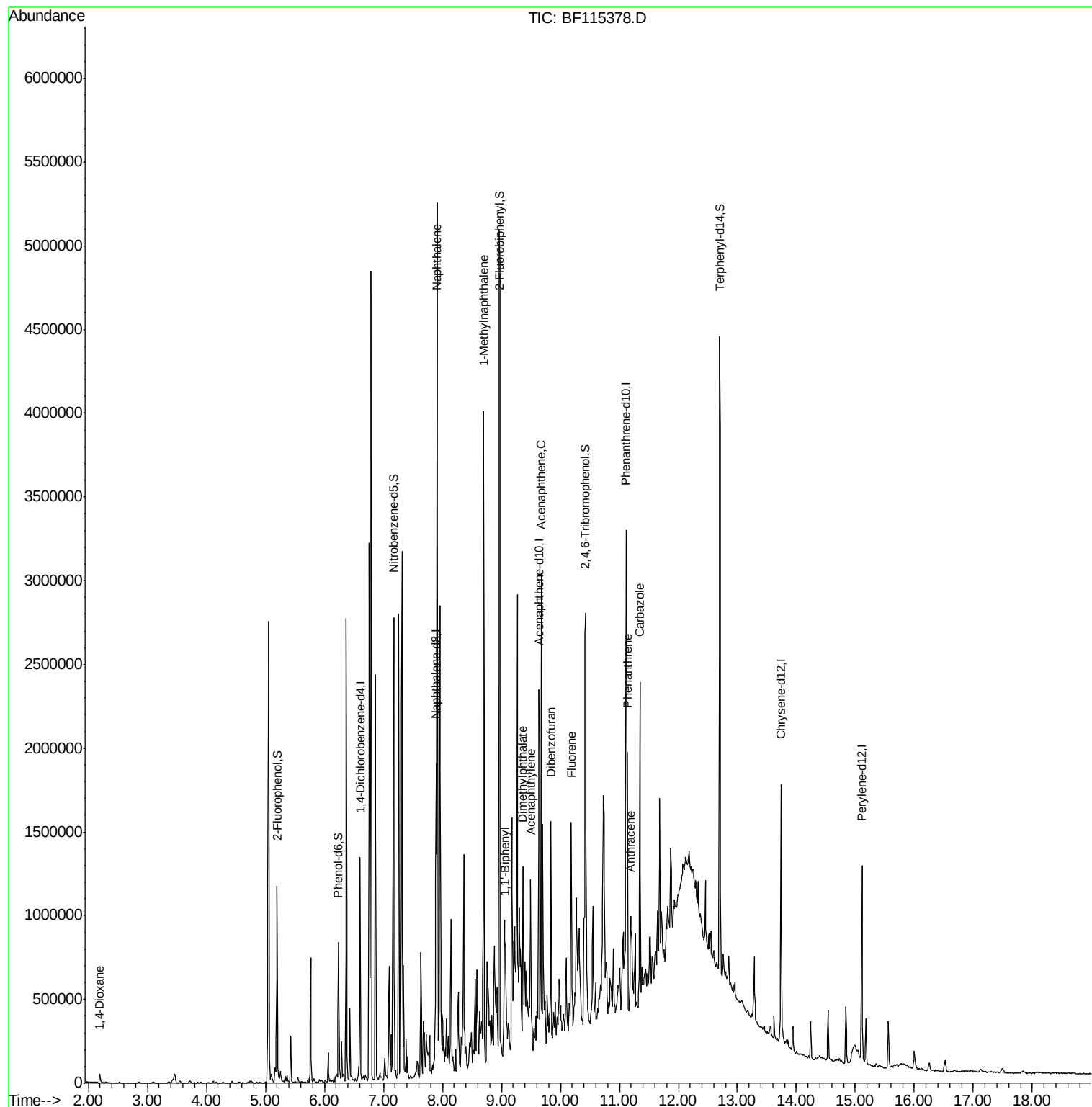
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	217025	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	822923	20.00	ng	0.00
39) Acenaphthene-d10	9.64	164	390611	20.00	ng	0.01
64) Phenanthrene-d10	11.11	188	698436	20.00	ng	0.02
76) Chrysene-d12	13.74	240	460373	20.00	ng	0.02
87) Perylene-d12	15.11	264	498650	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	363932	25.88	ng	0.00
7) Phenol-d6	6.24	99	312418	18.30	ng	0.00
23) Nitrobenzene-d5	7.17	82	886915	66.30	ng	0.00
42) 2,4,6-Tribromophenol	10.42	330	290782	70.59	ng	0.02
45) 2-Fluorobiphenyl	8.97	172	1661687	72.26	ng	0.01
79) Terphenyl-d14	12.70	244	1375953	63.55	ng	0.02
Target Compounds						
2) 1,4-Dioxane	2.19	88	25125	3.785	ng	97
31) Naphthalene	7.91	128	2338162	57.882	ng	99
38) 1-Methylnaphthalene	8.70	142	972080	37.369	ng	100
46) 1,1'-Biphenyl	9.07	154	96121	3.075	ng	98
49) Acenaphthylene	9.50	152	87458	2.214	ng	# 90
50) Dimethylphthalate	9.37	163	389063	13.538	ng	100
52) Acenaphthene	9.67	154	512065	20.717	ng	98
55) Dibenzofuran	9.84	168	437719	12.339	ng	96
58) Fluorene	10.18	166	310320	7.674	ng	97
71) Phenanthrene	11.14	178	491630	13.074	ng	98
72) Anthracene	11.19	178	104271	2.747	ng	98
73) Carbazole	11.35	167	634631	18.723	ng	97

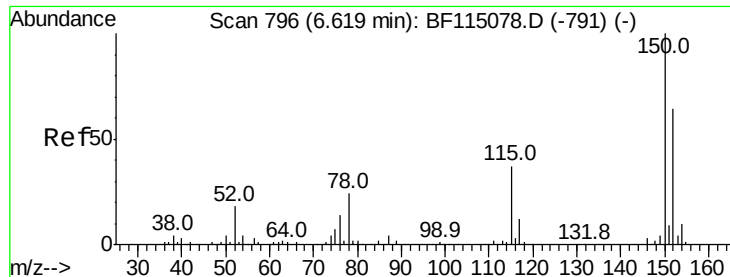
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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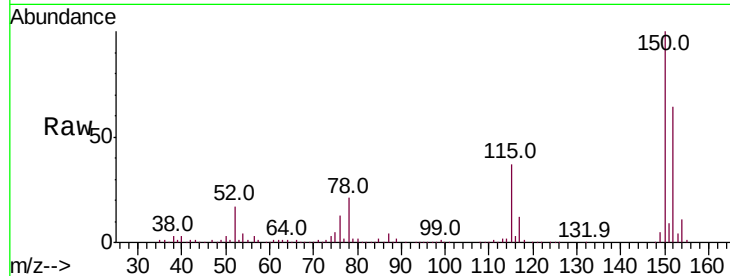


#1

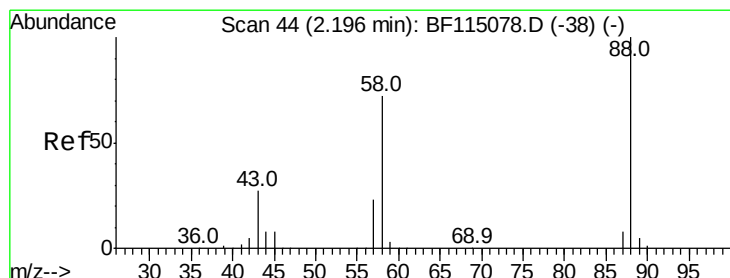
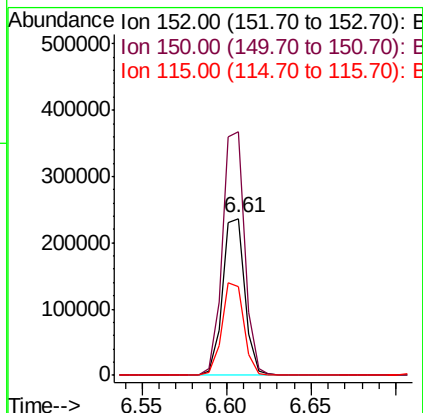
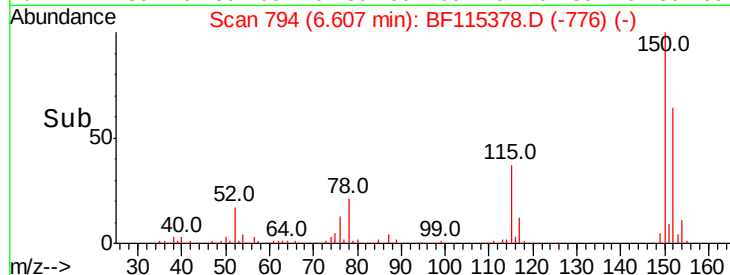
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 794
Delta R.T. 0.01 min
Lab File: BF115378.D
Acq: 2 Jul 2019 23:33

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW27S-GW

Tot Ion:152 Resp: 217025
Ion Ratio Lower Upper
152 100
150 155.4 124.2 186.2
115 56.9 46.1 69.1



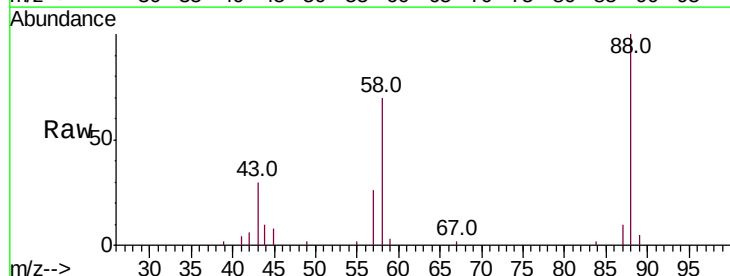
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



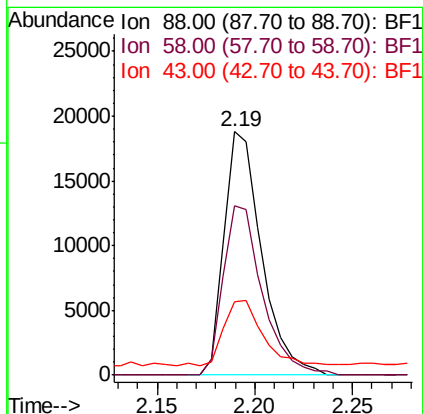
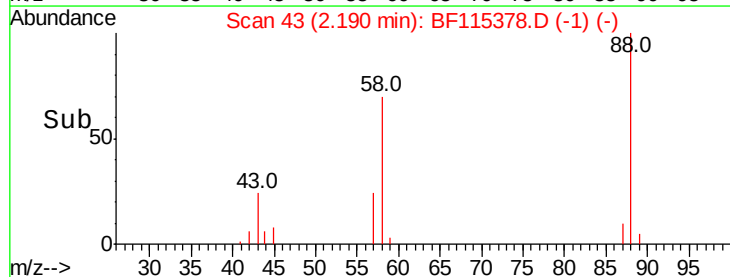
#2

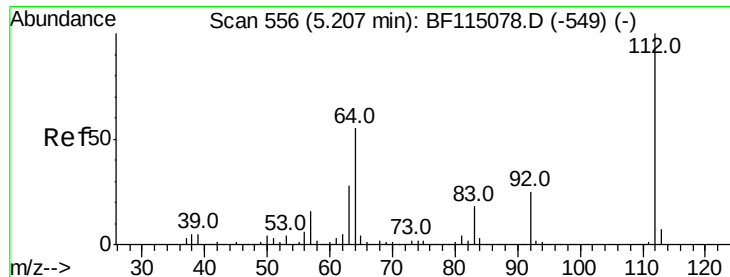
1,4-Dioxane
Concen: 3.785 ng
RT: 2.19 min Scan# 43
Delta R.T. 0.04 min
Lab File: BF115378.D
Acq: 2 Jul 2019 23:33

Tgt Ion: 88 Resp: 25125
Ion Ratio Lower Upper
88 100
58 72.4 56.1 84.1
43 28.1 21.3 31.9



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 25.878 ng

RT: 5.20 min Scan# 554

Delta R.T. 0.01 min

Lab File: BF115378.D

Acq: 2 Jul 2019 23:33

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW27S-GW

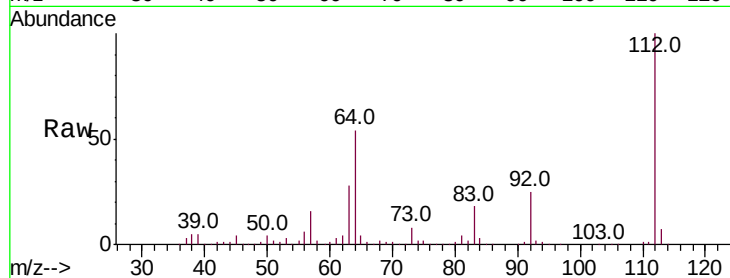
Tot Ion:112 Resp: 363932

Ion Ratio Lower Upper

112 100

64 54.3 43.8 65.6

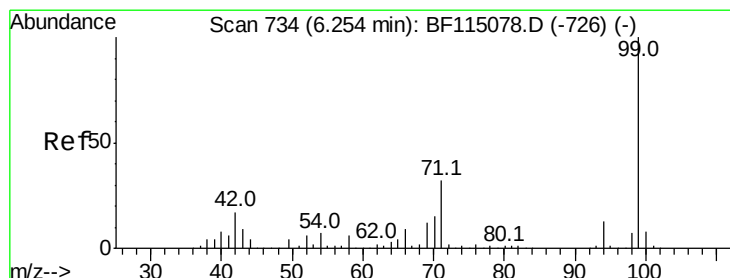
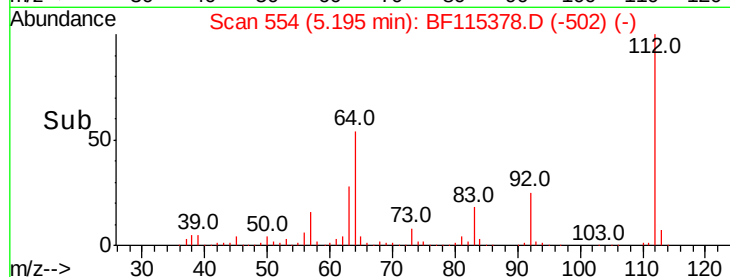
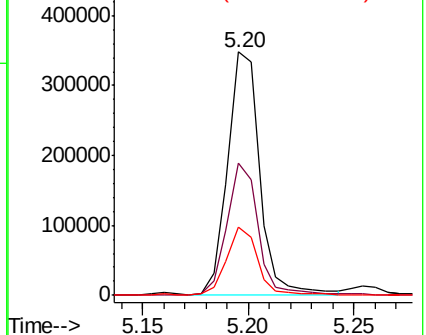
63 28.1 22.2 33.4



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: 18.302 ng

RT: 6.24 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF115378.D

Acq: 2 Jul 2019 23:33

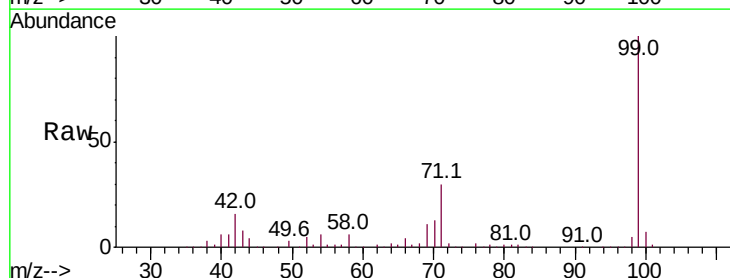
Tgt Ion: 99 Resp: 312418

Ion Ratio Lower Upper

99 100

42 16.1 13.6 20.4

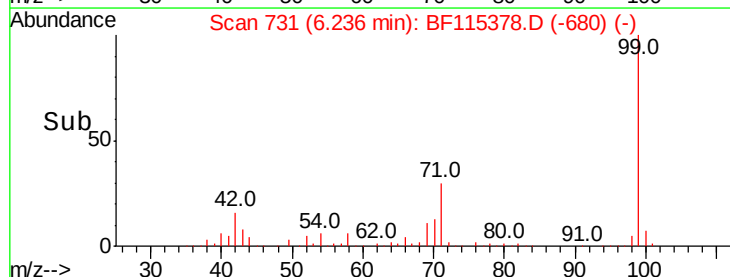
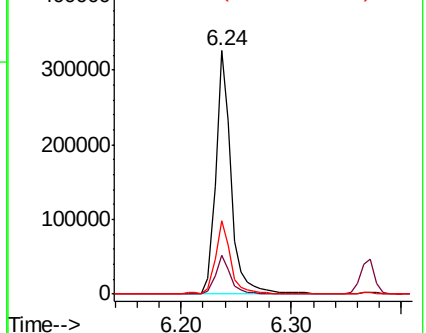
71 29.9 25.5 38.3

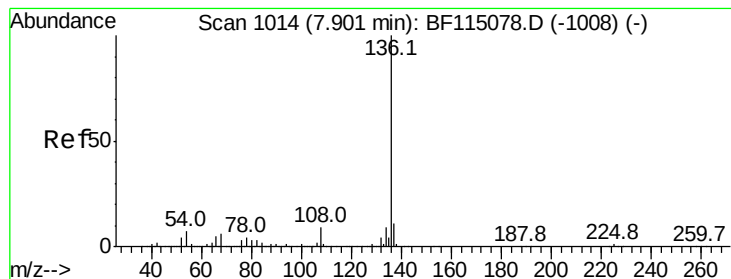


Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 7.89 min Scan# 1012

Delta R.T. 0.01 min

Lab File: BF115378.D

Acq: 2 Jul 2019 23:33

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW27S-GW

Tot Ion:136 Resp: 822923

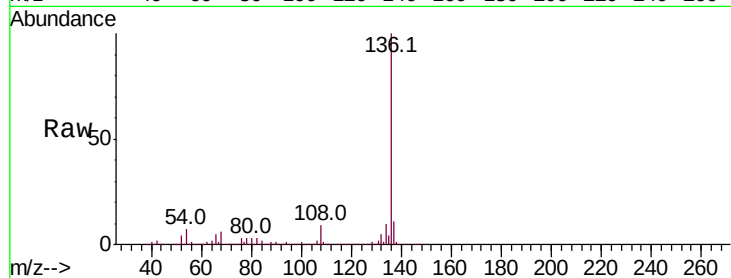
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 6.7 5.6 8.4

68 6.0 4.8 7.2

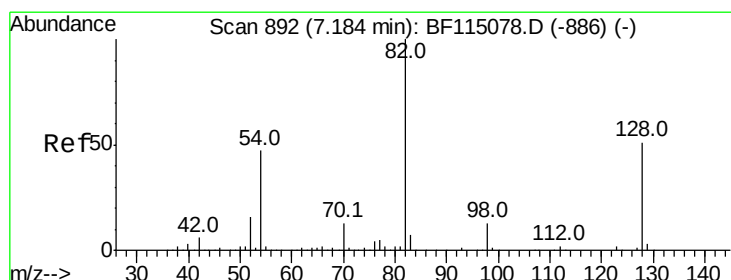
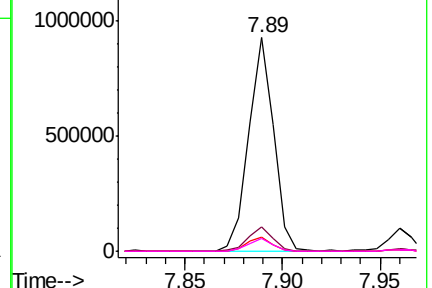
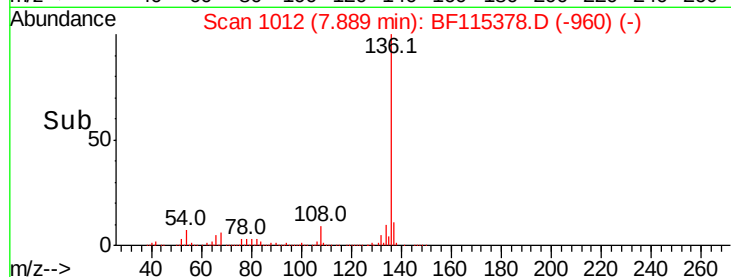


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.299 ng

RT: 7.17 min Scan# 890

Delta R.T. 0.01 min

Lab File: BF115378.D

Acq: 2 Jul 2019 23:33

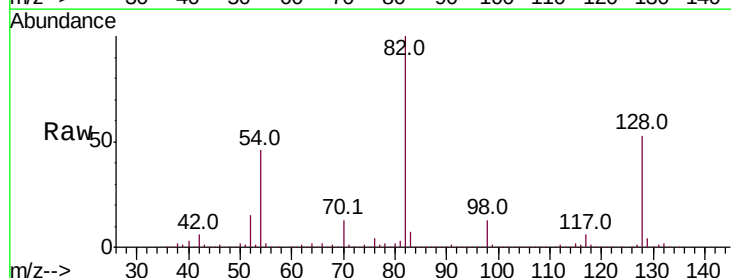
Tgt Ion: 82 Resp: 886915

Ion Ratio Lower Upper

82 100

128 53.2 40.4 60.6

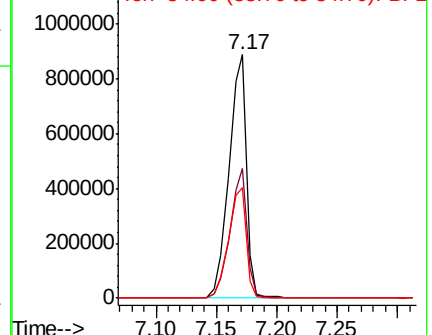
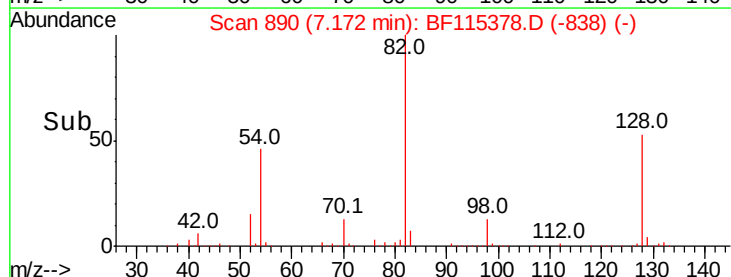
54 45.6 37.5 56.3

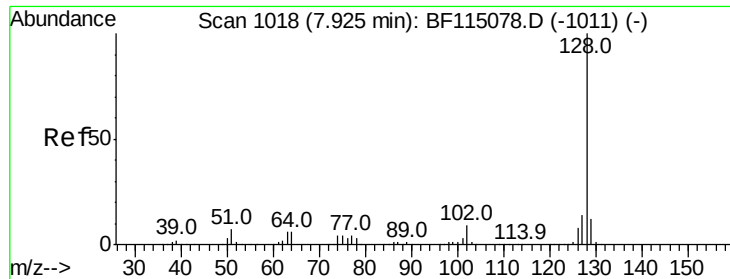


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

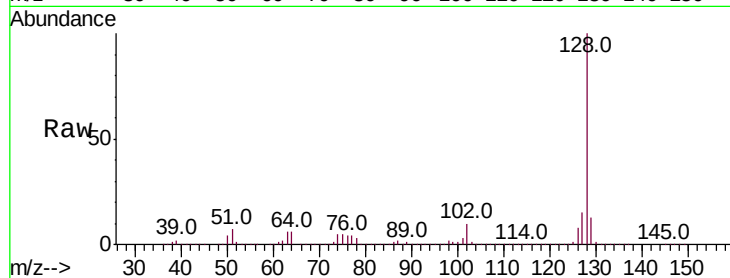




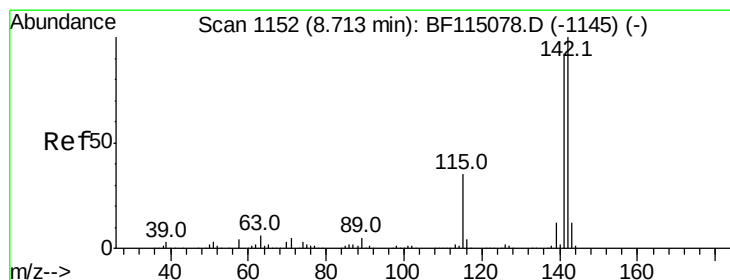
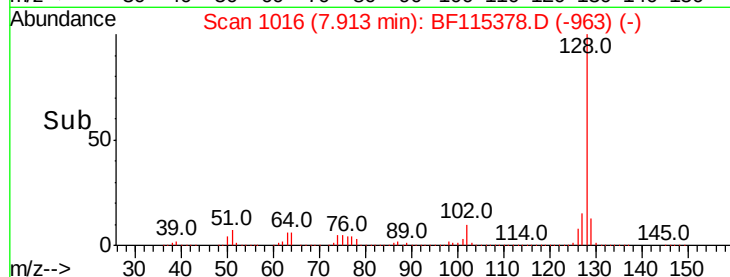
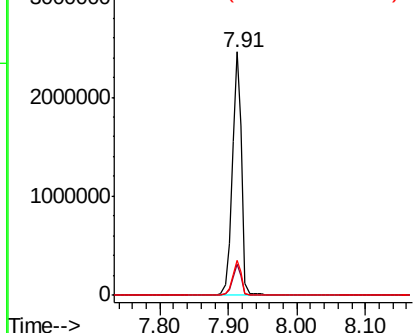
#31
Naphthalene
Concen: 57.882 ng
RT: 7.91 min Scan# 1016
Delta R.T. 0.01 min
Lab File: BF115378.D
Acq: 2 Jul 2019 23:33

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW27S-GW

Tot Ion:128 Resp: 2338162
Ion Ratio Lower Upper
128 100
129 12.6 9.6 14.4
127 14.6 11.4 17.0

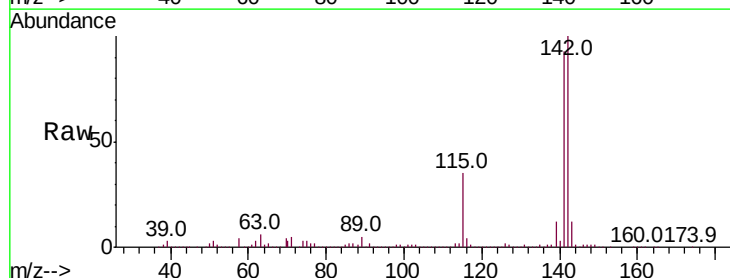


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

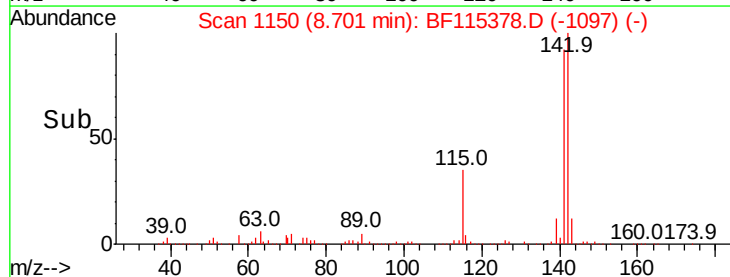
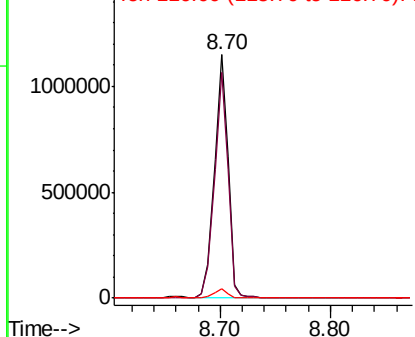


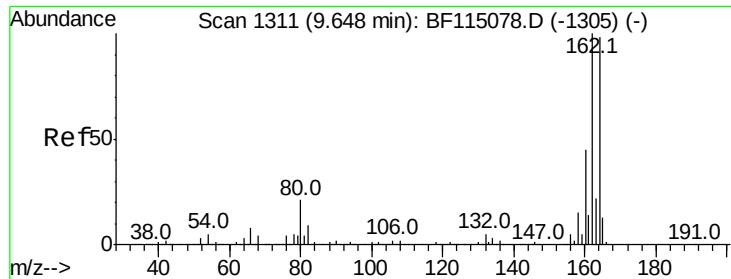
#38
1-Methylnaphthalene
Concen: 37.369 ng
RT: 8.70 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BF115378.D
Acq: 2 Jul 2019 23:33

Tgt Ion:142 Resp: 972080
Ion Ratio Lower Upper
142 100
141 92.5 73.8 110.8
116 3.8 2.8 4.2



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

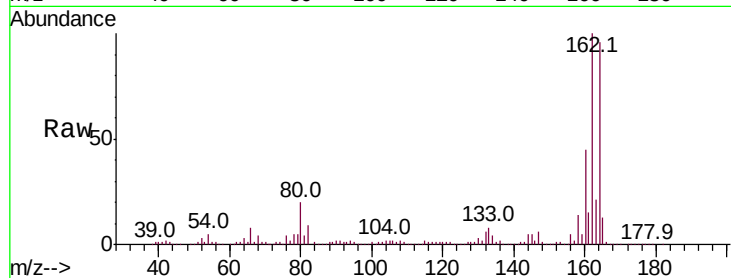




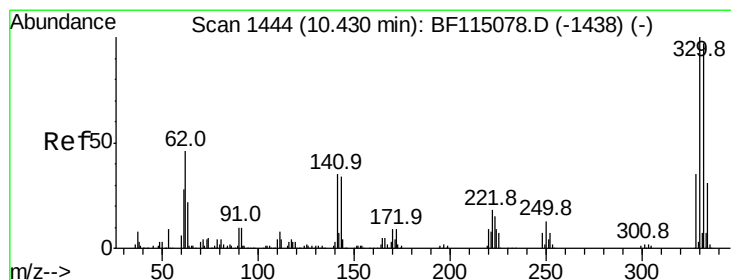
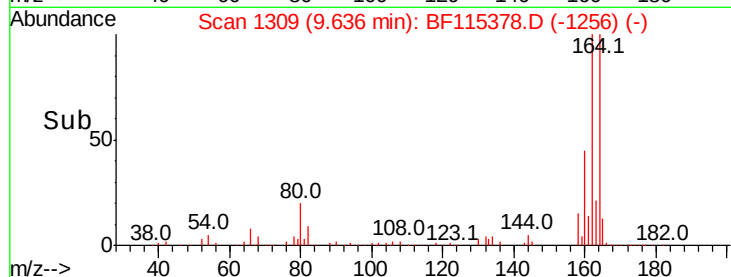
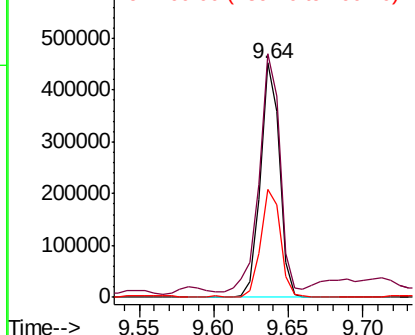
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.64 min Scan# 1309
Delta R.T. 0.01 min
Lab File: BF115378.D
Acq: 2 Jul 2019 23:33

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW27S-GW

Tot Ion:164 Resp: 390611
Ion Ratio Lower Upper
164 100
162 103.8 81.7 122.5
160 46.2 37.0 55.4

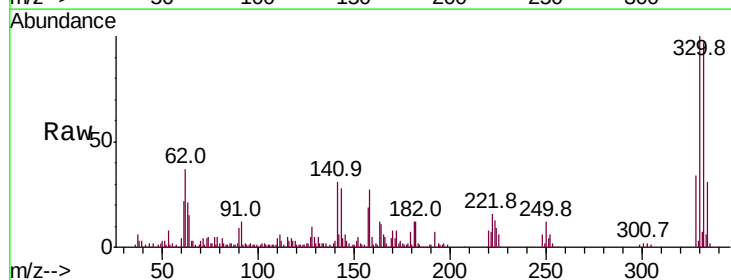


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

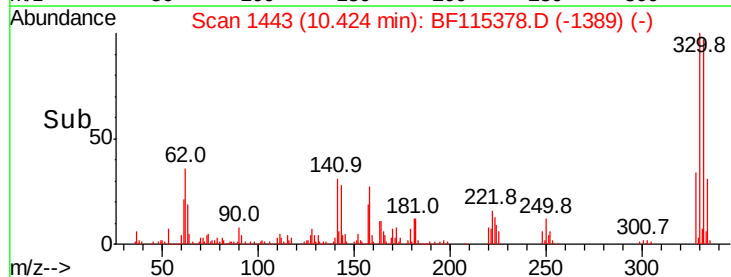
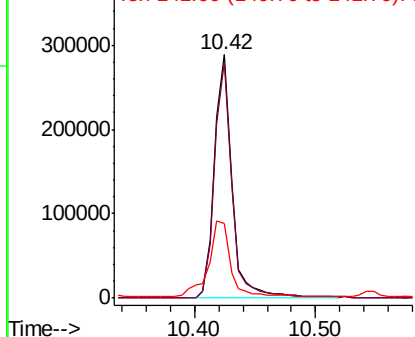


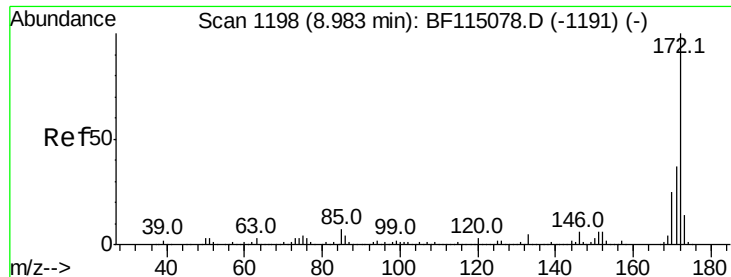
#42
2,4,6-Tribromophenol
Concen: 70.593 ng
RT: 10.42 min Scan# 1443
Delta R.T. 0.02 min
Lab File: BF115378.D
Acq: 2 Jul 2019 23:33

Tgt Ion:330 Resp: 290782
Ion Ratio Lower Upper
330 100
332 97.4 77.3 115.9
141 39.4 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



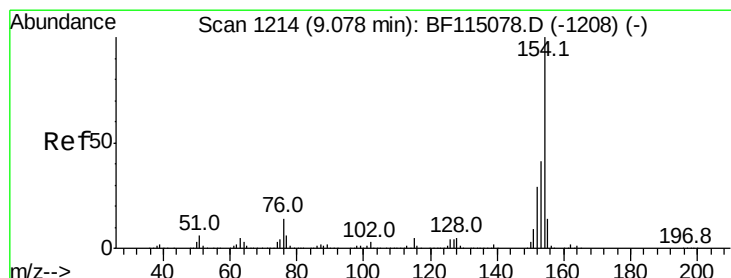
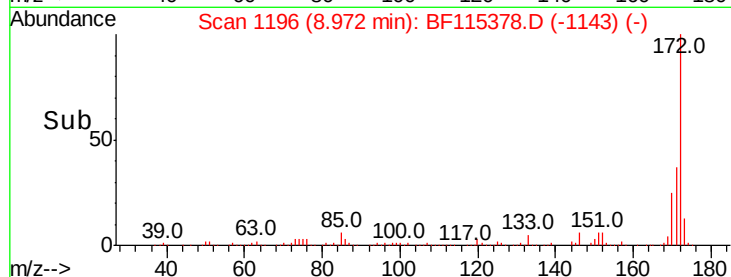
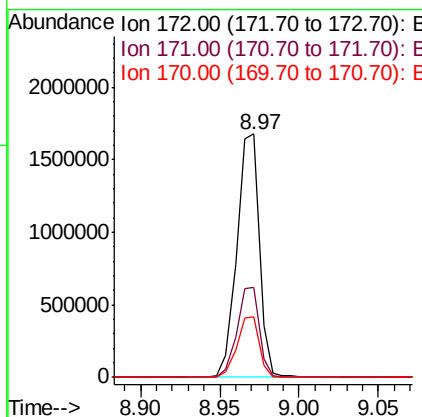
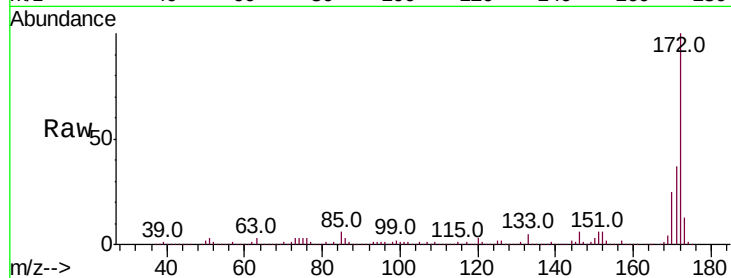


#45
 2-Fluorobiphenyl
 Concen: 72.261 ng
 RT: 8.97 min Scan# 1196
 Delta R.T. 0.01 min
 Lab File: BF115378.D
 Acq: 2 Jul 2019 23:33

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW27S-GW

Tot Ion:172 Resp: 1661687

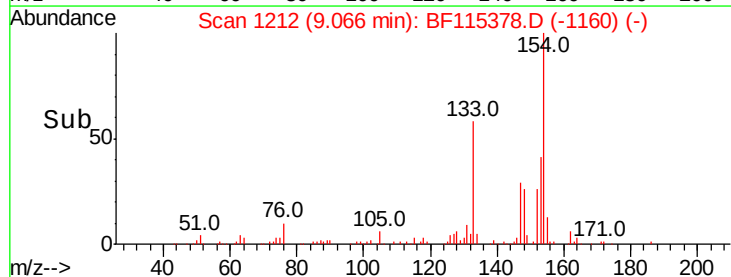
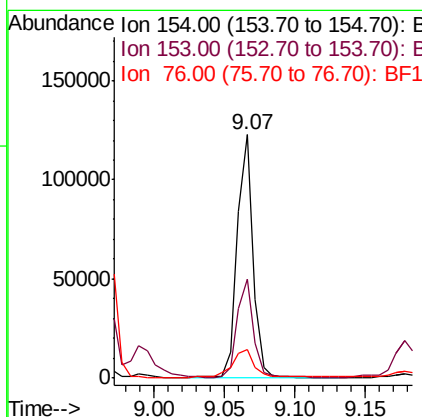
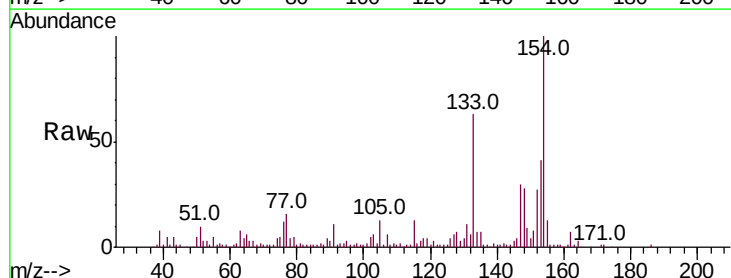
Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.8	44.6
170	24.7	20.3	30.5

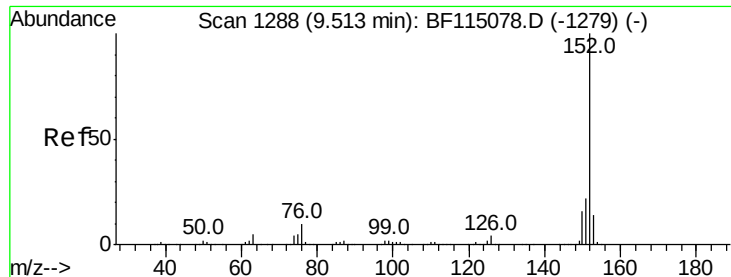


#46
 1,1'-Biphenyl
 Concen: 3.075 ng
 RT: 9.07 min Scan# 1212
 Delta R.T. 0.01 min
 Lab File: BF115378.D
 Acq: 2 Jul 2019 23:33

Tgt Ion:154 Resp: 96121

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.9	60.9
76	11.8	0.0	34.1

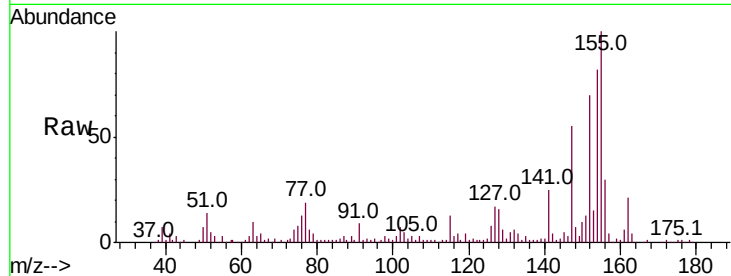




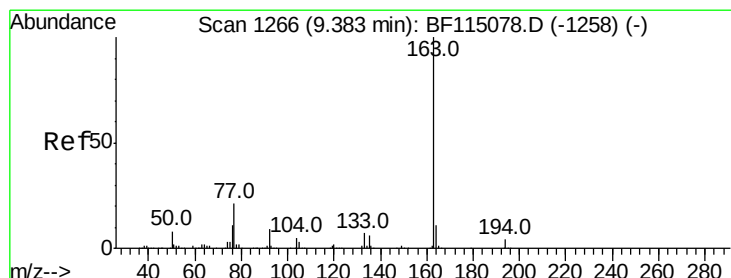
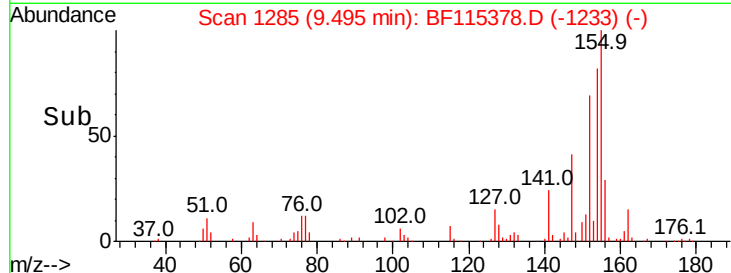
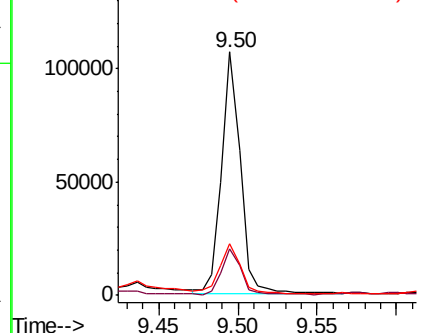
#49
Acenaphthylene
Concen: 2.214 ng
RT: 9.50 min Scan# 1285
Delta R.T. 0.01 min
Lab File: BF115378.D
Acq: 2 Jul 2019 23:33

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW27S-GW

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.0	17.2	25.8
153	21.1	11.0	16.6

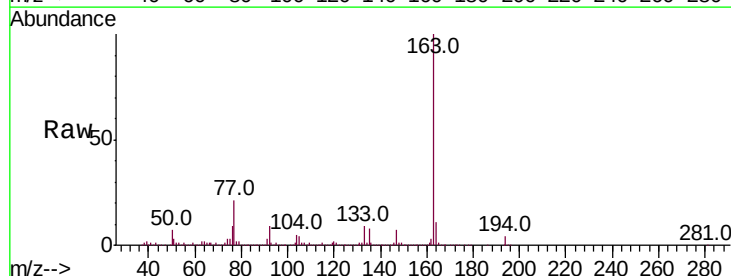


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

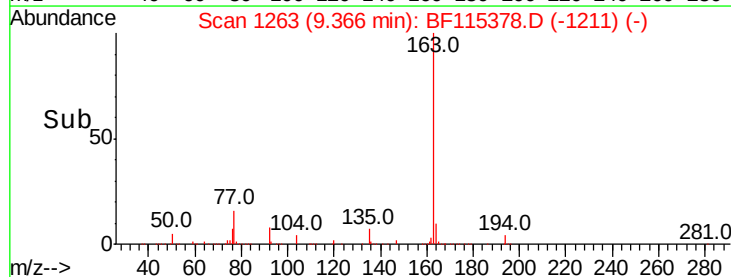
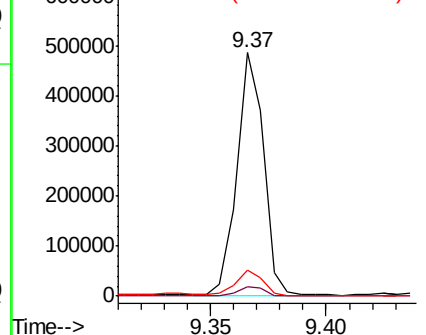


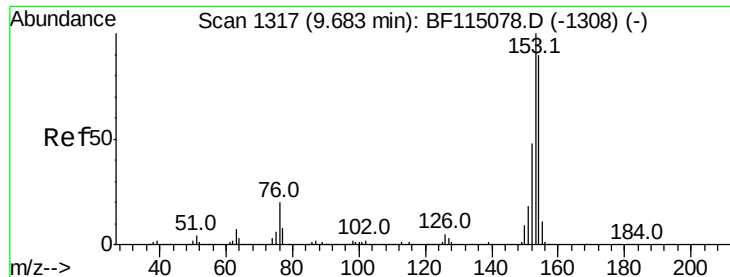
#50
Dimethylphthalate
Concen: 13.538 ng
RT: 9.37 min Scan# 1263
Delta R.T. 0.01 min
Lab File: BF115378.D
Acq: 2 Jul 2019 23:33

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.2	4.8
164	10.7	8.6	13.0



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





#52

Acenaphthene

Concen: 20.717 ng

RT: 9.67 min Scan# 1315

Delta R.T. 0.01 min

Lab File: BF115378.D

Acq: 2 Jul 2019 23:33

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW27S-GW

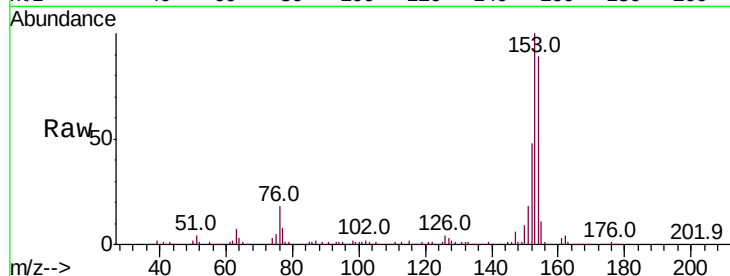
Tot Ion:154 Resp: 512065

Ion Ratio Lower Upper

154 100

153 112.8 88.7 133.1

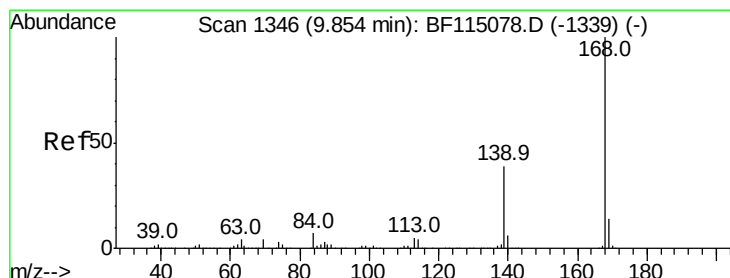
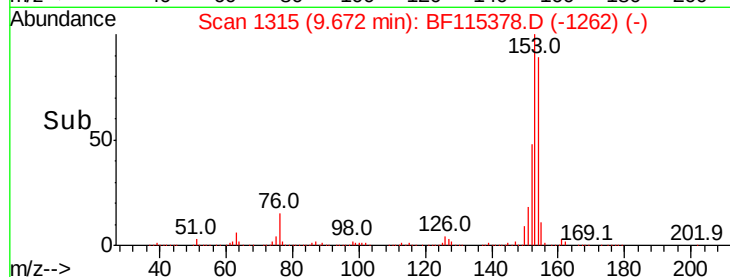
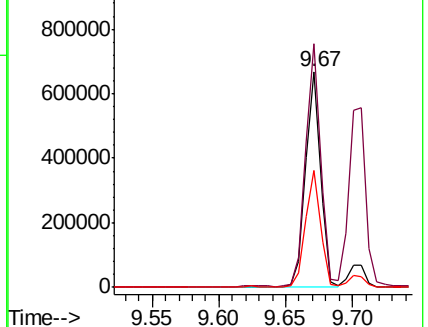
152 54.4 42.6 64.0



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: 12.339 ng

RT: 9.84 min Scan# 1344

Delta R.T. 0.01 min

Lab File: BF115378.D

Acq: 2 Jul 2019 23:33

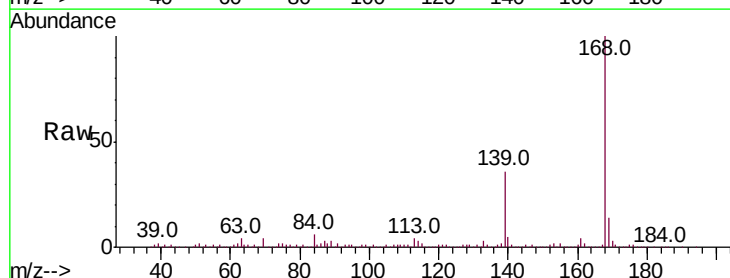
Tgt Ion:168 Resp: 437719

Ion Ratio Lower Upper

168 100

139 36.1 31.1 46.7

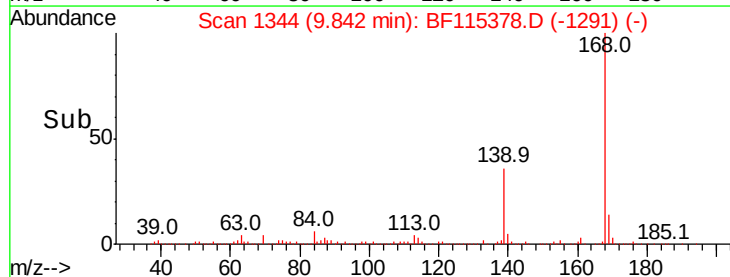
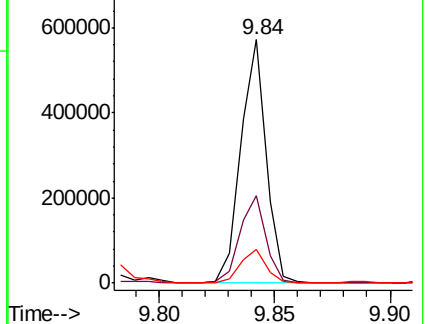
169 13.8 11.3 16.9

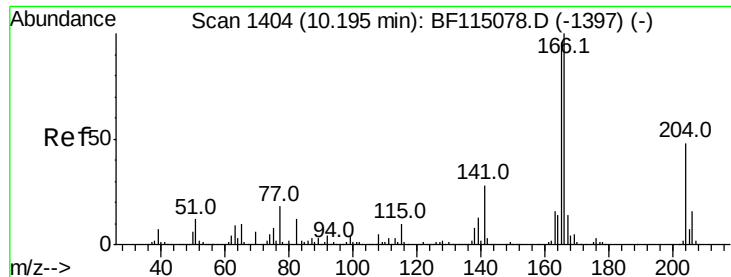


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

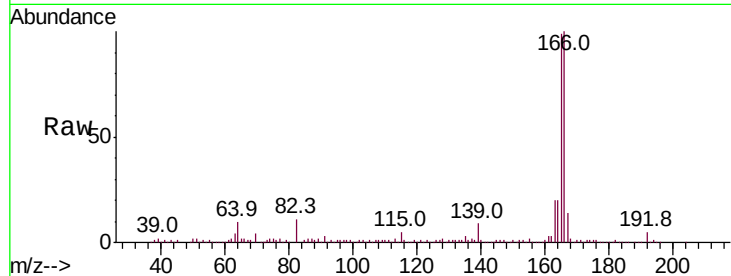




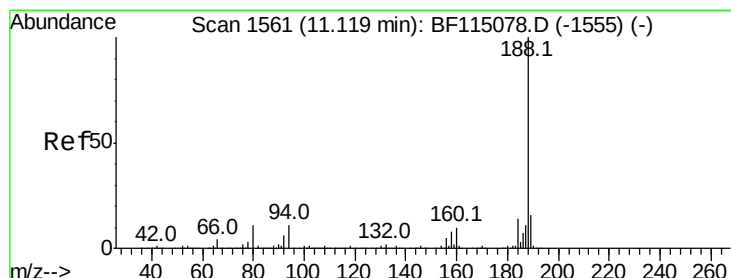
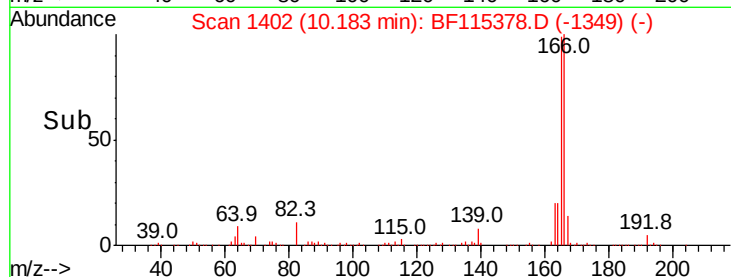
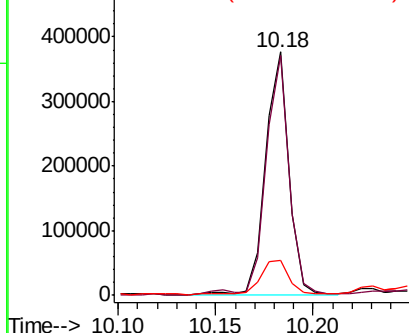
#58
 Fluorene
 Concen: 7.674 ng
 RT: 10.18 min Scan# 1402
 Delta R.T. 0.01 min
 Lab File: BF115378.D
 Acq: 2 Jul 2019 23:33

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW27S-GW

Tot Ion:166 Resp: 310320
 Ion Ratio Lower Upper
 166 100
 165 98.6 76.5 114.7
 167 14.4 11.0 16.4

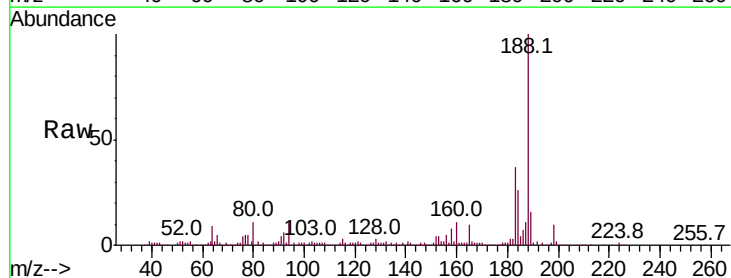


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

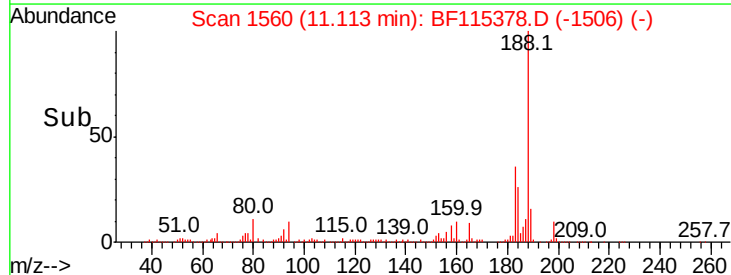
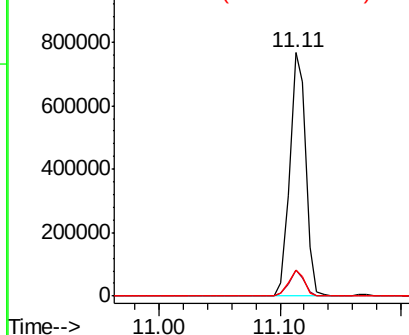


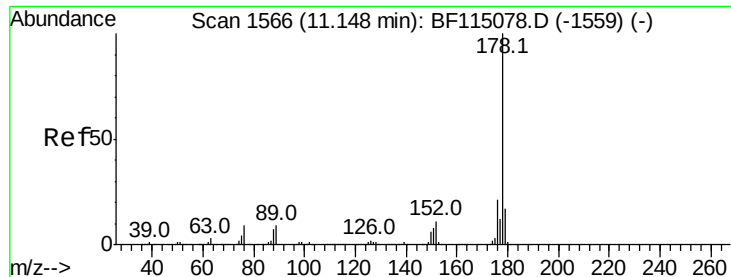
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.11 min Scan# 1560
 Delta R.T. 0.02 min
 Lab File: BF115378.D
 Acq: 2 Jul 2019 23:33

Tgt Ion:188 Resp: 698436
 Ion Ratio Lower Upper
 188 100
 94 10.6 8.6 12.8
 80 10.8 8.8 13.2



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: 13.074 ng

RT: 11.14 min Scan# 1564

Delta R.T. 0.01 min

Lab File: BF115378.D

Acq: 2 Jul 2019 23:33

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW27S-GW

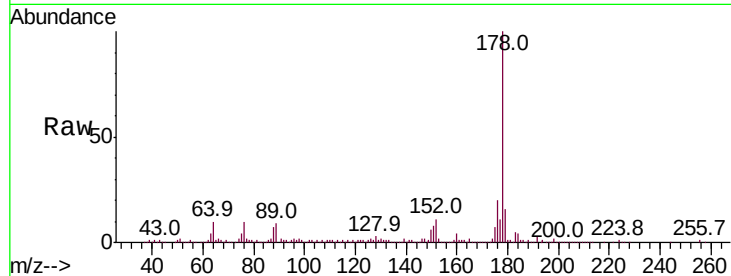
Tot Ion:178 Resp: 491630

Ion Ratio Lower Upper

178 100

176 19.9 16.9 25.3

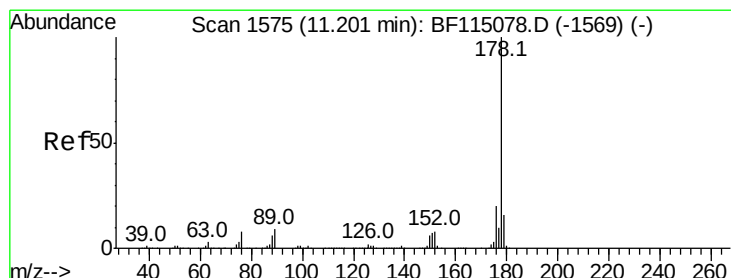
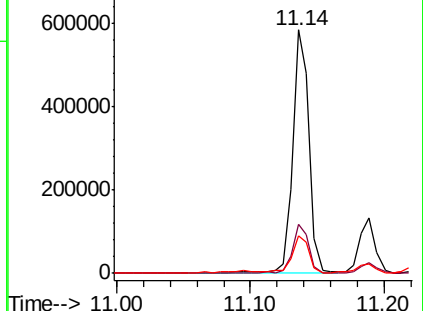
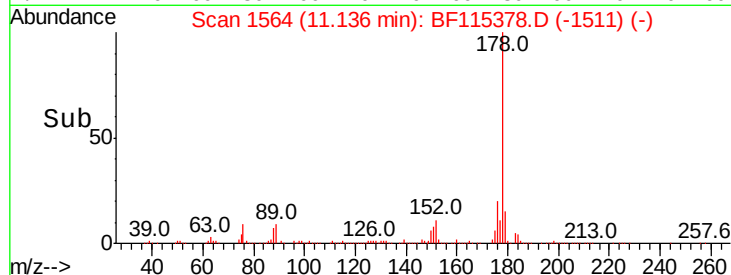
179 15.6 13.2 19.8



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: 2.747 ng

RT: 11.19 min Scan# 1573

Delta R.T. 0.02 min

Lab File: BF115378.D

Acq: 2 Jul 2019 23:33

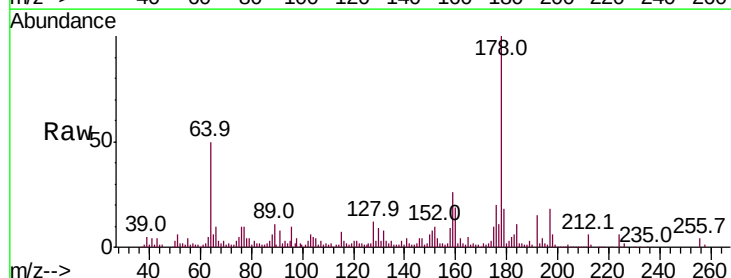
Tgt Ion:178 Resp: 104271

Ion Ratio Lower Upper

178 100

176 20.3 16.1 24.1

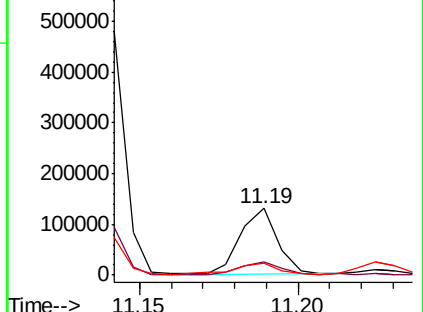
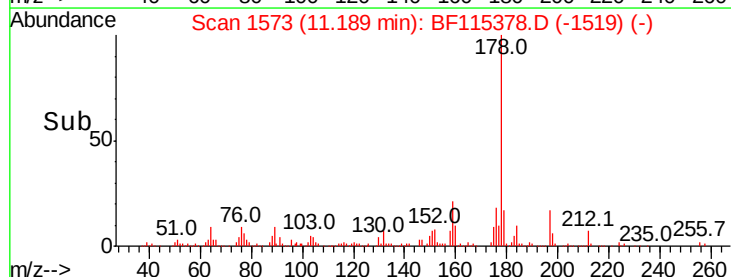
179 17.8 12.9 19.3

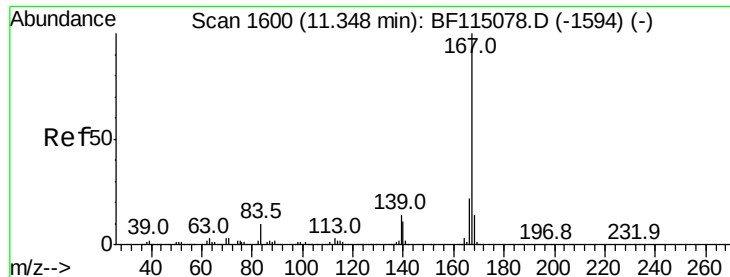


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

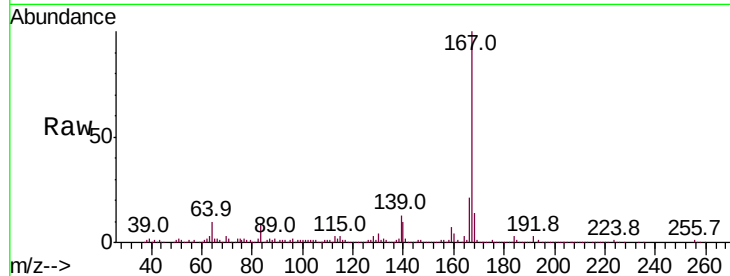




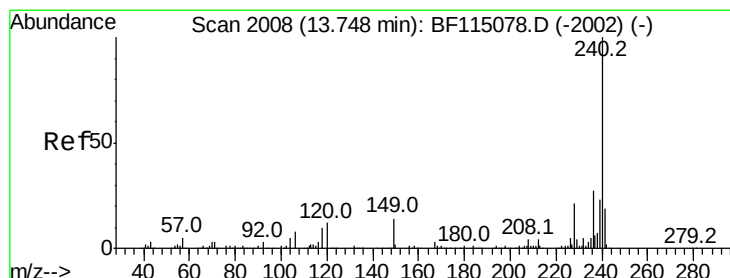
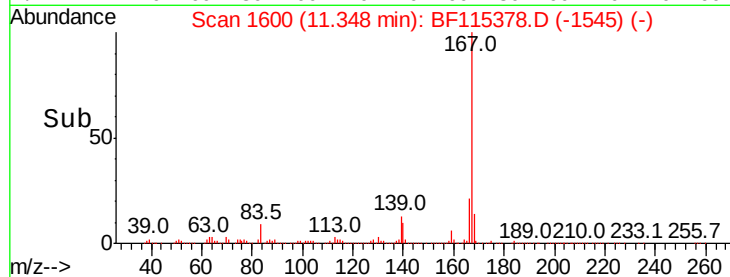
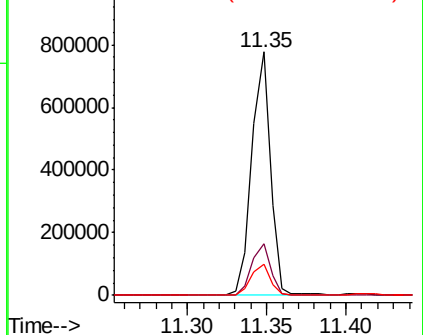
#73
 Carbazole
 Concen: 18.723 ng
 RT: 11.35 min Scan# 1600
 Delta R.T. 0.02 min
 Lab File: BF115378.D
 Acq: 2 Jul 2019 23:33

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW27S-GW

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.2	18.0	27.0
139	12.9	11.1	16.7

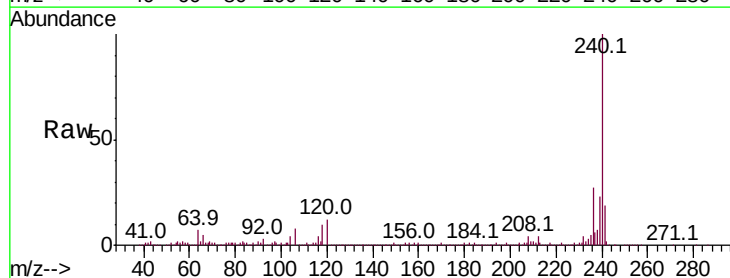


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

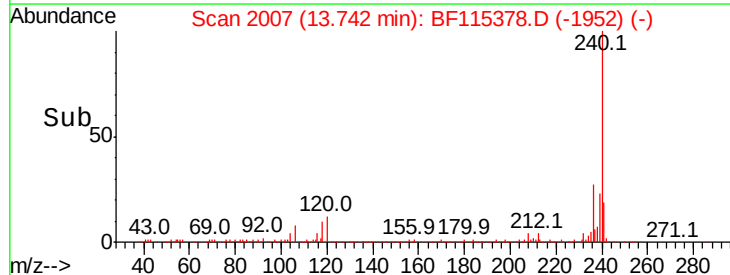
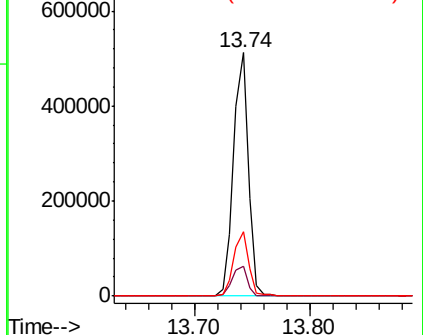


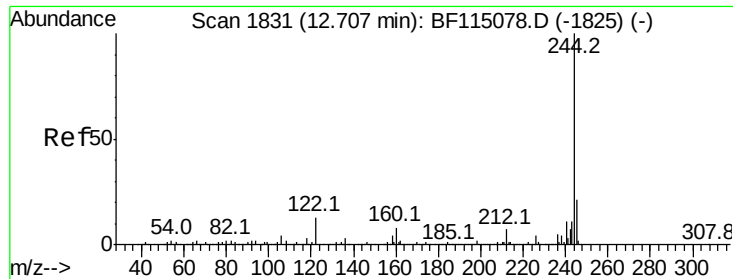
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.74 min Scan# 2007
 Delta R.T. 0.02 min
 Lab File: BF115378.D
 Acq: 2 Jul 2019 23:33

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.4	14.2
236	26.6	21.7	32.5



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: 63.546 ng

RT: 12.70 min Scan# 1830

Delta R.T. 0.02 min

Lab File: BF115378.D

Acq: 2 Jul 2019 23:33

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW27S-GW

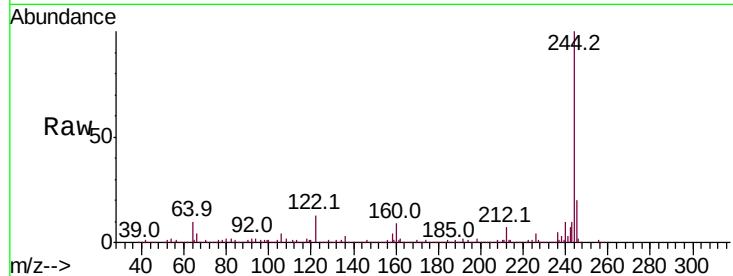
Tot Ion:244 Resp: 1375953

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

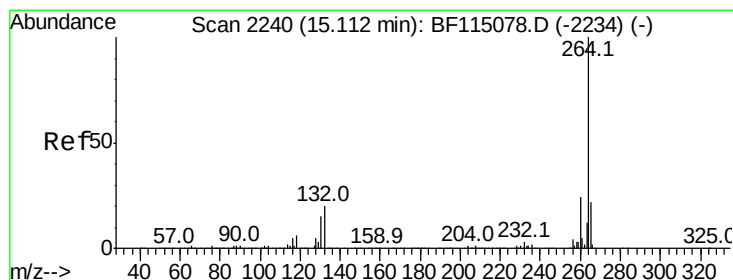
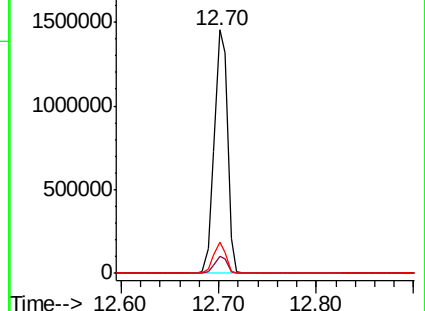
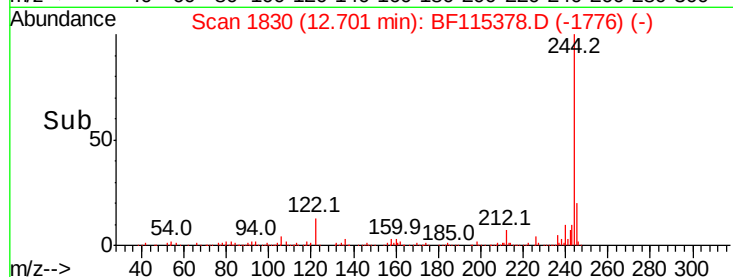
122 12.9 10.4 15.6



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: 15.11 min Scan# 2240

Delta R.T. 0.03 min

Lab File: BF115378.D

Acq: 2 Jul 2019 23:33

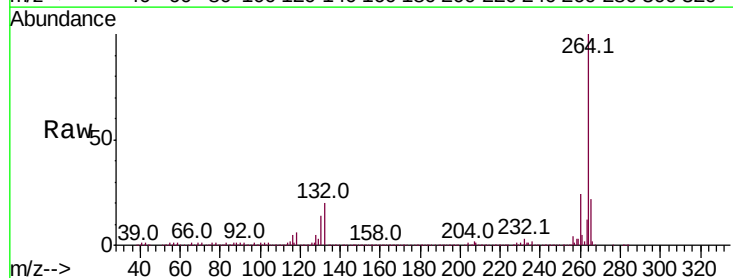
Tgt Ion:264 Resp: 498650

Ion Ratio Lower Upper

264 100

260 23.7 19.6 29.4

265 21.9 17.3 25.9



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

