

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080119\
 Data File : BF115929.D
 Acq On : 2 Aug 2019 1:28
 Operator : HP/JU
 Sample : K4049-03DL 4X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3DL

Quant Time: Aug 02 05:03:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	126882	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	502811	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	250972	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	363321	20.00	ng	0.00
76) Chrysene-d12	14.02	240	284162	20.00	ng	0.00
87) Perylene-d12	15.49	264	297858	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	172797	22.80	ng	0.00
7) Phenol-d6	6.48	99	237713	24.86	ng	0.00
23) Nitrobenzene-d5	7.41	82	143196	16.44	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	45707	18.78	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	240220	17.93	ng	0.00
79) Terphenyl-d14	12.96	244	166908	12.38	ng	0.00

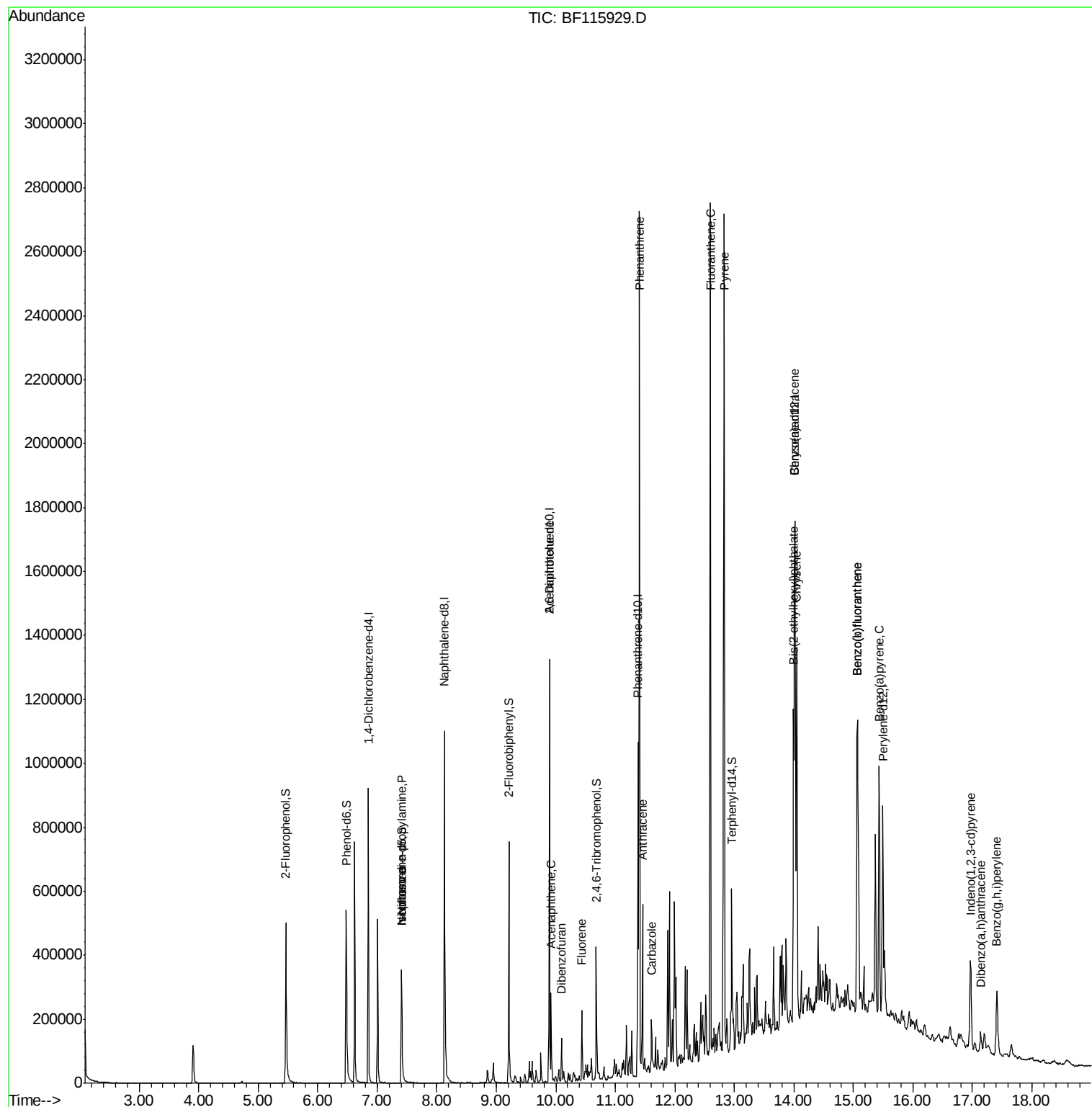
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.41	70	18331	3.093	ng	# 81
25) Isophorone	7.41	82	143209	8.598	ng	# 66
51) 2,6-Dinitrotoluene	9.89	165	33172	8.933	ng	# 28
52) Acenaphthene	9.92	154	57174	4.332	ng	99
55) Dibenzofuran	10.10	168	46588	2.427	ng	98
58) Fluorene	10.44	166	61877	4.190	ng	98
71) Phenanthrene	11.40	178	1025454	55.210	ng	99
72) Anthracene	11.46	178	196830	10.471	ng	99
73) Carbazole	11.61	167	61464	3.604	ng	99
75) Fluoranthene	12.60	202	999145	51.383	ng	99
78) Pyrene	12.83	202	1061768	49.568	ng	100
81) Benzo(a)anthracene	14.01	228	513779	28.288	ng	99
83) Chrysene	14.04	228	472140	26.776	ng	98
84) Bis(2-ethylhexyl)phthalate	13.99	149	254031	21.574	ng	99
86) Indeno(1,2,3-cd)pyrene	16.97	276	174002	11.749	ng	96
88) Benzo(b)fluoranthene	15.07	252	675183	39.204	ng	# 96
89) Benzo(k)fluoranthene	15.07	252	675183	40.250	ng	99
90) Benzo(a)pyrene	15.43	252	365713	23.754	ng	98
91) Dibenzo(a,h)anthracene	17.14	278	36776	2.760	ng	95
92) Benzo(g,h,i)perylene	17.42	276	170932	13.060	ng	97

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

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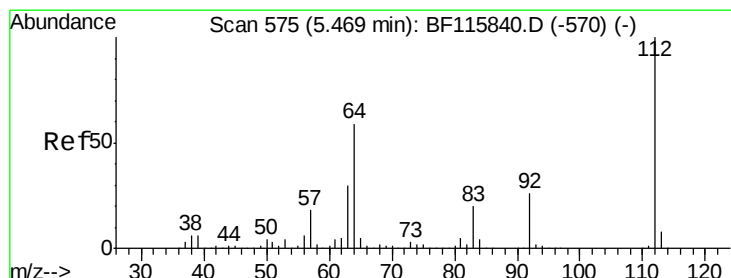
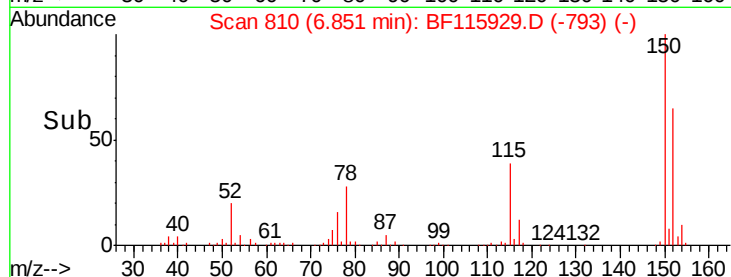
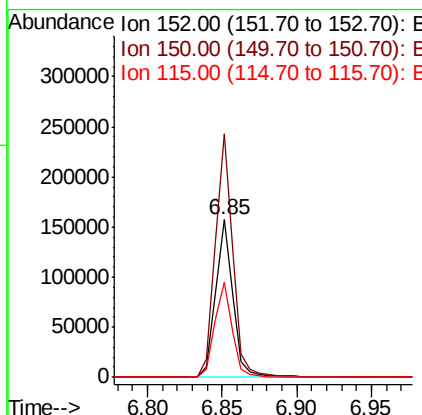
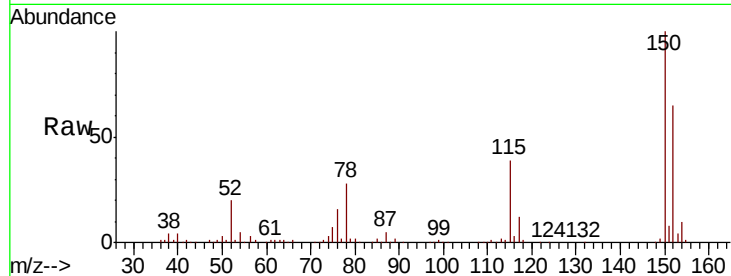




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF115929.D
 Acq: 2 Aug 2019 1:28

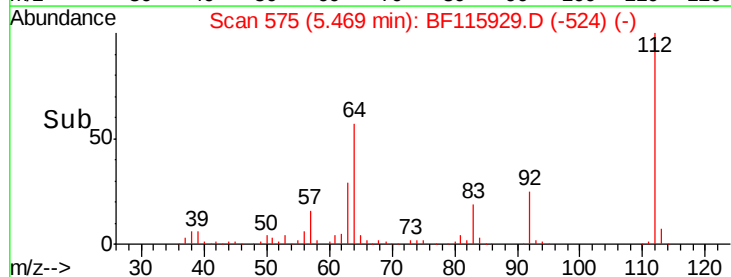
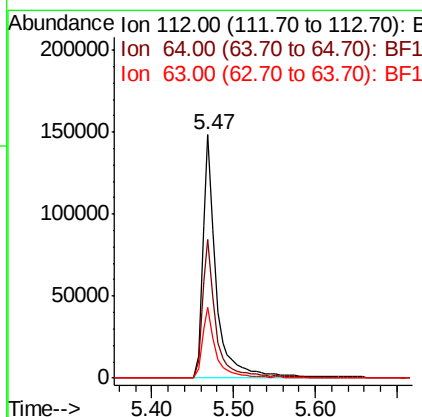
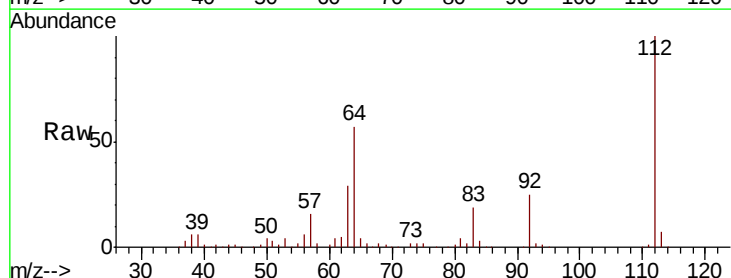
Instrument :
 BNA_F
 ClientSampleId :
 SP-3DL

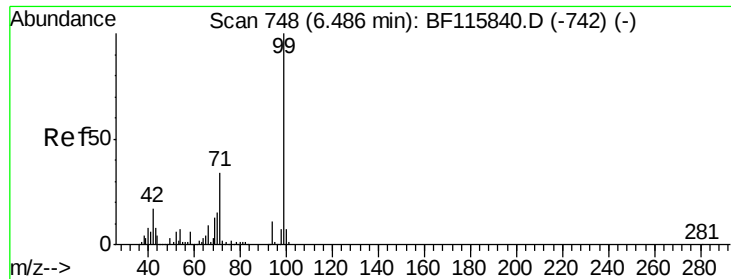
Tgt Ion:152 Resp: 126882
 Ion Ratio Lower Upper
 152 100
 150 154.8 127.4 191.0
 115 60.3 51.8 77.8



#5
 2-Fluorophenol
 Concen: 22.799 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.00 min
 Lab File: BF115929.D
 Acq: 2 Aug 2019 1:28

Tgt Ion:112 Resp: 172797
 Ion Ratio Lower Upper
 112 100
 64 56.9 46.8 70.2
 63 29.2 24.2 36.2





#7

Phenol-d6

Concen: 24.859 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115929.D

Acq: 2 Aug 2019 1:28

Instrument :

BNA_F

ClientSampled :

SP-3DL

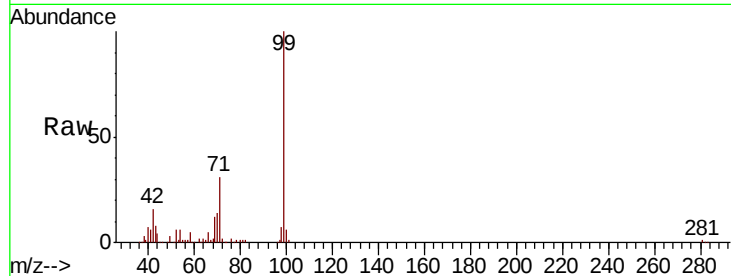
Tgt Ion: 99 Resp: 237713

Ion Ratio Lower Upper

99 100

42 16.0 13.8 20.6

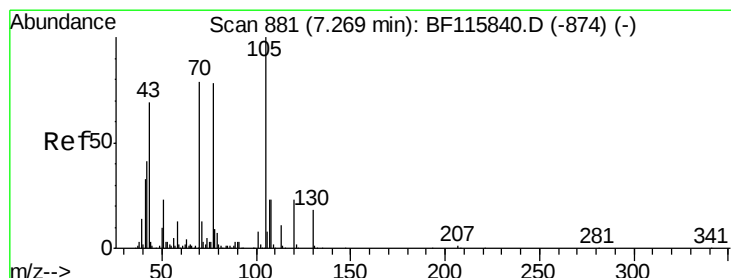
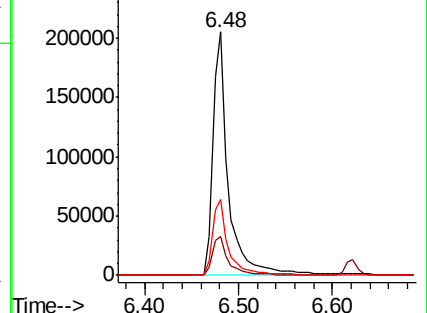
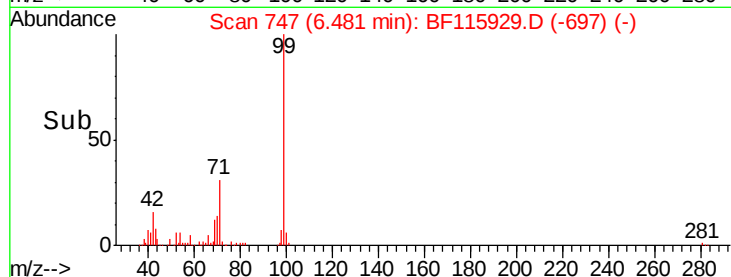
71 31.1 27.1 40.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.093 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF115929.D

Acq: 2 Aug 2019 1:28

Tgt Ion: 70 Resp: 18331

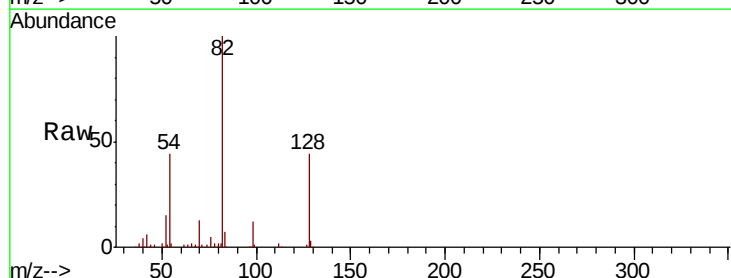
Ion Ratio Lower Upper

70 100

42 46.0 41.8 62.8

101 0.0 7.7 11.5#

130 2.5 17.8 26.6#

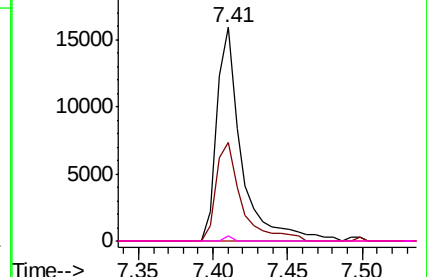
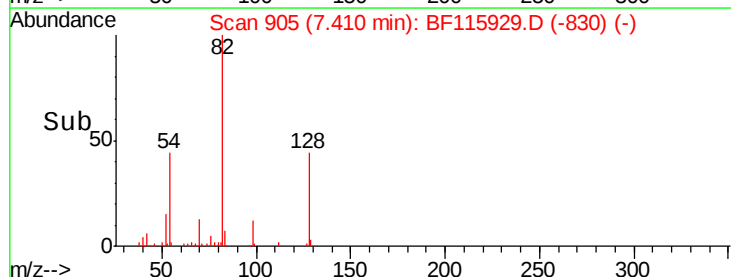


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF115929.D

Acq: 2 Aug 2019 1:28

Instrument :

BNA_F

ClientSampleId :

SP-3DL

Tgt Ion: 136 Resp: 502811

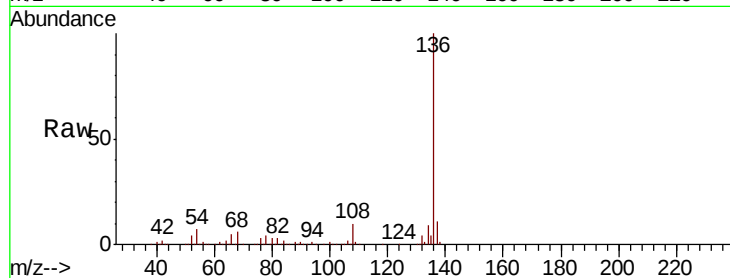
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.9 6.1 9.1

68 6.0 5.4 8.2

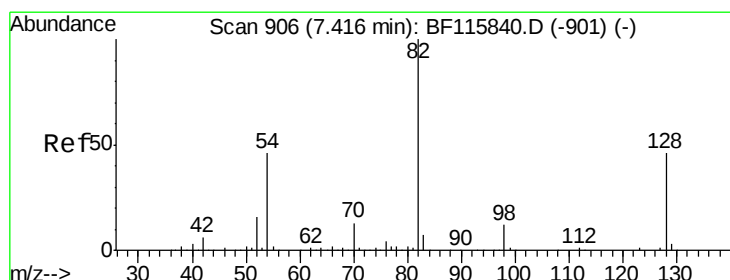
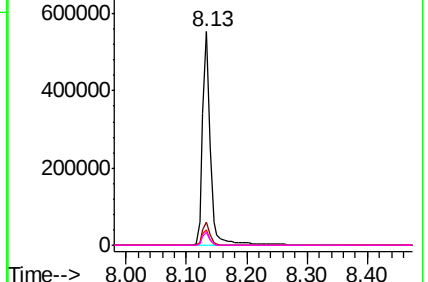
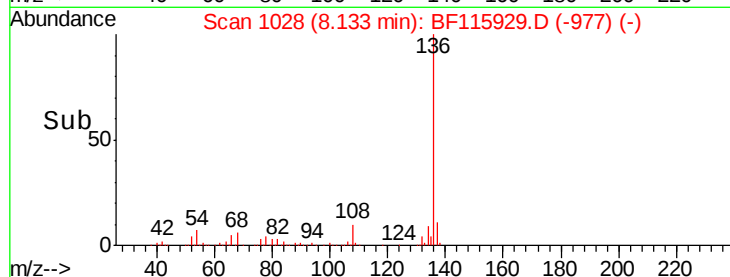


Abundance Ion 136.00 (135.70 to 136.70): E

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: 16.439 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF115929.D

Acq: 2 Aug 2019 1:28

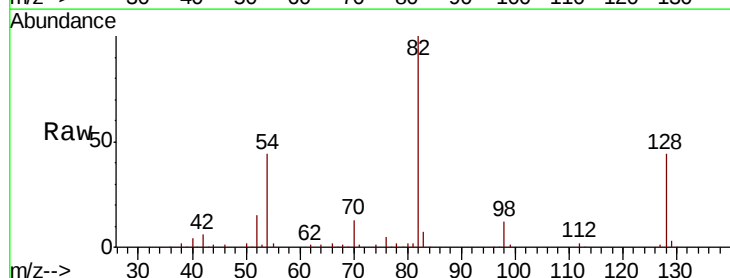
Tgt Ion: 82 Resp: 143196

Ion Ratio Lower Upper

82 100

128 43.9 36.6 55.0

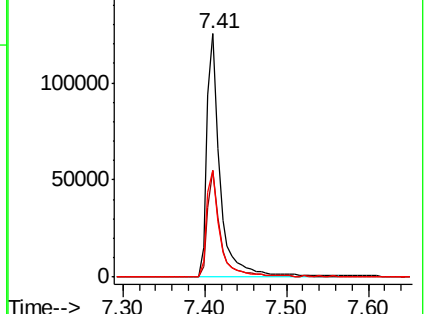
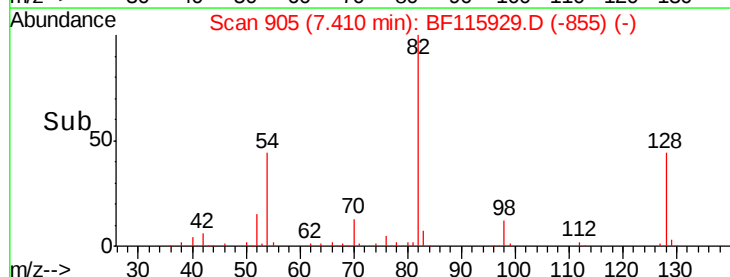
54 44.1 36.6 55.0

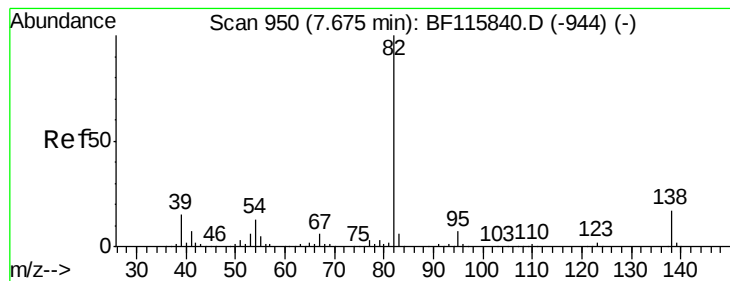


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 8.598 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF115929.D

Acq: 2 Aug 2019 1:28

Instrument :

BNA_F

ClientSampleId :

SP-3DL

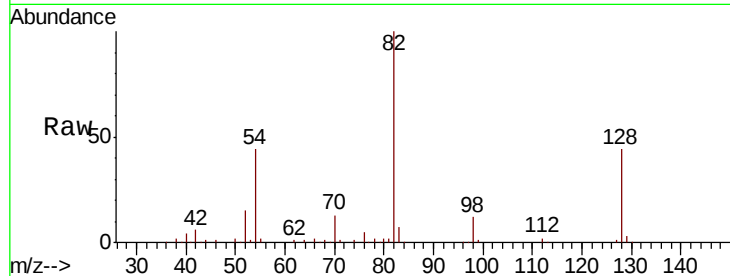
Tgt Ion: 82 Resp: 143209

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

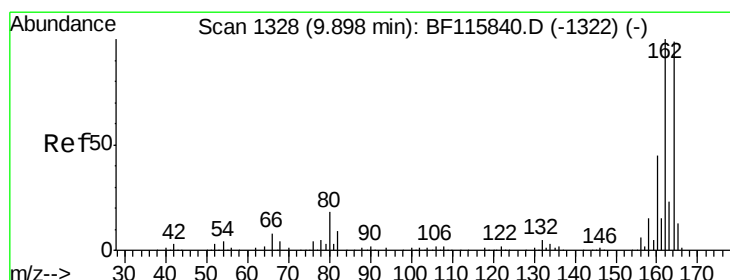
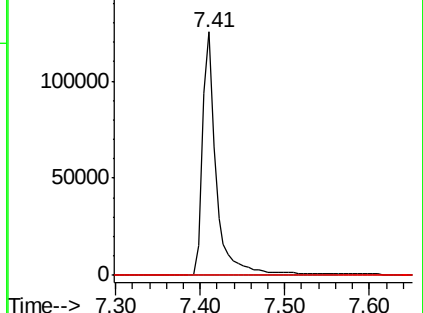
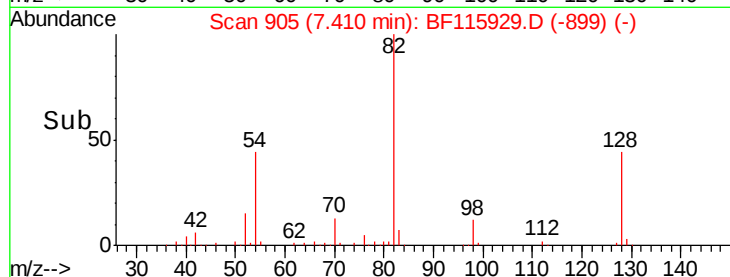
138 0.0 13.9 20.9#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF115929.D

Acq: 2 Aug 2019 1:28

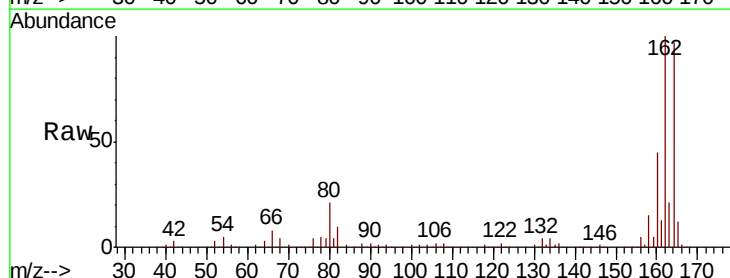
Tgt Ion: 164 Resp: 250972

Ion Ratio Lower Upper

164 100

162 102.7 80.8 121.2

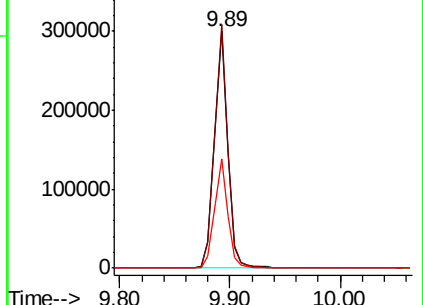
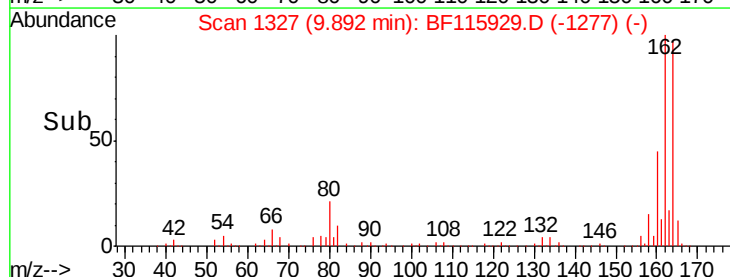
160 46.1 36.2 54.4



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: 18.784 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF115929.D

Acq: 2 Aug 2019 1:28

Instrument :

BNA_F

ClientSampleId :

SP-3DL

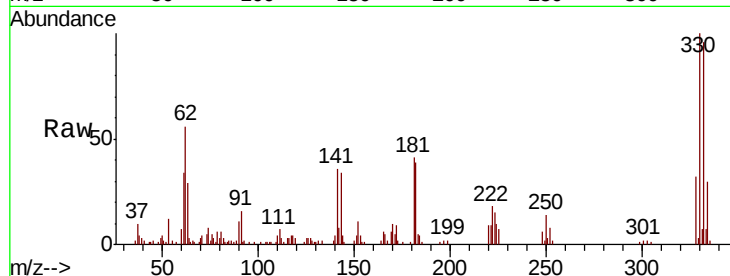
Tgt Ion:330 Resp: 45707

Ion Ratio Lower Upper

330 100

332 95.3 77.7 116.5

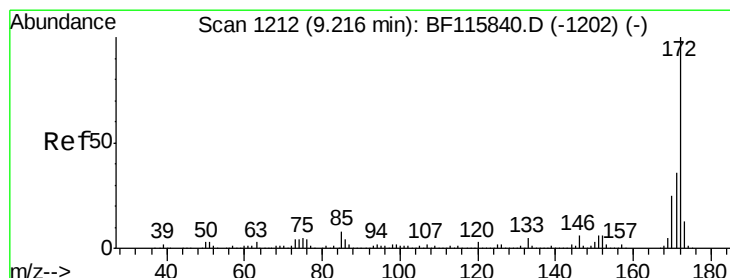
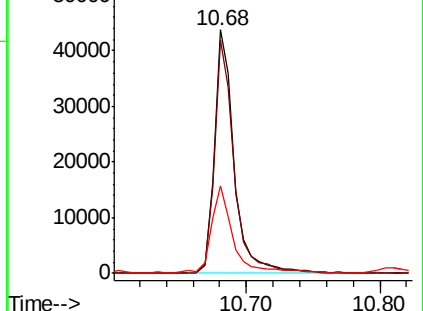
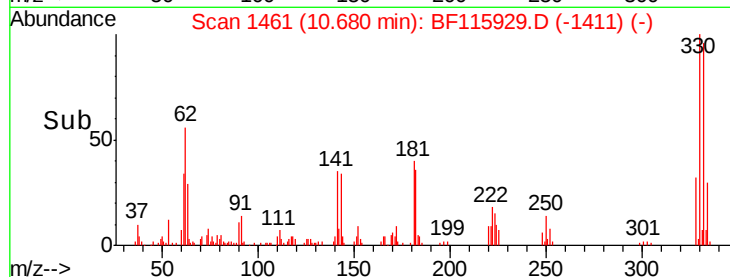
141 39.8 28.1 42.1



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: 17.928 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF115929.D

Acq: 2 Aug 2019 1:28

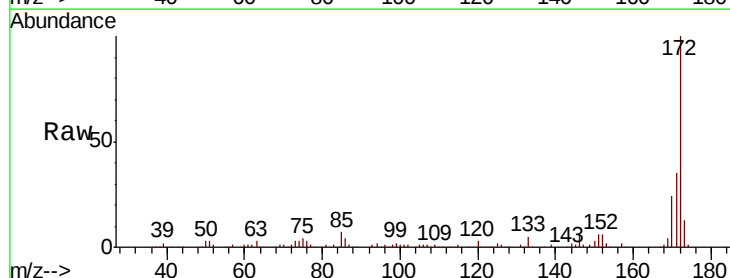
Tgt Ion:172 Resp: 240220

Ion Ratio Lower Upper

172 100

171 35.3 29.1 43.7

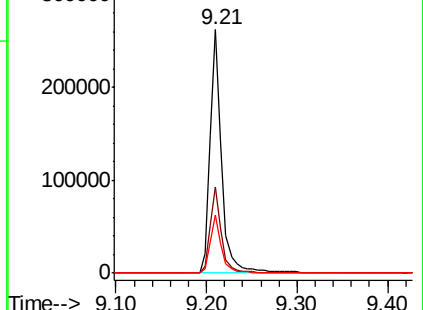
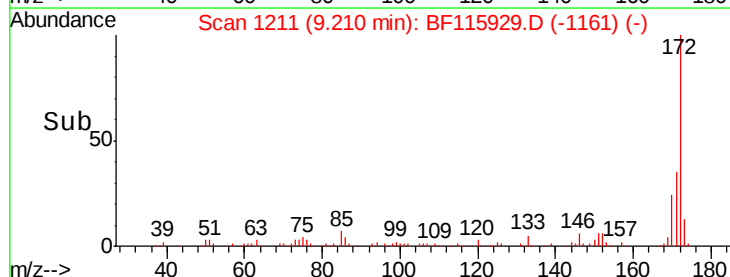
170 23.7 20.1 30.1

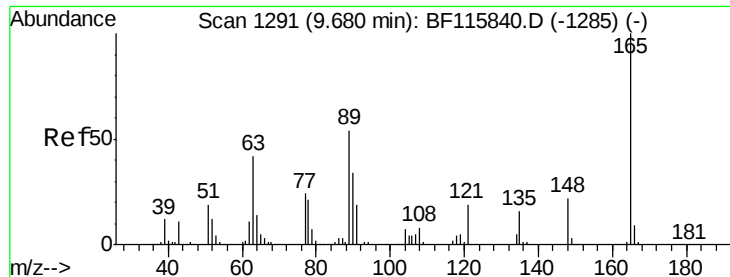


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

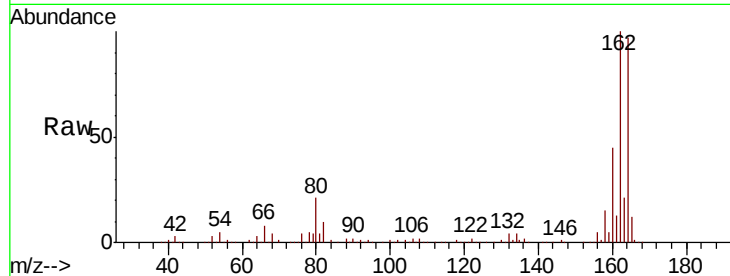




#51
 2,6-Dinitrotoluene
 Concen: 8.933 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.21 min
 Lab File: BF115929.D
 Acq: 2 Aug 2019 1:28

Instrument :
 BNA_F
 ClientSampleID :
 SP-3DL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	39.4	59.2#
89	1.5	43.0	64.6#

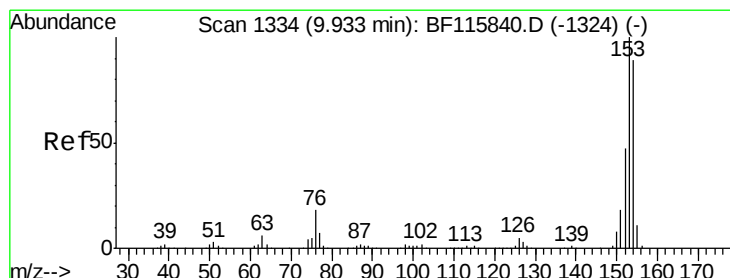
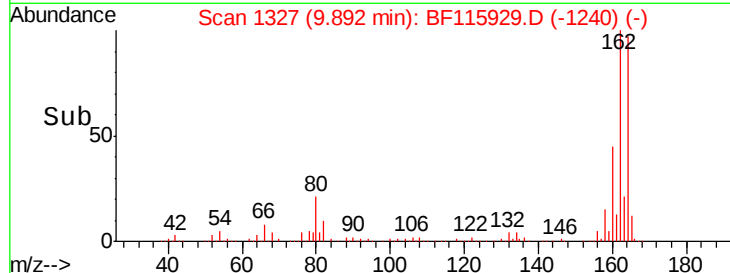
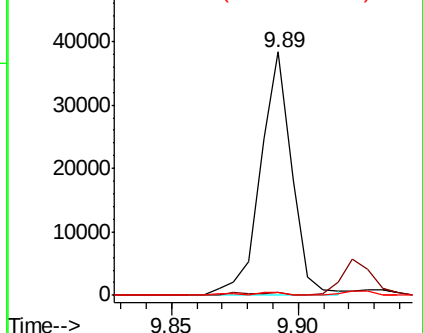


Abundance

Ion 165.00 (164.70 to 165.70): E

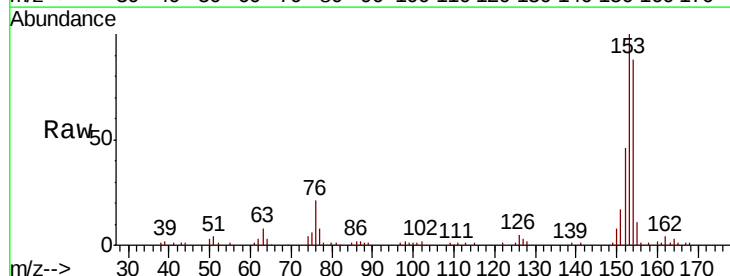
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52
 Acenaphthene
 Concen: 4.332 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: BF115929.D
 Acq: 2 Aug 2019 1:28

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.2	90.1	135.1
152	52.6	42.6	63.8

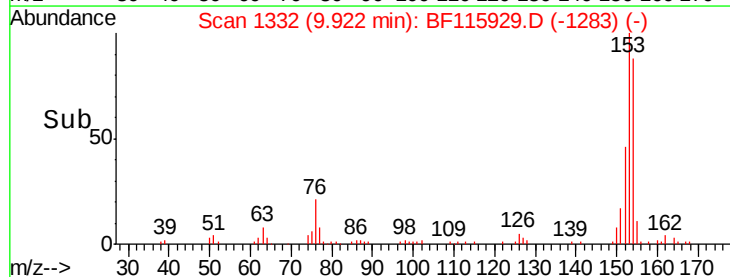
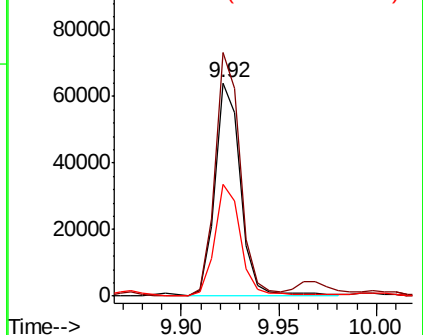


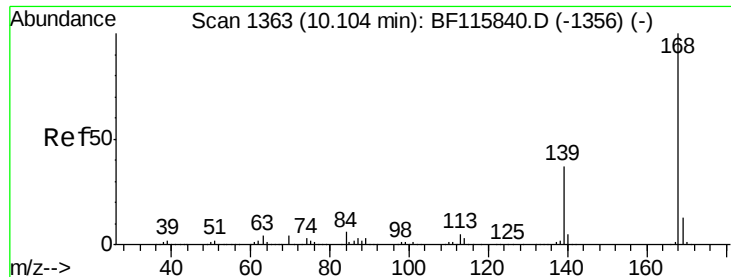
Abundance

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

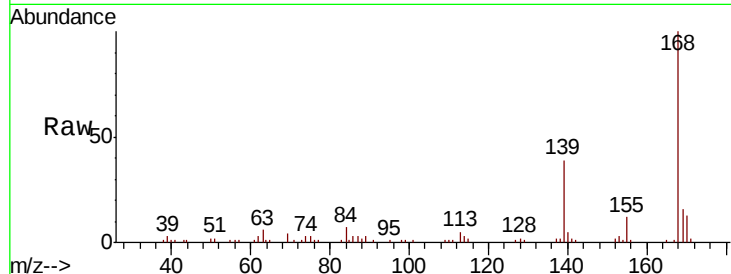




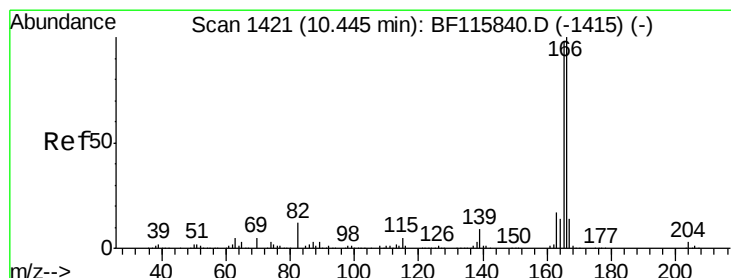
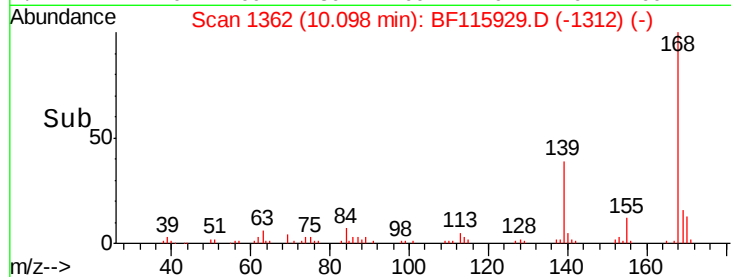
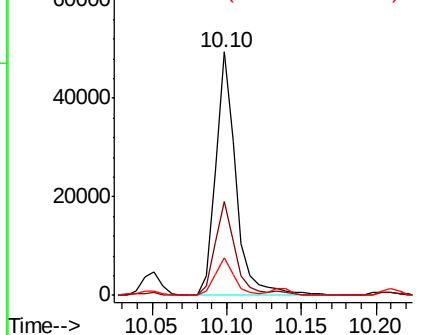
#55
Dibenzenofuran
Concen: 2.427 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF115929.D
Acq: 2 Aug 2019 1:28

Instrument :
BNA_F
ClientSampleId :
SP-3DL

Tgt Ion:168 Resp: 46588
Ion Ratio Lower Upper
168 100
139 38.6 30.2 45.2
169 15.6 10.8 16.2

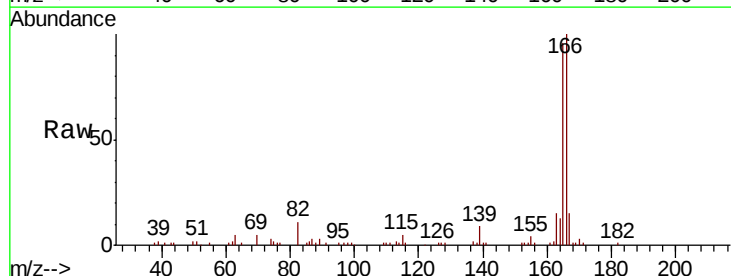


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

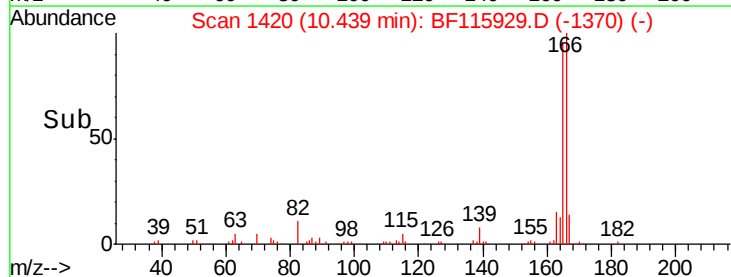
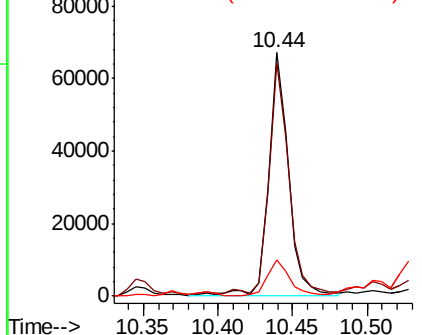


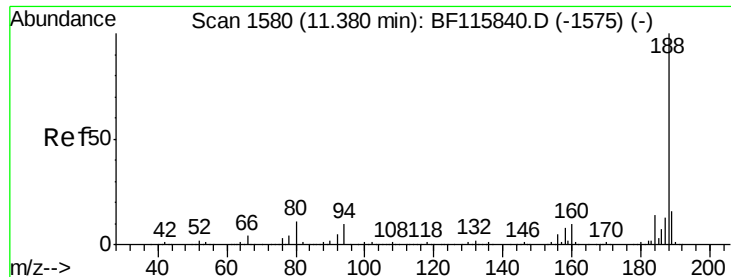
#58
Fluorene
Concen: 4.190 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF115929.D
Acq: 2 Aug 2019 1:28

Tgt Ion:166 Resp: 61877
Ion Ratio Lower Upper
166 100
165 96.1 78.6 118.0
167 15.1 10.9 16.3



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: 11.38 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BF115929.D

Acq: 2 Aug 2019 1:28

Instrument :

BNA_F

ClientSampled :

SP-3DL

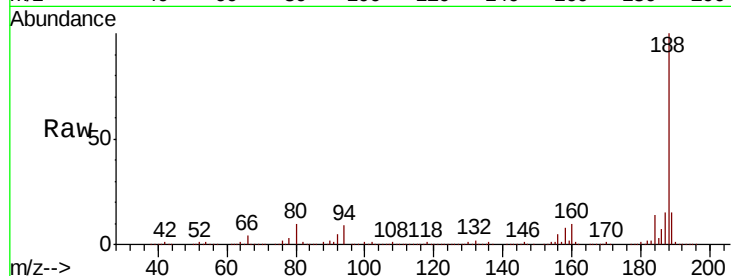
Tgt Ion:188 Resp: 363321

Ion Ratio Lower Upper

188 100

94 9.5 8.0 12.0

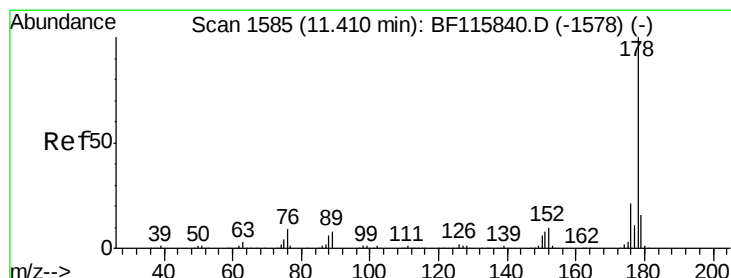
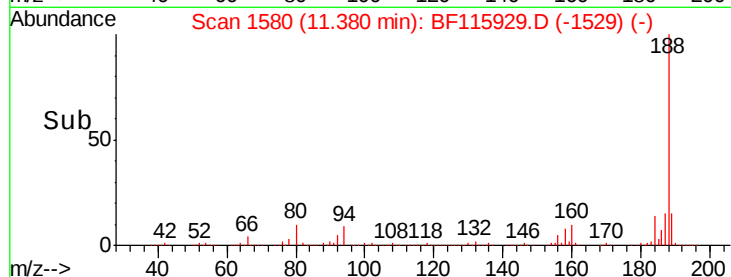
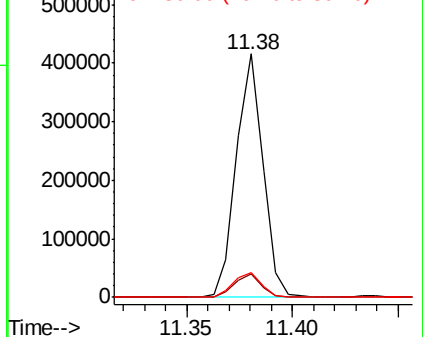
80 10.3 8.6 12.8



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: 55.210 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF115929.D

Acq: 2 Aug 2019 1:28

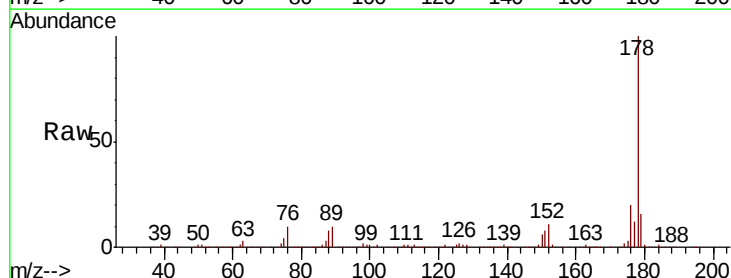
Tgt Ion:178 Resp: 1025454

Ion Ratio Lower Upper

178 100

176 20.4 16.5 24.7

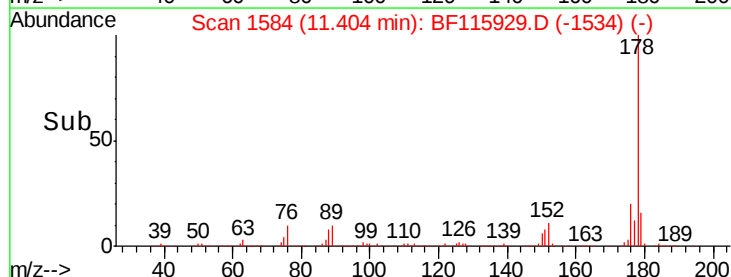
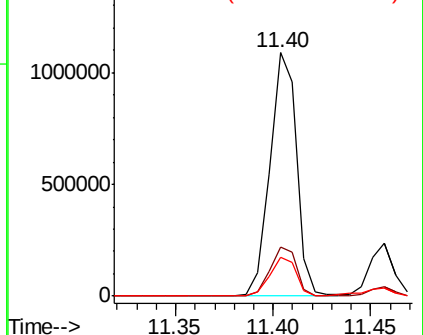
179 16.2 12.6 18.8

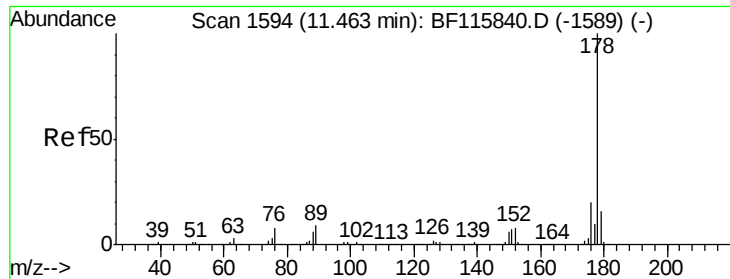


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 10.471 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF115929.D

Acq: 2 Aug 2019 1:28

Instrument :

BNA_F

ClientSampleId :

SP-3DL

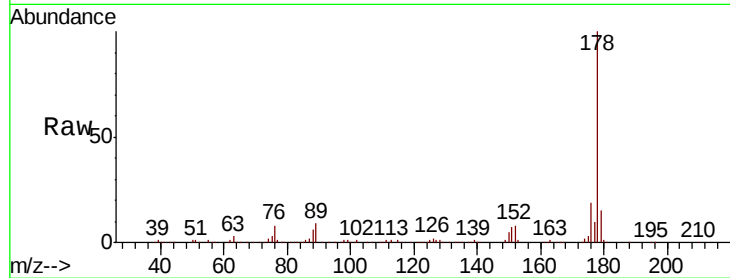
Tgt Ion:178 Resp: 196830

Ion Ratio Lower Upper

178 100

176 18.6 15.7 23.5

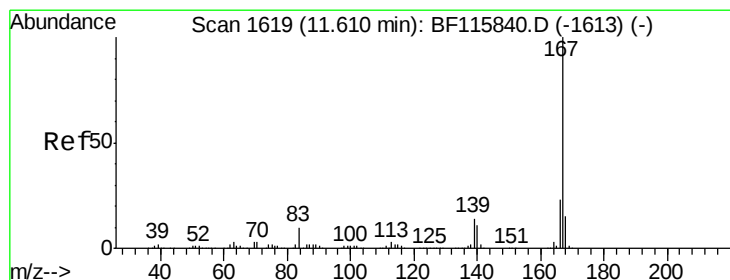
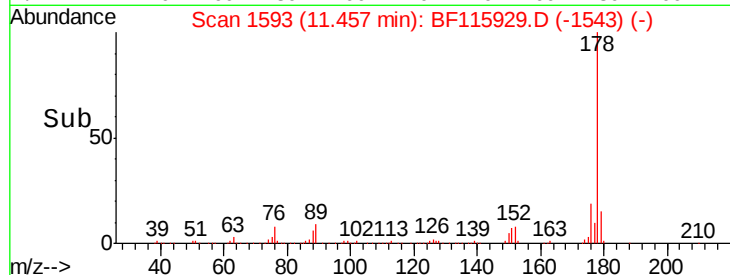
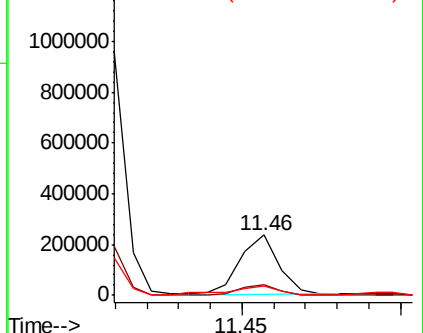
179 15.3 12.4 18.6



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: 3.604 ng

RT: 11.61 min Scan# 1619

Delta R.T. -0.00 min

Lab File: BF115929.D

Acq: 2 Aug 2019 1:28

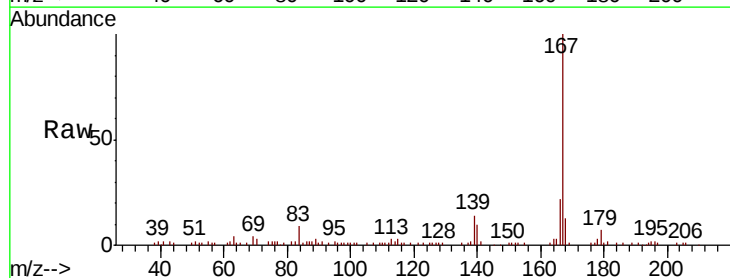
Tgt Ion:167 Resp: 61464

Ion Ratio Lower Upper

167 100

166 21.7 18.0 27.0

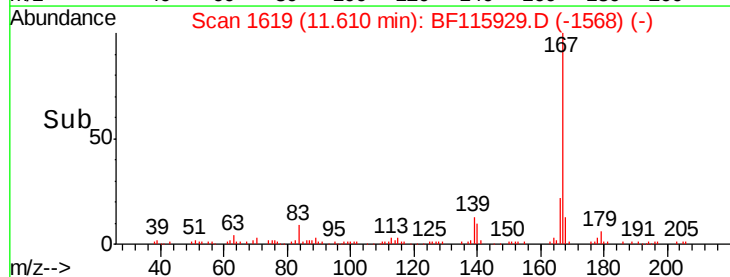
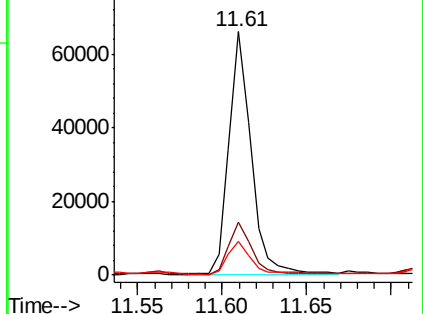
139 13.8 11.4 17.2

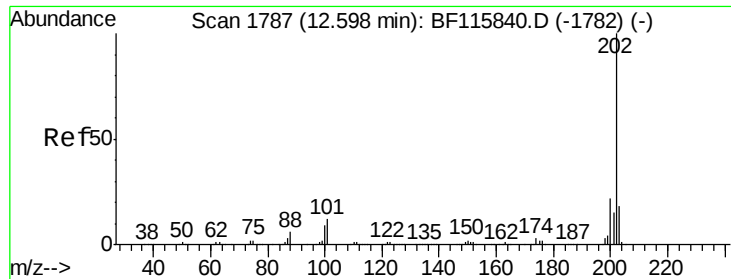


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 51.383 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BF115929.D

Acq: 2 Aug 2019 1:28

Instrument :

BNA_F

ClientSampleId :

SP-3DL

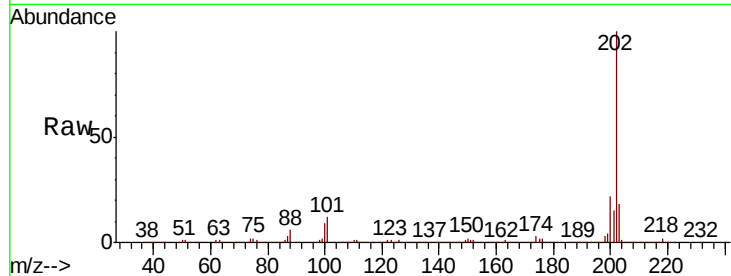
Tgt Ion:202 Resp: 999145

Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.5

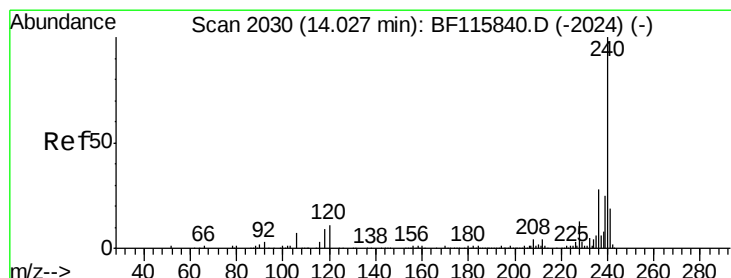
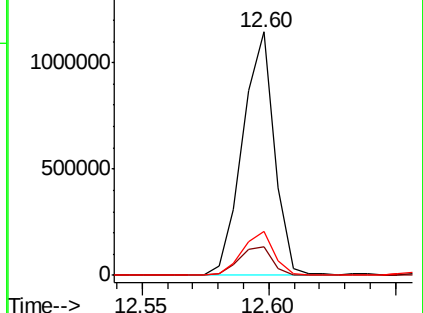
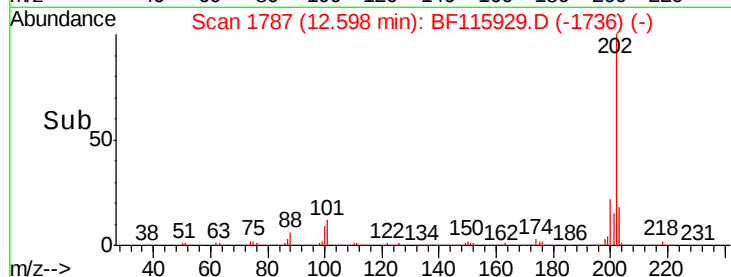
203 18.2 0.0 37.9



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: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF115929.D

Acq: 2 Aug 2019 1:28

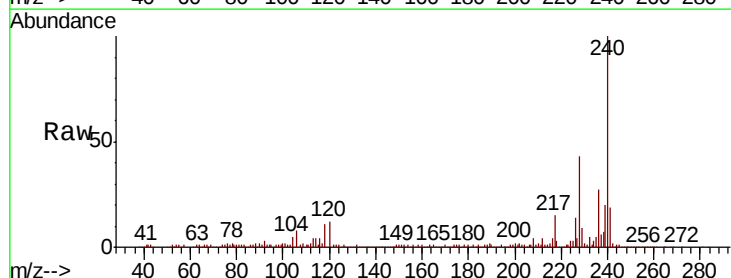
Tgt Ion:240 Resp: 284162

Ion Ratio Lower Upper

240 100

120 12.3 8.5 12.7

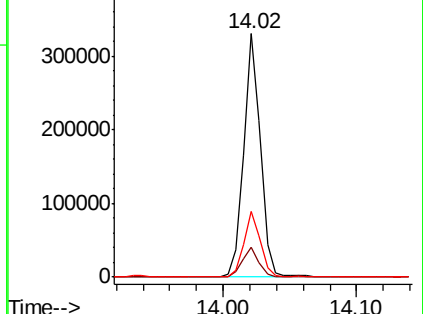
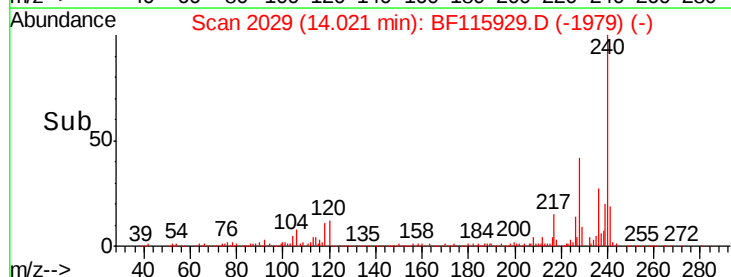
236 27.1 22.2 33.2

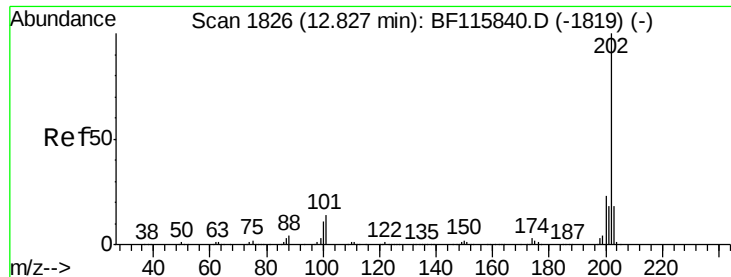


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

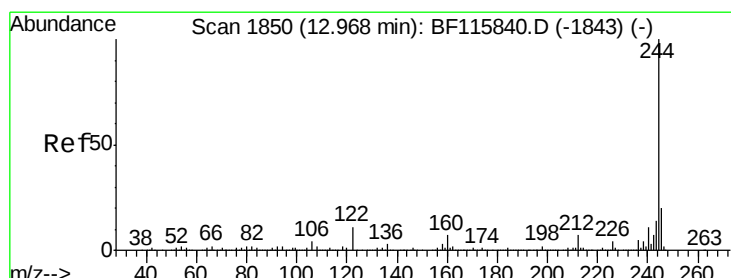
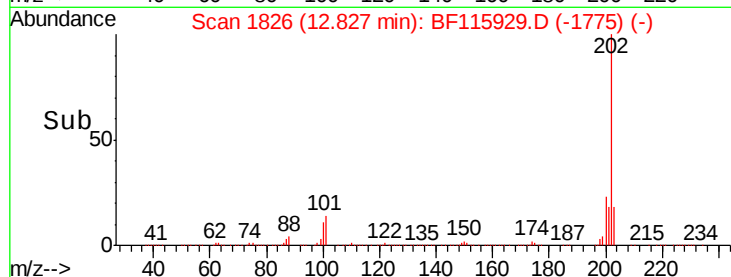
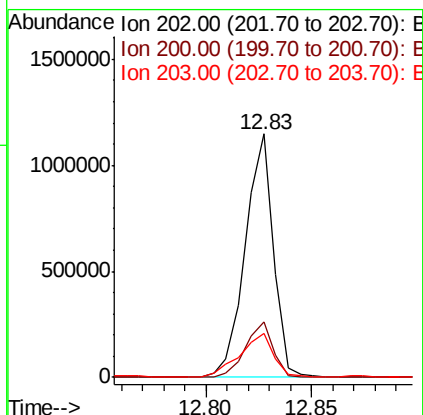
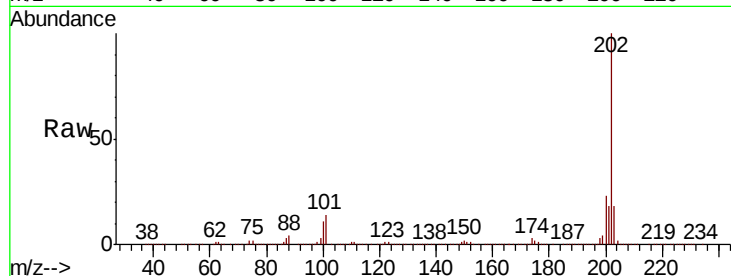




#78
 Pyrene
 Concen: 49.568 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: BF115929.D
 Acq: 2 Aug 2019 1:28

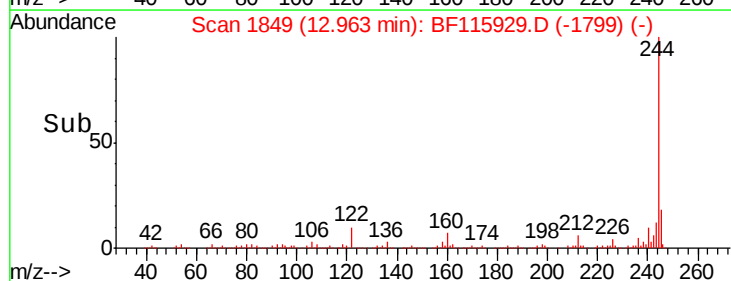
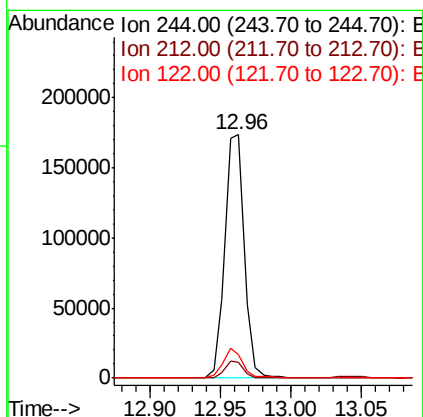
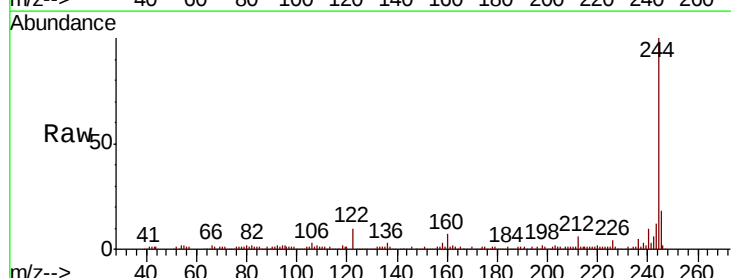
Instrument :
 BNA_F
 ClientSampleId :
 SP-3DL

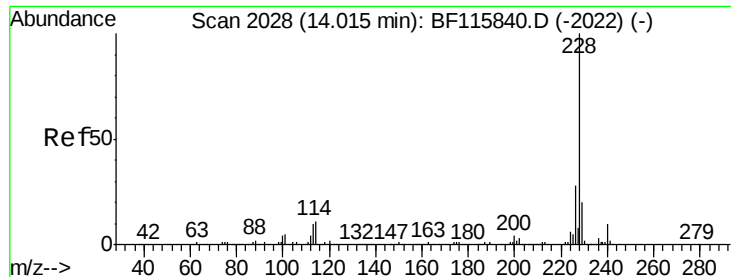
Tgt Ion: 202 Resp: 1061768
 Ion Ratio Lower Upper
 202 100
 200 22.6 18.2 27.2
 203 18.0 14.3 21.5



#79
 Terphenyl-d14
 Concen: 12.377 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF115929.D
 Acq: 2 Aug 2019 1:28

Tgt Ion: 244 Resp: 166908
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 9.8 8.6 13.0

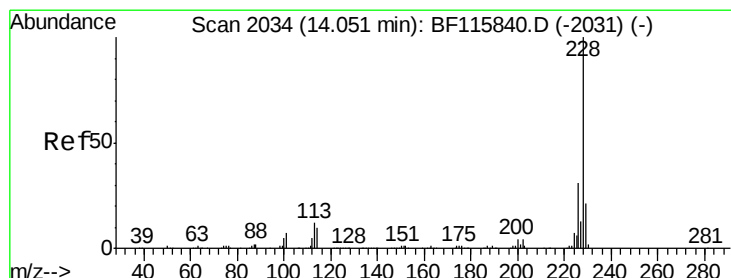
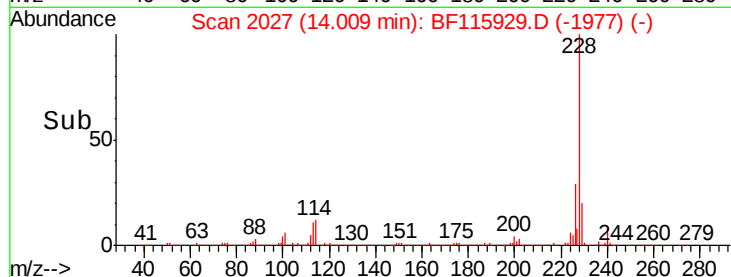
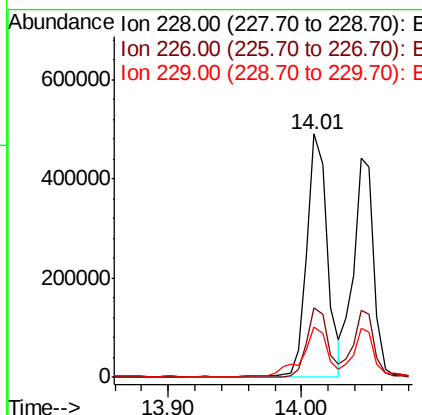
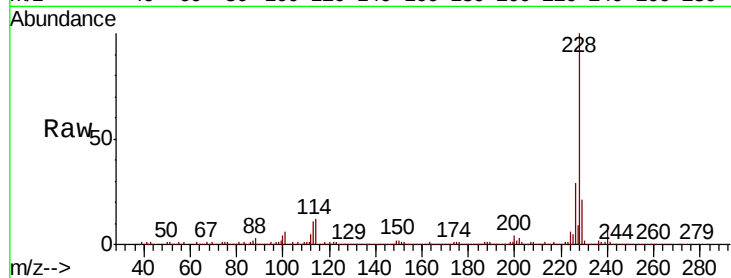




#81
Benzo(a)anthracene
Concen: 28.288 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF115929.D
Acq: 2 Aug 2019 1:28

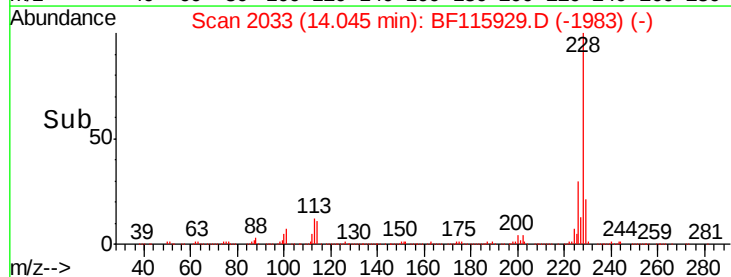
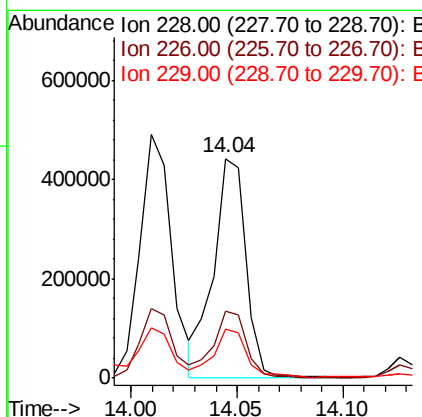
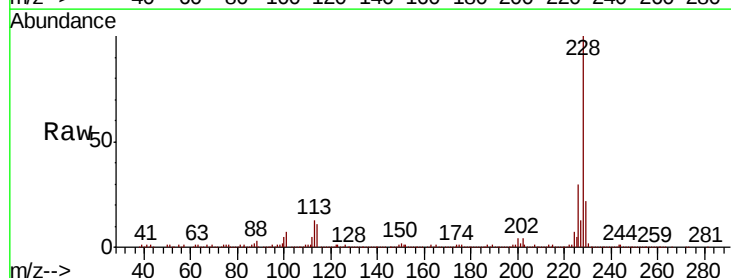
Instrument :
BNA_F
ClientSampleId :
SP-3DL

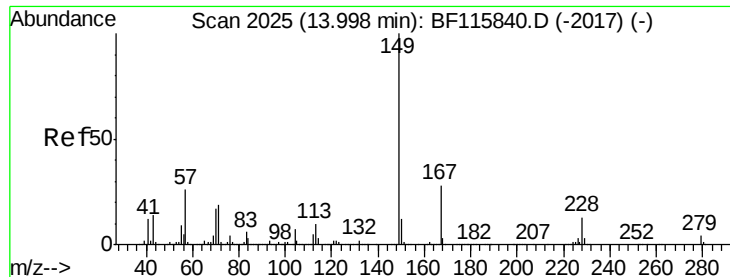
Tgt Ion:228 Resp: 513779
Ion Ratio Lower Upper
228 100
226 28.8 22.5 33.7
229 20.9 16.1 24.1



#83
Chrysene
Concen: 26.776 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF115929.D
Acq: 2 Aug 2019 1:28

Tgt Ion:228 Resp: 472140
Ion Ratio Lower Upper
228 100
226 30.4 24.8 37.2
229 22.0 16.4 24.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 21.574 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF115929.D

Acq: 2 Aug 2019 1:28

Instrument :

BNA_F

ClientSampleId :

SP-3DL

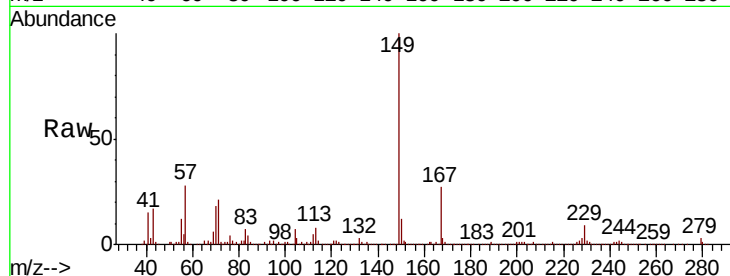
Tgt Ion:149 Resp: 254031

Ion Ratio Lower Upper

149 100

167 27.3 22.4 33.6

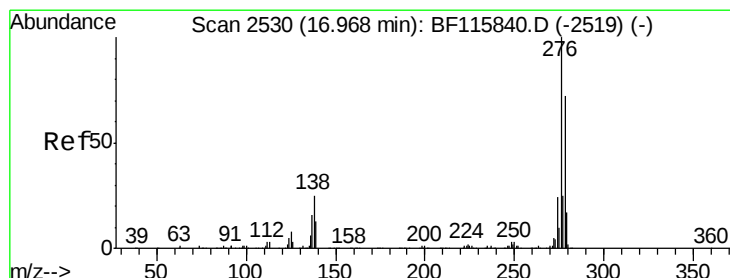
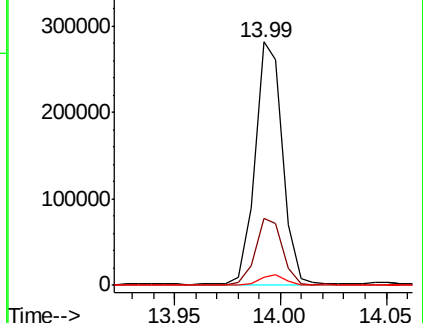
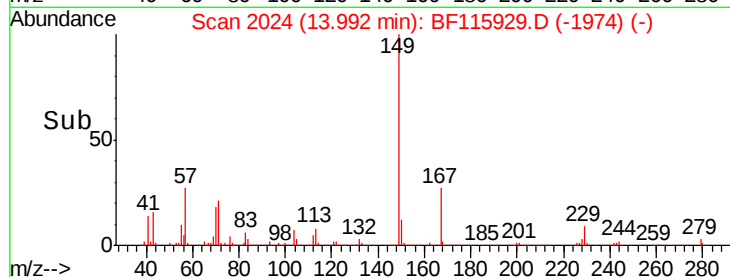
279 3.4 3.3 4.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 11.749 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.00 min

Lab File: BF115929.D

Acq: 2 Aug 2019 1:28

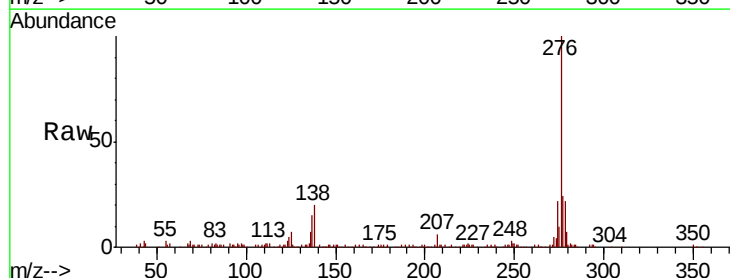
Tgt Ion:276 Resp: 174002

Ion Ratio Lower Upper

276 100

138 21.0 19.6 29.4

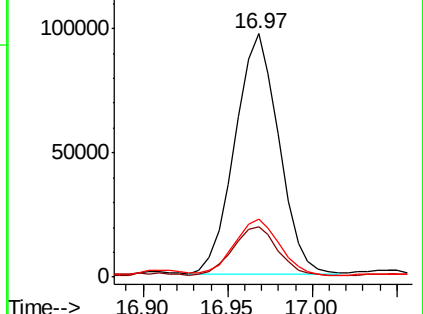
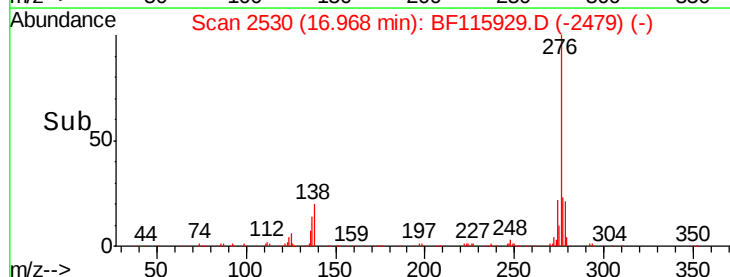
277 24.5 20.1 30.1

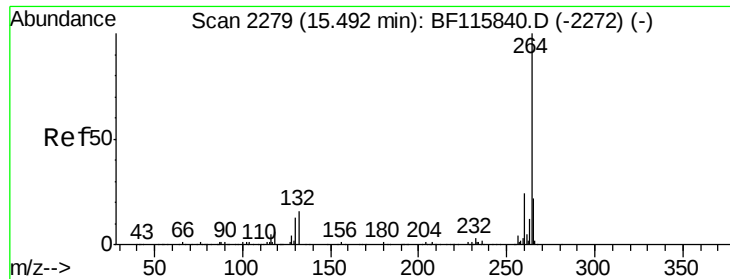


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.00 min

Lab File: BF115929.D

Acq: 2 Aug 2019 1:28

Instrument :

BNA_F

ClientSampleId :

SP-3DL

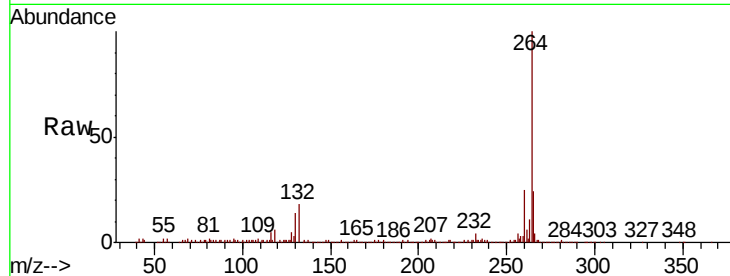
Tgt Ion:264 Resp: 297858

Ion Ratio Lower Upper

264 100

260 25.1 19.4 29.2

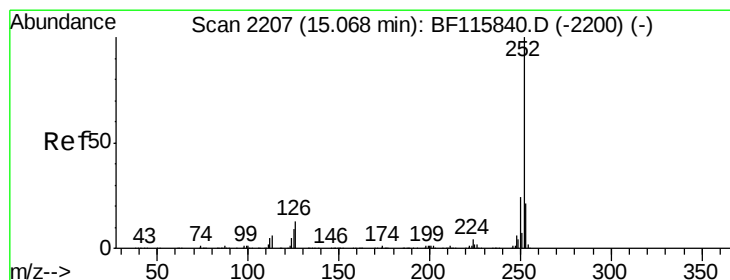
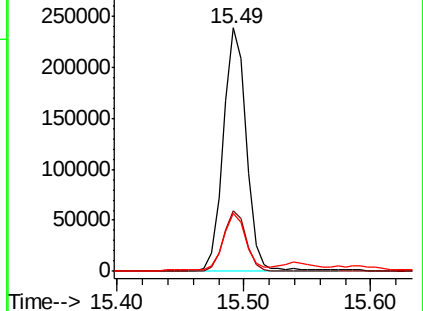
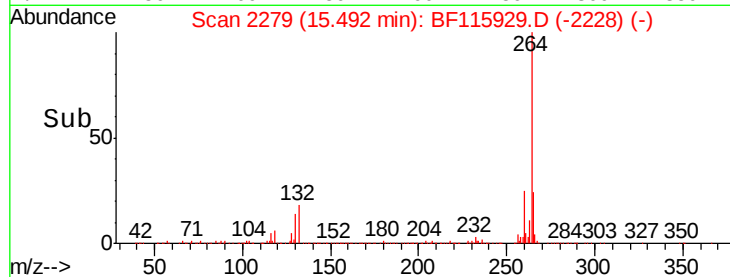
265 23.9 17.5 26.3



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: 39.204 ng

RT: 15.07 min Scan# 2207

Delta R.T. -0.00 min

Lab File: BF115929.D

Acq: 2 Aug 2019 1:28

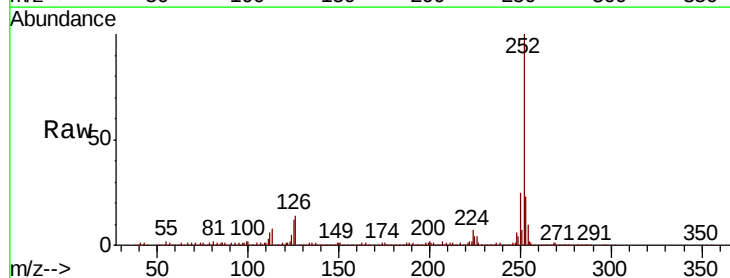
Tgt Ion:252 Resp: 675183

Ion Ratio Lower Upper

252 100

253 22.6 17.2 25.8

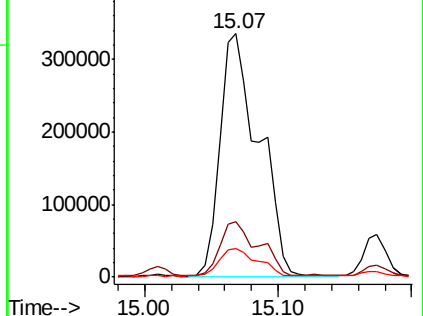
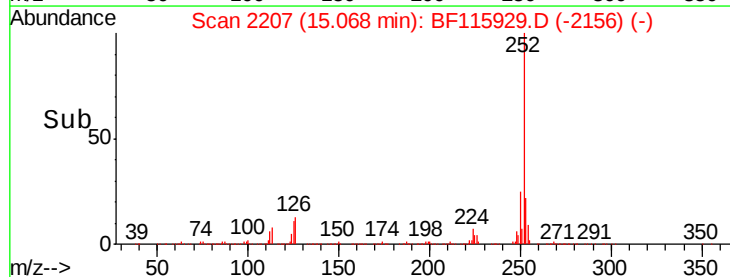
125 11.7 7.4 11.0#

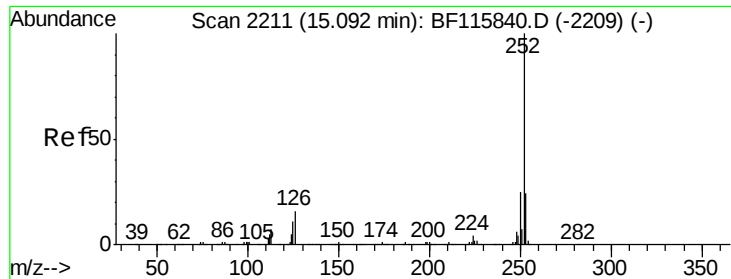


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

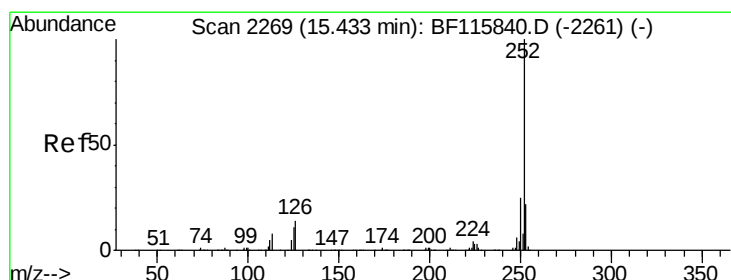
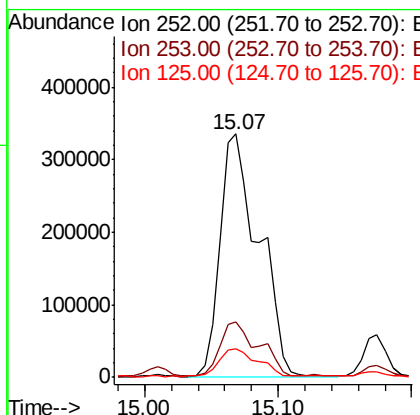
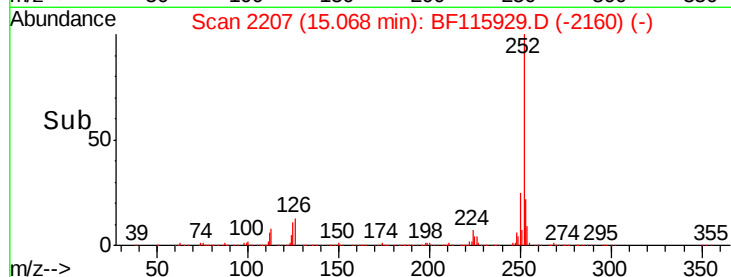
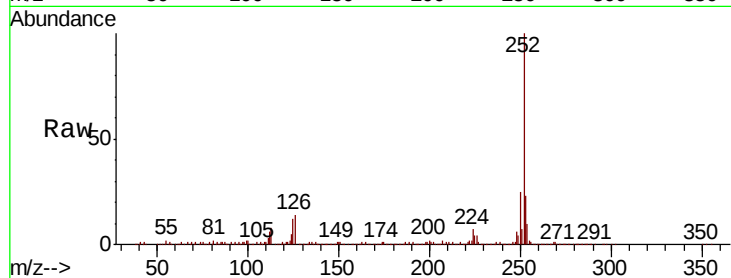




#89
Benzo(k)fluoranthene
Concen: 40.250 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF115929.D
Acq: 2 Aug 2019 1:28

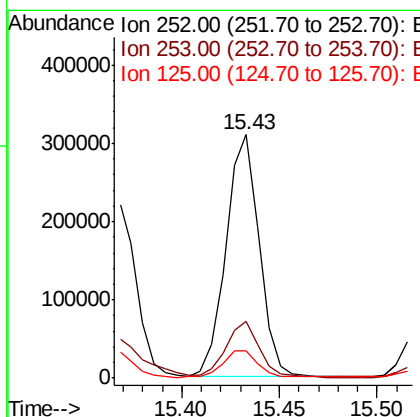
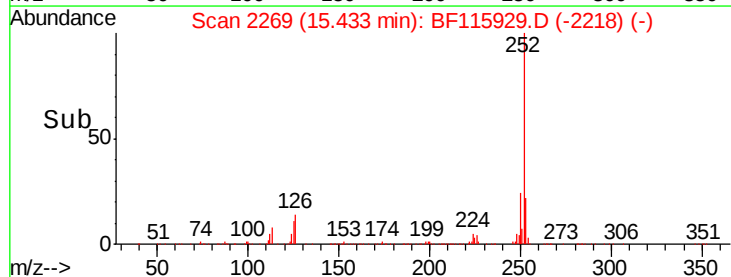
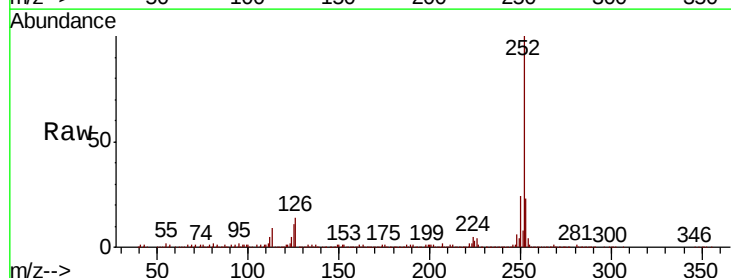
Instrument :
BNA_F
ClientSampleId :
SP-3DL

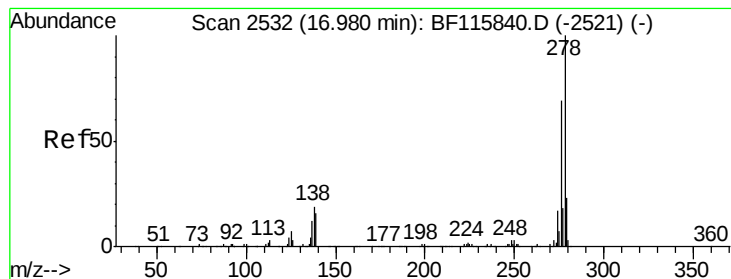
Tgt Ion:252 Resp: 675183
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.4
125 11.7 8.9 13.3



#90
Benzo(a)pyrene
Concen: 23.754 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF115929.D
Acq: 2 Aug 2019 1:28

Tgt Ion:252 Resp: 365713
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 11.3 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 2.760 ng

RT: 17.14 min Scan# 2559

Delta R.T. 0.16 min

Lab File: BF115929.D

Acq: 2 Aug 2019 1:28

Instrument :

BNA_F

ClientSampleId :

SP-3DL

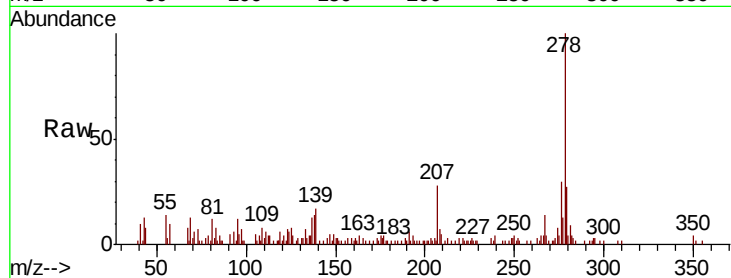
Tgt Ion: 278 Resp: 36776

Ion Ratio Lower Upper

278 100

139 16.8 12.6 19.0

279 27.2 18.8 28.2

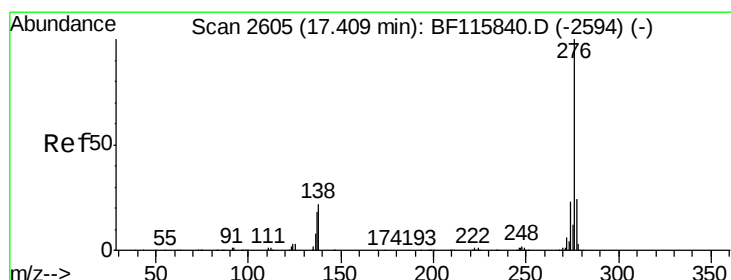
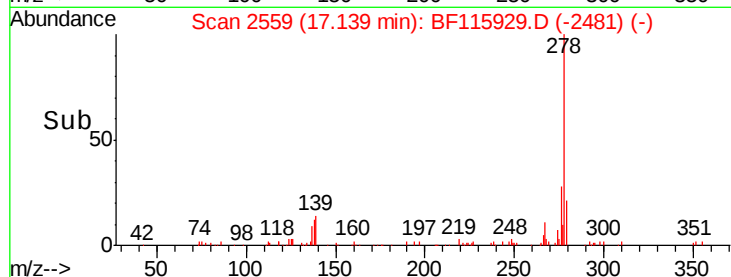
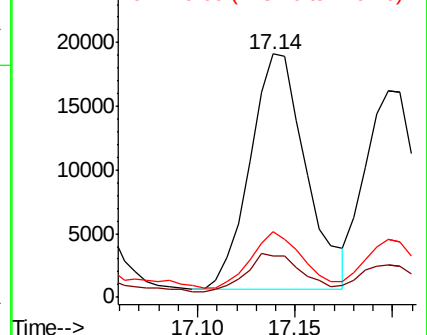


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 13.060 ng

RT: 17.42 min Scan# 2606

Delta R.T. 0.01 min

Lab File: BF115929.D

Acq: 2 Aug 2019 1:28

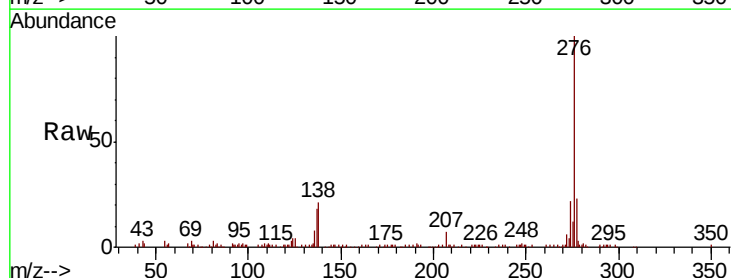
Tgt Ion: 276 Resp: 170932

Ion Ratio Lower Upper

276 100

277 22.9 19.5 29.3

138 20.9 17.8 26.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

