

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080519\
 Data File : BF115995.D
 Acq On : 5 Aug 2019 22:14
 Operator : HP/JU
 Sample : K4095-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080219-A

Quant Time: Aug 06 01:39:26 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	6.84	152	141328	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	546710	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	288976	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	489642	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	300810	20.00	ng	-0.02
87) Perylene-d12	15.47	264	355511	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	859126	101.77	ng	0.00
7) Phenol-d6	6.48	99	1118095	104.97	ng	0.00
23) Nitrobenzene-d5	7.40	82	719640	75.98	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	280065	99.96	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1194030	77.39	ng	-0.02
79) Terphenyl-d14	12.94	244	1163935	81.53	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	95050	14.401	ng	# 78
25) Isophorone	7.40	82	719636	39.736	ng	# 66
49) Acenaphthylene	9.74	152	94293	3.806	ng	99
50) Dimethylphthalate	9.59	163	112875	5.737	ng	100
57) 2,4-Dinitrotoluene	9.87	165	39647	6.964	ng	# 25
67) 4-Bromophenyl-phenylether	10.67	248	17404	3.320	ng	# 1
71) Phenanthrene	11.39	178	220379	8.804	ng	97
72) Anthracene	11.44	178	68758	2.714	ng	99
75) Fluoranthene	12.57	202	638393	24.361	ng	97
78) Pyrene	12.80	202	657219	28.984	ng	99
81) Benzo(a)anthracene	13.99	228	337485	17.553	ng	94
83) Chrysene	14.03	228	277449	14.864	ng	98
86) Indeno(1,2,3-cd)pyrene	16.93	276	256149	16.339	ng	95
88) Benzo(b)fluoranthene	15.04	252	632775	30.783	ng	# 95
89) Benzo(k)fluoranthene	15.04	252	632775	31.604	ng	98
90) Benzo(a)pyrene	15.40	252	357660	19.464	ng	97
91) Dibenzo(a,h)anthracene	16.94	278	63837	4.013	ng	# 86
92) Benzo(g,h,i)perylene	17.37	276	232062	14.856	ng	99

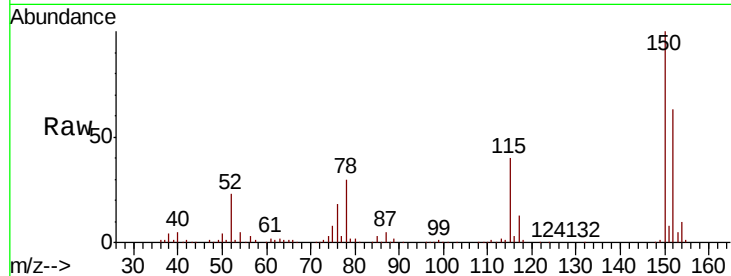
(#) = qualifier out of range (m) = manual integration (+) = signals summed



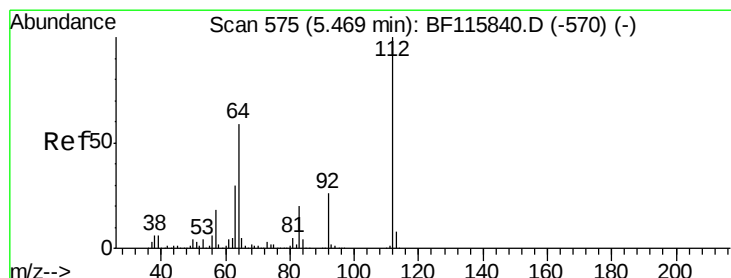
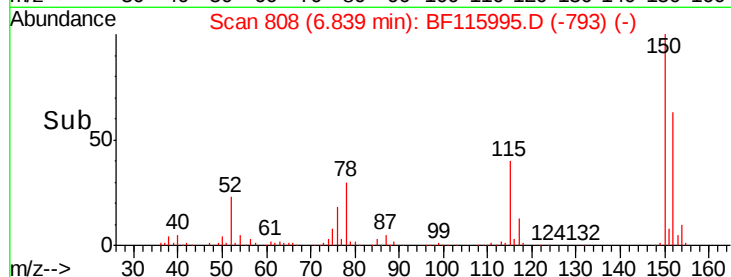
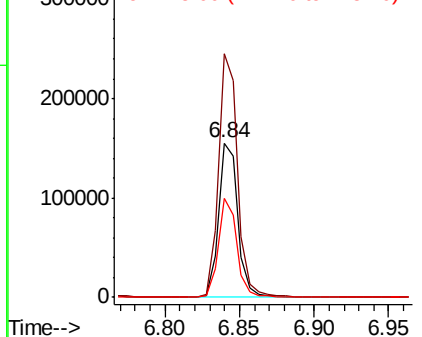
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF115995.D
 Acq: 5 Aug 2019 22:14

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080219-A

Tgt Ion:152 Resp: 141328
 Ion Ratio Lower Upper
 152 100
 150 157.5 127.4 191.0
 115 63.8 51.8 77.8

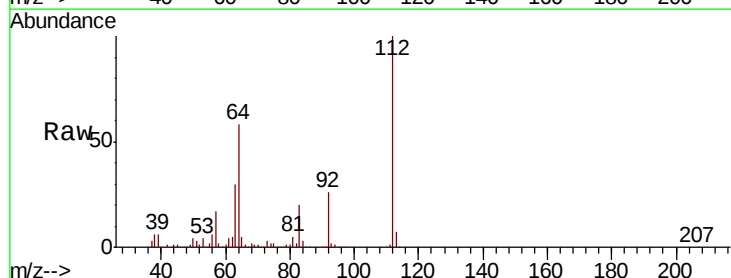


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

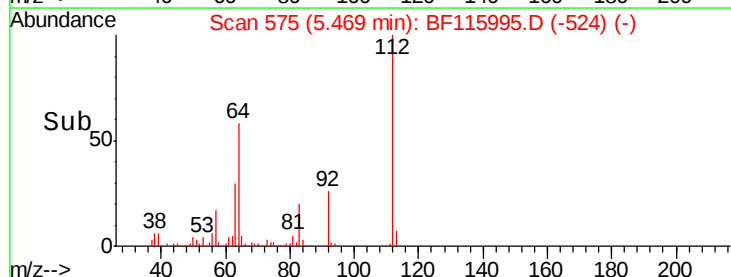
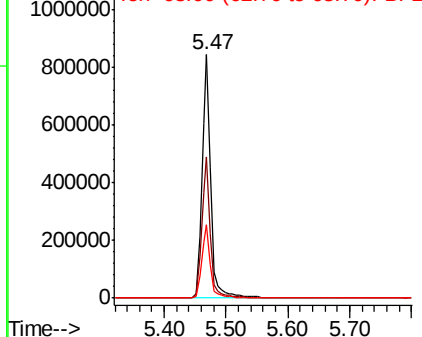


#5
 2-Fluorophenol
 Concen: 101.765 ng
 RT: 5.47 min Scan# 575
 Delta R.T. 0.00 min
 Lab File: BF115995.D
 Acq: 5 Aug 2019 22:14

Tgt Ion:112 Resp: 859126
 Ion Ratio Lower Upper
 112 100
 64 57.9 46.8 70.2
 63 30.0 24.2 36.2



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: 104.972 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115995.D

Acq: 5 Aug 2019 22:14

Instrument :

BNA_F

ClientSampleId :

SU-02-080219-A

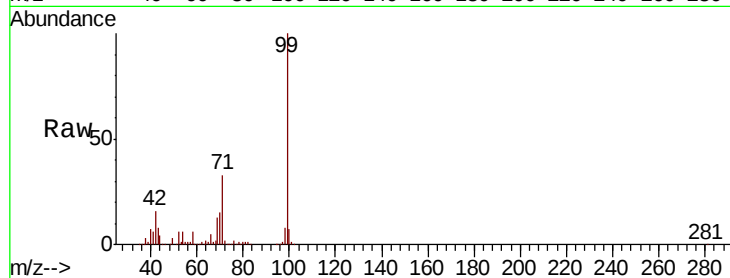
Tgt Ion: 99 Resp: 1118095

Ion Ratio Lower Upper

99 100

42 16.2 13.8 20.6

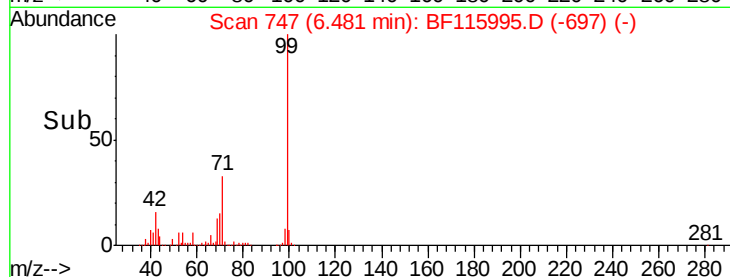
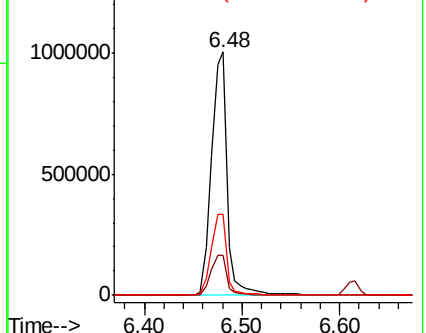
71 33.3 27.1 40.7



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: 14.401 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF115995.D

Acq: 5 Aug 2019 22:14

Tgt Ion: 70 Resp: 95050

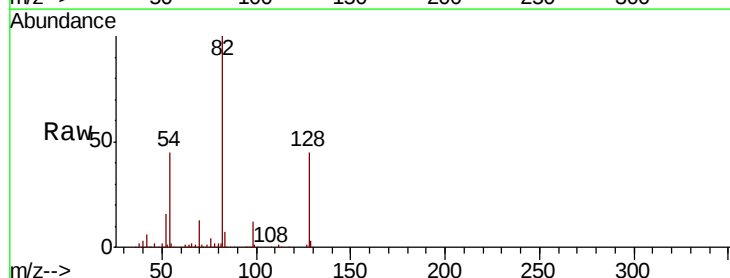
Ion Ratio Lower Upper

70 100

42 43.7 41.8 62.8

101 0.0 7.7 11.5#

130 2.2 17.8 26.6#

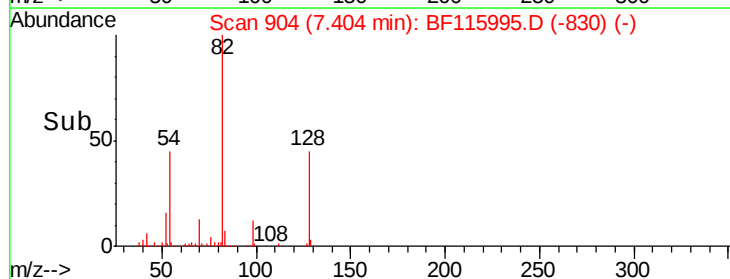
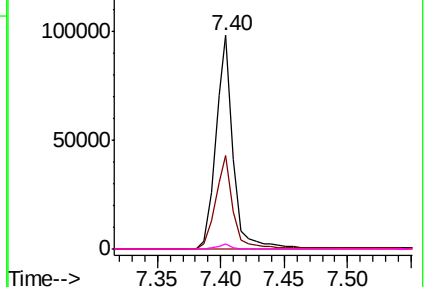


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

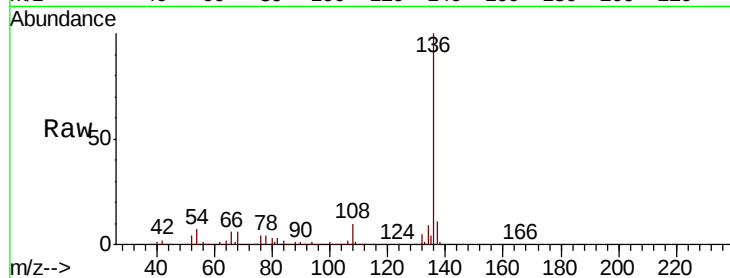




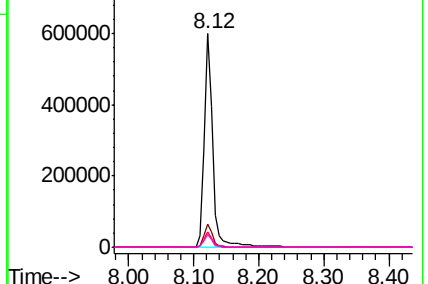
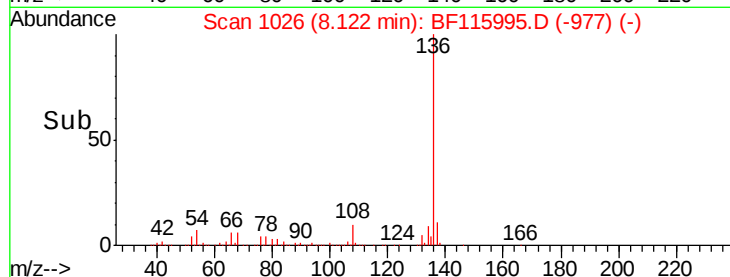
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF115995.D
Acq: 5 Aug 2019 22:14

Instrument :
BNA_F
ClientSampleId :
SU-02-080219-A

Tgt Ion:	136	Resp:	546710
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	7.4	6.1	9.1
68	6.2	5.4	8.2

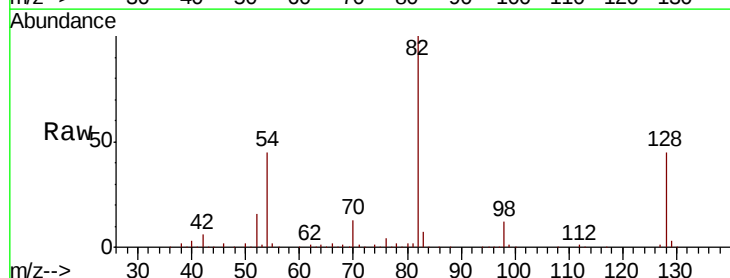


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

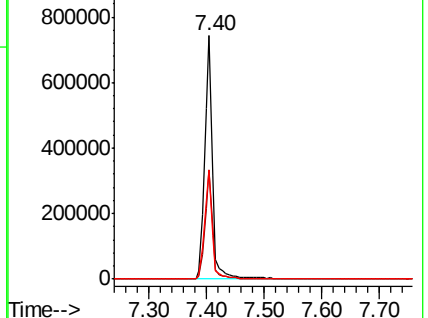
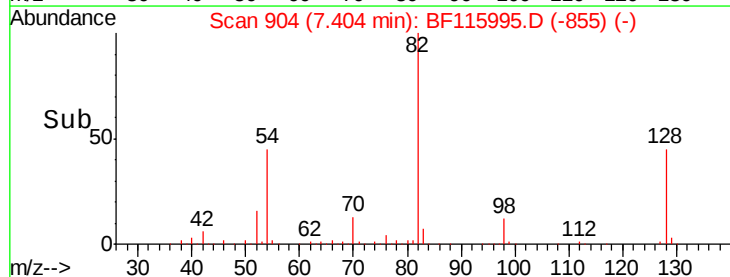


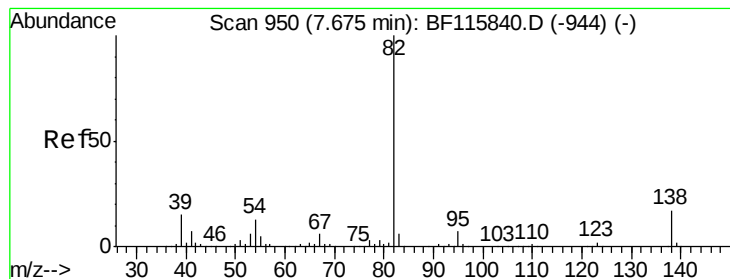
#23
Nitrobenzene-d5
Concen: 75.982 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF115995.D
Acq: 5 Aug 2019 22:14

Tgt Ion:	82	Resp:	719640
Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.6	55.0
54	45.1	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: 39.736 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF115995.D

Acq: 5 Aug 2019 22:14

Instrument :

BNA_F

ClientSampleId :

SU-02-080219-A

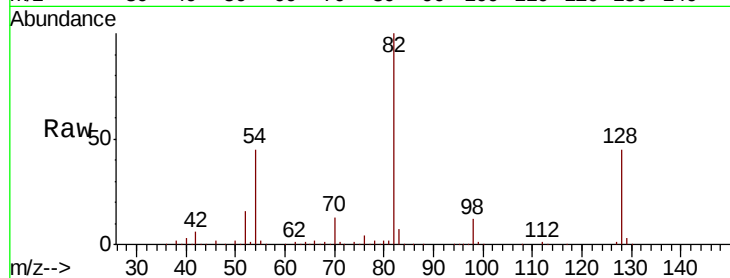
Tgt Ion: 82 Resp: 719636

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

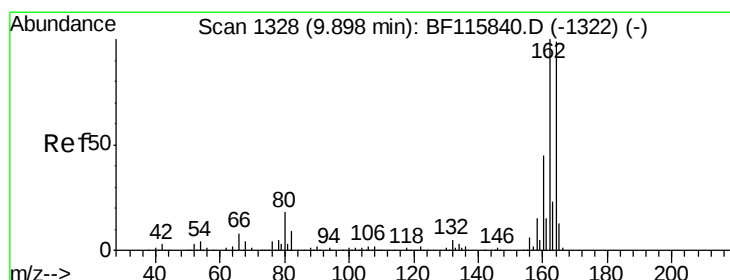
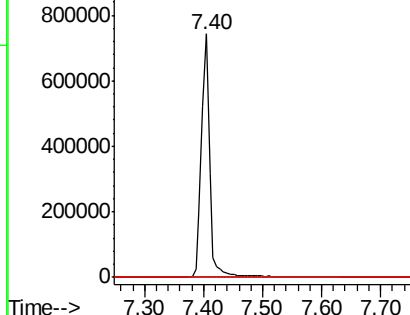
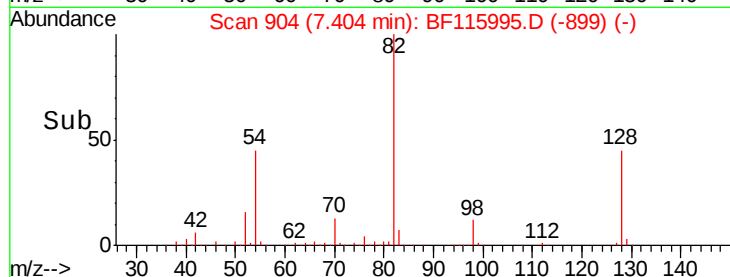
138 0.0 13.9 20.9#



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: 9.87 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BF115995.D

Acq: 5 Aug 2019 22:14

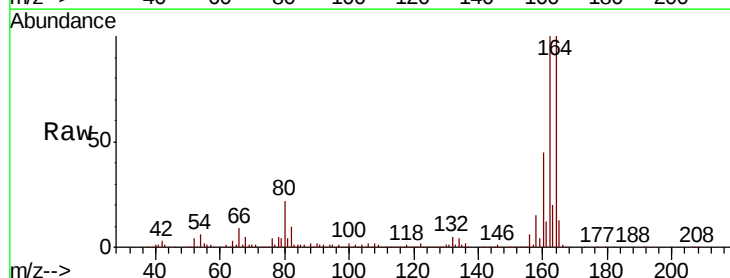
Tgt Ion: 164 Resp: 288976

Ion Ratio Lower Upper

164 100

162 100.5 80.8 121.2

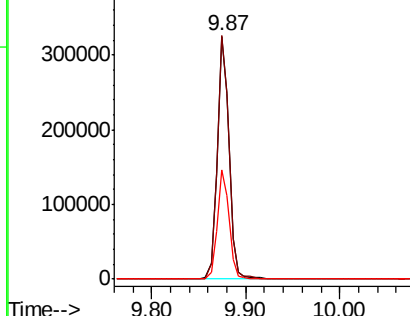
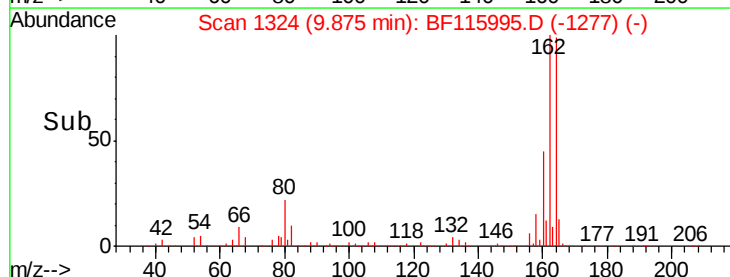
160 45.2 36.2 54.4



Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

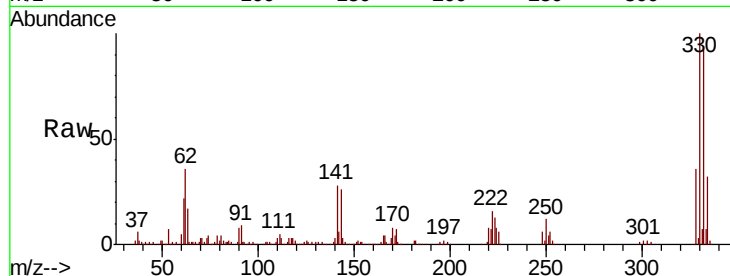




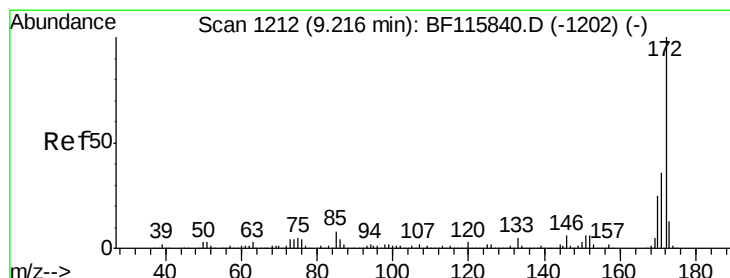
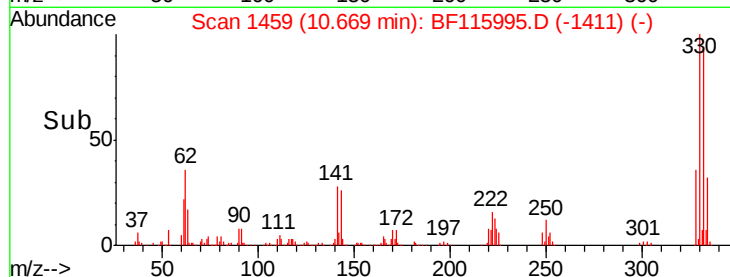
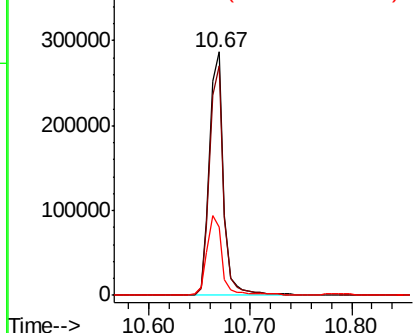
#42
 2,4,6-Tribromophenol
 Concen: 99.962 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.02 min
 Lab File: BF115995.D
 Acq: 5 Aug 2019 22:14

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080219-A

Tgt Ion:330 Resp: 280065
 Ion Ratio Lower Upper
 330 100
 332 94.8 77.7 116.5
 141 34.1 28.1 42.1

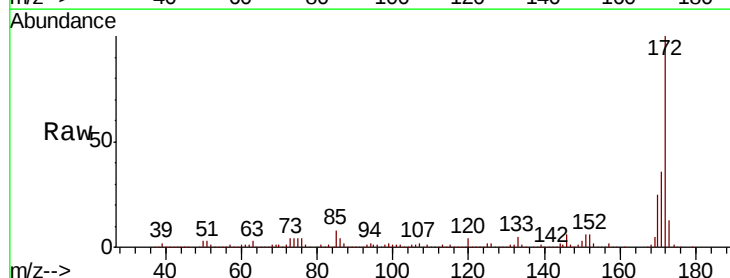


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

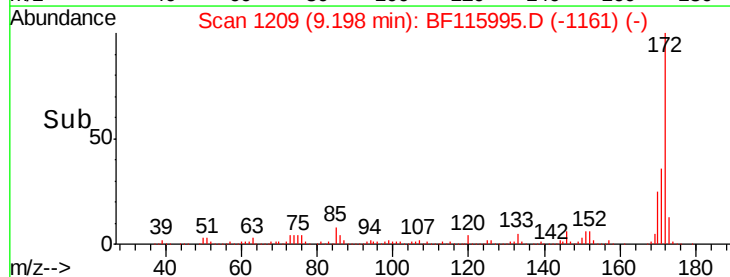
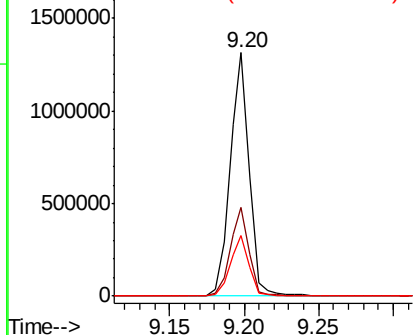


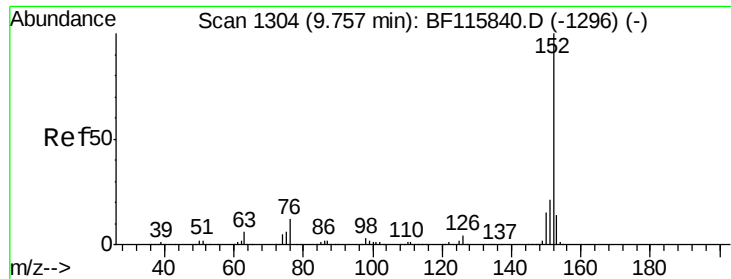
#45
 2-Fluorobiphenyl
 Concen: 77.394 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: BF115995.D
 Acq: 5 Aug 2019 22:14

Tgt Ion:172 Resp: 1194030
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.1 43.7
 170 25.0 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





#49

Acenaphthylene

Concen: 3.806 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BF115995.D

Acq: 5 Aug 2019 22:14

Instrument :

BNA_F

ClientSampleId :

SU-02-080219-A

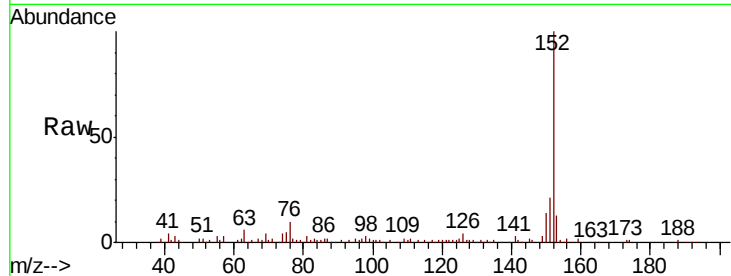
Tgt Ion:152 Resp: 94293

Ion Ratio Lower Upper

152 100

151 20.7 16.8 25.2

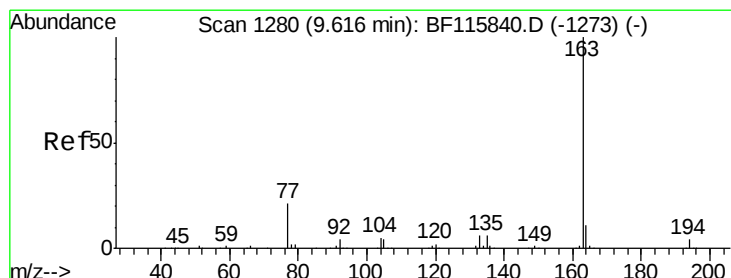
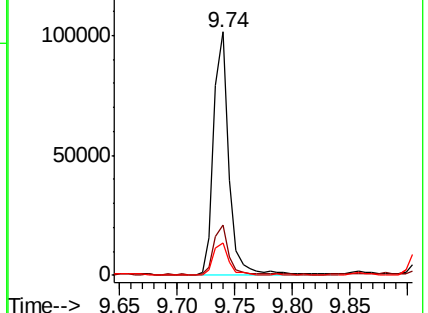
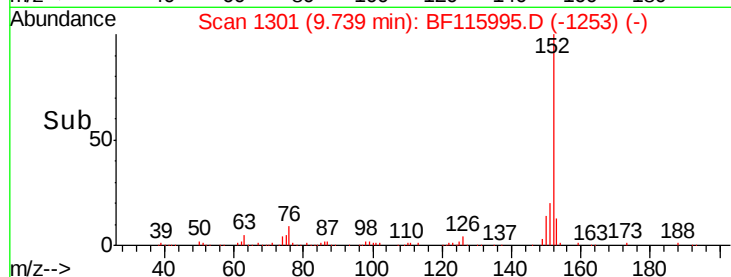
153 13.4 11.6 17.4



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: 5.737 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.03 min

Lab File: BF115995.D

Acq: 5 Aug 2019 22:14

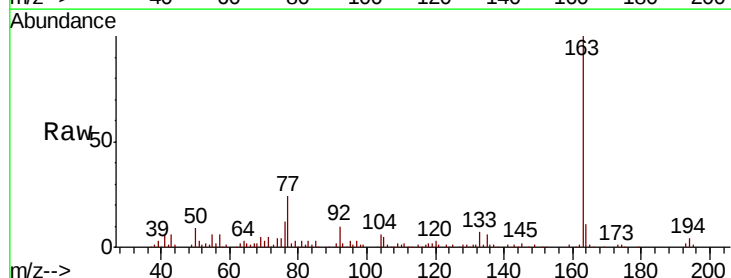
Tgt Ion:163 Resp: 112875

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

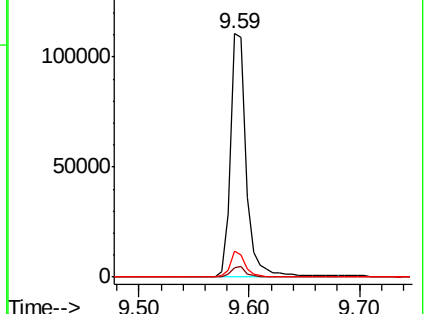
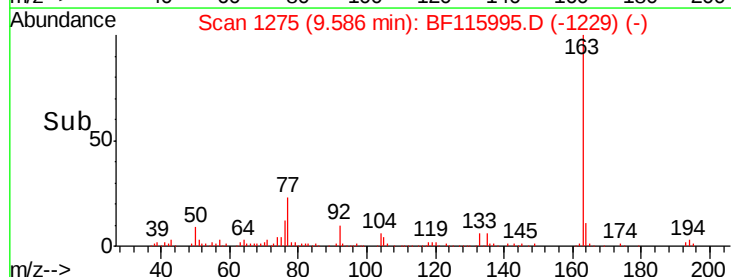
164 10.6 8.4 12.6

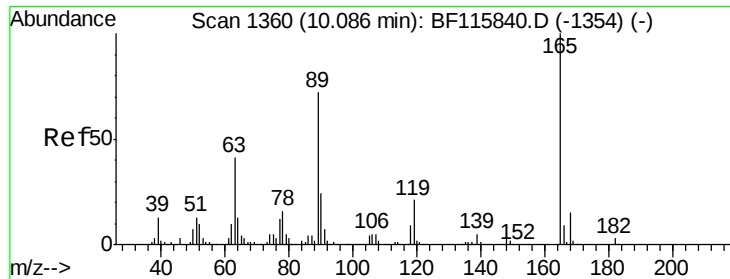


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#57

2,4-Dinitrotoluene

Concen: 6.964 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.21 min

Lab File: BF115995.D

Acq: 5 Aug 2019 22:14

Instrument :

BNA_F

ClientSampleId :

SU-02-080219-A

Tgt Ion:165 Resp: 39647

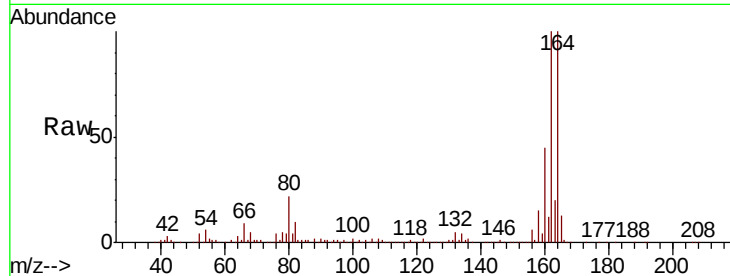
Ion Ratio Lower Upper

165 100

63 1.3 33.2 49.8#

89 2.0 57.3 85.9#

182 1.0 2.1 3.1#

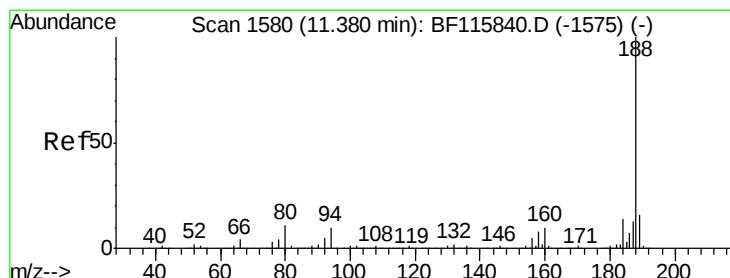
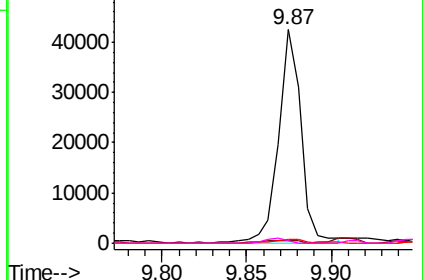
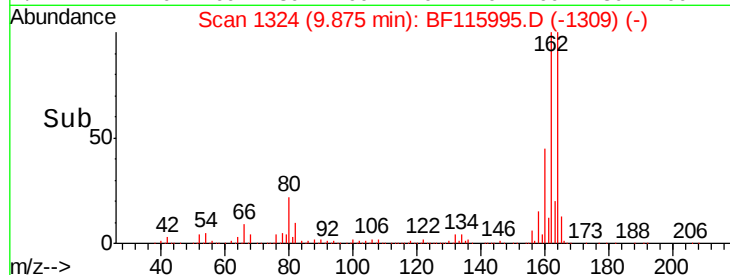


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.02 min

Lab File: BF115995.D

Acq: 5 Aug 2019 22:14

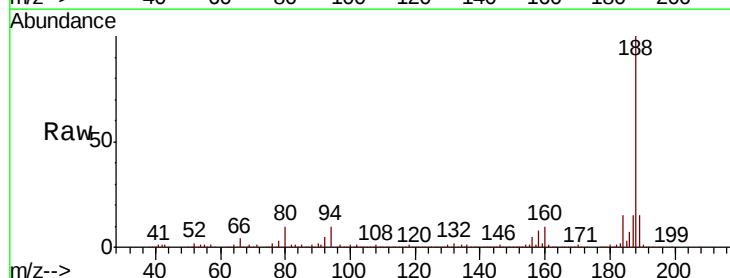
Tgt Ion:188 Resp: 489642

Ion Ratio Lower Upper

188 100

94 9.6 8.0 12.0

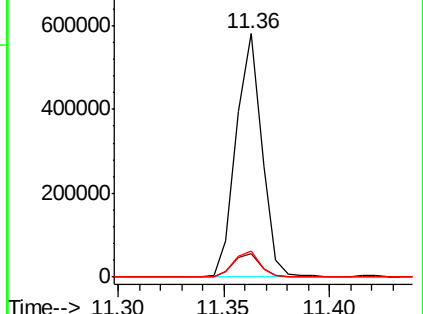
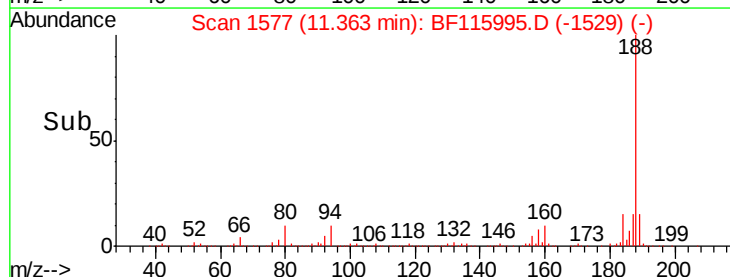
80 10.5 8.6 12.8

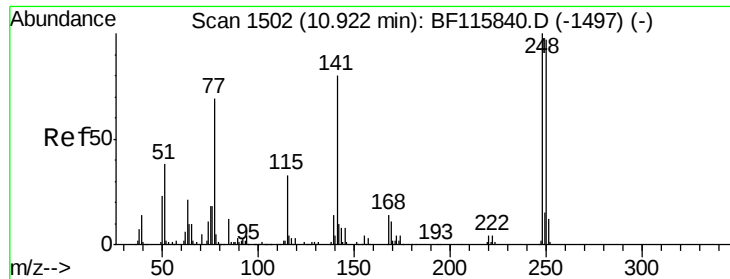


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

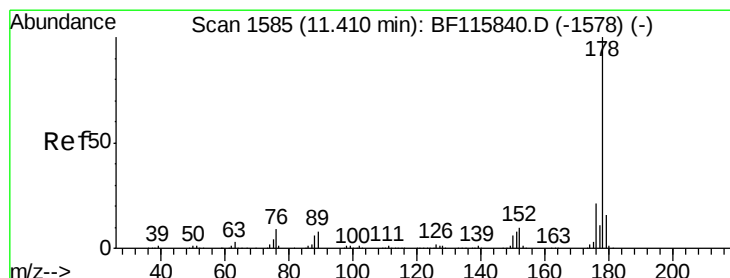
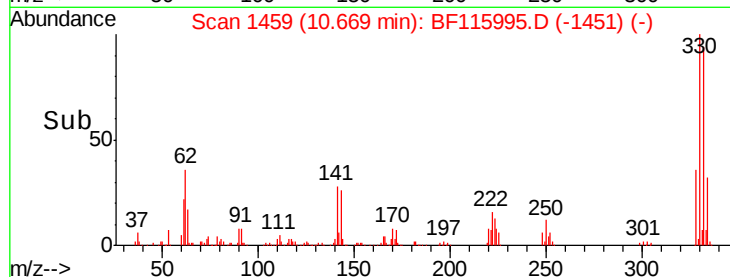
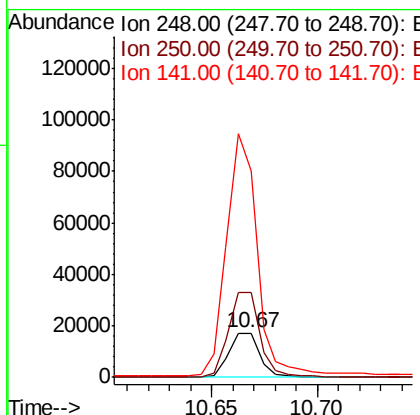
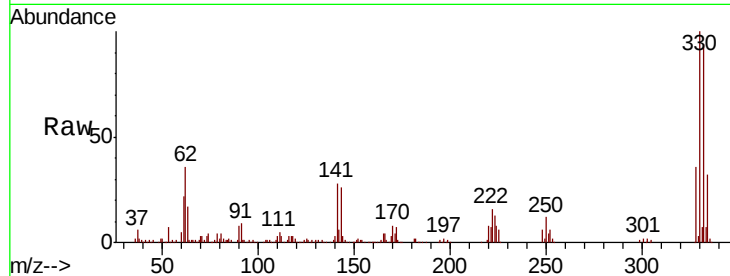




#67
 4-Bromophenyl-phenylether
 Concen: 3.320 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF115995.D
 Acq: 5 Aug 2019 22:14

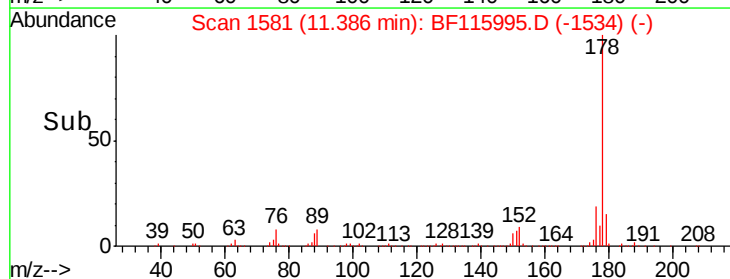
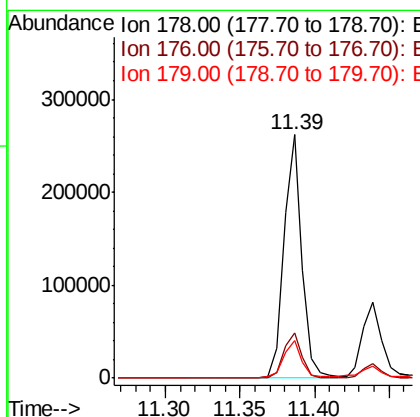
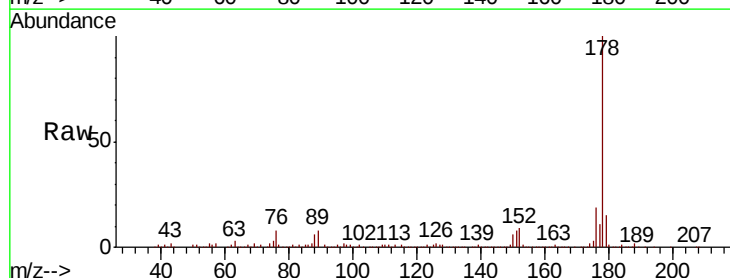
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080219-A

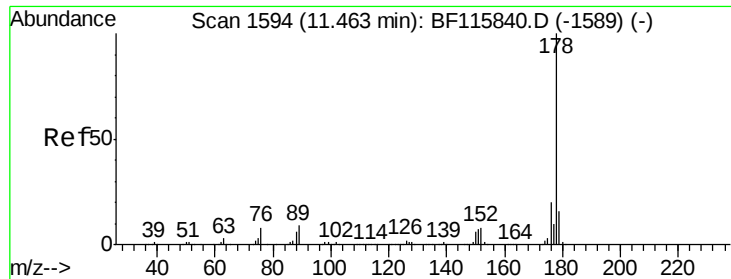
Tgt Ion:248 Resp: 17404
 Ion Ratio Lower Upper
 248 100
 250 193.3 77.8 116.6#
 141 470.3 64.3 96.5#



#71
 Phenanthrene
 Concen: 8.804 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.02 min
 Lab File: BF115995.D
 Acq: 5 Aug 2019 22:14

Tgt Ion:178 Resp: 220379
 Ion Ratio Lower Upper
 178 100
 176 18.8 16.5 24.7
 179 15.4 12.6 18.8





#72

Anthracene

Concen: 2.714 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.02 min

Lab File: BF115995.D

Acq: 5 Aug 2019 22:14

Instrument :

BNA_F

ClientSampleId :

SU-02-080219-A

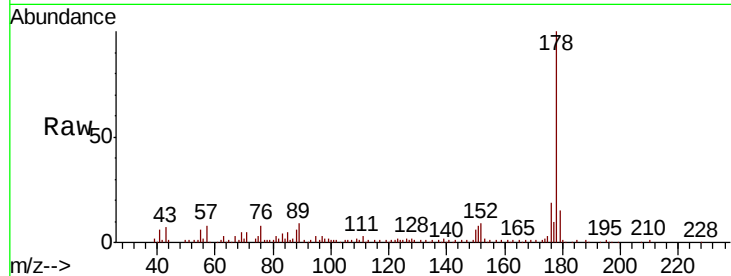
Tgt Ion:178 Resp: 68758

Ion Ratio Lower Upper

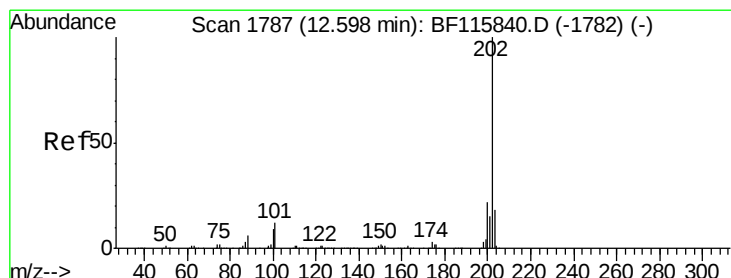
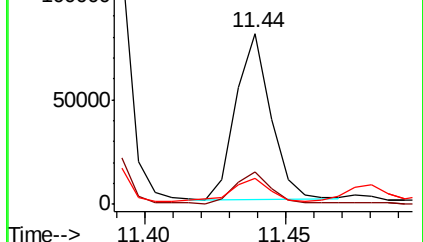
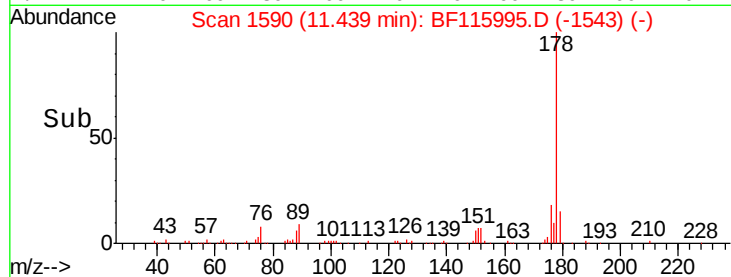
178 100

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



#75

Fluoranthene

Concen: 24.361 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.02 min

Lab File: BF115995.D

Acq: 5 Aug 2019 22:14

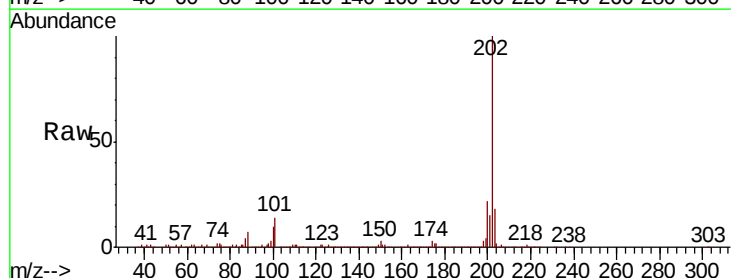
Tgt Ion:202 Resp: 638393

Ion Ratio Lower Upper

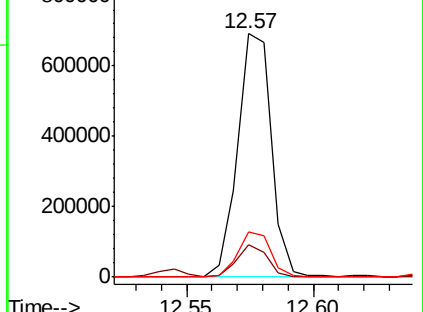
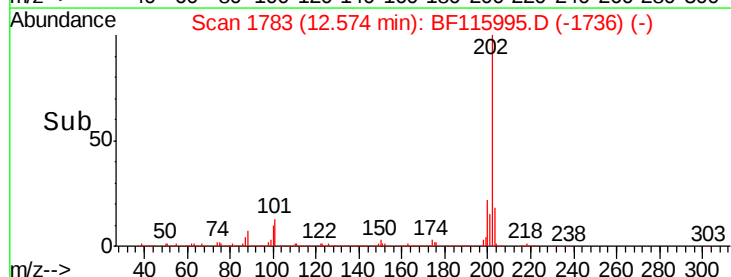
202 100

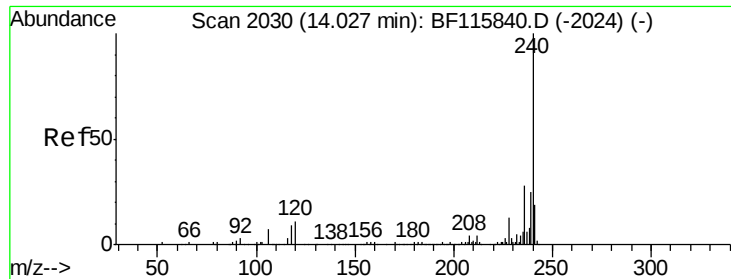
101 13.5 0.0 31.5

203 18.4 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

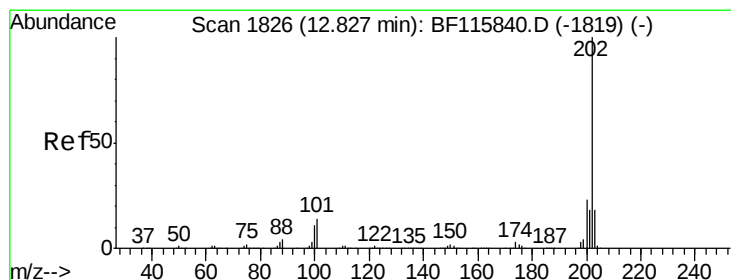
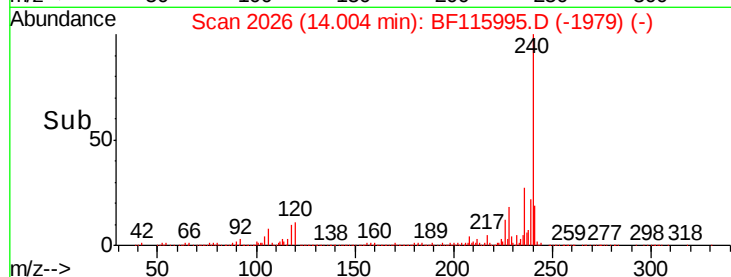
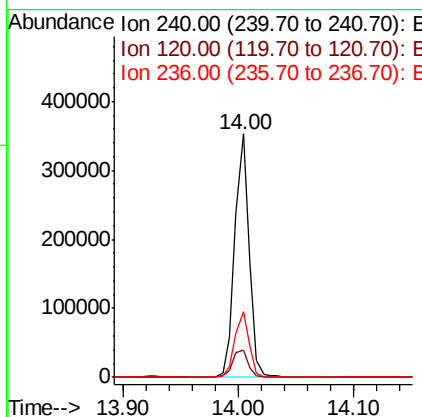
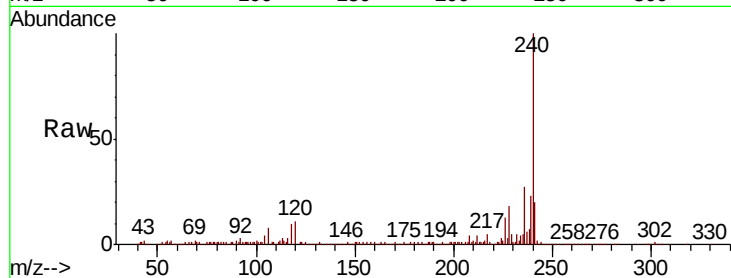




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.02 min
Lab File: BF115995.D
Acq: 5 Aug 2019 22:14

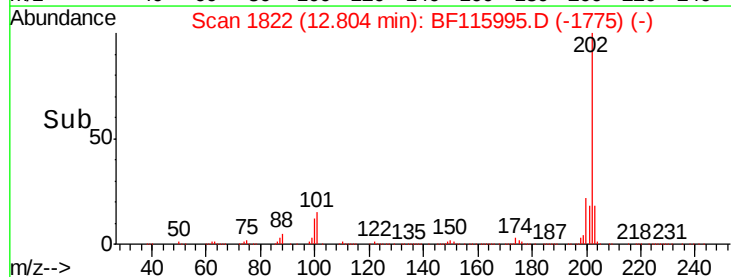
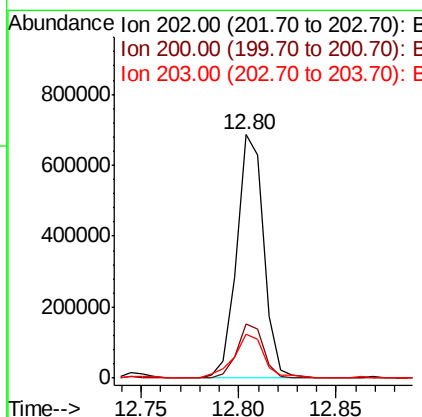
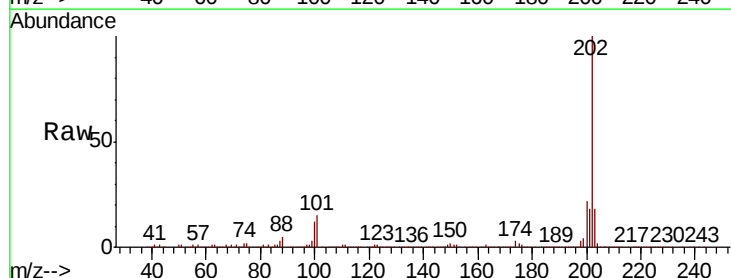
Instrument :
BNA_F
ClientSampleId :
SU-02-080219-A

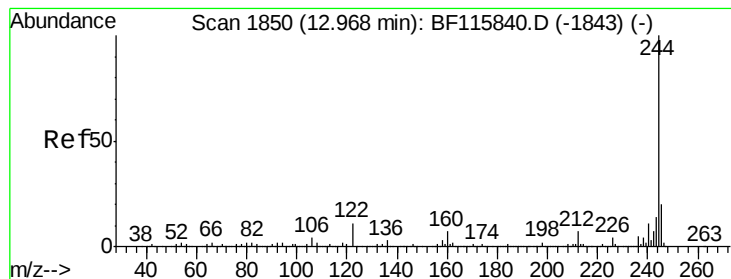
Tgt Ion:240 Resp: 300810
Ion Ratio Lower Upper
240 100
120 11.1 8.5 12.7
236 27.0 22.2 33.2



#78
Pyrene
Concen: 28.984 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.02 min
Lab File: BF115995.D
Acq: 5 Aug 2019 22:14

Tgt Ion:202 Resp: 657219
Ion Ratio Lower Upper
202 100
200 22.0 18.2 27.2
203 18.2 14.3 21.5





#79

Terphenyl-d14

Concen: 81.533 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.02 min

Lab File: BF115995.D

Acq: 5 Aug 2019 22:14

Instrument :

BNA_F

ClientSampleId :

SU-02-080219-A

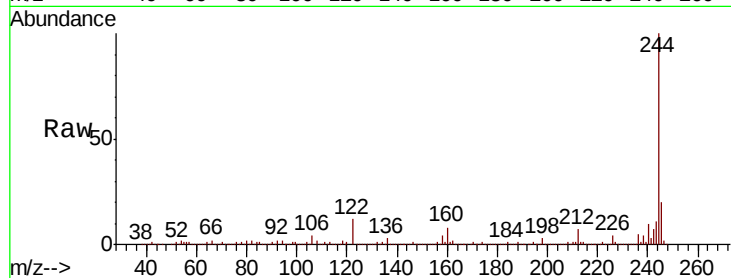
Tgt Ion:244 Resp: 1163935

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

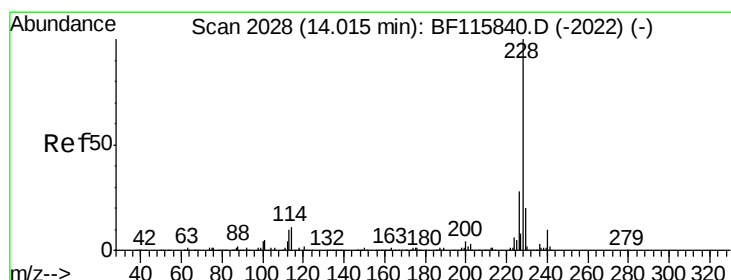
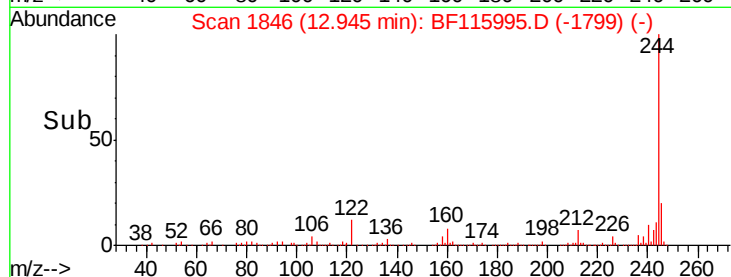
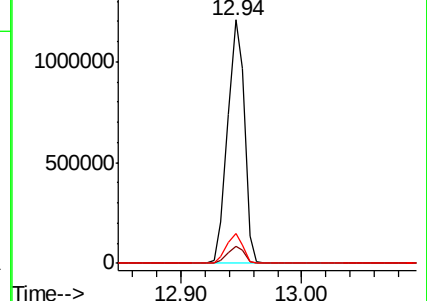
122 12.4 8.6 13.0



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: 17.553 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.02 min

Lab File: BF115995.D

Acq: 5 Aug 2019 22:14

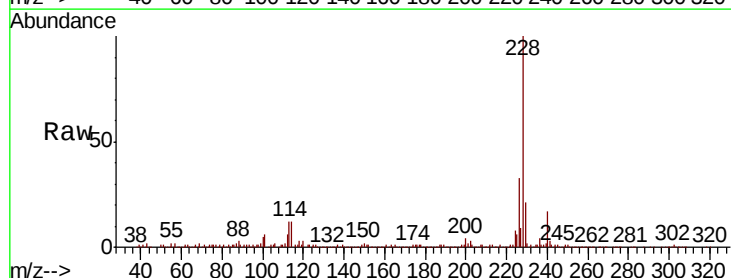
Tgt Ion:228 Resp: 337485

Ion Ratio Lower Upper

228 100

226 33.2 22.5 33.7

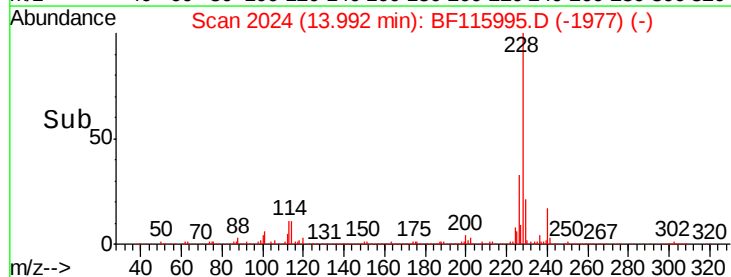
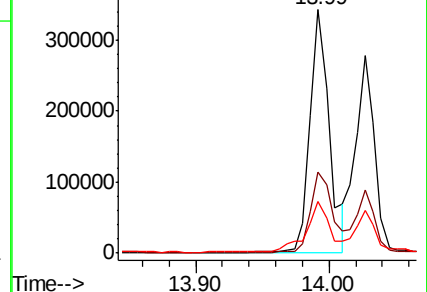
229 21.1 16.1 24.1

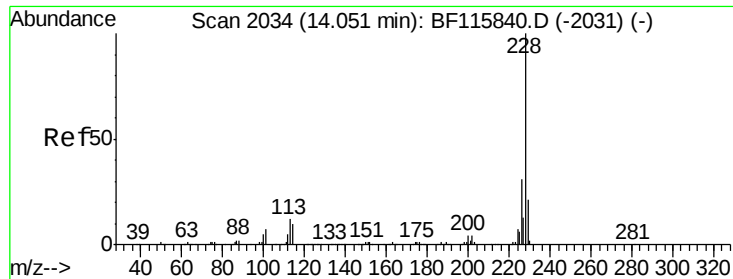


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 14.864 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.02 min

Lab File: BF115995.D

Acq: 5 Aug 2019 22:14

Instrument :

BNA_F

ClientSampleId :

SU-02-080219-A

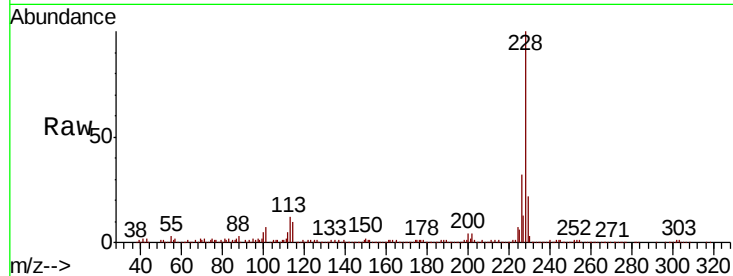
Tgt Ion: 228 Resp: 277449

Ion Ratio Lower Upper

228 100

226 31.8 24.8 37.2

229 21.8 16.4 24.6

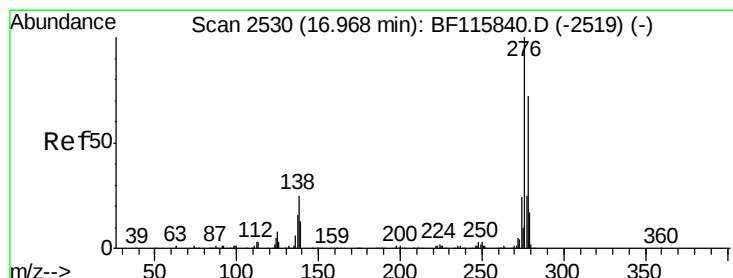
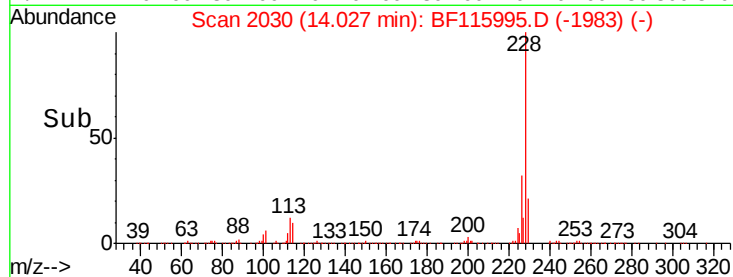
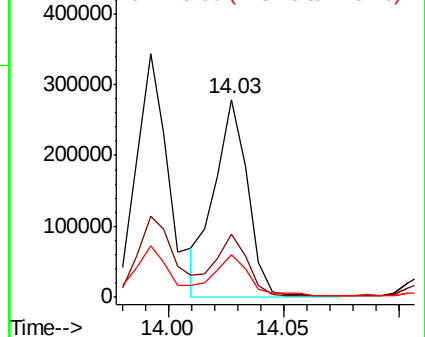


Abundance

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



#86

Indeno(1,2,3-cd)pyrene

Concen: 16.339 ng

RT: 16.93 min Scan# 2524

Delta R.T. -0.04 min

Lab File: BF115995.D

Acq: 5 Aug 2019 22:14

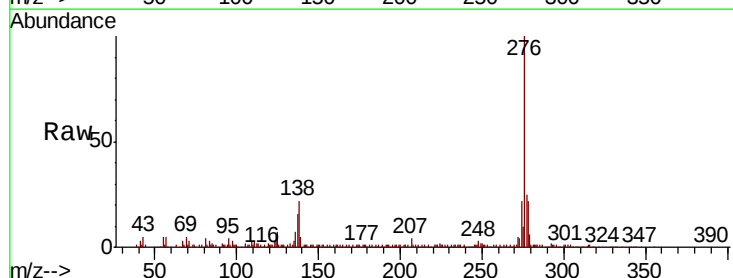
Tgt Ion: 276 Resp: 256149

Ion Ratio Lower Upper

276 100

138 21.2 19.6 29.4

277 23.7 20.1 30.1

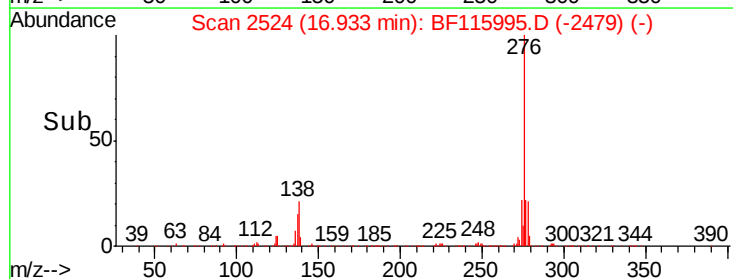
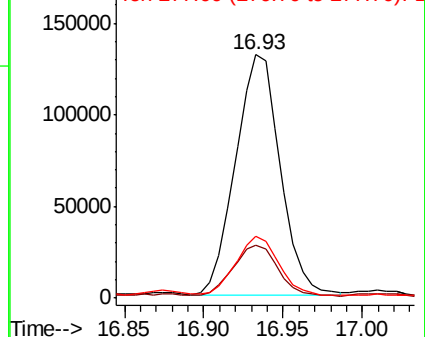


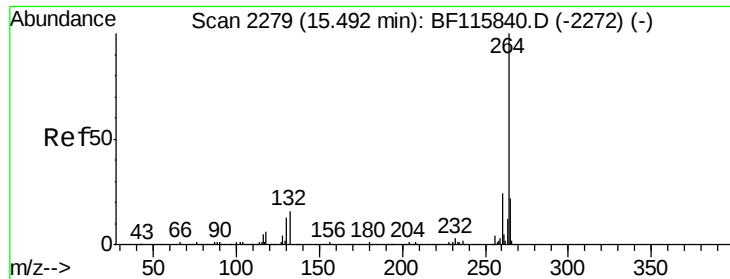
Abundance

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

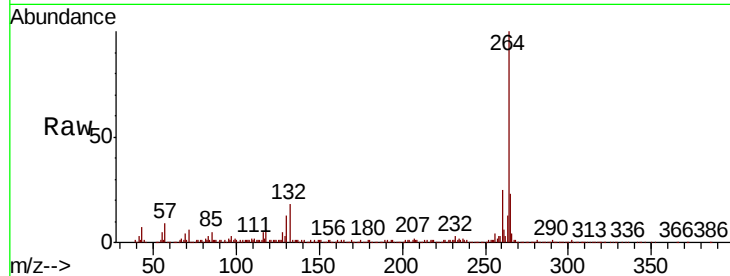




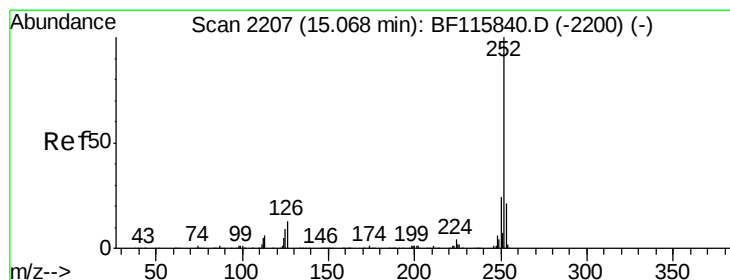
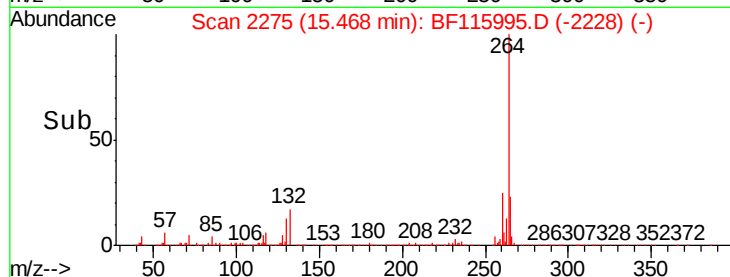
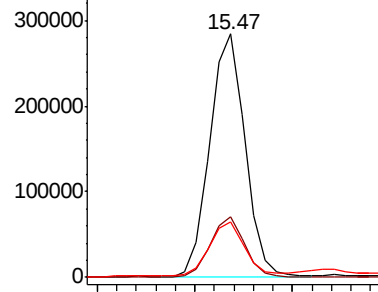
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.02 min
Lab File: BF115995.D
Acq: 5 Aug 2019 22:14

Instrument :
BNA_F
ClientSampleId :
SU-02-080219-A

Tgt Ion:	264	Resp:	355511
Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.4	29.2
265	23.0	17.5	26.3

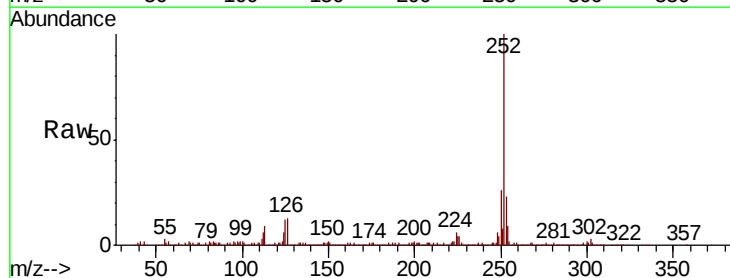


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

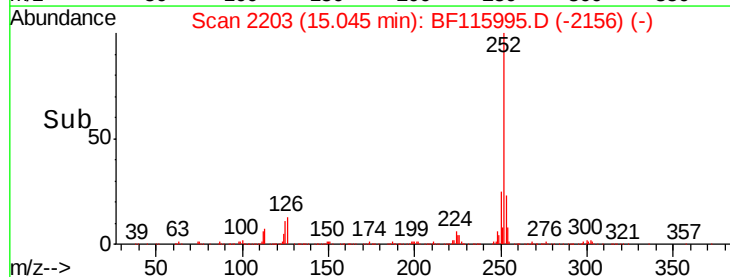
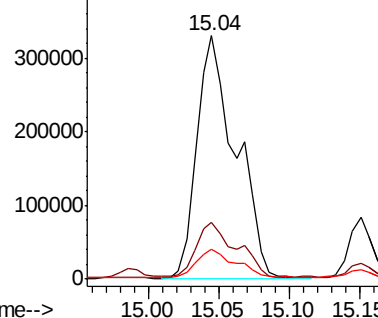


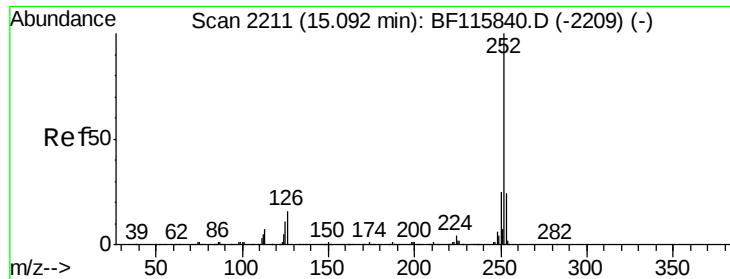
#88
Benzo(b)fluoranthene
Concen: 30.783 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.02 min
Lab File: BF115995.D
Acq: 5 Aug 2019 22:14

Tgt Ion:	252	Resp:	632775
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	12.3	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

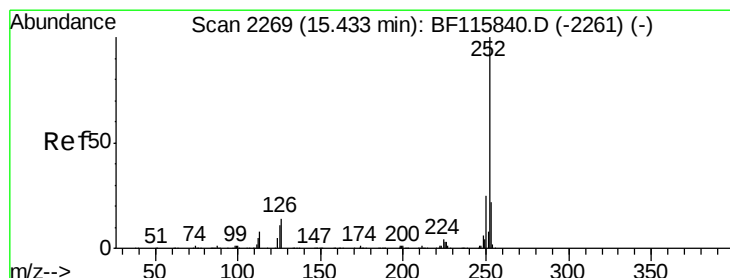
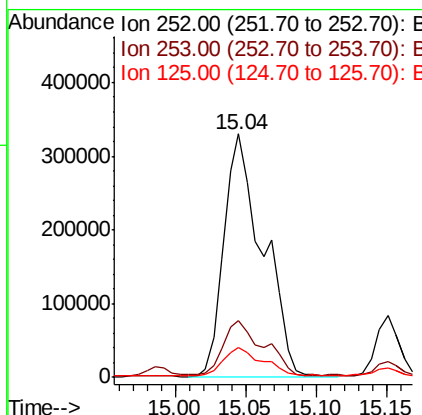
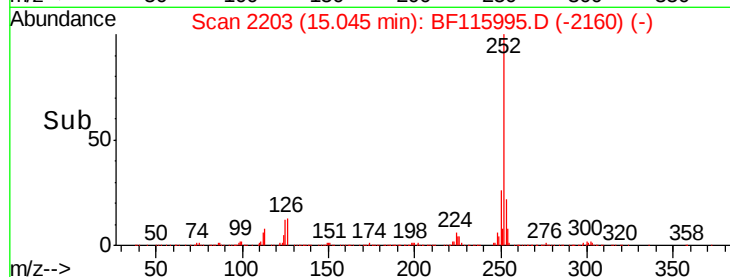
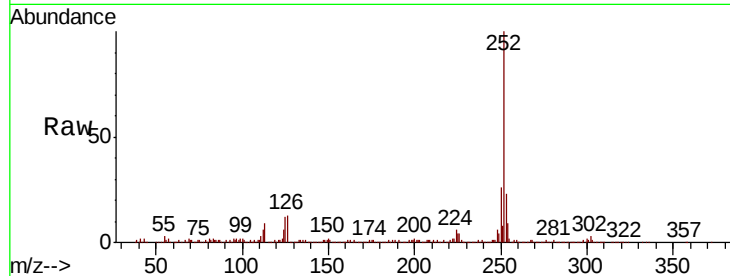




#89
Benzo(k)fluoranthene
Concen: 31.604 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.05 min
Lab File: BF115995.D
Acq: 5 Aug 2019 22:14

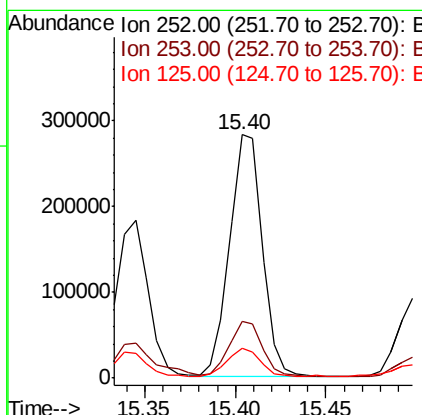
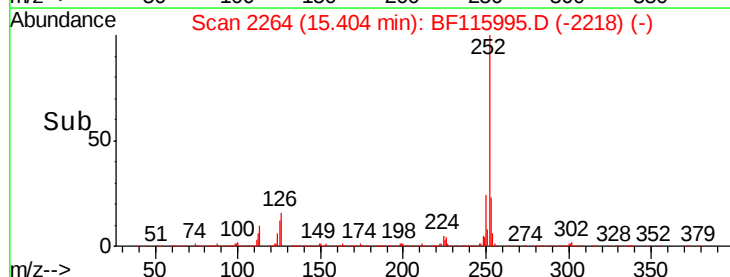
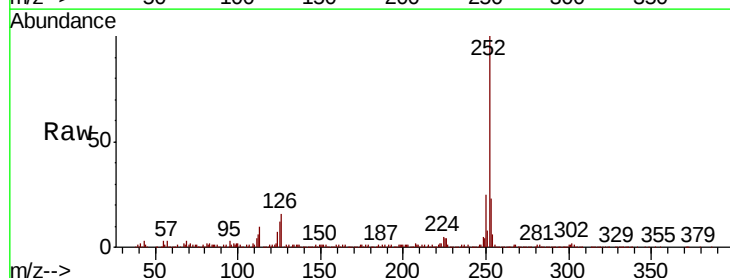
Instrument :
BNA_F
ClientSampleId :
SU-02-080219-A

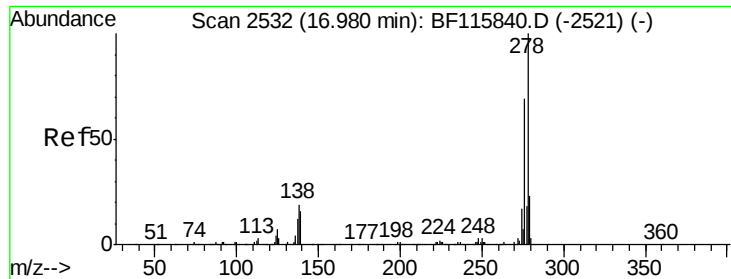
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.4
125	12.3	8.9	13.3



#90
Benzo(a)pyrene
Concen: 19.464 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.03 min
Lab File: BF115995.D
Acq: 5 Aug 2019 22:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	12.5	8.8	13.2





#91

Dibenzo(a,h)anthracene

Concen: 4.013 ng

RT: 16.94 min Scan# 2525

Delta R.T. -0.04 min

Lab File: BF115995.D

Acq: 5 Aug 2019 22:14

Instrument :

BNA_F

ClientSampleId :

SU-02-080219-A

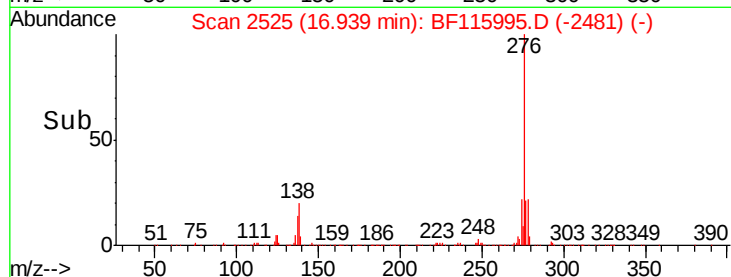
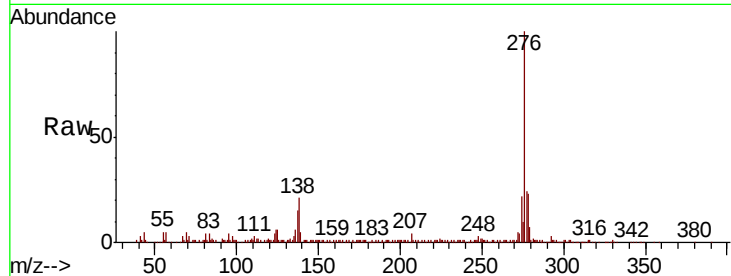
Tgt Ion: 278 Resp: 63837

Ion Ratio Lower Upper

278 100

139 22.6 12.6 19.0#

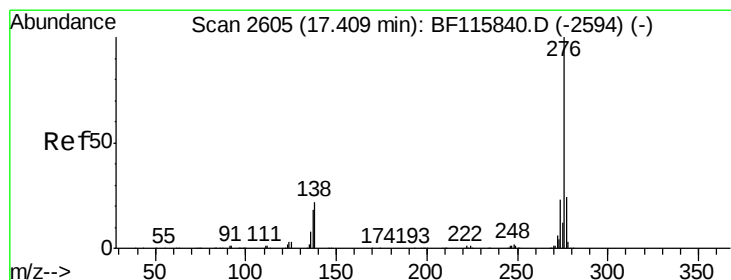
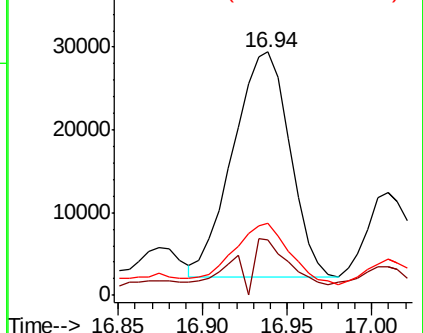
279 29.4 18.8 28.2#



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: 14.856 ng

RT: 17.37 min Scan# 2599

Delta R.T. -0.04 min

Lab File: BF115995.D

Acq: 5 Aug 2019 22:14

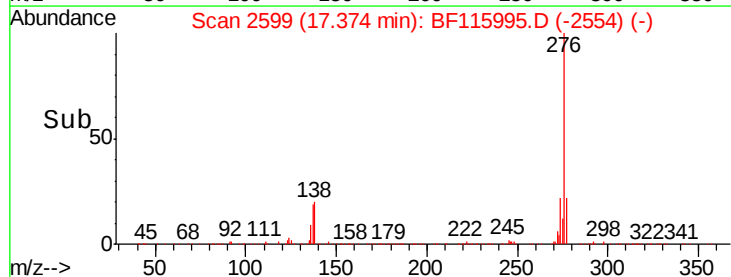
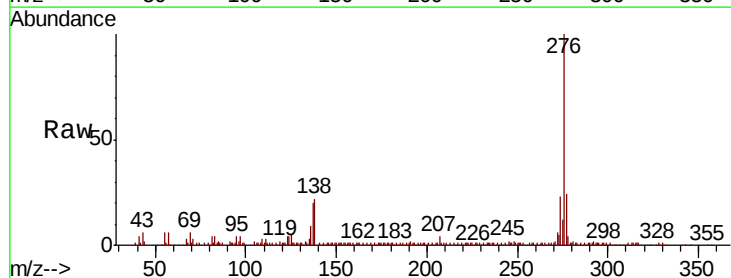
Tgt Ion: 276 Resp: 232062

Ion Ratio Lower Upper

276 100

277 23.9 19.5 29.3

138 22.2 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

