

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF033020\
 Data File : BF119635.D
 Acq On : 30 Mar 2020 16:17
 Operator : MA/SJ
 Sample : L2049-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-4-(1-3)

Quant Time: Mar 30 16:46:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 07:52:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	326115	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1177759	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	549966	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	886539	20.00	ng	0.00
76) Chrysene-d12	14.01	240	567468	20.00	ng	0.00
87) Perylene-d12	15.48	264	545774	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1626990	79.42	ng	0.00
7) Phenol-d6	6.46	99	2203119	84.19	ng	0.00
23) Nitrobenzene-d5	7.39	82	1095036	50.53	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	279298	49.23	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2379870	64.11	ng	0.00
79) Terphenyl-d14	12.96	244	1945407	67.17	ng	0.00

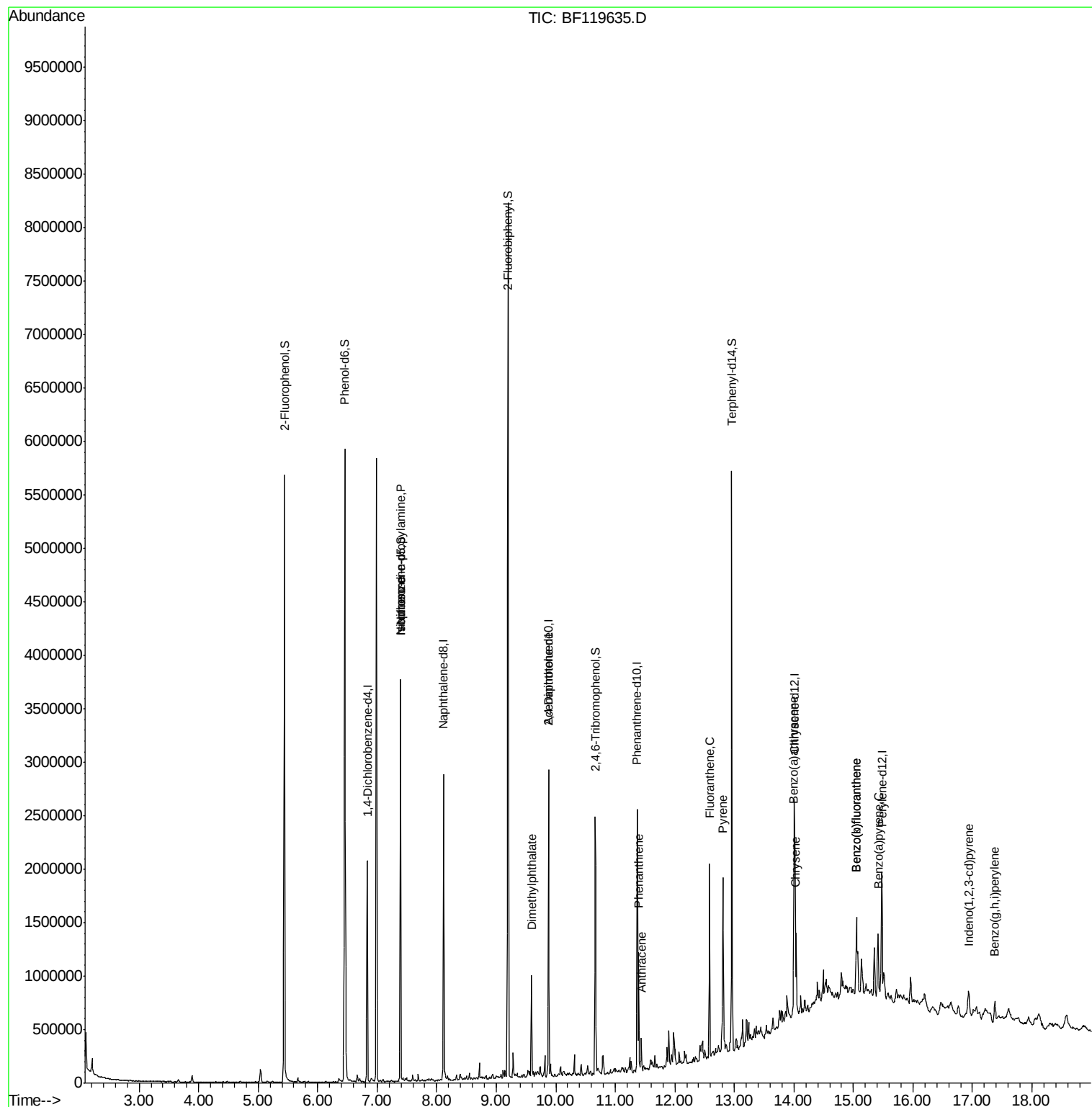
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.39	70	140434	8.903	ng	# 76
25) Isophorone	7.39	82	1084980	24.681	ng	# 65
50) Dimethylphthalate	9.59	163	333378	8.534	ng	100
57) 2,4-Dinitrotoluene	9.88	165	73339	6.953	ng	# 20
71) Phenanthrene	11.39	178	394819	8.589	ng	96
72) Anthracene	11.44	178	106120	2.271	ng	99
75) Fluoranthene	12.58	202	693617	13.942	ng	98
78) Pyrene	12.81	202	654200	14.047	ng	97
81) Benzo(a)anthracene	14.00	228	344425	9.334	ng	98
83) Chrysene	14.04	228	328813	8.634	ng	97
86) Indeno(1,2,3-cd)pyrene	16.93	276	176354	4.917	ng	99
88) Benzo(b)fluoranthene	15.05	252	571897	15.687	ng	# 95
89) Benzo(k)fluoranthene	15.05	252	571897	16.474	ng	# 96
90) Benzo(a)pyrene	15.42	252	303931	9.173	ng	99
92) Benzo(a,h,i)perylene	17.37	276	166533	5.720	ng	97

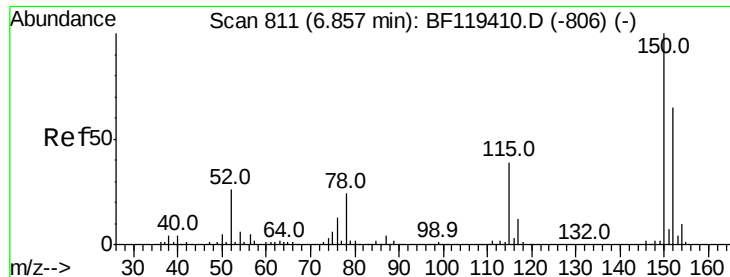
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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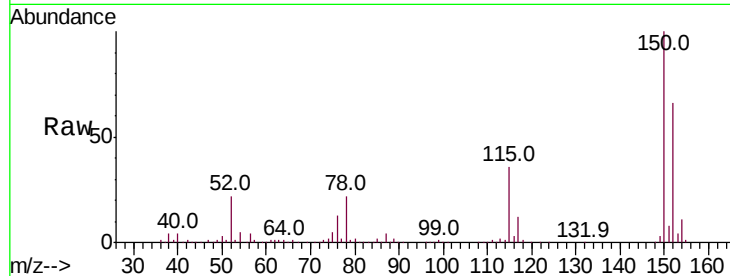


#1

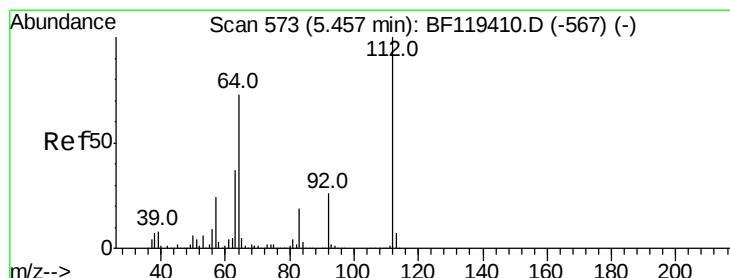
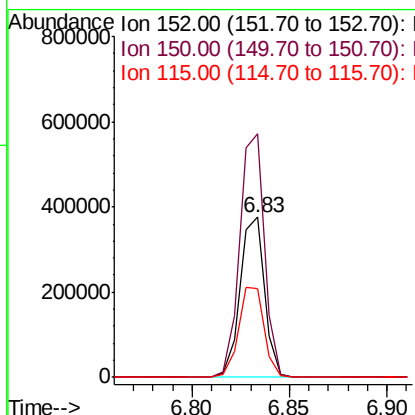
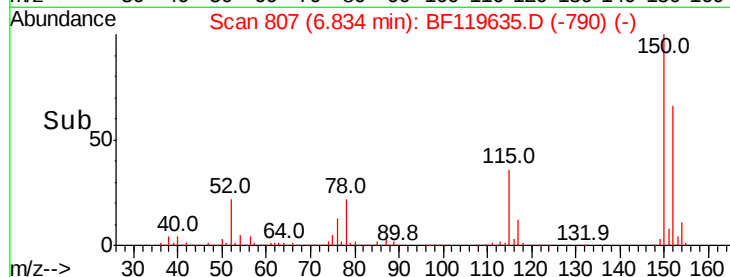
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.00 min
Lab File: BF119635.D
Acq: 30 Mar 2020 16:17

Instrument :
BNA_M
ClientSampleId :
SB-4-(1-3)

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.5	186.7
115	55.5	49.6	74.4



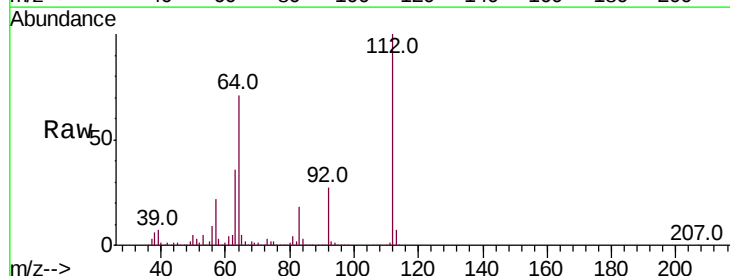
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



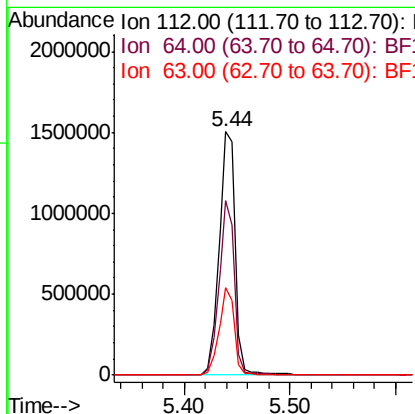
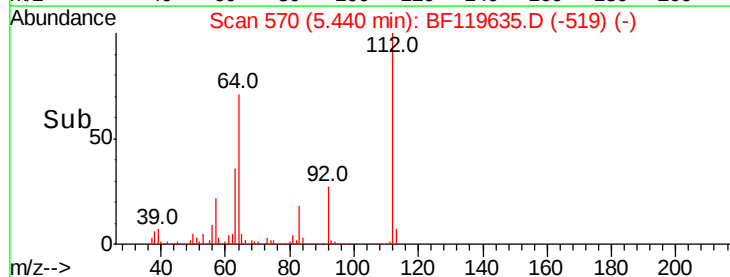
#5

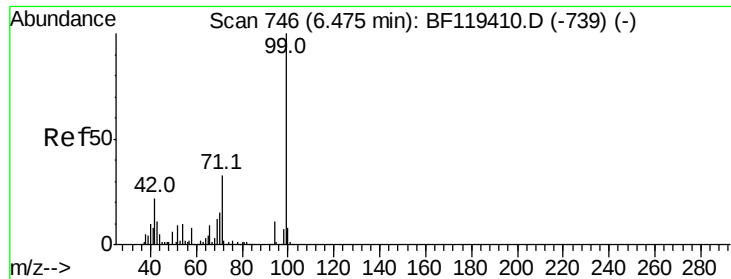
2-Fluorophenol
Concen: 79.420 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.00 min
Lab File: BF119635.D
Acq: 30 Mar 2020 16:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.4	56.7	85.1
63	35.9	29.5	44.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 84.187 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF119635.D

Acq: 30 Mar 2020 16:17

Instrument :

BNA_M

ClientSampleId :

SB-4-(1-3)

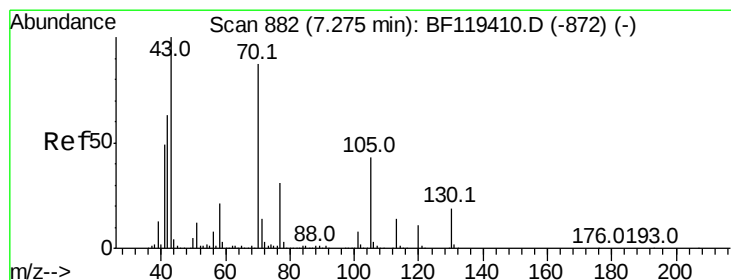
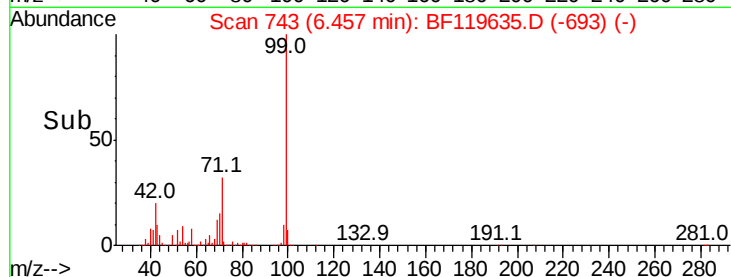
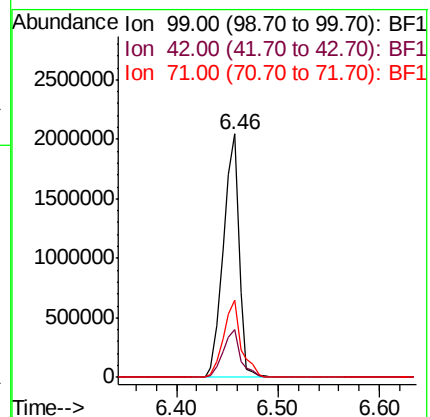
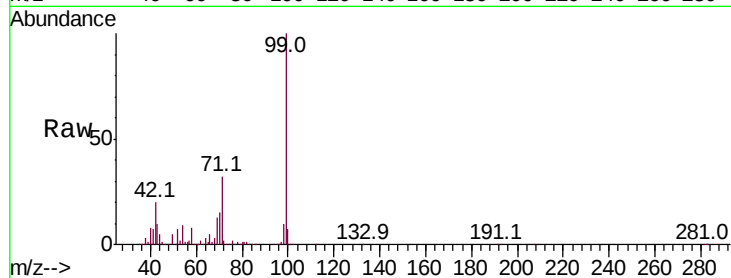
Tot Ion: 99 Resp: 2203119

Ion Ratio Lower Upper

99 100

42 19.6 16.6 24.8

71 31.6 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 8.903 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.14 min

Lab File: BF119635.D

Acq: 30 Mar 2020 16:17

Tgt Ion: 70 Resp: 140434

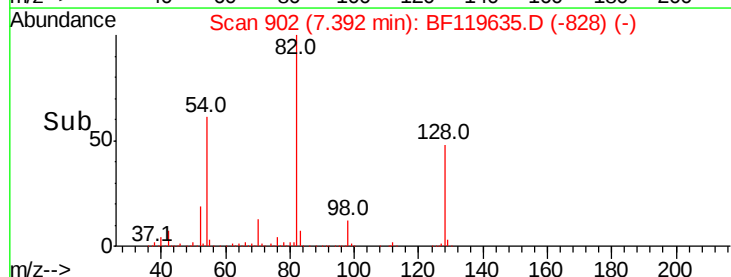
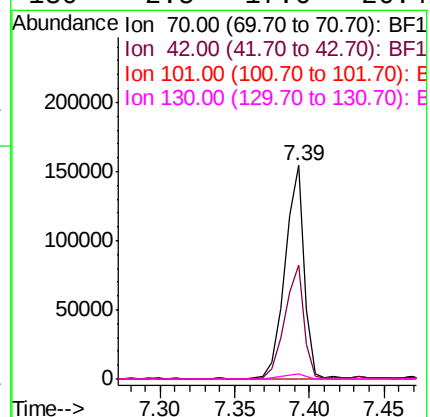
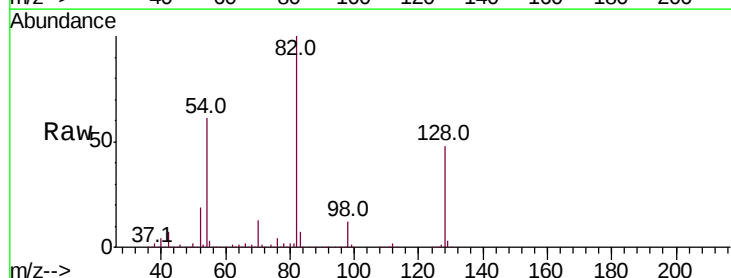
Ion Ratio Lower Upper

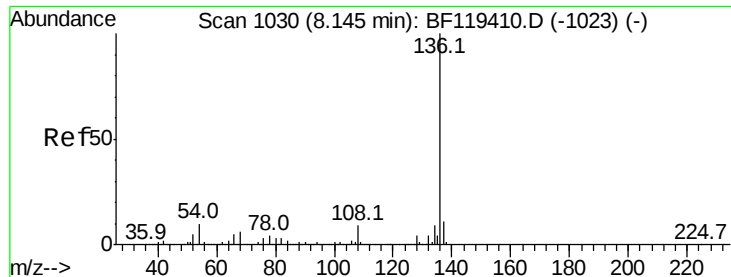
70 100

42 53.6 54.5 81.7#

101 0.0 7.6 11.4#

130 2.5 17.6 26.4#

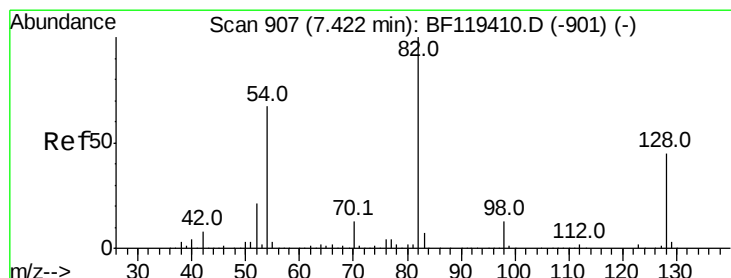
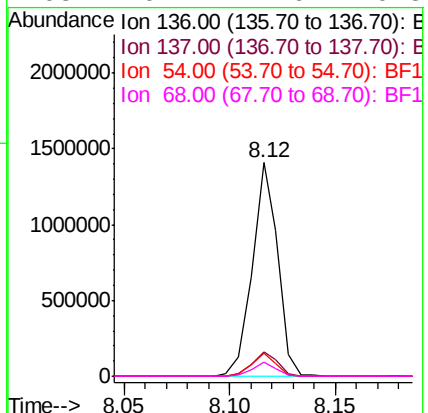
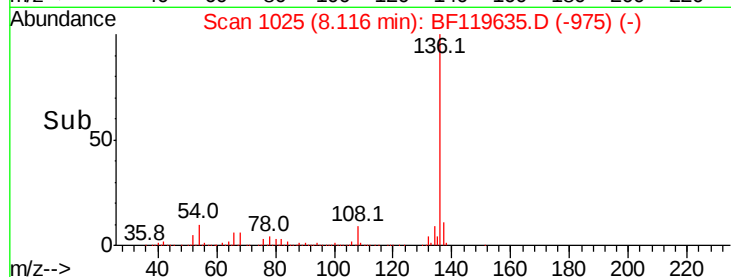
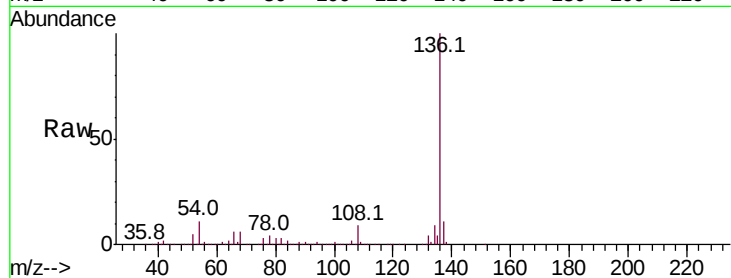




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF119635.D
Acq: 30 Mar 2020 16:17

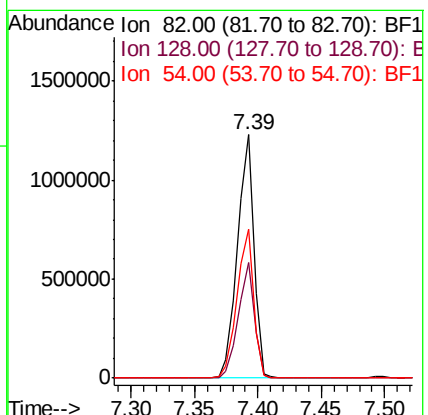
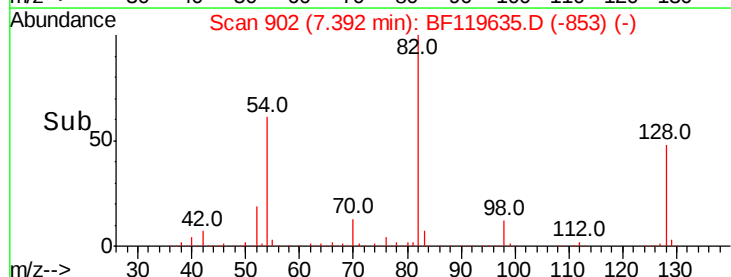
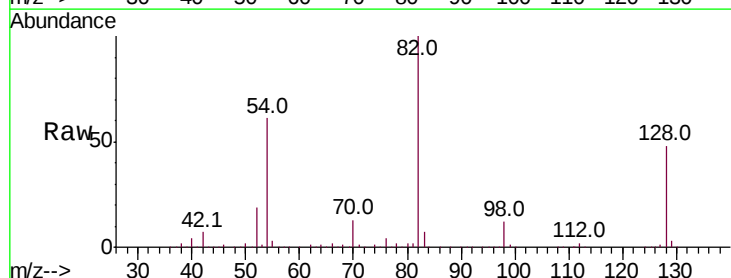
Instrument :
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ClientSampleId :
SB-4-(1-3)

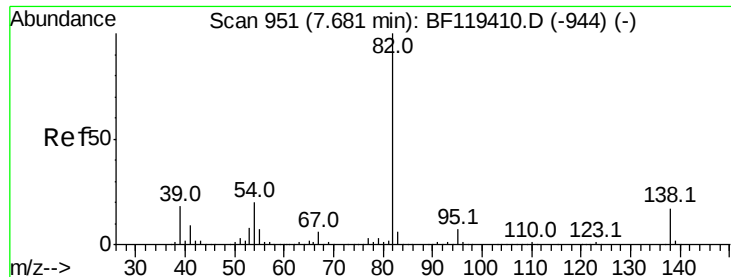
Tot Ion:136 Resp: 1177759
Ion Ratio Lower Upper
136 100
137 11.4 8.7 13.1
54 10.5 9.1 13.7
68 6.4 4.6 6.8



#23
Nitrobenzene-d5
Concen: 50.531 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF119635.D
Acq: 30 Mar 2020 16:17

Tgt Ion: 82 Resp: 1095036
Ion Ratio Lower Upper
82 100
128 47.6 36.3 54.5
54 61.1 50.6 75.8





#25

Isophorone

Concen: 24.681 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.27 min

Lab File: BF119635.D

Acq: 30 Mar 2020 16:17

Instrument :

BNA_M

ClientSampleId :

SB-4-(1-3)

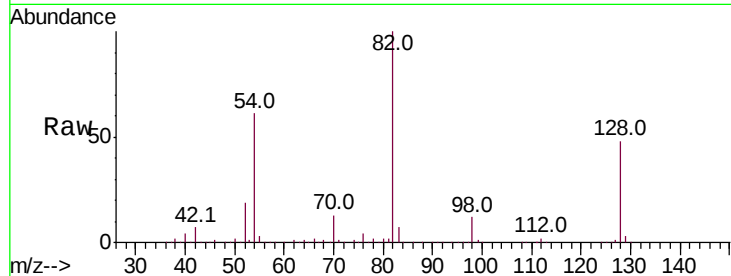
Tot Ion: 82 Resp: 1084980

Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.6#

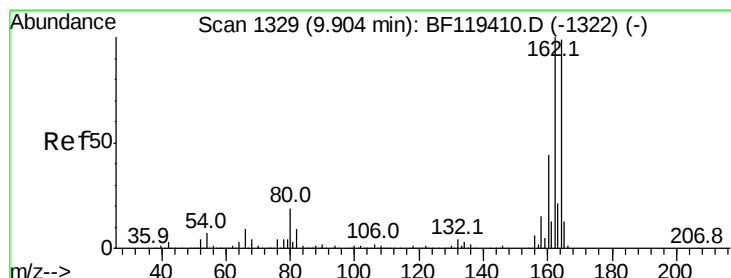
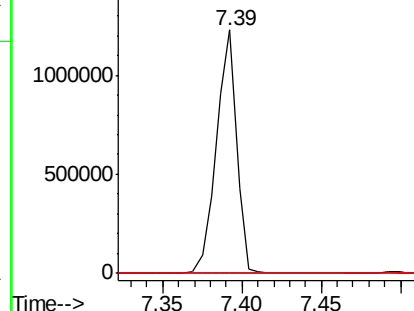
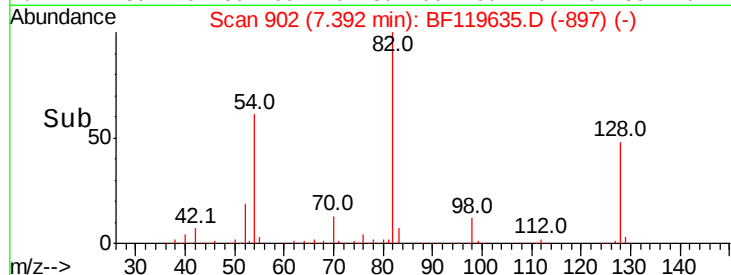
138 0.0 14.6 21.8#



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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF119635.D

Acq: 30 Mar 2020 16:17

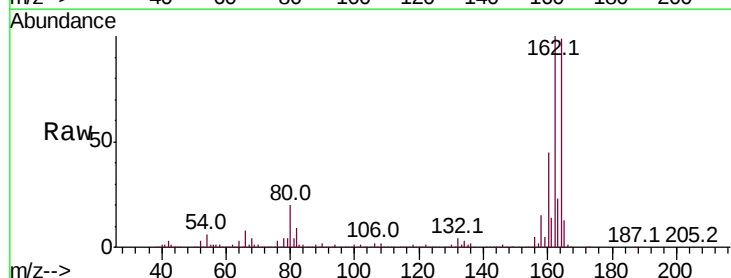
Tgt Ion:164 Resp: 549966

Ion Ratio Lower Upper

164 100

162 101.1 80.6 121.0

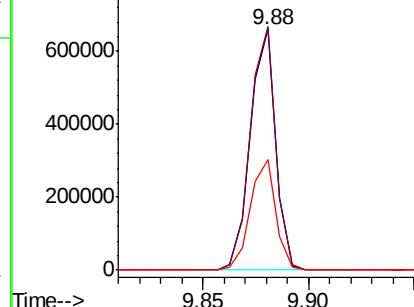
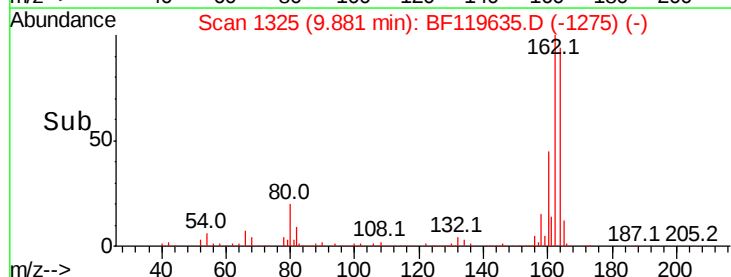
160 45.8 35.7 53.5

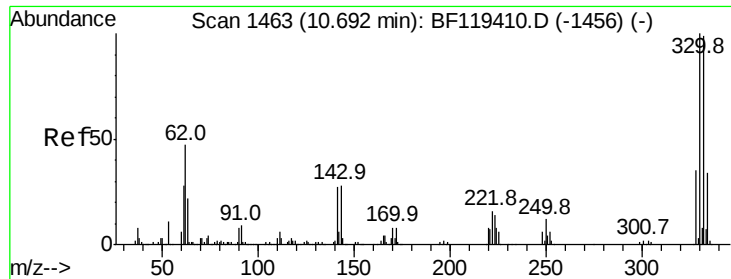


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

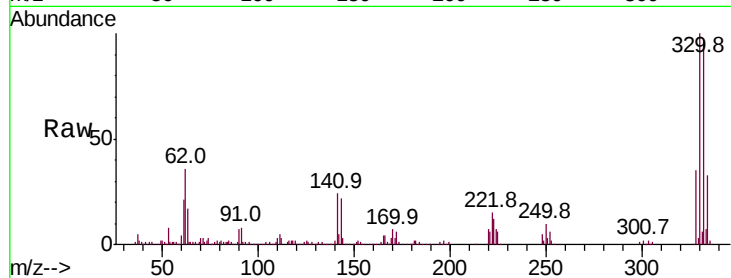




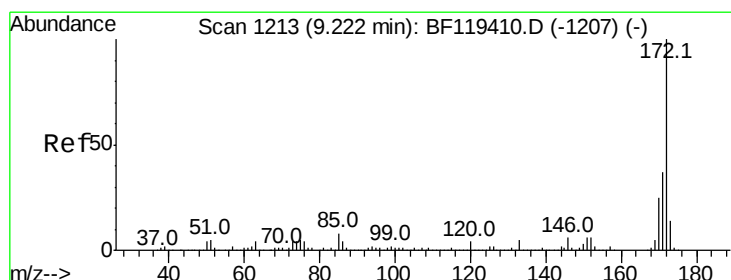
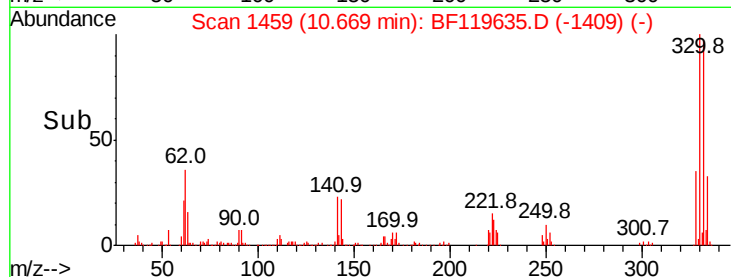
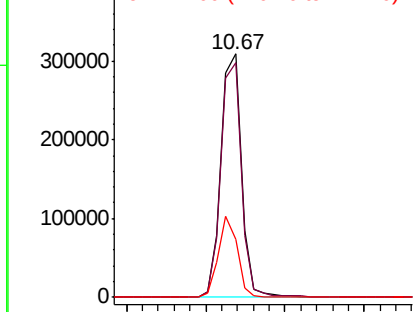
#42
 2,4,6-Tribromophenol
 Concen: 49.226 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF119635.D
 Acq: 30 Mar 2020 16:17

Instrument :
 BNA_M
 ClientSampleId :
 SB-4-(1-3)

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	75.7	113.5
141	30.5	25.4	38.0

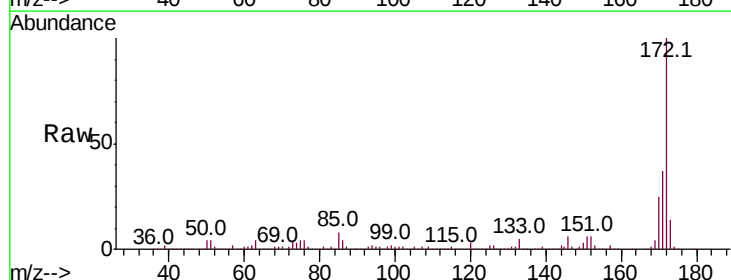


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

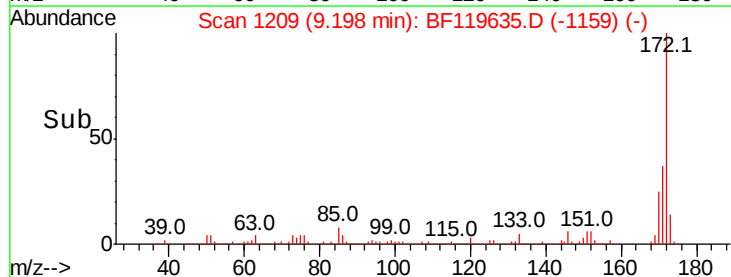
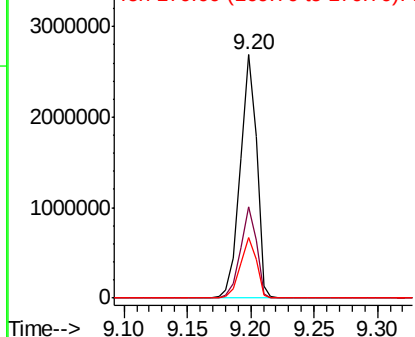


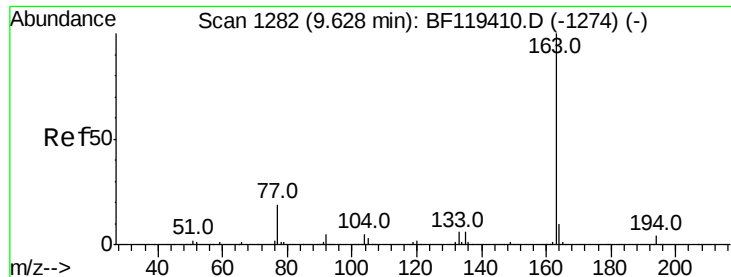
#45
 2-Fluorobiphenyl
 Concen: 64.108 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF119635.D
 Acq: 30 Mar 2020 16:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.6	44.4
170	25.1	20.2	30.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 8.534 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF119635.D

Acq: 30 Mar 2020 16:17

Instrument :

BNA_M

ClientSampled :

SB-4-(1-3)

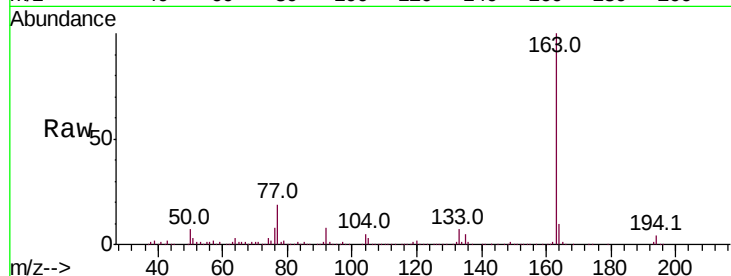
Tot Ion:163 Resp: 333378

Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

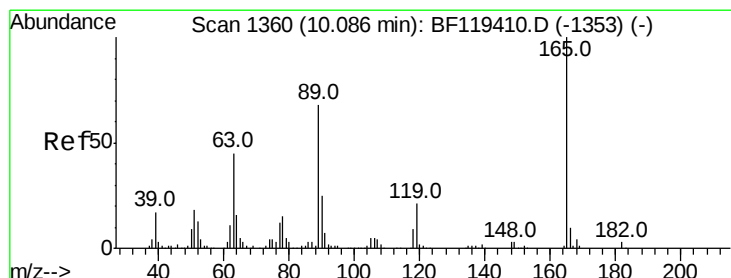
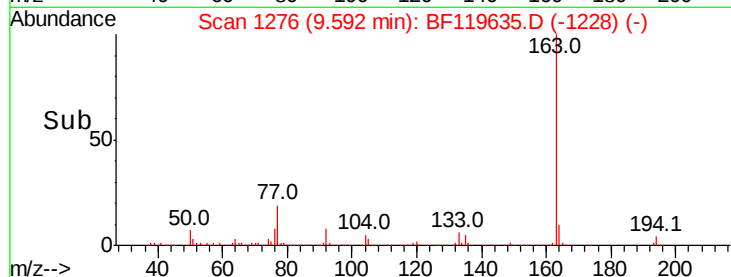
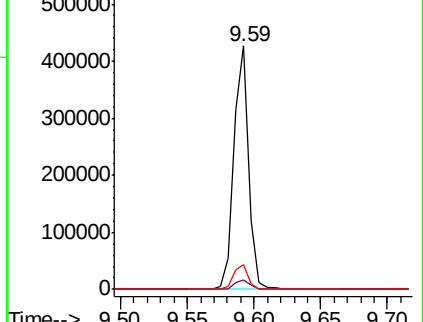
164 10.0 8.2 12.2



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: 6.953 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF119635.D

Acq: 30 Mar 2020 16:17

Tgt Ion:165 Resp: 73339

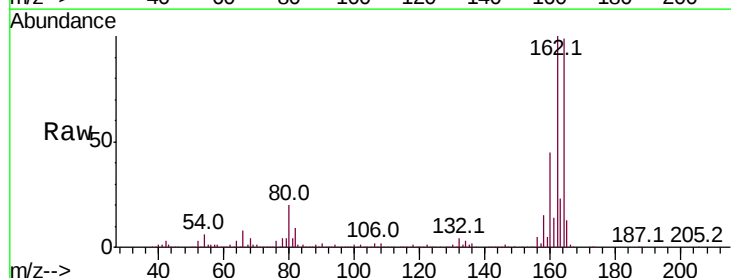
Ion Ratio Lower Upper

165 100

63 1.3 42.6 64.0#

89 1.1 61.0 91.4#

182 0.0 2.2 3.2#

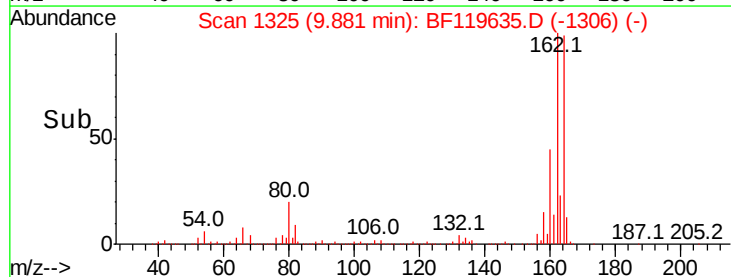
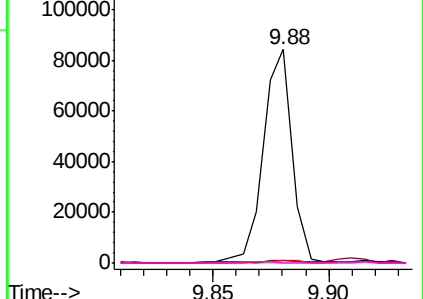


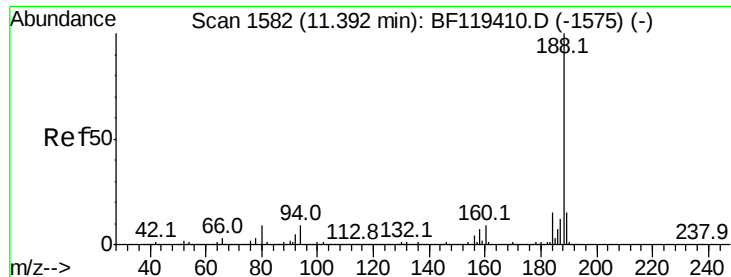
Abundance Ion 165.00 (164.70 to 165.70): E

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

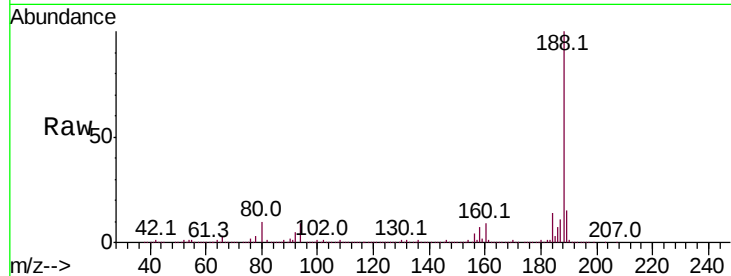




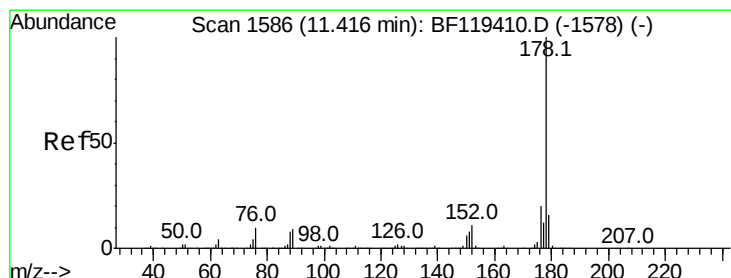
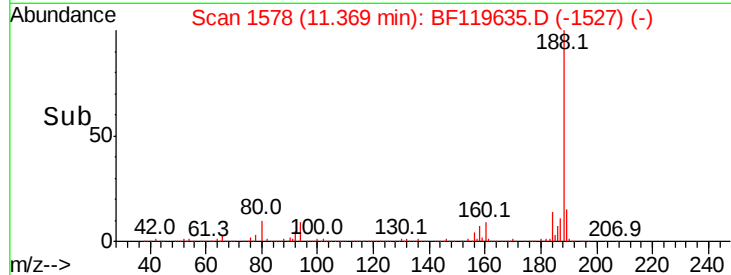
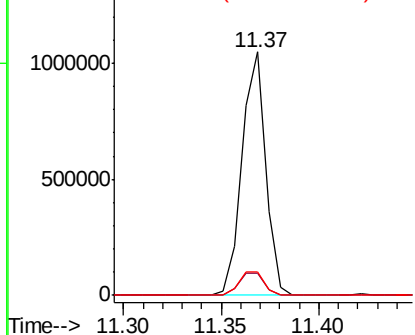
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: BF119635.D
 Acq: 30 Mar 2020 16:17

Instrument :
 BNA_M
 ClientSampleId :
 SB-4-(1-3)

Tot Ion:188 Resp: 886539
 Ion Ratio Lower Upper
 188 100
 94 9.2 7.5 11.3
 80 9.7 9.0 13.4

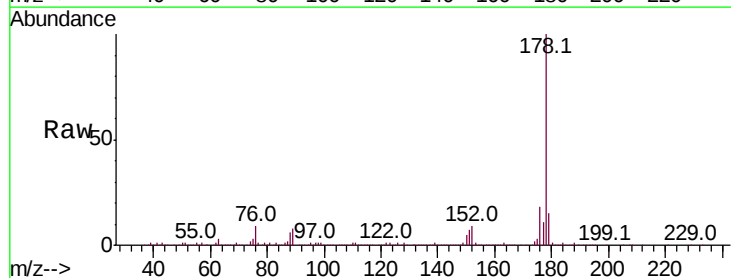


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

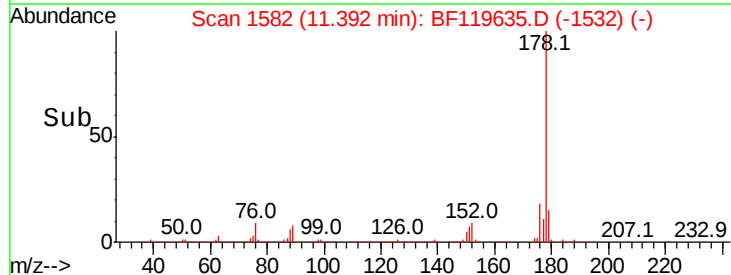
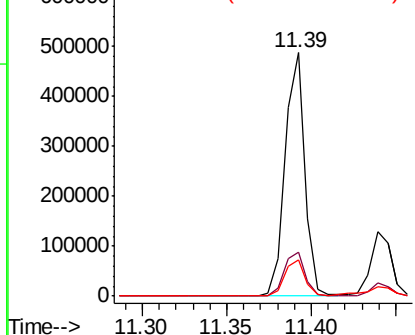


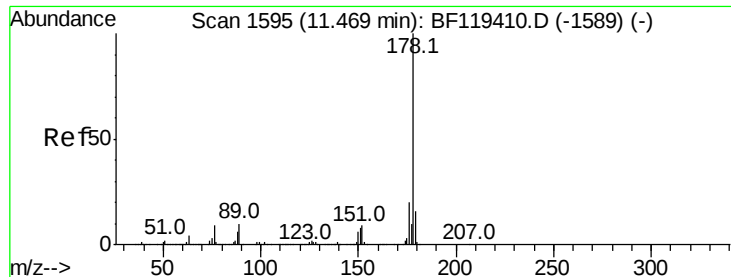
#71
 Phenanthrene
 Concen: 8.589 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF119635.D
 Acq: 30 Mar 2020 16:17

Tgt Ion:178 Resp: 394819
 Ion Ratio Lower Upper
 178 100
 176 18.3 16.2 24.4
 179 15.1 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: 2.271 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF119635.D

Acq: 30 Mar 2020 16:17

Instrument :

BNA_M

ClientSampleId :

SB-4-(1-3)

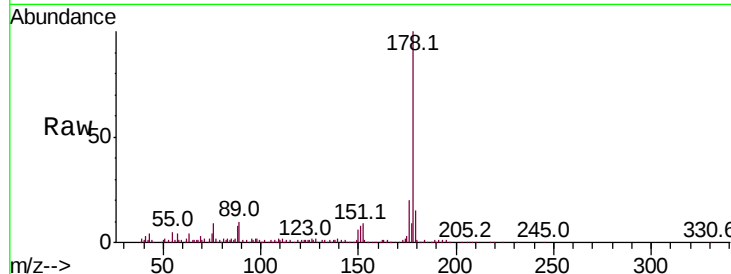
Tot Ion:178 Resp: 106120

Ion Ratio Lower Upper

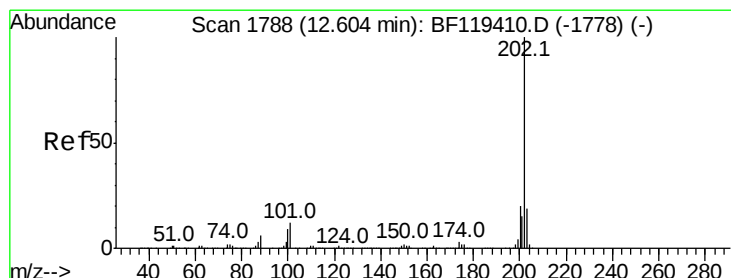
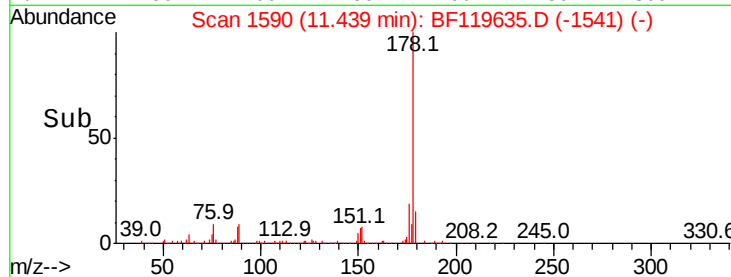
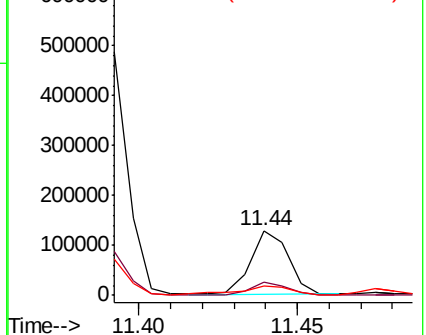
178 100

176 19.7 16.1 24.1

179 15.4 13.0 19.4



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: 13.942 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF119635.D

Acq: 30 Mar 2020 16:17

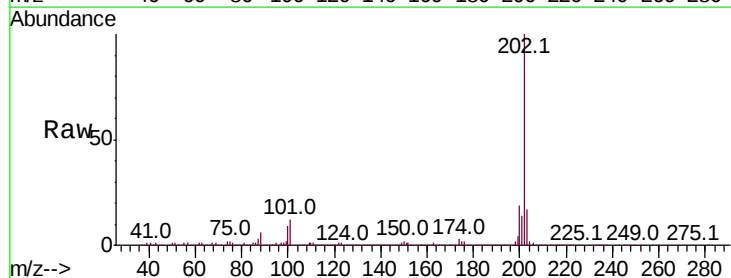
Tgt Ion:202 Resp: 693617

Ion Ratio Lower Upper

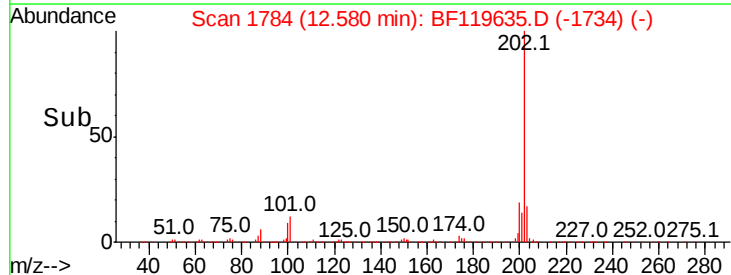
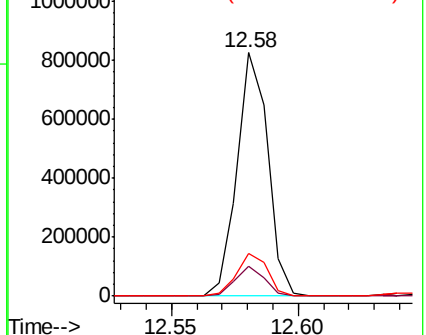
202 100

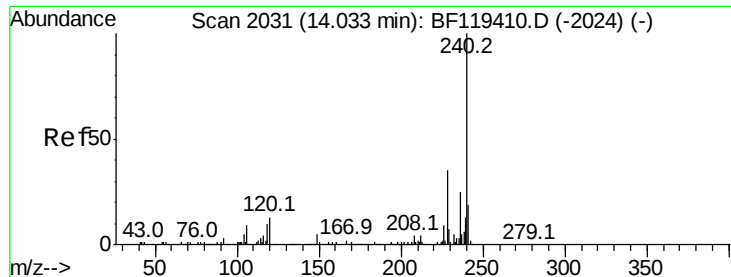
101 12.4 0.0 32.2

203 17.4 0.0 38.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

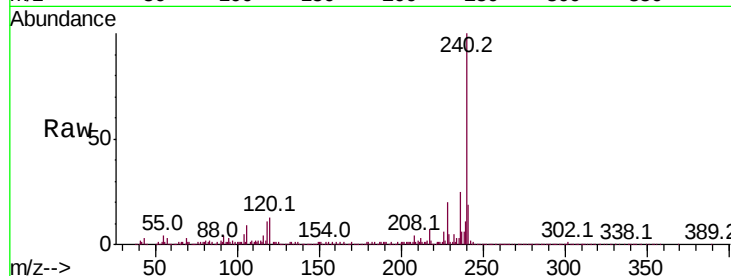




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF119635.D
Acq: 30 Mar 2020 16:17

Instrument :
BNA_M
ClientSampleId :
SB-4-(1-3)

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.5	10.6	15.8
236	24.9	20.2	30.2

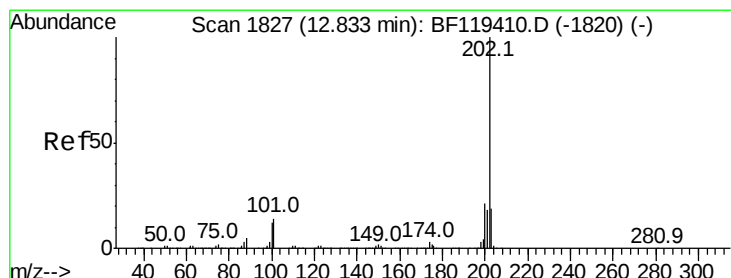
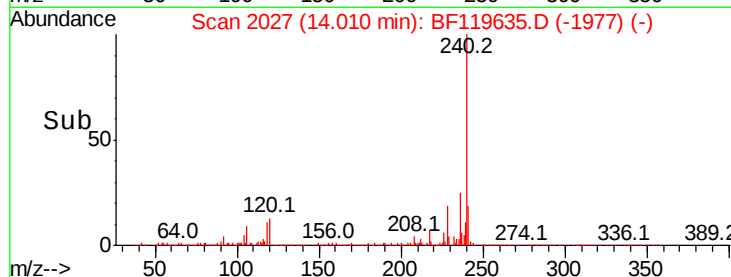
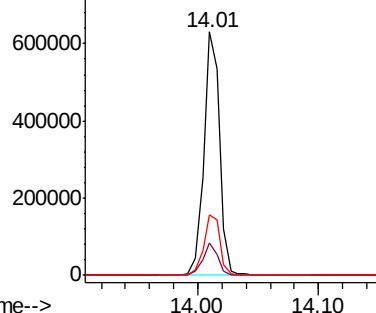


Abundance

Ion 240.00 (239.70 to 240.70): E

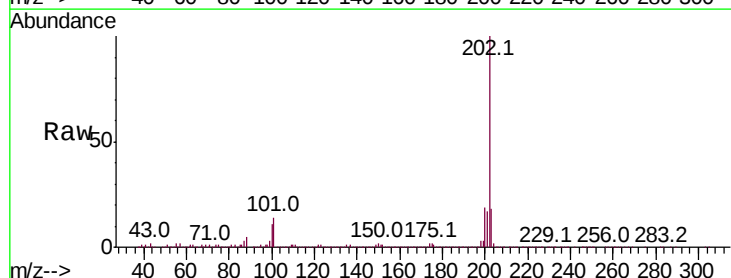
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 14.047 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF119635.D
Acq: 30 Mar 2020 16:17

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.4	16.8	25.2
203	17.8	15.1	22.7

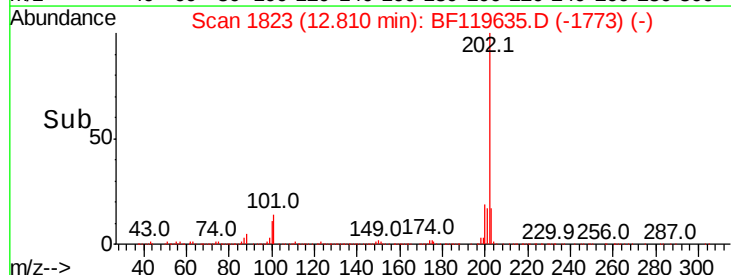
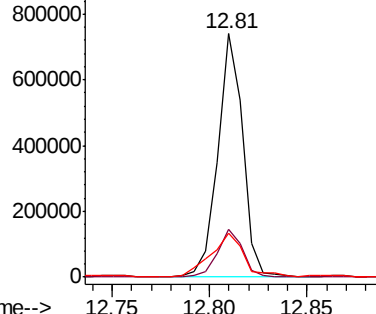


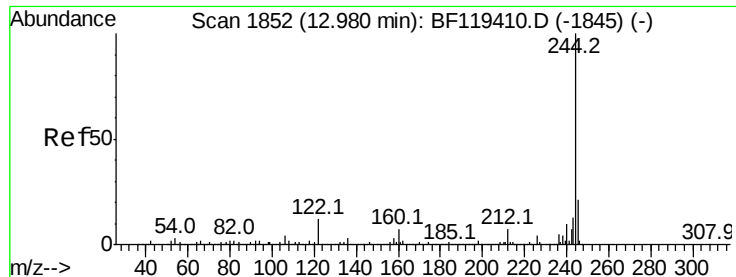
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 67.166 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF119635.D

Acq: 30 Mar 2020 16:17

Instrument :

BNA_M

ClientSampled :

SB-4-(1-3)

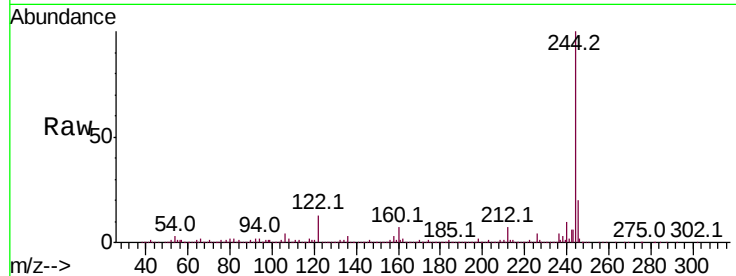
Tot Ion:244 Resp: 1945407

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.8

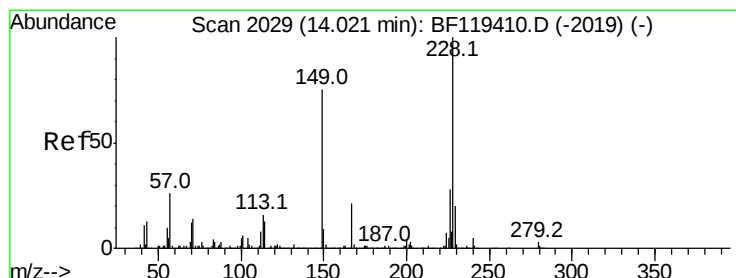
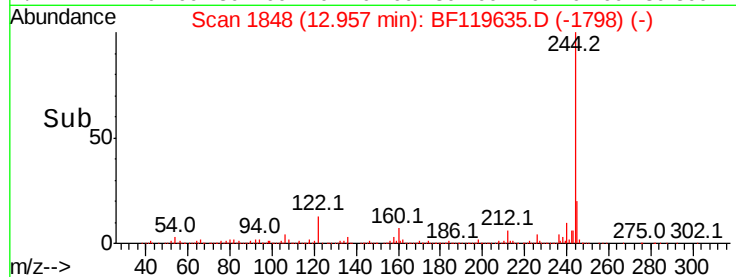
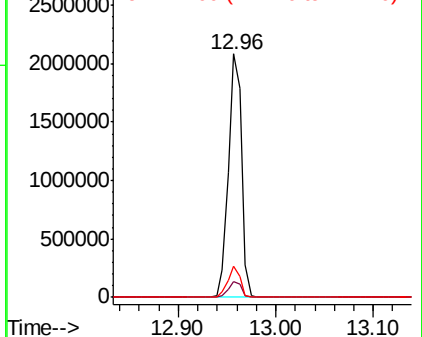
122 12.6 10.3 15.5



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: 9.334 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF119635.D

Acq: 30 Mar 2020 16:17

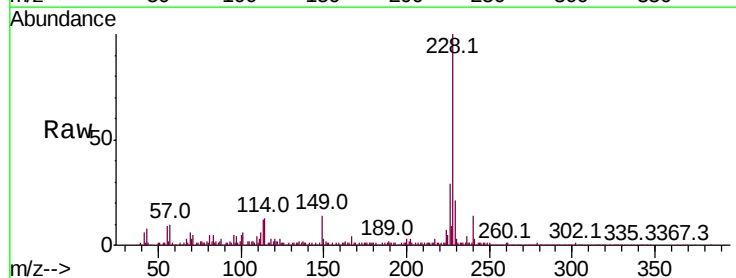
Tgt Ion:228 Resp: 344425

Ion Ratio Lower Upper

228 100

226 28.6 21.8 32.8

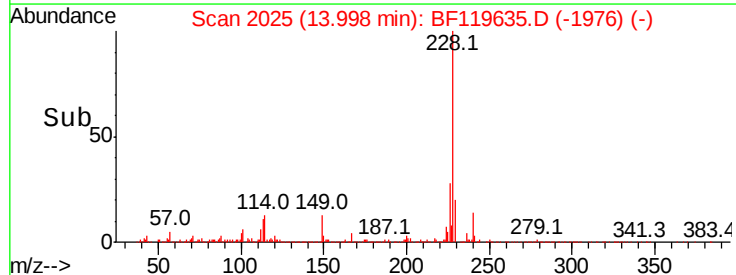
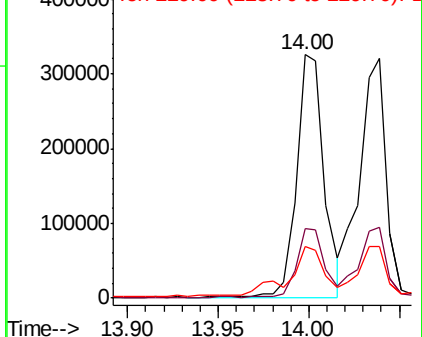
229 21.1 16.2 24.4

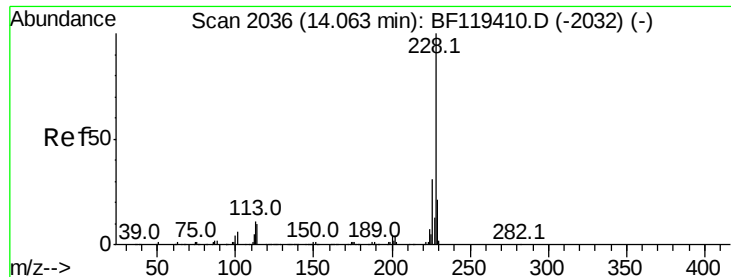


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 8.634 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF119635.D

Acq: 30 Mar 2020 16:17

Instrument :

BNA_M

ClientSampleId :

SB-4-(1-3)

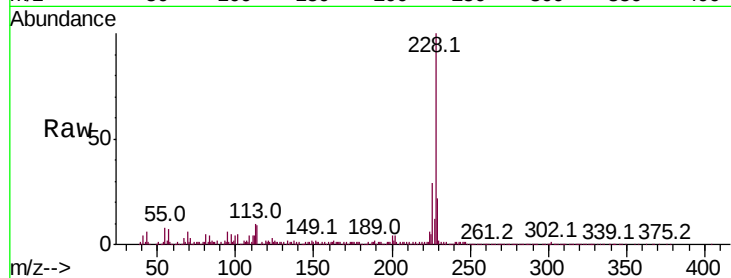
Tot Ion:228 Resp: 328813

Ion Ratio Lower Upper

228 100

226 29.3 25.4 38.0

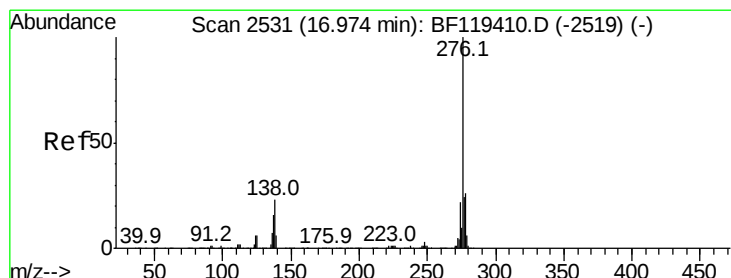
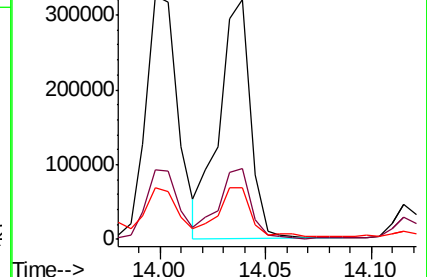
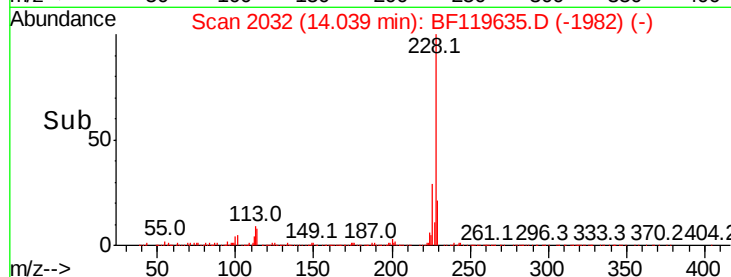
229 21.7 16.6 24.8



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: 4.917 ng

RT: 16.93 min Scan# 2524

Delta R.T. -0.02 min

Lab File: BF119635.D

Acq: 30 Mar 2020 16:17

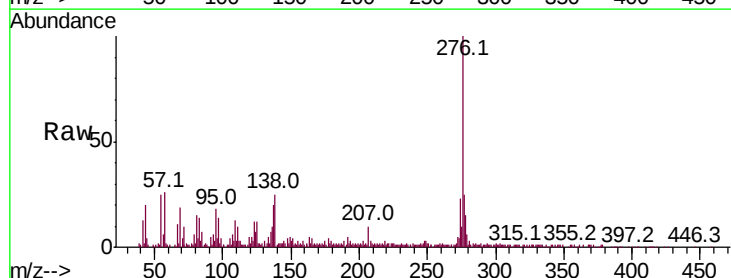
Tgt Ion:276 Resp: 176354

Ion Ratio Lower Upper

276 100

138 24.0 19.6 29.4

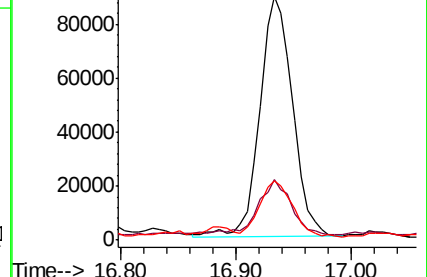
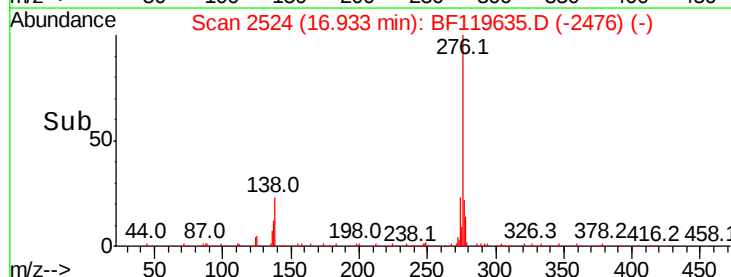
277 24.1 20.0 30.0

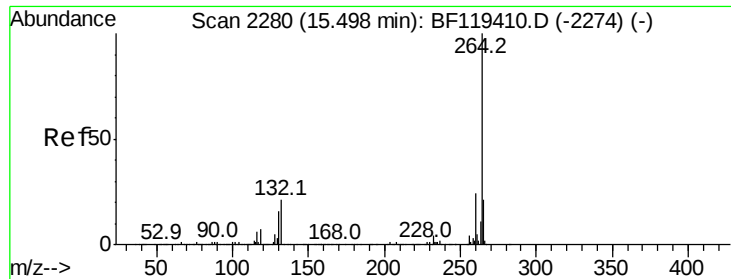


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.48 min Scan# 2277

Delta R.T. -0.00 min

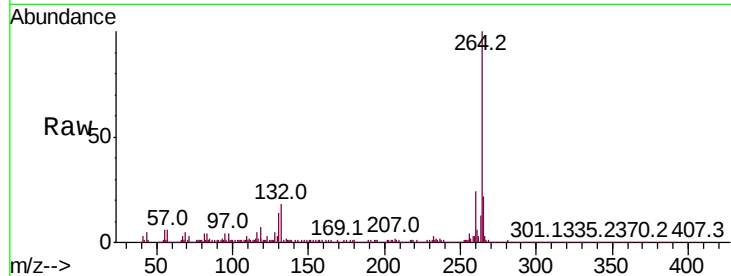
Lab File: BF119635.D

Acq: 30 Mar 2020 16:17

Instrument :
BNA_M
ClientSampleId :
SB-4-(1-3)

Tot Ion:264 Resp: 545774

Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.7	28.1
265	21.5	17.7	26.5

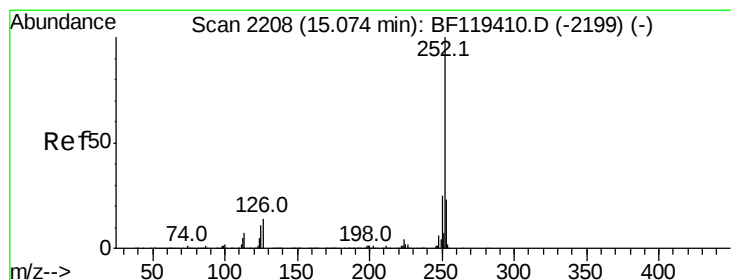
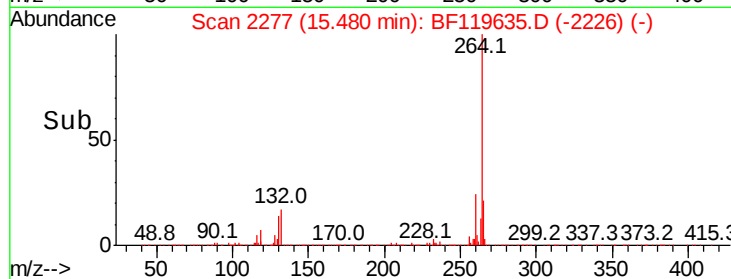
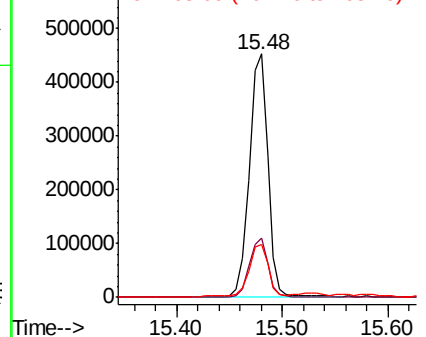


Abundance

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: 15.687 ng

RT: 15.05 min Scan# 2204

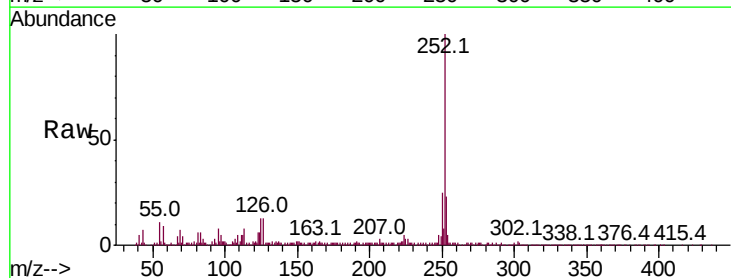
Delta R.T. -0.01 min

Lab File: BF119635.D

Acq: 30 Mar 2020 16:17

Tgt Ion:252 Resp: 571897

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.0
125	12.8	7.9	11.9

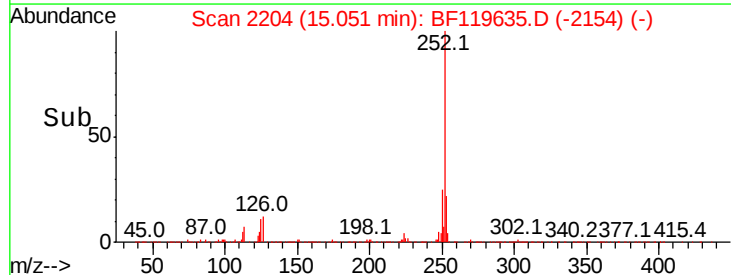
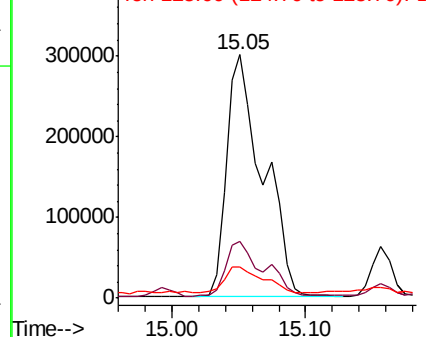


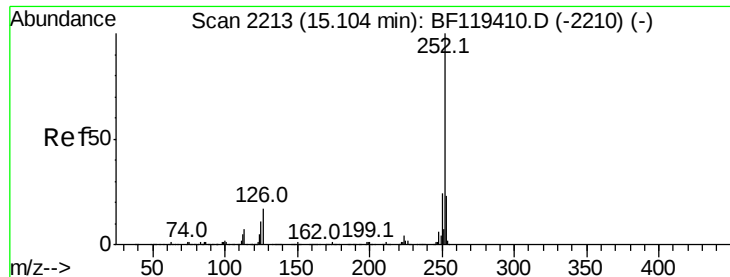
Abundance

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

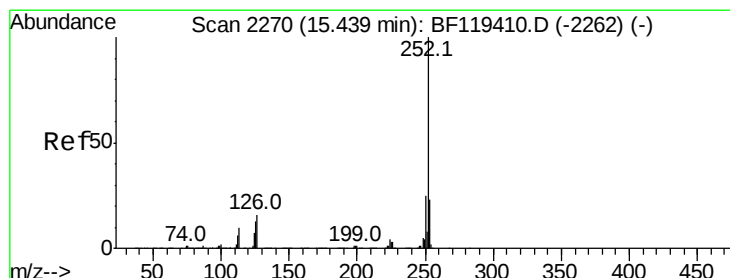
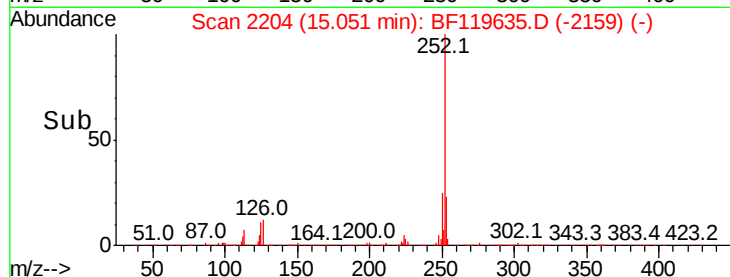
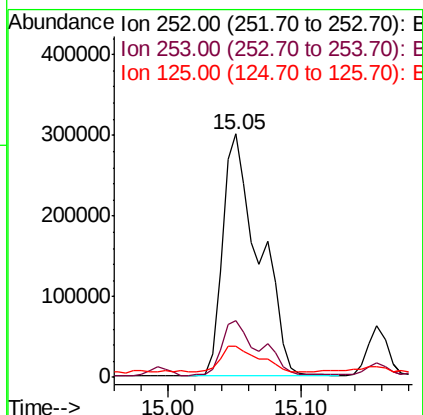
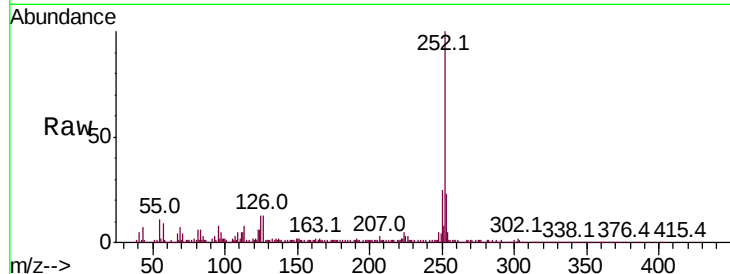




#89
Benzo(k)fluoranthene
Concen: 16.474 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF119635.D
Acq: 30 Mar 2020 16:17

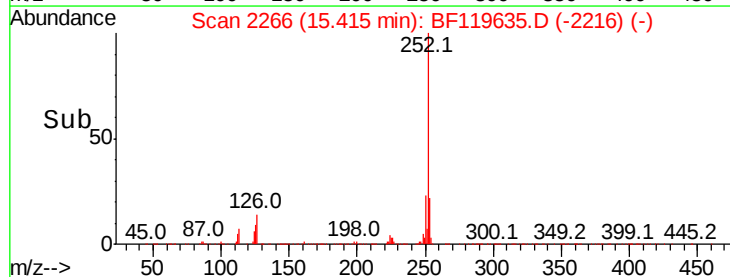
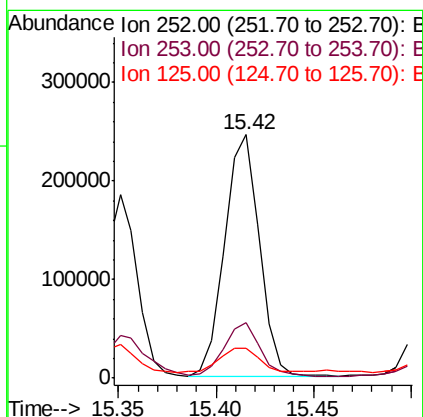
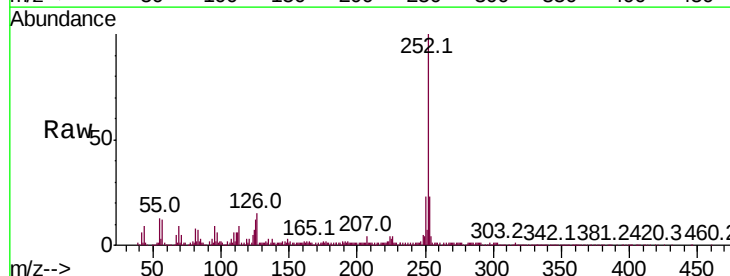
Instrument :
BNA_M
ClientSampleId :
SB-4-(1-3)

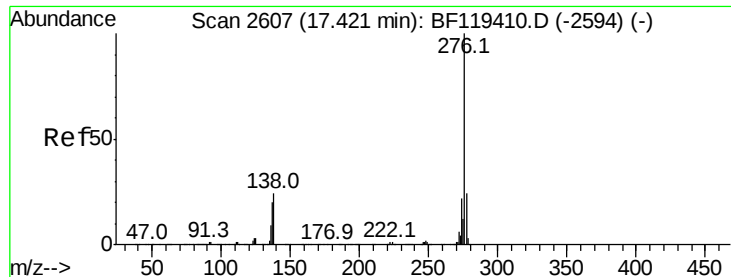
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	12.8	8.4	12.6



#90
Benzo(a)pyrene
Concen: 9.173 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF119635.D
Acq: 30 Mar 2020 16:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	12.3	9.4	14.2





#92

Benzo(a,h,i)perylene

Concen: 5.720 ng

RT: 17.37 min Scan# 2599

Delta R.T. -0.02 min

Lab File: BF119635.D

Acq: 30 Mar 2020 16:17

Instrument :

BNA_M

ClientSampleId :

SB-4-(1-3)

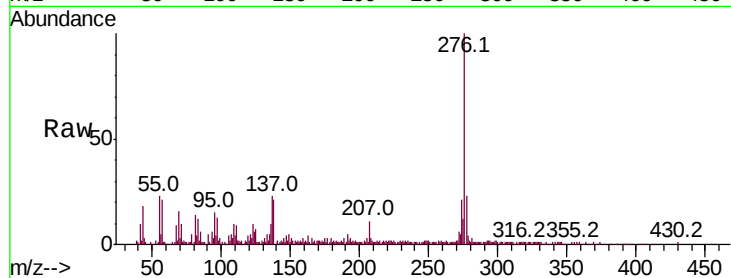
Tot Ion:276 Resp: 166533

Ion Ratio Lower Upper

276 100

277 22.8 18.4 27.6

138 21.5 15.4 23.0



Abundance Ion 276.00 (275.70 to 276.70): E

120000 Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

