

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF033020\
 Data File : BF119639.D
 Acq On : 30 Mar 2020 18:05
 Operator : MA/SJ
 Sample : L1762-23 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-032720

Quant Time: Mar 31 00:32:08 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	306329	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1102129	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	508948	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	829324	20.00	ng	0.00
76) Chrysene-d12	14.02	240	563578	20.00	ng	0.00
87) Perylene-d12	15.48	264	531842	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	359353	18.67	ng	0.00
7) Phenol-d6	6.45	99	494792	20.13	ng	-0.02
23) Nitrobenzene-d5	7.39	82	222503	10.97	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	66708	12.70	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	587986	17.12	ng	0.00
79) Terphenyl-d14	12.96	244	485179	16.87	ng	0.00

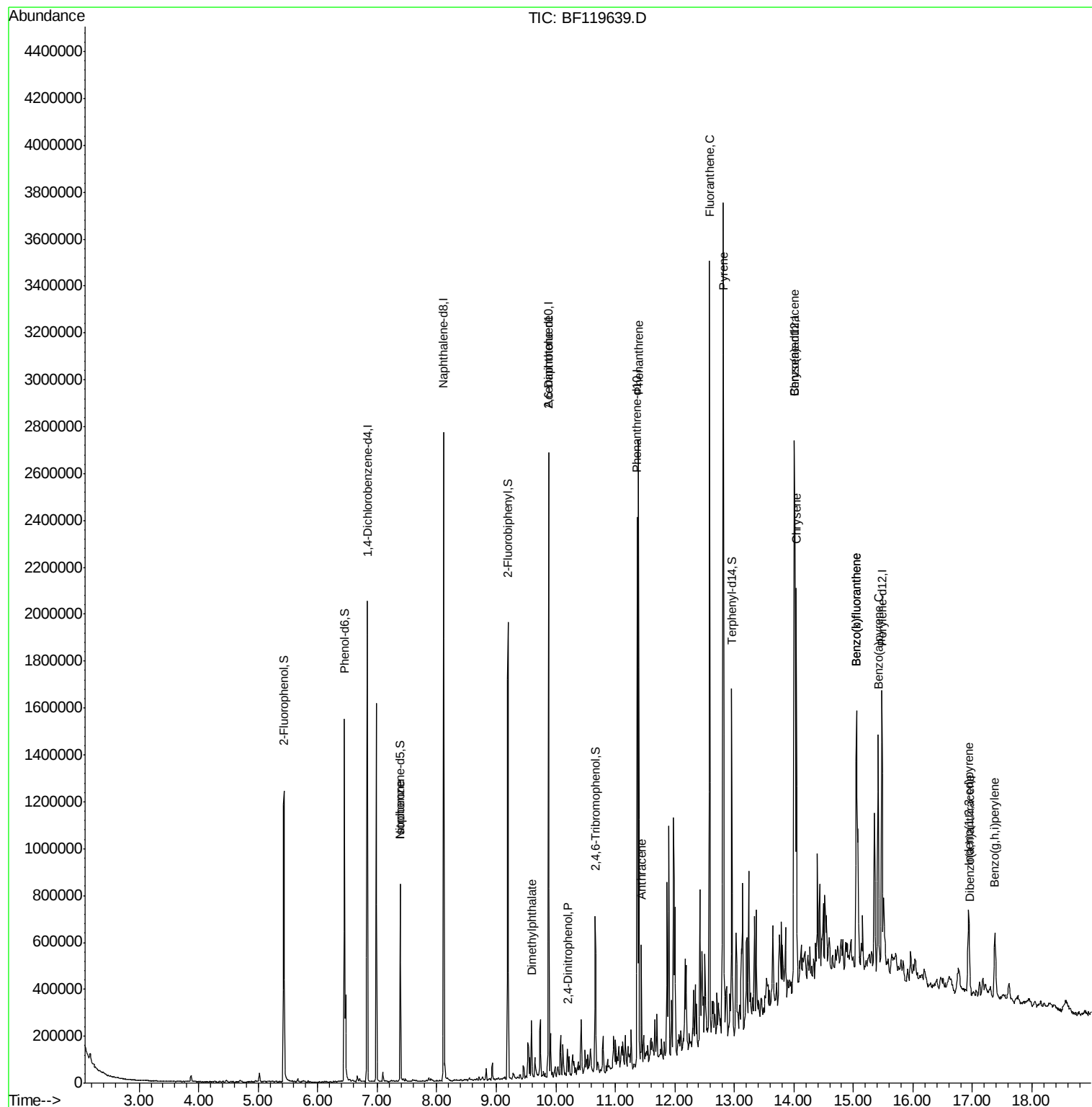
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.39	82	219680	5.34	ng	# 65
50) Dimethylphthalate	9.59	163	79410	2.20	ng	99
51) 2,6-Dinitrotoluene	9.88	165	69139	8.92	ng	# 26
54) 2,4-Dinitrophenol	10.20	184	132	7.31	ng	# 1
71) Phenanthrene	11.39	178	882141	20.51	ng	98
72) Anthracene	11.44	178	191157	4.37	ng	97
75) Fluoranthene	12.59	202	1333369	28.65	ng	98
78) Pyrene	12.82	202	1448617	31.32	ng	98
81) Benzo(a)anthracene	14.00	228	604943	16.51	ng	96
83) Chrysene	14.04	228	660786	17.47	ng	98
86) Indeno(1,2,3-cd)pyrene	16.93	276	252019	7.07	ng	98
88) Benzo(b)fluoranthene	15.05	252	853304	24.02	ng	# 95
89) Benzo(k)fluoranthene	15.05	252	853304	25.22	ng	97
90) Benzo(a)pyrene	15.42	252	493829	15.30	ng	98
91) Dibenzo(a,h)anthracene	16.96	278	69203	2.45	ng	94
92) Benzo(g,h,i)perylene	17.38	276	245521	8.65	ng	93

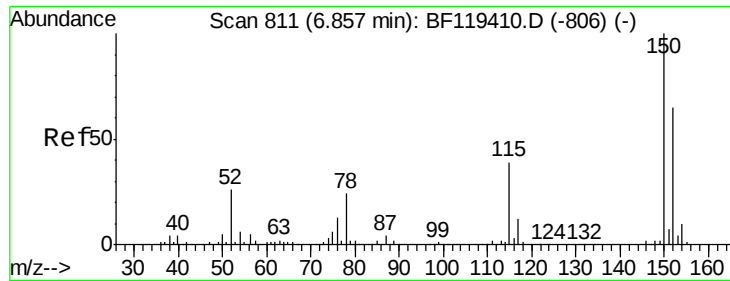
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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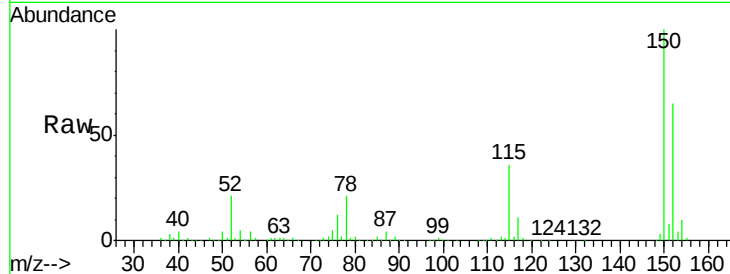


#1

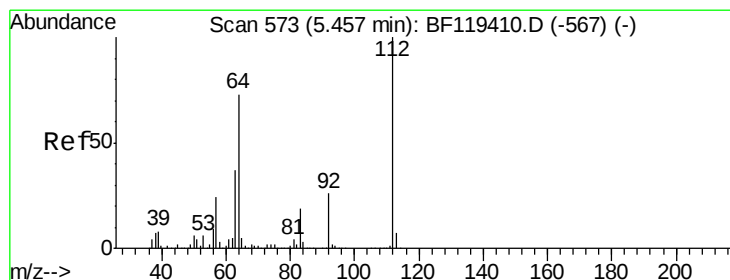
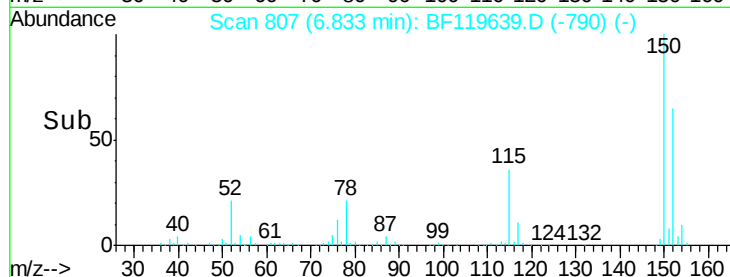
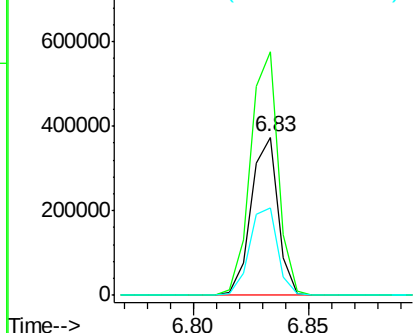
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.00 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

Instrument :
BNA_F
ClientSampleId :
TR-04-032720

Tgt Ion:152 Resp: 306329
Ion Ratio Lower Upper
152 100
150 154.2 124.5 186.7
115 55.6 49.6 74.4



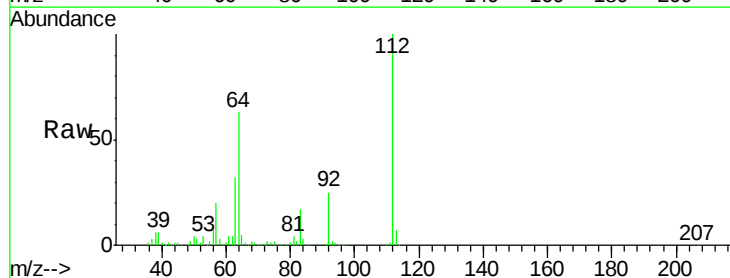
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



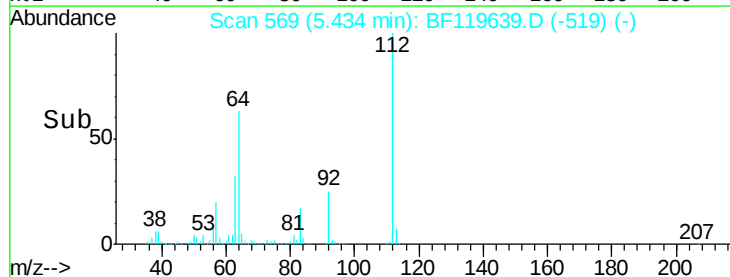
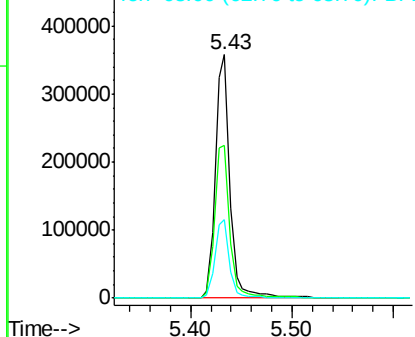
#5

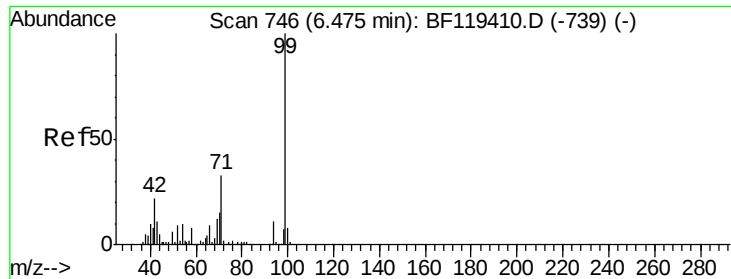
2-Fluorophenol
Concen: 18.67 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

Tgt Ion:112 Resp: 359353
Ion Ratio Lower Upper
112 100
64 62.5 56.7 85.1
63 32.1 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: 20.13 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.02 min

Lab File: BF119639.D

Acq: 30 Mar 2020 18:05

Instrument :

BNA_F

ClientSampleId :

TR-04-032720

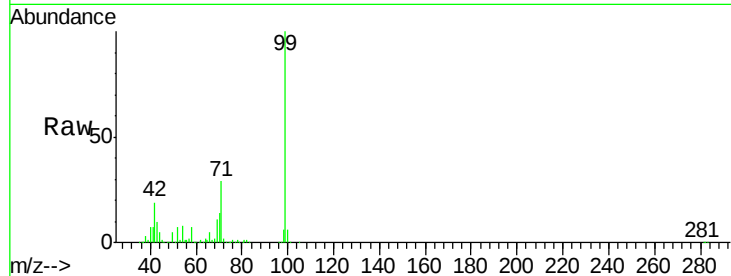
Tgt Ion: 99 Resp: 494792

Ion Ratio Lower Upper

99 100

42 18.8 16.6 24.8

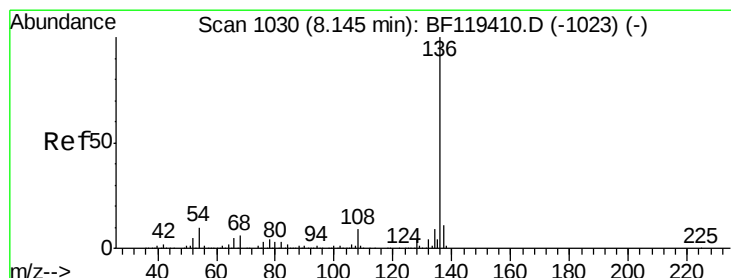
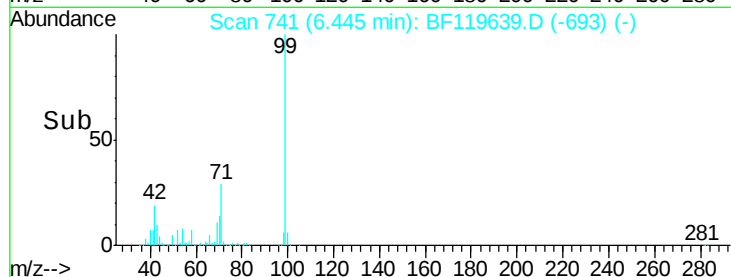
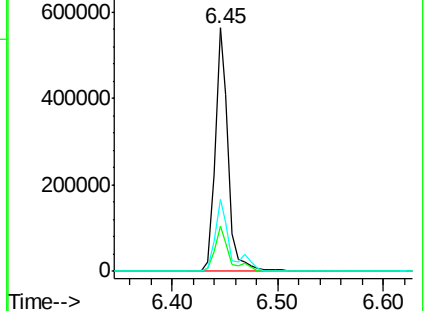
71 29.4 26.4 39.6



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF119639.D

Acq: 30 Mar 2020 18:05

Tgt Ion: 136 Resp: 1102129

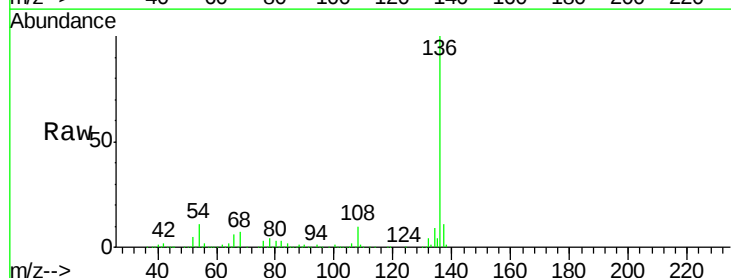
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 11.1 9.1 13.7

68 6.6 4.6 6.8

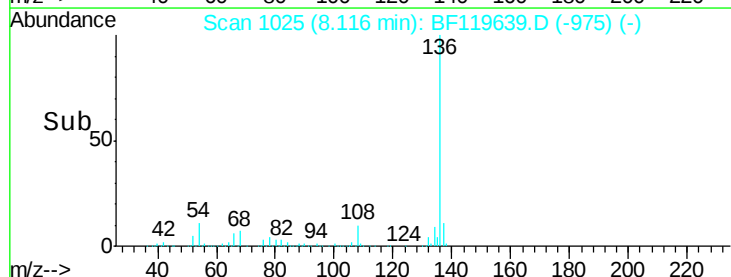
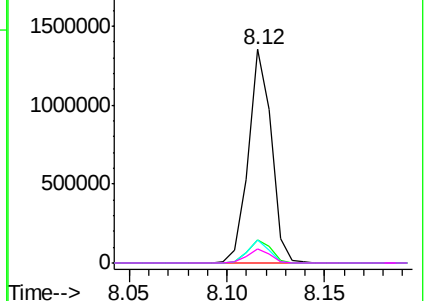


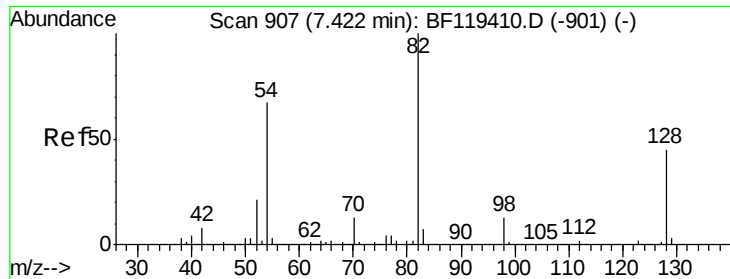
Abundance Ion 136.00 (135.70 to 136.70): E

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

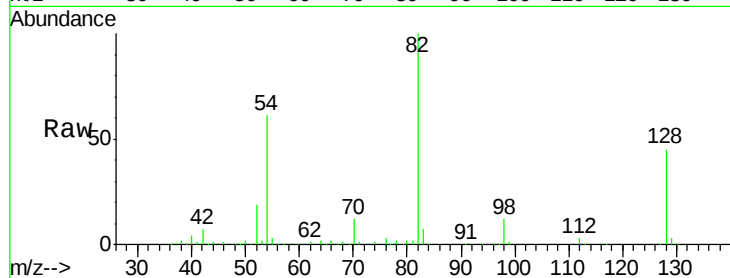




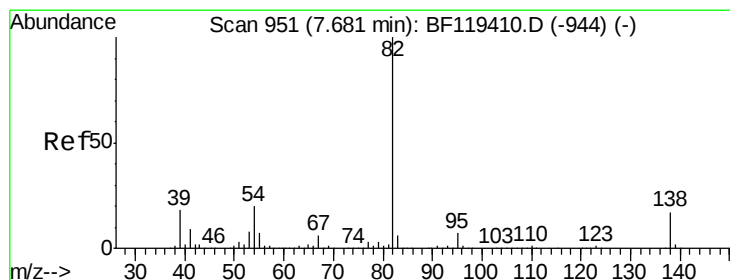
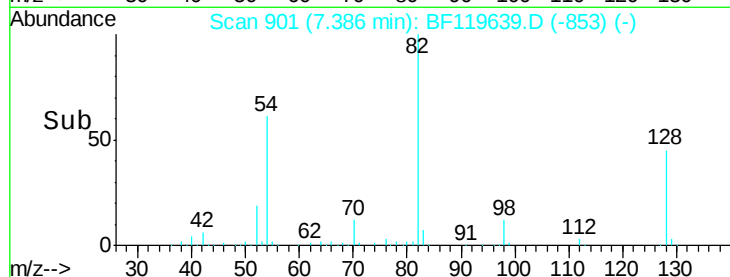
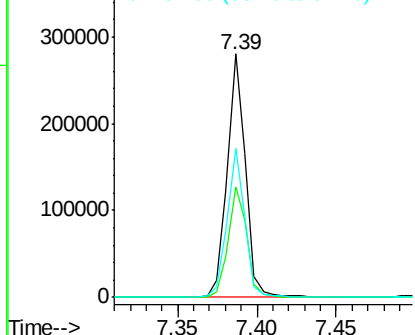
#23
 Nitrobenzene-d5
 Concen: 10.97 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.02 min
 Lab File: BF119639.D
 Acq: 30 Mar 2020 18:05

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-032720

Tgt Ion: 82 Resp: 222503
 Ion Ratio Lower Upper
 82 100
 128 45.2 36.3 54.5
 54 61.0 50.6 75.8

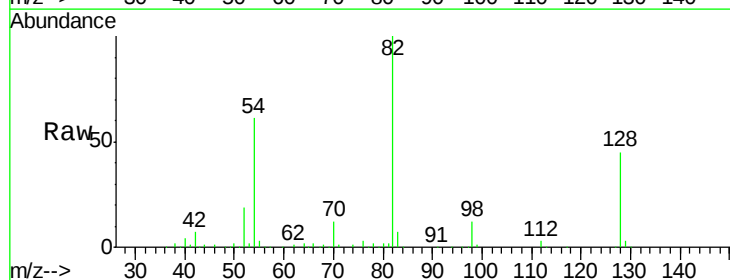


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

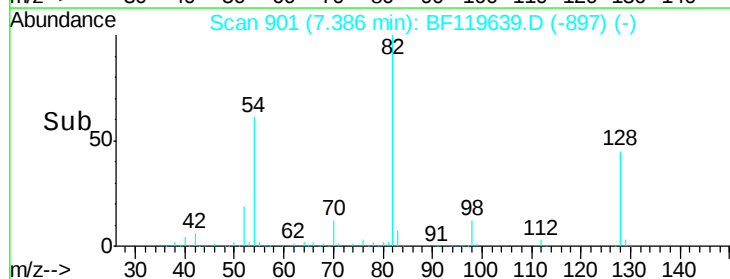
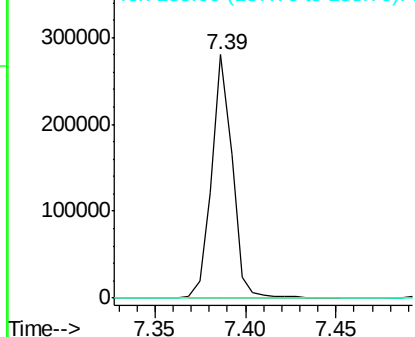


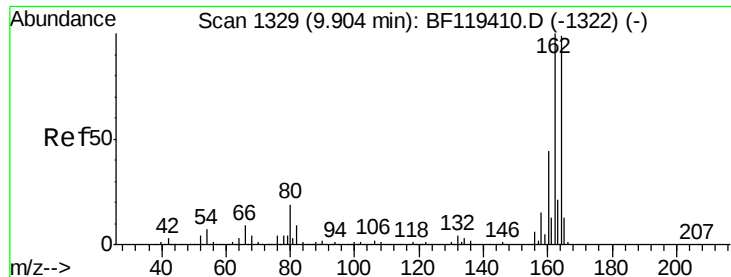
#25
 Isophorone
 Concen: 5.34 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.28 min
 Lab File: BF119639.D
 Acq: 30 Mar 2020 18:05

Tgt Ion: 82 Resp: 219680
 Ion Ratio Lower Upper
 82 100
 95 0.0 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

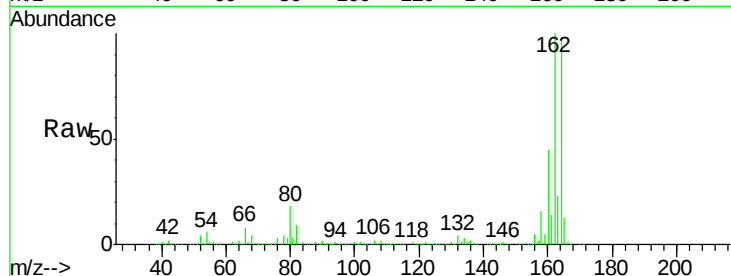




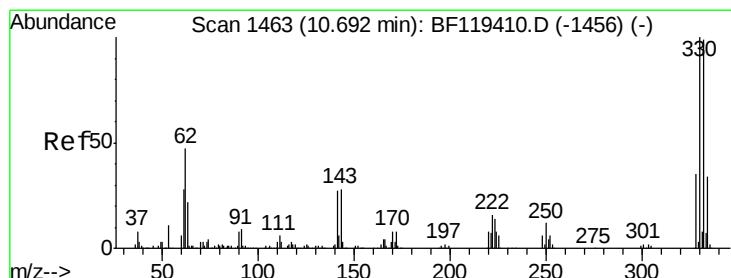
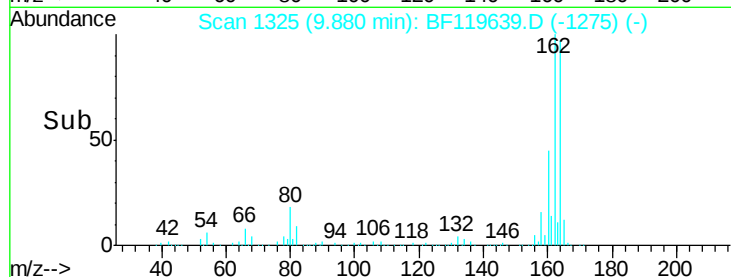
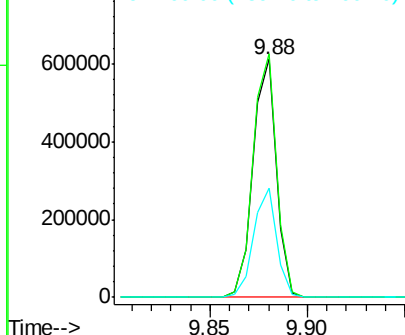
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

Instrument :
BNA_F
ClientSampleId :
TR-04-032720

Tgt Ion:164 Resp: 508948
Ion Ratio Lower Upper
164 100
162 102.3 80.6 121.0
160 45.9 35.7 53.5

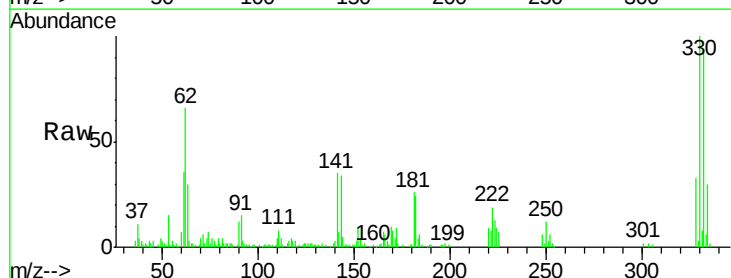


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

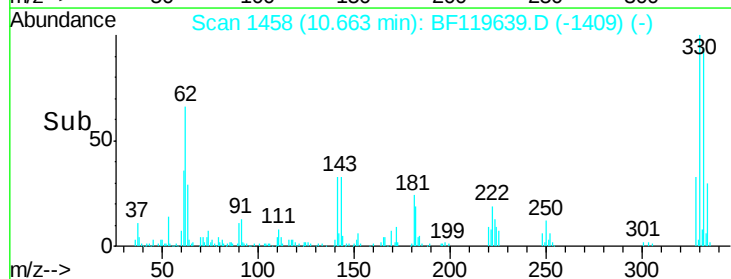
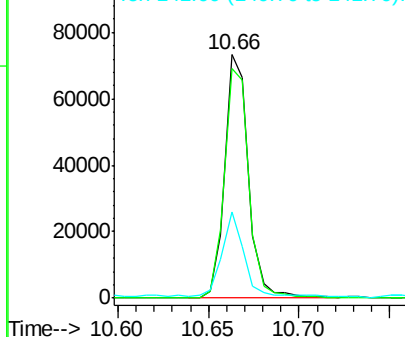


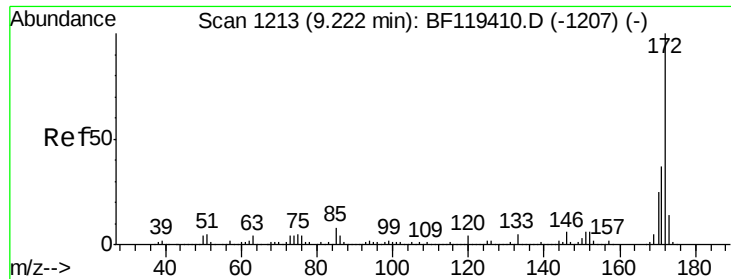
#42
2,4,6-Tribromophenol
Concen: 12.70 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

Tgt Ion:330 Resp: 66708
Ion Ratio Lower Upper
330 100
332 97.7 75.7 113.5
141 36.0 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

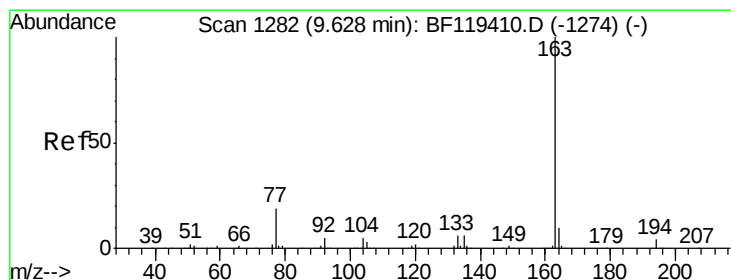
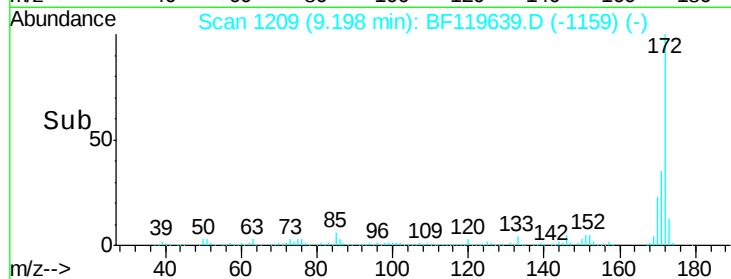
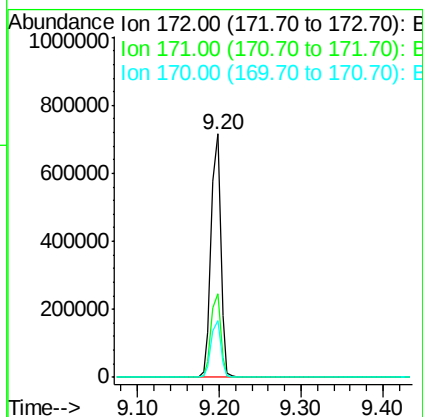
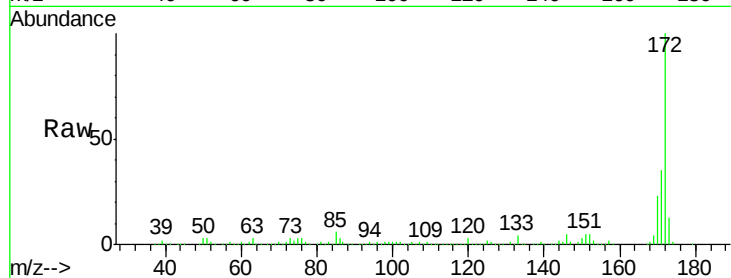




#45
2-Fluorobiphenyl
Concen: 17.12 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

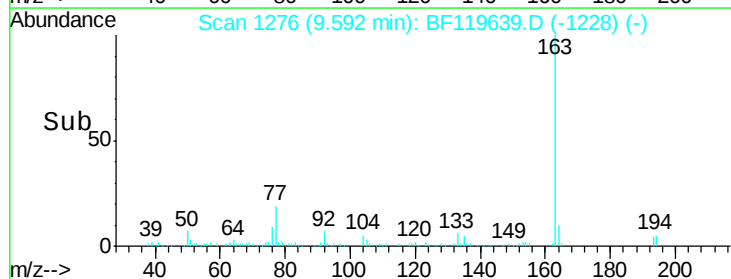
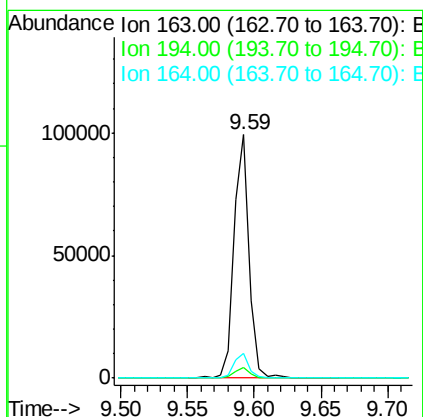
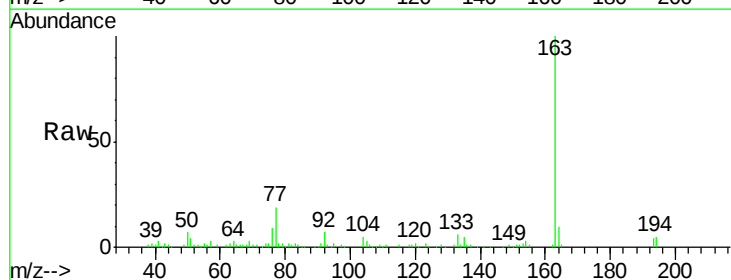
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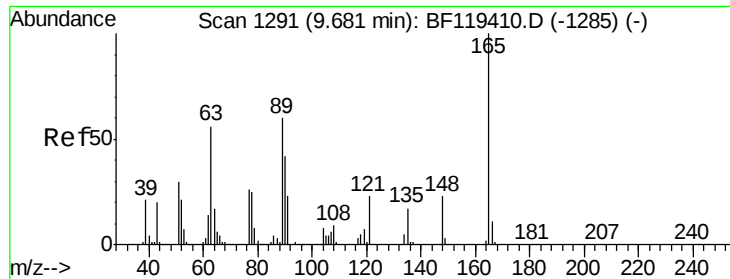
Tgt Ion:172 Resp: 587986
Ion Ratio Lower Upper
172 100
171 34.6 29.6 44.4
170 23.4 20.2 30.2



#50
Dimethylphthalate
Concen: 2.20 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

Tgt Ion:163 Resp: 79410
Ion Ratio Lower Upper
163 100
194 4.5 3.1 4.7
164 10.1 8.2 12.2

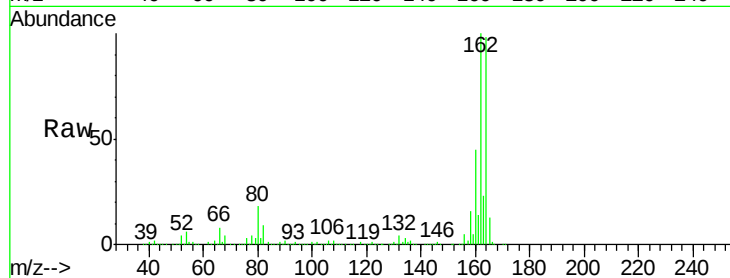




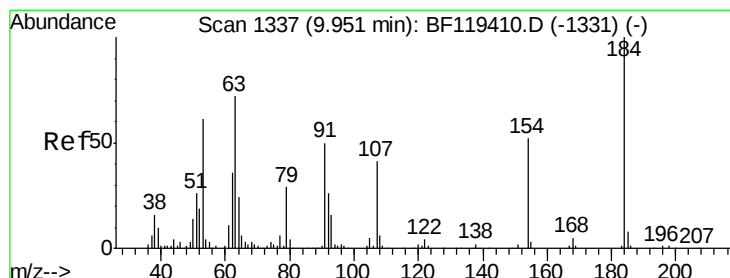
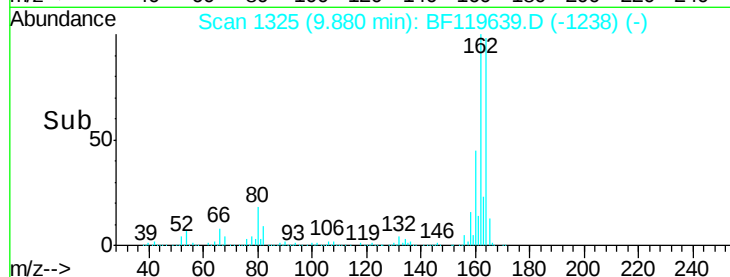
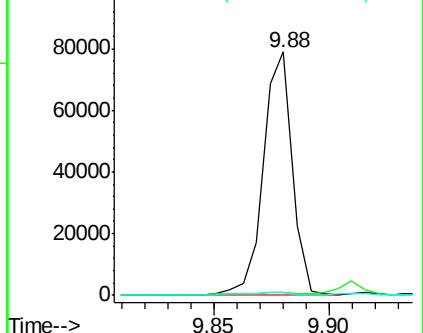
#51
2,6-Dinitrotoluene
Concen: 8.92 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.21 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

Instrument :
BNA_F
ClientSampleId :
TR-04-032720

Tgt Ion:165 Resp: 69139
Ion Ratio Lower Upper
165 100
63 1.2 45.0 67.4#
89 1.3 41.5 62.3#

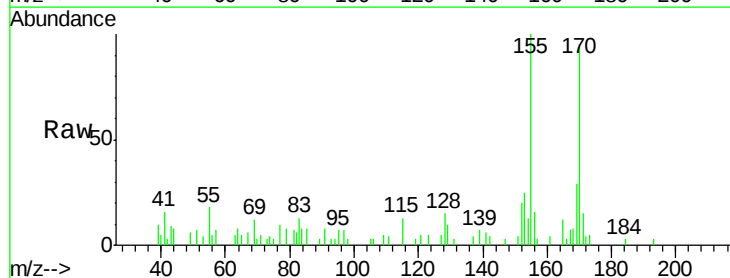


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

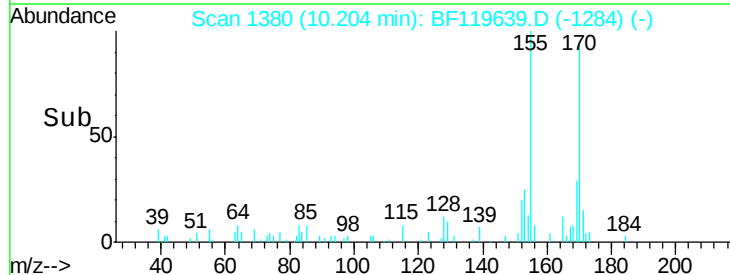
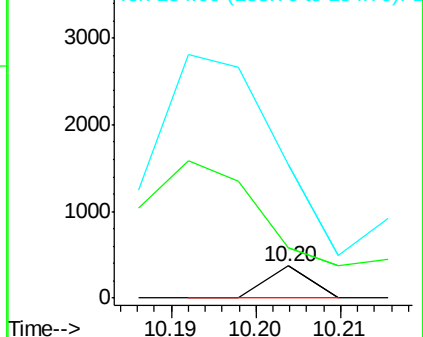


#54
2,4-Dinitrophenol
Concen: 7.31 ng
RT: 10.20 min Scan# 1380
Delta R.T. 0.26 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

Tgt Ion:184 Resp: 132
Ion Ratio Lower Upper
184 100
63 157.1 50.2 75.4#
154 413.1 44.5 66.7#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

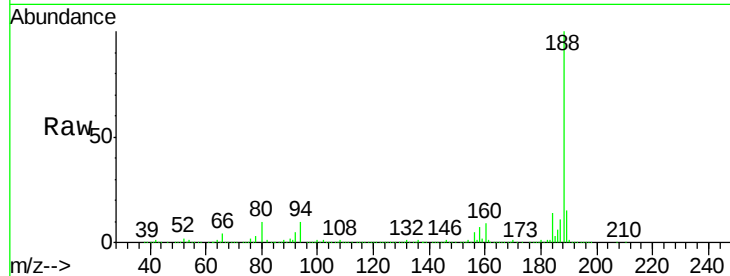




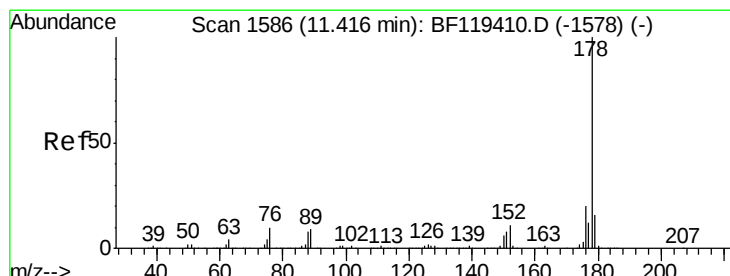
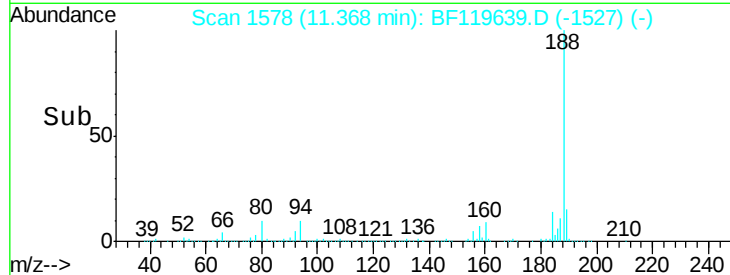
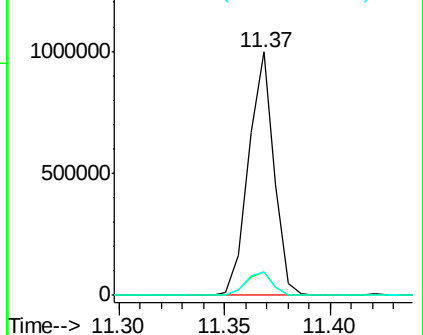
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

Instrument :
BNA_F
ClientSampleId :
TR-04-032720

Tgt Ion:188 Resp: 829324
Ion Ratio Lower Upper
188 100
94 9.8 7.5 11.3
80 9.8 9.0 13.4

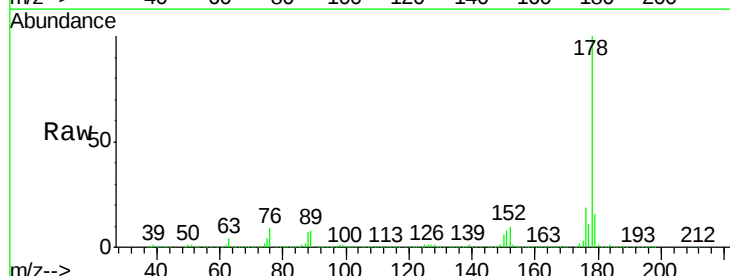


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

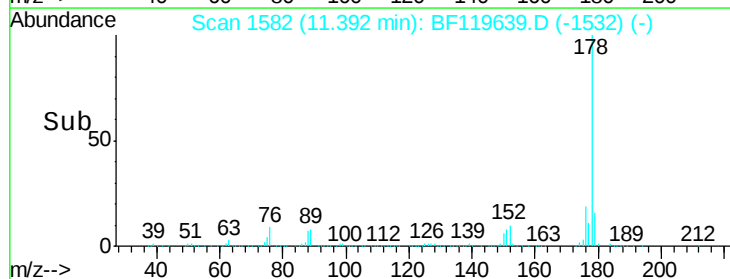
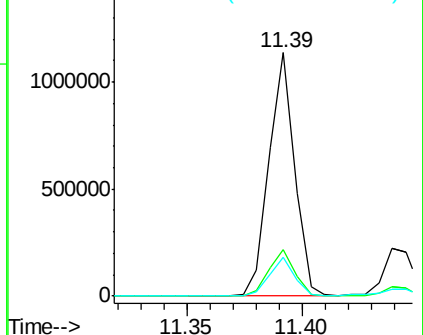


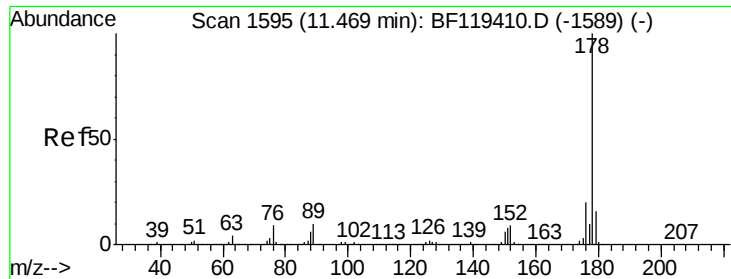
#71
Phenanthrene
Concen: 20.51 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

Tgt Ion:178 Resp: 882141
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.4
179 15.8 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: 4.37 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF119639.D

Acq: 30 Mar 2020 18:05

Instrument :

BNA_F

ClientSampleId :

TR-04-032720

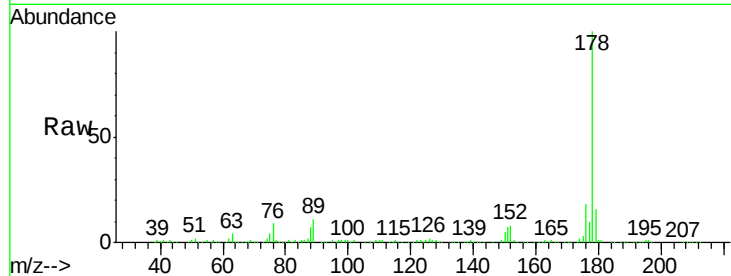
Tgt Ion:178 Resp: 191157

Ion Ratio Lower Upper

178 100

176 18.5 16.1 24.1

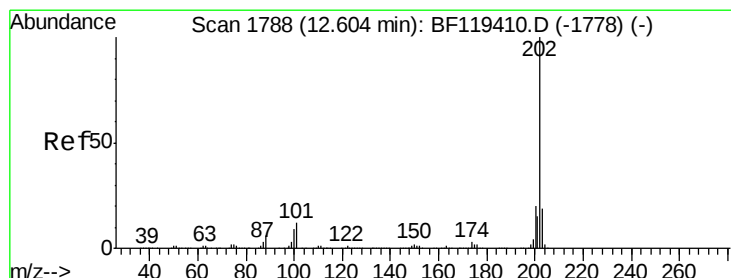
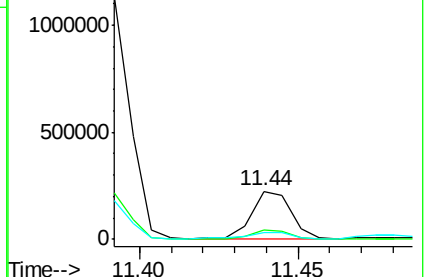
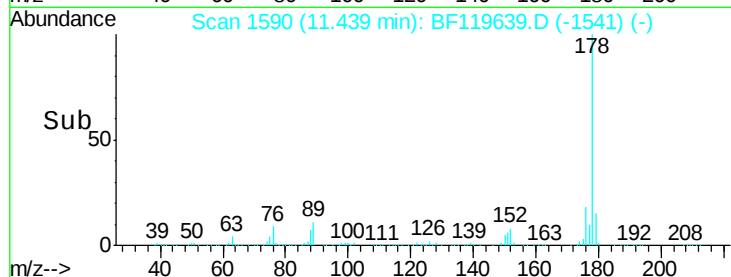
179 15.6 13.0 19.4



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: 28.65 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BF119639.D

Acq: 30 Mar 2020 18:05

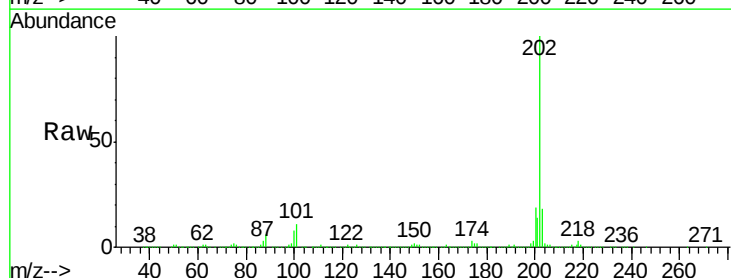
Tgt Ion:202 Resp: 1333369

Ion Ratio Lower Upper

202 100

101 10.9 0.0 32.2

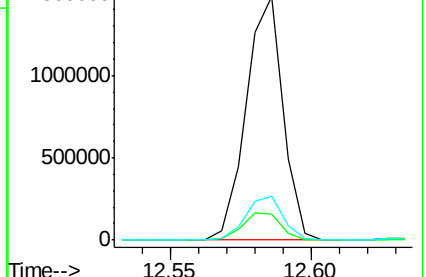
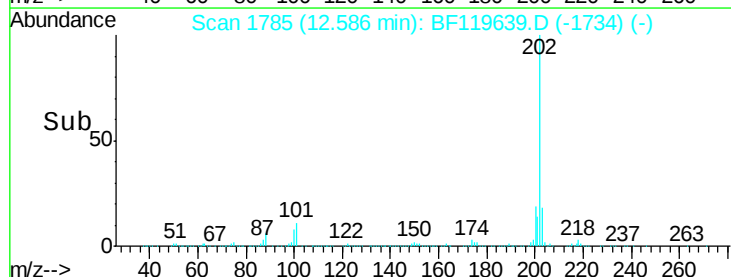
203 18.0 0.0 38.8

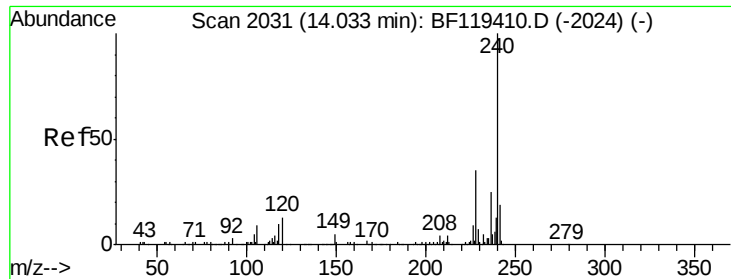


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

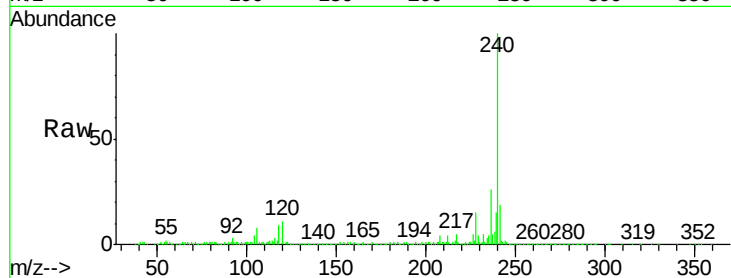




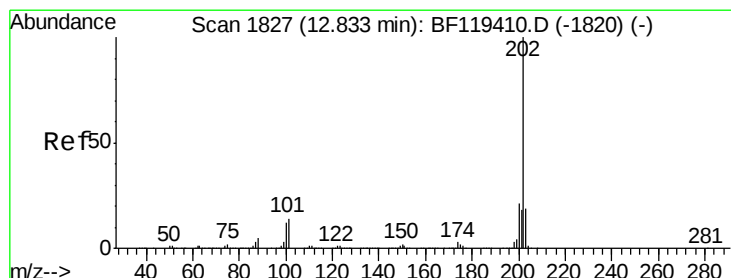
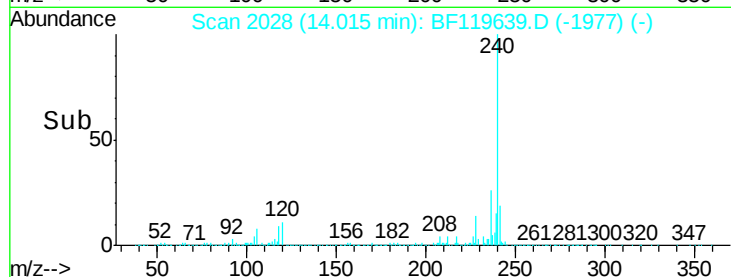
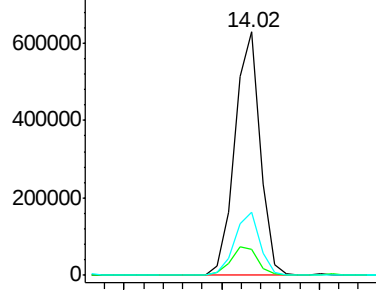
#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

Instrument :
BNA_F
ClientSampleId :
TR-04-032720

Tgt Ion:240 Resp: 563578
Ion Ratio Lower Upper
240 100
120 10.9 10.6 15.8
236 26.0 20.2 30.2

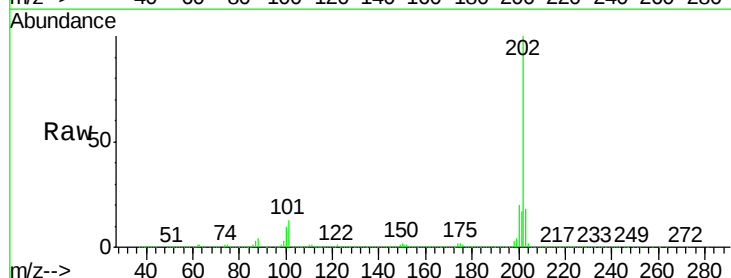


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

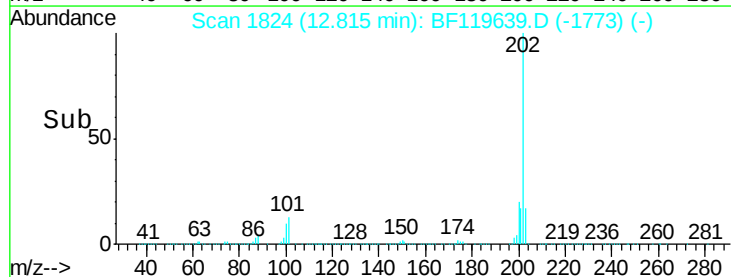
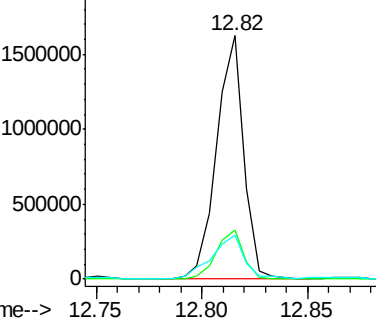


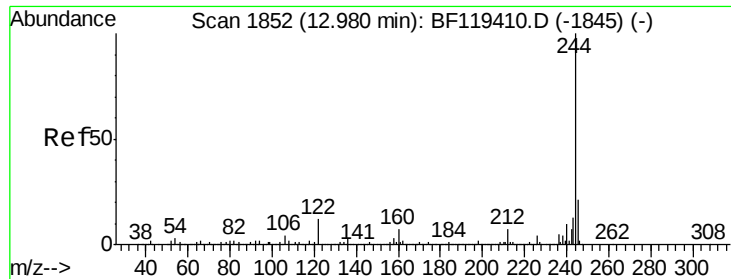
#78
Pyrene
Concen: 31.32 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

Tgt Ion:202 Resp: 1448617
Ion Ratio Lower Upper
202 100
200 20.0 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

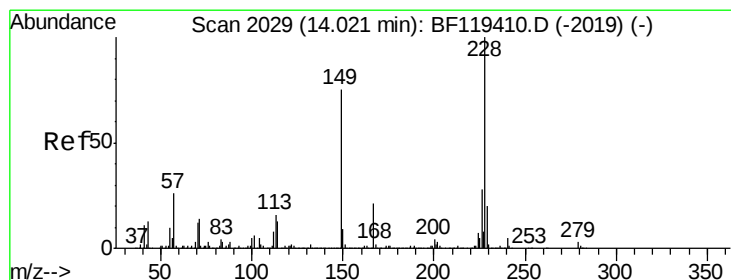
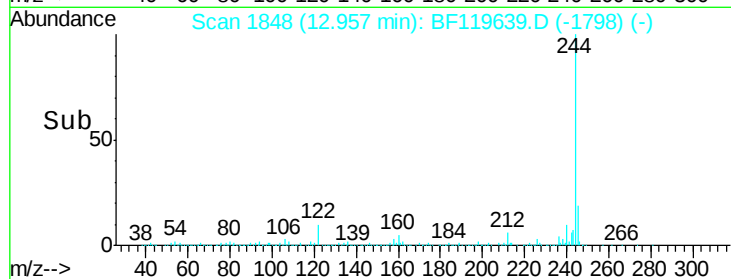
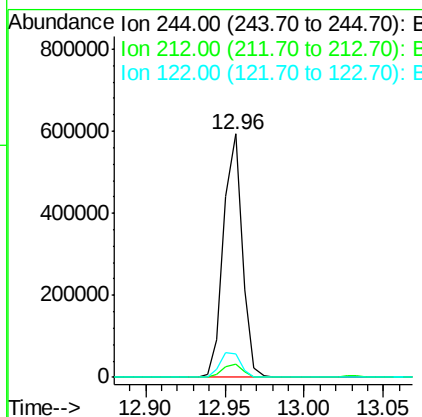
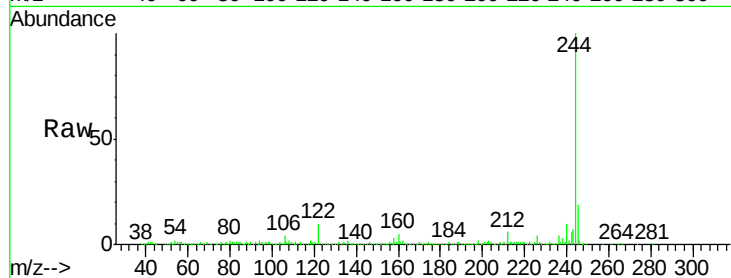




#79
 Terphenyl-d14
 Concen: 16.87 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF119639.D
 Acq: 30 Mar 2020 18:05

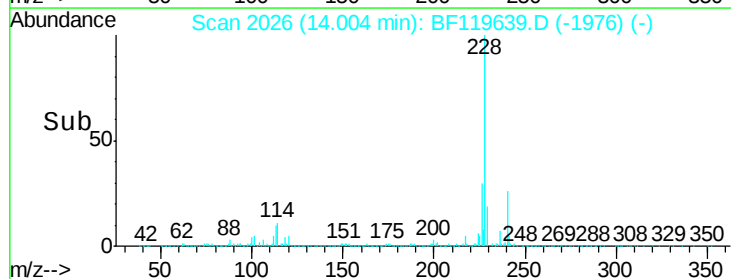
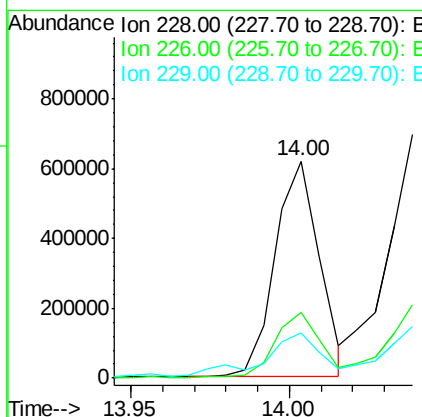
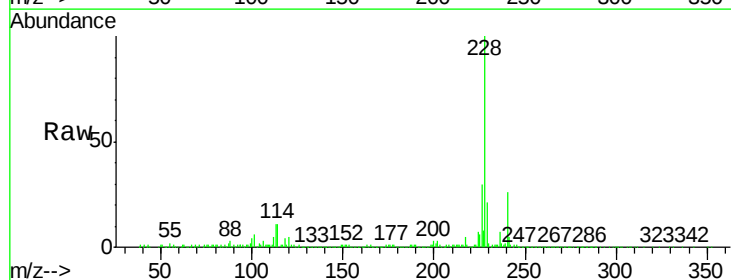
Instrument :
 BNA_F
 ClientSampleId :
 TR-04-032720

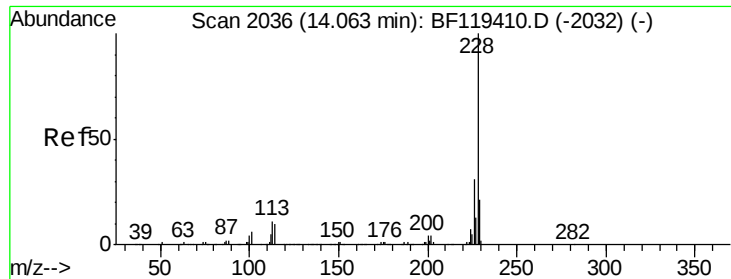
Tgt Ion:244 Resp: 485179
 Ion Ratio Lower Upper
 244 100
 212 5.7 5.8 8.8#
 122 9.8 10.3 15.5#



#81
 Benzo(a)anthracene
 Concen: 16.51 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF119639.D
 Acq: 30 Mar 2020 18:05

Tgt Ion:228 Resp: 604943
 Ion Ratio Lower Upper
 228 100
 226 30.3 21.8 32.8
 229 20.6 16.2 24.4





#83

Chrysene

Concen: 17.47 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF119639.D

Acq: 30 Mar 2020 18:05

Instrument :

BNA_F

ClientSampleId :

TR-04-032720

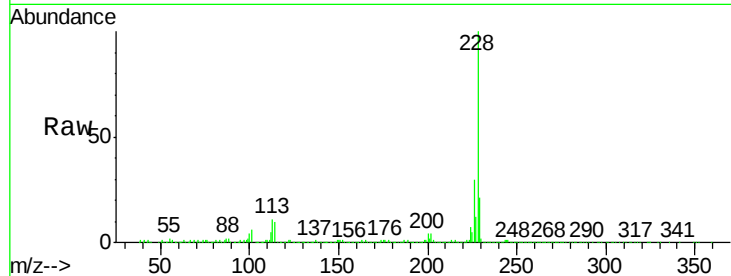
Tgt Ion:228 Resp: 660786

Ion Ratio Lower Upper

228 100

226 30.1 25.4 38.0

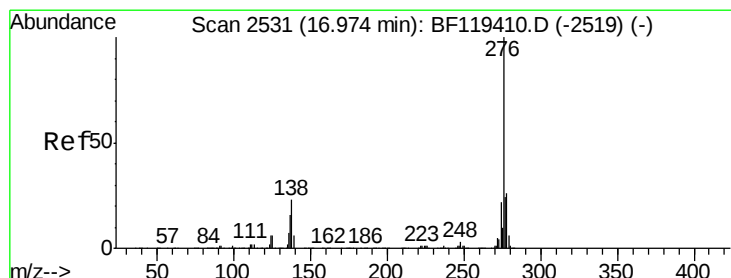
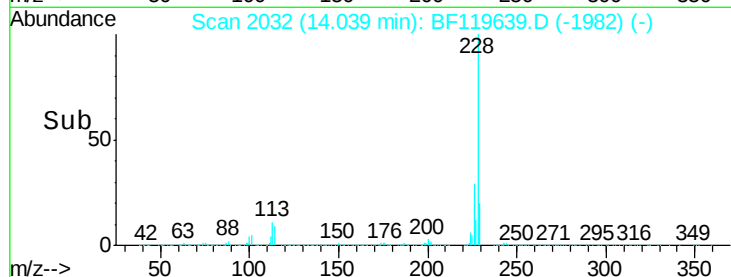
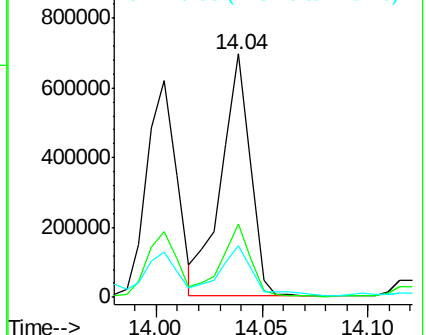
229 21.3 16.6 24.8



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: 7.07 ng

RT: 16.93 min Scan# 2524

Delta R.T. -0.02 min

Lab File: BF119639.D

Acq: 30 Mar 2020 18:05

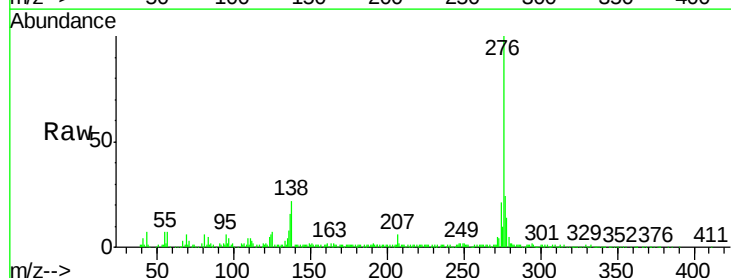
Tgt Ion:276 Resp: 252019

Ion Ratio Lower Upper

276 100

138 23.8 19.6 29.4

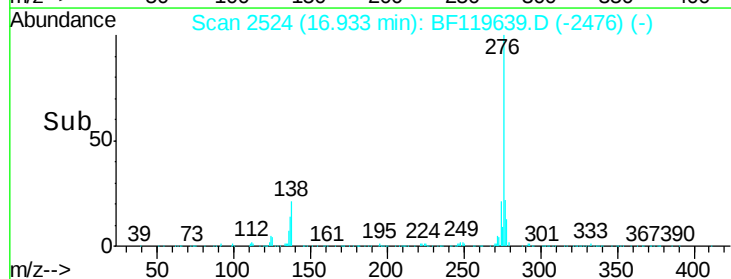
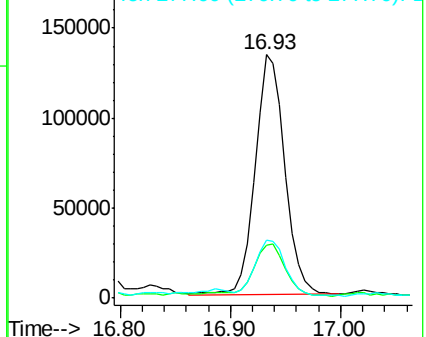
277 23.5 20.0 30.0

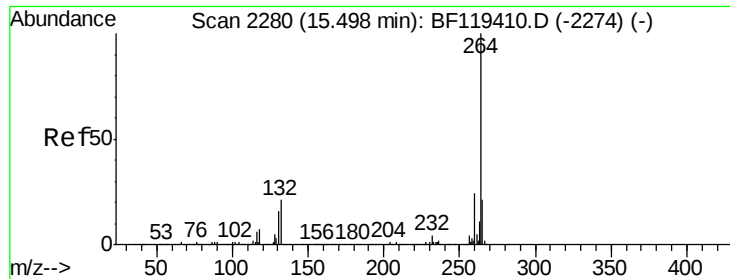


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

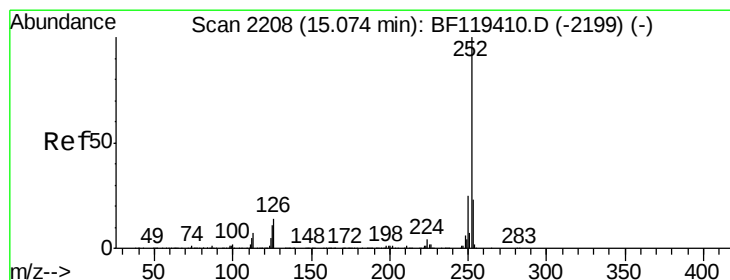
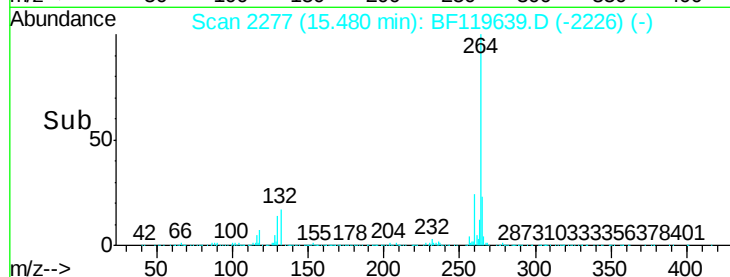
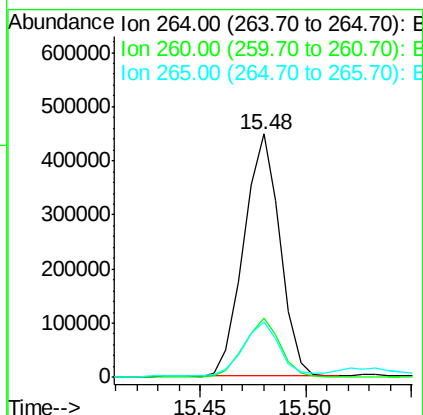
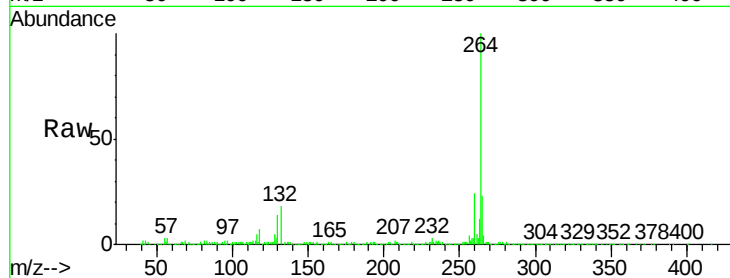




#87
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.00 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

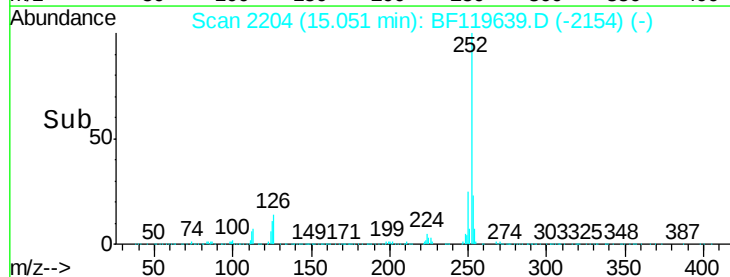
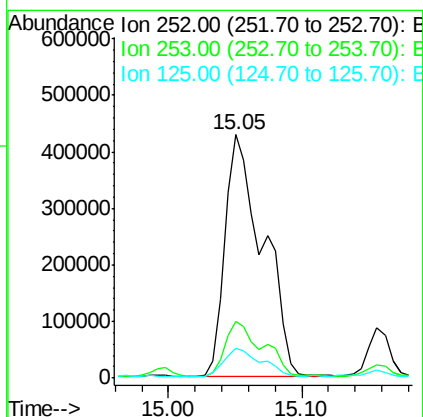
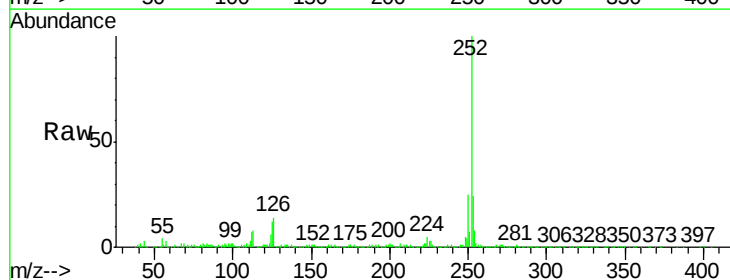
Instrument :
BNA_F
ClientSampleId :
TR-04-032720

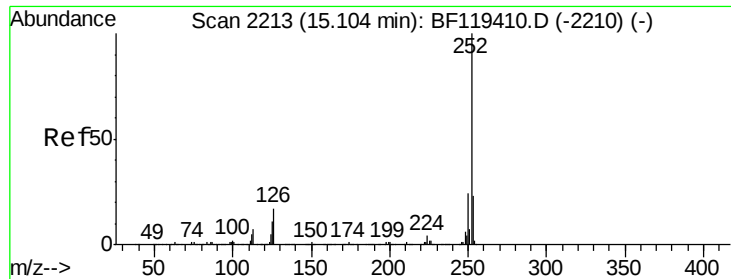
Tgt Ion: 264 Resp: 531842
Ion Ratio Lower Upper
264 100
260 24.1 18.7 28.1
265 22.8 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 24.02 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

Tgt Ion: 252 Resp: 853304
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 12.1 7.9 11.9#

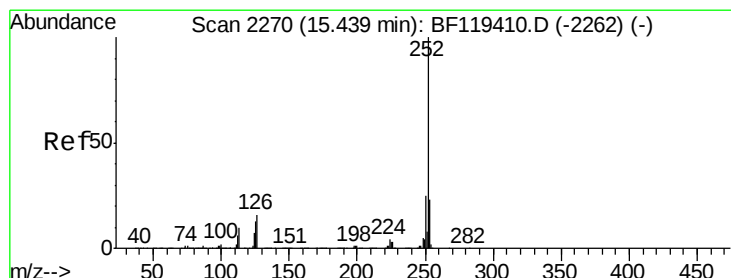
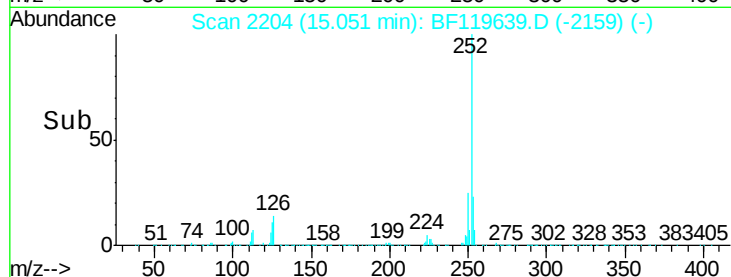
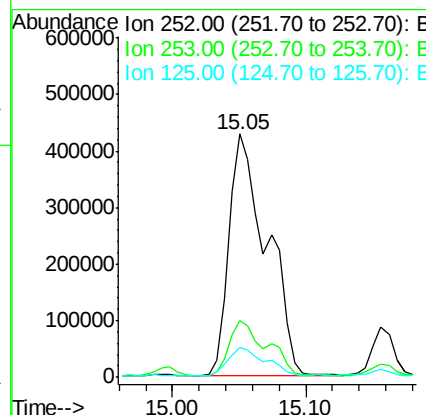
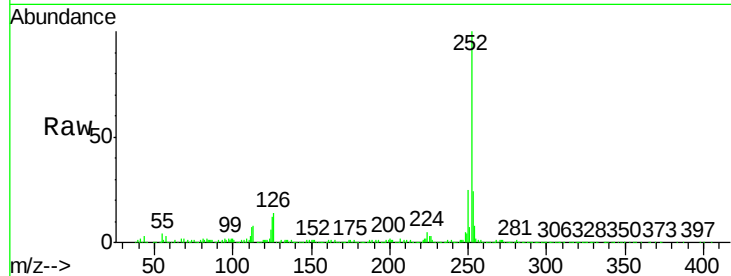




#89
Benzo(k)fluoranthene
Concen: 25.22 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

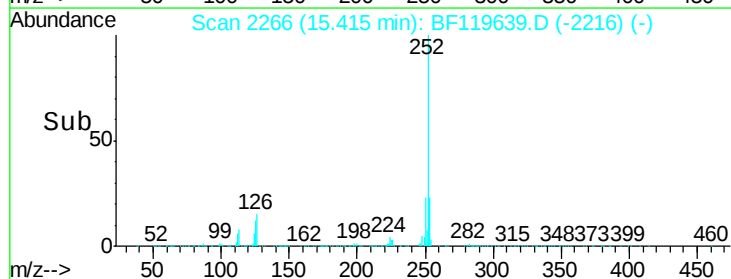
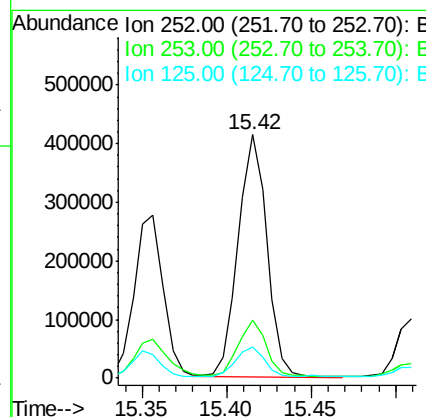
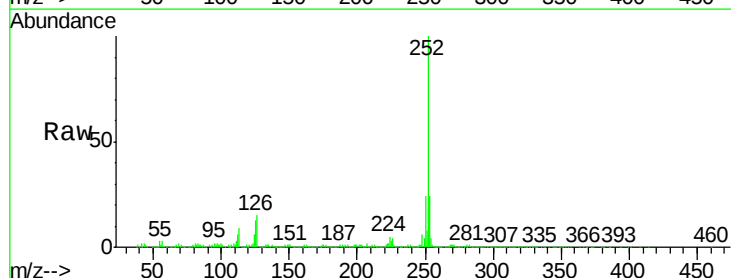
Instrument :
BNA_F
ClientSampleId :
TR-04-032720

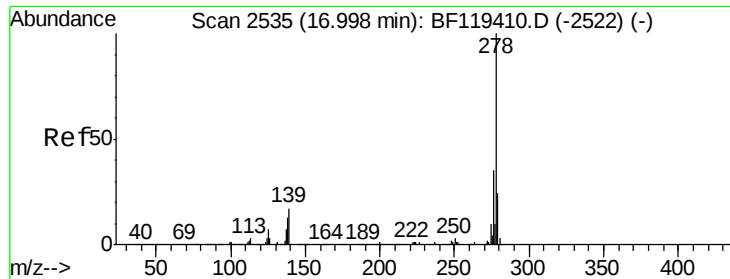
Tgt Ion:252 Resp: 853304
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 12.1 8.4 12.6



#90
Benzo(a)pyrene
Concen: 15.30 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

Tgt Ion:252 Resp: 493829
Ion Ratio Lower Upper
252 100
253 23.7 18.2 27.2
125 12.9 9.4 14.2



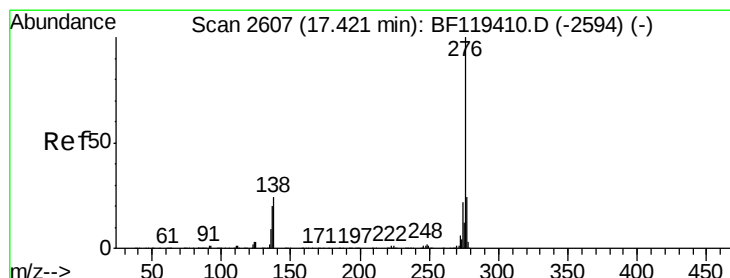
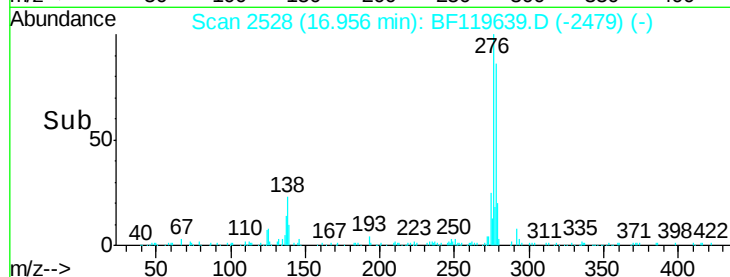
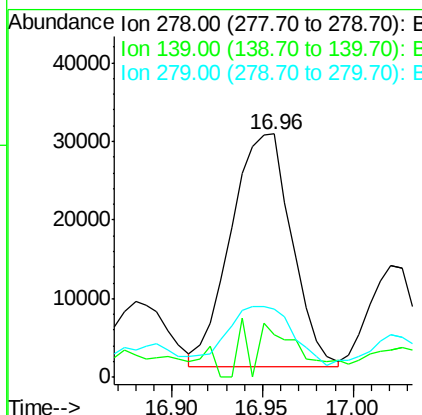
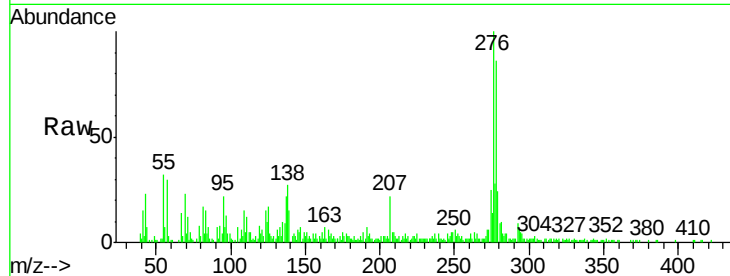


#91
Dibenzo(a,h)anthracene
Concen: 2.45 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

Instrument :
BNA_F
ClientSampleId :
TR-04-032720

Tgt Ion: 278 Resp: 69203

Ion	Ratio	Lower	Upper
278	100		
139	17.3	12.6	19.0
279	27.9	19.0	28.6



#92
Benzo(g,h,i)perylene
Concen: 8.65 ng
RT: 17.38 min Scan# 2600
Delta R.T. -0.02 min
Lab File: BF119639.D
Acq: 30 Mar 2020 18:05

Tgt Ion: 276 Resp: 245521

Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.4	27.6
138	22.8	15.4	23.0

