

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031820\
 Data File : BF119440.D
 Acq On : 19 Mar 2020 3:13
 Operator : CG/JU
 Sample : L1759-11 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-031620

Quant Time: Mar 19 07:54:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 18 15:11:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	374390	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1336479	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	588371	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	924202	20.00	ng	0.00
76) Chrysene-d12	14.03	240	699518	20.00	ng	0.00
87) Perylene-d12	15.50	264	647222	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1154045	49.07	ng	0.00
7) Phenol-d6	6.47	99	1422992	47.37	ng	0.00
23) Nitrobenzene-d5	7.42	82	843504	34.30	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	264943	43.65	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1548115	38.98	ng	0.00
79) Terphenyl-d14	12.97	244	1275225	35.72	ng	0.00

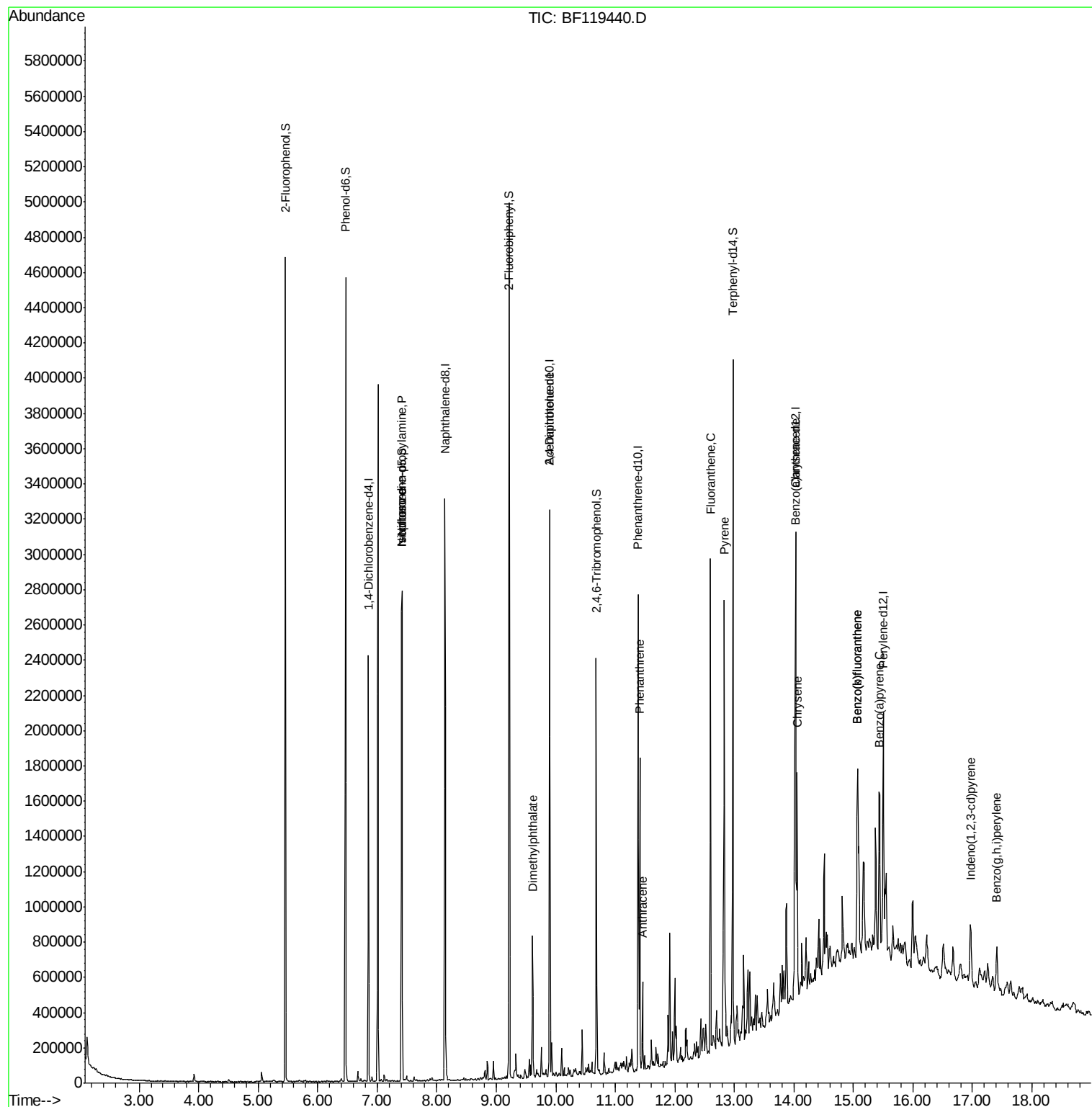
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	109844	6.07	ng	# 72
25) Isophorone	7.42	82	842989	16.90	ng	# 66
50) Dimethylphthalate	9.61	163	265371	6.35	ng	99
57) 2,4-Dinitrotoluene	9.90	165	79602	7.05	ng	# 25
71) Phenanthrene	11.41	178	592451	12.36	ng	98
72) Anthracene	11.46	178	197764	4.06	ng	98
75) Fluoranthene	12.60	202	1128462	21.76	ng	99
78) Pyrene	12.83	202	1031476	17.97	ng	99
81) Benzo(a)anthracene	14.02	228	606643	13.34	ng	97
83) Chrysene	14.05	228	520680	11.09	ng	96
86) Indeno(1,2,3-cd)pyrene	16.97	276	239880	5.43	ng	94
88) Benzo(b)fluoranthene	15.07	252	896899	20.75	ng	98
89) Benzo(k)fluoranthene	15.07	252	896899	21.79	ng	98
90) Benzo(a)pyrene	15.43	252	466908	11.88	ng	98
92) Benzo(g,h,i)perylene	17.41	276	218368	6.32	ng	99

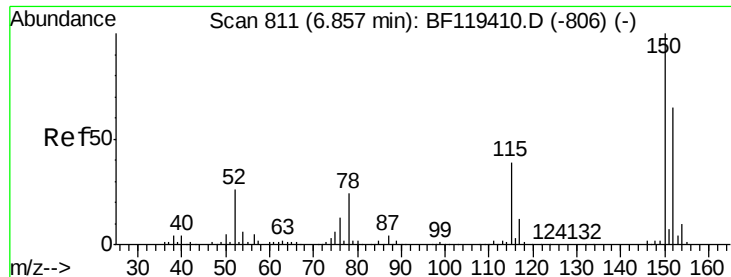
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 811

Delta R.T. -0.00 min

Lab File: BF119440.D

Acq: 19 Mar 2020 3:13

Instrument :

BNA_F

ClientSampleId :

OR-02-031620

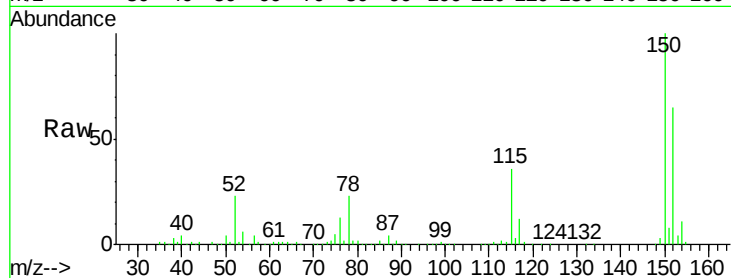
Tgt Ion:152 Resp: 374390

Ion Ratio Lower Upper

152 100

150 153.5 123.9 185.9

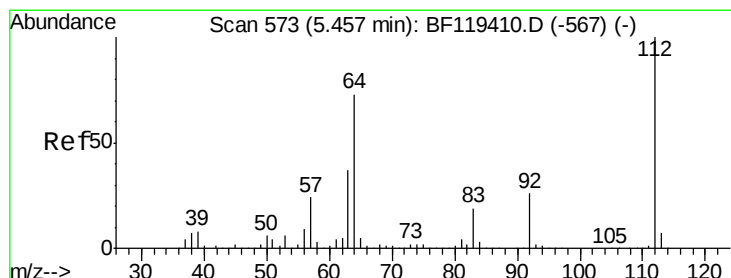
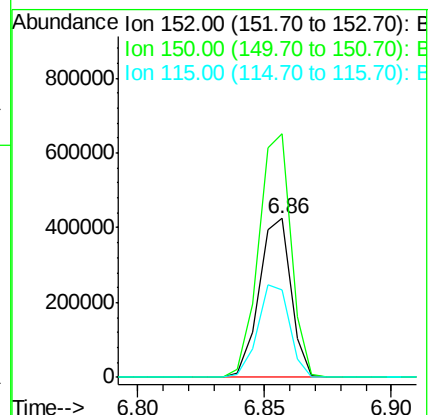
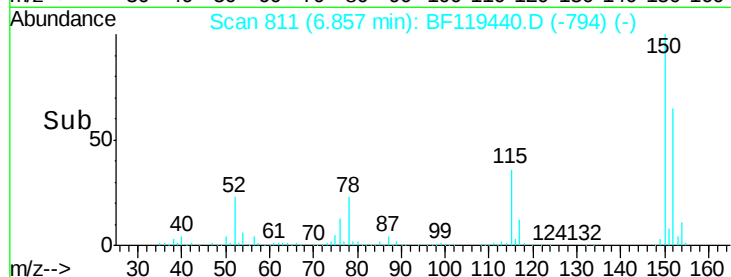
115 55.5 47.8 71.6



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: 49.07 ng

RT: 5.46 min Scan# 573

Delta R.T. -0.00 min

Lab File: BF119440.D

Acq: 19 Mar 2020 3:13

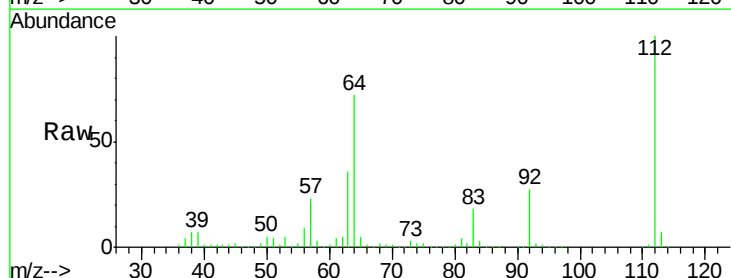
Tgt Ion:112 Resp: 1154045

Ion Ratio Lower Upper

112 100

64 71.7 58.1 87.1

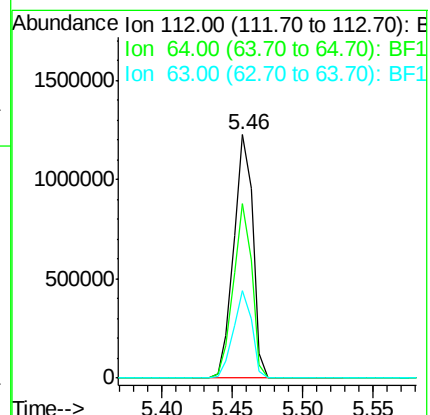
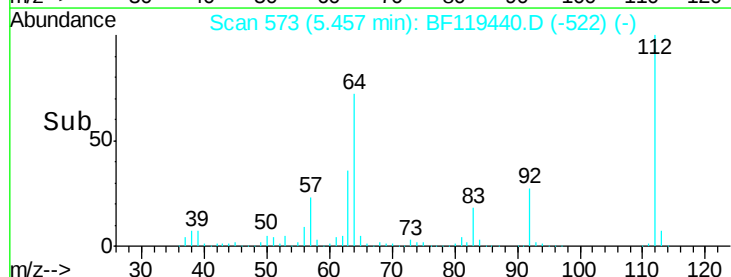
63 35.7 29.7 44.5

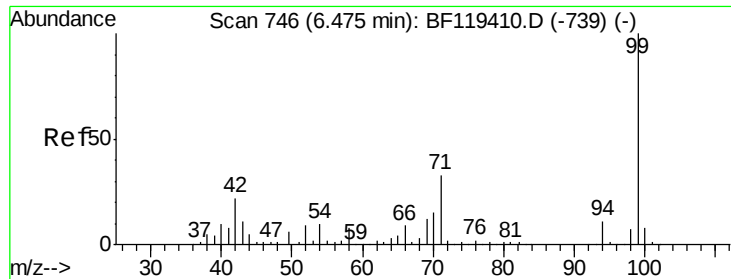


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 47.37 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF119440.D

Acq: 19 Mar 2020 3:13

Instrument :

BNA_F

ClientSampleId :

OR-02-031620

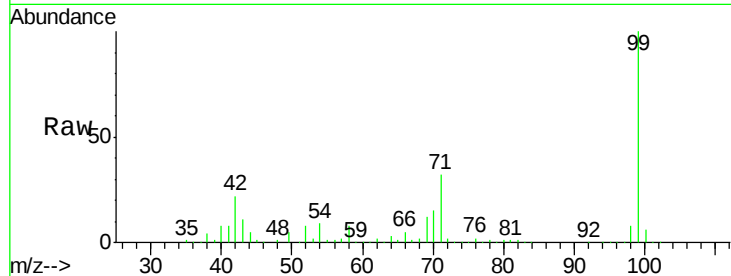
Tgt Ion: 99 Resp: 1422992

Ion Ratio Lower Upper

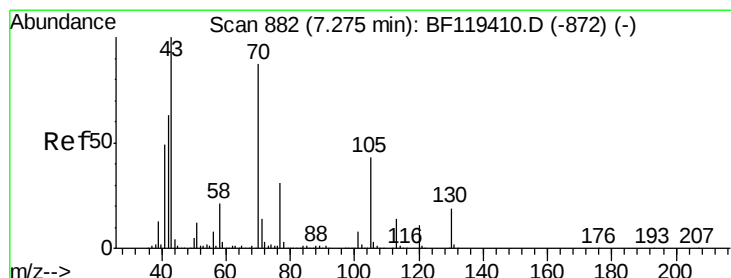
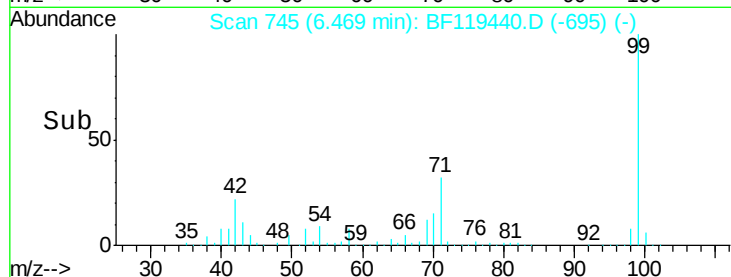
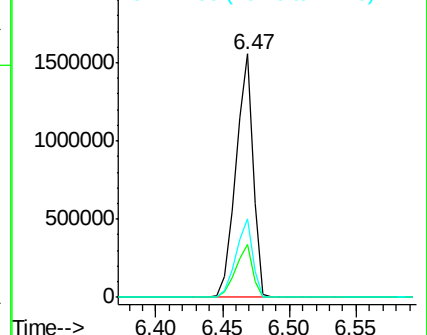
99 100

42 21.7 17.8 26.6

71 32.3 26.0 39.0



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: 6.07 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.14 min

Lab File: BF119440.D

Acq: 19 Mar 2020 3:13

Tgt Ion: 70 Resp: 109844

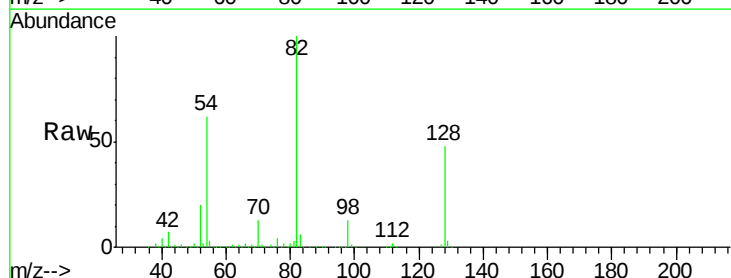
Ion Ratio Lower Upper

70 100

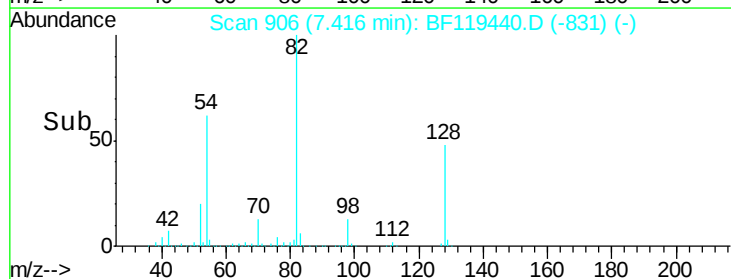
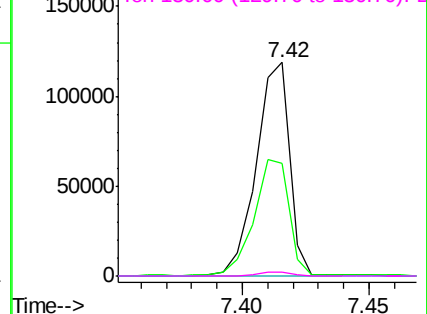
42 52.7 58.2 87.4#

101 0.0 7.4 11.2#

130 1.7 17.8 26.8#



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: 20.00 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF119440.D

Acq: 19 Mar 2020 3:13

Instrument :

BNA_F

ClientSampleId :

OR-02-031620

Tgt Ion:136 Resp: 1336479

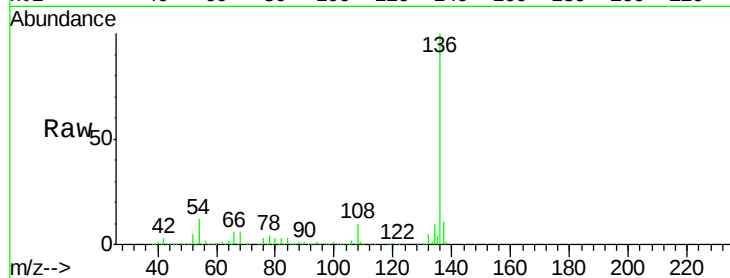
Ion Ratio Lower Upper

136 100

137 11.4 8.4 12.6

54 12.1 8.3 12.5

68 6.3 4.9 7.3

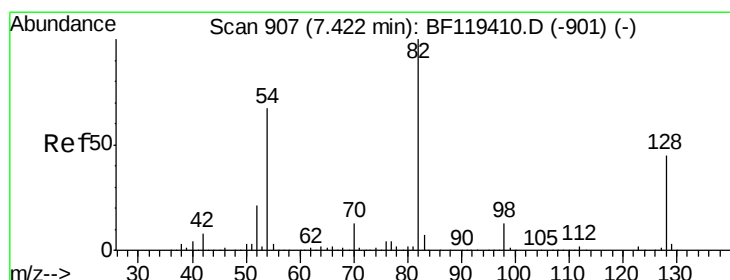
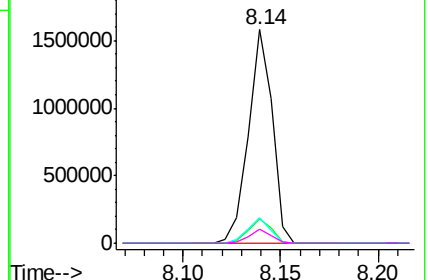
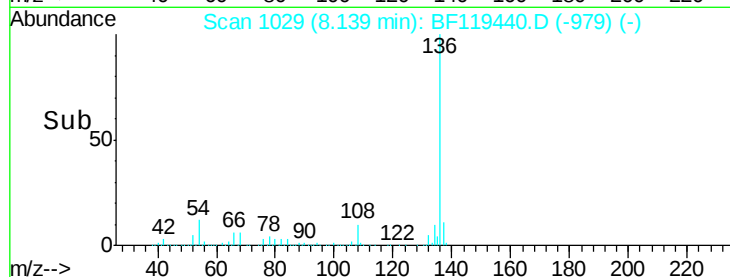


Abundance Ion 136.00 (135.70 to 136.70): E

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: 34.30 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF119440.D

Acq: 19 Mar 2020 3:13

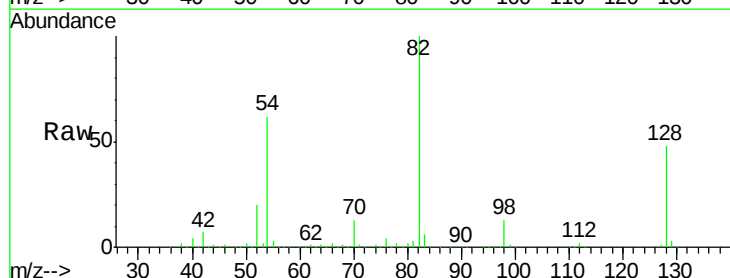
Tgt Ion: 82 Resp: 843504

Ion Ratio Lower Upper

82 100

128 47.6 35.8 53.8

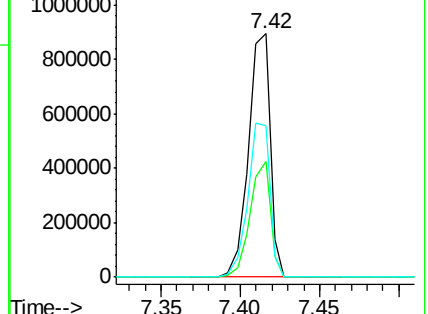
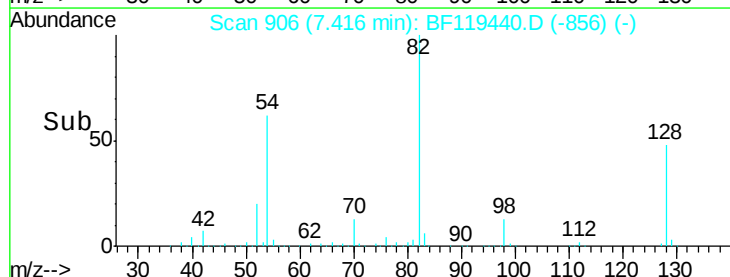
54 62.5 53.4 80.0

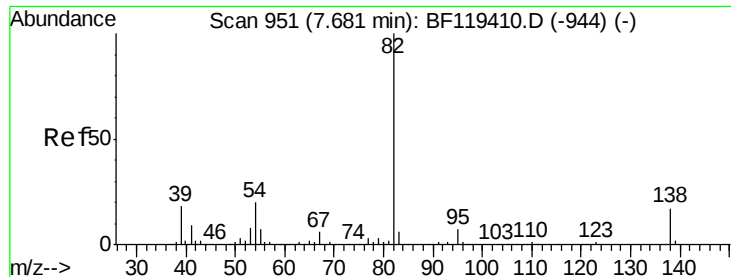


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 16.90 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF119440.D

Acq: 19 Mar 2020 3:13

Instrument :

BNA_F

ClientSampleId :

OR-02-031620

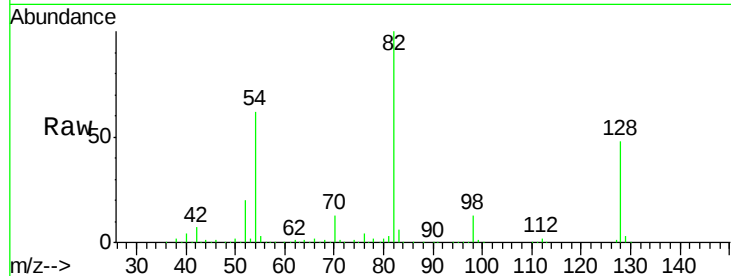
Tgt Ion: 82 Resp: 842989

Ion Ratio Lower Upper

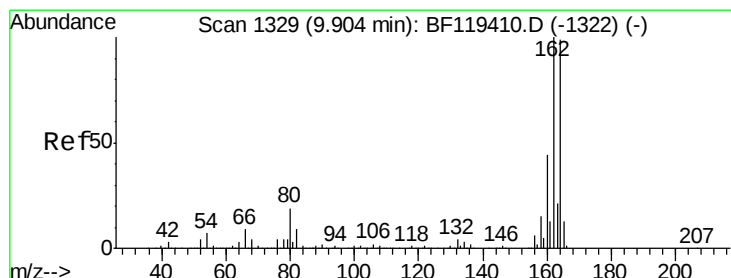
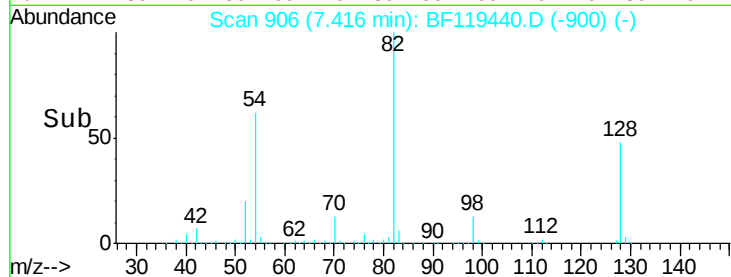
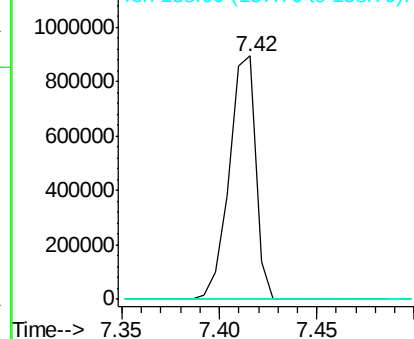
82 100

95 0.0 5.4 8.2#

138 0.0 13.8 20.8#



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: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF119440.D

Acq: 19 Mar 2020 3:13

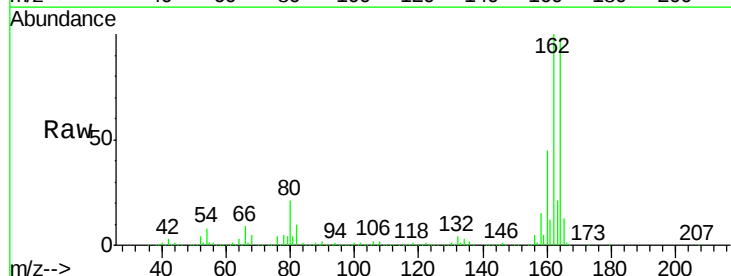
Tgt Ion: 164 Resp: 588371

Ion Ratio Lower Upper

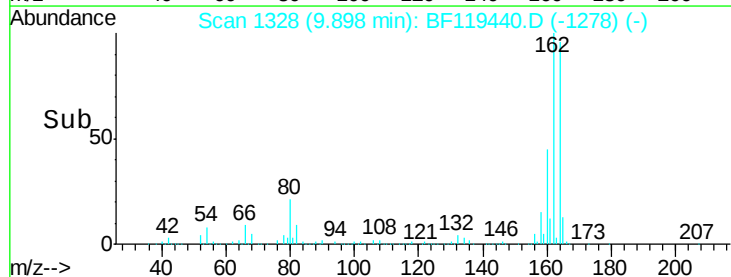
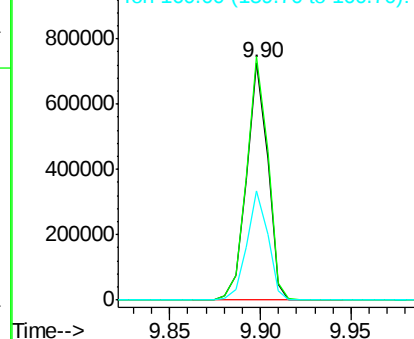
164 100

162 102.5 80.7 121.1

160 45.9 35.5 53.3



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

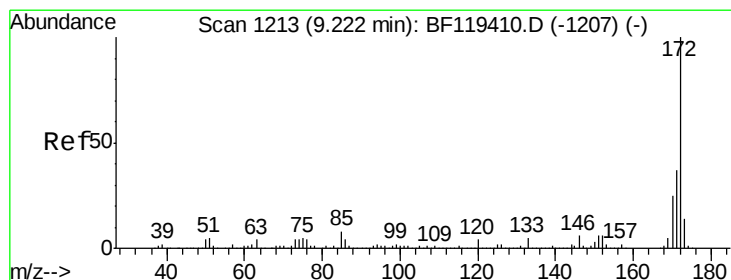
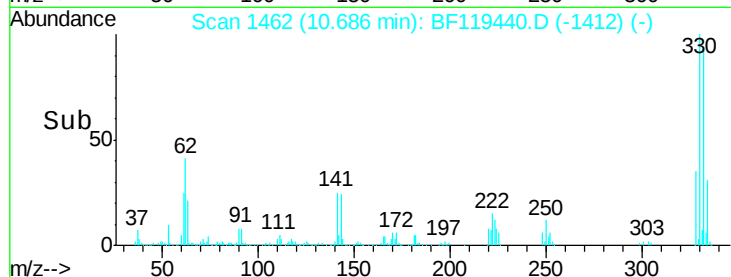
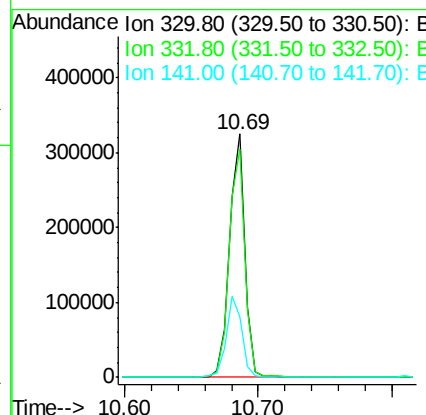
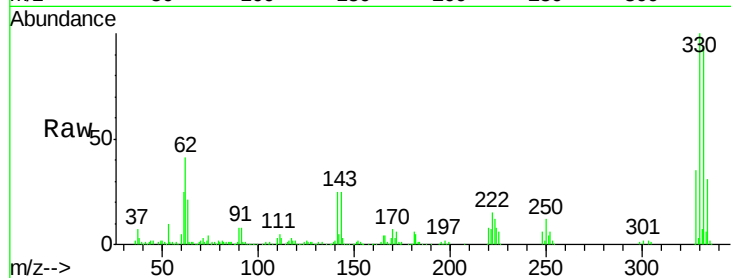




#42
 2,4,6-Tribromophenol
 Concen: 43.65 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF119440.D
 Acq: 19 Mar 2020 3:13

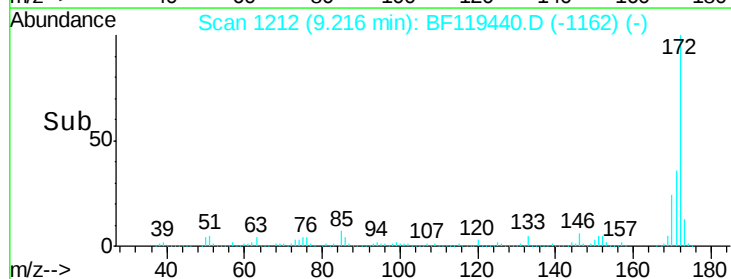
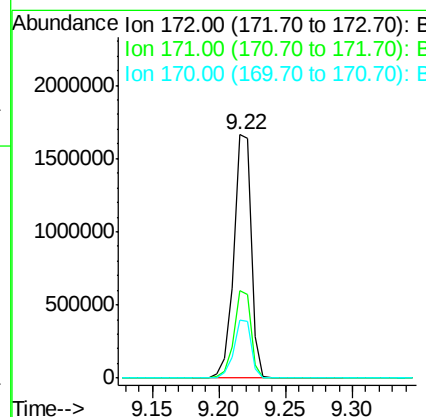
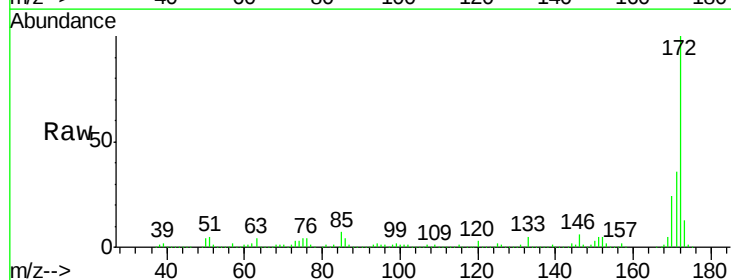
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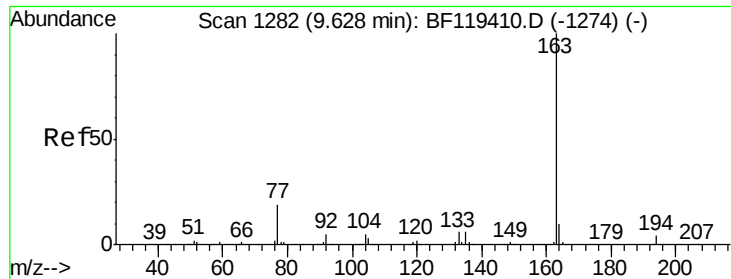
Tgt Ion:330 Resp: 264943
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.6 116.4
 141 33.4 26.6 40.0



#45
 2-Fluorobiphenyl
 Concen: 38.98 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF119440.D
 Acq: 19 Mar 2020 3:13

Tgt Ion:172 Resp: 1548115
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.9 44.9
 170 24.0 20.1 30.1

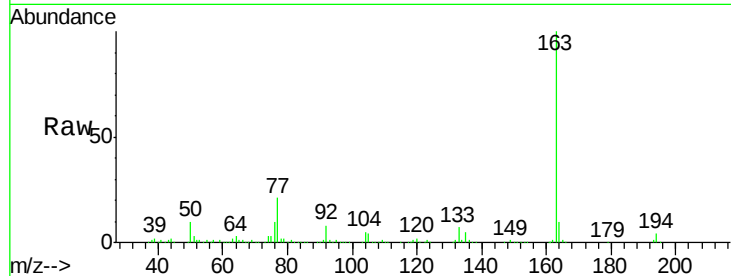




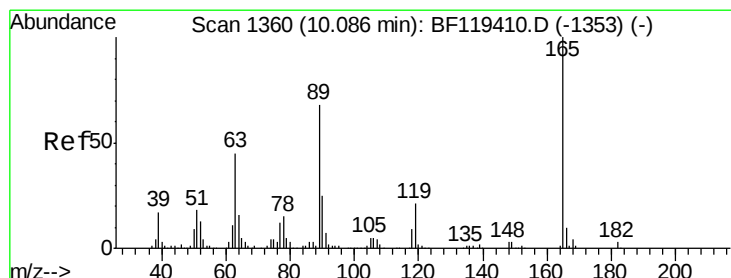
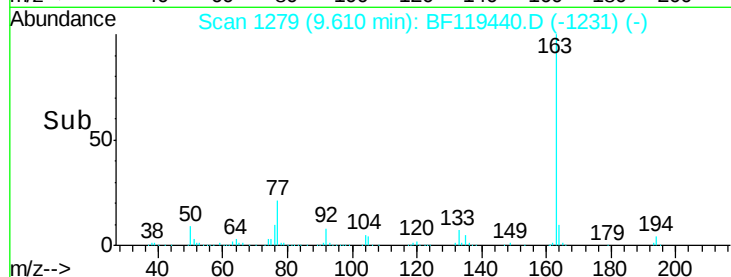
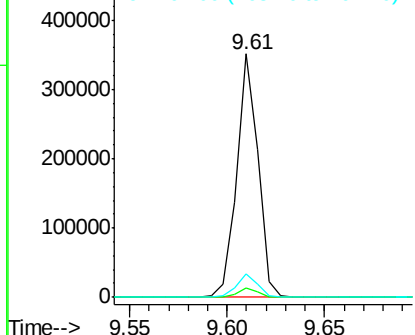
#50
Dimethylphthalate
Concen: 6.35 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF119440.D
Acq: 19 Mar 2020 3:13

Instrument :
BNA_F
ClientSampleId :
OR-02-031620

Tgt Ion:163 Resp: 265371
Ion Ratio Lower Upper
163 100
194 4.1 3.2 4.8
164 9.6 8.1 12.1

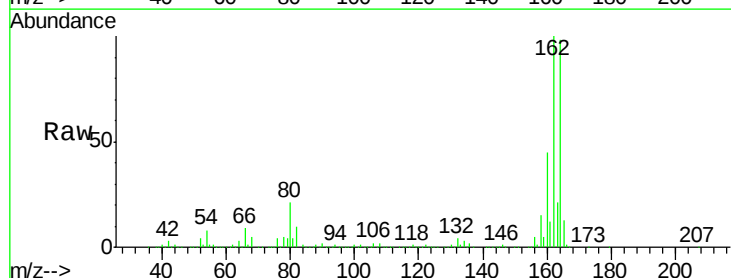


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

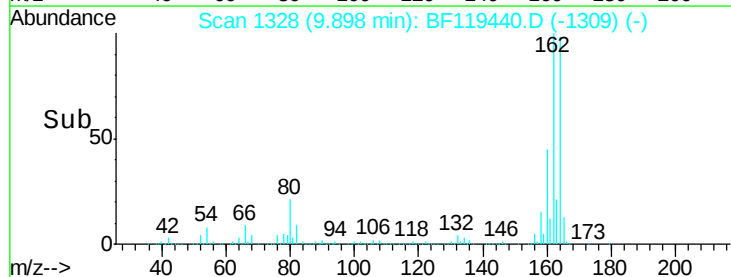
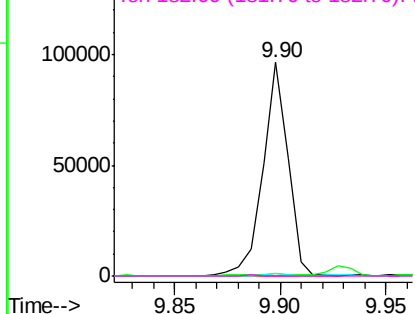


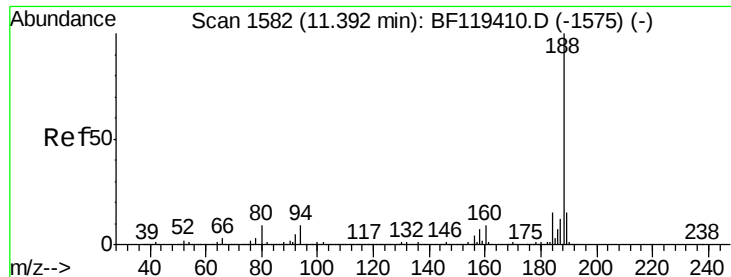
#57
2,4-Dinitrotoluene
Concen: 7.05 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.19 min
Lab File: BF119440.D
Acq: 19 Mar 2020 3:13

Tgt Ion:165 Resp: 79602
Ion Ratio Lower Upper
165 100
63 1.5 36.2 54.4#
89 1.3 54.3 81.5#
182 0.0 2.0 3.0#



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

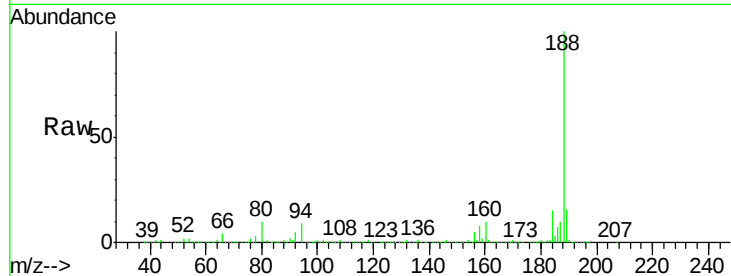




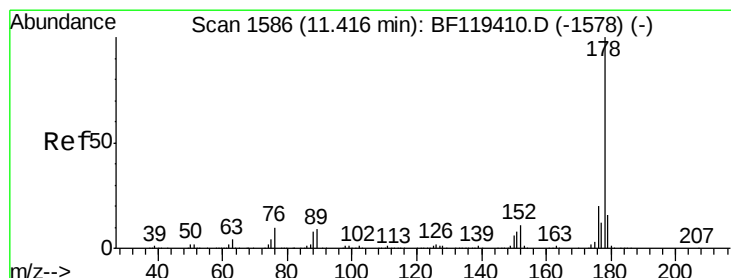
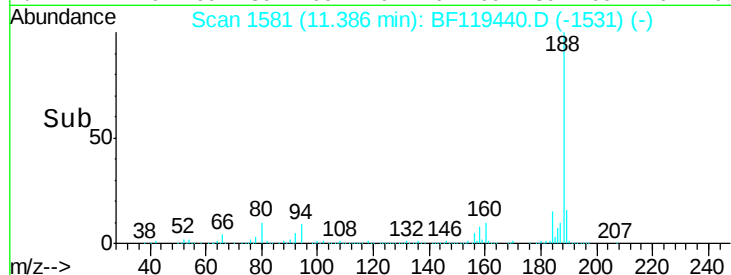
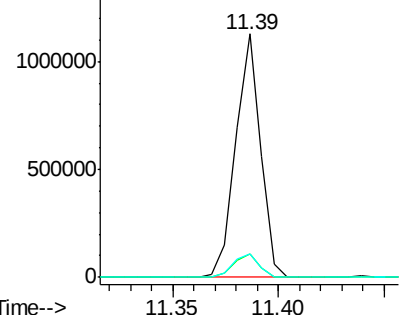
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF119440.D
Acq: 19 Mar 2020 3:13

Instrument :
BNA_F
ClientSampleId :
OR-02-031620

Tgt Ion:188 Resp: 924202
Ion Ratio Lower Upper
188 100
94 9.5 7.1 10.7
80 9.9 7.5 11.3

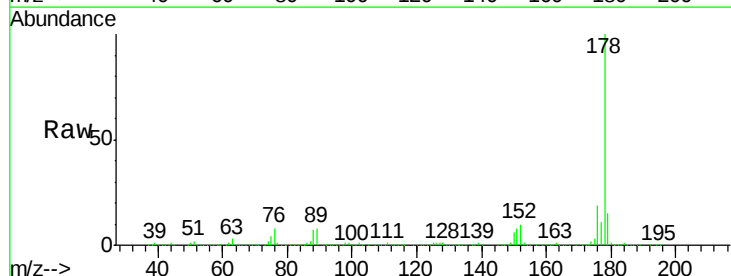


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

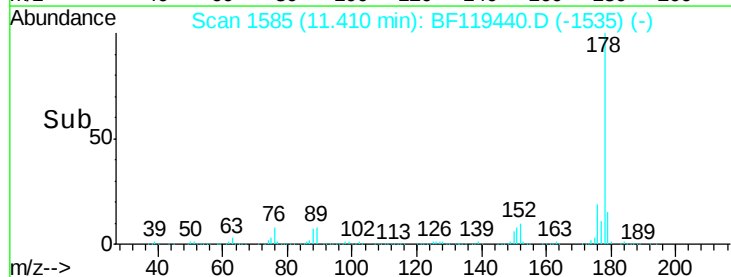
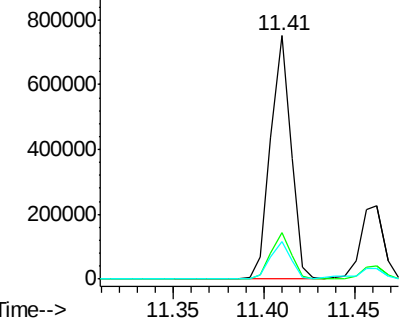


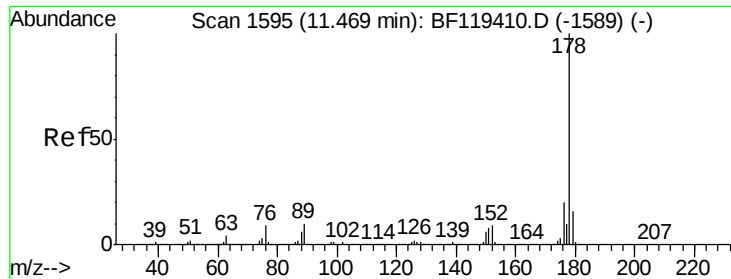
#71
Phenanthrene
Concen: 12.36 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF119440.D
Acq: 19 Mar 2020 3:13

Tgt Ion:178 Resp: 592451
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.4
179 15.3 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 4.06 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF119440.D

Acq: 19 Mar 2020 3:13

Instrument :

BNA_F

ClientSampleId :

OR-02-031620

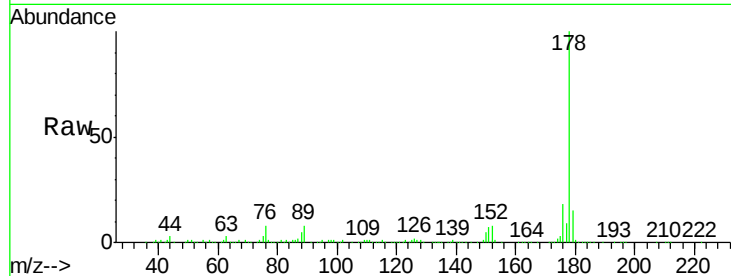
Tgt Ion:178 Resp: 197764

Ion Ratio Lower Upper

178 100

176 18.5 15.6 23.4

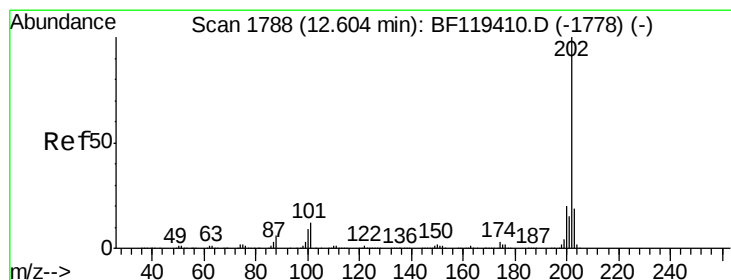
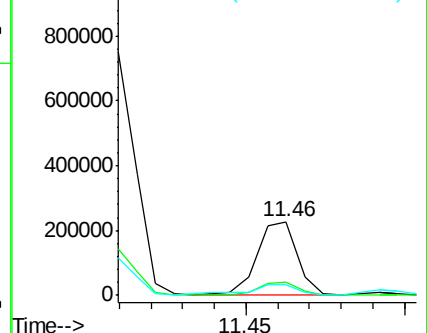
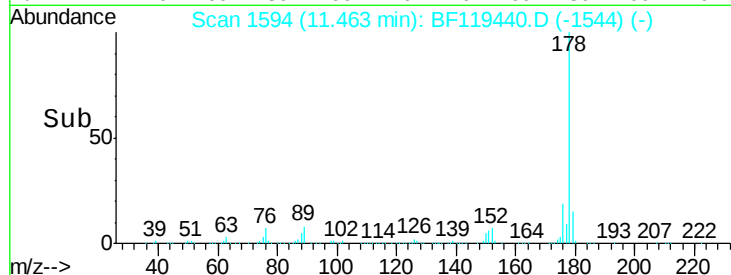
179 15.2 13.1 19.7



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: 21.76 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF119440.D

Acq: 19 Mar 2020 3:13

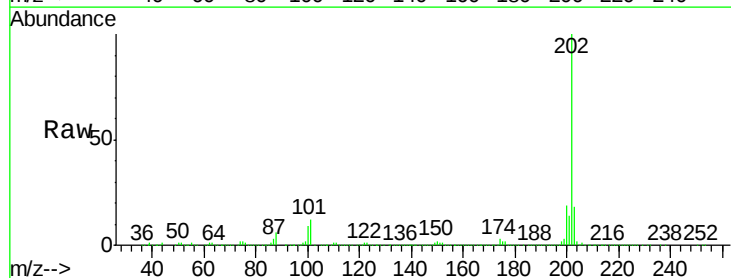
Tgt Ion:202 Resp: 1128462

Ion Ratio Lower Upper

202 100

101 12.0 0.0 32.4

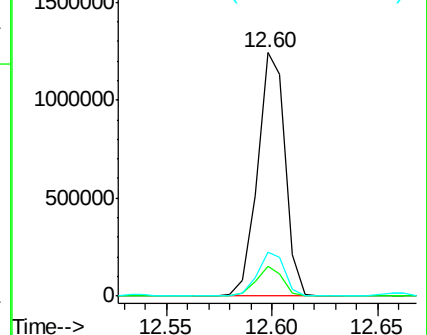
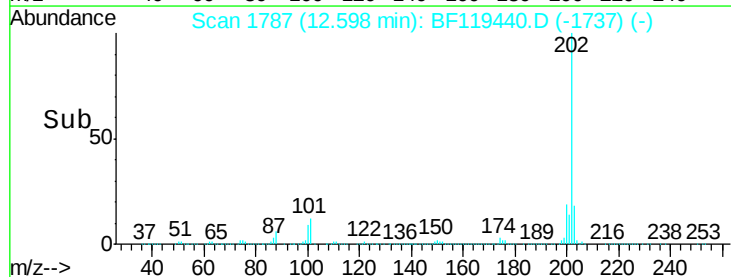
203 17.8 0.0 38.5

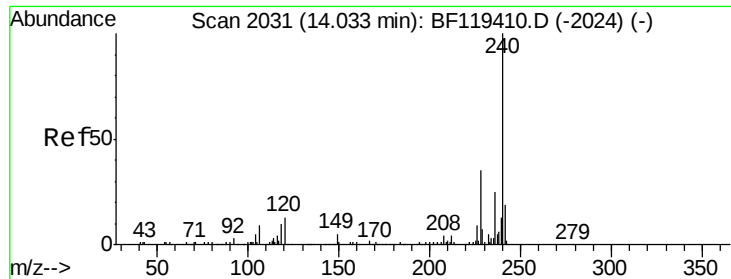


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

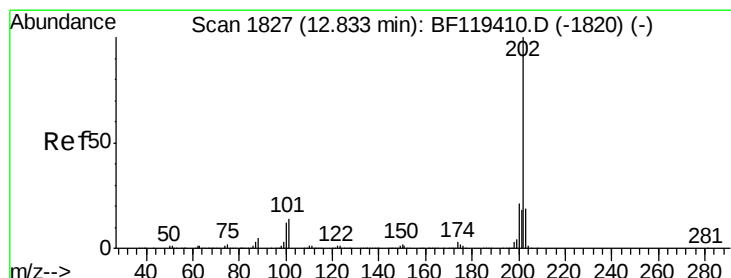
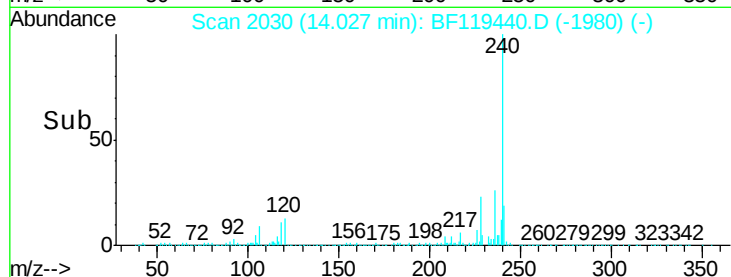
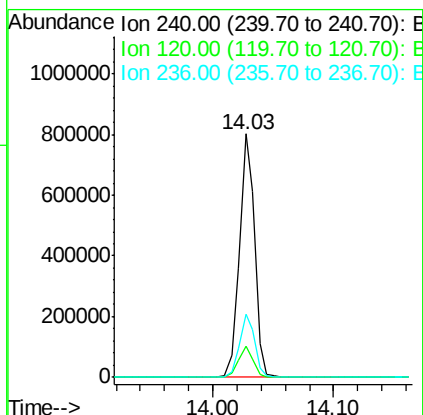
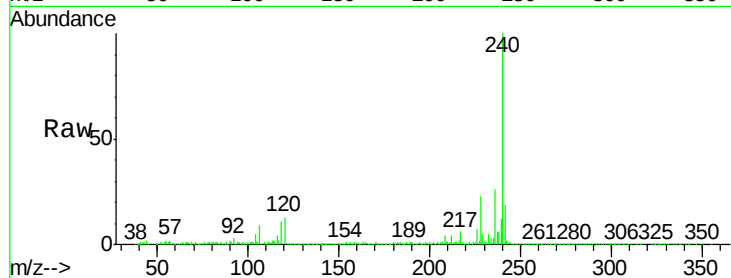




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF119440.D
Acq: 19 Mar 2020 3:13

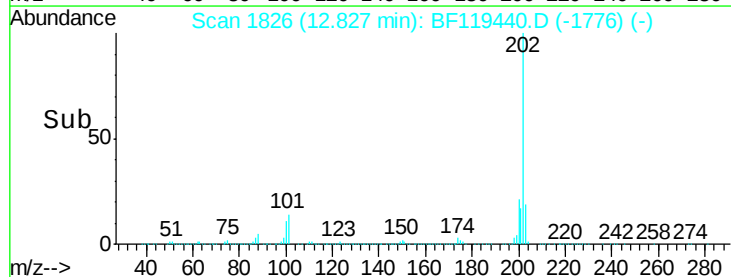
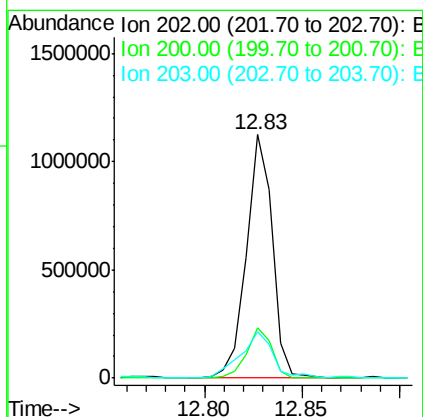
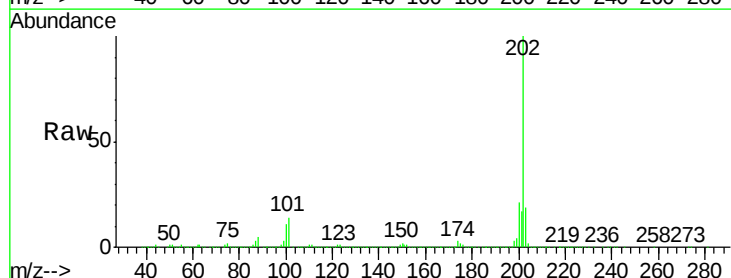
Instrument :
BNA_F
ClientSampleId :
OR-02-031620

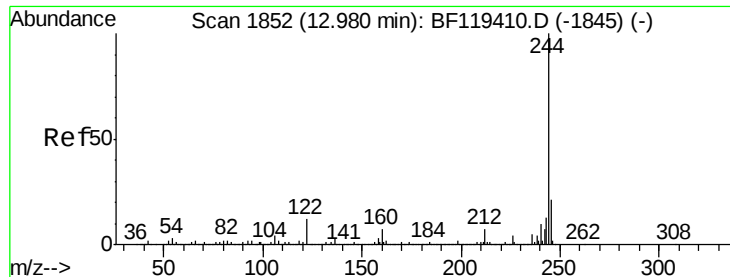
Tgt Ion:240 Resp: 699518
Ion Ratio Lower Upper
240 100
120 12.8 10.2 15.4
236 25.8 20.4 30.6



#78
Pyrene
Concen: 17.97 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF119440.D
Acq: 19 Mar 2020 3:13

Tgt Ion:202 Resp: 1031476
Ion Ratio Lower Upper
202 100
200 20.6 16.8 25.2
203 19.0 14.8 22.2





#79

Terphenyl-d14

Concen: 35.72 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BF119440.D

Acq: 19 Mar 2020 3:13

Instrument :

BNA_F

ClientSampleId :

OR-02-031620

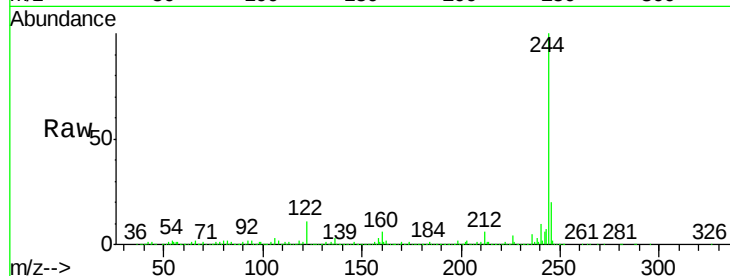
Tgt Ion:244 Resp: 1275225

Ion Ratio Lower Upper

244 100

212 6.3 5.7 8.5

122 11.1 9.8 14.8



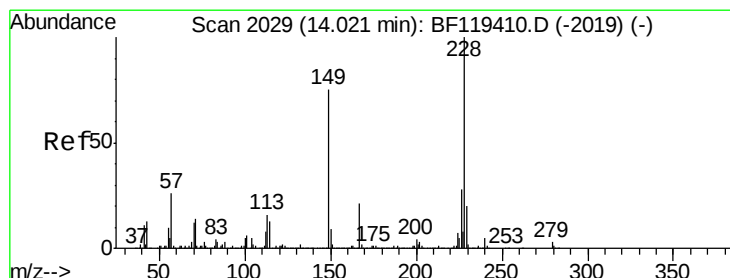
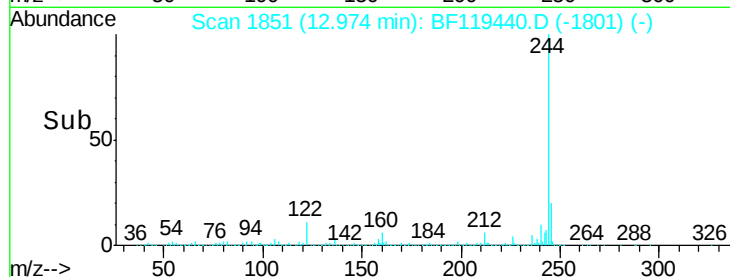
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.97

Time-->



#81

Benzo(a)anthracene

Concen: 13.34 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF119440.D

Acq: 19 Mar 2020 3:13

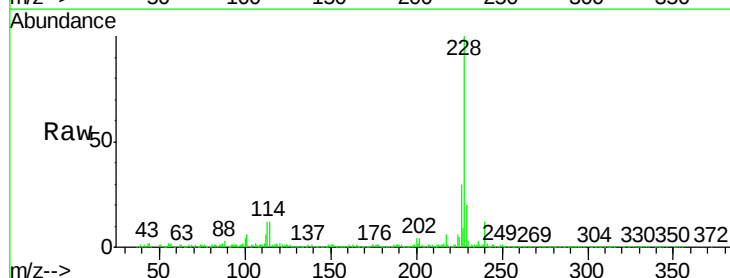
Tgt Ion:228 Resp: 606643

Ion Ratio Lower Upper

228 100

226 30.2 22.3 33.5

229 20.3 16.3 24.5



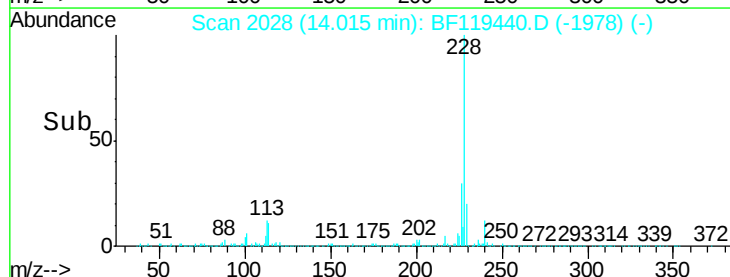
Abundance Ion 228.00 (227.70 to 228.70): E

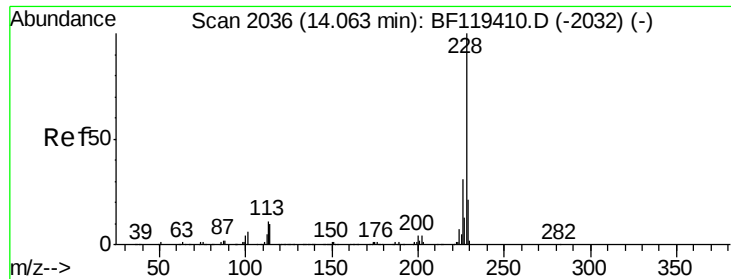
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

14.02

Time-->





#83

Chrysene

Concen: 11.09 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF119440.D

Acq: 19 Mar 2020 3:13

Instrument :

BNA_F

ClientSampleId :

OR-02-031620

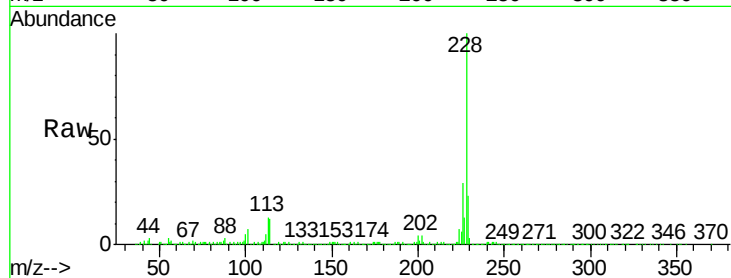
Tgt Ion:228 Resp: 520680

Ion Ratio Lower Upper

228 100

226 29.4 24.8 37.2

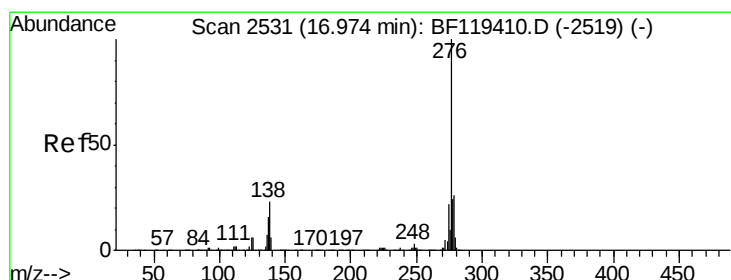
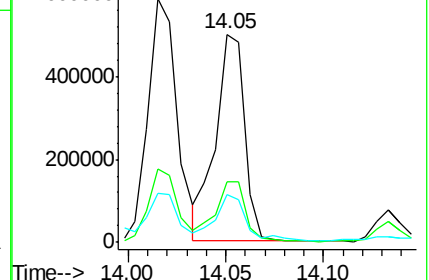
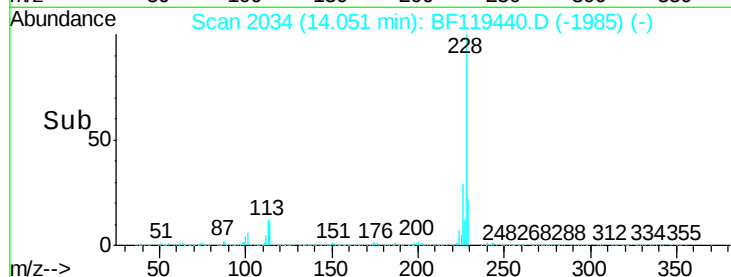
229 23.0 16.6 25.0



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: 5.43 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.01 min

Lab File: BF119440.D

Acq: 19 Mar 2020 3:13

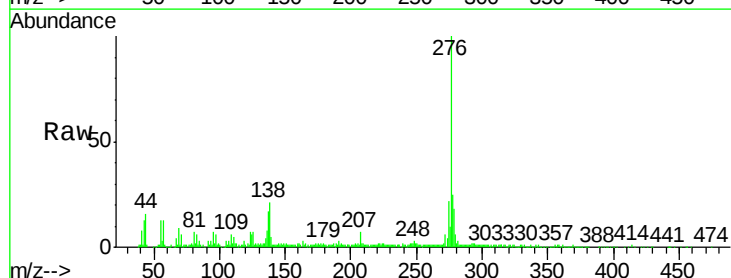
Tgt Ion:276 Resp: 239880

Ion Ratio Lower Upper

276 100

138 21.4 21.3 31.9

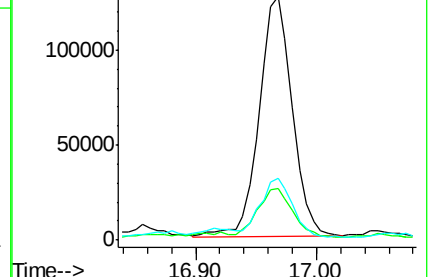
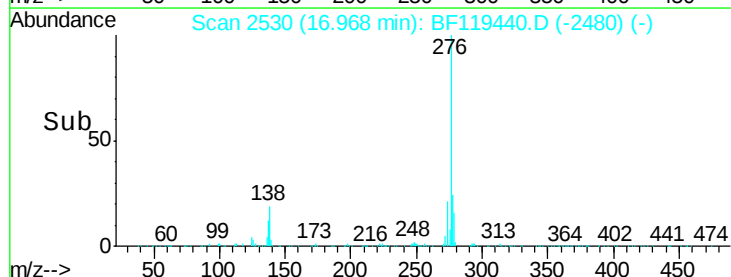
277 24.0 20.2 30.2

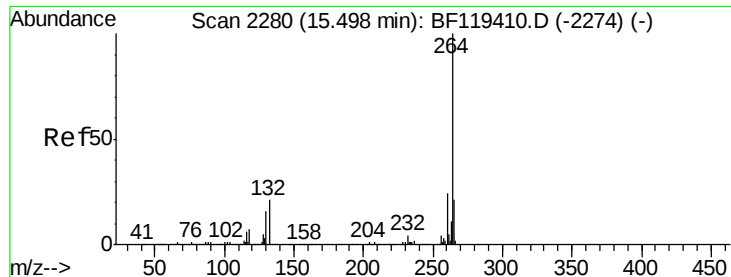


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

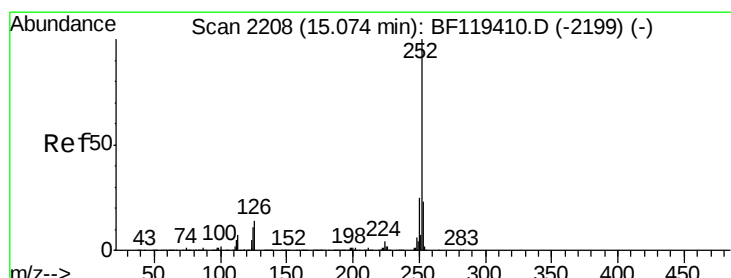
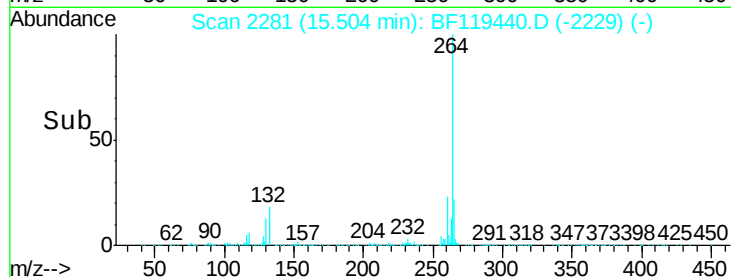
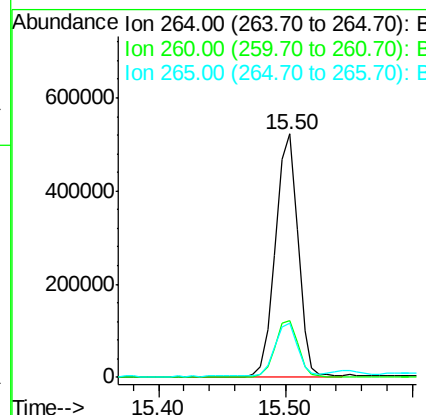
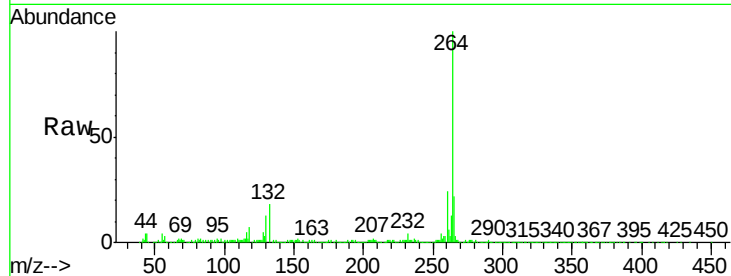




#87
Perylene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF119440.D
Acq: 19 Mar 2020 3:13

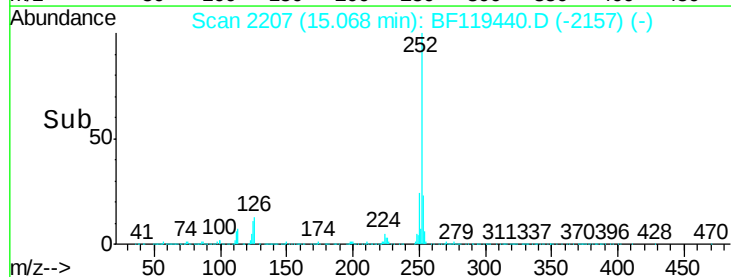
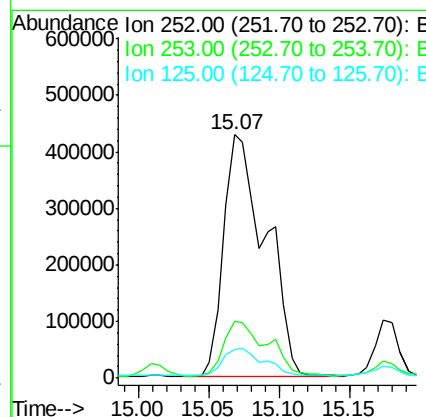
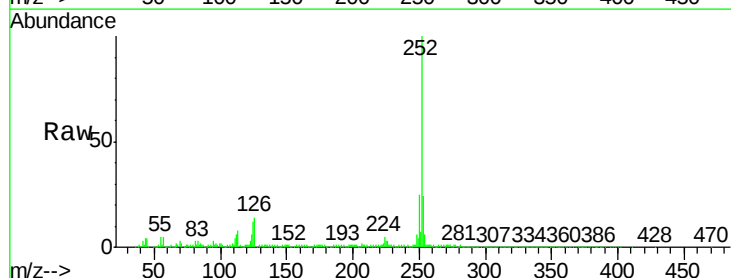
Instrument :
BNA_F
ClientSampleId :
OR-02-031620

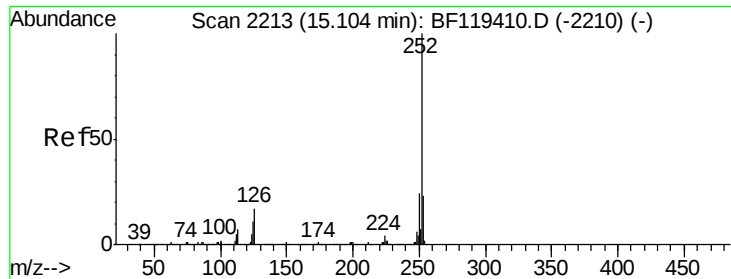
Tgt Ion:264 Resp: 647222
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 22.2 16.9 25.3



#88
Benzo(b)fluoranthene
Concen: 20.75 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF119440.D
Acq: 19 Mar 2020 3:13

Tgt Ion:252 Resp: 896899
Ion Ratio Lower Upper
252 100
253 23.5 18.2 27.4
125 11.9 8.8 13.2

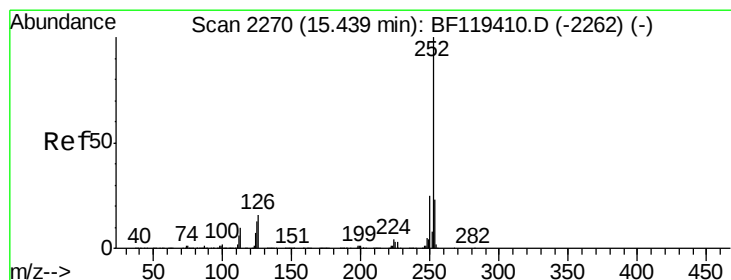
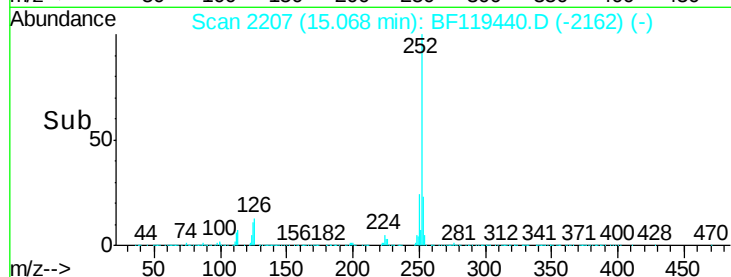
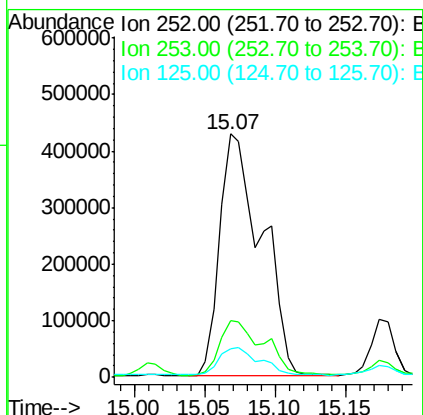
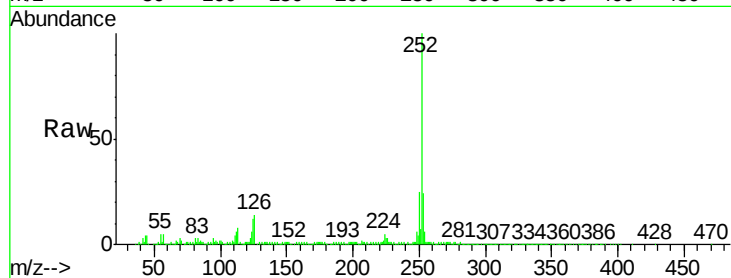




#89
Benzo(k)fluoranthene
Concen: 21.79 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.04 min
Lab File: BF119440.D
Acq: 19 Mar 2020 3:13

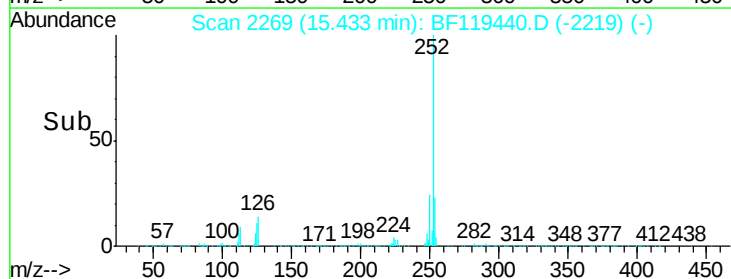
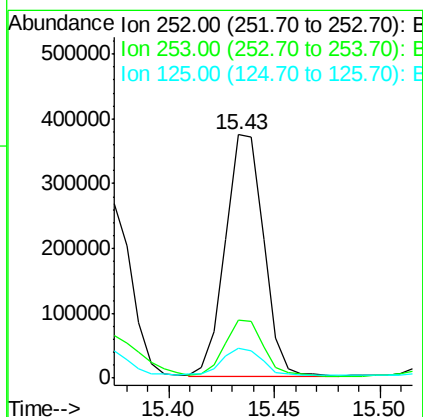
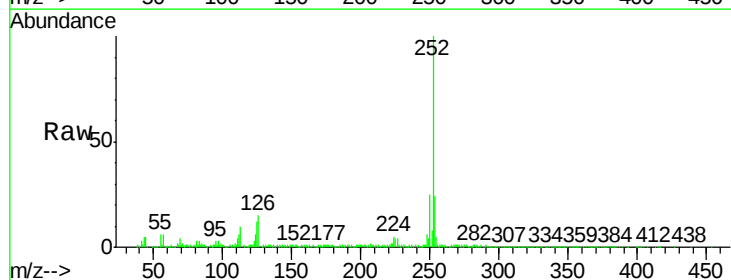
Instrument :
BNA_F
ClientSampleId :
OR-02-031620

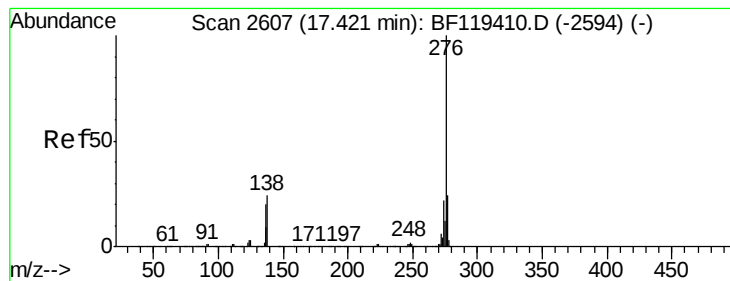
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.4
125	11.9	9.0	13.4



#90
Benzo(a)pyrene
Concen: 11.88 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF119440.D
Acq: 19 Mar 2020 3:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.4
125	12.4	10.2	15.2





#92

Benzo(g,h,i)perylene

Concen: 6.32 ng

RT: 17.41 min Scan# 2605

Delta R.T. -0.01 min

Lab File: BF119440.D

Acq: 19 Mar 2020 3:13

Instrument :

BNA_F

ClientSampleId :

OR-02-031620

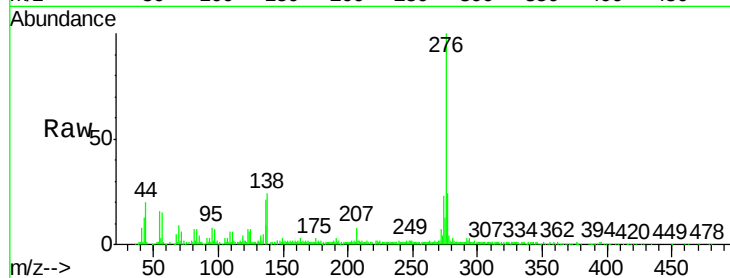
Tgt Ion: 276 Resp: 218368

Ion Ratio Lower Upper

276 100

277 24.0 18.8 28.2

138 23.8 19.1 28.7



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

