

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030420\
 Data File : BF119206.D
 Acq On : 4 Mar 2020 20:52
 Operator : CG/JU
 Sample : L1772-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 05 05:50:12 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	129085	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	461487	20.00	ng	-0.01
39) Acenaphthene-d10	9.77	164	212074	20.00	ng	-0.01
64) Phenanthrene-d10	11.26	188	329716	20.00	ng	0.00
76) Chrysene-d12	13.90	240	261098	20.00	ng	0.00
87) Perylene-d12	15.33	264	216646	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	791889	102.52	ng	0.01
7) Phenol-d6	6.40	99	932793	99.30	ng	0.00
23) Nitrobenzene-d5	7.30	82	583185	66.72	ng	-0.02
42) 2,4,6-Tribromophenol	10.57	330	232264	83.72	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1101753	76.53	ng	-0.01
79) Terphenyl-d14	12.84	244	1051968	69.37	ng	0.00

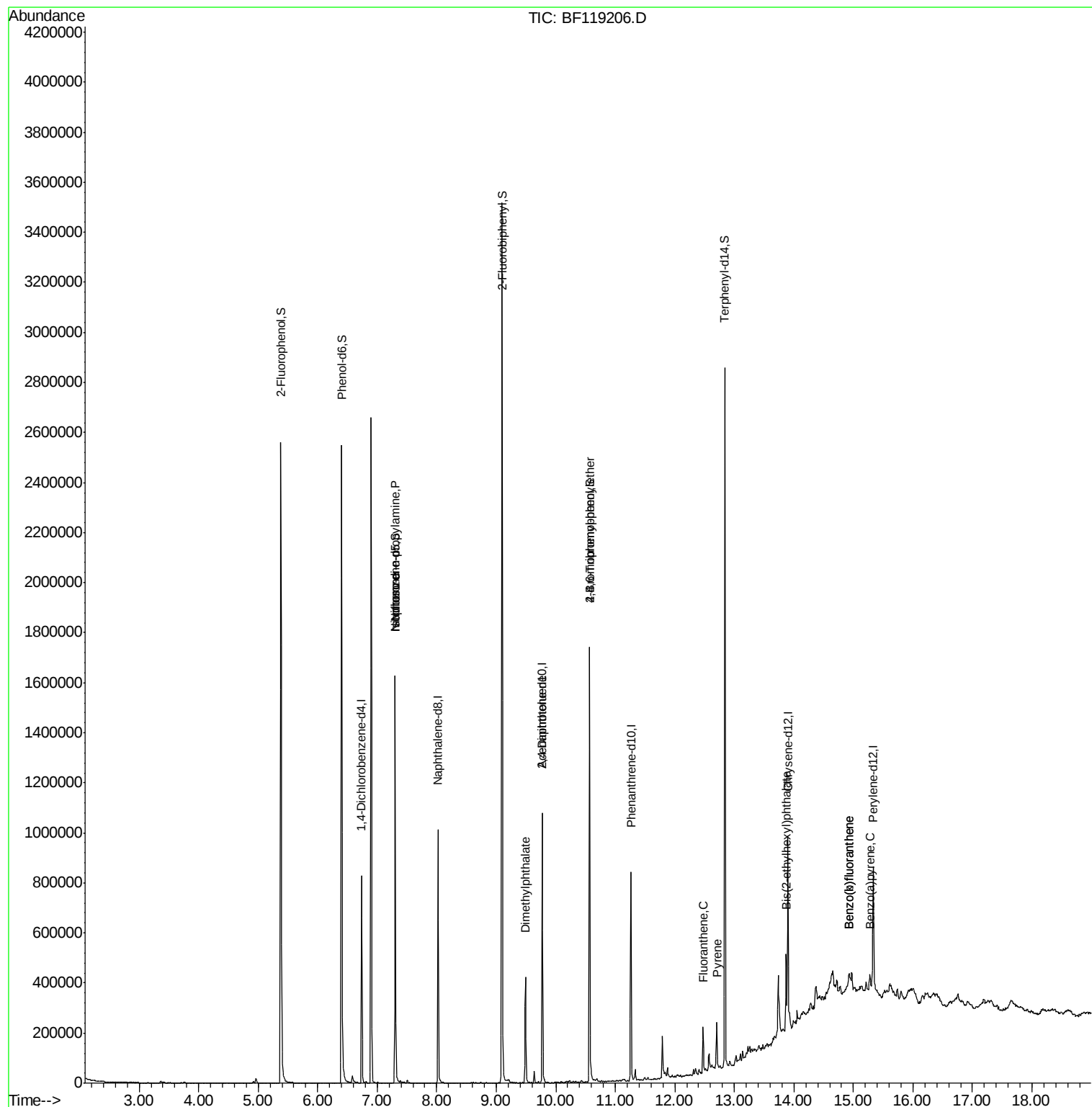
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	81935	14.968	ng	# 75
25) Isophorone	7.30	82	583179	38.419	ng	# 63
50) Dimethylphthalate	9.49	163	180059	11.103	ng	99
57) 2,4-Dinitrotoluene	9.77	165	26416	5.656	ng	# 21
67) 4-Bromophenyl-phenylether	10.57	248	14815	3.438	ng	# 1
75) Fluoranthene	12.47	202	72937	3.821	ng	96
78) Pyrene	12.70	202	75910	3.621	ng	97
84) Bis(2-ethylhexyl)phthalate	13.87	149	90774	8.143	ng	97
88) Benzo(b)fluoranthene	14.93	252	37397	2.619	ng	# 82
89) Benzo(k)fluoranthene	14.93	252	37397	2.826	ng	# 82
90) Benzo(a)pyrene	15.27	252	26308	2.041	ng	# 85

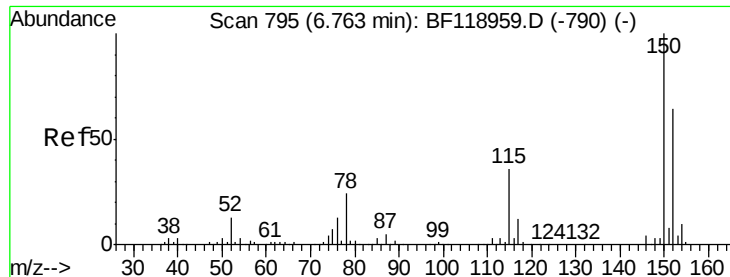
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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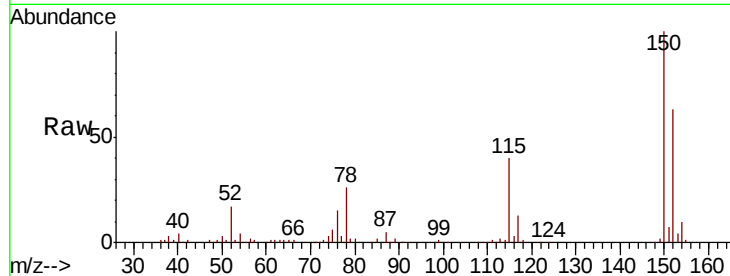


#1

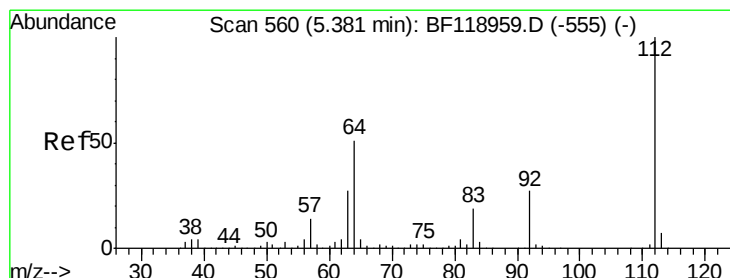
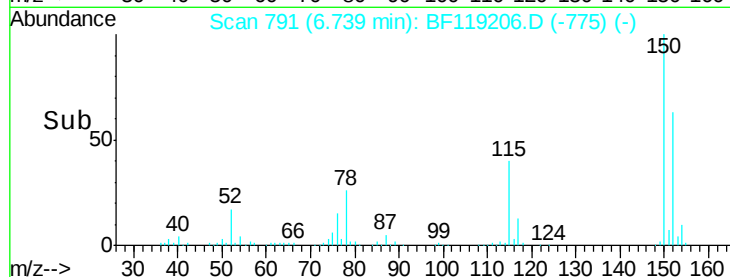
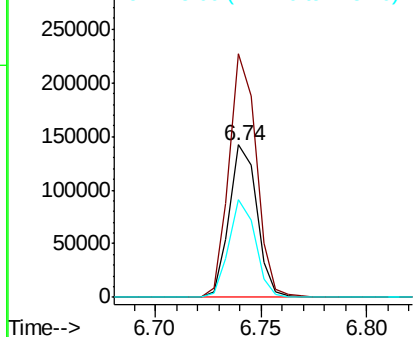
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF119206.D
Acq: 4 Mar 2020 20:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	123.0	184.6
115	63.8	49.5	74.3



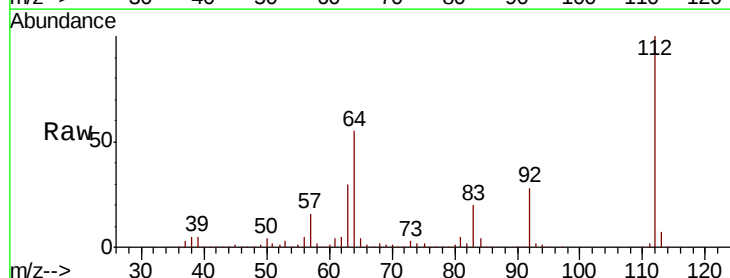
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



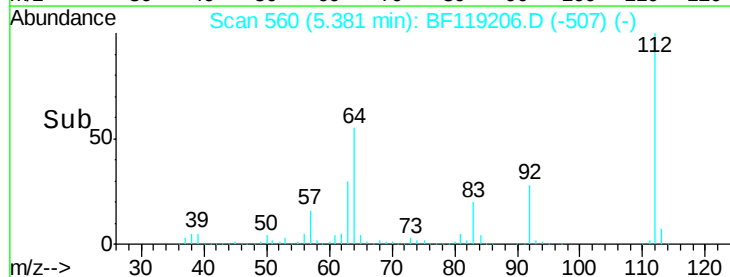
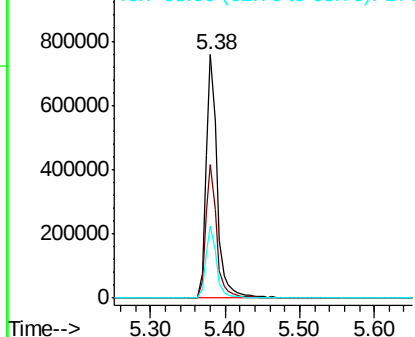
#5

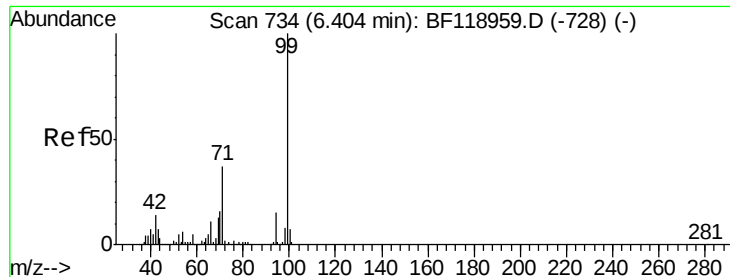
2-Fluorophenol
Concen: 102.521 ng
RT: 5.38 min Scan# 560
Delta R.T. 0.01 min
Lab File: BF119206.D
Acq: 4 Mar 2020 20:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	45.0	67.4
63	29.6	24.2	36.4



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: 99.296 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF119206.D

Acq: 4 Mar 2020 20:52

Instrument :

BNA_F

ClientSampleId :

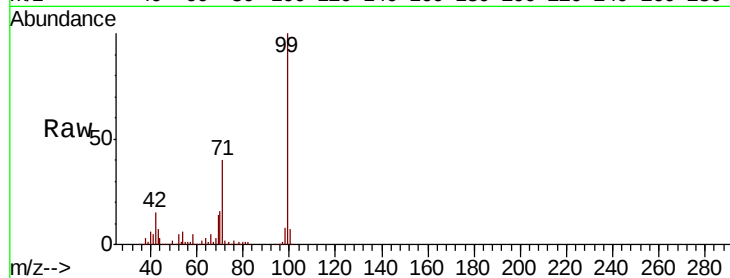
Tot Ion: 99 Resp: 932793

Ion Ratio Lower Upper

99 100

42 15.1 12.6 18.8

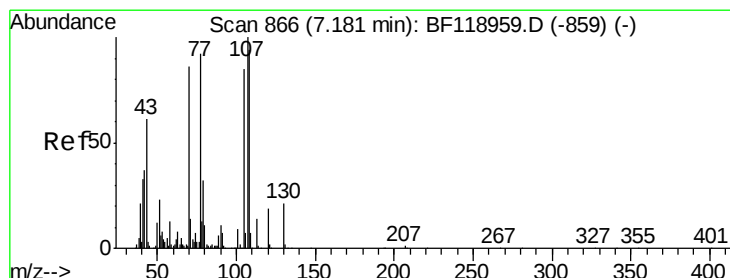
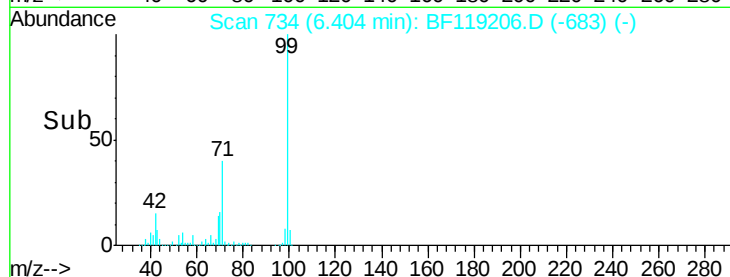
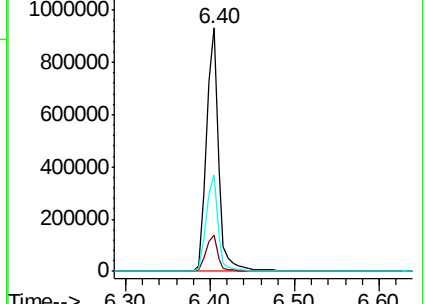
71 39.6 31.0 46.4



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: 14.968 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.13 min

Lab File: BF119206.D

Acq: 4 Mar 2020 20:52

Tgt Ion: 70 Resp: 81935

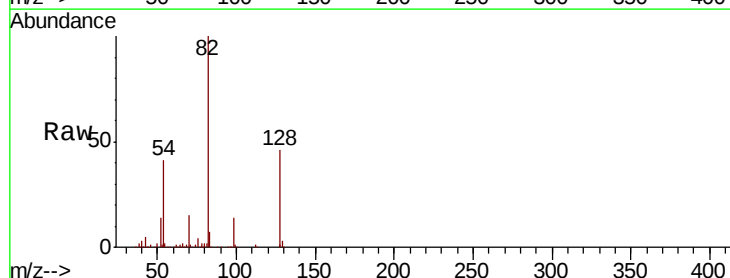
Ion Ratio Lower Upper

70 100

42 36.7 38.0 57.0#

101 0.0 8.2 12.4#

130 1.9 18.2 27.4#

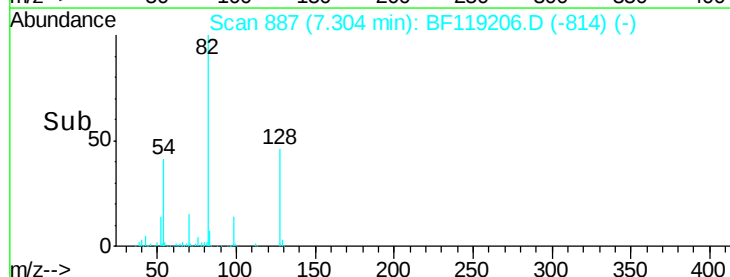
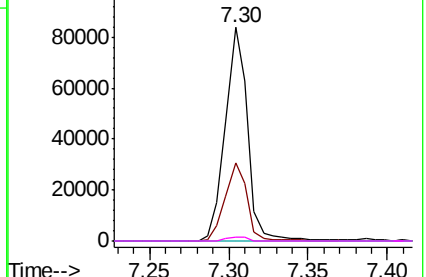


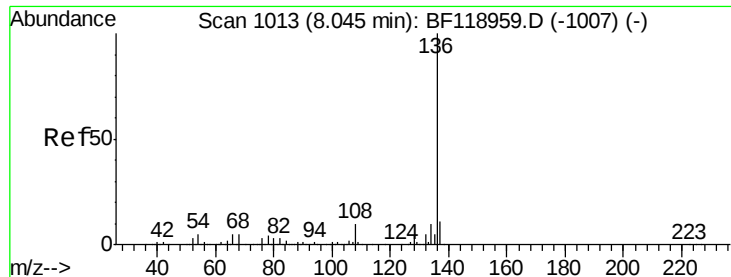
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

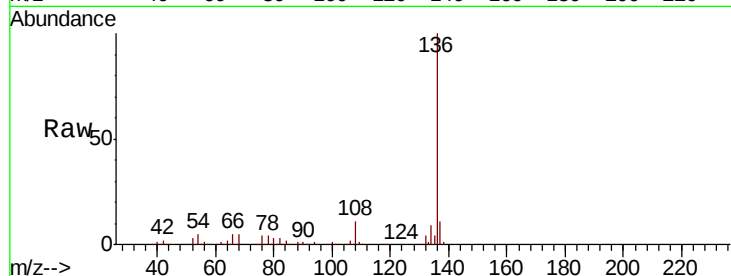




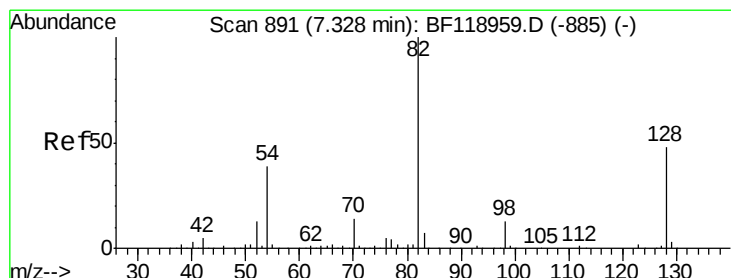
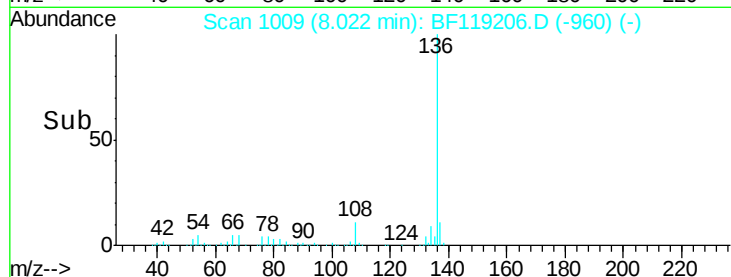
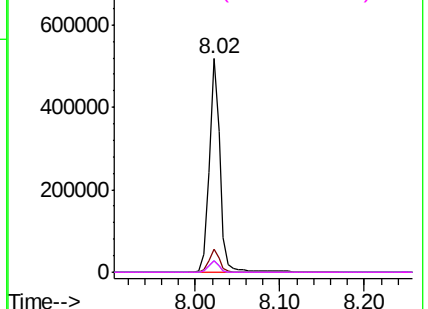
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF119206.D
Acq: 4 Mar 2020 20:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	461487
Ion Ratio	Lower	Upper
136 100		
137 10.9	8.8	13.2
54 5.1	3.8	5.6
68 5.2	3.9	5.9

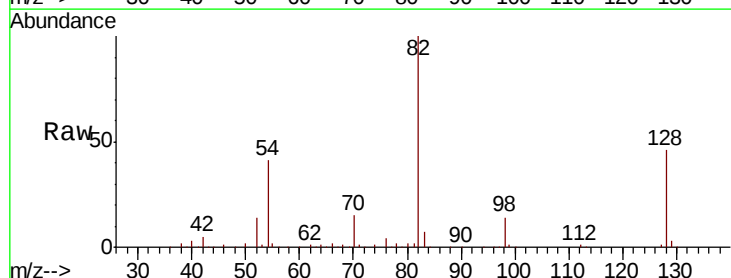


Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

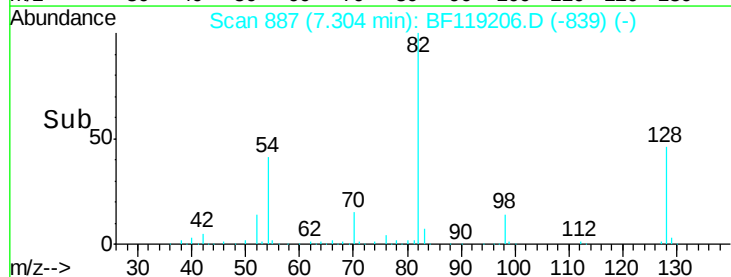
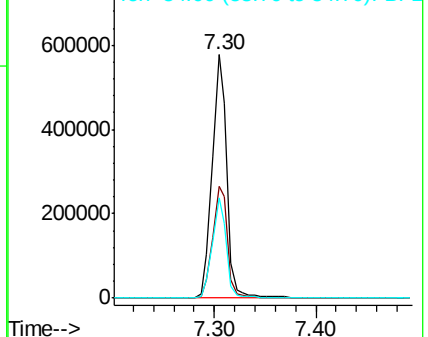


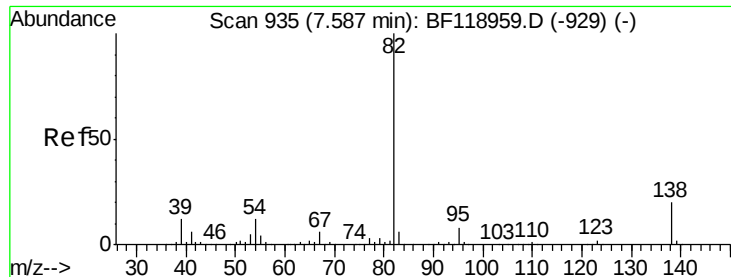
#23
Nitrobenzene-d5
Concen: 66.724 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF119206.D
Acq: 4 Mar 2020 20:52

Tgt Ion: 82	Resp: 583185
Ion Ratio	Lower Upper
82 100	
128 45.8	37.9 56.9
54 41.4	33.4 50.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
800000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

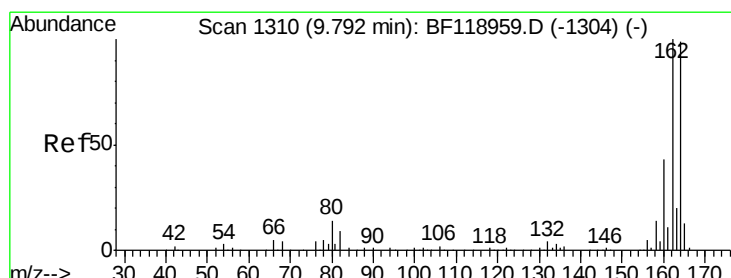
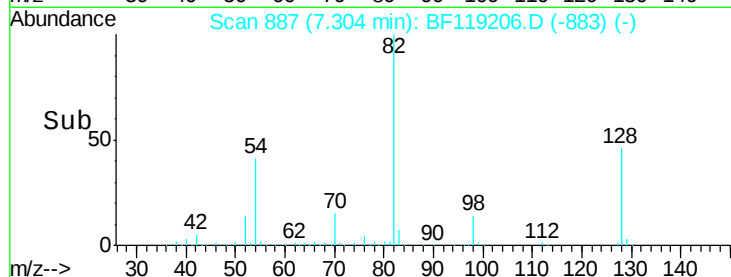
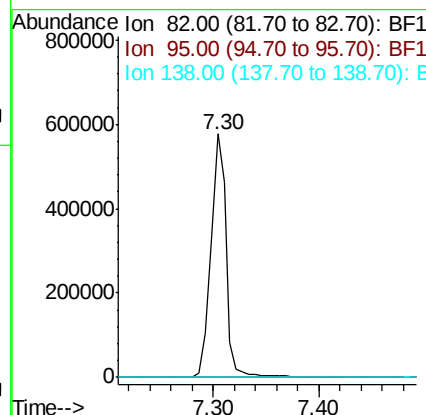
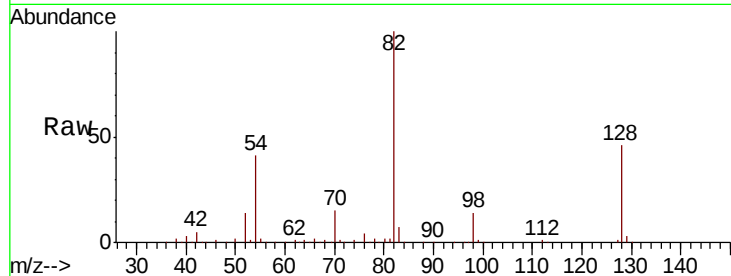




#25
Isophorone
Concen: 38.419 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.28 min
Lab File: BF119206.D
Acq: 4 Mar 2020 20:52

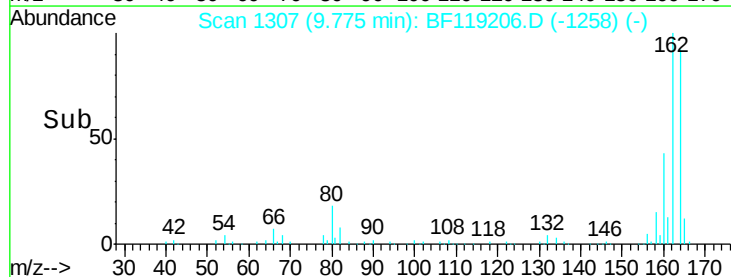
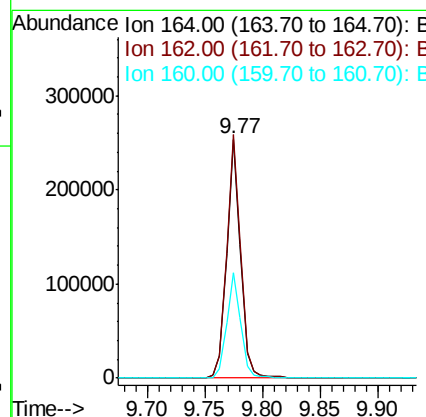
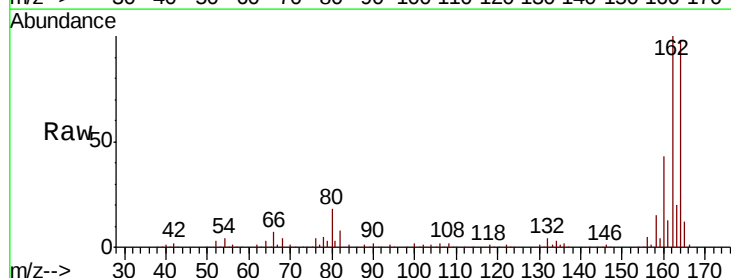
Instrument :
BNA_F
ClientSampleId :

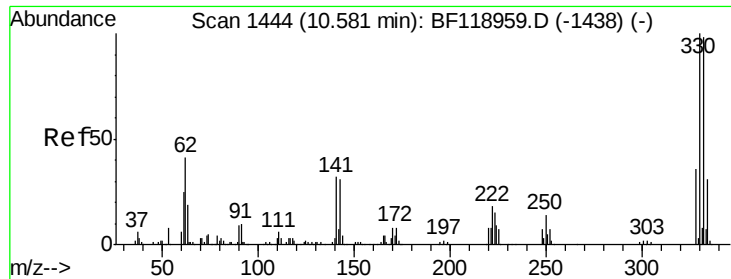
Tot Ion: 82 Resp: 583179
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 15.7 23.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF119206.D
Acq: 4 Mar 2020 20:52

Tgt Ion: 164 Resp: 212074
Ion Ratio Lower Upper
164 100
162 102.0 81.8 122.8
160 44.1 36.0 54.0

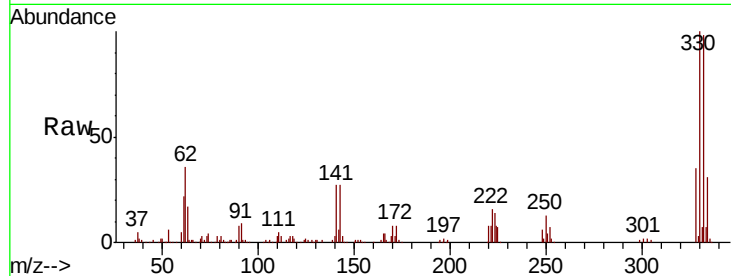




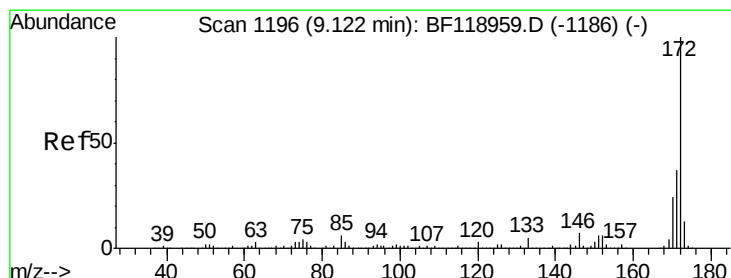
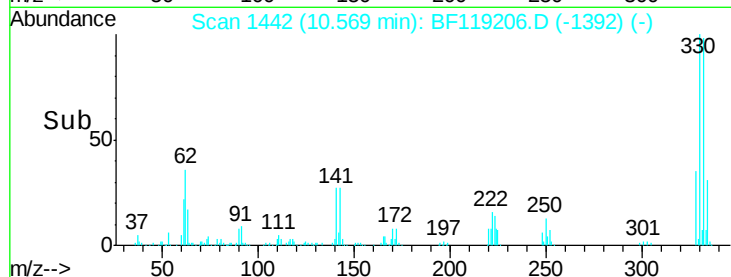
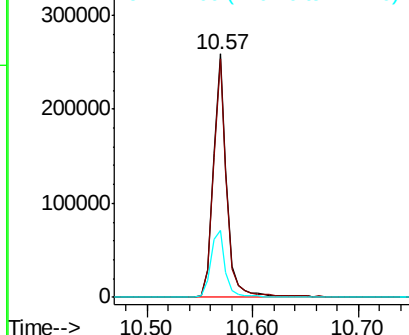
#42
 2,4,6-Tribromophenol
 Concen: 83.720 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF119206.D
 Acq: 4 Mar 2020 20:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.6	76.0	114.0
141	30.2	22.9	34.3

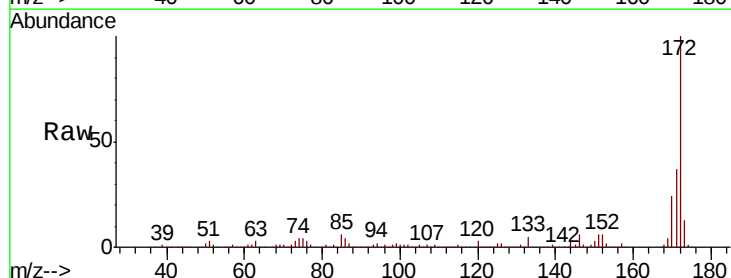


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

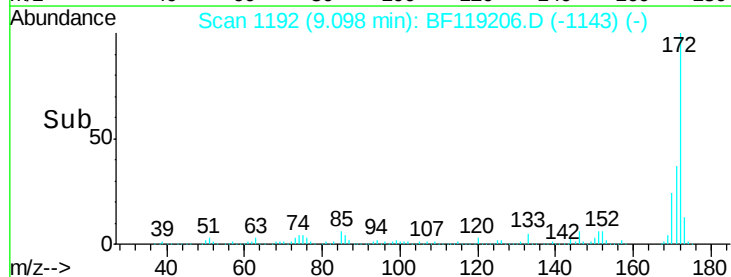
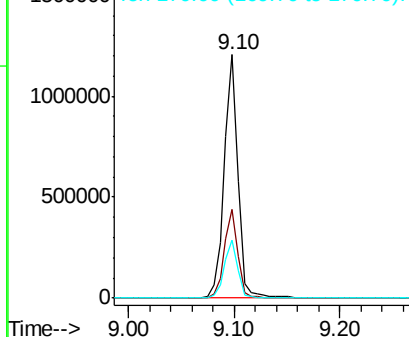


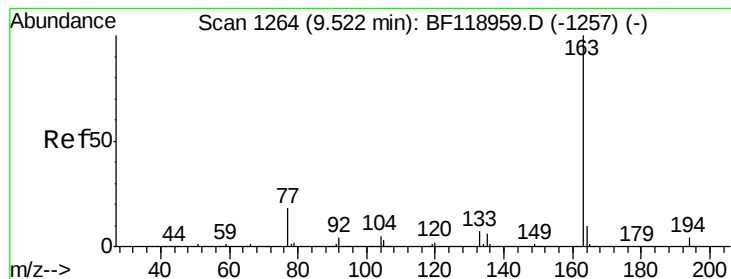
#45
 2-Fluorobiphenyl
 Concen: 76.533 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF119206.D
 Acq: 4 Mar 2020 20:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.6	45.8
170	24.0	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: 11.103 ng

RT: 9.49 min Scan# 1259

Delta R.T. -0.02 min

Lab File: BF119206.D

Acq: 4 Mar 2020 20:52

Instrument :

BNA_F

ClientSampled :

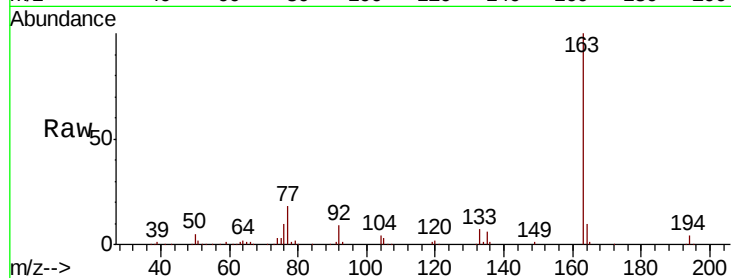
Tot Ion:163 Resp: 180059

Ion Ratio Lower Upper

163 100

194 4.2 3.5 5.3

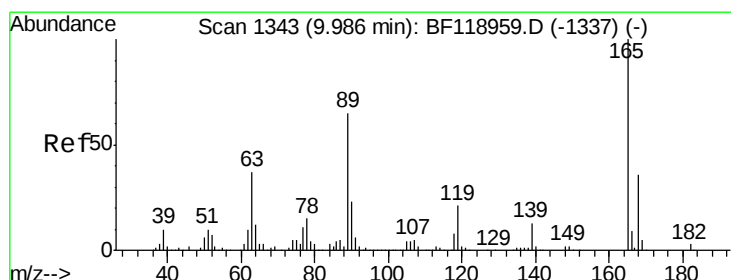
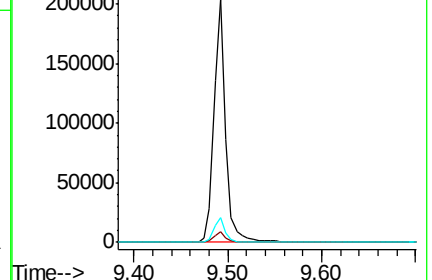
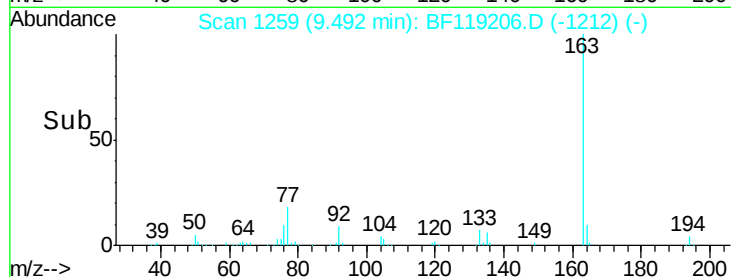
164 9.9 8.4 12.6



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: 5.656 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.21 min

Lab File: BF119206.D

Acq: 4 Mar 2020 20:52

Tgt Ion:165 Resp: 26416

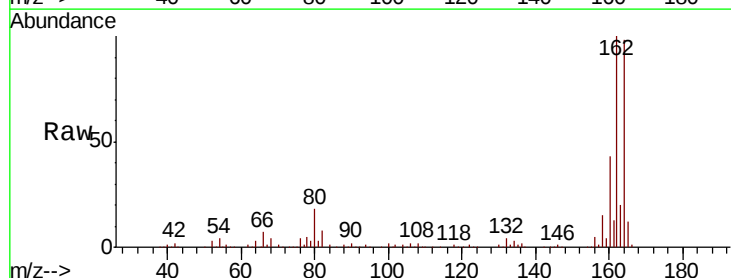
Ion Ratio Lower Upper

165 100

63 1.5 42.3 63.5#

89 1.5 60.2 90.4#

182 0.0 2.3 3.5#

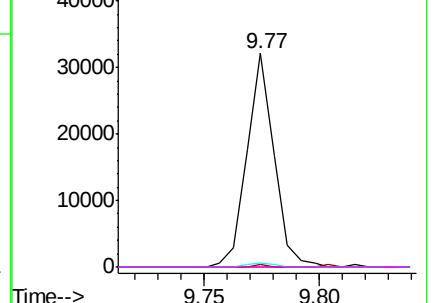
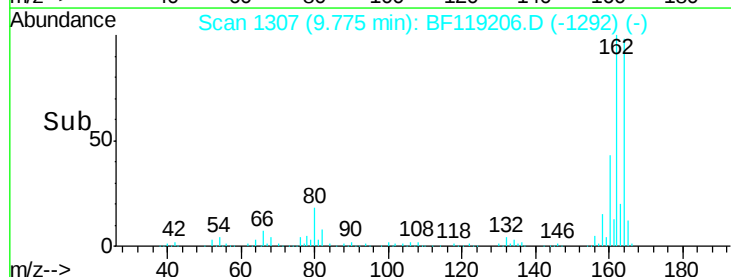


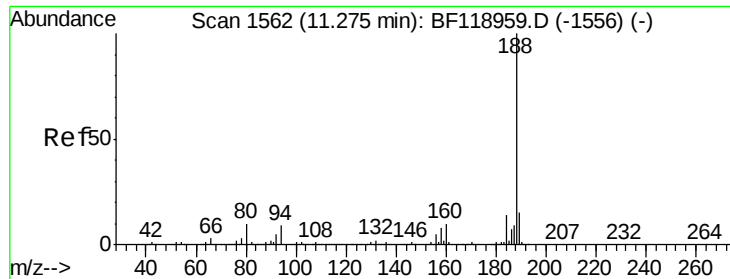
Abundance Ion 165.00 (164.70 to 165.70): E

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

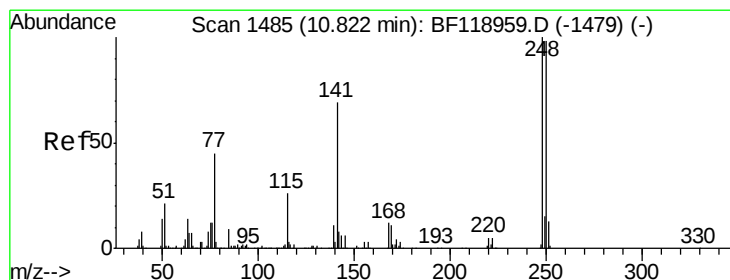
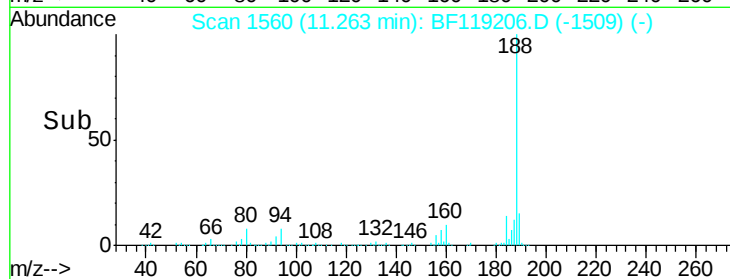
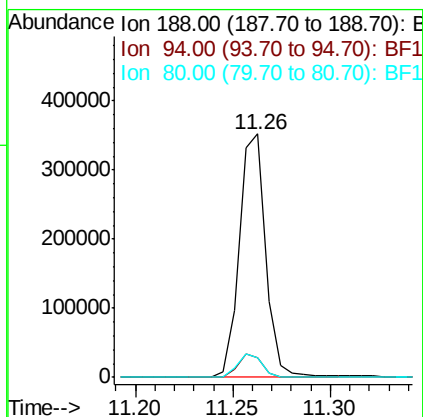
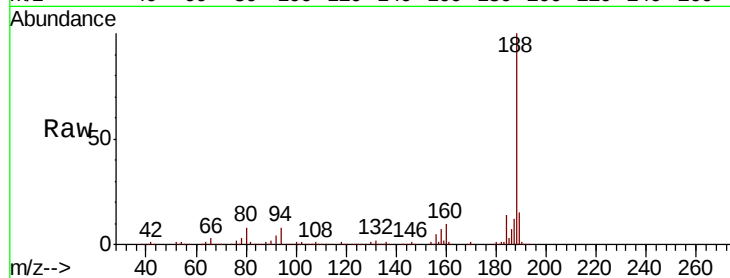




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF119206.D
Acq: 4 Mar 2020 20:52

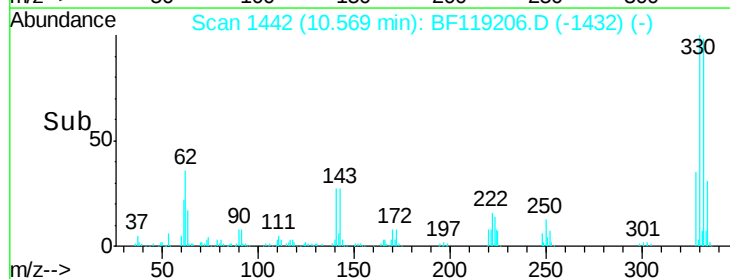
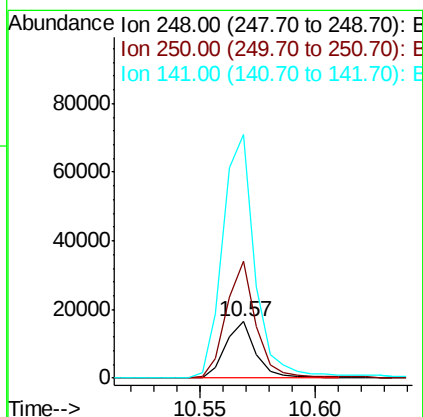
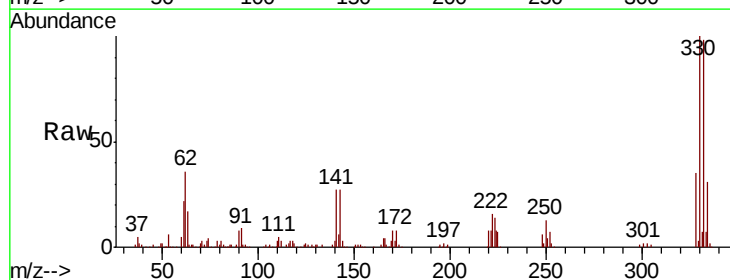
Instrument :
BNA_F
ClientSampleId :

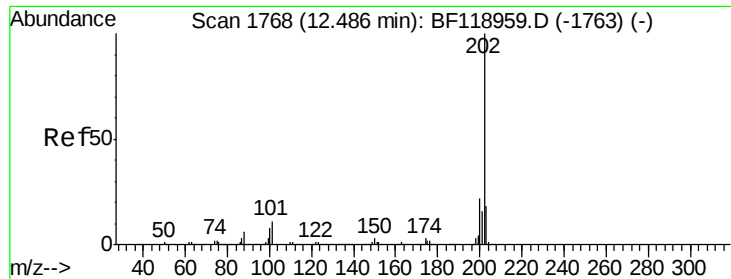
Tot Ion:188 Resp: 329716
Ion Ratio Lower Upper
188 100
94 8.1 7.1 10.7
80 7.9 7.8 11.8



#67
4-Bromophenyl-phenylether
Concen: 3.438 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.24 min
Lab File: BF119206.D
Acq: 4 Mar 2020 20:52

Tgt Ion:248 Resp: 14815
Ion Ratio Lower Upper
248 100
250 208.3 76.7 115.1#
141 432.8 60.7 91.1#





#75

Fluoranthene

Concen: 3.821 ng

RT: 12.47 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF119206.D

Acq: 4 Mar 2020 20:52

Instrument :

BNA_F

ClientSampled :

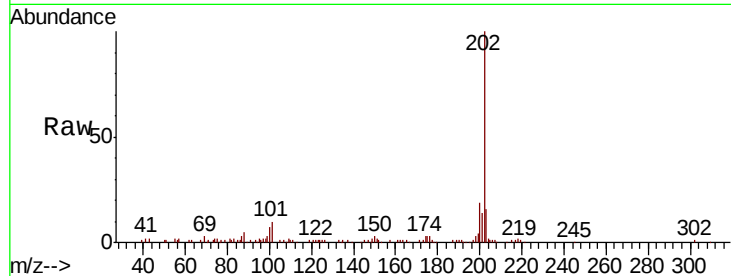
Tot Ion:202 Resp: 72937

Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.3

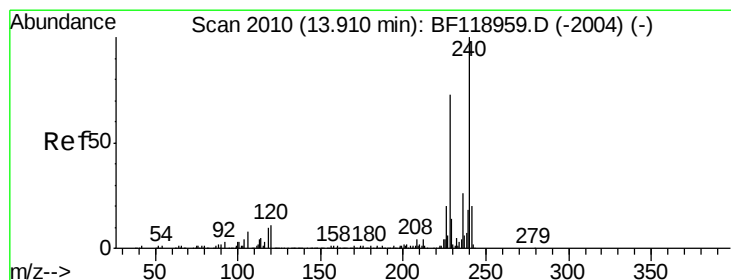
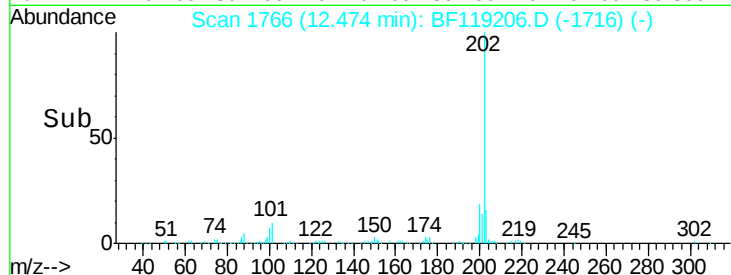
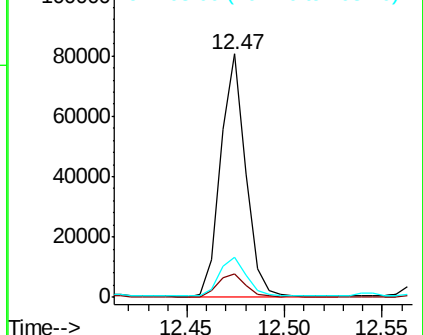
203 16.2 0.0 38.4



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: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF119206.D

Acq: 4 Mar 2020 20:52

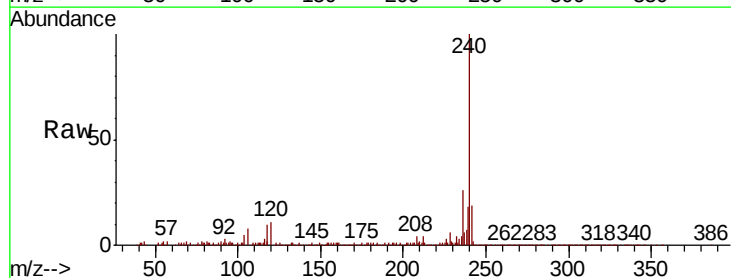
Tgt Ion:240 Resp: 261098

Ion Ratio Lower Upper

240 100

120 10.6 8.4 12.6

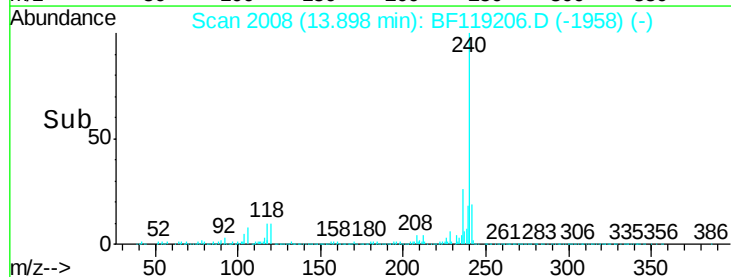
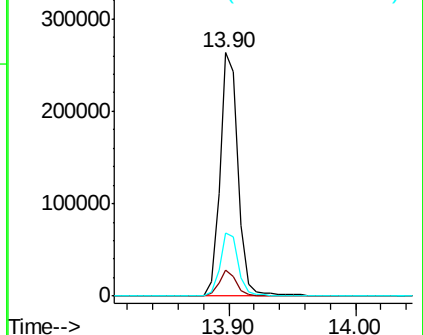
236 25.9 21.0 31.4

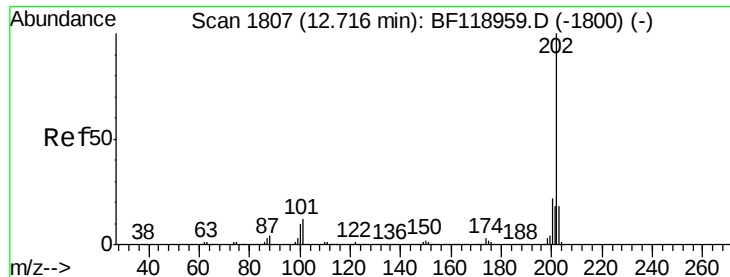


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.621 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF119206.D

Acq: 4 Mar 2020 20:52

Instrument :

BNA_F

ClientSampled :

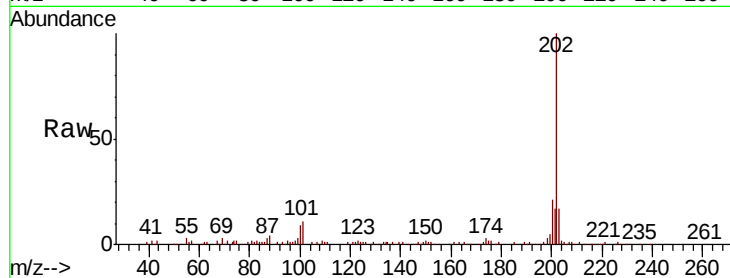
Tot Ion:202 Resp: 75910

Ion Ratio Lower Upper

202 100

200 21.2 18.0 27.0

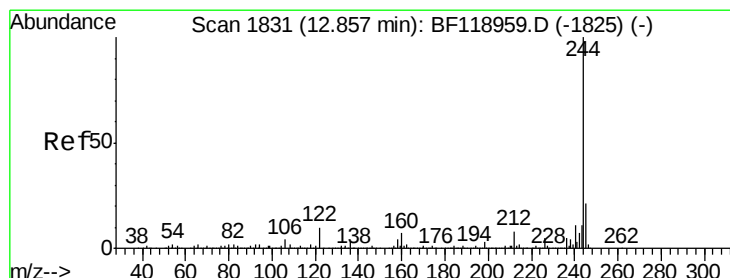
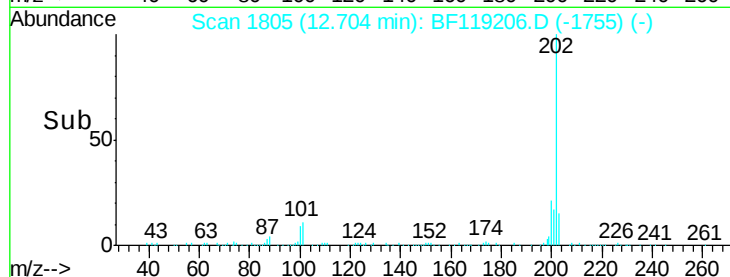
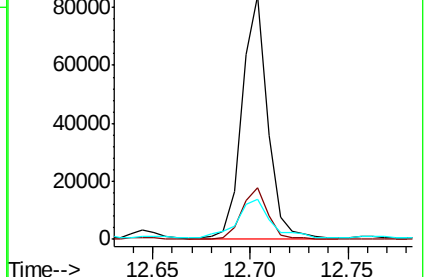
203 16.6 14.6 22.0



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: 69.367 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF119206.D

Acq: 4 Mar 2020 20:52

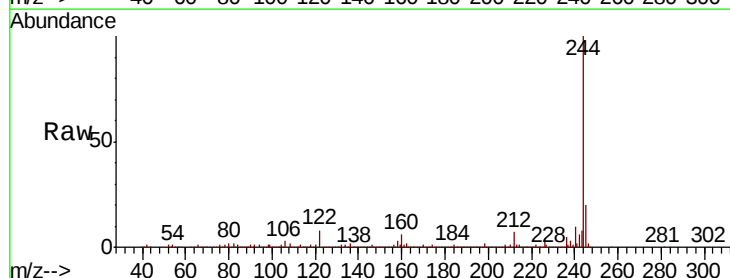
Tgt Ion:244 Resp: 1051968

Ion Ratio Lower Upper

244 100

212 6.9 6.6 10.0

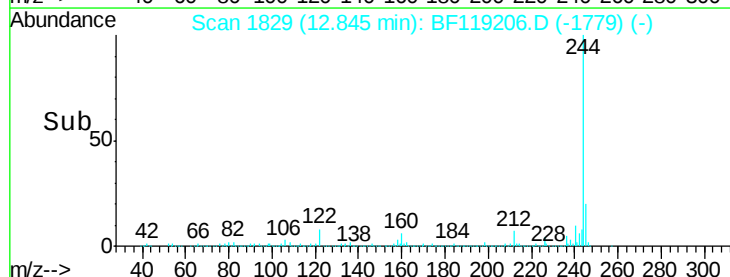
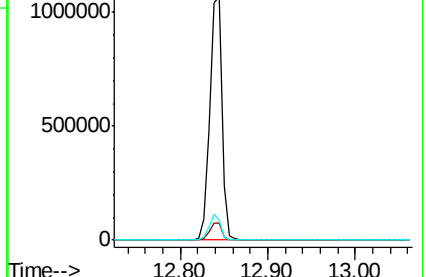
122 8.1 8.2 12.2#

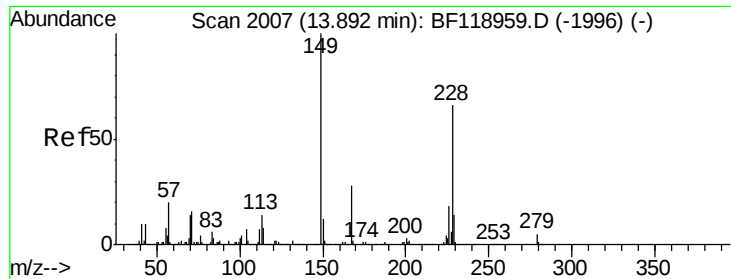


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 8.143 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF119206.D

Acq: 4 Mar 2020 20:52

Instrument :

BNA_F

ClientSampled :

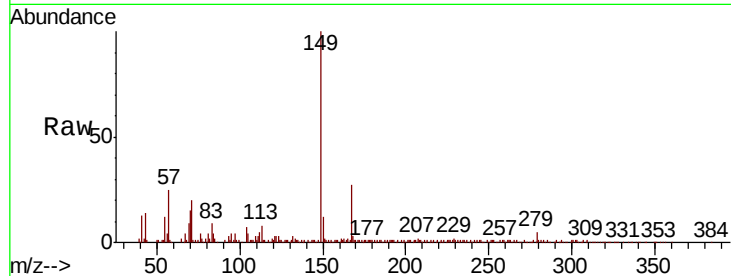
Tot Ion:149 Resp: 90774

Ion Ratio Lower Upper

149 100

167 27.1 22.8 34.2

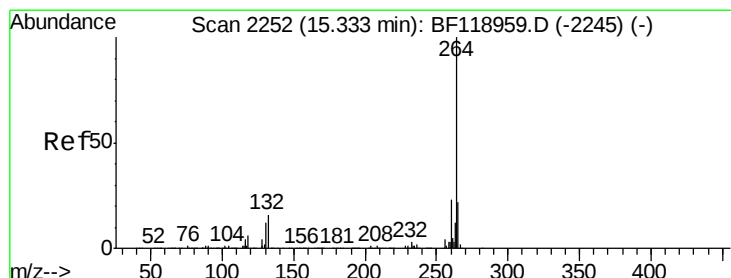
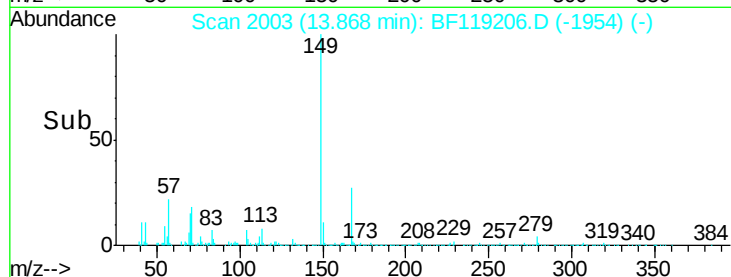
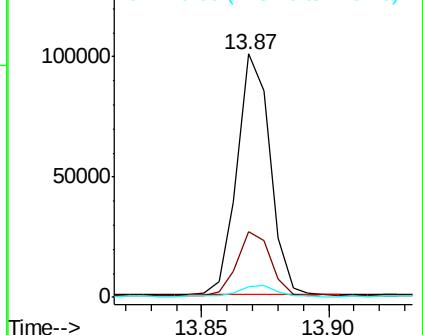
279 4.6 4.6 6.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.33 min Scan# 2252

Delta R.T. 0.01 min

Lab File: BF119206.D

Acq: 4 Mar 2020 20:52

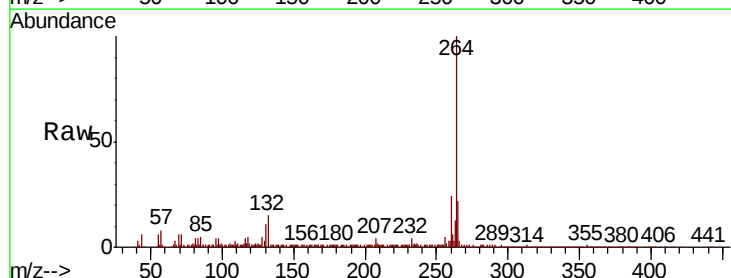
Tgt Ion:264 Resp: 216646

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

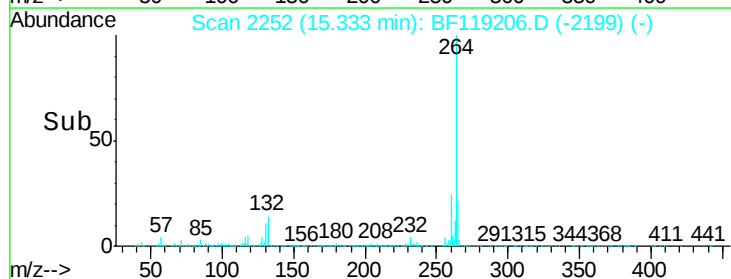
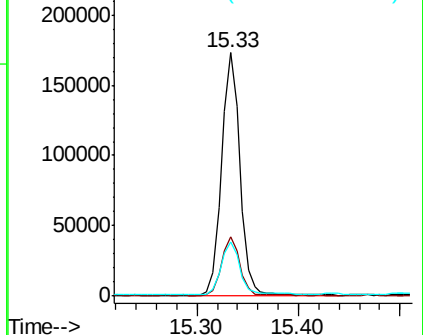
265 22.3 17.7 26.5

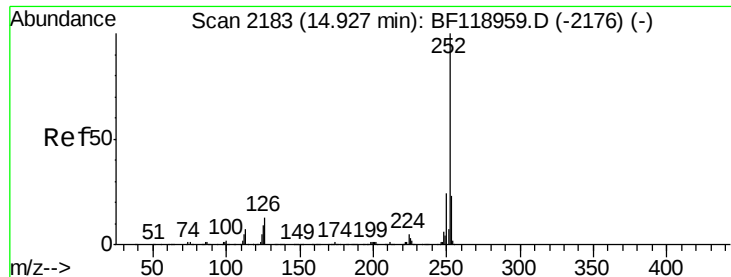


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

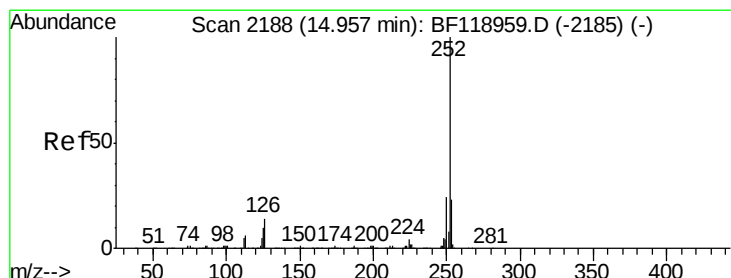
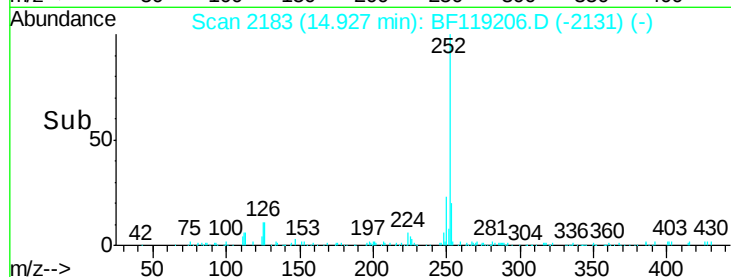
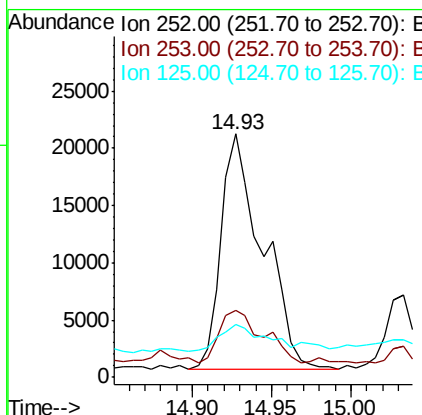
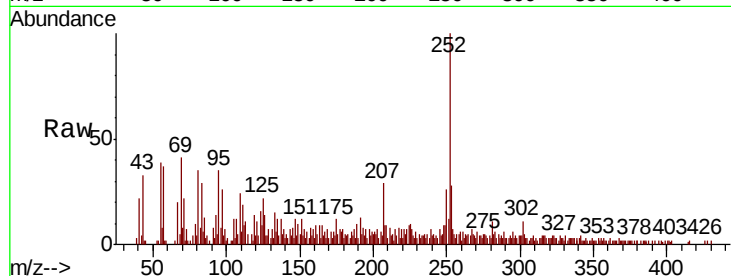




#88
Benzo(b)fluoranthene
Concen: 2.619 ng
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF119206.D
Acq: 4 Mar 2020 20:52

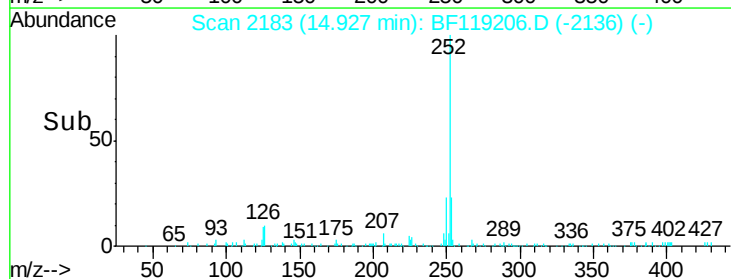
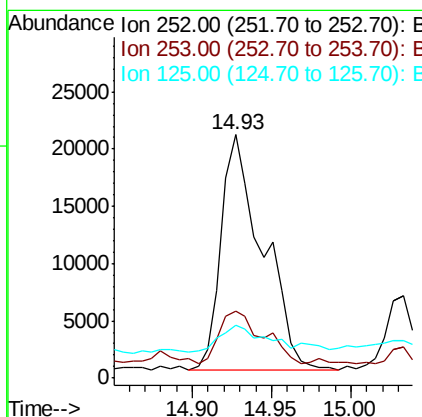
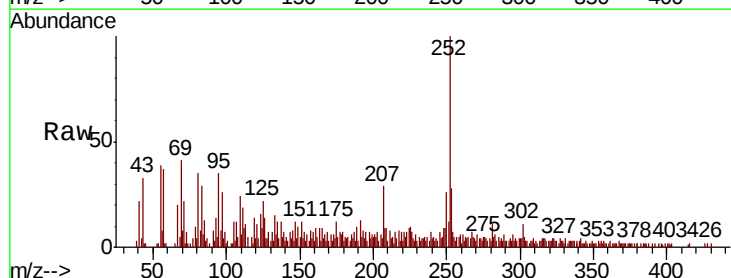
Instrument :
BNA_F
ClientSampleId :

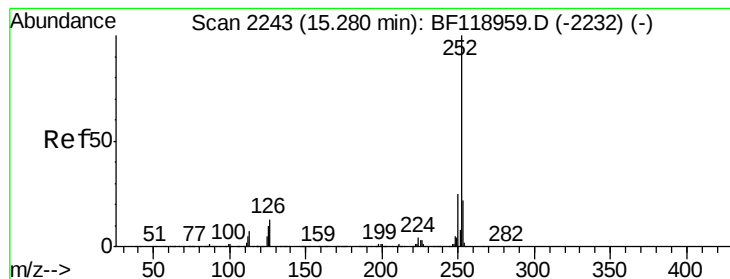
Tot Ion:252 Resp: 37397
Ion Ratio Lower Upper
252 100
253 27.7 18.1 27.1#
125 21.9 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 2.826 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BF119206.D
Acq: 4 Mar 2020 20:52

Tgt Ion:252 Resp: 37397
Ion Ratio Lower Upper
252 100
253 27.7 17.8 26.8#
125 21.9 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 2.041 ng

RT: 15.27 min Scan# 2242

Delta R.T. 0.01 min

Lab File: BF119206.D

Acq: 4 Mar 2020 20:52

Instrument :

BNA_F

ClientSampleId :

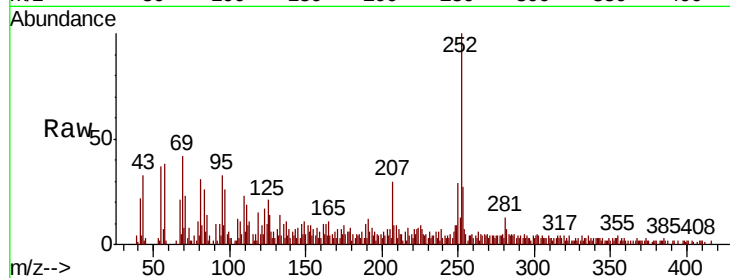
Tot Ion:252 Resp: 26308

Ion Ratio Lower Upper

252 100

253 26.9 18.0 27.0

125 20.5 8.6 12.8#



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

