

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030420\
 Data File : BF119191.D
 Acq On : 4 Mar 2020 13:27
 Operator : CG/JU
 Sample : L1762-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 04 14:43:31 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	145771	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	552705	20.00	ng	-0.01
39) Acenaphthene-d10	9.77	164	289237	20.00	ng	-0.01
64) Phenanthrene-d10	11.26	188	477064	20.00	ng	0.00
76) Chrysene-d12	13.89	240	268011	20.00	ng	-0.01
87) Perylene-d12	15.32	264	309074	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	834615	95.68	ng	0.00
7) Phenol-d6	6.39	99	1020310	96.18	ng	-0.01
23) Nitrobenzene-d5	7.30	82	678676	64.83	ng	-0.02
42) 2,4,6-Tribromophenol	10.56	330	327547	86.57	ng	-0.01
45) 2-Fluorobiphenyl	9.10	172	1351450	68.83	ng	-0.01
79) Terphenyl-d14	12.84	244	1269680	81.56	ng	-0.01

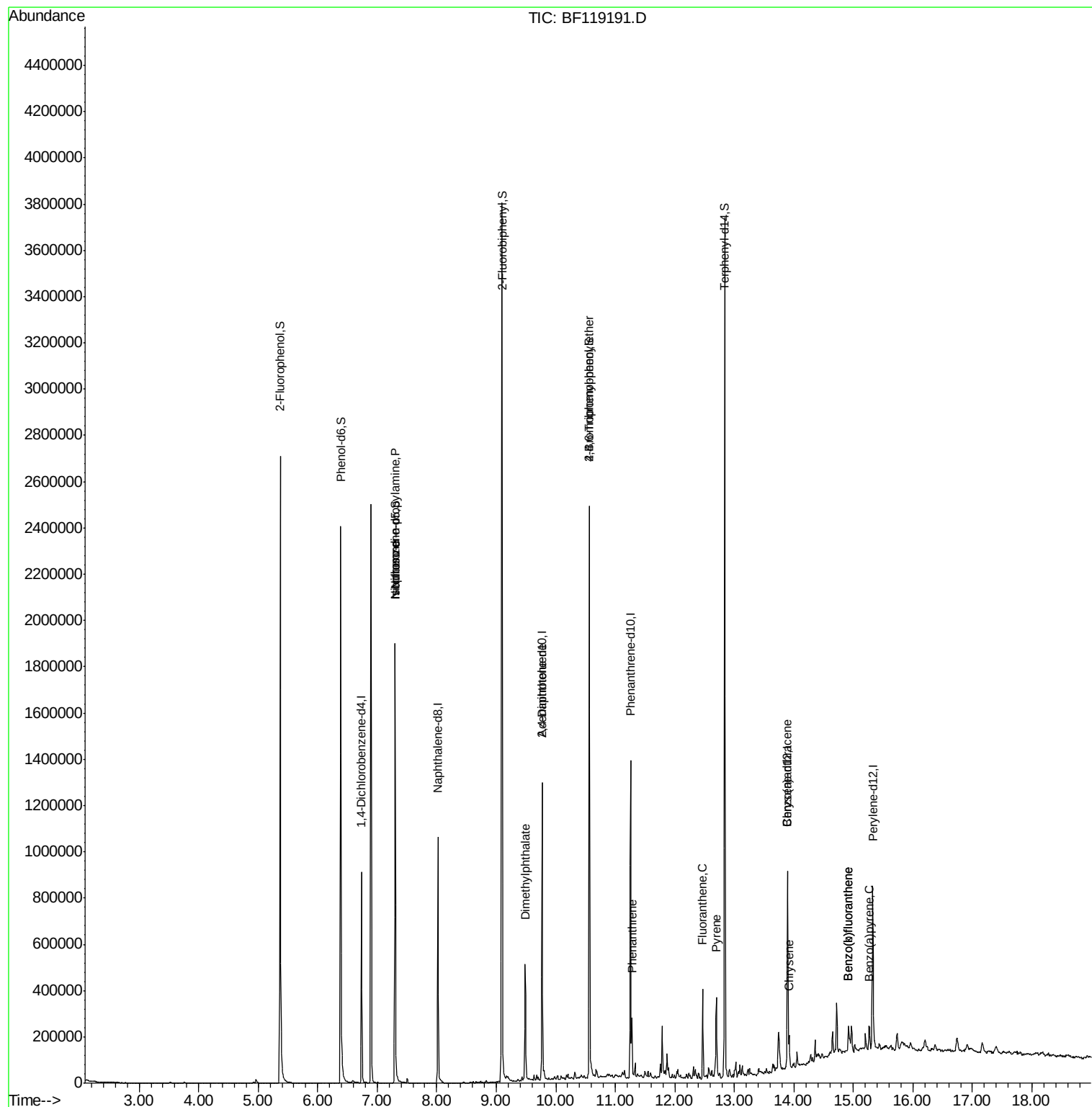
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	94121	15.226	ng	# 74
25) Isophorone	7.30	82	665556	36.610	ng	# 63
50) Dimethylphthalate	9.49	163	215908	9.762	ng	99
57) 2,4-Dinitrotoluene	9.77	165	37625	5.907	ng	# 21
67) 4-Bromophenyl-phenylether	10.56	248	20745	3.327	ng	# 1
71) Phenanthrene	11.28	178	91083	3.501	ng	96
75) Fluoranthene	12.47	202	145660	5.274	ng	98
78) Pyrene	12.70	202	139383	6.477	ng	97
81) Benzo(a)anthracene	13.89	228	54333	2.975	ng	97
83) Chrysene	13.92	228	54508	2.996	ng	97
88) Benzo(b)fluoranthene	14.92	252	83329	4.090	ng	97
89) Benzo(k)fluoranthene	14.92	252	83329	4.414	ng	97
90) Benzo(a)pyrene	15.27	252	49289	2.681	ng	98

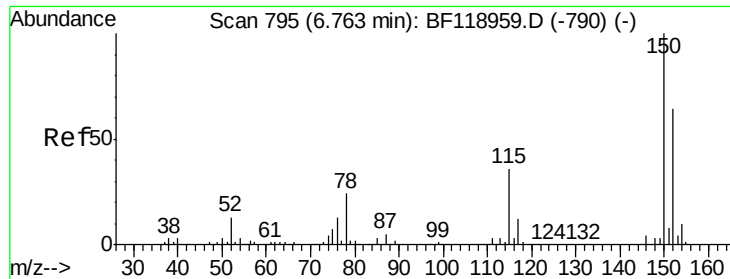
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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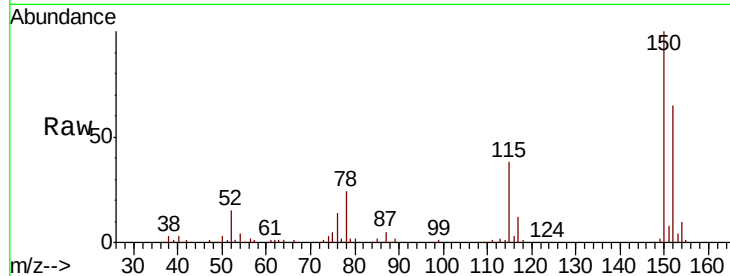


#1

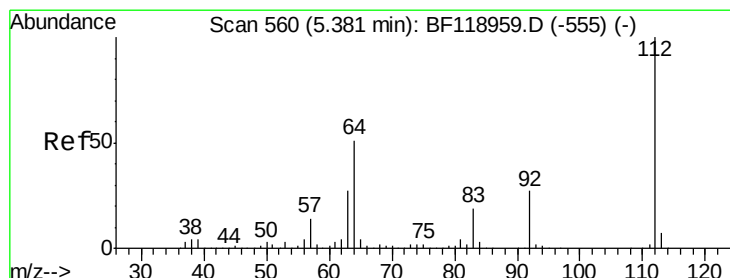
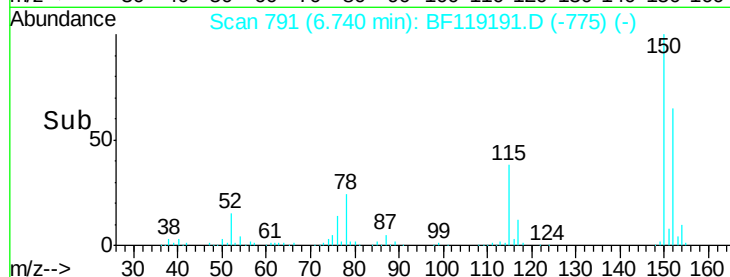
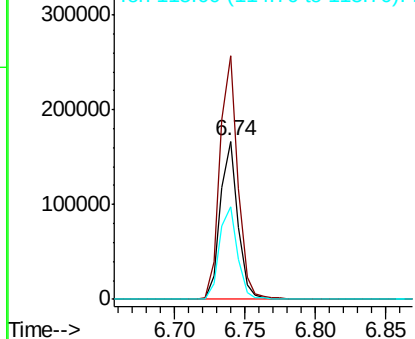
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF119191.D
Acq: 4 Mar 2020 13:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 145771
Ion Ratio Lower Upper
152 100
150 153.9 123.0 184.6
115 58.7 49.5 74.3



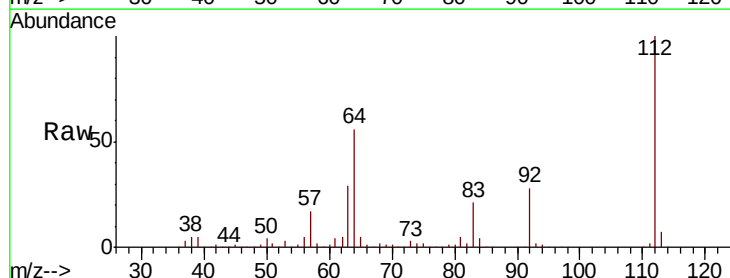
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



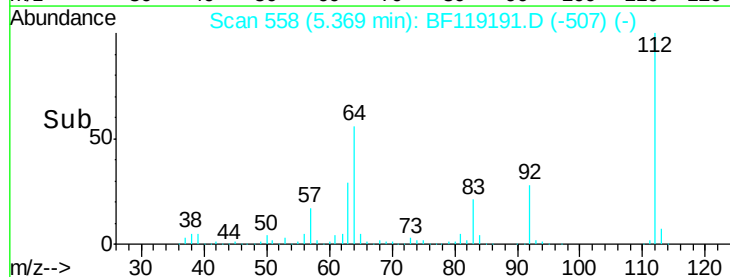
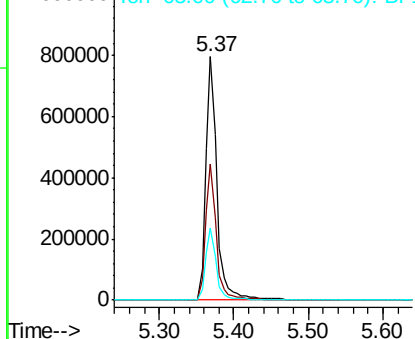
#5

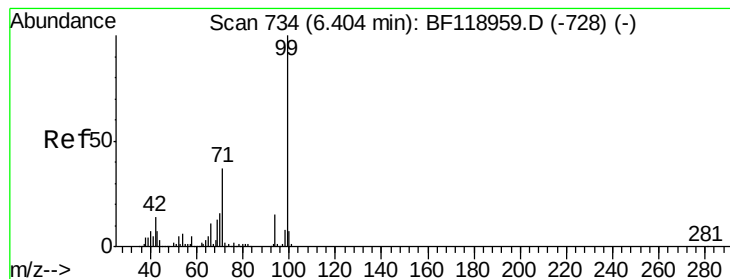
2-Fluorophenol
Concen: 95.684 ng
RT: 5.37 min Scan# 558
Delta R.T. -0.00 min
Lab File: BF119191.D
Acq: 4 Mar 2020 13:27

Tgt Ion:112 Resp: 834615
Ion Ratio Lower Upper
112 100
64 55.8 45.0 67.4
63 29.4 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: 96.180 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF119191.D

Acq: 4 Mar 2020 13:27

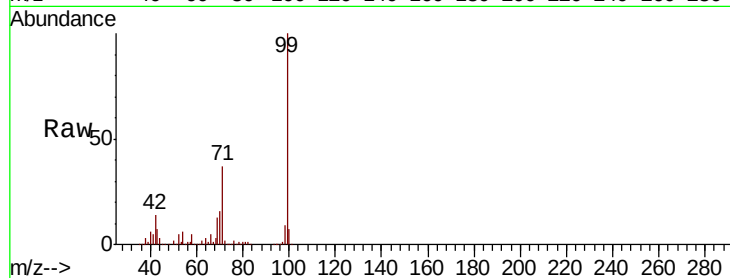
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1020310

Ion	Ratio	Lower	Upper
99	100		
42	14.3	12.6	18.8
71	37.4	31.0	46.4

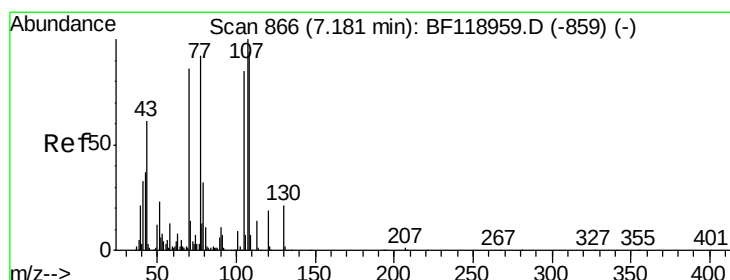
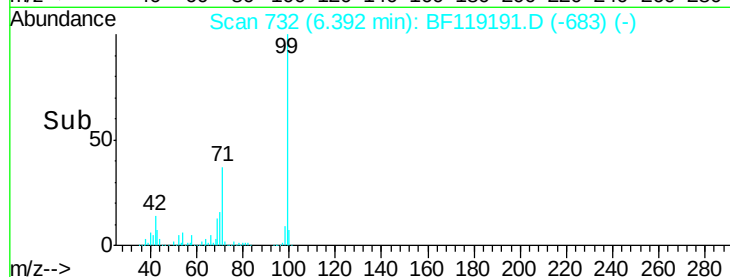
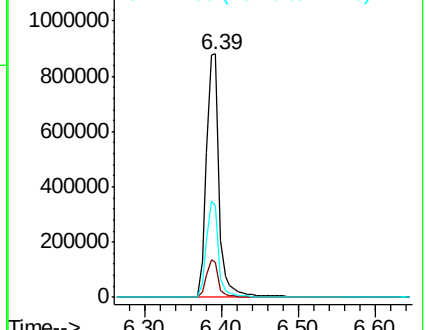


Abundance

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: 15.226 ng

RT: 7.30 min Scan# 887

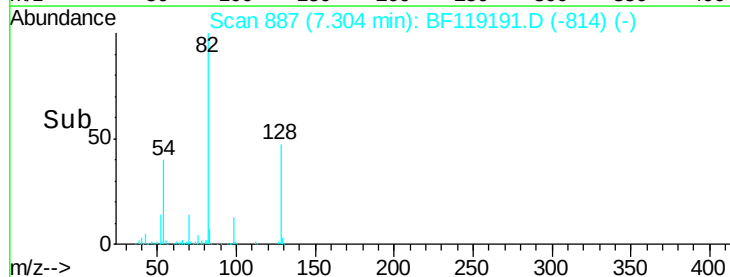
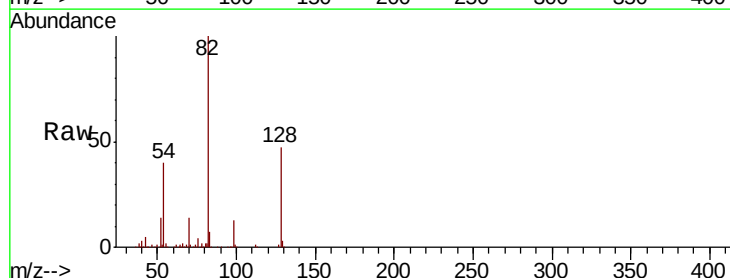
Delta R.T. 0.13 min

Lab File: BF119191.D

Acq: 4 Mar 2020 13:27

Tgt Ion: 70 Resp: 94121

Ion	Ratio	Lower	Upper
70	100		
42	35.7	38.0	57.0#
101	0.0	8.2	12.4#
130	1.8	18.2	27.4#



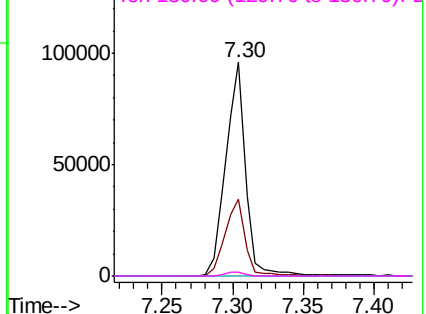
Abundance

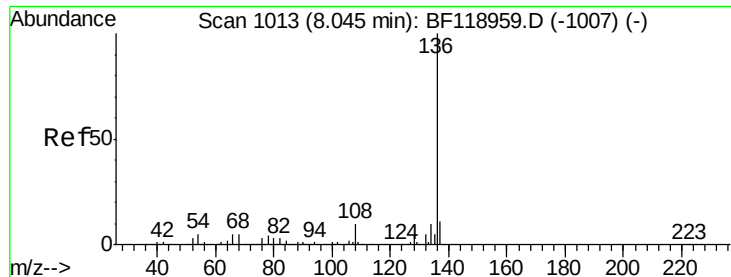
Ion 70.00 (69.70 to 70.70): BF1

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

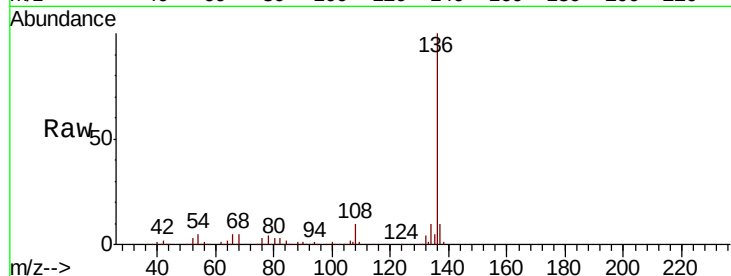




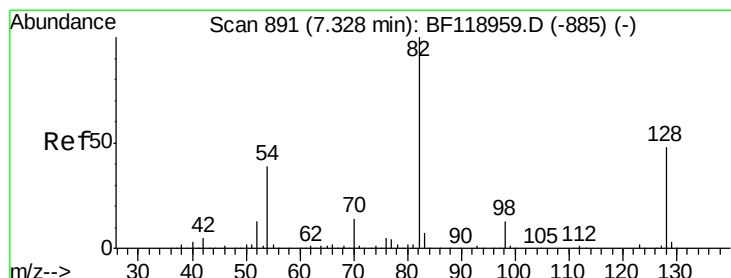
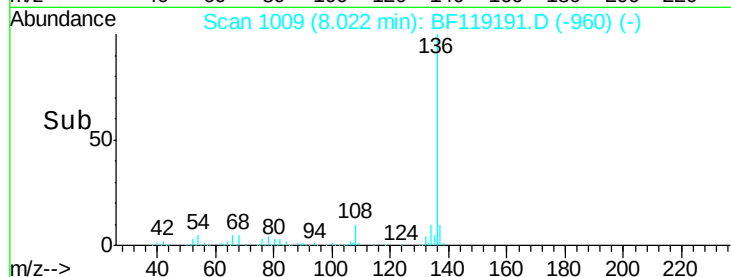
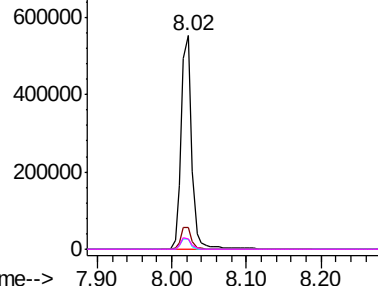
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF119191.D
Acq: 4 Mar 2020 13:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	552705
Ion	Ratio	Lower Upper
136	100	
137	10.4	8.8 13.2
54	4.7	3.8 5.6
68	4.9	3.9 5.9

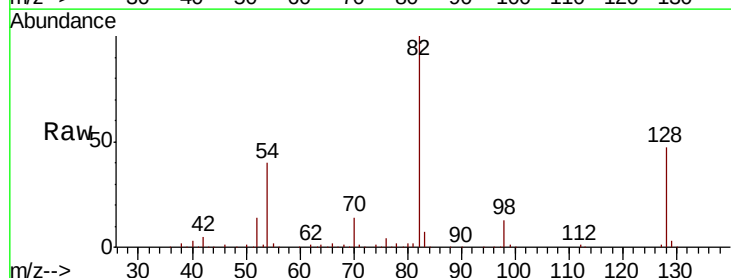


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

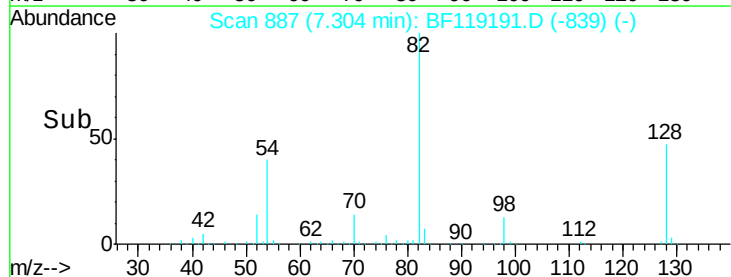
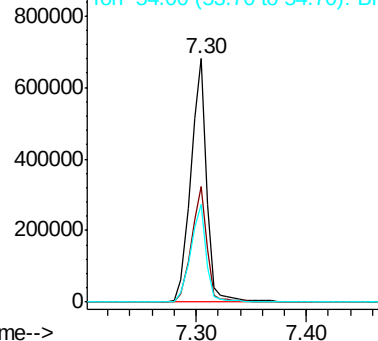


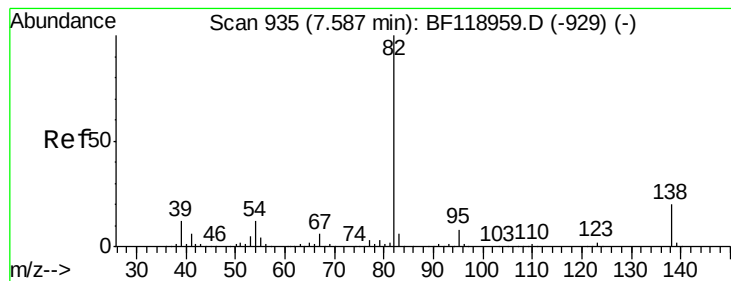
#23
Nitrobenzene-d5
Concen: 64.834 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF119191.D
Acq: 4 Mar 2020 13:27

Tgt Ion: 82	Resp:	678676
Ion	Ratio	Lower Upper
82	100	
128	47.3	37.9 56.9
54	40.0	33.4 50.2



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: 36.610 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.28 min

Lab File: BF119191.D

Acq: 4 Mar 2020 13:27

Instrument :

BNA_F

ClientSampleId :

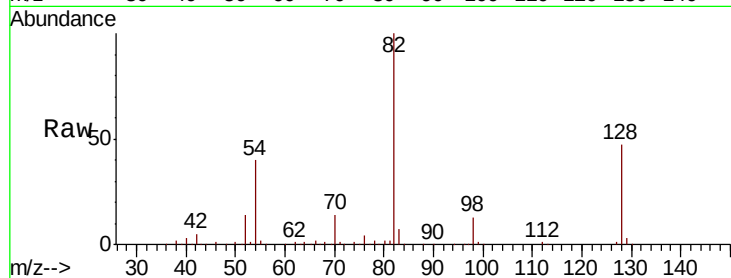
Tot Ion: 82 Resp: 665556

Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

138 0.0 15.7 23.5#

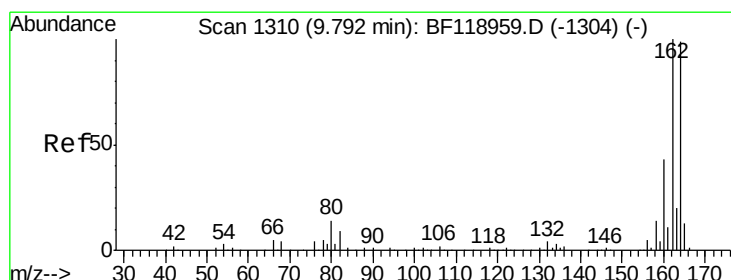
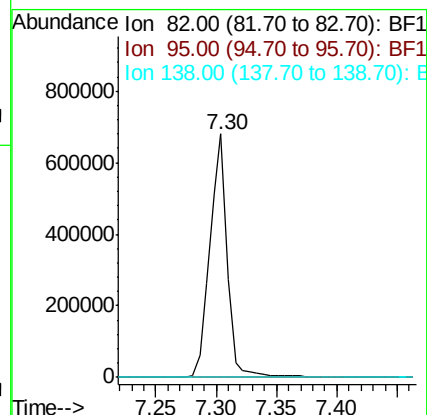
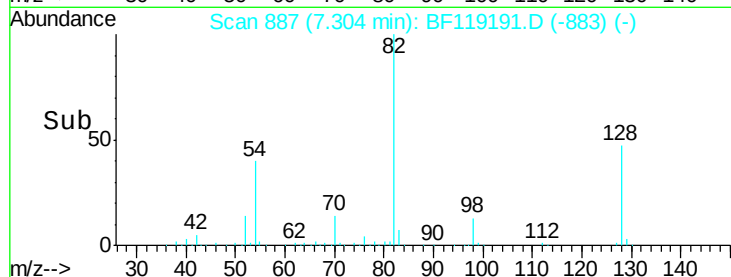


Abundance Ion 82.00 (81.70 to 82.70): BF118959.D (-929) (-)

Ion 95.00 (94.70 to 95.70): BF118959.D (-929) (-)

Ion 138.00 (137.70 to 138.70): BF118959.D (-929) (-)

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF119191.D

Acq: 4 Mar 2020 13:27

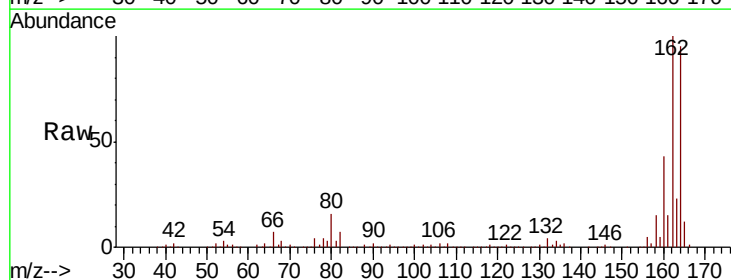
Tgt Ion: 164 Resp: 289237

Ion Ratio Lower Upper

164 100

162 105.0 81.8 122.8

160 44.9 36.0 54.0

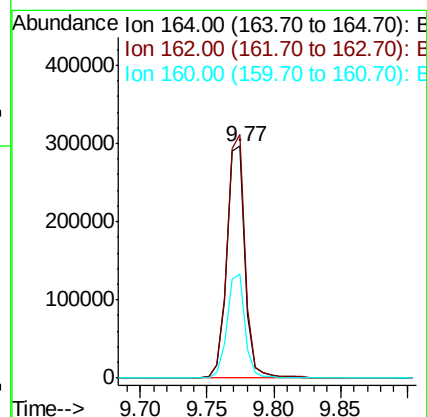
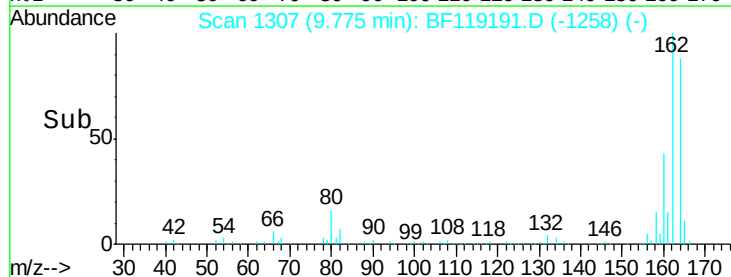


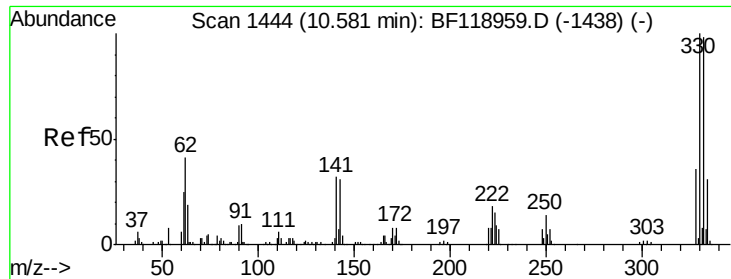
Abundance Ion 164.00 (163.70 to 164.70): BF118959.D (-1304) (-)

Ion 162.00 (161.70 to 162.70): BF118959.D (-1304) (-)

Ion 160.00 (159.70 to 160.70): BF118959.D (-1304) (-)

Time-->





#42

2,4,6-Tribromophenol

Concen: 86.568 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BF119191.D

Acq: 4 Mar 2020 13:27

Instrument :

BNA_F

ClientSampleId :

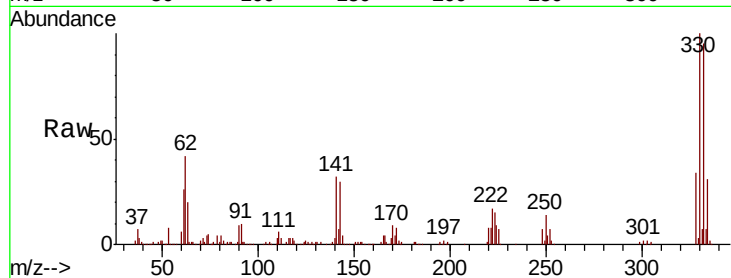
Tot Ion:330 Resp: 327547

Ion Ratio Lower Upper

330 100

332 95.3 76.0 114.0

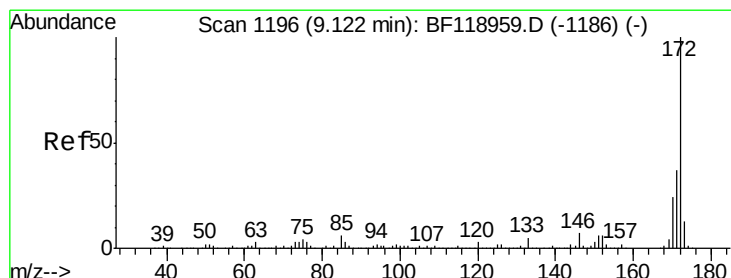
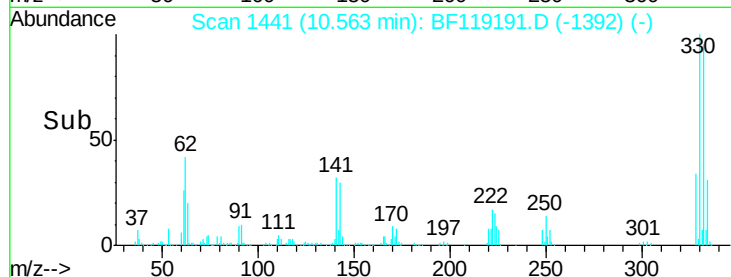
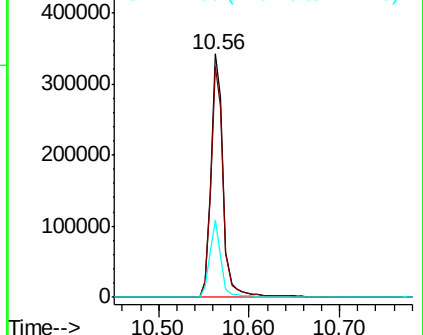
141 30.5 22.9 34.3



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: 68.833 ng

RT: 9.10 min Scan# 1192

Delta R.T. -0.01 min

Lab File: BF119191.D

Acq: 4 Mar 2020 13:27

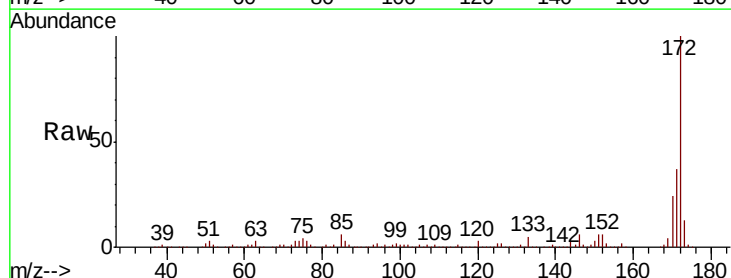
Tgt Ion:172 Resp: 1351450

Ion Ratio Lower Upper

172 100

171 36.5 30.6 45.8

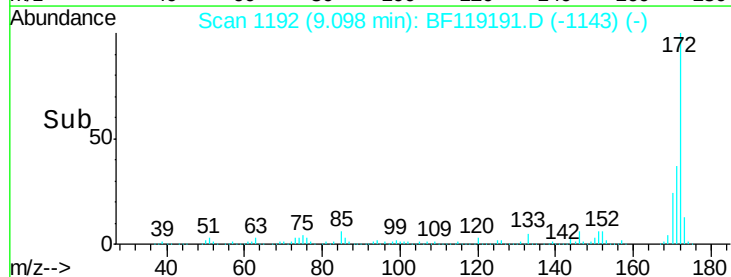
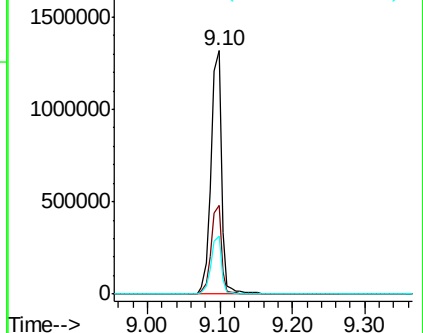
170 23.9 20.2 30.2

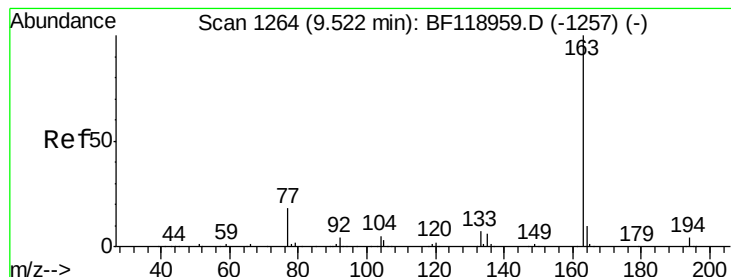


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 9.762 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.03 min

Lab File: BF119191.D

Acq: 4 Mar 2020 13:27

Instrument :

BNA_F

ClientSampleId :

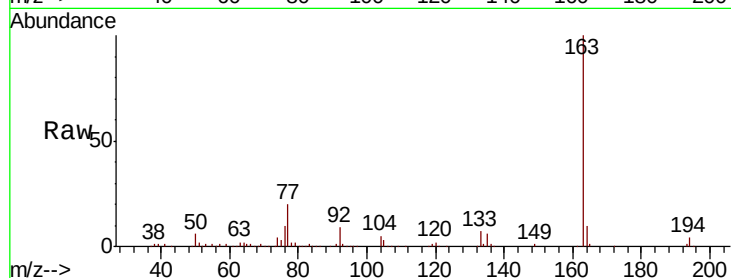
Tot Ion:163 Resp: 215908

Ion Ratio Lower Upper

163 100

194 4.2 3.5 5.3

164 10.3 8.4 12.6



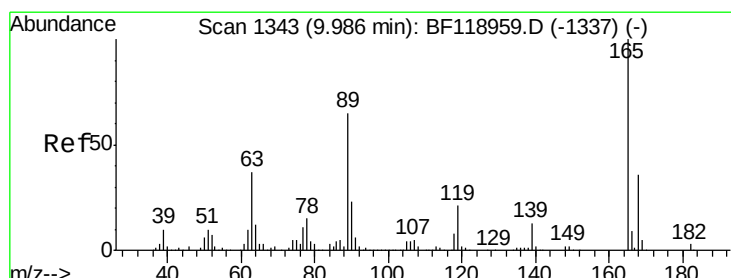
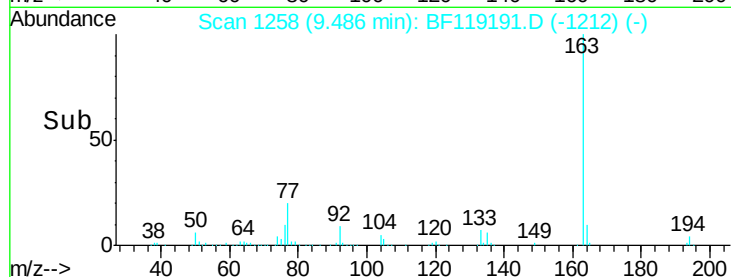
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

9.49

Time-->



#57

2,4-Dinitrotoluene

Concen: 5.907 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.22 min

Lab File: BF119191.D

Acq: 4 Mar 2020 13:27

Tgt Ion:165 Resp: 37625

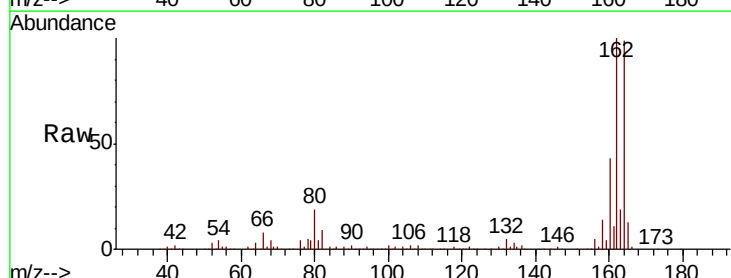
Ion Ratio Lower Upper

165 100

63 1.4 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

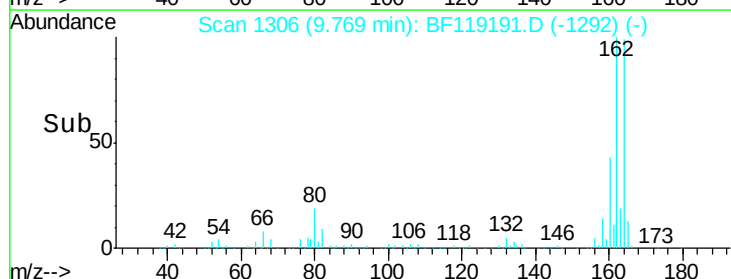
Ion 63.00 (62.70 to 63.70): BF1

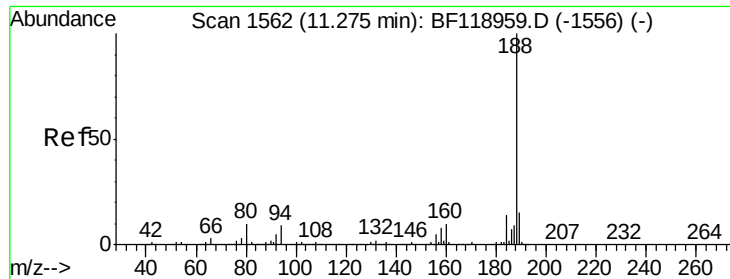
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

9.77

Time-->

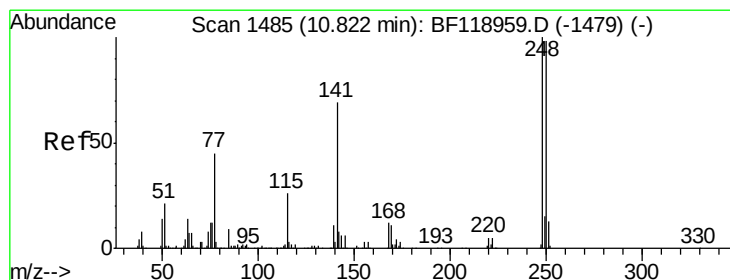
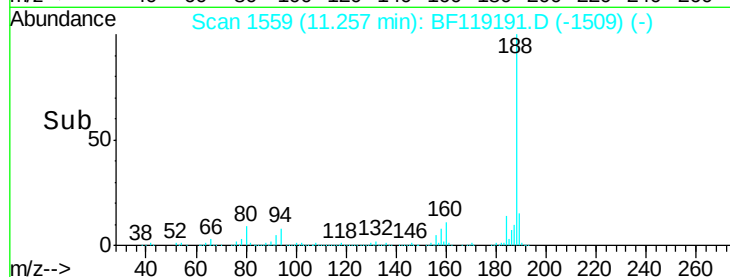
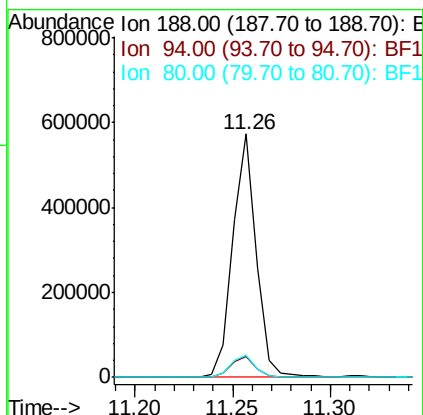
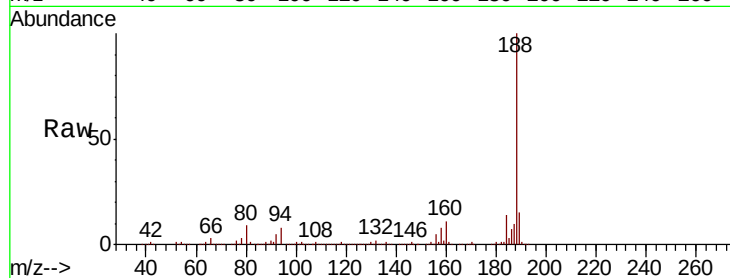




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF119191.D
 Acq: 4 Mar 2020 13:27

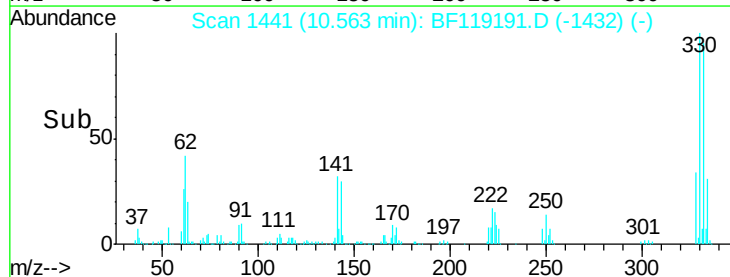
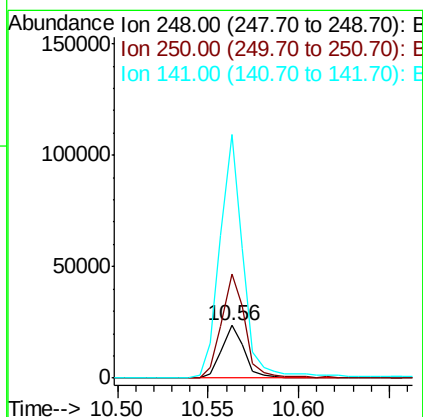
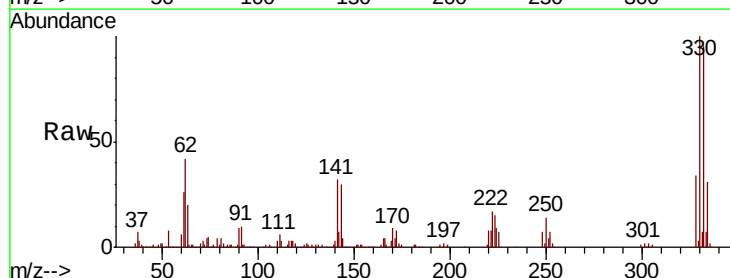
Instrument :
 BNA_F
 ClientSampleId :

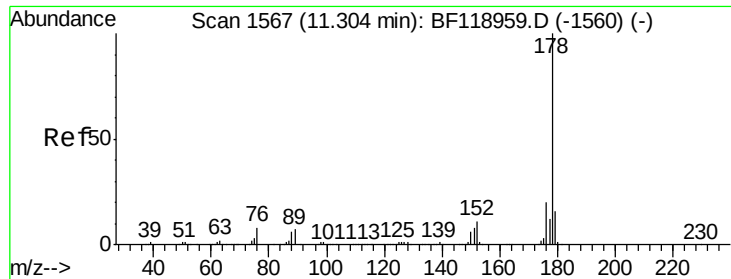
Tot Ion:188 Resp: 477064
 Ion Ratio Lower Upper
 188 100
 94 8.4 7.1 10.7
 80 8.9 7.8 11.8



#67
 4-Bromophenyl-phenylether
 Concen: 3.327 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.25 min
 Lab File: BF119191.D
 Acq: 4 Mar 2020 13:27

Tgt Ion:248 Resp: 20745
 Ion Ratio Lower Upper
 248 100
 250 198.2 76.7 115.1#
 141 463.7 60.7 91.1#

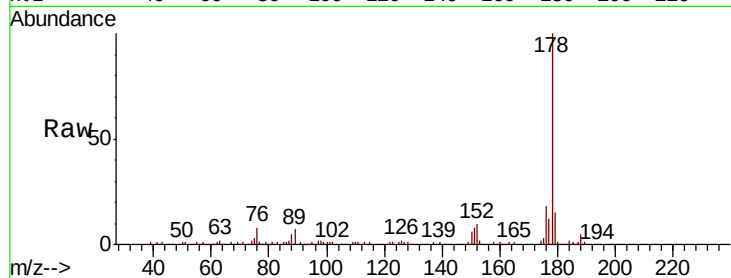




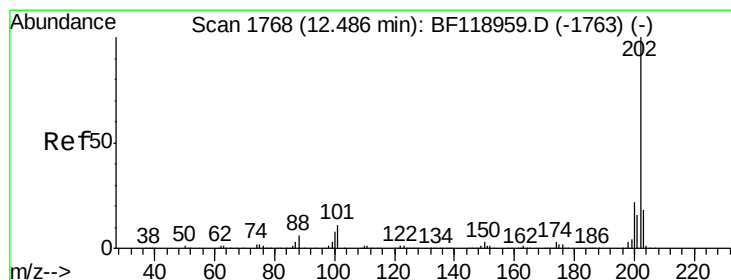
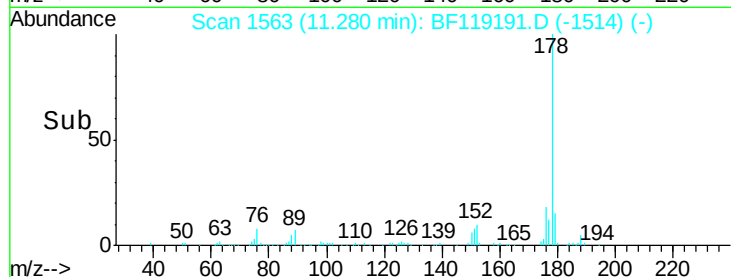
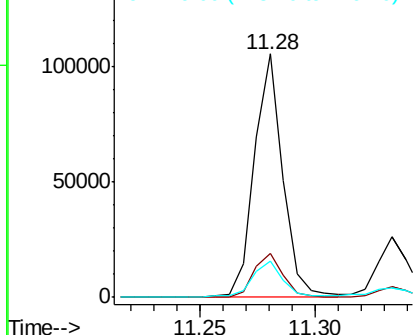
#71
Phenanthrene
Concen: 3.501 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF119191.D
Acq: 4 Mar 2020 13:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 91083
Ion Ratio Lower Upper
178 100
176 18.3 16.5 24.7
179 15.0 13.0 19.6

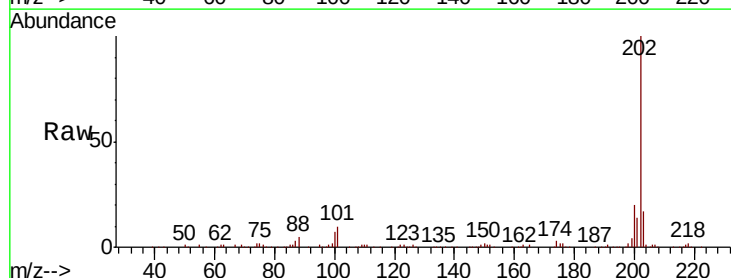


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

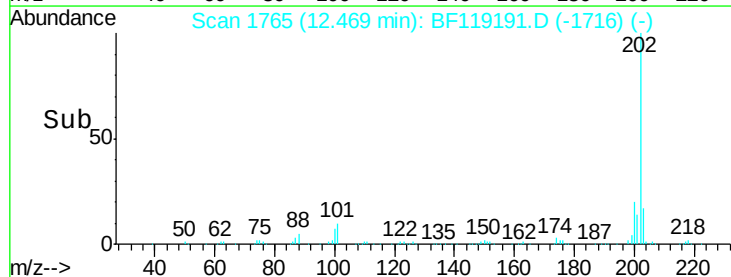
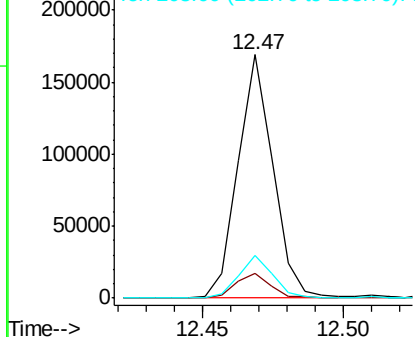


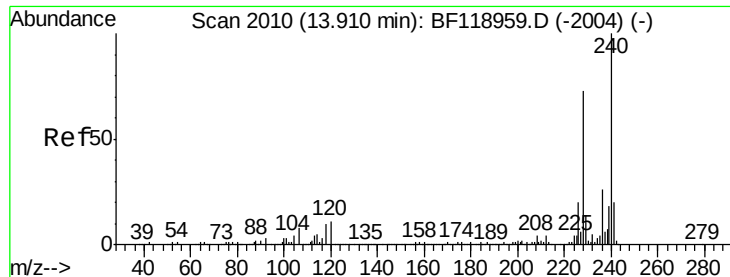
#75
Fluoranthene
Concen: 5.274 ng
RT: 12.47 min Scan# 1765
Delta R.T. -0.01 min
Lab File: BF119191.D
Acq: 4 Mar 2020 13:27

Tgt Ion:202 Resp: 145660
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.3
203 17.3 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: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF119191.D

Acq: 4 Mar 2020 13:27

Instrument :

BNA_F

ClientSampleId :

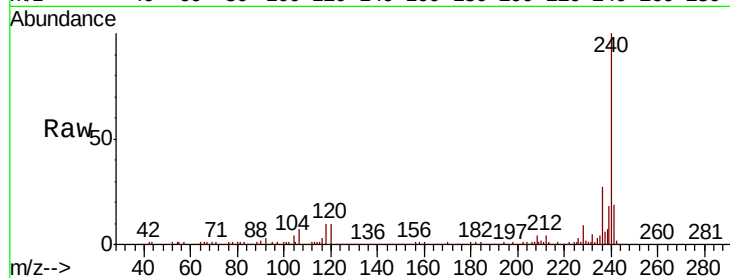
Tot Ion:240 Resp: 268011

Ion Ratio Lower Upper

240 100

120 10.5 8.4 12.6

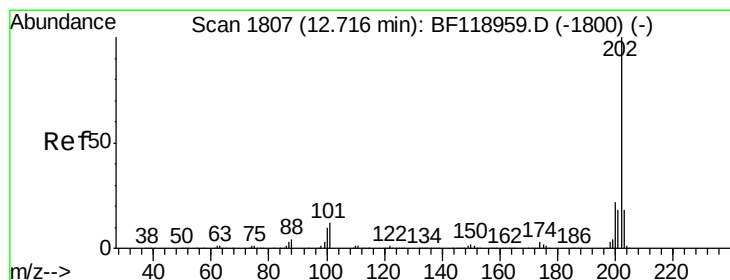
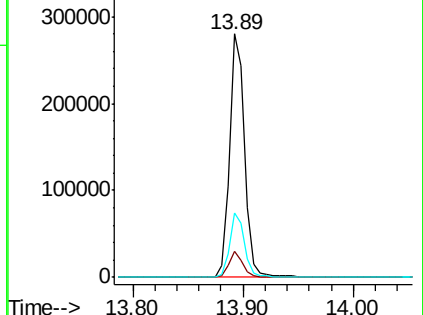
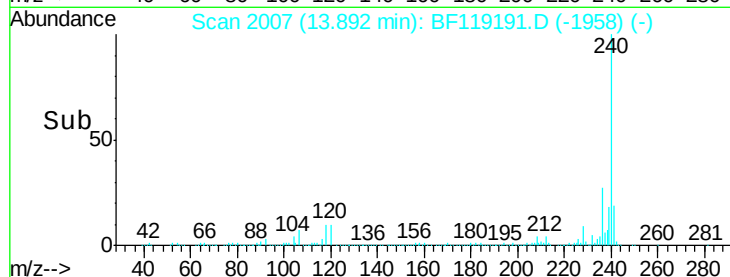
236 26.6 21.0 31.4



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

Pyrene

Concen: 6.477 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF119191.D

Acq: 4 Mar 2020 13:27

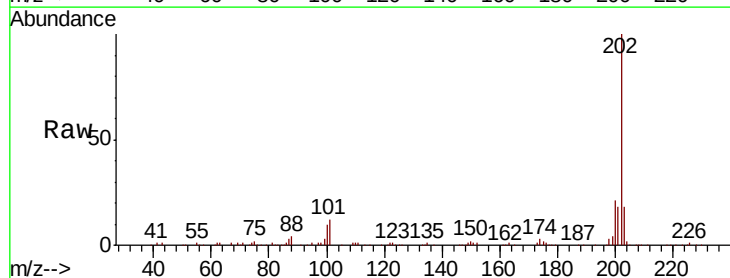
Tgt Ion:202 Resp: 139383

Ion Ratio Lower Upper

202 100

200 20.7 18.0 27.0

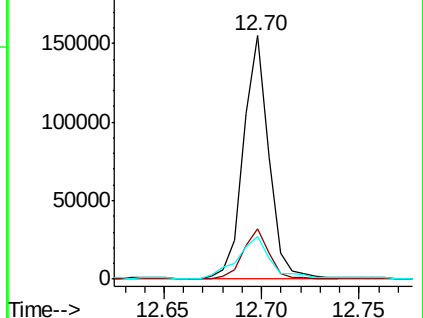
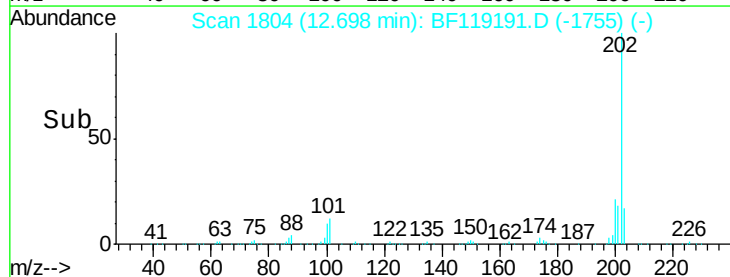
203 17.5 14.6 22.0

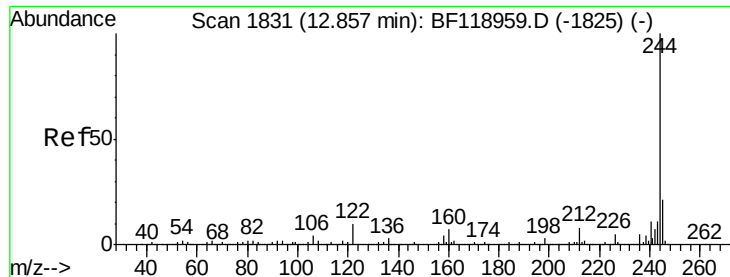


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 81.563 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF119191.D

Acq: 4 Mar 2020 13:27

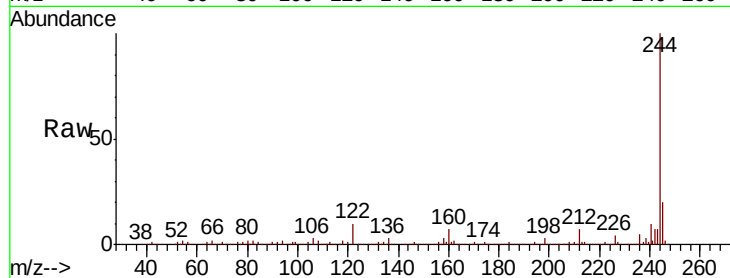
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 1269680

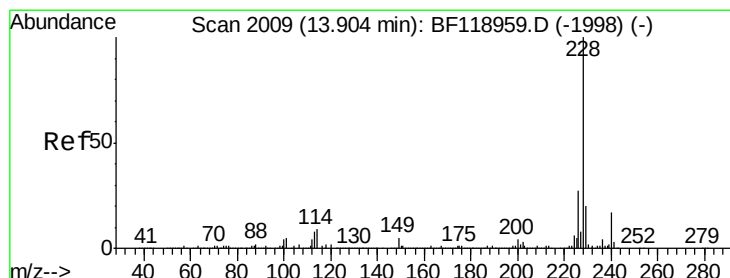
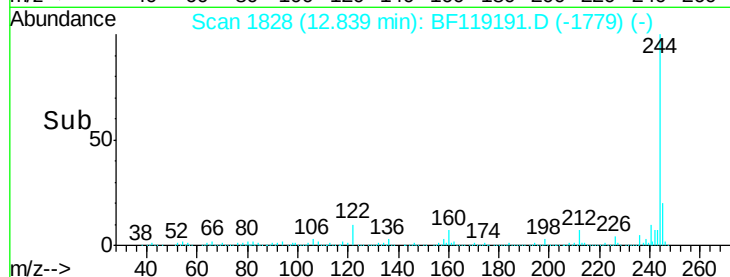
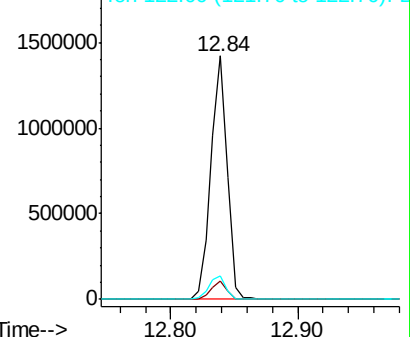
Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.6	10.0
122	9.7	8.2	12.2



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



#81

Benzo(a)anthracene

Concen: 2.975 ng

RT: 13.89 min Scan# 2006

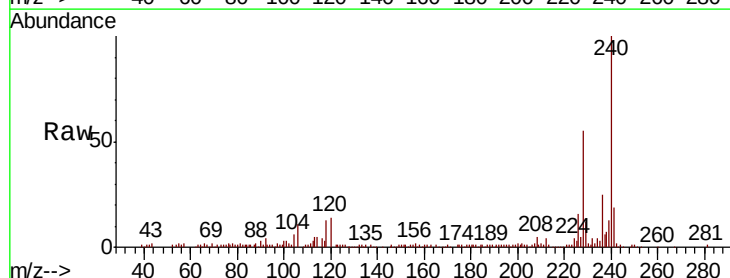
Delta R.T. -0.01 min

Lab File: BF119191.D

Acq: 4 Mar 2020 13:27

Tgt Ion:228 Resp: 54333

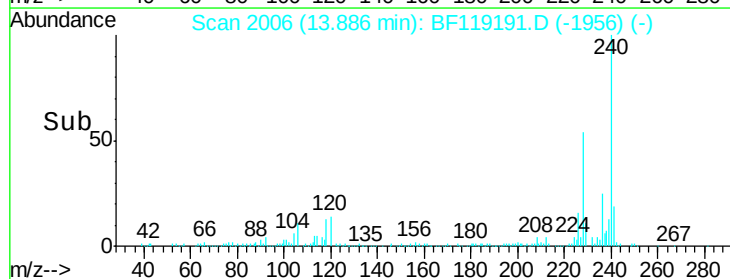
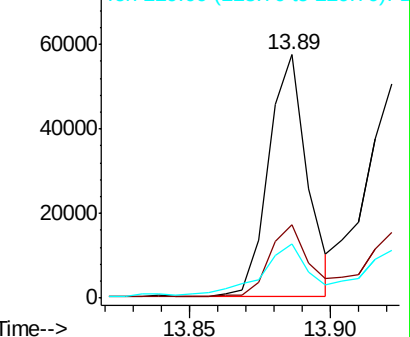
Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.6	33.8
229	22.0	16.6	24.8

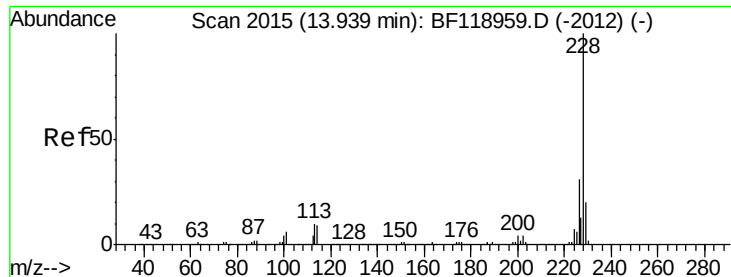


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

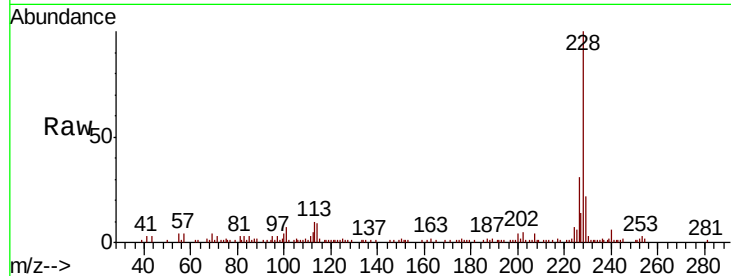




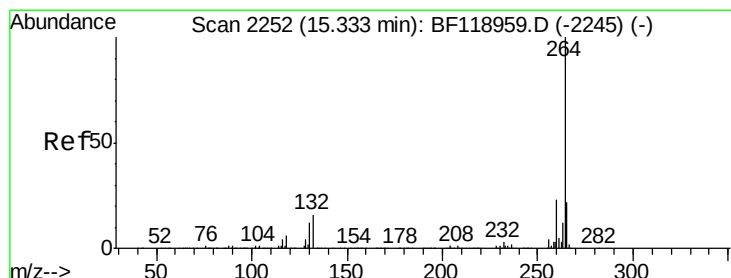
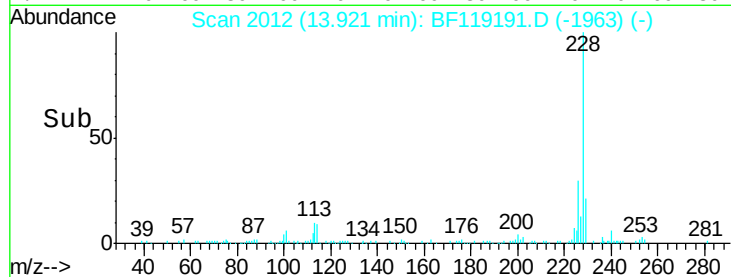
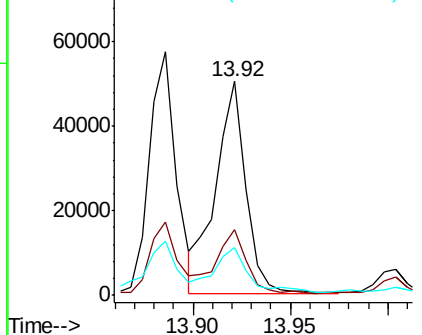
#83
Chrysene
Concen: 2.996 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF119191.D
Acq: 4 Mar 2020 13:27

Instrument :
BNA_F
ClientSampleId :

Tot	Ion:228	Resp:	54508
Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.1	37.7
229	22.4	16.3	24.5

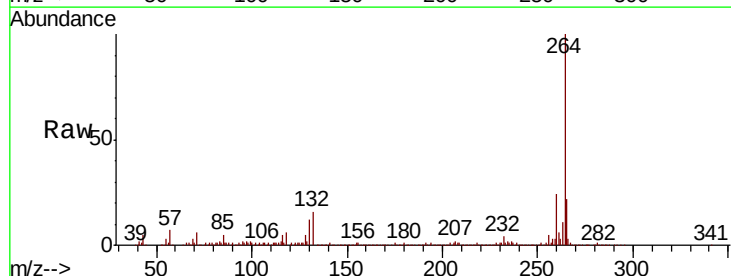


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

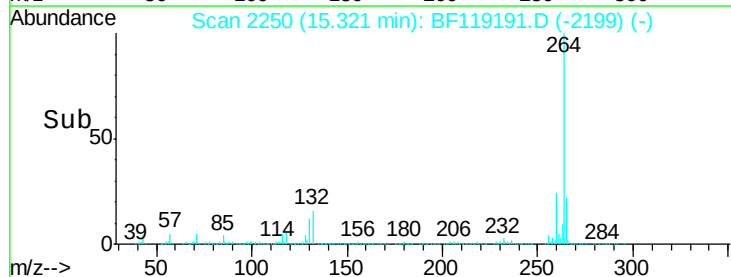
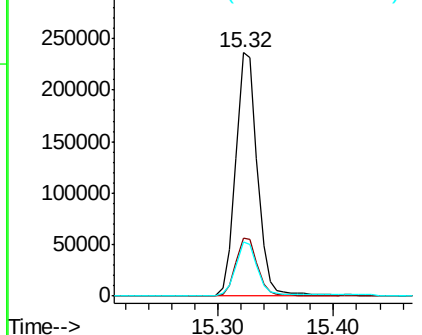


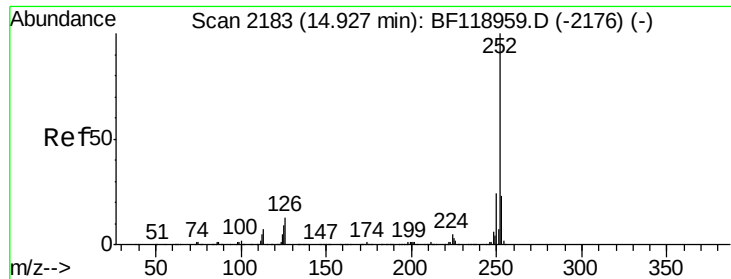
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.00 min
Lab File: BF119191.D
Acq: 4 Mar 2020 13:27

Tgt	Ion:264	Resp:	309074
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	22.1	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

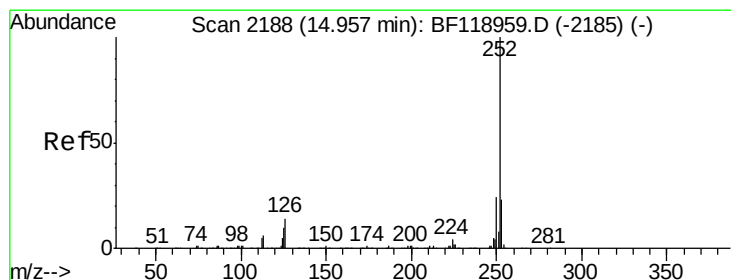
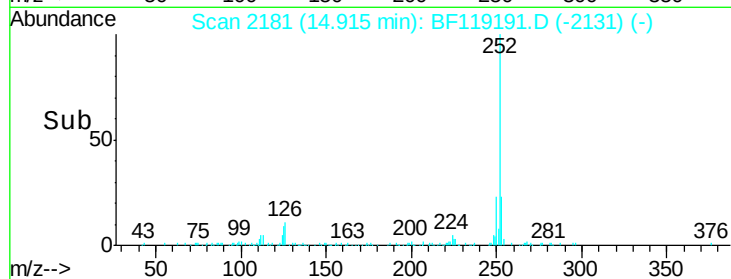
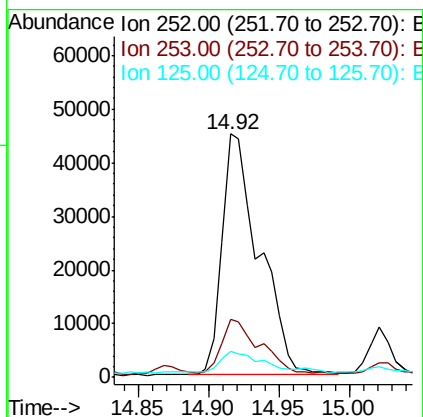
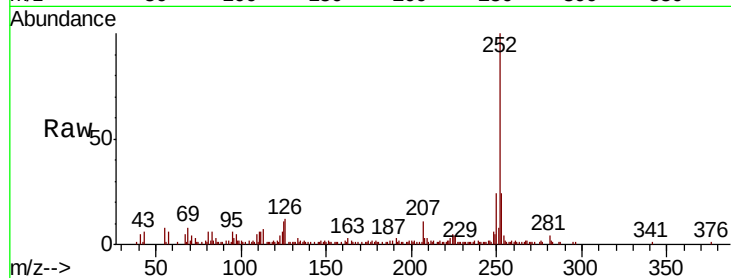




#88
Benzo(b)fluoranthene
Concen: 4.090 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BF119191.D
Acq: 4 Mar 2020 13:27

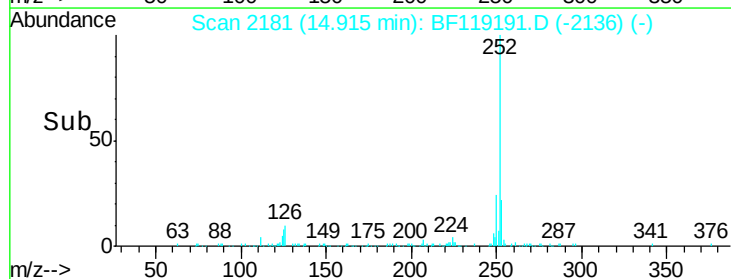
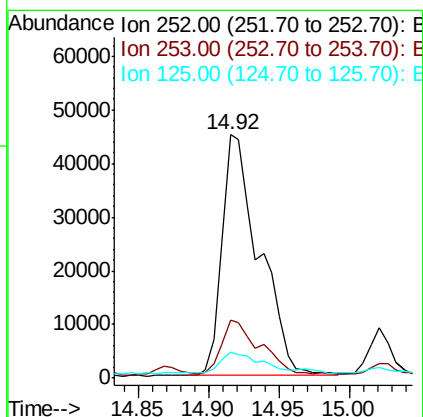
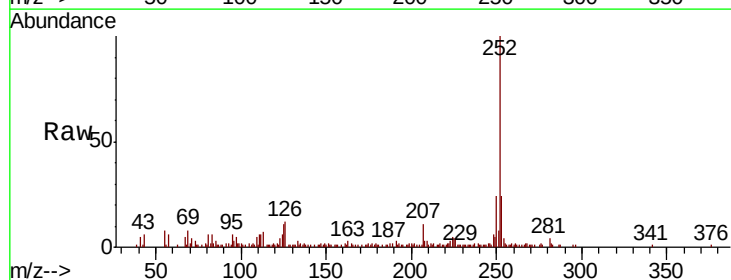
Instrument :
BNA_F
ClientSampleId :

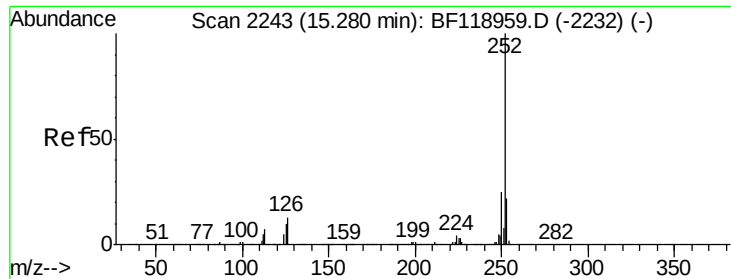
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	10.9	7.4	11.0



#89
Benzo(k)fluoranthene
Concen: 4.414 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.04 min
Lab File: BF119191.D
Acq: 4 Mar 2020 13:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	10.9	7.5	11.3





#90
 Benzo(a)pyrene
 Concen: 2.681 ng
 RT: 15.27 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: BF119191.D
 Acq: 4 Mar 2020 13:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	11.0	8.6	12.8

