

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
 Data File : BF119324.D
 Acq On : 10 Mar 2020 18:51
 Operator : CG/JU
 Sample : L1852-15
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 11 01:40:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 06 23:38:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	108369	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	402408	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	195803	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	288735	20.00	ng	0.00
76) Chrysene-d12	13.89	240	233919	20.00	ng	0.00
87) Perylene-d12	15.32	264	203692	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	534085	82.36	ng	0.00
7) Phenol-d6	6.38	99	661376	83.86	ng	0.00
23) Nitrobenzene-d5	7.29	82	459029	60.23	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	136203	53.17	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	778439	58.57	ng	0.00
79) Terphenyl-d14	12.82	244	618923	45.55	ng	0.00

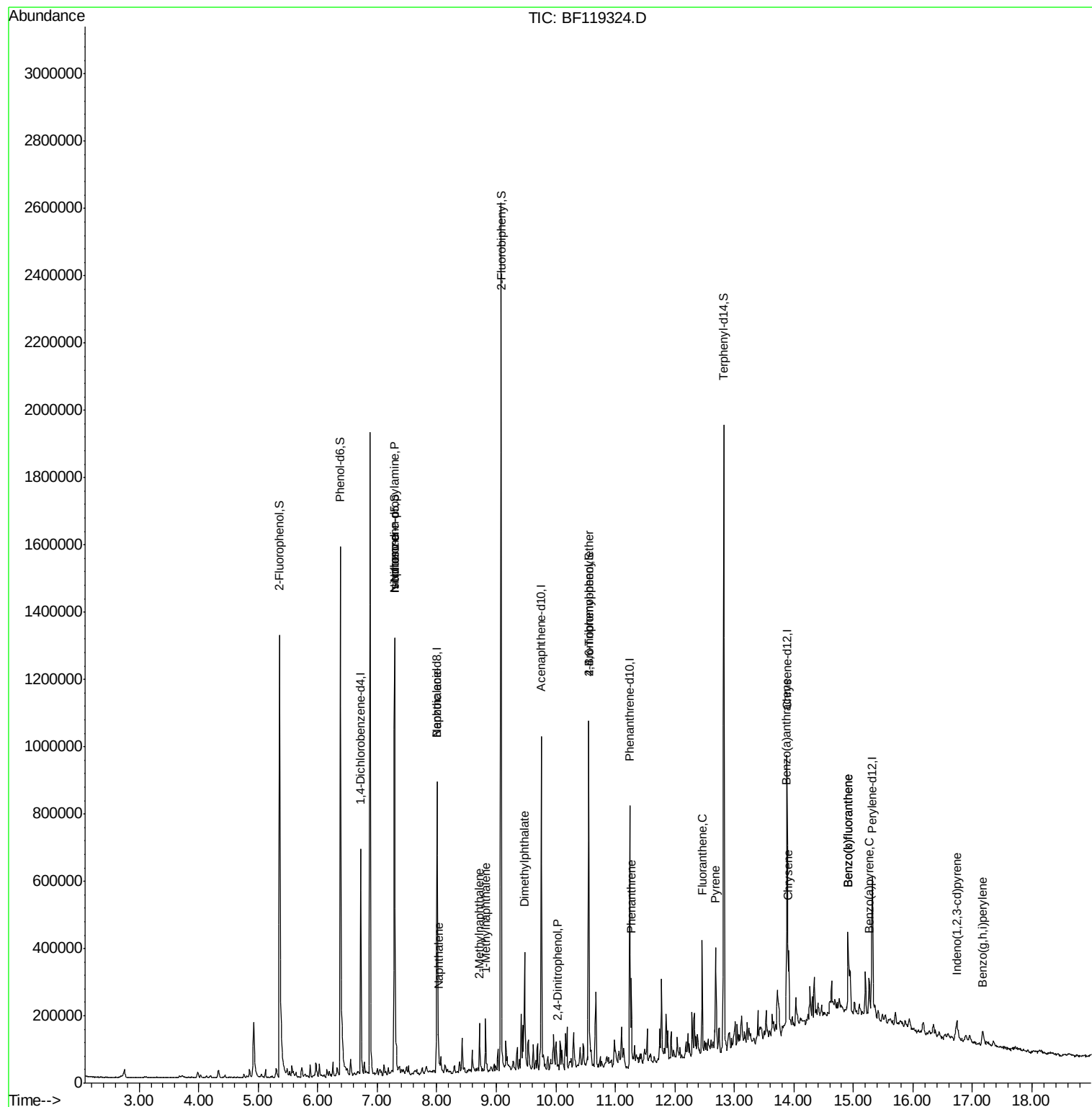
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.29	70	66132	14.391	ng	# 75
25) Isophorone	7.29	82	459029	34.680	ng	# 63
31) Naphthalene	8.03	128	43424	2.081	ng	98
32) Benzoic acid	8.00	122	330	6.752	ng	# 1
37) 2-Methylnaphthalene	8.72	142	40399	2.876	ng	96
38) 1-Methylnaphthalene	8.82	142	48023	3.636	ng	95
50) Dimethylphthalate	9.47	163	131403	8.776	ng	100
54) 2,4-Dinitrophenol	10.04	184	876	7.966	ng	# 23
67) 4-Bromophenyl-phenylether	10.55	248	9183	2.433	ng	# 1
71) Phenanthrene	11.27	178	95517	6.066	ng	97
75) Fluoranthene	12.46	202	116299	6.958	ng	98
78) Pyrene	12.69	202	112037	5.965	ng	97
81) Benzo(a)anthracene	13.87	228	86888	5.451	ng	98
83) Chrysene	13.92	228	104459	6.577	ng	96
86) Indeno(1,2,3-cd)pyrene	16.74	276	34644	2.253	ng	96
88) Benzo(b)fluoranthene	14.91	252	169062	12.592	ng	98
89) Benzo(k)fluoranthene	14.91	252	169062	13.588	ng	97
90) Benzo(a)pyrene	15.26	252	58615	4.837	ng	97
92) Benzo(a,h,i)perylene	17.17	276	34650	3.289	ng	# 94

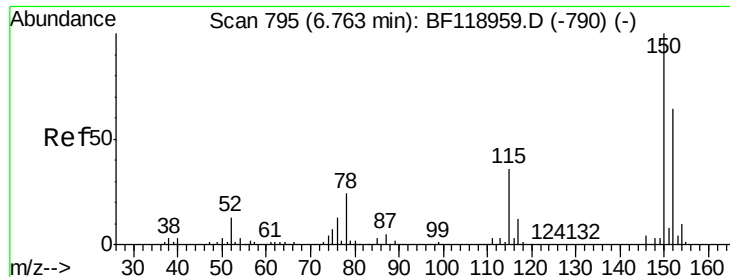
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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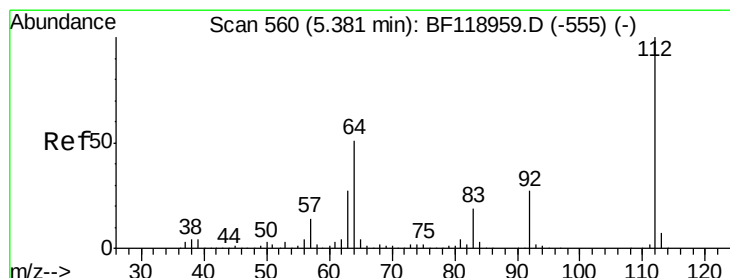
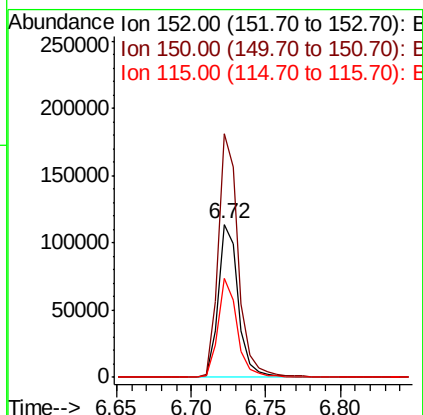
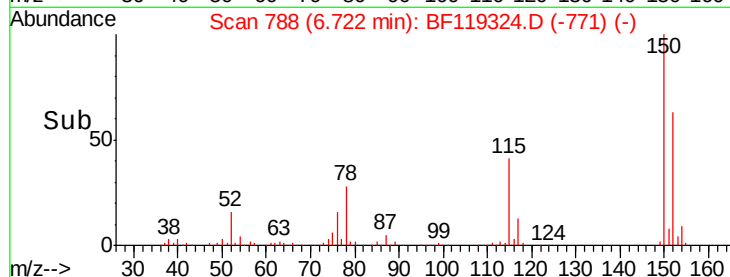
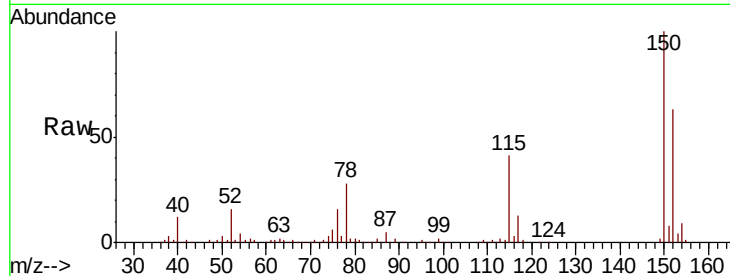


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF119324.D
Acq: 10 Mar 2020 18:51

Instrument :
BNA_F
ClientSampleId :

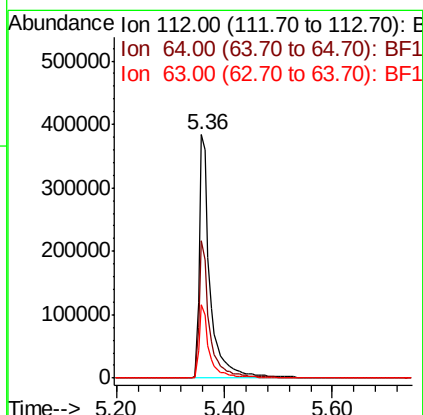
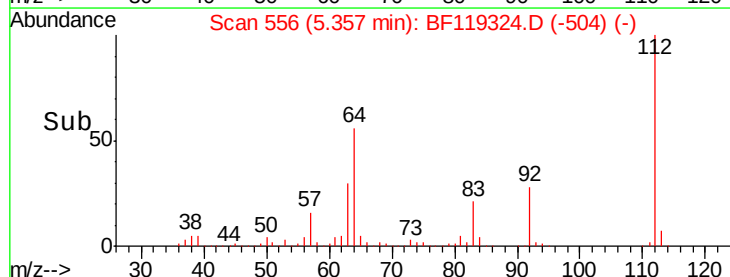
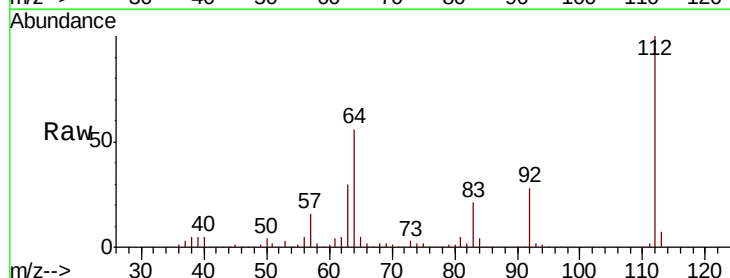
Tot Ion:152 Resp: 108369
Ion Ratio Lower Upper
152 100
150 159.2 123.0 184.6
115 65.1 49.5 74.3

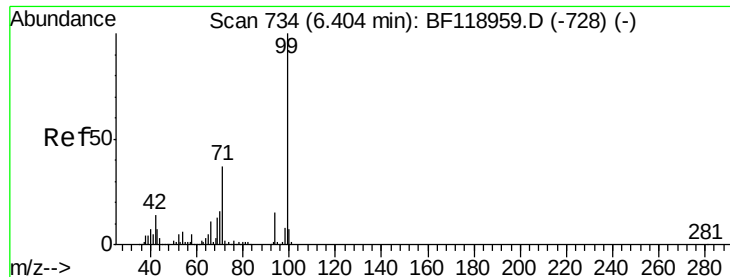


#5

2-Fluorophenol
Concen: 82.362 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF119324.D
Acq: 10 Mar 2020 18:51

Tgt Ion:112 Resp: 534085
Ion Ratio Lower Upper
112 100
64 56.4 45.0 67.4
63 30.1 24.2 36.4





#7

Phenol-d6

Concen: 83.862 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF119324.D

Acq: 10 Mar 2020 18:51

Instrument :

BNA_F

ClientSampled :

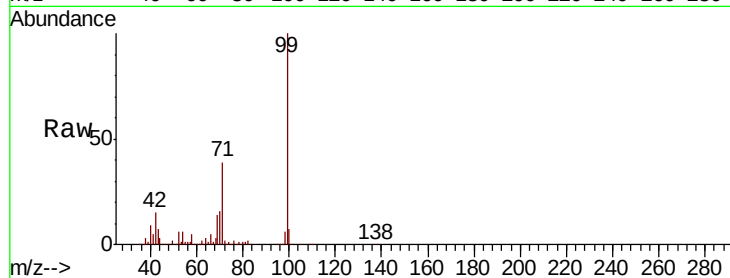
Tot Ion: 99 Resp: 661376

Ion Ratio Lower Upper

99 100

42 14.9 12.6 18.8

71 38.7 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

800000

600000

400000

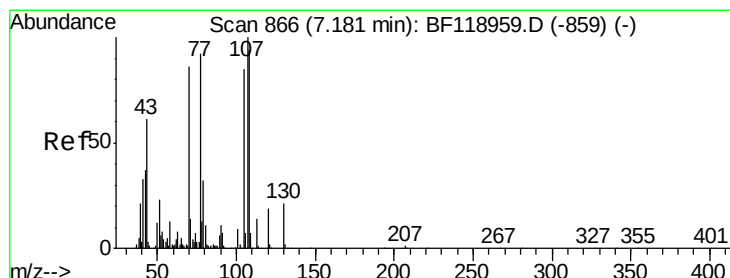
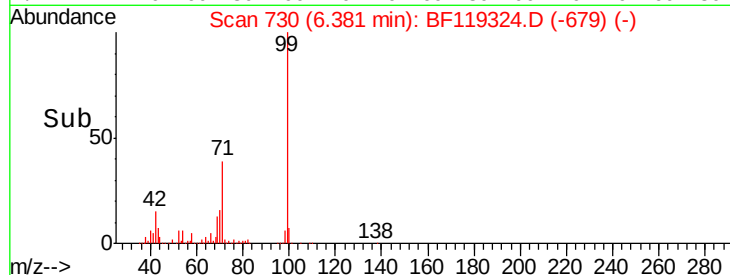
200000

0

6.38

6.30 6.40 6.50 6.60 6.70

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 14.391 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.15 min

Lab File: BF119324.D

Acq: 10 Mar 2020 18:51

Tgt Ion: 70 Resp: 66132

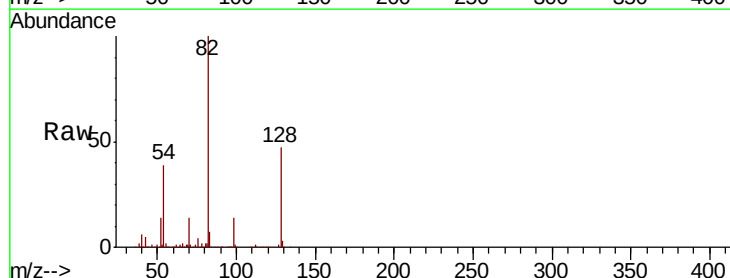
Ion Ratio Lower Upper

70 100

42 36.5 38.0 57.0#

101 0.0 8.2 12.4#

130 2.3 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

100000

80000

60000

40000

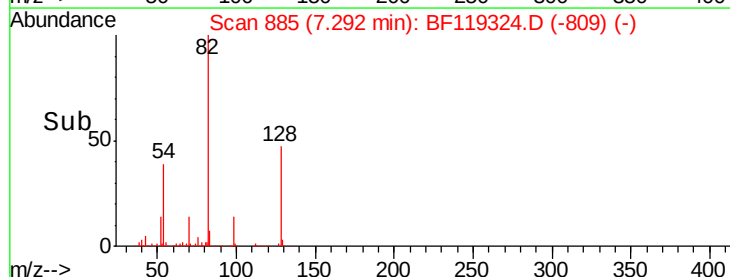
20000

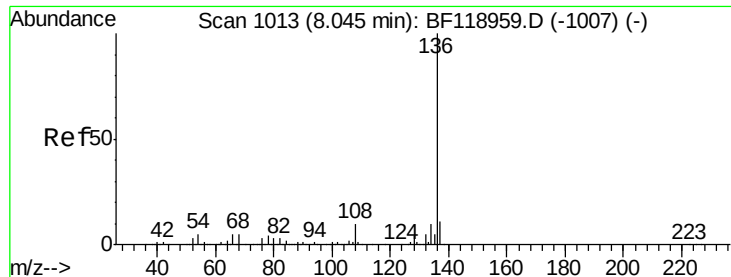
0

7.29

7.25 7.30 7.35 7.40

Time-->





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF119324.D

Acq: 10 Mar 2020 18:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 402408

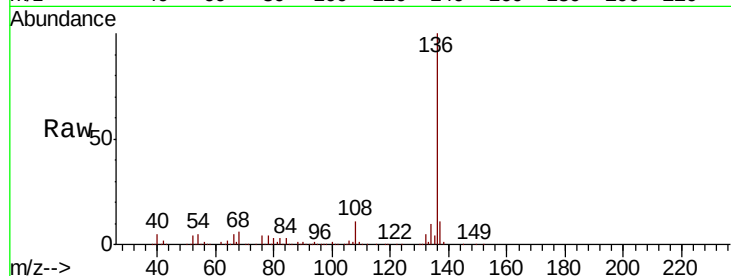
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 5.4 3.8 5.6

68 5.6 3.9 5.9

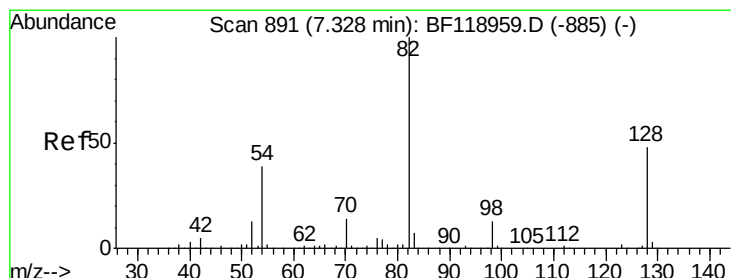
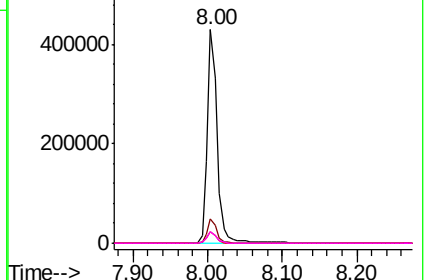
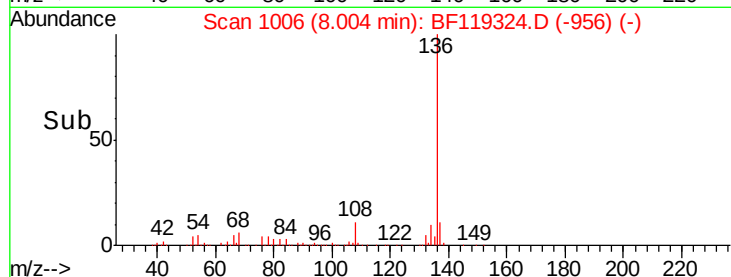


Abundance Ion 136.00 (135.70 to 136.70): E

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: 60.229 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.00 min

Lab File: BF119324.D

Acq: 10 Mar 2020 18:51

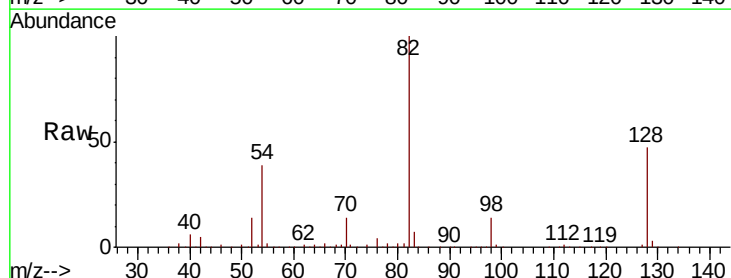
Tgt Ion: 82 Resp: 459029

Ion Ratio Lower Upper

82 100

128 46.7 37.9 56.9

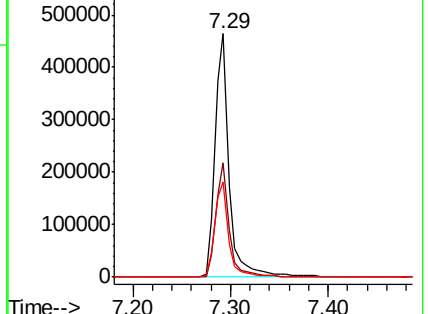
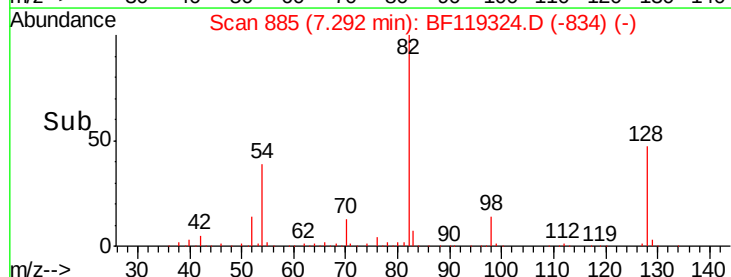
54 39.3 33.4 50.2

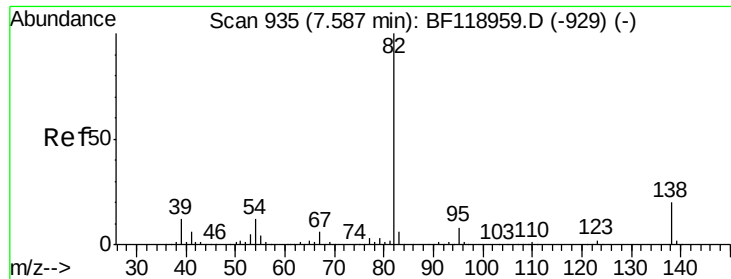


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

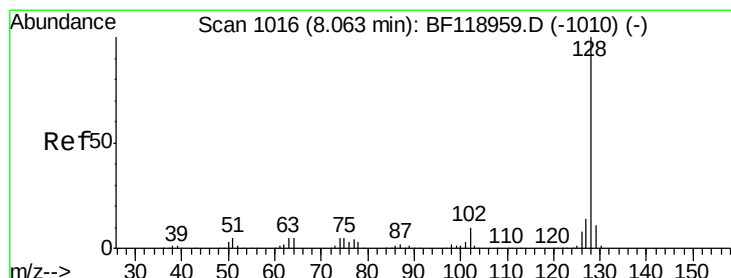
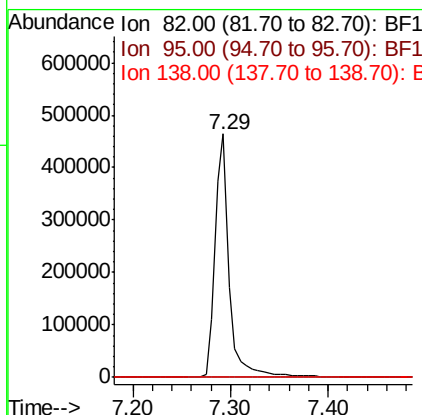
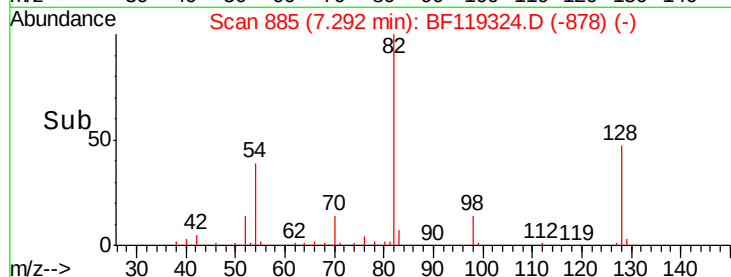
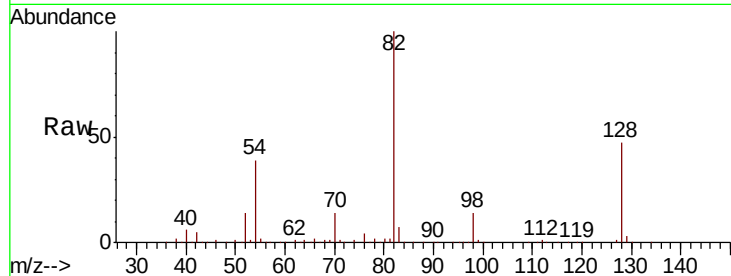




#25
Isophorone
Concen: 34.680 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.26 min
Lab File: BF119324.D
Acq: 10 Mar 2020 18:51

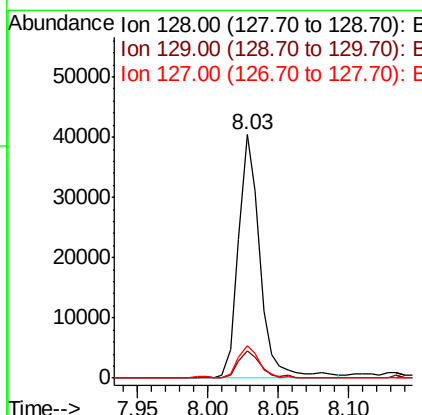
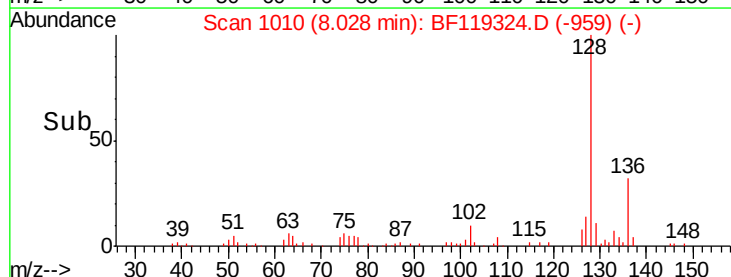
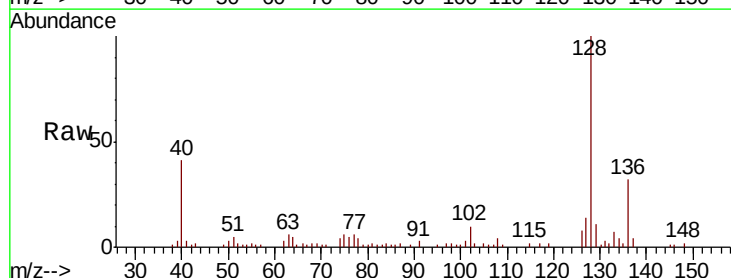
Instrument :
BNA_F
ClientSampleId :

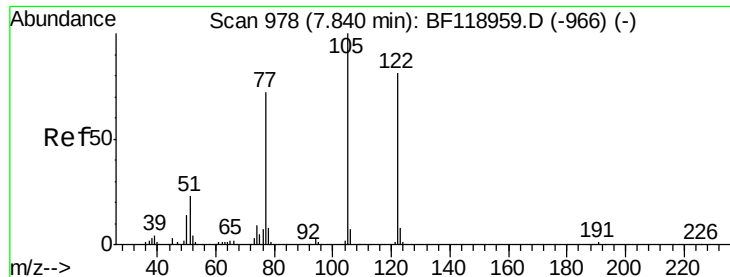
Tot Ion: 82 Resp: 459029
Ion Ratio Lower Upper
82 100
95 0.2 6.4 9.6#
138 0.0 15.7 23.5#



#31
Naphthalene
Concen: 2.081 ng
RT: 8.03 min Scan# 1010
Delta R.T. 0.00 min
Lab File: BF119324.D
Acq: 10 Mar 2020 18:51

Tgt Ion: 128 Resp: 43424
Ion Ratio Lower Upper
128 100
129 11.3 9.4 14.2
127 13.5 11.4 17.2

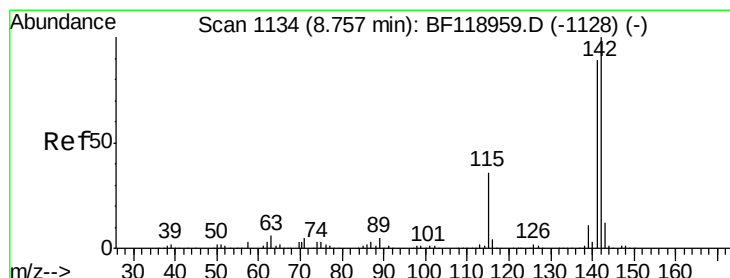
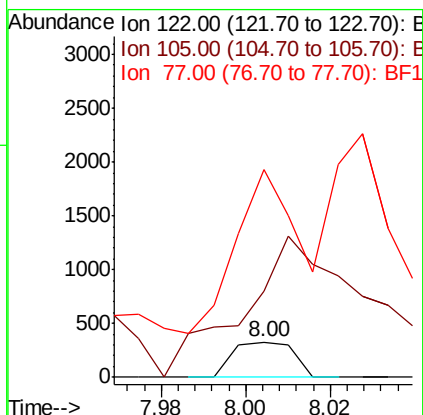
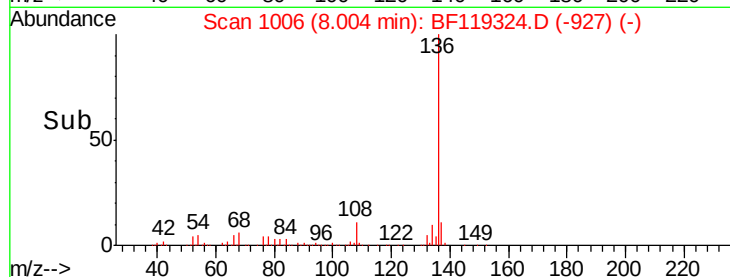
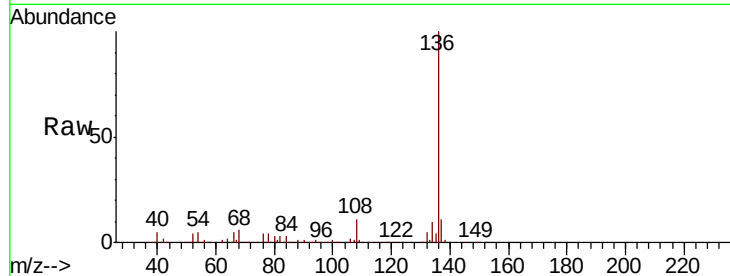




#32
Benzoic acid
Concen: 6.752 ng
RT: 8.00 min Scan# 1006
Delta R.T. 0.16 min
Lab File: BF119324.D
Acq: 10 Mar 2020 18:51

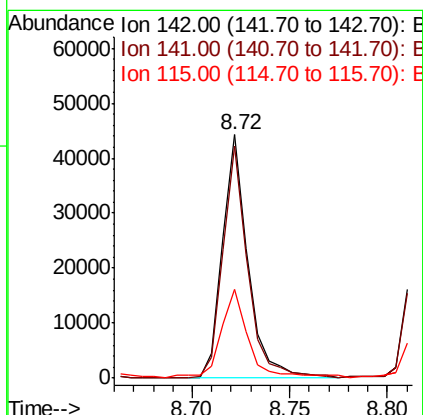
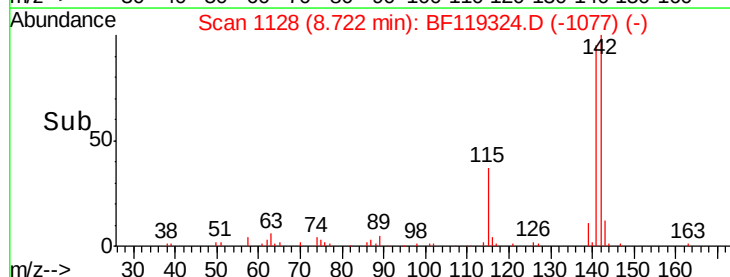
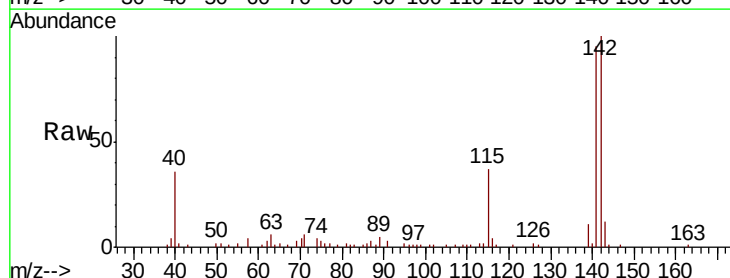
Instrument :
BNA_F
ClientSampleId :

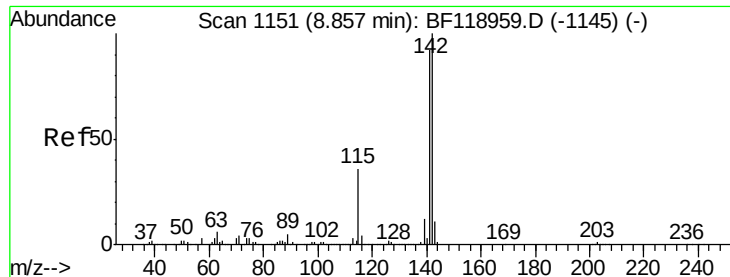
Tot Ion:122 Resp: 330
Ion Ratio Lower Upper
122 100
105 243.7 106.3 146.3#
77 590.2 73.1 113.1#



#37
2-Methylnaphthalene
Concen: 2.876 ng
RT: 8.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF119324.D
Acq: 10 Mar 2020 18:51

Tgt Ion:142 Resp: 40399
Ion Ratio Lower Upper
142 100
141 95.1 72.3 108.5
115 36.6 30.6 45.8

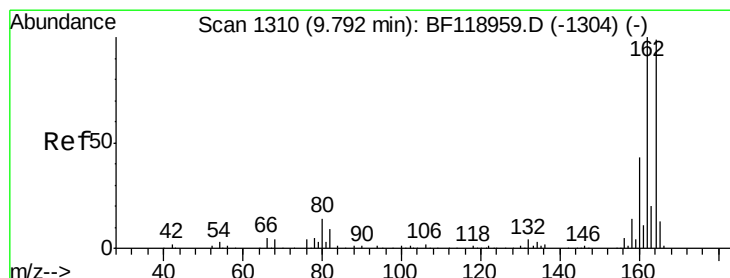
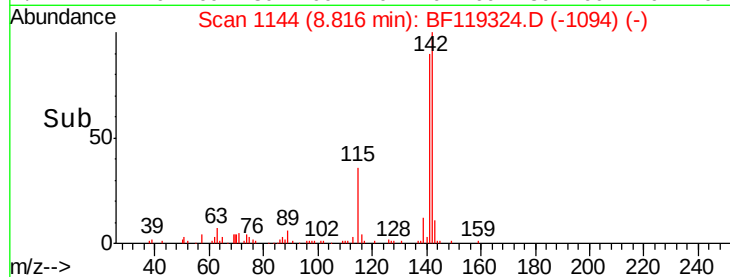
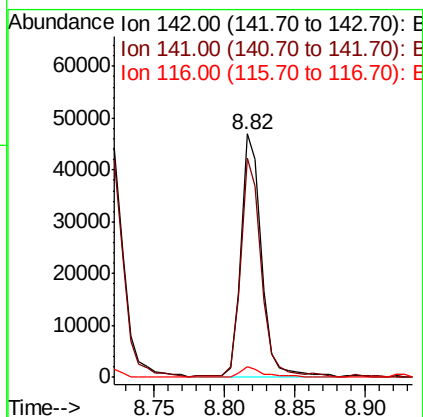
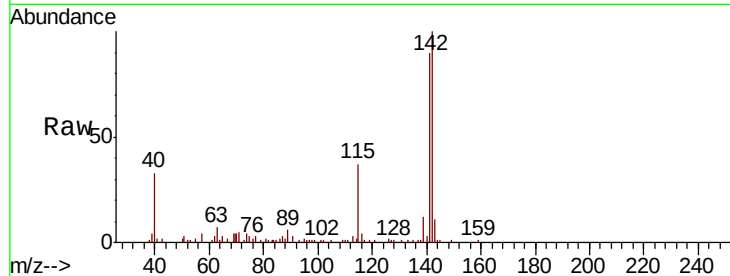




#38
 1-Methylnaphthalene
 Concen: 3.636 ng
 RT: 8.82 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: BF119324.D
 Acq: 10 Mar 2020 18:51

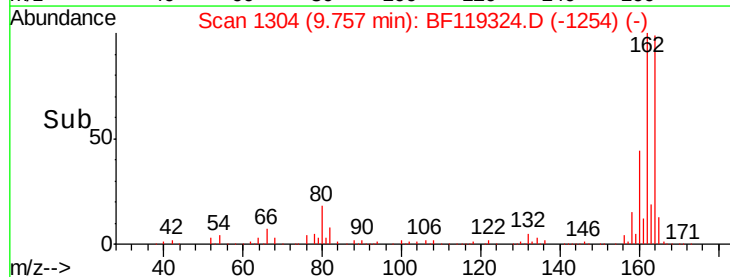
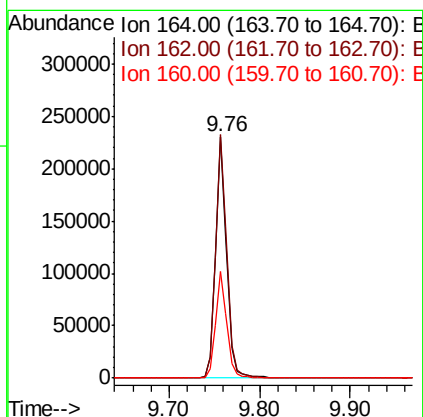
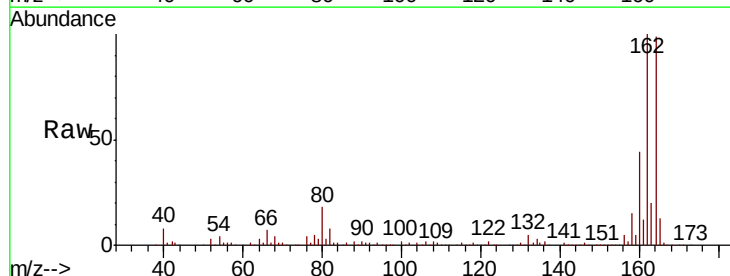
Instrument :
 BNA_F
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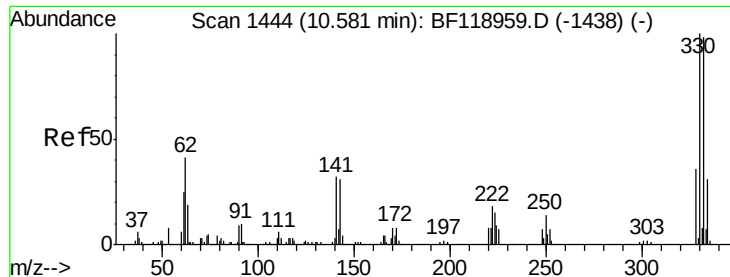
Tot Ion:142 Resp: 48023
 Ion Ratio Lower Upper
 142 100
 141 90.2 75.8 113.6
 116 4.2 3.1 4.7



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF119324.D
 Acq: 10 Mar 2020 18:51

Tgt Ion:164 Resp: 195803
 Ion Ratio Lower Upper
 164 100
 162 101.0 81.8 122.8
 160 44.1 36.0 54.0

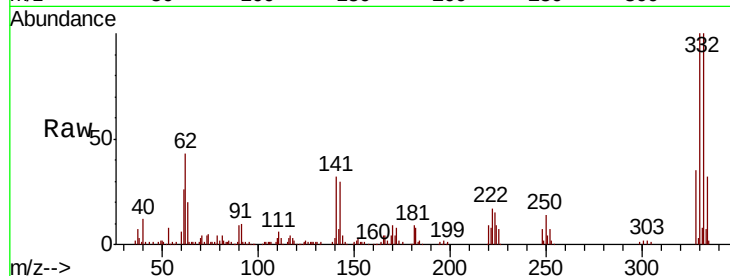




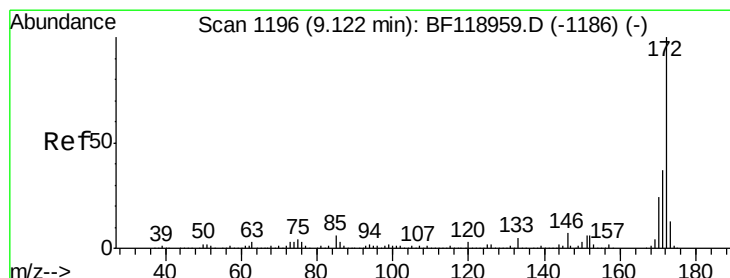
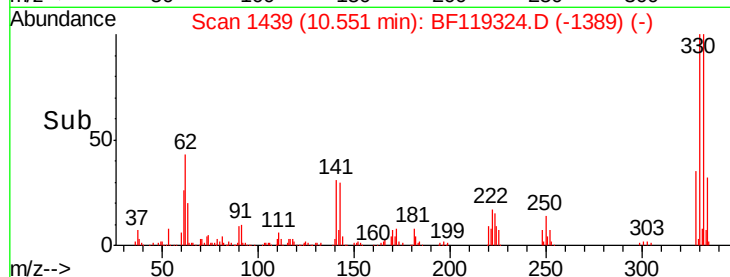
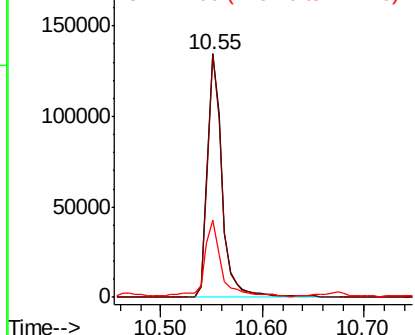
#42
 2,4,6-Tribromophenol
 Concen: 53.175 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF119324.D
 Acq: 10 Mar 2020 18:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.0	114.0
141	35.6	22.9	34.3

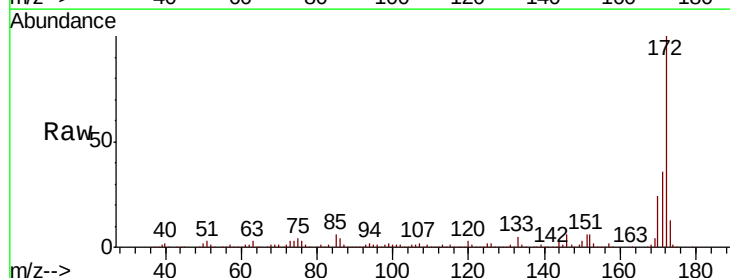


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

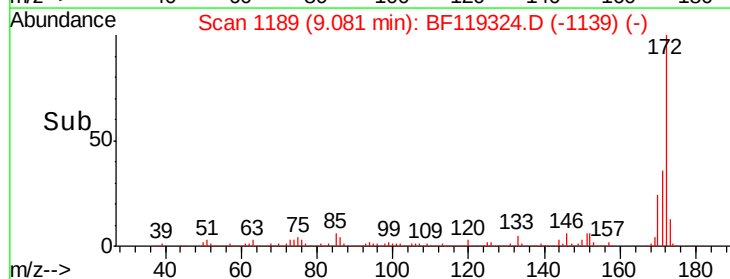
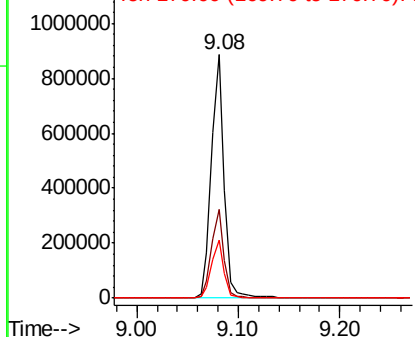


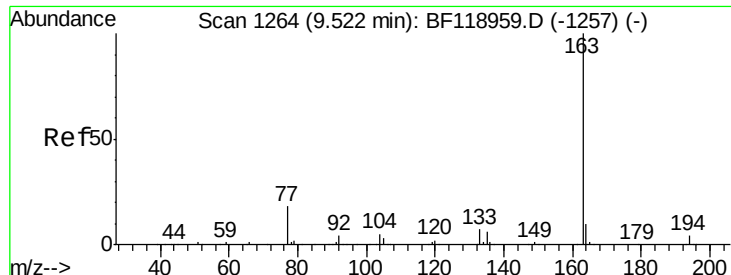
#45
 2-Fluorobiphenyl
 Concen: 58.568 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF119324.D
 Acq: 10 Mar 2020 18:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	30.6	45.8
170	23.6	20.2	30.2



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

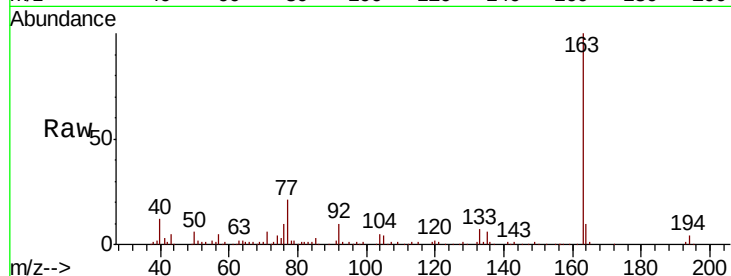




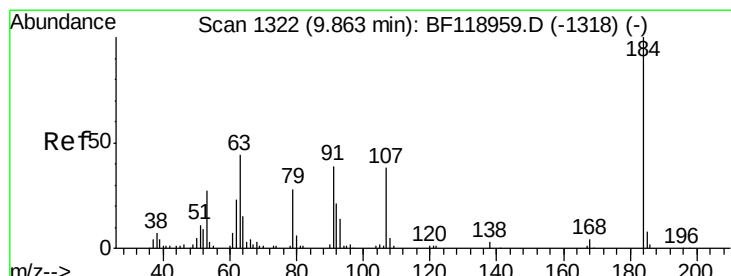
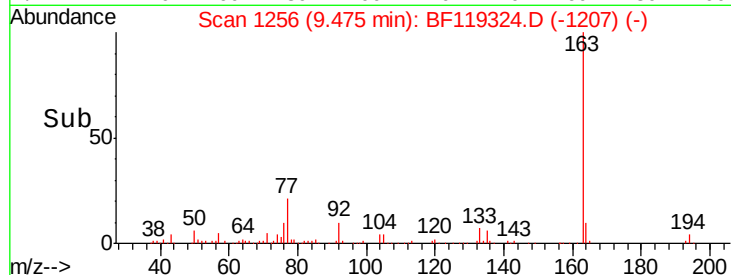
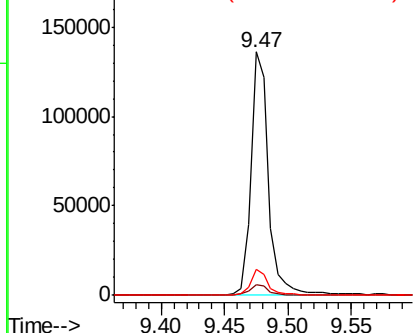
#50
Dimethylphthalate
Concen: 8.776 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF119324.D
Acq: 10 Mar 2020 18:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 131403
Ion Ratio Lower Upper
163 100
194 4.2 3.5 5.3
164 10.4 8.4 12.6

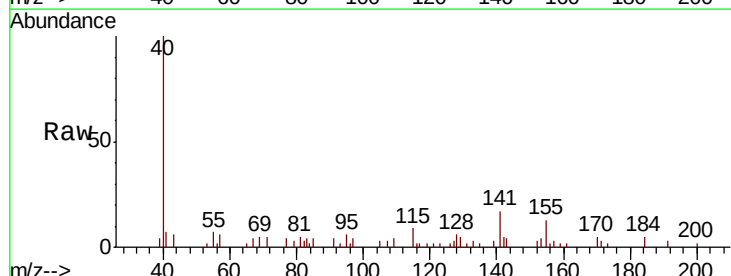


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

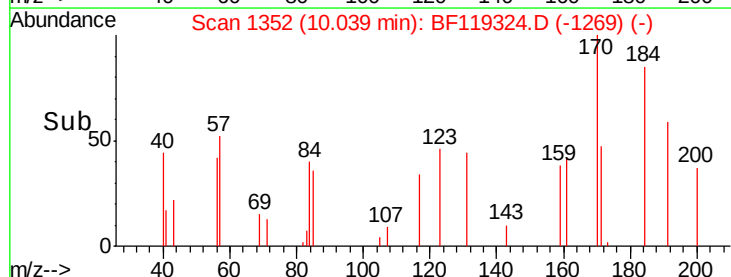
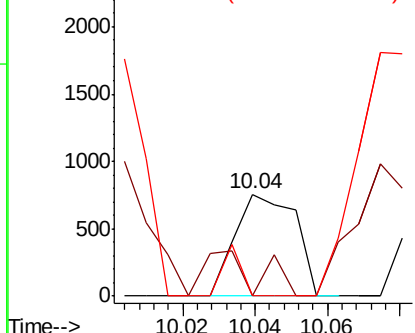


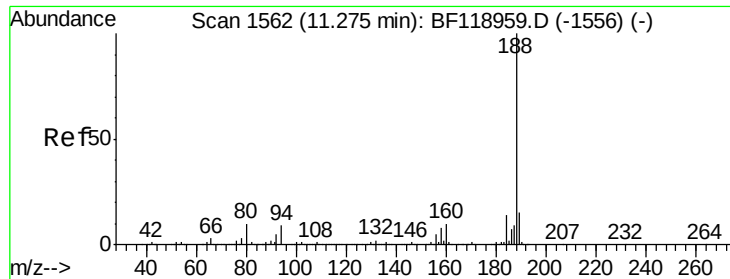
#54
2,4-Dinitrophenol
Concen: 7.966 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.19 min
Lab File: BF119324.D
Acq: 10 Mar 2020 18:51

Tgt Ion:184 Resp: 876
Ion Ratio Lower Upper
184 100
63 0.0 38.7 58.1#
154 0.0 49.7 74.5#



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

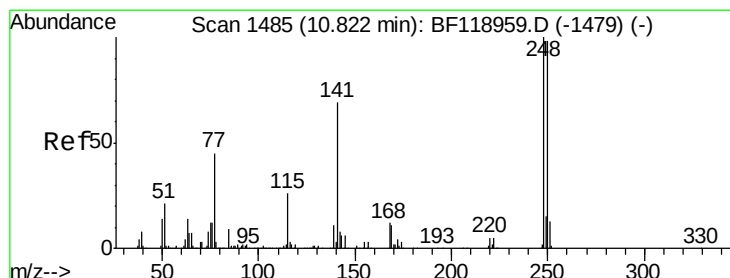
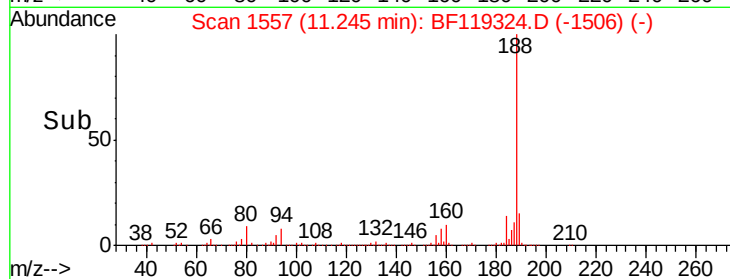
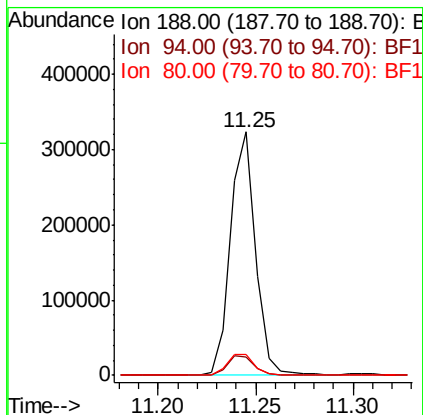
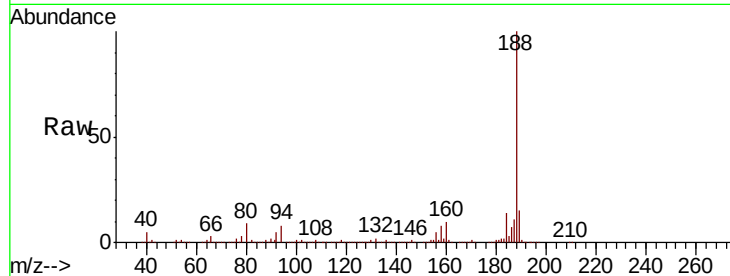




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF119324.D
Acq: 10 Mar 2020 18:51

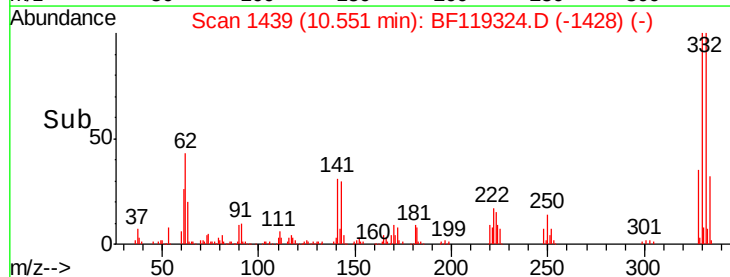
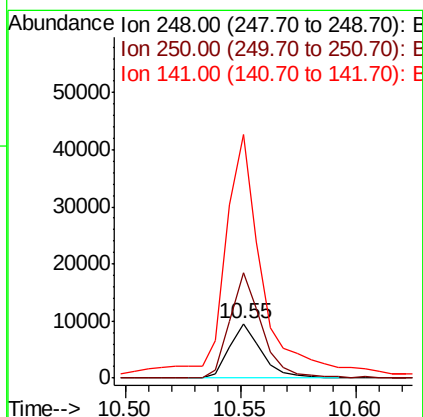
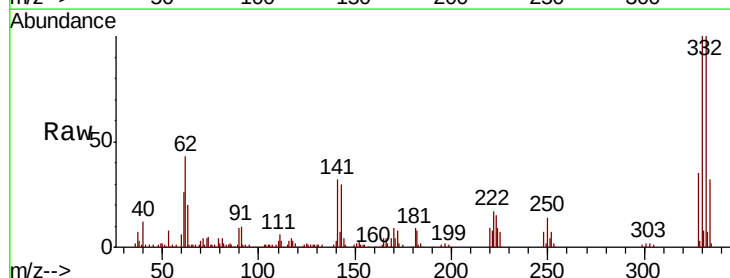
Instrument :
BNA_F
ClientSampleId :

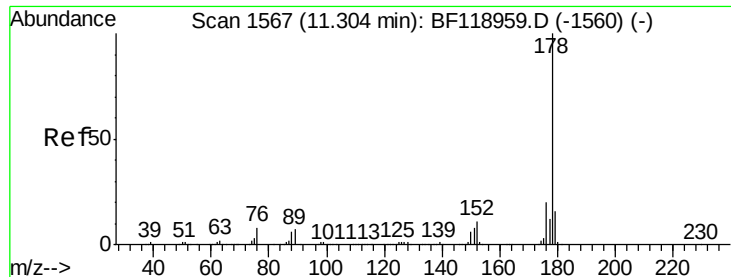
Tot Ion:188 Resp: 288735
Ion Ratio Lower Upper
188 100
94 7.7 7.1 10.7
80 8.6 7.8 11.8



#67
4-Bromophenyl-phenylether
Concen: 2.433 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.24 min
Lab File: BF119324.D
Acq: 10 Mar 2020 18:51

Tgt Ion:248 Resp: 9183
Ion Ratio Lower Upper
248 100
250 193.9 76.7 115.1#
141 446.8 60.7 91.1#

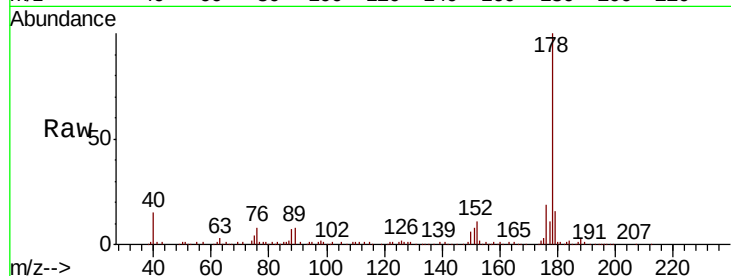




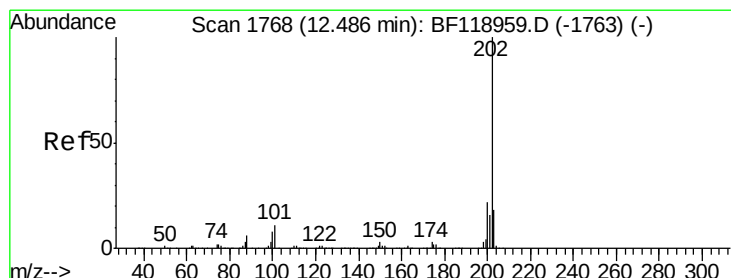
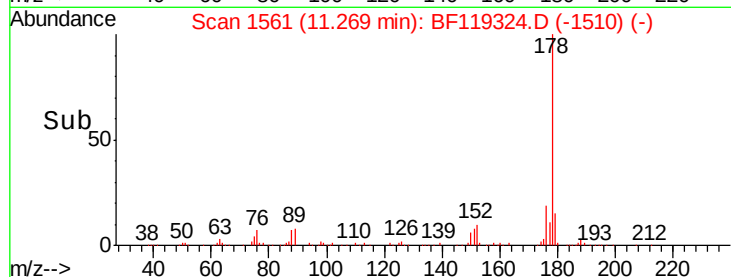
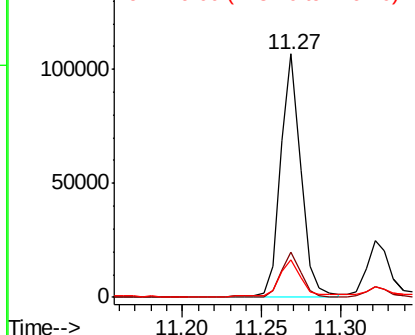
#71
Phenanthrene
Concen: 6.066 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BF119324.D
Acq: 10 Mar 2020 18:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 95517
Ion Ratio Lower Upper
178 100
176 18.6 16.5 24.7
179 15.6 13.0 19.6

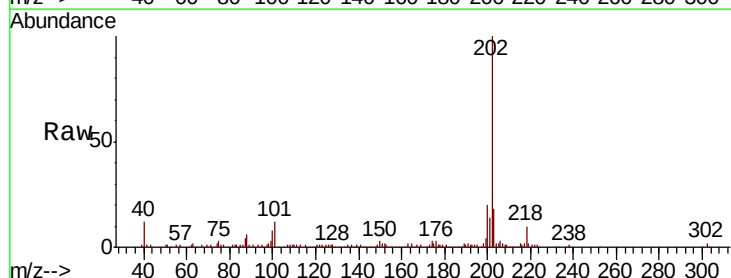


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

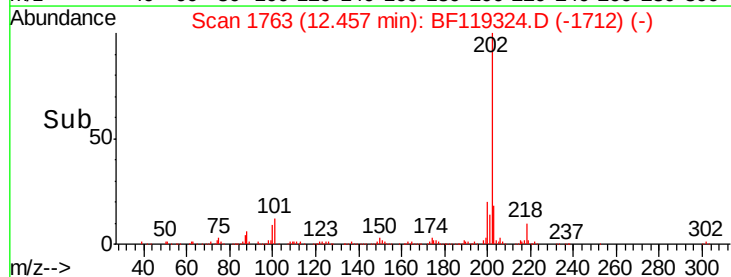
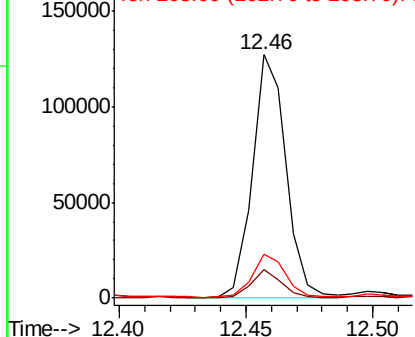


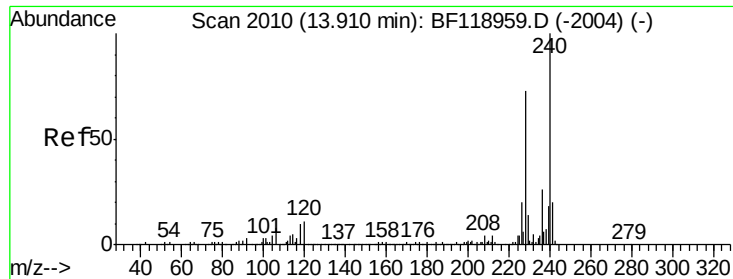
#75
Fluoranthene
Concen: 6.958 ng
RT: 12.46 min Scan# 1763
Delta R.T. 0.00 min
Lab File: BF119324.D
Acq: 10 Mar 2020 18:51

Tgt Ion:202 Resp: 116299
Ion Ratio Lower Upper
202 100
101 11.8 0.0 30.3
203 17.9 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

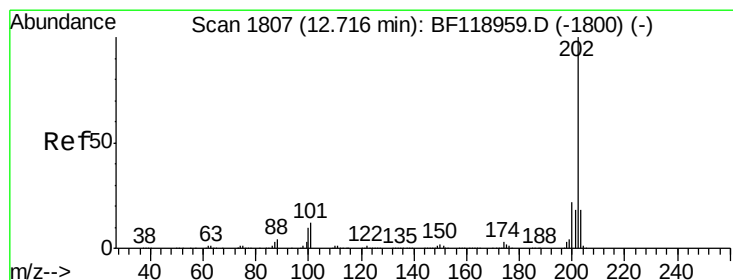
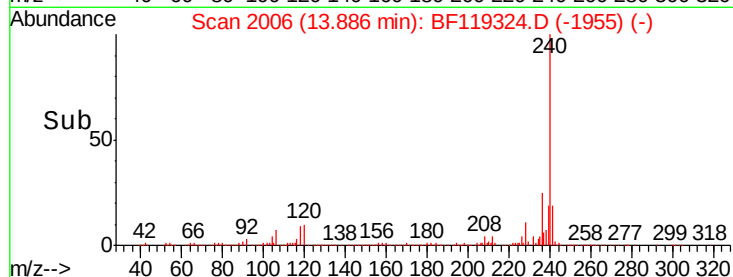
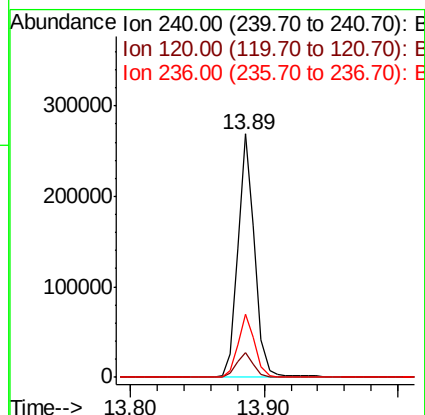
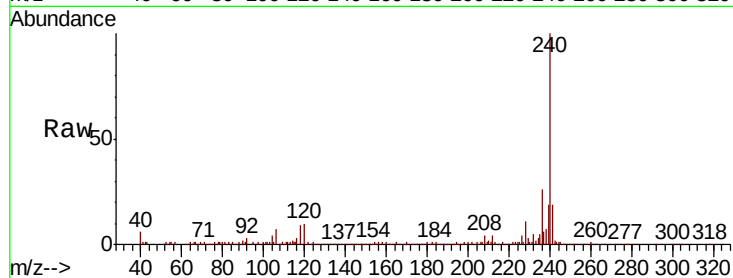




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF119324.D
Acq: 10 Mar 2020 18:51

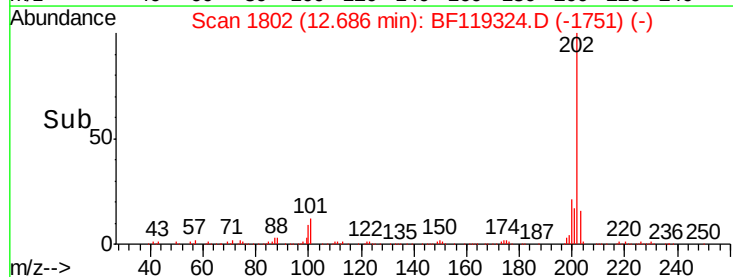
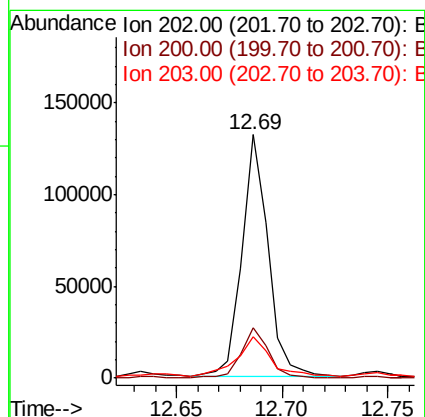
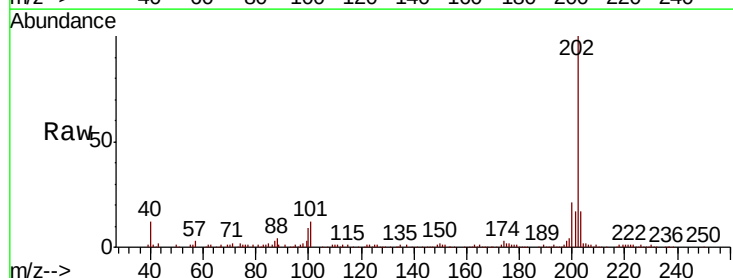
Instrument :
BNA_F
ClientSampleId :

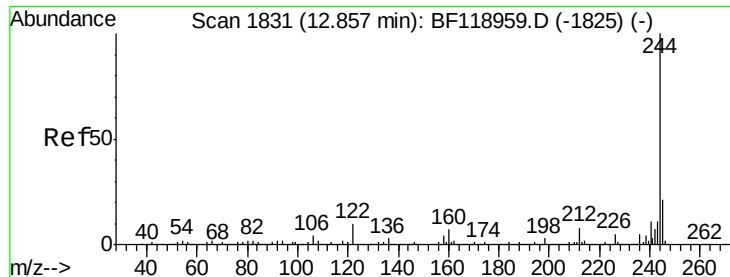
Tot Ion:240 Resp: 233919
Ion Ratio Lower Upper
240 100
120 9.9 8.4 12.6
236 25.7 21.0 31.4



#78
Pyrene
Concen: 5.965 ng
RT: 12.69 min Scan# 1802
Delta R.T. 0.00 min
Lab File: BF119324.D
Acq: 10 Mar 2020 18:51

Tgt Ion:202 Resp: 112037
Ion Ratio Lower Upper
202 100
200 20.8 18.0 27.0
203 17.2 14.6 22.0





#79

Terphenyl-d14

Concen: 45.554 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF119324.D

Acq: 10 Mar 2020 18:51

Instrument :

BNA_F

ClientSampled :

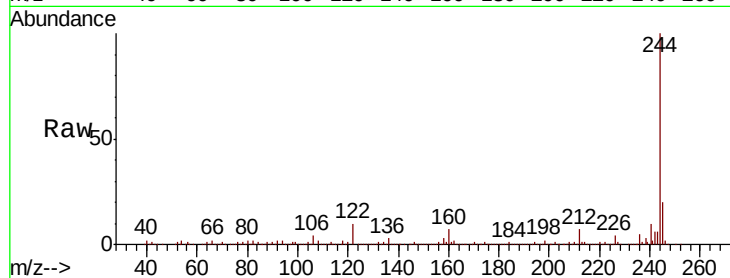
Tot Ion:244 Resp: 618923

Ion Ratio Lower Upper

244 100

212 7.1 6.6 10.0

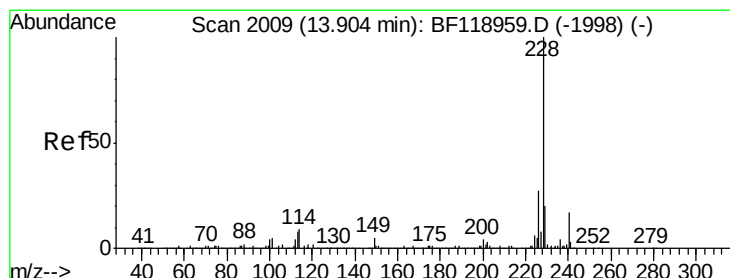
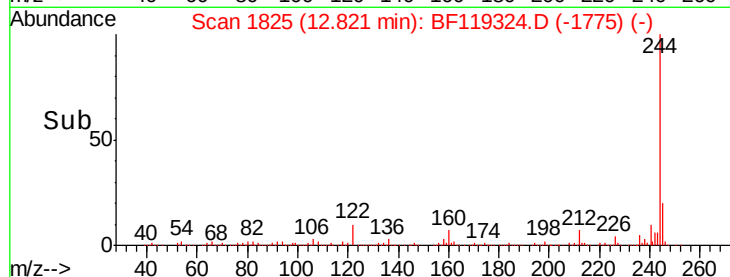
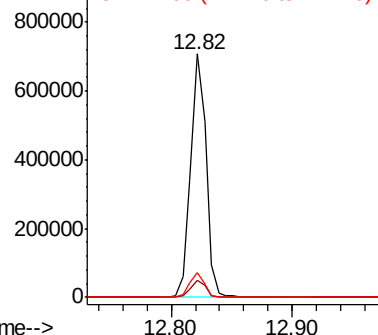
122 10.0 8.2 12.2



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: 5.451 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF119324.D

Acq: 10 Mar 2020 18:51

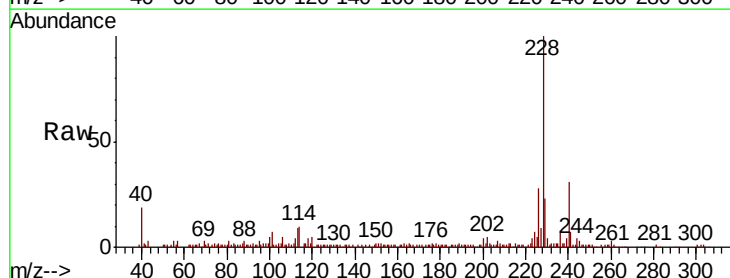
Tgt Ion:228 Resp: 86888

Ion Ratio Lower Upper

228 100

226 28.5 22.6 33.8

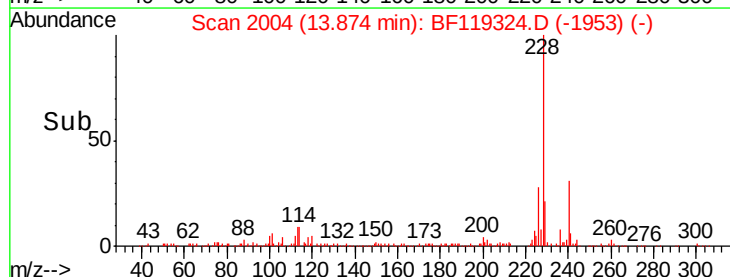
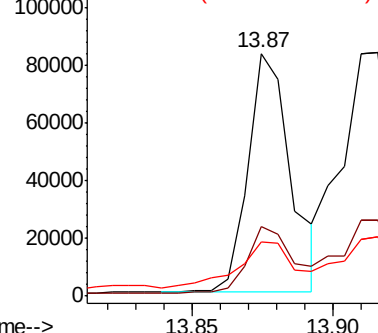
229 22.6 16.6 24.8

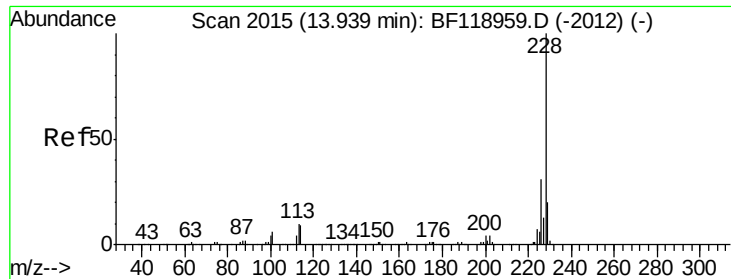


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

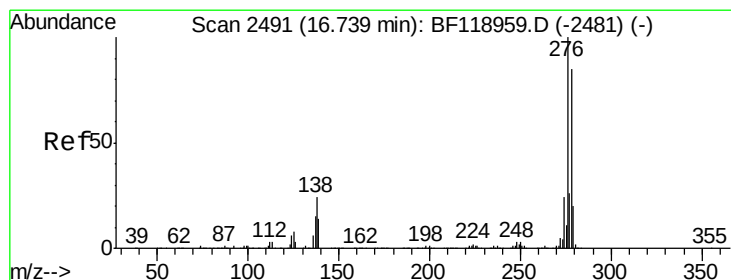
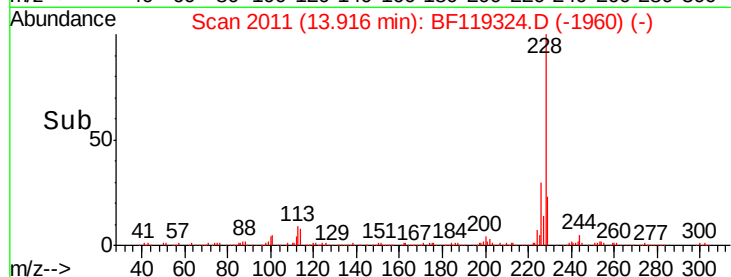
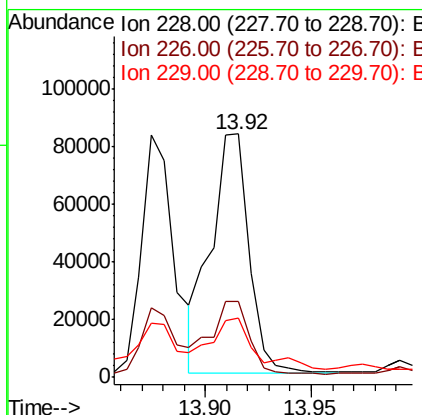
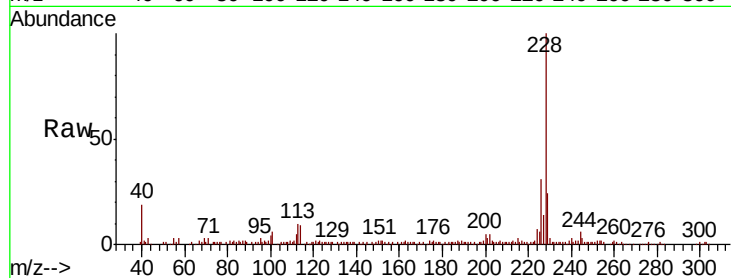




#83
Chrysene
Concen: 6.577 ng
RT: 13.92 min Scan# 2011
Delta R.T. 0.00 min
Lab File: BF119324.D
Acq: 10 Mar 2020 18:51

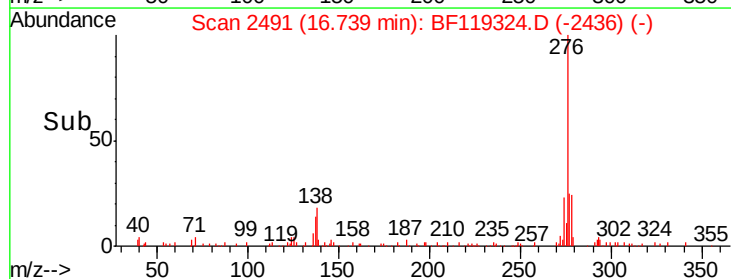
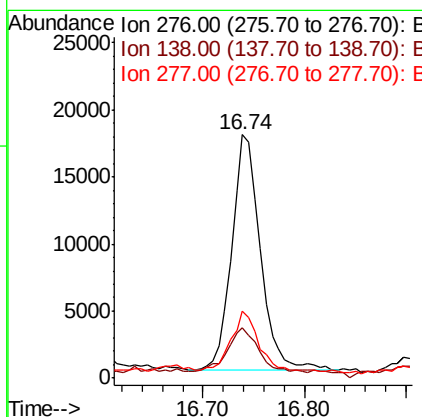
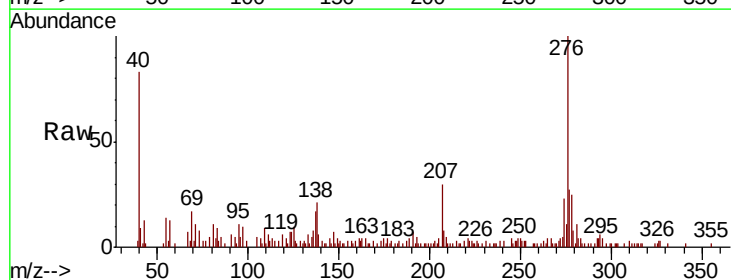
Instrument :
BNA_F
ClientSampleId :

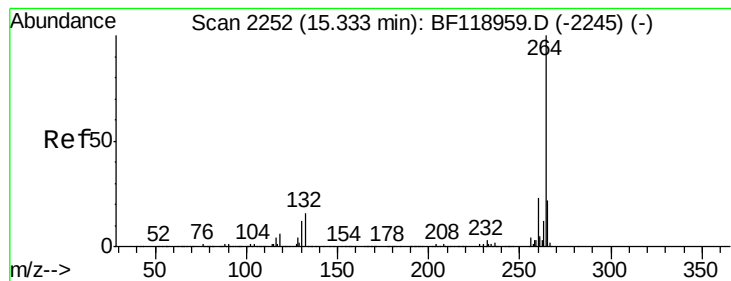
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.1	37.7
229	24.5	16.3	24.5



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.253 ng
RT: 16.74 min Scan# 2491
Delta R.T. 0.02 min
Lab File: BF119324.D
Acq: 10 Mar 2020 18:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.6	17.4	26.0
277	27.2	20.3	30.5



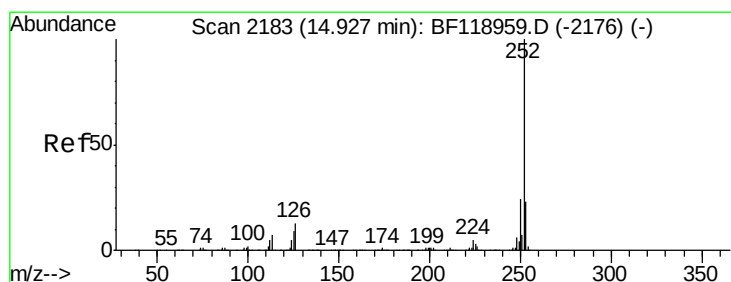
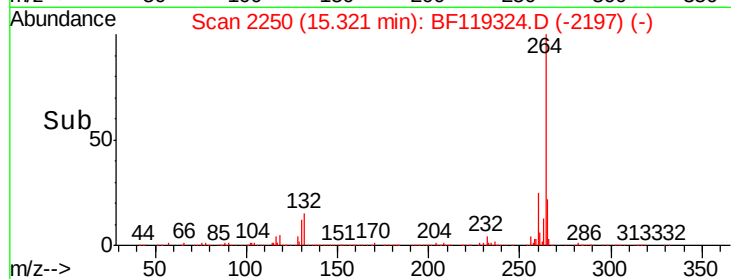
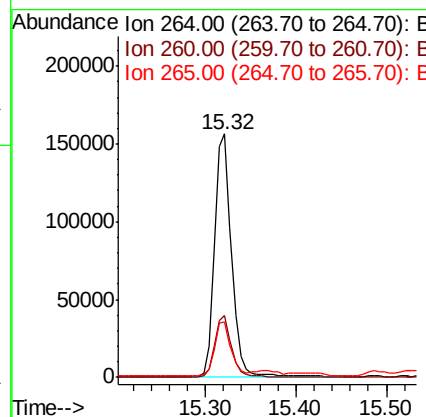
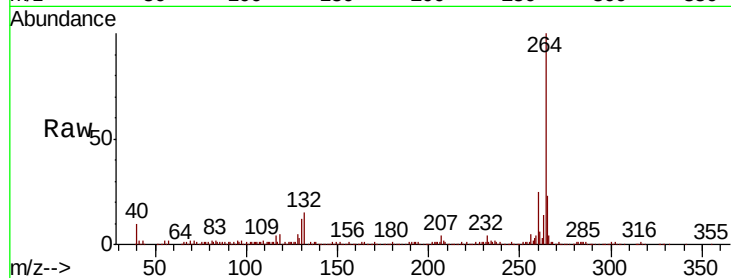


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.01 min
Lab File: BF119324.D
Acq: 10 Mar 2020 18:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 203692

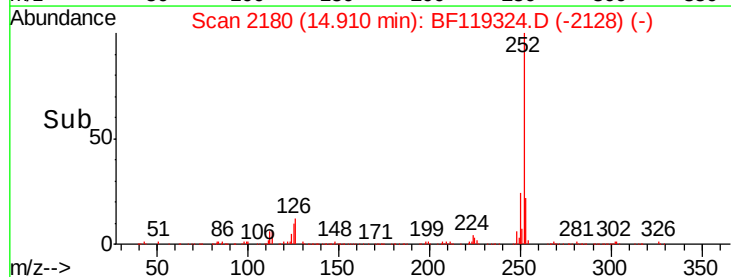
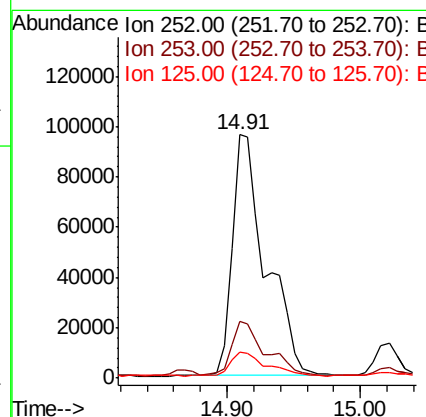
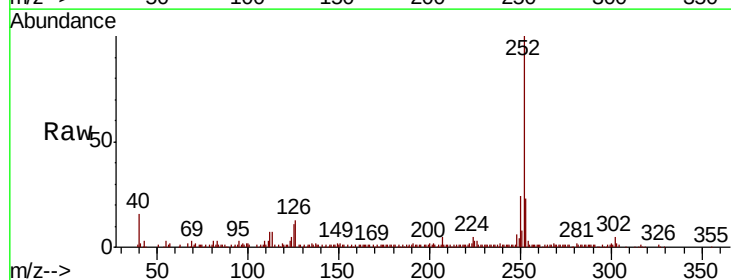
Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.4	29.2
265	22.8	17.7	26.5

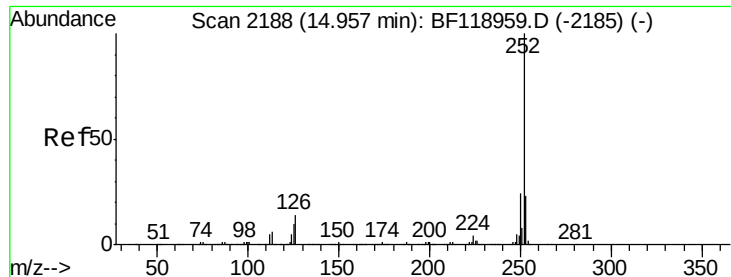


#88
Benzo(b)fluoranthene
Concen: 12.592 ng
RT: 14.91 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BF119324.D
Acq: 10 Mar 2020 18:51

Tgt Ion:252 Resp: 169062

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	10.8	7.4	11.0

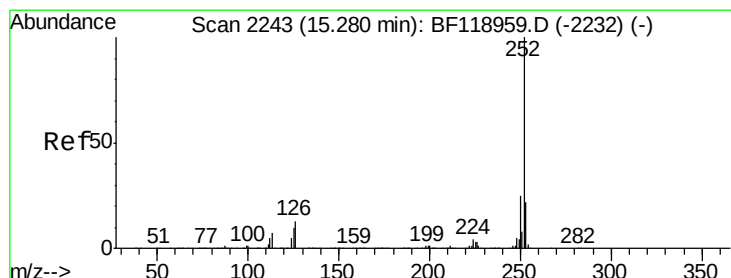
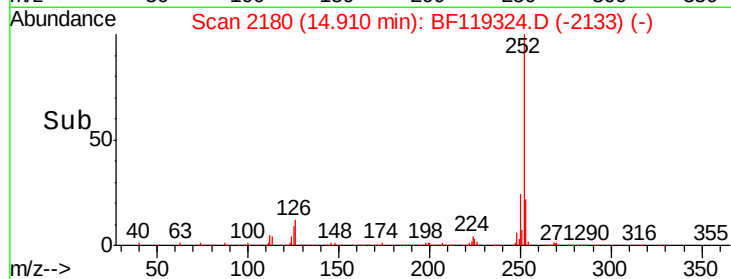
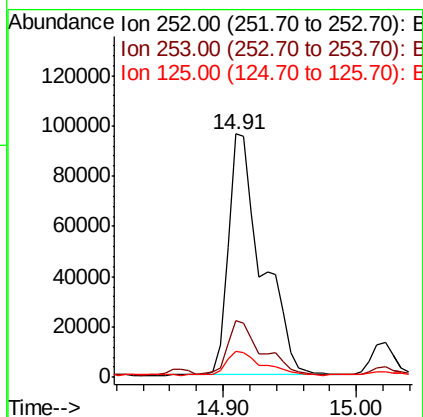
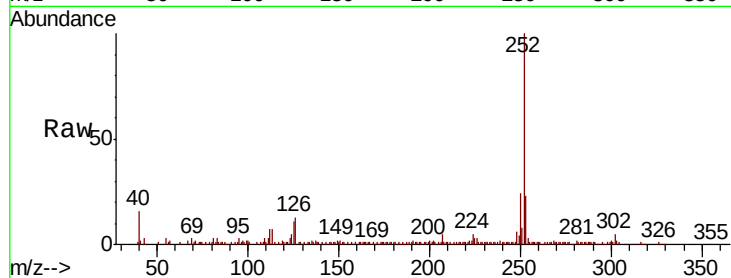




#89
Benzo(k)fluoranthene
Concen: 13.588 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.02 min
Lab File: BF119324.D
Acq: 10 Mar 2020 18:51

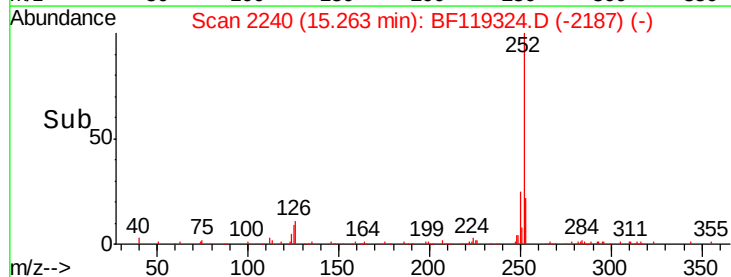
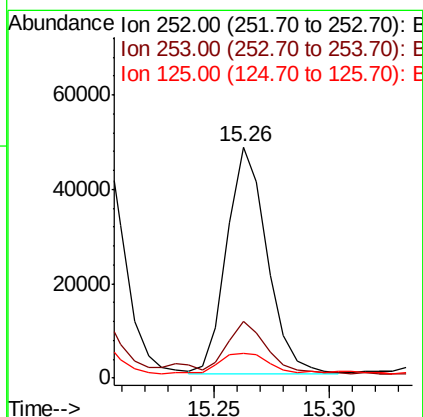
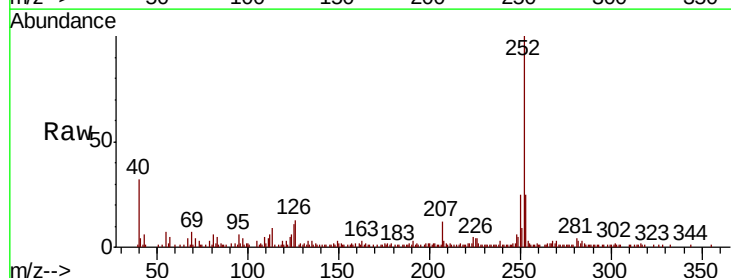
Instrument :
BNA_F
ClientSampleId :

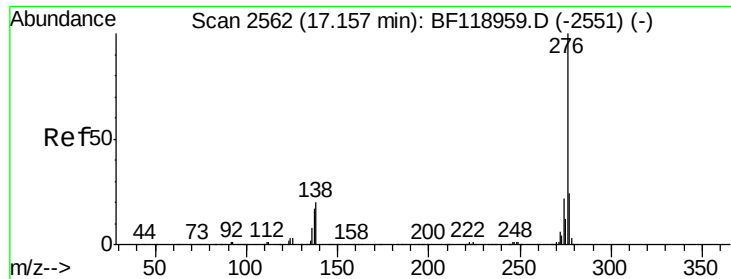
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	10.8	7.5	11.3



#90
Benzo(a)pyrene
Concen: 4.837 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF119324.D
Acq: 10 Mar 2020 18:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.0	27.0
125	10.9	8.6	12.8

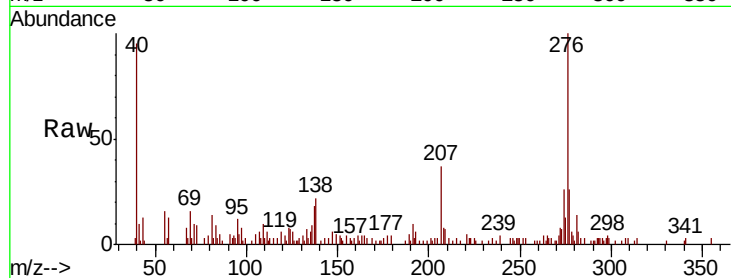




#92
 Benzo(a,h,i)perylene
 Concen: 3.289 ng
 RT: 17.17 min Scan# 2564
 Delta R.T. 0.03 min
 Lab File: BF119324.D
 Acq: 10 Mar 2020 18:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	25.6	18.7	28.1	
138	21.5	14.3	21.5	



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

