

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041020\
 Data File : BF119910.D
 Acq On : 10 Apr 2020 22:15
 Operator : MA/SJ
 Sample : L2199-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 11 01:28:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 10 13:48:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	176814	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	621358	20.00	ng	0.00
39) Acenaphthene-d10	9.79	164	265951	20.00	ng	0.00
64) Phenanthrene-d10	11.28	188	441979	20.00	ng	0.00
76) Chrysene-d12	13.92	240	359783	20.00	ng	0.00
87) Perylene-d12	15.36	264	283473	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	890642	87.05	ng	0.00
7) Phenol-d6	6.39	99	1078264	81.79	ng	0.00
23) Nitrobenzene-d5	7.32	82	636073	52.96	ng	0.00
42) 2,4,6-Tribromophenol	10.59	330	217228	66.71	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	1088891	58.13	ng	0.00
79) Terphenyl-d14	12.87	244	985177	46.08	ng	0.00

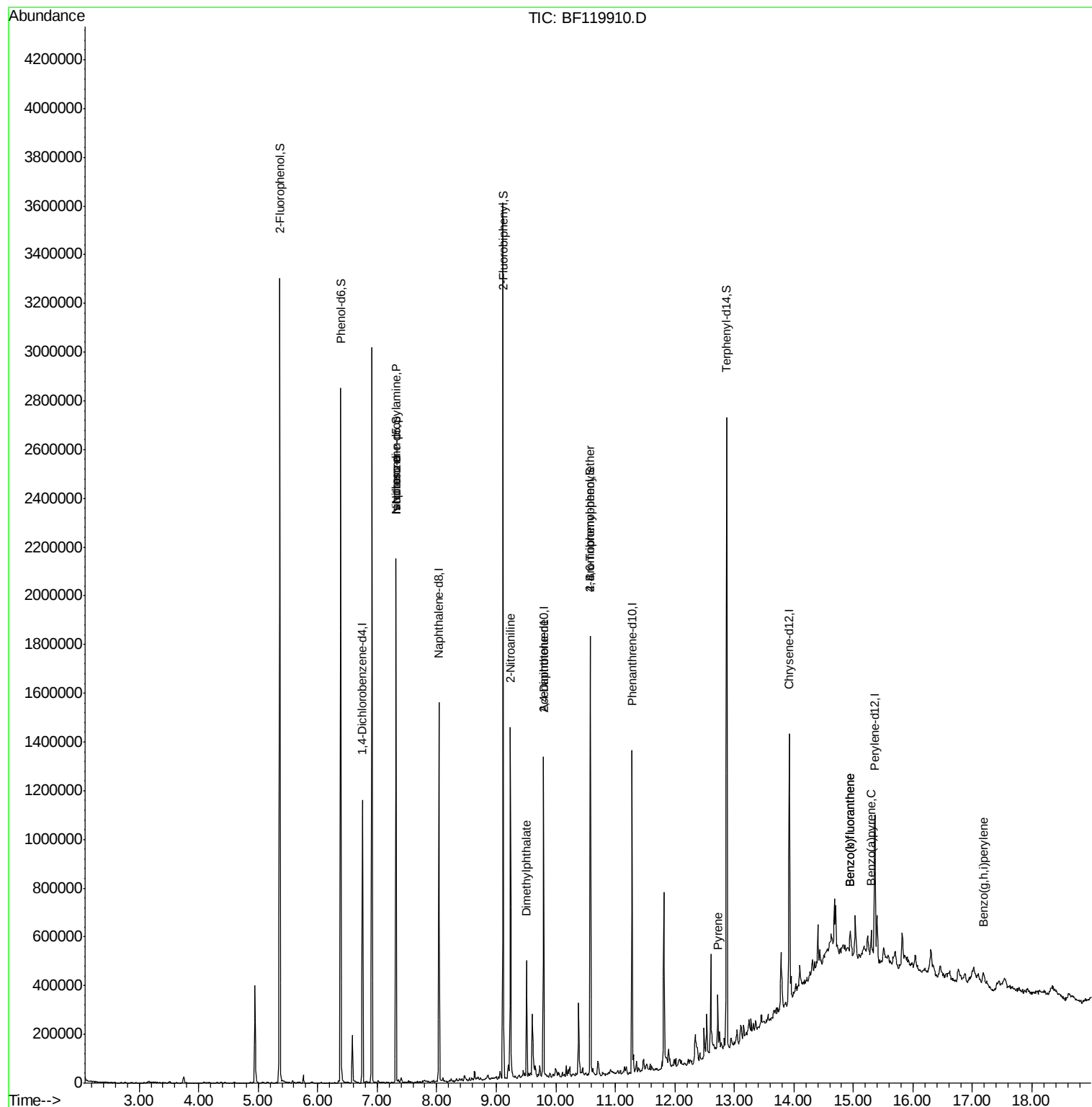
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.39	77	1414	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.32	70	83707	9.874	ng	# 74
25) Isophorone	7.32	82	633076	27.343	ng	# 65
48) 2-Nitroaniline	9.24	65	13692	2.185	ng	# 17
50) Dimethylphthalate	9.51	163	168426	8.188	ng	# 99
57) 2,4-Dinitrotoluene	9.79	165	33600	5.661	ng	# 23
67) 4-Bromophenyl-phenylether	10.58	248	13858	2.521	ng	# 1
78) Pyrene	12.72	202	86149	2.840	ng	# 97
88) Benzo(b)fluoranthene	14.94	252	60142	2.949	ng	# 83
89) Benzo(k)fluoranthene	14.94	252	60142	3.418	ng	# 84
90) Benzo(a)pyrene	15.30	252	43918	2.561	ng	# 92
92) Benzo(a,h,i)perylene	17.19	276	39530	2.637	ng	# 90

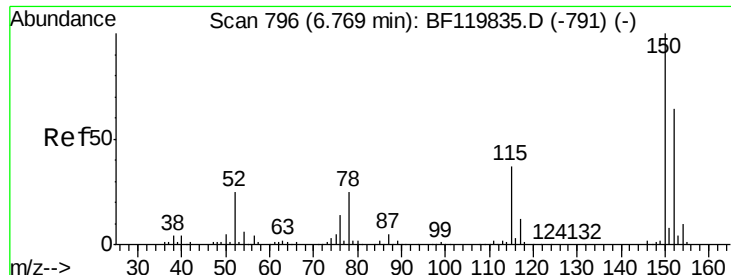
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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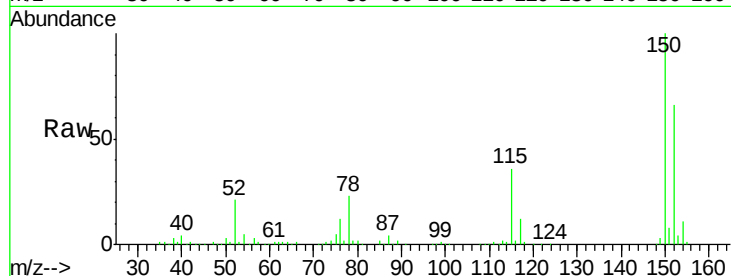


#1

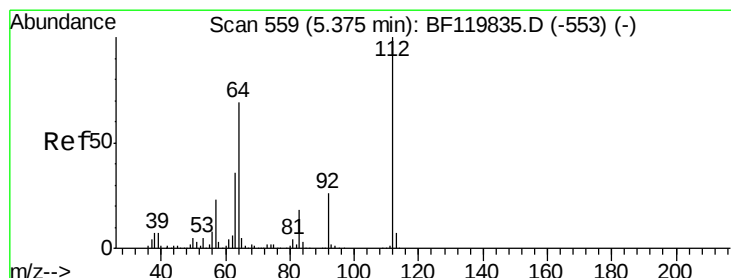
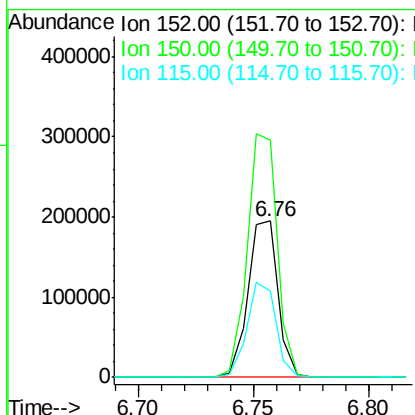
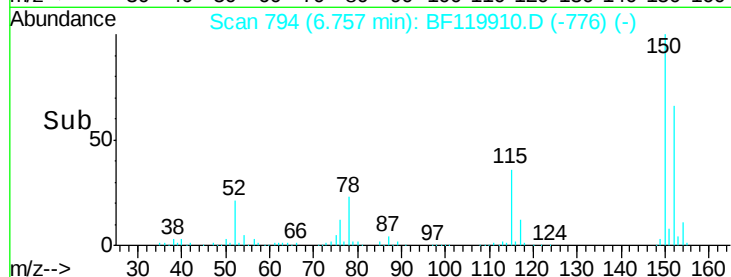
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. 0.01 min
Lab File: BF119910.D
Acq: 10 Apr 2020 22:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 176814
Ion Ratio Lower Upper
152 100
150 151.9 124.8 187.2
115 54.8 46.5 69.7



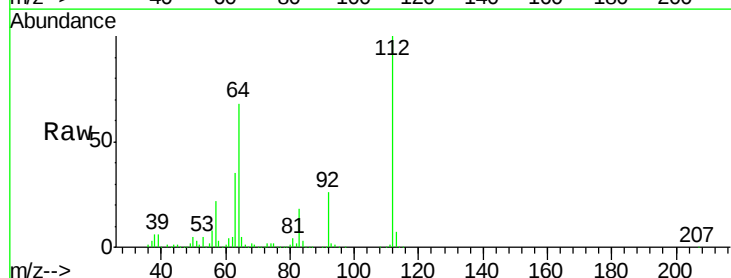
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



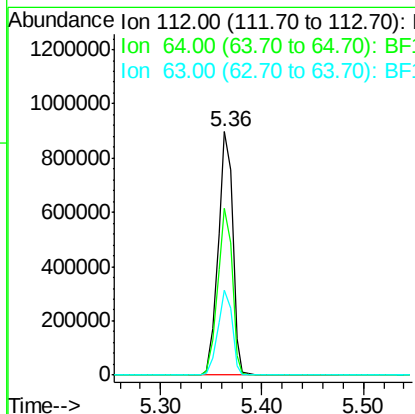
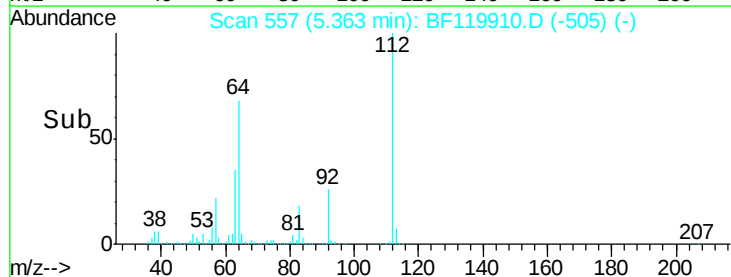
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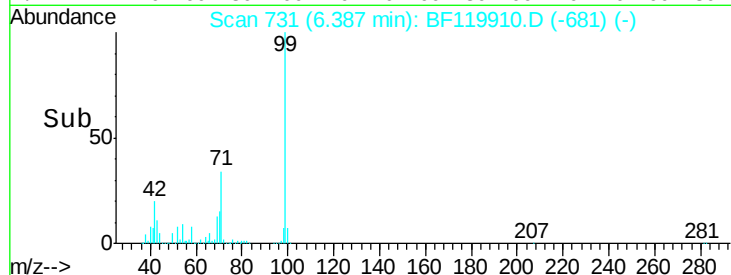
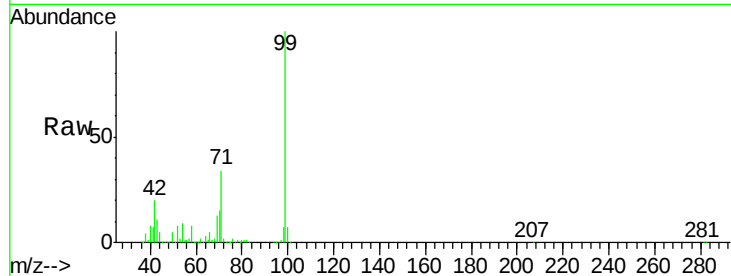
2-Fluorophenol
Concen: 87.052 ng
RT: 5.36 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF119910.D
Acq: 10 Apr 2020 22:15

Tgt Ion:112 Resp: 890642
Ion Ratio Lower Upper
112 100
64 68.3 55.5 83.3
63 34.9 29.1 43.7



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: 81.789 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF119910.D

Acq: 10 Apr 2020 22:15

Instrument :

BNA_F

ClientSampleId :

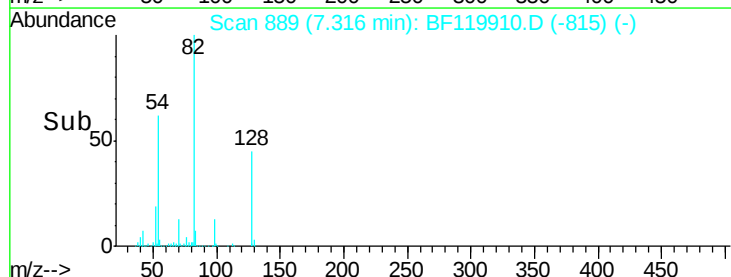
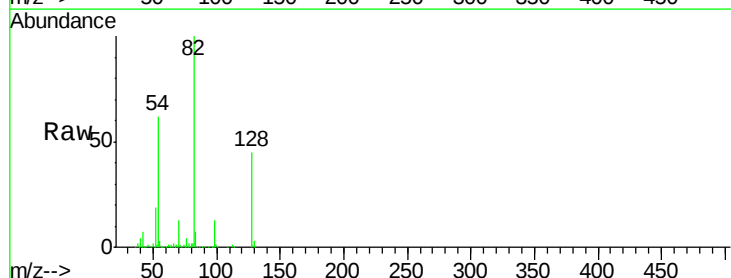
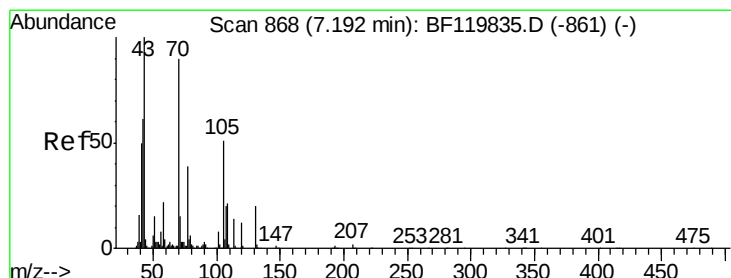
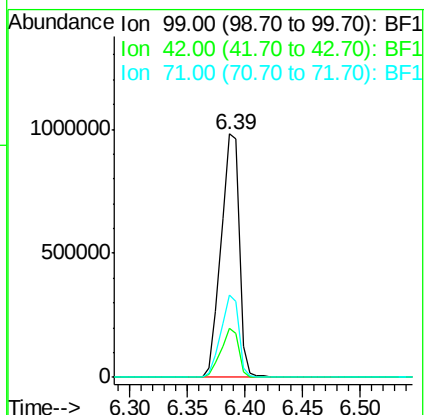
Tot Ion: 99 Resp: 1078264

Ion Ratio Lower Upper

99 100

42 20.4 16.9 25.3

71 33.9 26.3 39.5



#19

n-Nitroso-di-n-propylamine

Concen: 9.874 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.14 min

Lab File: BF119910.D

Acq: 10 Apr 2020 22:15

Tgt Ion: 70 Resp: 83707

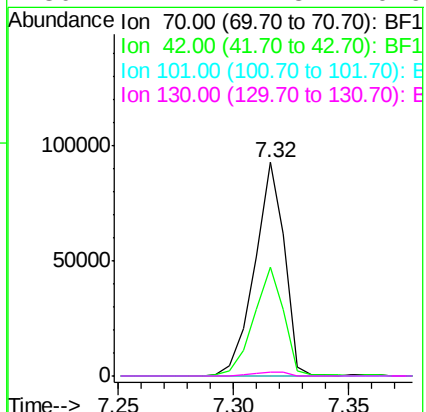
Ion Ratio Lower Upper

70 100

42 51.1 54.2 81.4#

101 0.0 7.4 11.2#

130 2.1 17.8 26.6#

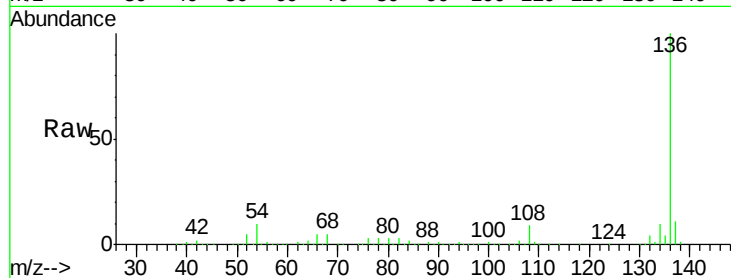




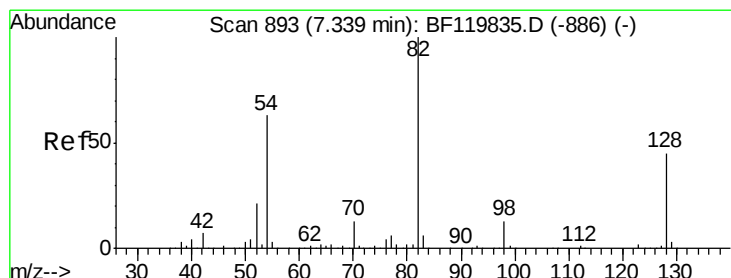
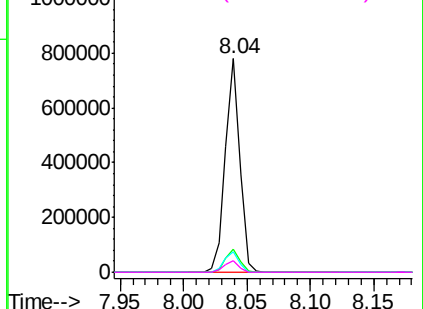
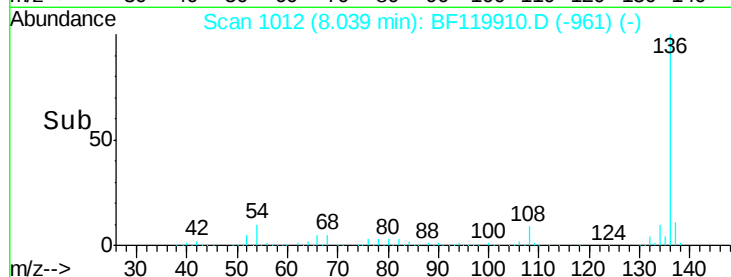
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.04 min Scan# 1012
Delta R.T. 0.00 min
Lab File: BF119910.D
Acq: 10 Apr 2020 22:15

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	621358
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.7 13.1
54	9.8	8.5 12.7
68	5.4	3.9 5.9

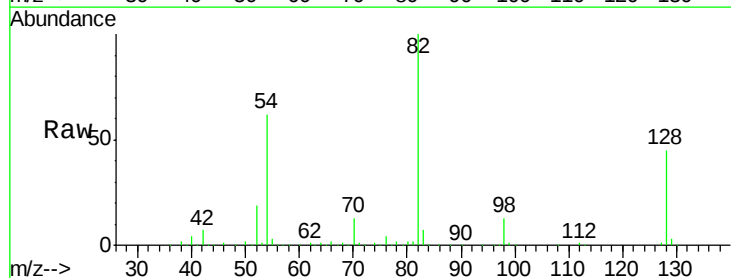


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

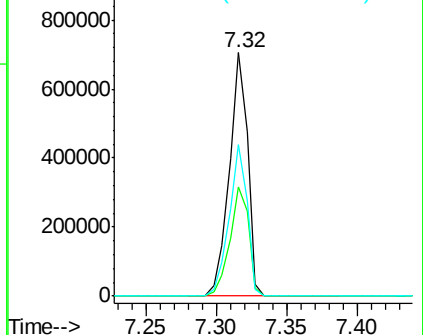
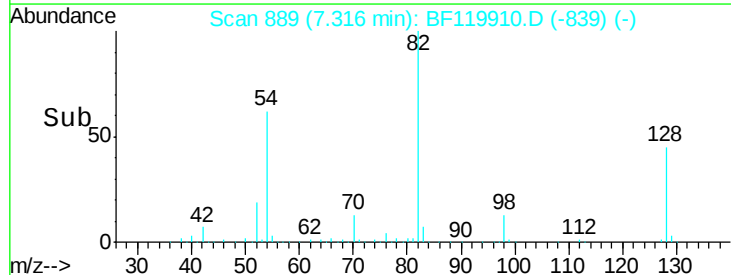


#23
Nitrobenzene-d5
Concen: 52.959 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF119910.D
Acq: 10 Apr 2020 22:15

Tgt Ion: 82	Resp:	636073
Ion Ratio	Lower	Upper
82	100	
128	44.9	36.2 54.4
54	62.0	50.4 75.6



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: 27.343 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.26 min

Lab File: BF119910.D

Acq: 10 Apr 2020 22:15

Instrument :

BNA_F

ClientSampleId :

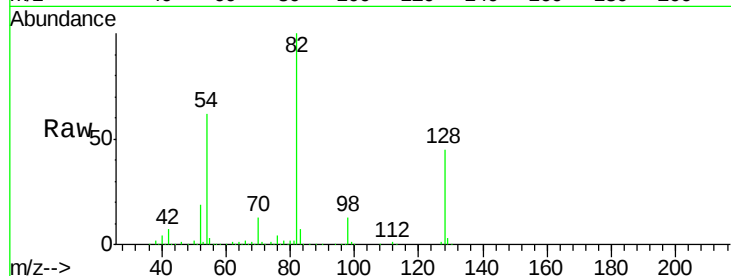
Tot Ion: 82 Resp: 633076

Ion Ratio Lower Upper

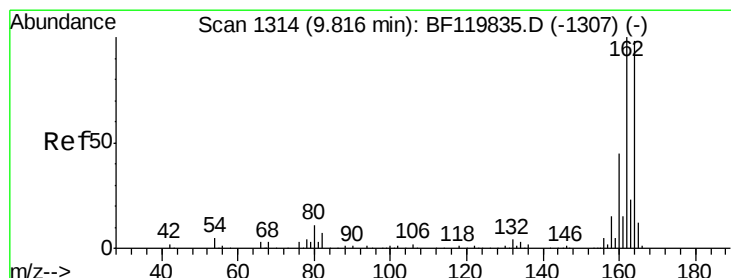
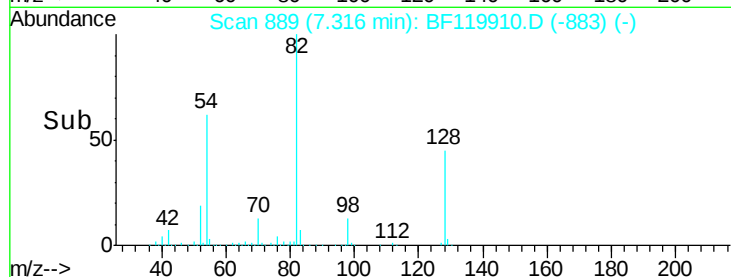
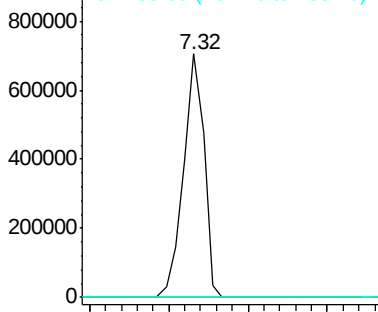
82 100

95 0.0 5.8 8.6#

138 0.0 14.5 21.7#



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: 20.000 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF119910.D

Acq: 10 Apr 2020 22:15

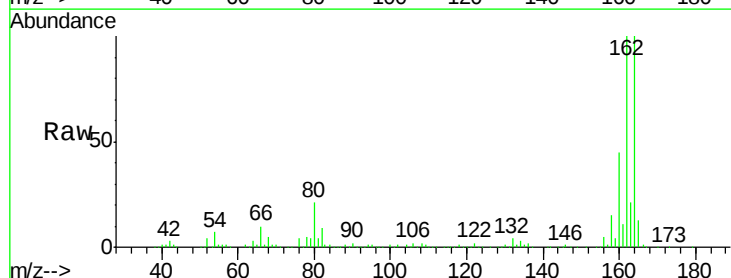
Tgt Ion:164 Resp: 265951

Ion Ratio Lower Upper

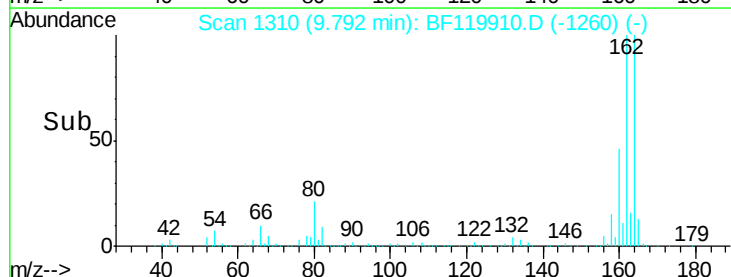
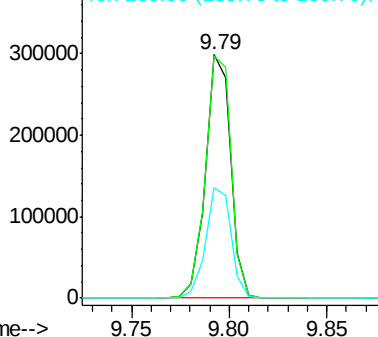
164 100

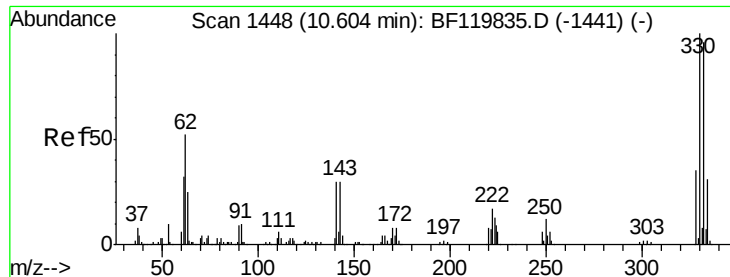
162 99.6 81.9 122.9

160 45.3 36.6 54.8



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

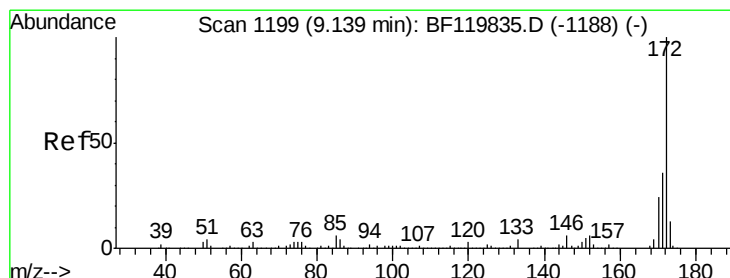
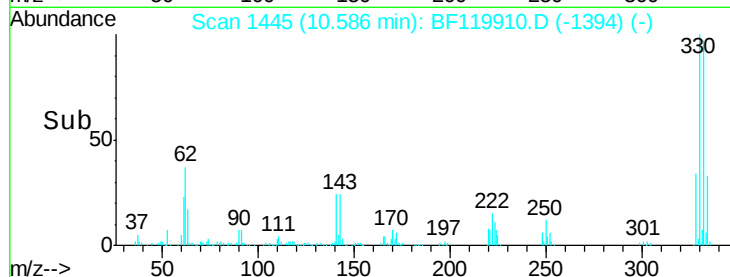
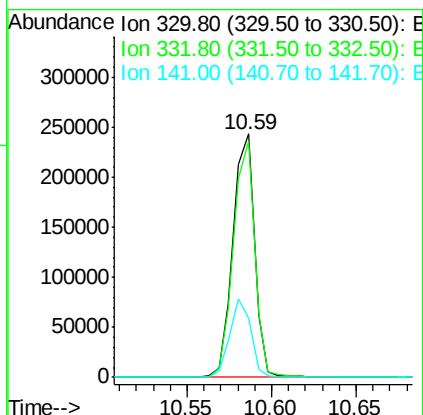
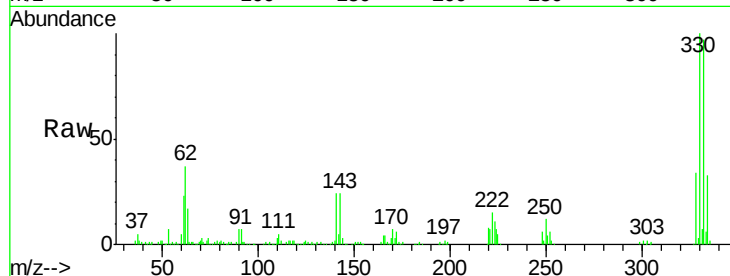




#42
 2,4,6-Tribromophenol
 Concen: 66.713 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. 0.00 min
 Lab File: BF119910.D
 Acq: 10 Apr 2020 22:15

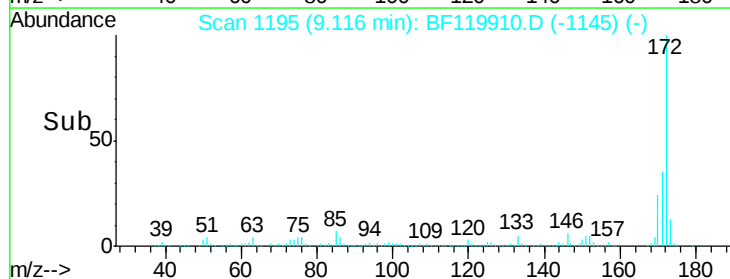
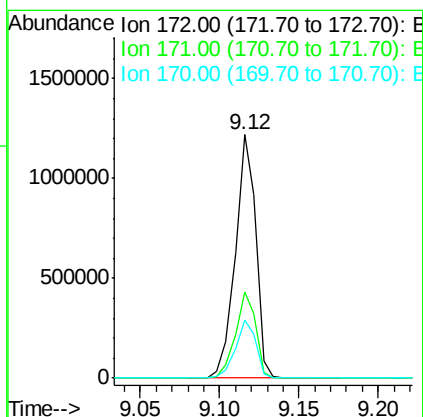
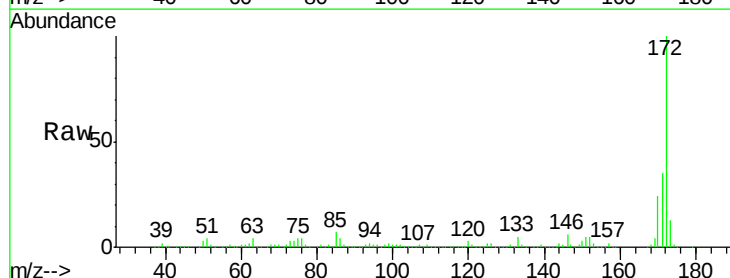
Instrument :
 BNA_F
 ClientSampleId :

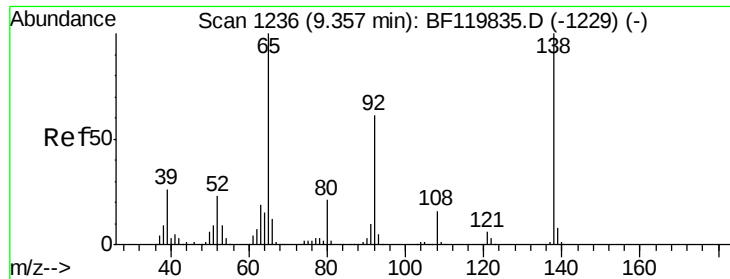
Tot Ion:330 Resp: 217228
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.8 115.2
 141 30.8 25.1 37.7



#45
 2-Fluorobiphenyl
 Concen: 58.131 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF119910.D
 Acq: 10 Apr 2020 22:15

Tgt Ion:172 Resp: 1088891
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.9 43.3
 170 23.8 19.4 29.2

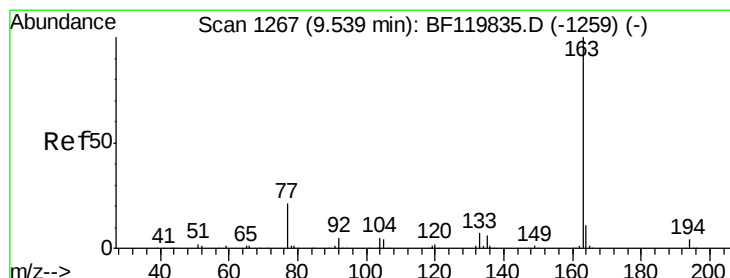
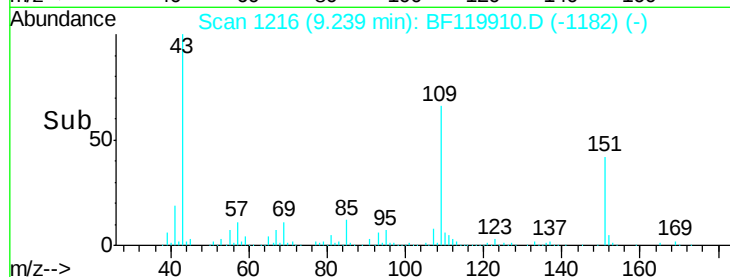
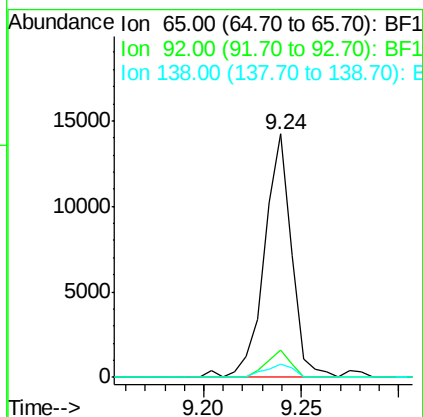
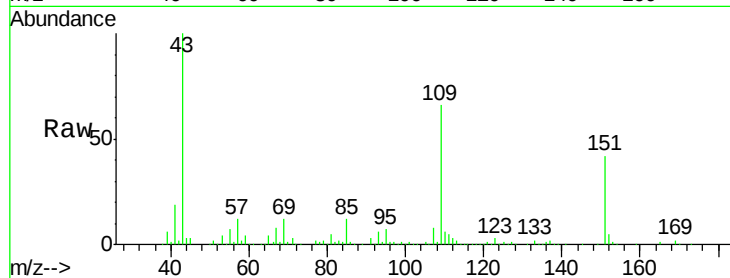




#48
2-Nitroaniline
Concen: 2.185 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.10 min
Lab File: BF119910.D
Acq: 10 Apr 2020 22:15

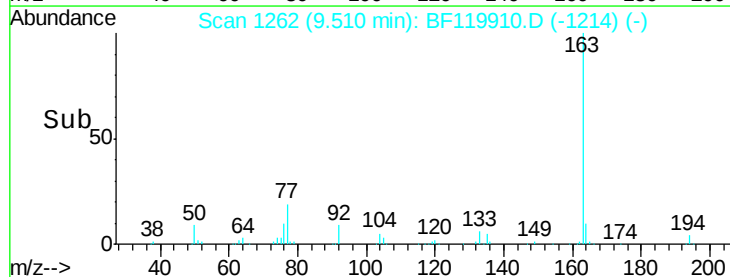
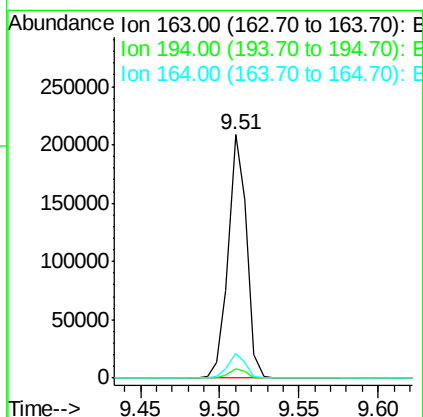
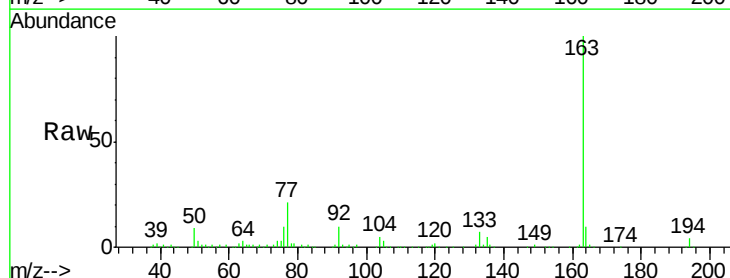
Instrument :
BNA_F
ClientSampleId :

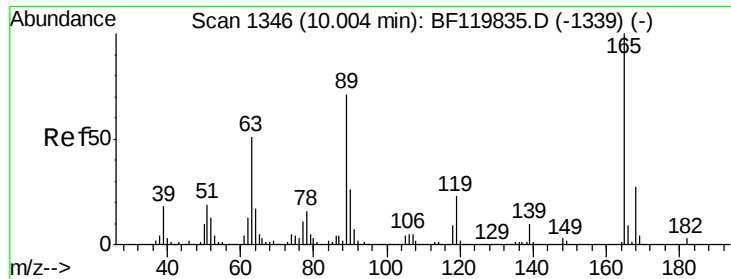
Tot Ion: 65 Resp: 13692
Ion Ratio Lower Upper
65 100
92 11.3 49.0 73.6#
138 5.7 79.7 119.5#



#50
Dimethylphthalate
Concen: 8.188 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF119910.D
Acq: 10 Apr 2020 22:15

Tgt Ion:163 Resp: 168426
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.4
164 9.9 8.4 12.6

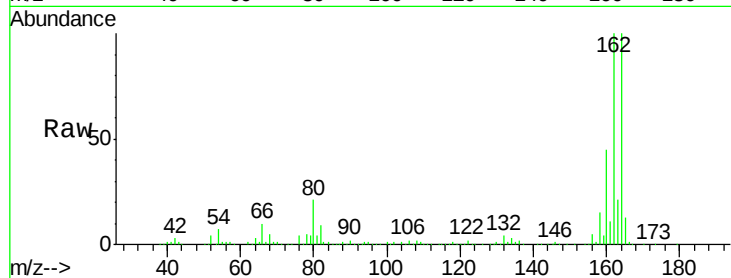




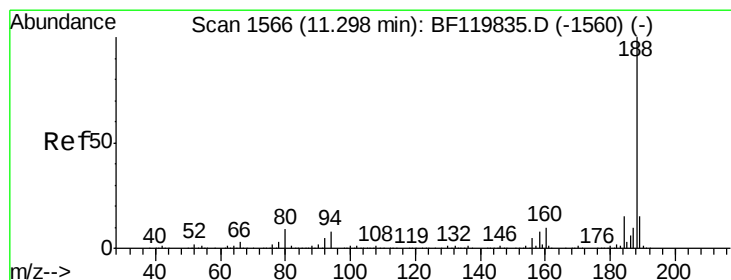
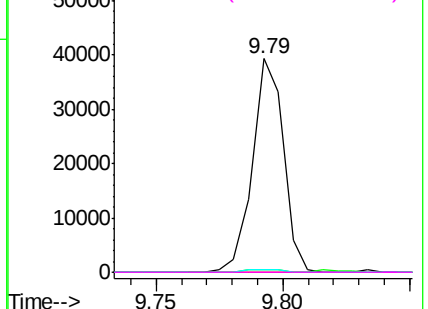
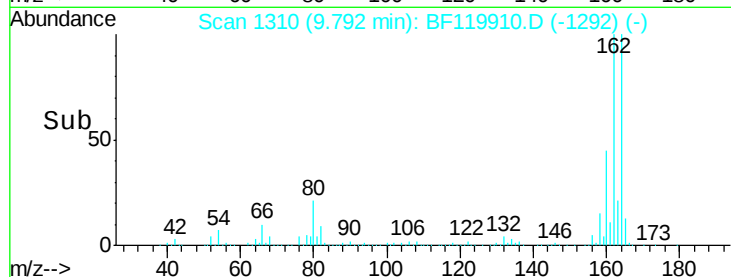
#57
 2,4-Dinitrotoluene
 Concen: 5.661 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF119910.D
 Acq: 10 Apr 2020 22:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 33600
 Ion Ratio Lower Upper
 165 100
 63 1.5 40.8 61.2#
 89 1.4 56.9 85.3#
 182 0.0 2.0 3.0#

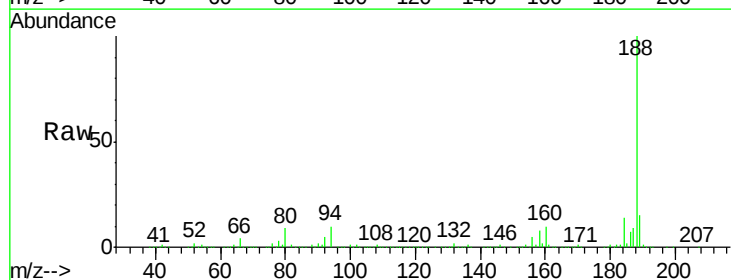


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

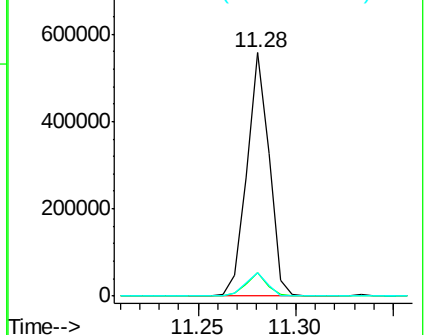
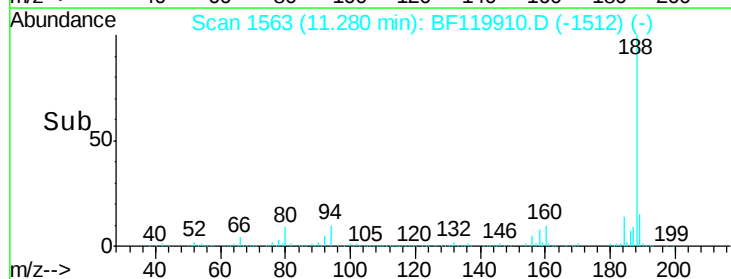


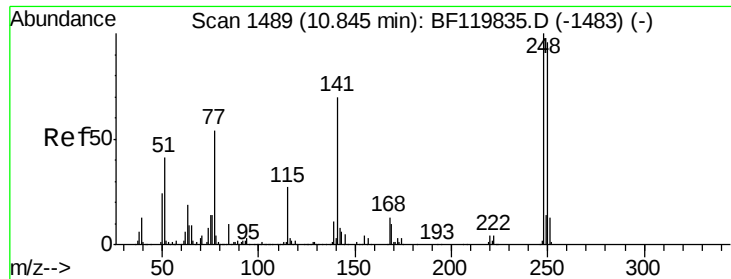
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: BF119910.D
 Acq: 10 Apr 2020 22:15

Tgt Ion:188 Resp: 441979
 Ion Ratio Lower Upper
 188 100
 94 9.8 6.7 10.1
 80 9.5 7.4 11.2



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

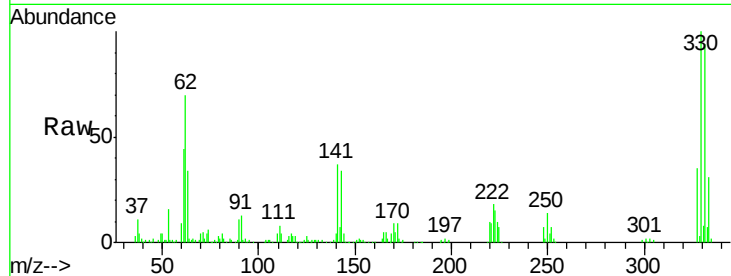




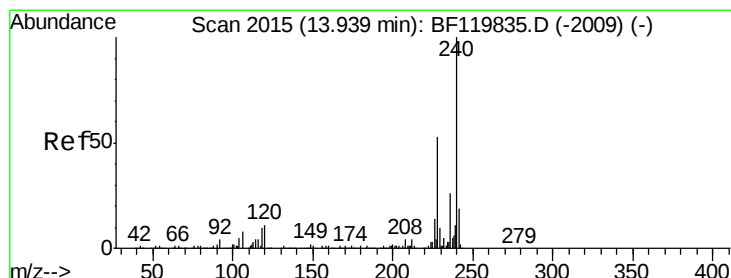
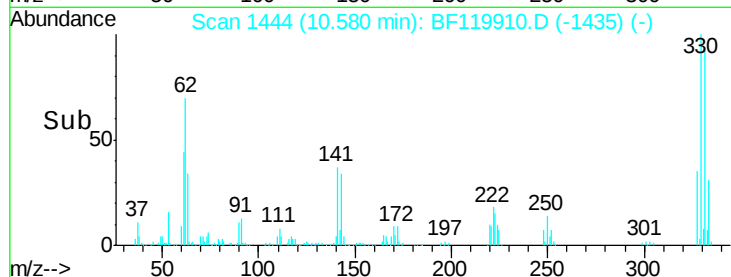
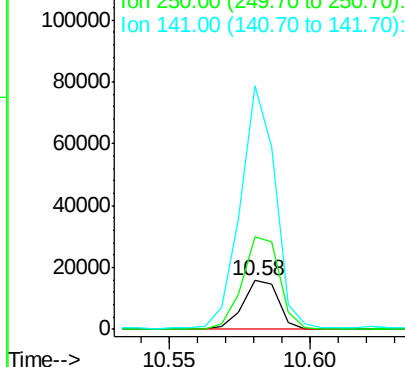
#67
4-Bromophenyl-phenylether
Concen: 2.521 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.25 min
Lab File: BF119910.D
Acq: 10 Apr 2020 22:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 13858
Ion Ratio Lower Upper
248 100
250 190.0 76.6 114.8#
141 499.6 55.9 83.9#

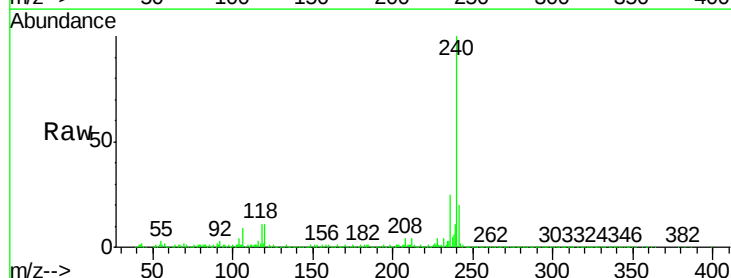


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

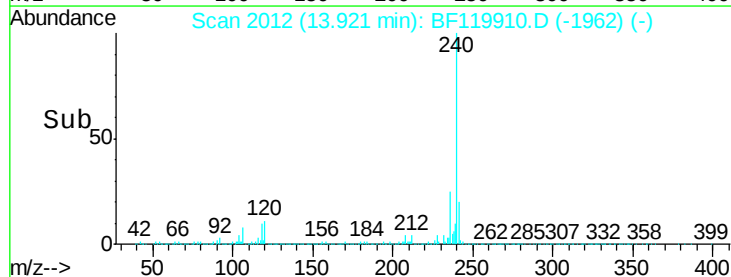
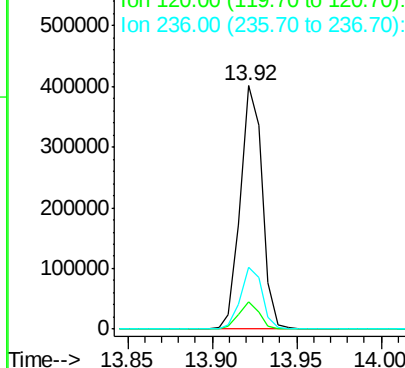


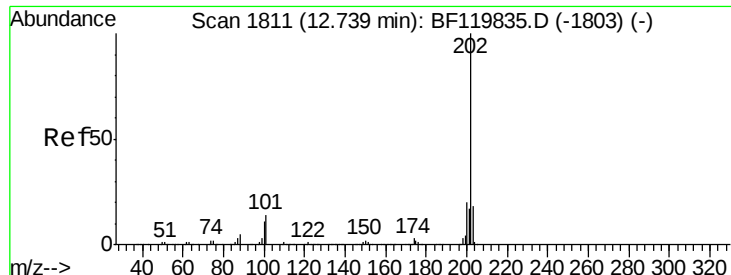
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF119910.D
Acq: 10 Apr 2020 22:15

Tgt Ion:240 Resp: 359783
Ion Ratio Lower Upper
240 100
120 11.5 9.0 13.6
236 25.3 20.7 31.1



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

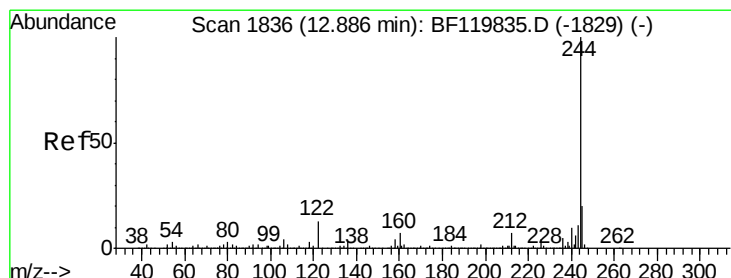
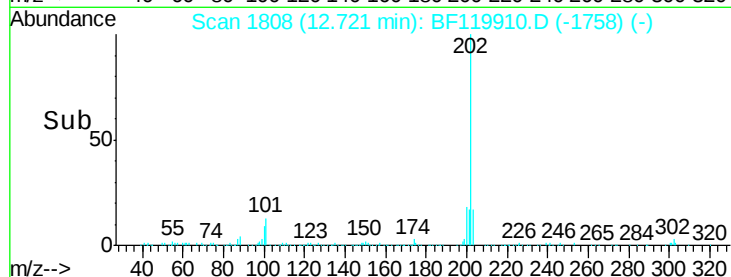
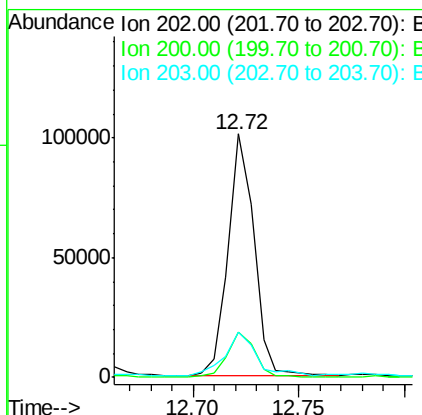
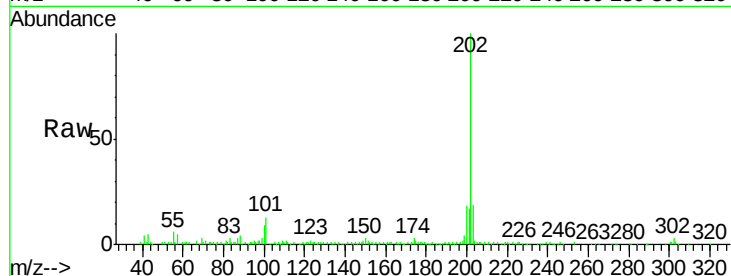




#78
Pvrene
Concen: 2.840 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF119910.D
Acq: 10 Apr 2020 22:15

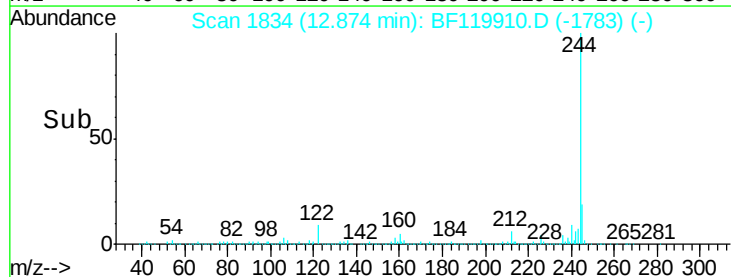
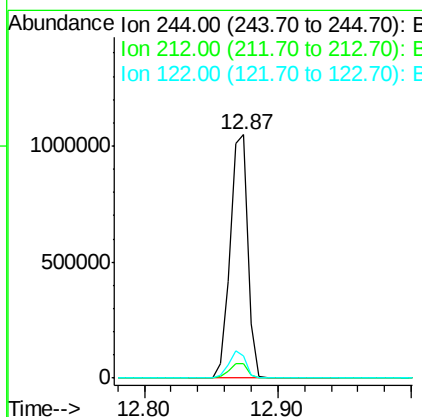
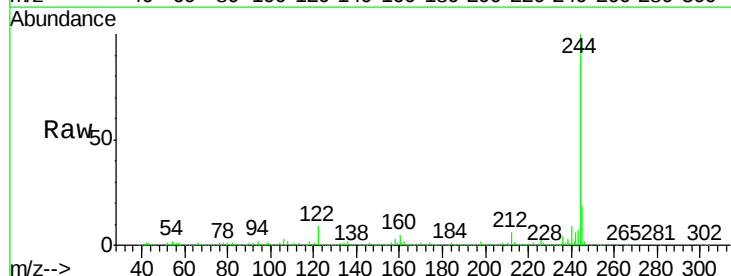
Instrument :
BNA_F
ClientSampled :

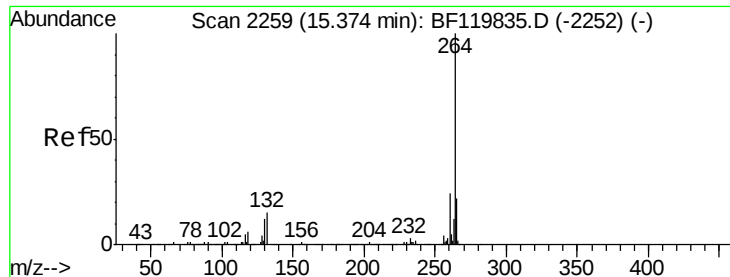
Tot Ion	Ratio	Lower	Upper
202	100		
200	18.4	16.2	24.2
203	18.7	14.1	21.1



#79
Terphenyl-d14
Concen: 46.075 ng
RT: 12.87 min Scan# 1834
Delta R.T. 0.00 min
Lab File: BF119910.D
Acq: 10 Apr 2020 22:15

Tgt Ion	Ratio	Lower	Upper
244	100		
212	5.9	5.4	8.0
122	9.1	10.3	15.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.36 min Scan# 2257

Delta R.T. 0.01 min

Lab File: BF119910.D

Acq: 10 Apr 2020 22:15

Instrument :

BNA_F

ClientSampleId :

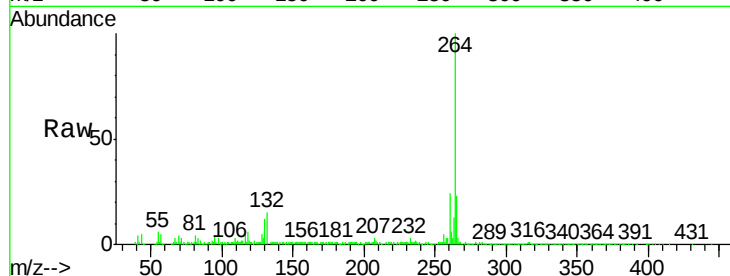
Tot Ion:264 Resp: 283473

Ion Ratio Lower Upper

264 100

260 24.3 19.3 28.9

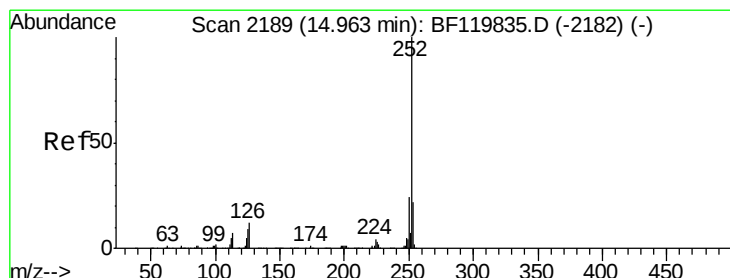
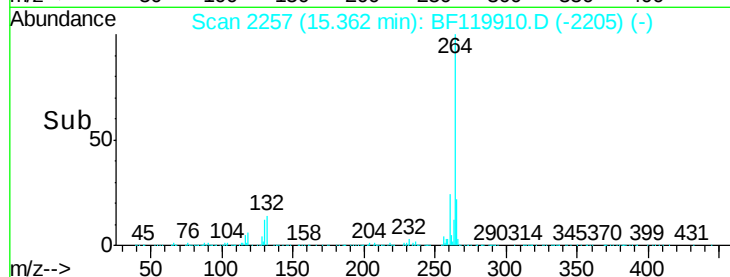
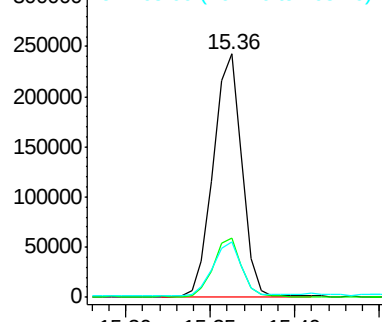
265 22.7 17.6 26.4



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: 2.949 ng

RT: 14.94 min Scan# 2186

Delta R.T. 0.00 min

Lab File: BF119910.D

Acq: 10 Apr 2020 22:15

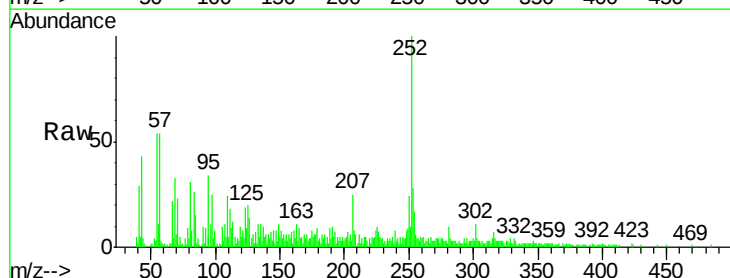
Tgt Ion:252 Resp: 60142

Ion Ratio Lower Upper

252 100

253 28.0 17.7 26.5#

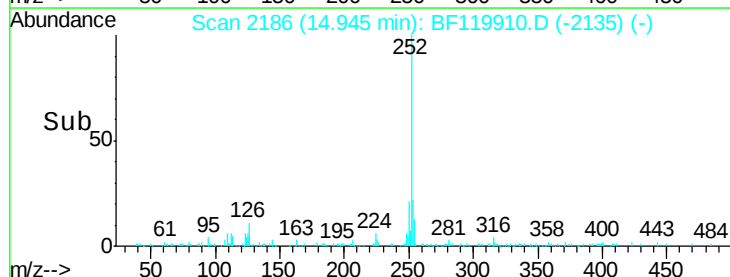
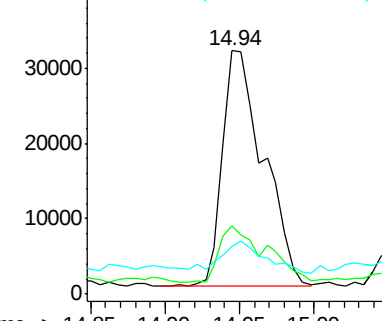
125 19.5 7.4 11.2#

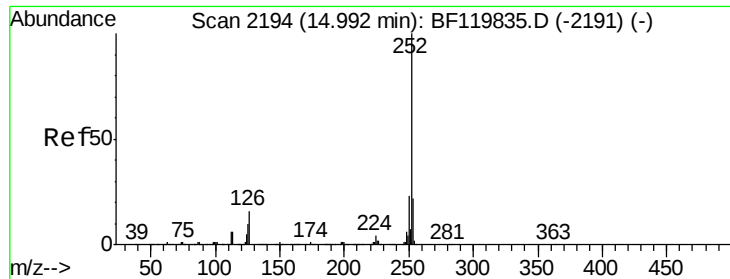


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

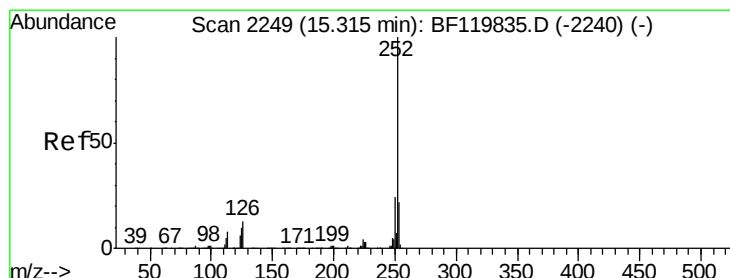
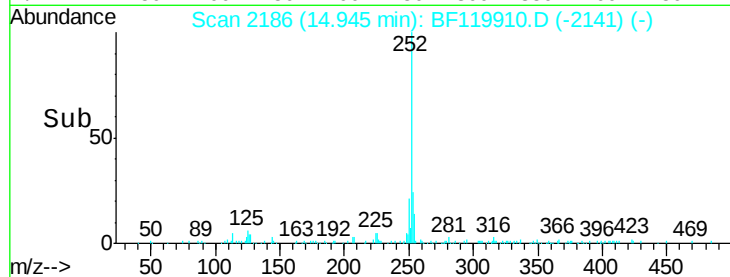
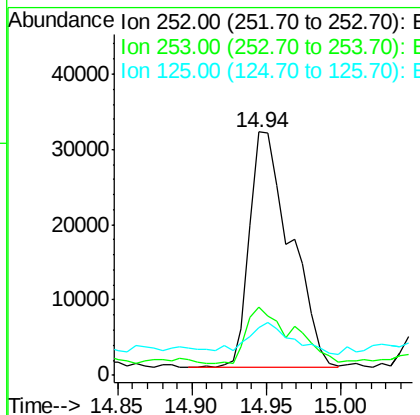
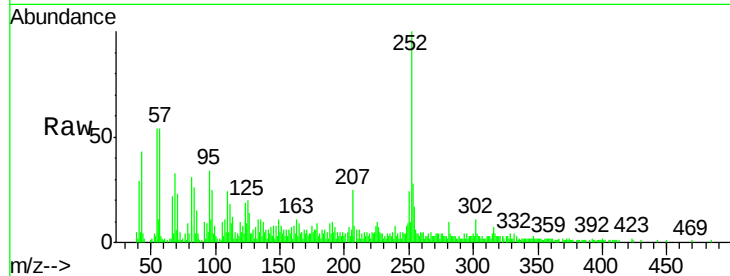




#89
Benzo(k)fluoranthene
Concen: 3.418 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.04 min
Lab File: BF119910.D
Acq: 10 Apr 2020 22:15

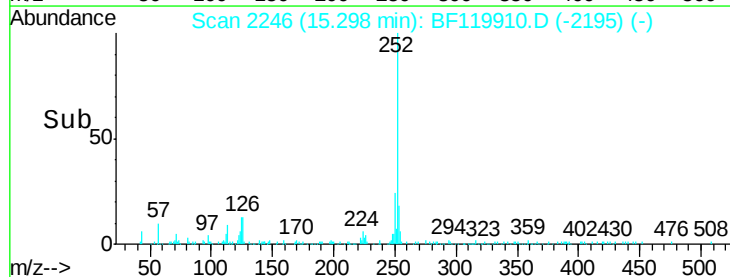
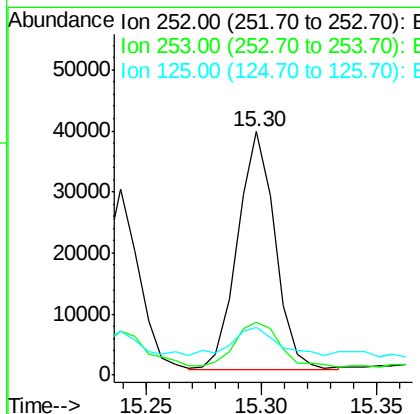
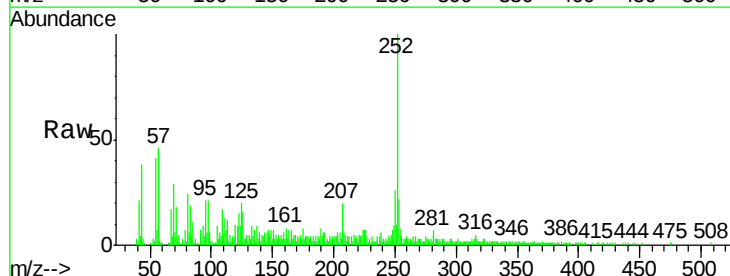
Instrument :
BNA_F
ClientSampleId :

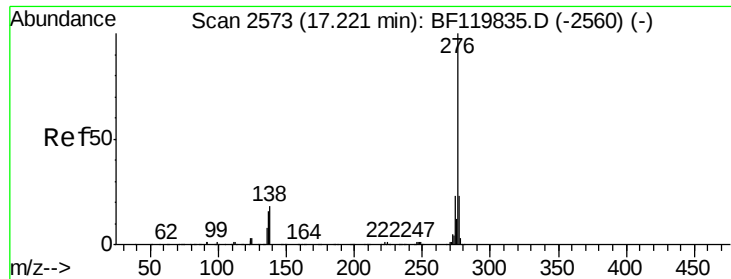
Tot Ion:252 Resp: 60142
Ion Ratio Lower Upper
252 100
253 28.0 17.8 26.8#
125 19.5 7.7 11.5#



#90
Benzo(a)pyrene
Concen: 2.561 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.00 min
Lab File: BF119910.D
Acq: 10 Apr 2020 22:15

Tgt Ion:252 Resp: 43918
Ion Ratio Lower Upper
252 100
253 21.6 17.4 26.2
125 19.7 8.3 12.5#





#92
 Benzo(a,h,i)perylene
 Concen: 2.637 ng
 RT: 17.19 min Scan# 2567
 Delta R.T. -0.01 min
 Lab File: BF119910.D
 Acq: 10 Apr 2020 22:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.4	18.5	27.7
138	24.1	14.6	22.0

