

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040820\
 Data File : BF119880.D
 Acq On : 9 Apr 2020 20:05
 Operator : MA/SJ
 Sample : L2166-05
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 01:30:31 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 09 01:21:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	159755	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	625725	20.00	ng	0.00
39) Acenaphthene-d10	9.81	164	272350	20.00	ng	0.00
64) Phenanthrene-d10	11.29	188	408924	20.00	ng	0.00
76) Chrysene-d12	13.93	240	287147	20.00	ng	0.00
87) Perylene-d12	15.37	264	290564	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	1397056	151.13	ng	0.01
7) Phenol-d6	6.41	99	1815869	152.45	ng	0.00
23) Nitrobenzene-d5	7.33	82	1096341	90.64	ng	0.00
42) 2,4,6-Tribromophenol	10.60	330	373407	111.98	ng	0.00
45) 2-Fluorobiphenyl	9.13	172	1818973	94.82	ng	0.00
79) Terphenyl-d14	12.89	244	1451328	85.05	ng	0.00

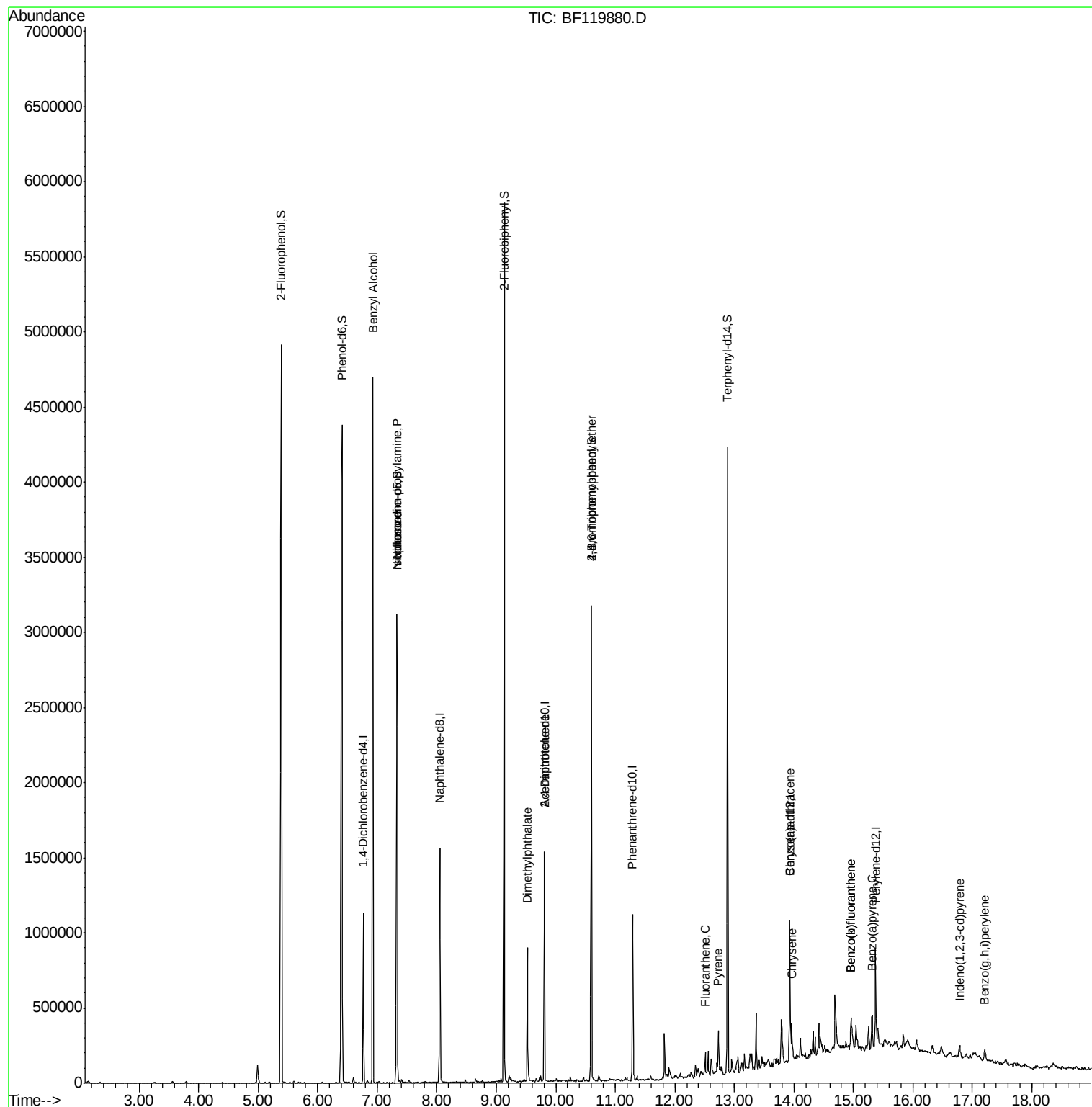
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.32	77	539	Below Cal		# 77
15) Benzyl Alcohol	6.93	79	18694	2.021	ng	# 45
19) n-Nitroso-di-n-propylamine	7.33	70	145120	18.946	ng	# 76
25) Isophorone	7.33	82	1092053	46.837	ng	# 65
50) Dimethylphthalate	9.53	163	331856	15.753	ng	98
57) 2,4-Dinitrotoluene	9.81	165	36230	5.961	ng	# 22
67) 4-Bromophenyl-phenylether	10.60	248	23211	4.564	ng	# 1
75) Fluoranthene	12.51	202	59847	2.549	ng	96
78) Pyrene	12.73	202	114135	4.715	ng	97
81) Benzo(a)anthracene	13.93	228	104606	5.538	ng	96
83) Chrysene	13.96	228	110771	5.771	ng	99
86) Indeno(1,2,3-cd)pyrene	16.79	276	53792	3.179	ng	96
88) Benzo(b)fluoranthene	14.96	252	150530	7.202	ng	98
89) Benzo(k)fluoranthene	14.96	252	150530	8.347	ng	98
90) Benzo(a)pyrene	15.32	252	113729	6.471	ng	98
92) Benzo(g,h,i)perylene	17.21	276	56407	3.671	ng	99

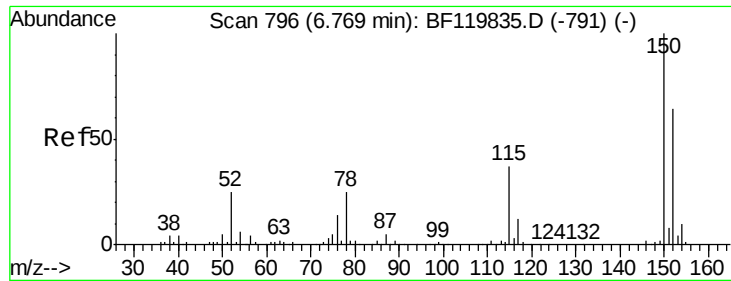
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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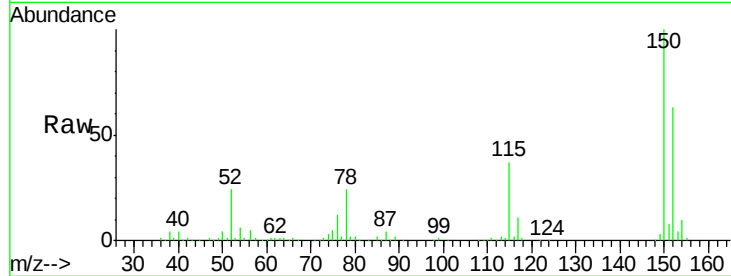


#1

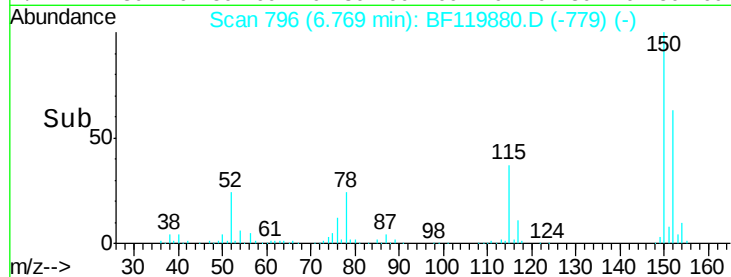
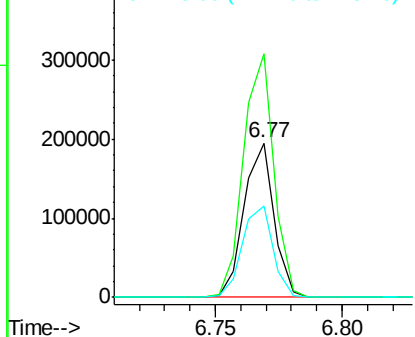
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF119880.D
Acq: 9 Apr 2020 20:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.8	187.2
115	59.0	46.5	69.7



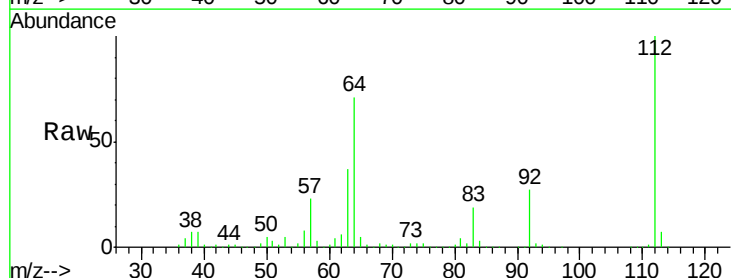
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



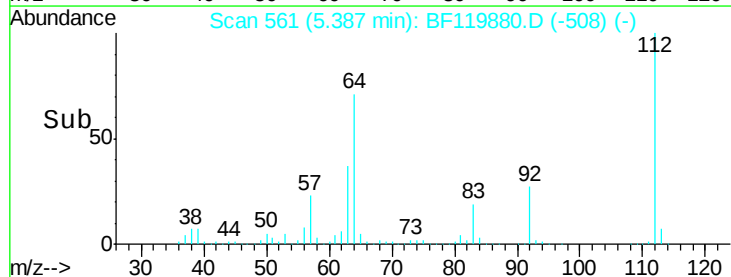
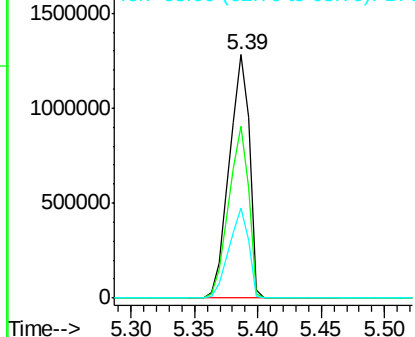
#5

2-Fluorophenol
Concen: 151.129 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF119880.D
Acq: 9 Apr 2020 20:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.9	55.5	83.3
63	37.2	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: 152.447 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.01 min

Lab File: BF119880.D

Acq: 9 Apr 2020 20:05

Instrument :

BNA_F

ClientSampleId :

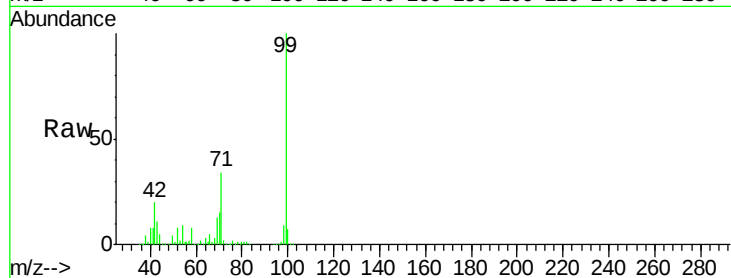
Tot Ion: 99 Resp: 1815869

Ion Ratio Lower Upper

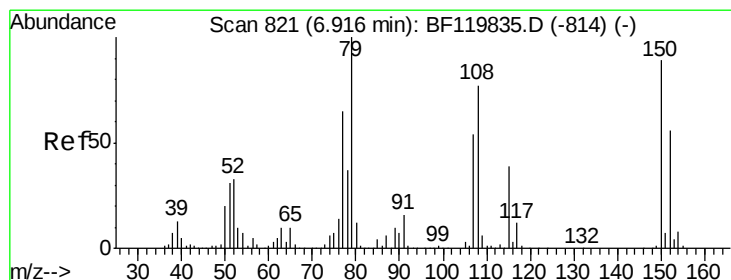
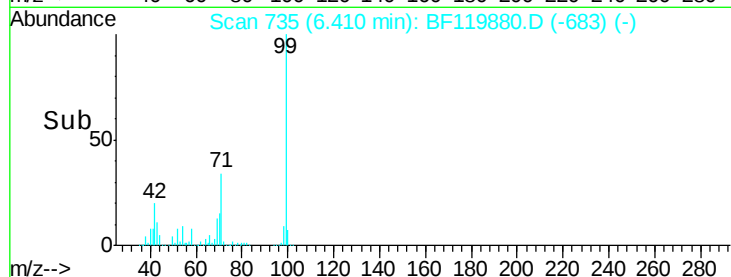
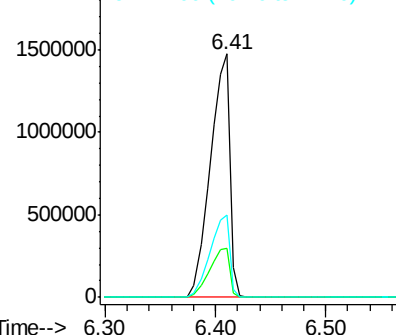
99 100

42 20.3 16.9 25.3

71 34.1 26.3 39.5



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



#15

Benzyl Alcohol

Concen: 2.021 ng

RT: 6.93 min Scan# 823

Delta R.T. 0.01 min

Lab File: BF119880.D

Acq: 9 Apr 2020 20:05

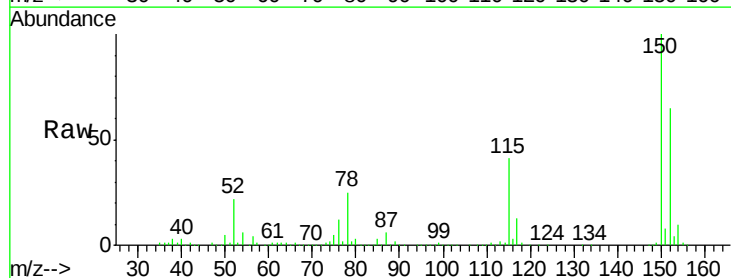
Tgt Ion: 79 Resp: 18694

Ion Ratio Lower Upper

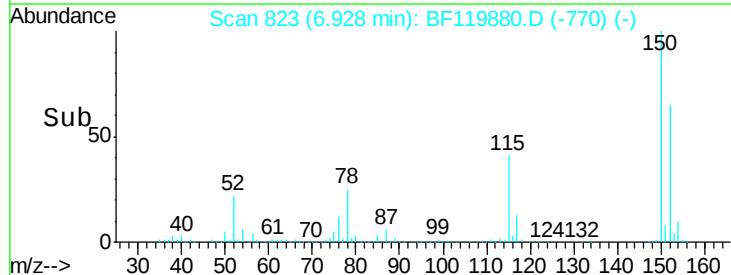
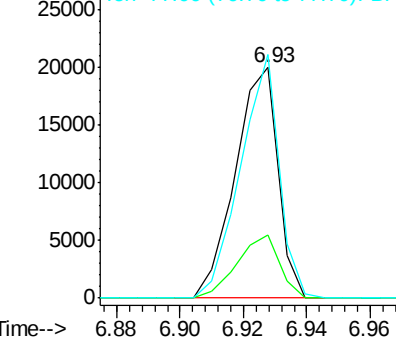
79 100

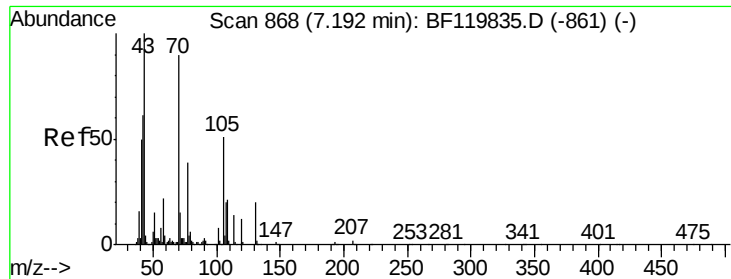
108 27.4 62.0 93.0#

77 105.6 51.8 77.6#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

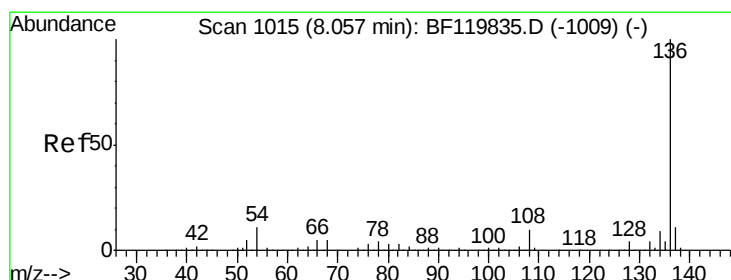
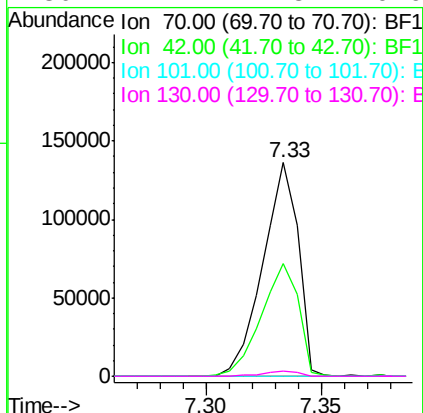
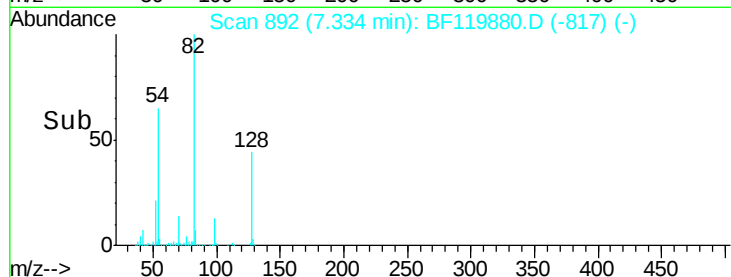
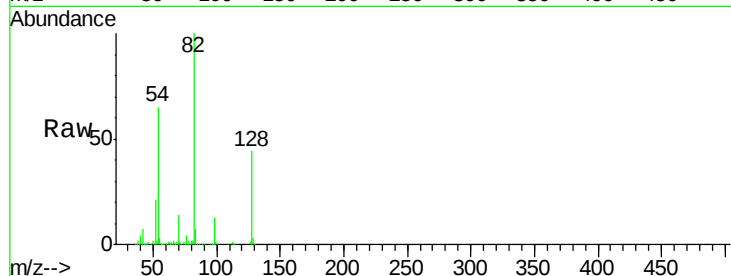




#19
 n-Nitroso-di-n-propylamine
 Concen: 18.946 ng
 RT: 7.33 min Scan# 892
 Delta R.T. 0.14 min
 Lab File: BF119880.D
 Acq: 9 Apr 2020 20:05

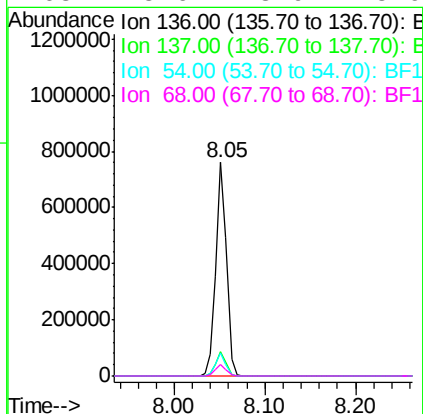
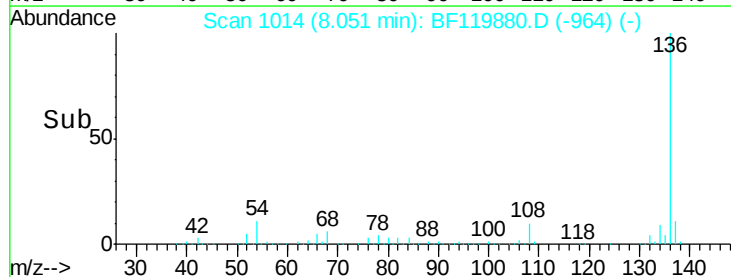
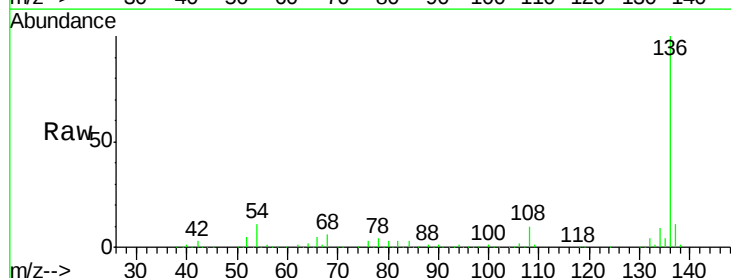
Instrument :
 BNA_F
 ClientSampleId :

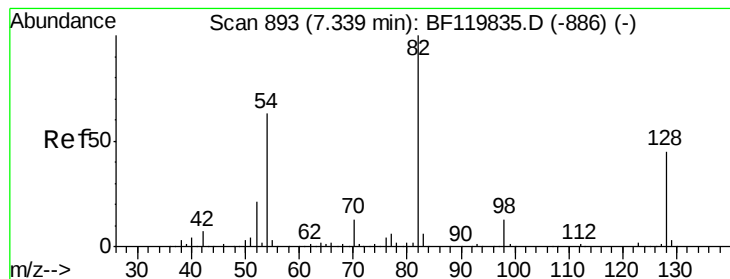
Tot Ion: 70 Resp: 145120
 Ion Ratio Lower Upper
 70 100
 42 52.9 54.2 81.4#
 101 0.0 7.4 11.2#
 130 2.4 17.8 26.6#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.05 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BF119880.D
 Acq: 9 Apr 2020 20:05

Tgt Ion: 136 Resp: 625725
 Ion Ratio Lower Upper
 136 100
 137 11.4 8.7 13.1
 54 10.8 8.5 12.7
 68 5.6 3.9 5.9





#23

Nitrobenzene-d5

Concen: 90.643 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.01 min

Lab File: BF119880.D

Acq: 9 Apr 2020 20:05

Instrument :

BNA_F

ClientSampled :

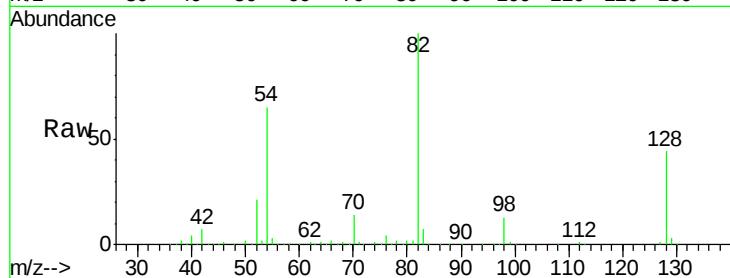
Tot Ion: 82 Resp: 1096341

Ion Ratio Lower Upper

82 100

128 44.0 36.2 54.4

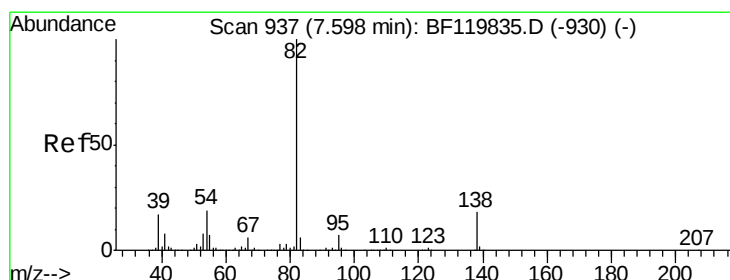
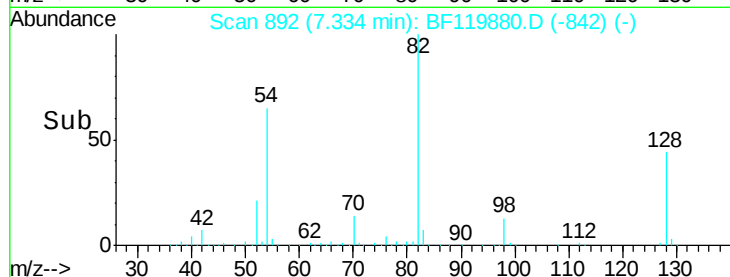
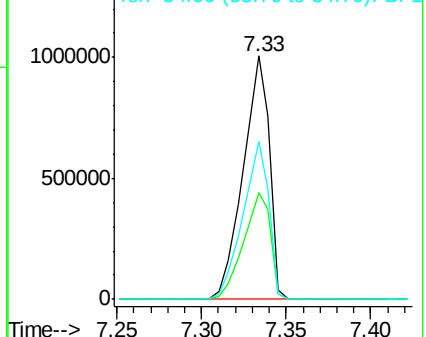
54 64.6 50.4 75.6



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 46.837 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.26 min

Lab File: BF119880.D

Acq: 9 Apr 2020 20:05

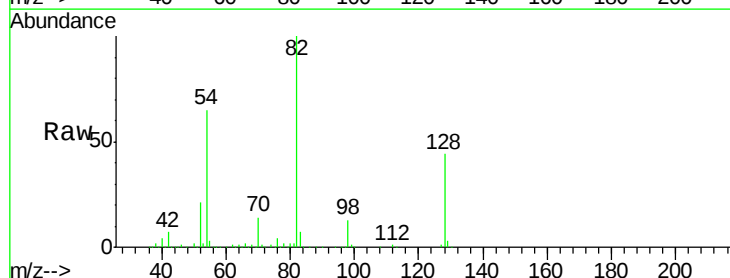
Tgt Ion: 82 Resp: 1092053

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

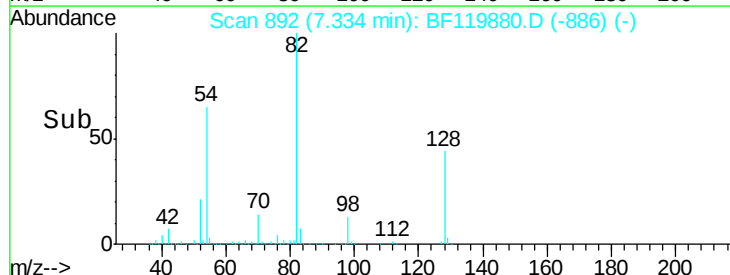
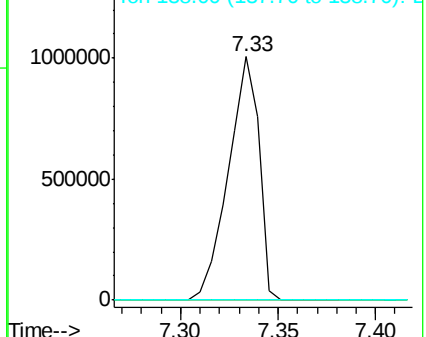
138 0.0 14.5 21.7#

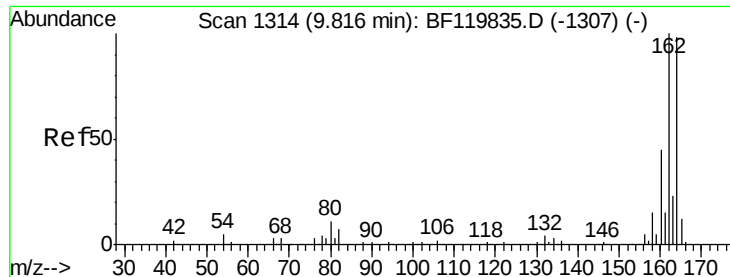


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

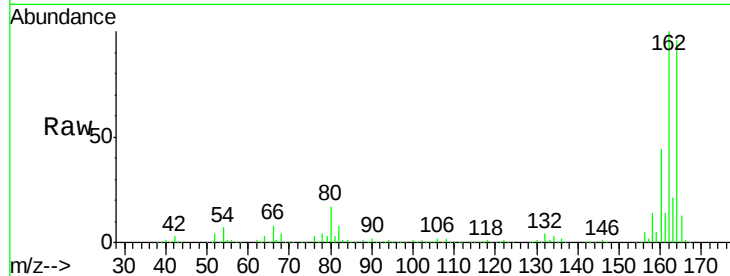




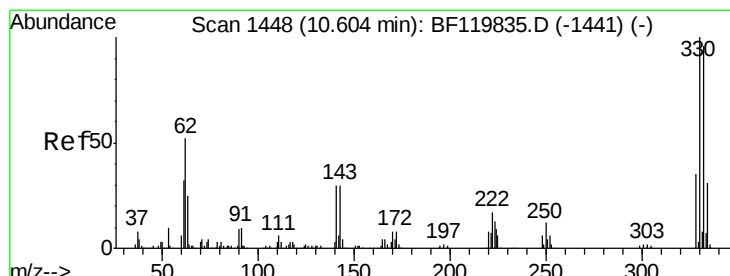
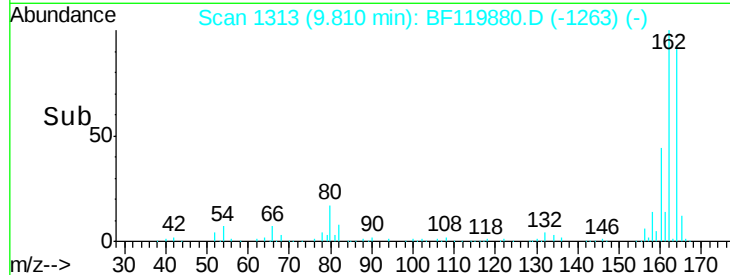
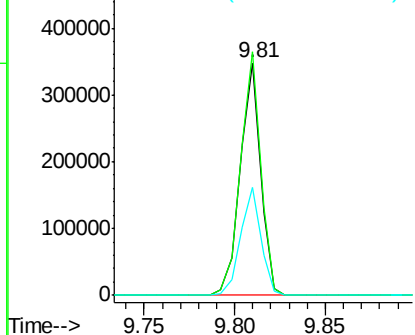
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF119880.D
Acq: 9 Apr 2020 20:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 272350
Ion Ratio Lower Upper
164 100
162 104.6 81.9 122.9
160 46.1 36.6 54.8

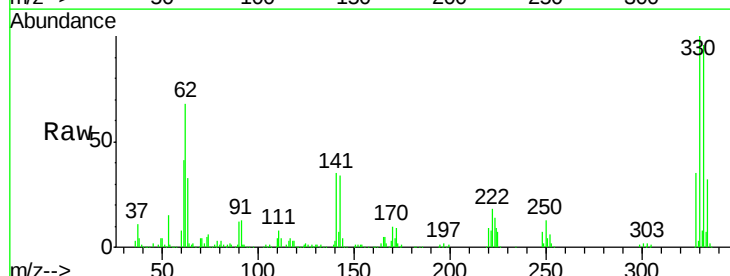


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

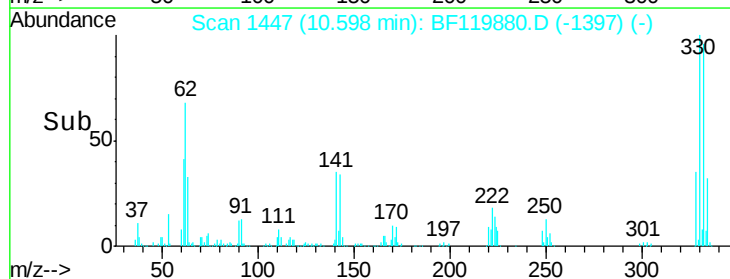
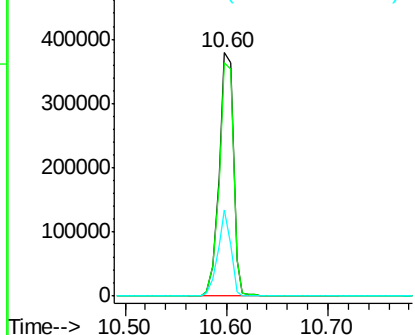


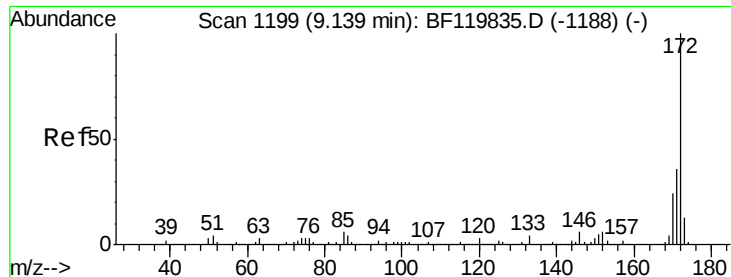
#42
2,4,6-Tribromophenol
Concen: 111.983 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BF119880.D
Acq: 9 Apr 2020 20:05

Tgt Ion:330 Resp: 373407
Ion Ratio Lower Upper
330 100
332 96.2 76.8 115.2
141 31.6 25.1 37.7



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

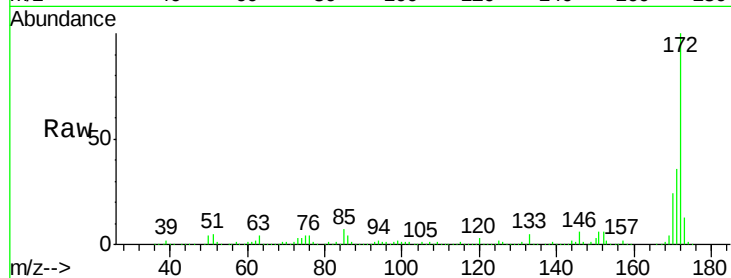




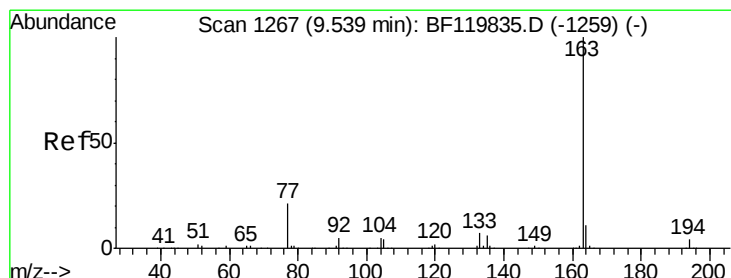
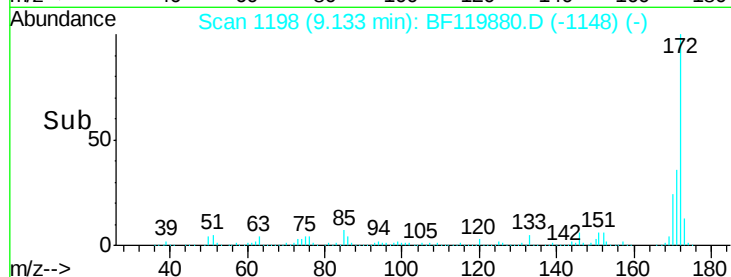
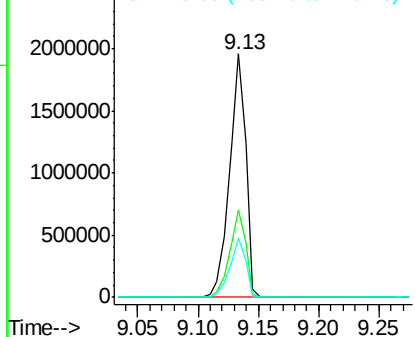
#45
2-Fluorobiphenyl
Concen: 94.825 ng
RT: 9.13 min Scan# 1198
Delta R.T. -0.01 min
Lab File: BF119880.D
Acq: 9 Apr 2020 20:05

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1818973
Ion Ratio Lower Upper
172 100
171 36.1 28.9 43.3
170 24.1 19.4 29.2

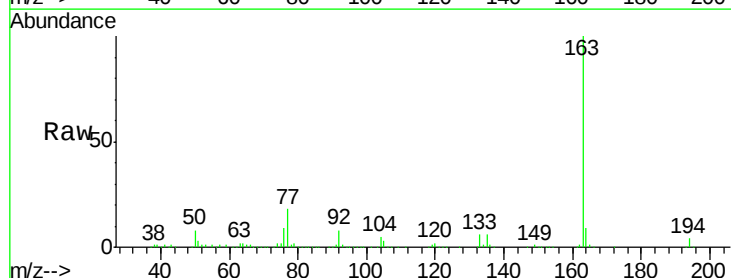


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

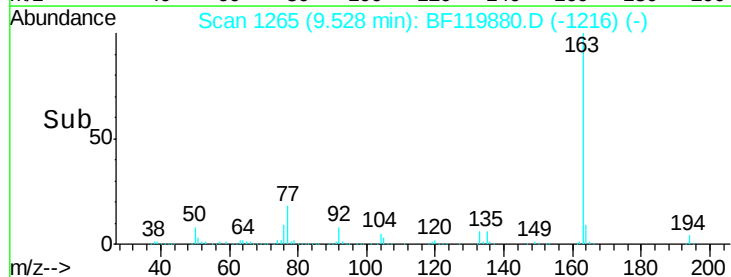
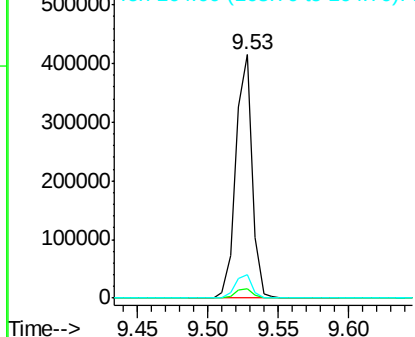


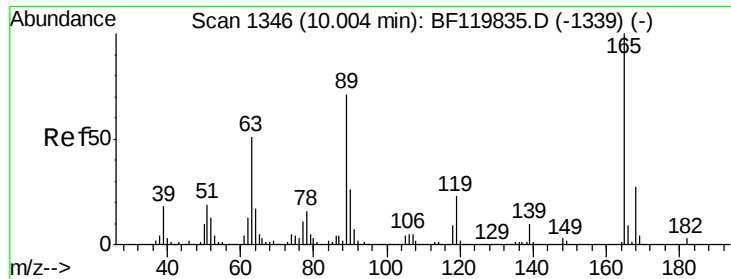
#50
Dimethylphthalate
Concen: 15.753 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.01 min
Lab File: BF119880.D
Acq: 9 Apr 2020 20:05

Tgt Ion:163 Resp: 331856
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.4
164 9.4 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

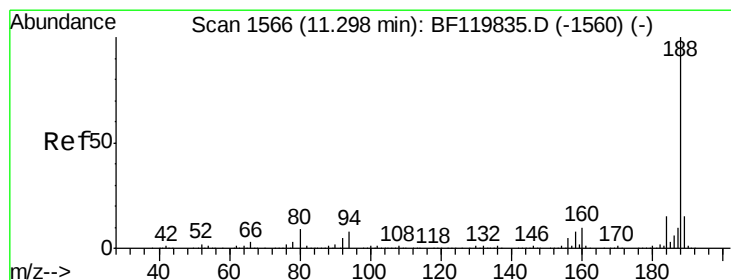
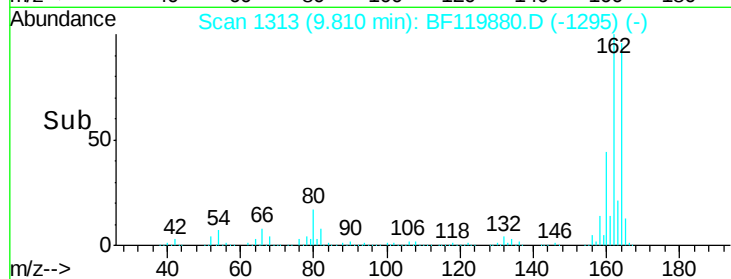
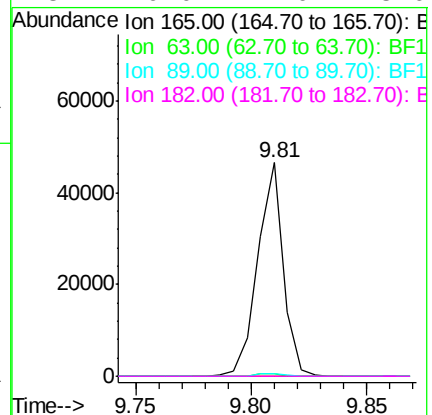
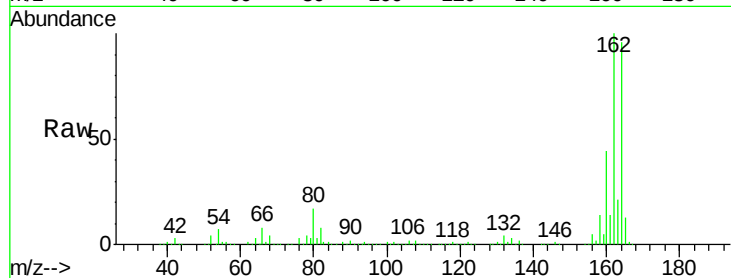




#57
 2,4-Dinitrotoluene
 Concen: 5.961 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF119880.D
 Acq: 9 Apr 2020 20:05

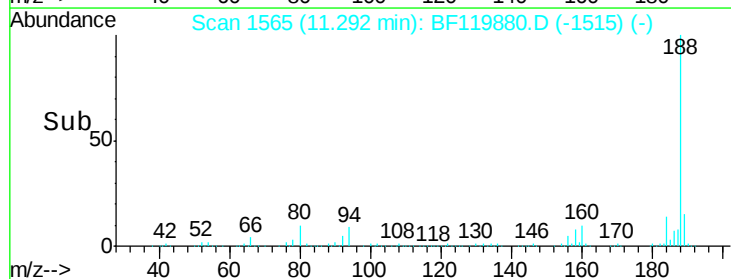
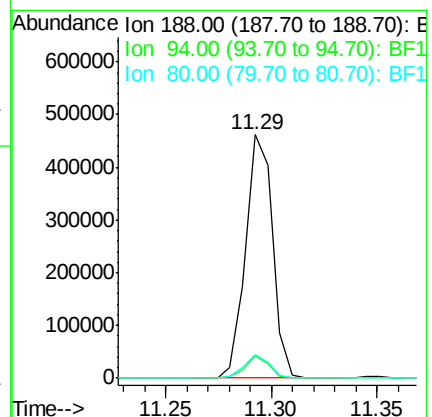
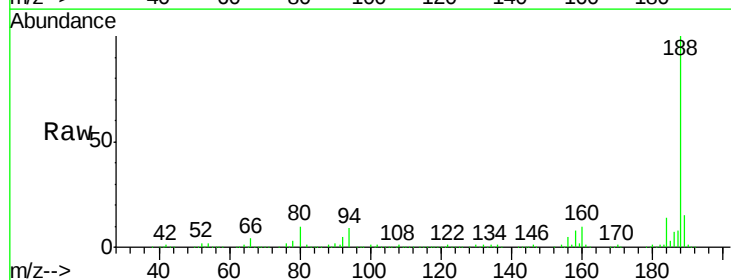
Instrument :
 BNA_F
 ClientSampleId :

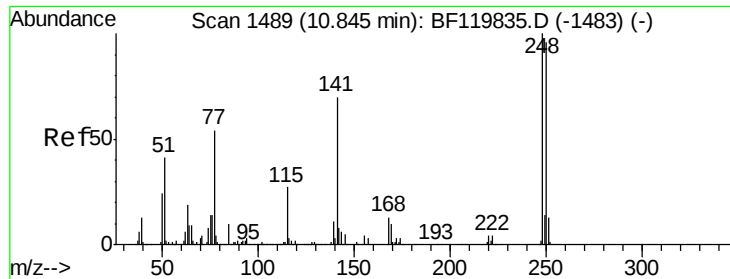
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	40.8	61.2#
89	1.1	56.9	85.3#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF119880.D
 Acq: 9 Apr 2020 20:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.7	10.1
80	9.7	7.4	11.2

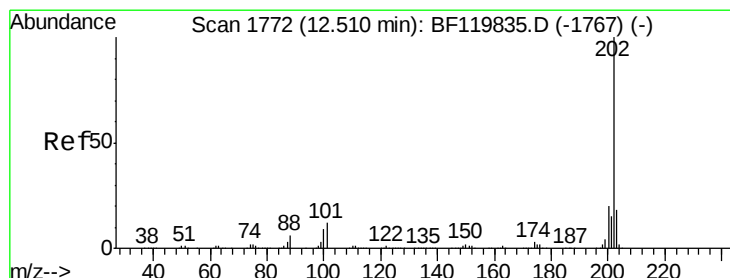
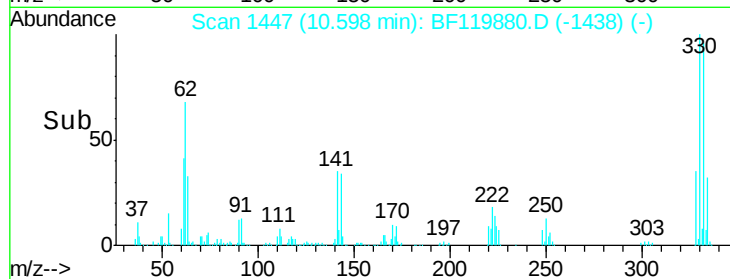
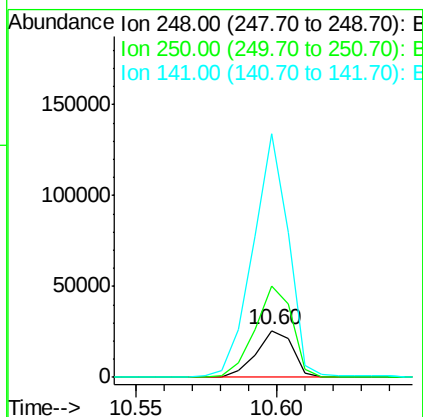
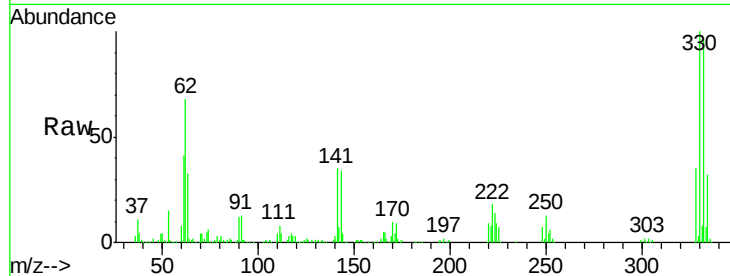




#67
4-Bromophenyl-phenylether
Concen: 4.564 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.25 min
Lab File: BF119880.D
Acq: 9 Apr 2020 20:05

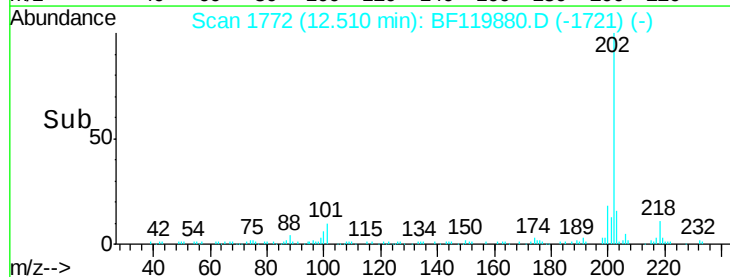
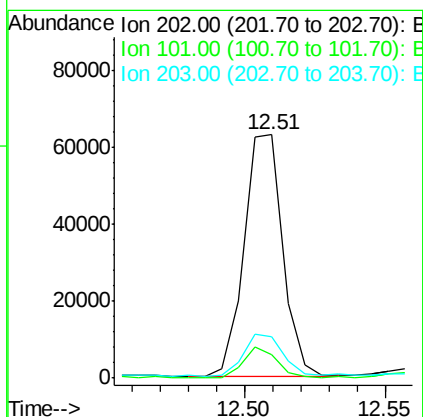
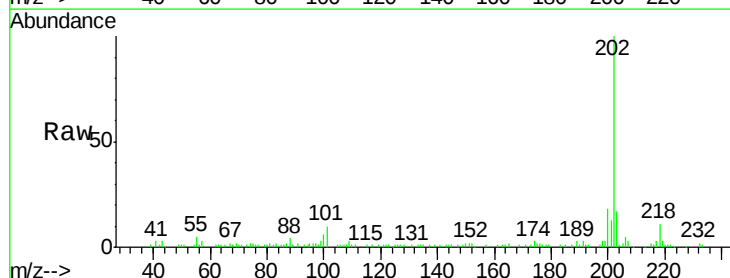
Instrument :
BNA_F
ClientSampleId :

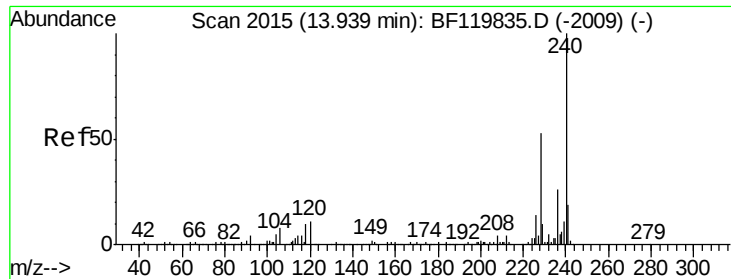
Tot Ion:248 Resp: 23211
Ion Ratio Lower Upper
248 100
250 193.6 76.6 114.8#
141 519.3 55.9 83.9#



#75
Fluoranthene
Concen: 2.549 ng
RT: 12.51 min Scan# 1772
Delta R.T. 0.00 min
Lab File: BF119880.D
Acq: 9 Apr 2020 20:05

Tgt Ion:202 Resp: 59847
Ion Ratio Lower Upper
202 100
101 9.6 0.0 32.3
203 16.9 0.0 37.6

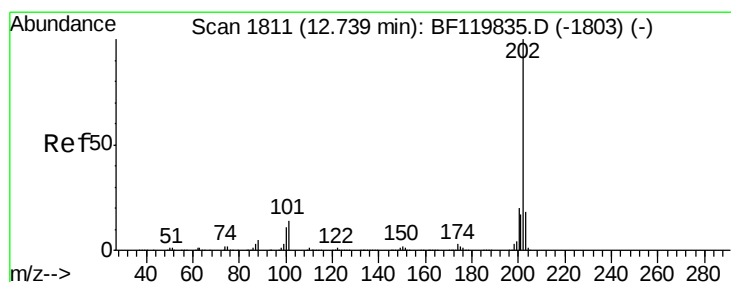
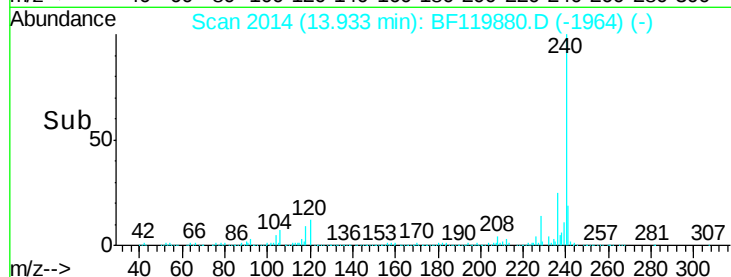
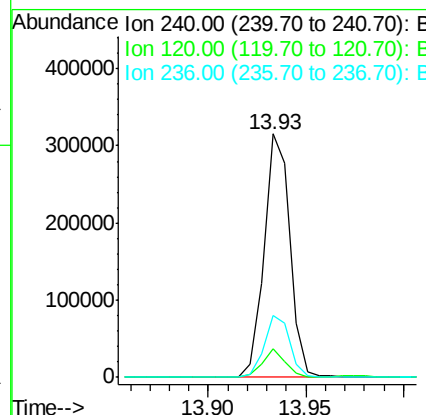
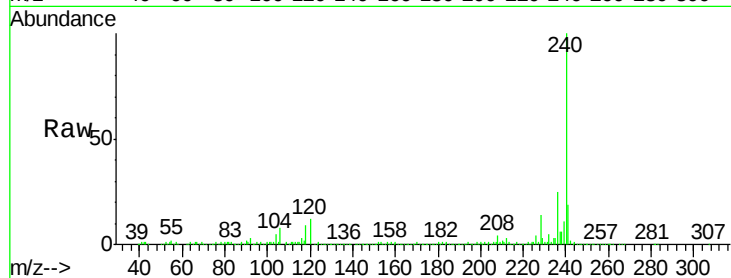




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF119880.D
Acq: 9 Apr 2020 20:05

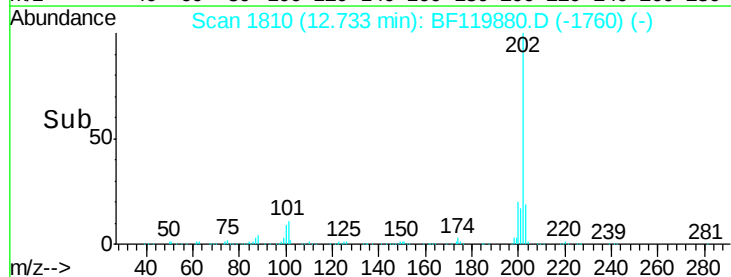
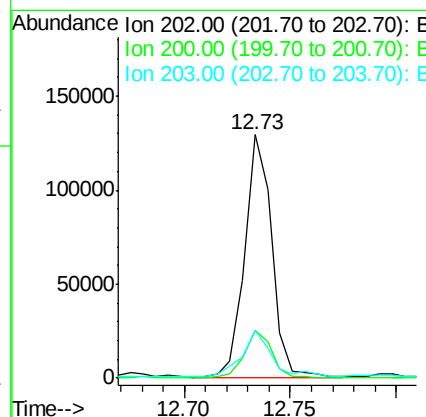
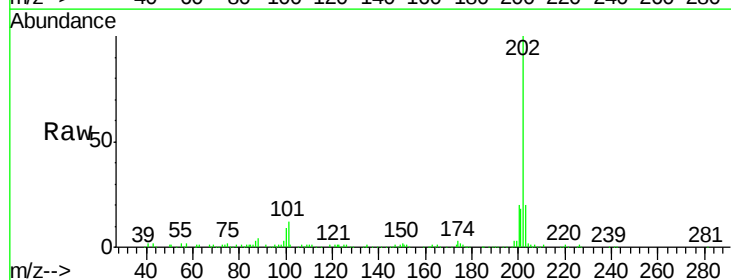
Instrument :
BNA_F
ClientSampleId :

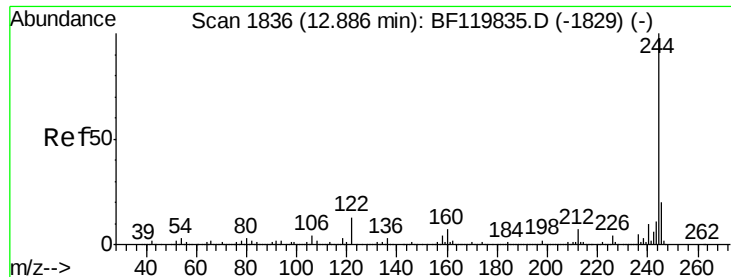
Tot Ion:240 Resp: 287147
Ion Ratio Lower Upper
240 100
120 11.9 9.0 13.6
236 25.3 20.7 31.1



#78
Pyrene
Concen: 4.715 ng
RT: 12.73 min Scan# 1810
Delta R.T. -0.01 min
Lab File: BF119880.D
Acq: 9 Apr 2020 20:05

Tgt Ion:202 Resp: 114135
Ion Ratio Lower Upper
202 100
200 19.8 16.2 24.2
203 19.8 14.1 21.1

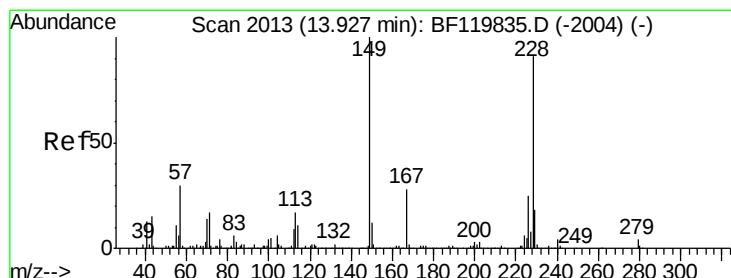
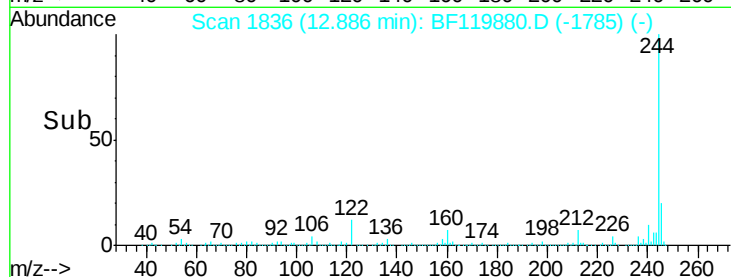
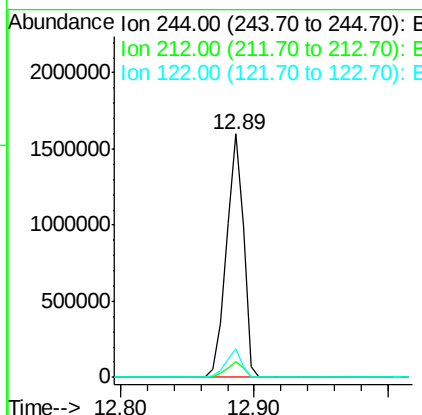
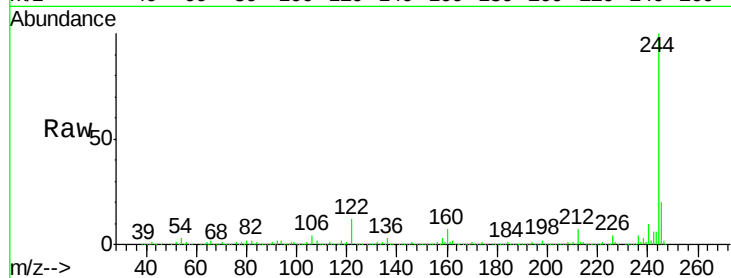




#79
 Terphenyl-d14
 Concen: 85.046 ng
 RT: 12.89 min Scan# 1836
 Delta R.T. 0.00 min
 Lab File: BF119880.D
 Acq: 9 Apr 2020 20:05

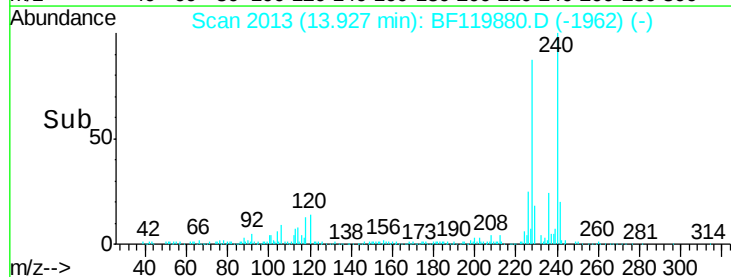
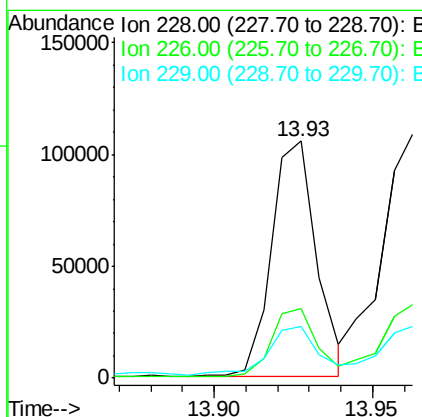
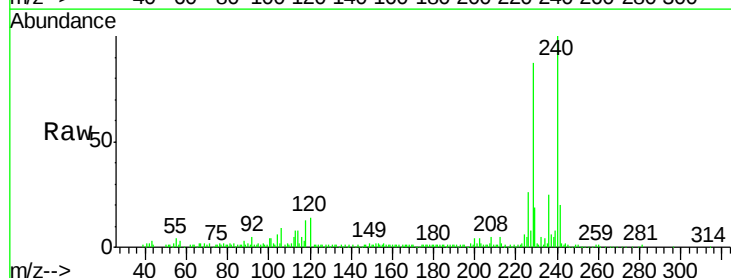
Instrument :
 BNA_F
 ClientSampleId :

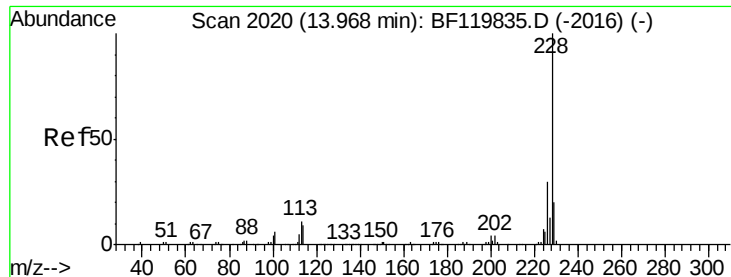
Tot Ion:244 Resp: 1451328
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 11.6 10.3 15.5



#81
 Benzo(a)anthracene
 Concen: 5.538 ng
 RT: 13.93 min Scan# 1313
 Delta R.T. 0.00 min
 Lab File: BF119880.D
 Acq: 9 Apr 2020 20:05

Tgt Ion:228 Resp: 104606
 Ion Ratio Lower Upper
 228 100
 226 29.5 21.9 32.9
 229 21.7 15.9 23.9

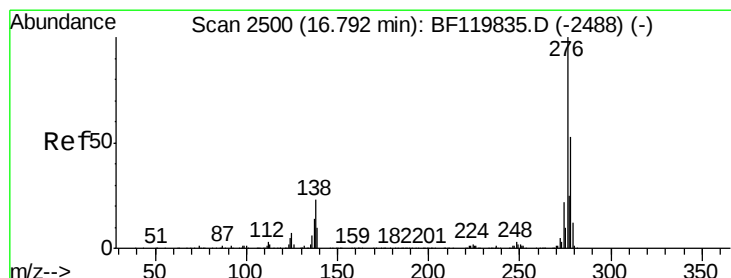
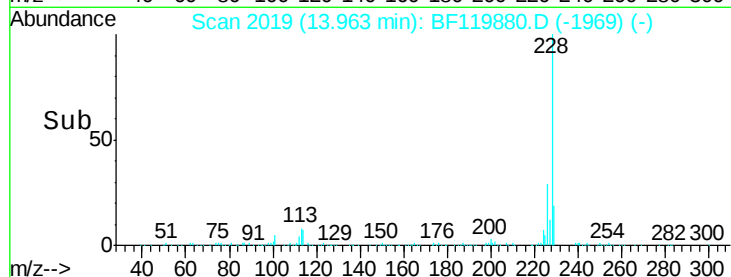
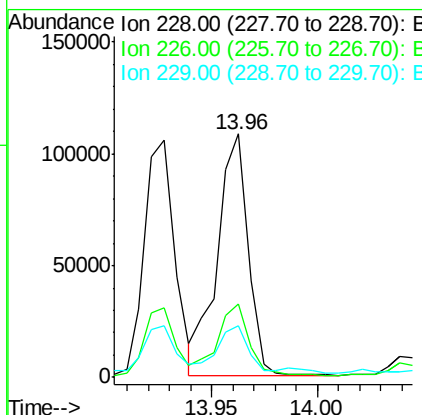
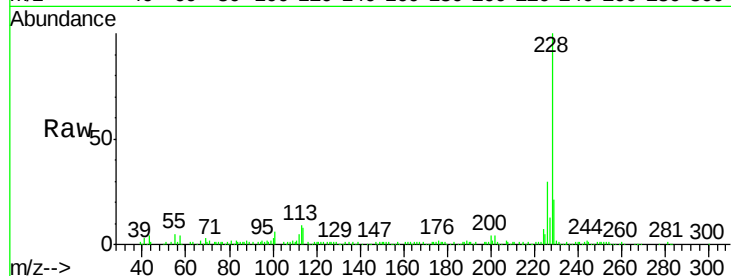




#83
Chrysene
Concen: 5.771 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF119880.D
Acq: 9 Apr 2020 20:05

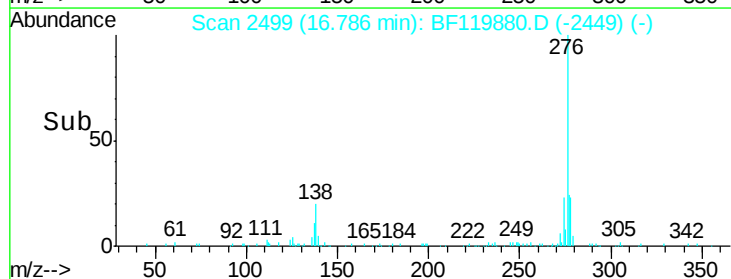
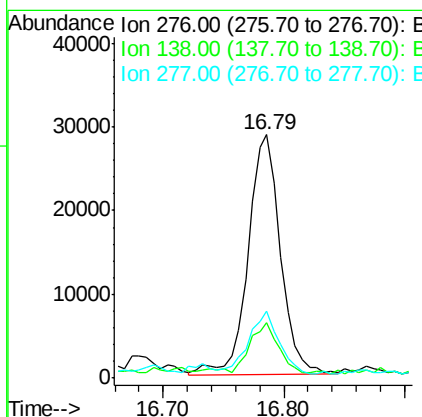
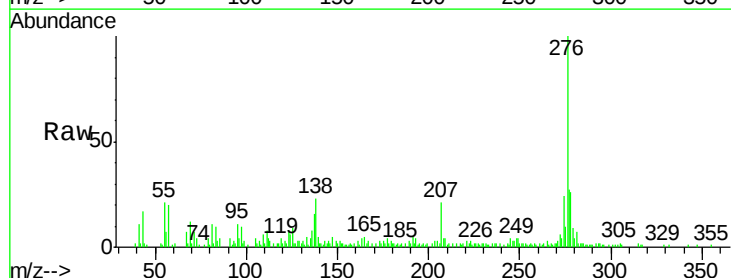
Instrument :
BNA_F
ClientSampleId :

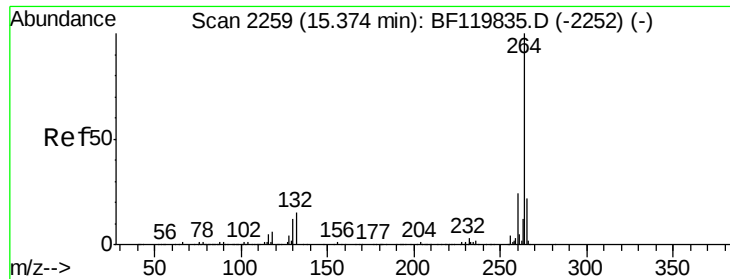
Tot Ion:228 Resp: 110771
Ion Ratio Lower Upper
228 100
226 30.4 24.2 36.2
229 21.3 15.9 23.9



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.179 ng
RT: 16.79 min Scan# 2499
Delta R.T. -0.01 min
Lab File: BF119880.D
Acq: 9 Apr 2020 20:05

Tgt Ion:276 Resp: 53792
Ion Ratio Lower Upper
276 100
138 19.6 18.0 27.0
277 24.3 20.1 30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.37 min Scan# 2259

Delta R.T. 0.00 min

Lab File: BF119880.D

Acq: 9 Apr 2020 20:05

Instrument :

BNA_F

ClientSampleId :

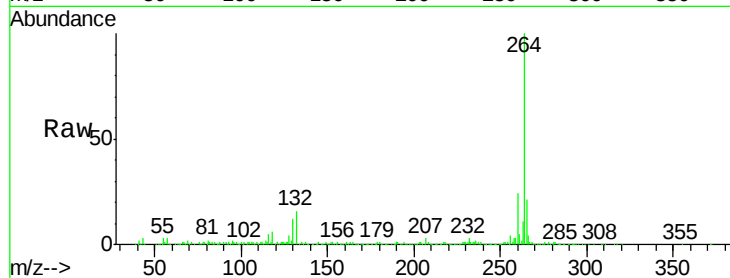
Tot Ion:264 Resp: 290564

Ion Ratio Lower Upper

264 100

260 23.9 19.3 28.9

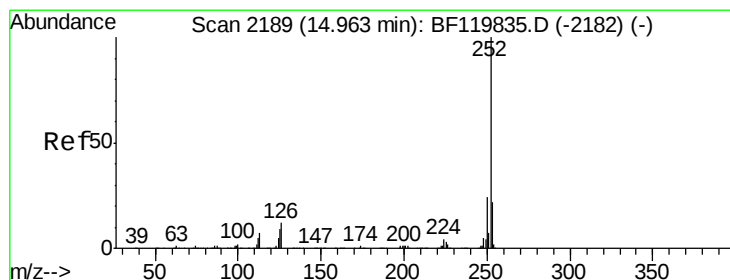
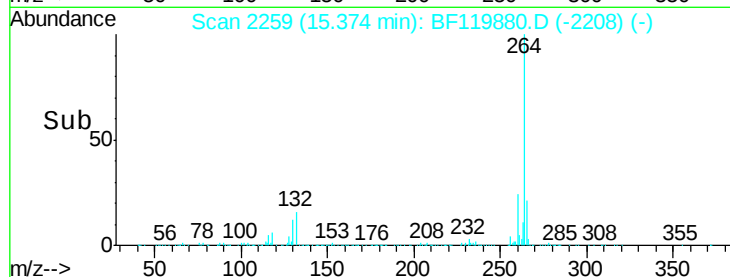
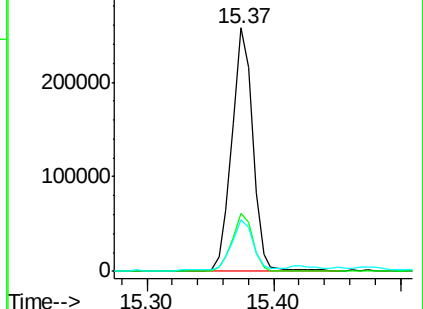
265 21.3 17.6 26.4



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: 7.202 ng

RT: 14.96 min Scan# 2189

Delta R.T. 0.00 min

Lab File: BF119880.D

Acq: 9 Apr 2020 20:05

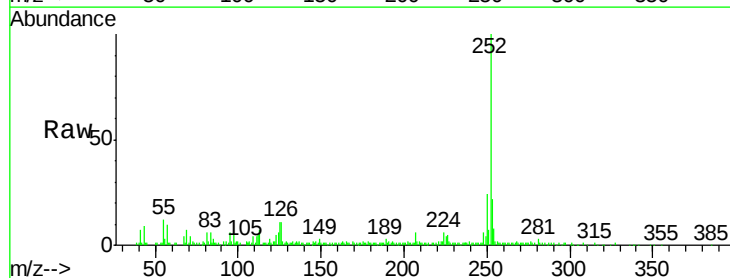
Tgt Ion:252 Resp: 150530

Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

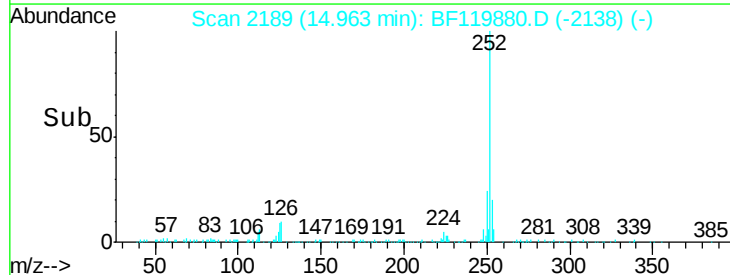
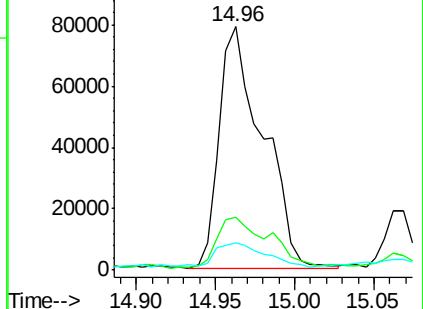
125 11.0 7.4 11.2

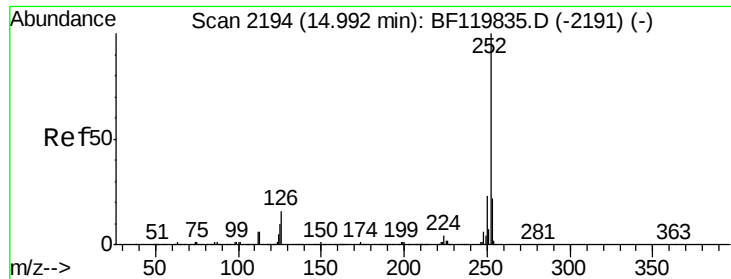


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

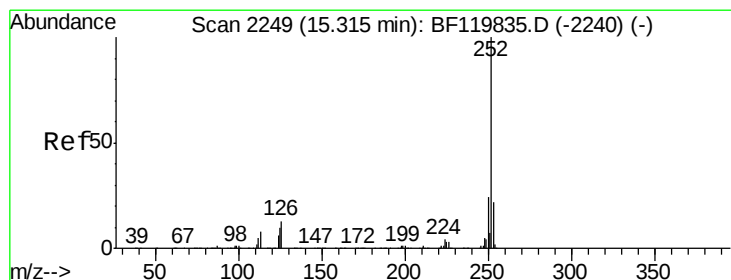
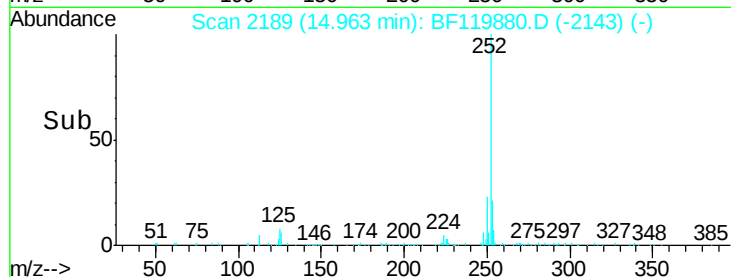
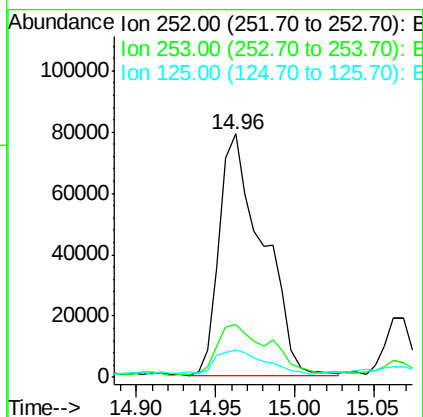
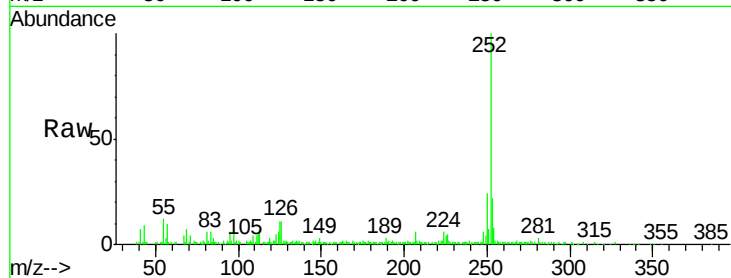




#89
Benzo(k)fluoranthene
Concen: 8.347 ng
RT: 14.96 min Scan# 2189
Delta R.T. -0.03 min
Lab File: BF119880.D
Acq: 9 Apr 2020 20:05

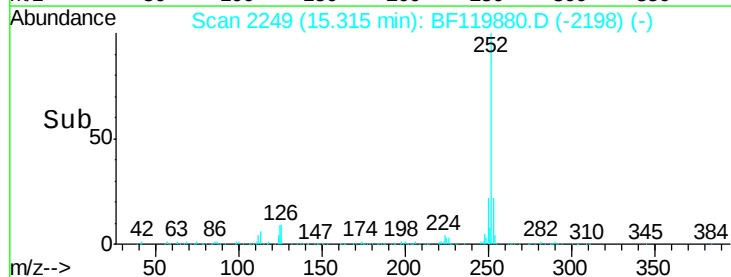
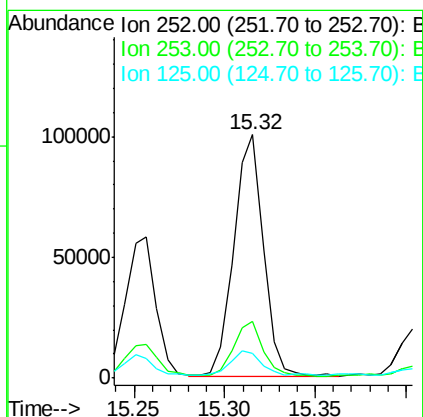
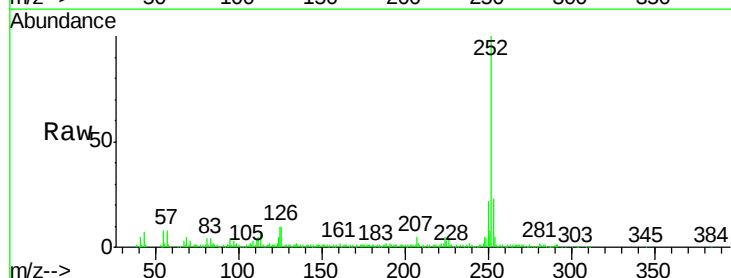
Instrument :
BNA_F
ClientSampleId :

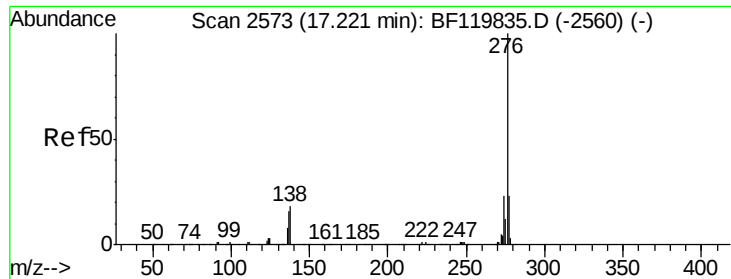
Tot Ion:252 Resp: 150530
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 11.0 7.7 11.5



#90
Benzo(a)pyrene
Concen: 6.471 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.00 min
Lab File: BF119880.D
Acq: 9 Apr 2020 20:05

Tgt Ion:252 Resp: 113729
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 10.2 8.3 12.5

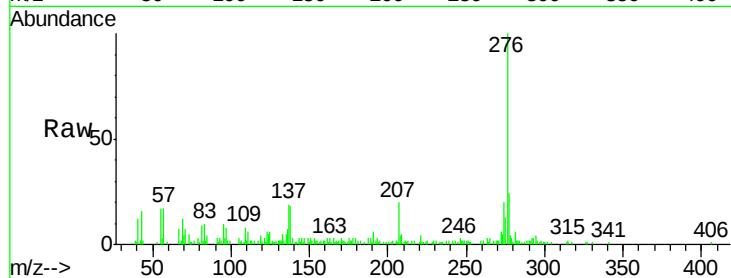




#92
 Benzo(a,h,i)perylene
 Concen: 3.671 ng
 RT: 17.21 min Scan# 2571
 Delta R.T. -0.01 min
 Lab File: BF119880.D
 Acq: 9 Apr 2020 20:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	24.0	18.5	27.7	
138	18.4	14.6	22.0	



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

