

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
 Data File : BF118332.D
 Acq On : 26 Dec 2019 22:36
 Operator : JU
 Sample : K6436-07 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 27 03:27:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	74220	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	300281	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	152833	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	249858	20.00	ng	0.00
76) Chrysene-d12	14.05	240	190223	20.00	ng	0.00
87) Perylene-d12	15.54	264	147668	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	302789	69.64	ng	0.00
7) Phenol-d6	6.48	99	402861	74.69	ng	0.00
23) Nitrobenzene-d5	7.42	82	226539	43.15	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	88449	46.86	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	516513	51.59	ng	0.00
79) Terphenyl-d14	12.98	244	528706	46.11	ng	0.00

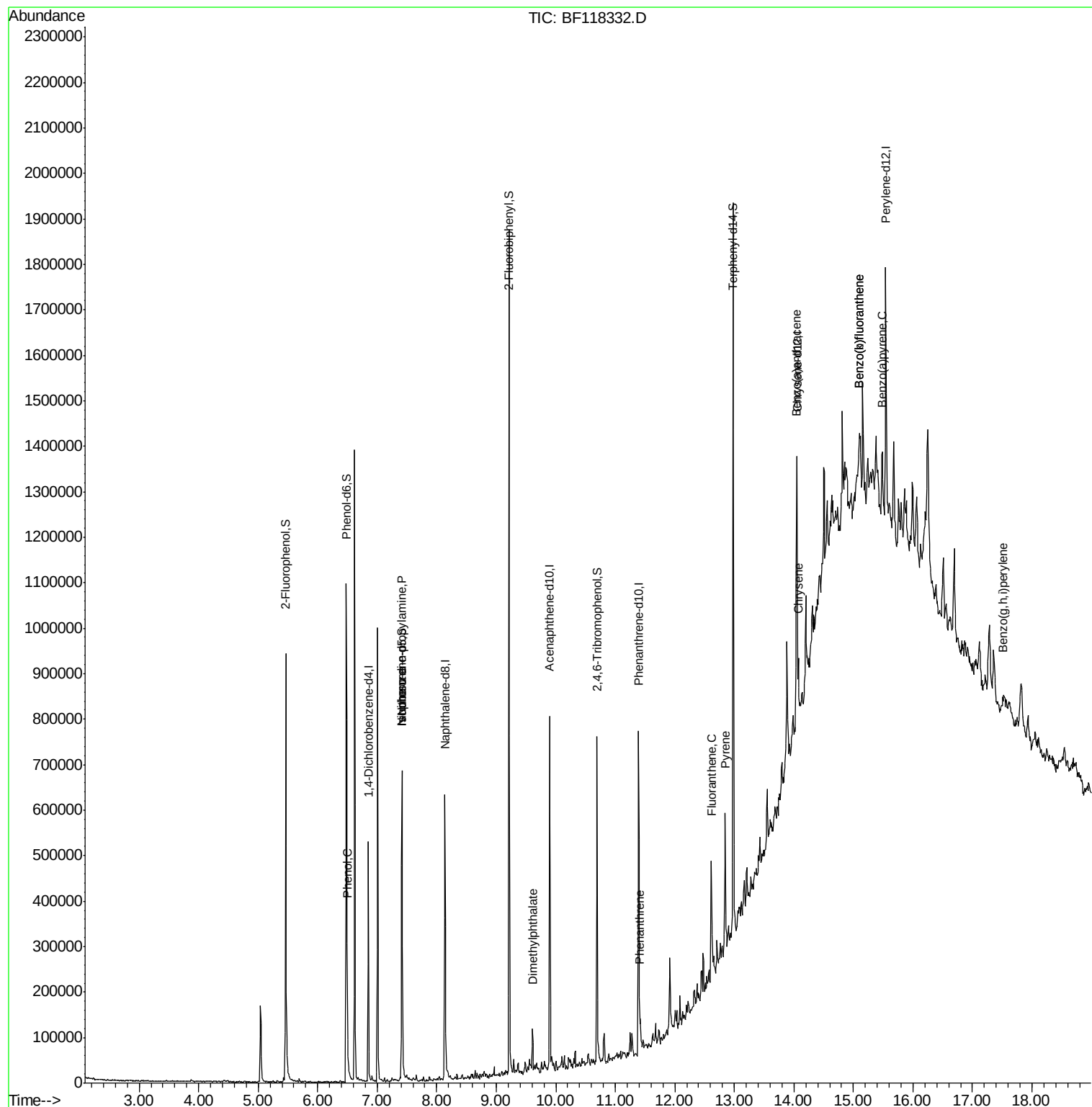
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.50	94	12211	2.014	ng	83
19) n-Nitroso-di-n-propylamine	7.42	70	30906	9.301	ng	# 80
25) Isophorone	7.42	82	226537	24.759	ng	# 62
50) Dimethylphthalate	9.61	163	26047	2.270	ng	# 99
71) Phenanthrene	11.42	178	31070	2.281	ng	97
75) Fluoranthene	12.62	202	110804	8.060	ng	99
78) Pyrene	12.84	202	94507	6.084	ng	99
81) Benzo(a)anthracene	14.04	228	42861	3.219	ng	# 96
83) Chrysene	14.07	228	50456	3.958	ng	# 92
88) Benzo(b)fluoranthene	15.10	252	58378	5.956	ng	# 47
89) Benzo(k)fluoranthene	15.10	252	58378	6.203	ng	# 49
90) Benzo(a)pyrene	15.48	252	27501	3.185	ng	# 41
92) Benzo(a,h,i)perylene	17.52	276	18264	2.523	ng	# 68

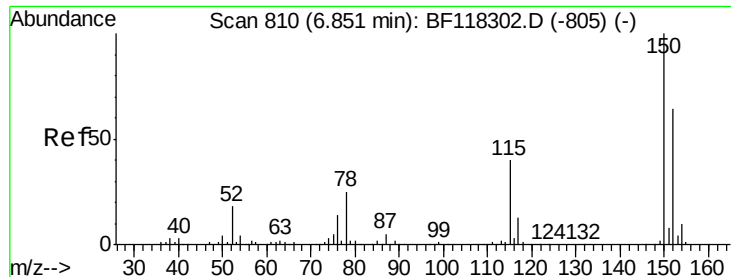
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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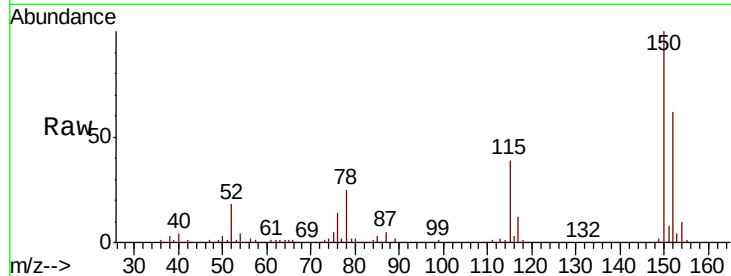


#1

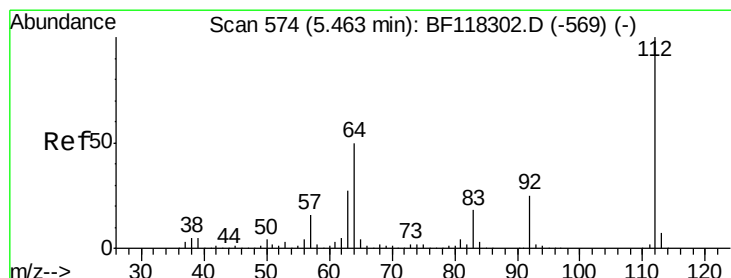
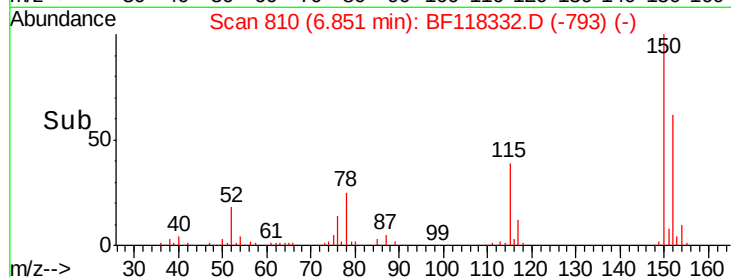
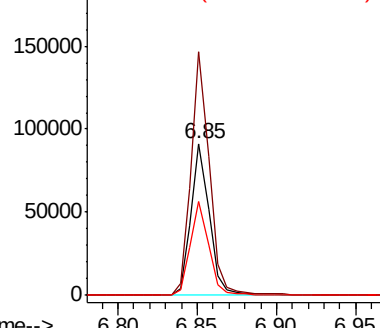
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 74220
Ion Ratio Lower Upper
152 100
150 160.3 125.4 188.2
115 61.9 50.2 75.4



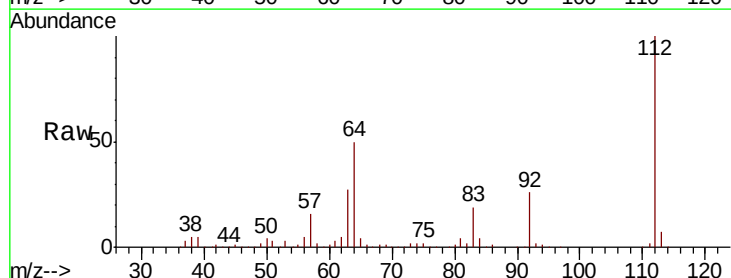
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



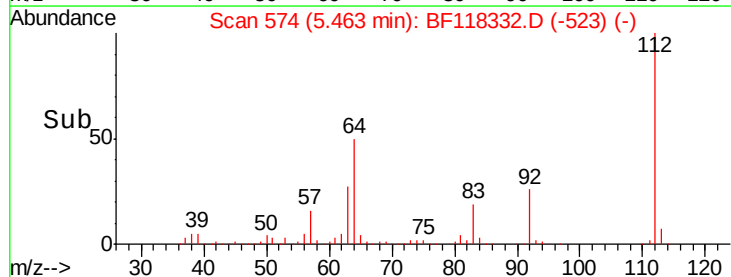
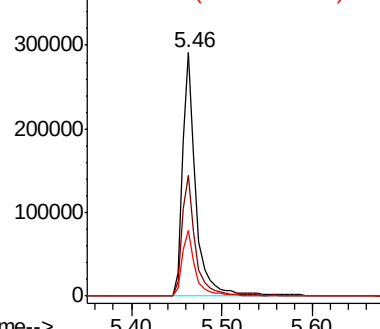
#5

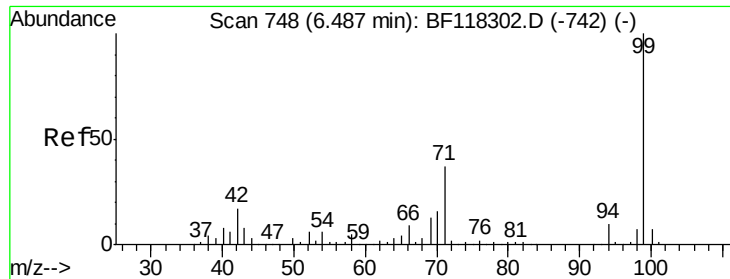
2-Fluorophenol
Concen: 69.639 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.00 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion:112 Resp: 302789
Ion Ratio Lower Upper
112 100
64 49.6 39.7 59.5
63 27.2 21.7 32.5



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: 74.689 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF118332.D

Acq: 26 Dec 2019 22:36

Instrument :

BNA_F

ClientSampled :

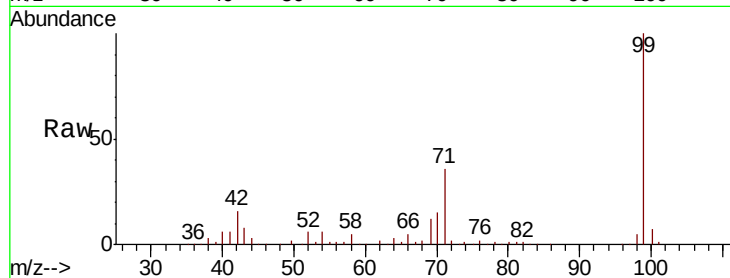
Tot Ion: 99 Resp: 402861

Ion Ratio Lower Upper

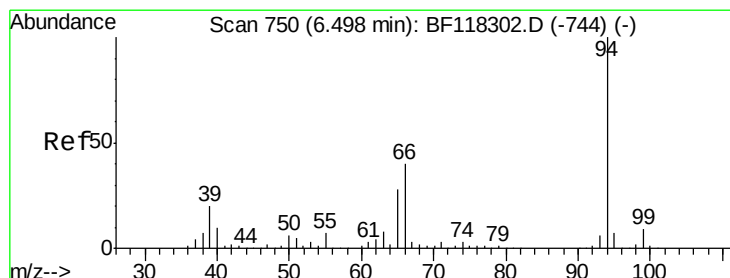
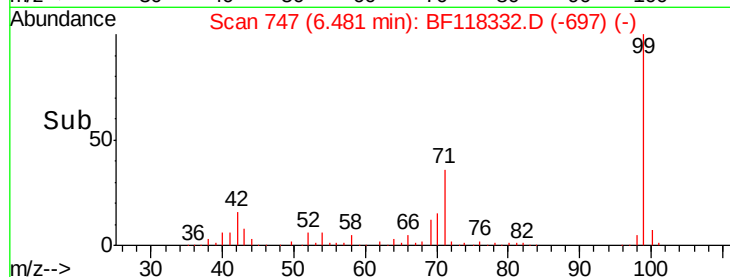
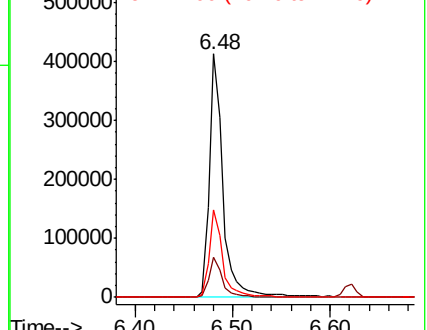
99 100

42 16.3 13.5 20.3

71 35.7 29.4 44.2



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



#10

Phenol

Concen: 2.014 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF118332.D

Acq: 26 Dec 2019 22:36

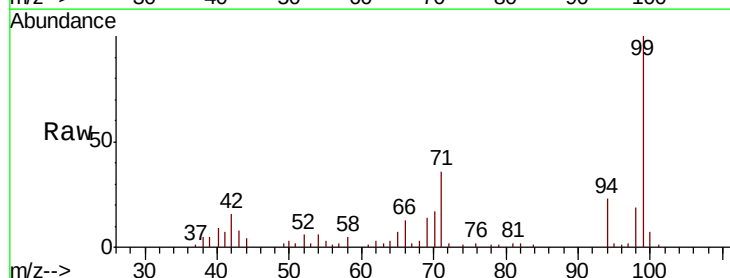
Tgt Ion: 94 Resp: 12211

Ion Ratio Lower Upper

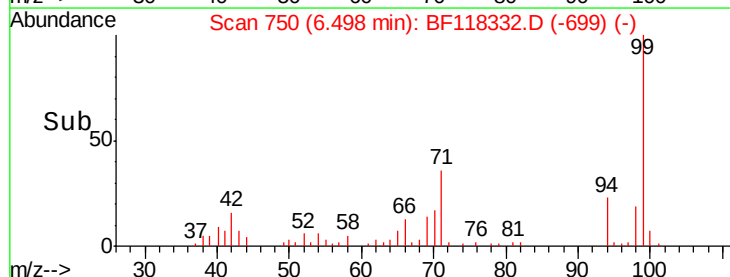
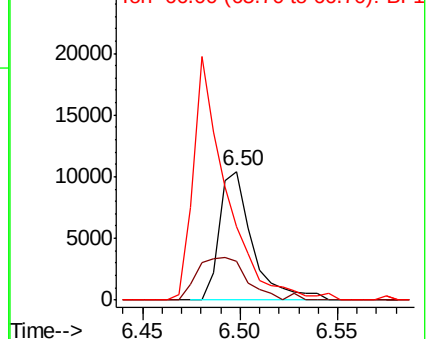
94 100

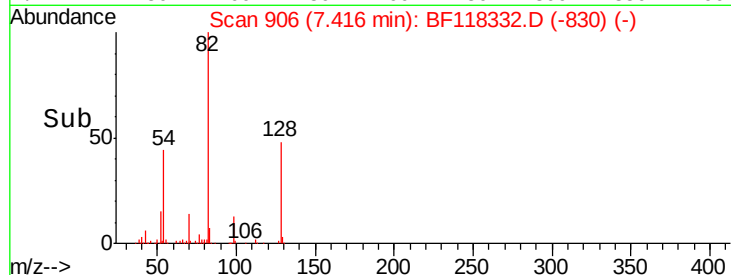
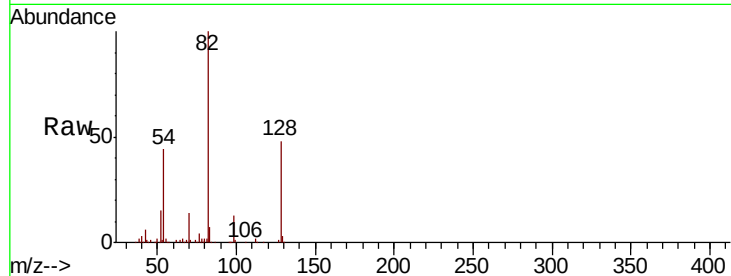
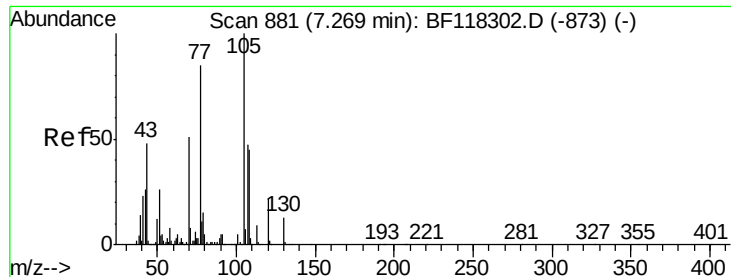
65 30.0 7.8 47.8

66 56.9 20.4 60.4



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

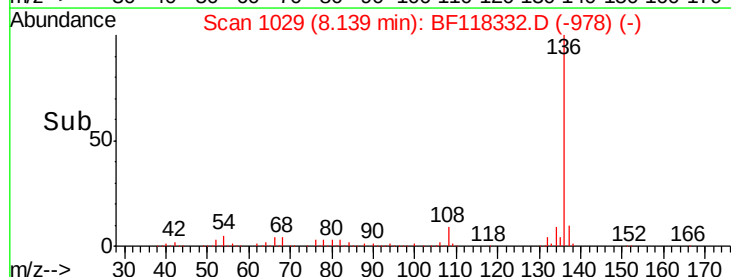
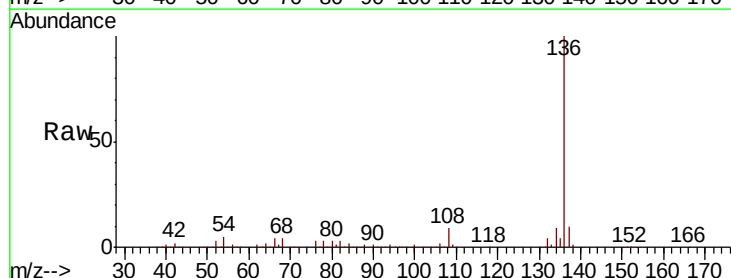
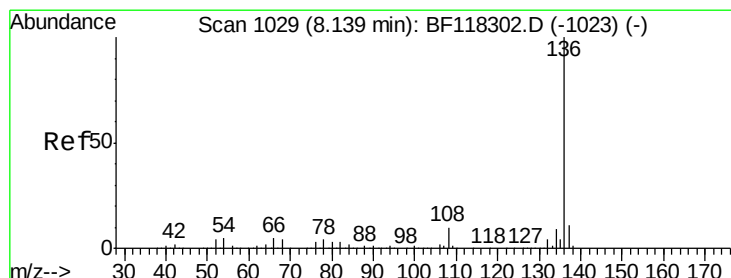
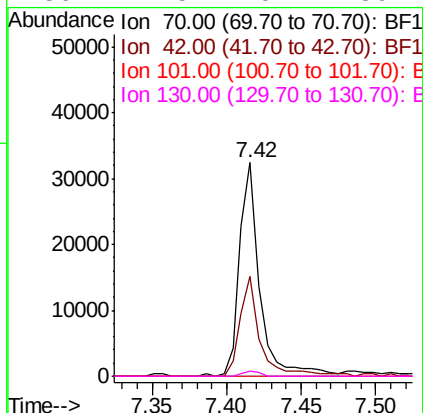




#19
n-Nitroso-di-n-propylamine
Concen: 9.301 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.15 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

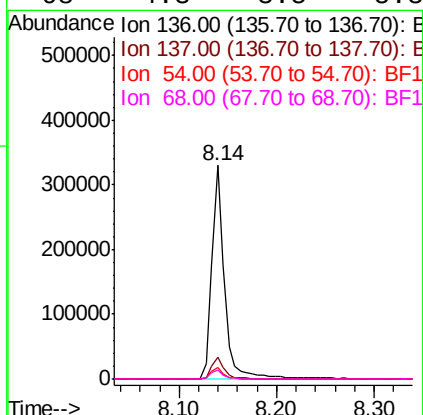
Instrument :
BNA_F
ClientSampleId :

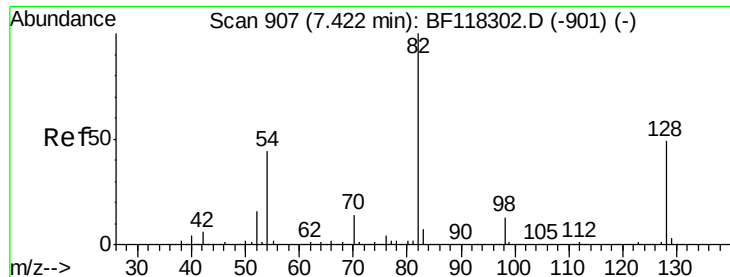
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	46.8	41.1	61.7	
101	0.0	8.3	12.5#	
130	2.5	20.1	30.1#	



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	10.1	8.9	13.3	
54	5.4	4.2	6.4	
68	4.3	3.5	5.3	

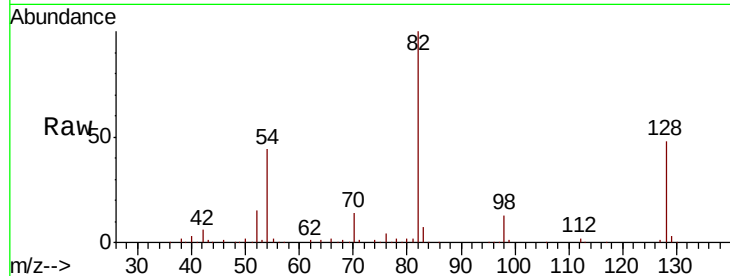




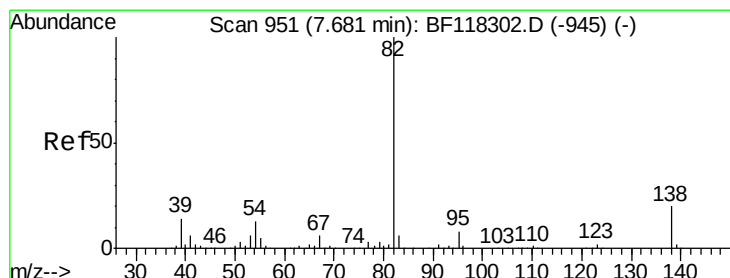
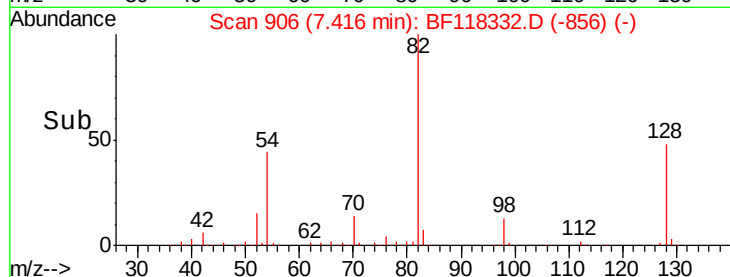
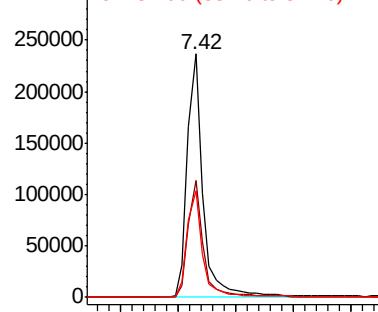
#23
Nitrobenzene-d5
Concen: 43.149 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 226539
Ion Ratio Lower Upper
82 100
128 48.0 39.6 59.4
54 43.7 34.9 52.3

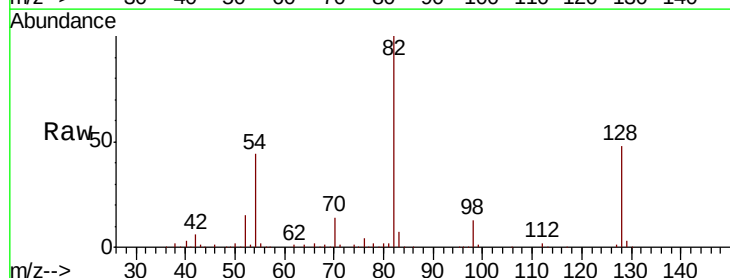


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

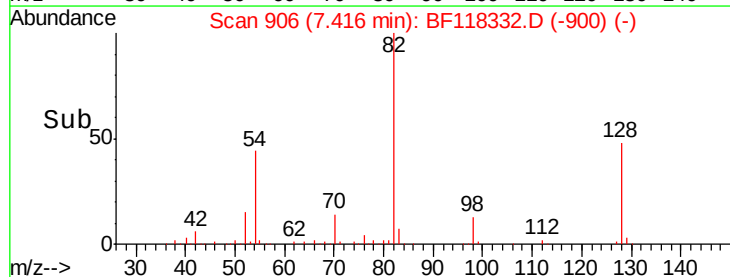
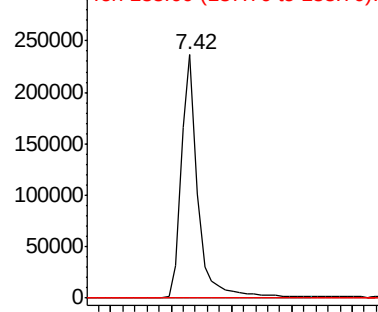


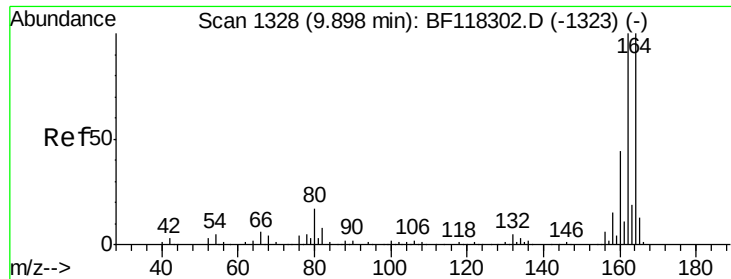
#25
Isophorone
Concen: 24.759 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.26 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion: 82 Resp: 226537
Ion Ratio Lower Upper
82 100
95 0.1 6.3 9.5#
138 0.0 16.2 24.2#



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

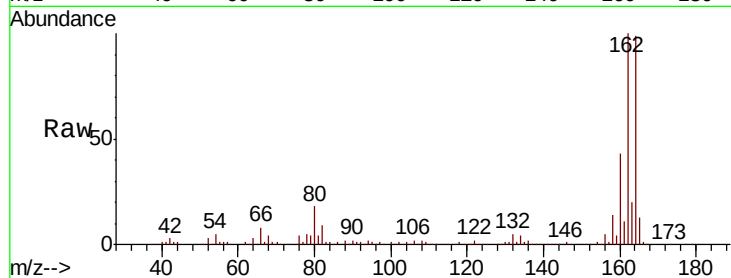




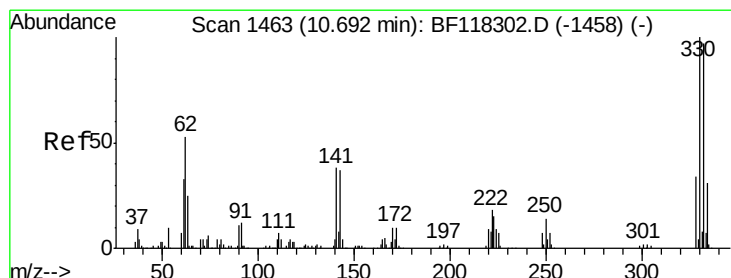
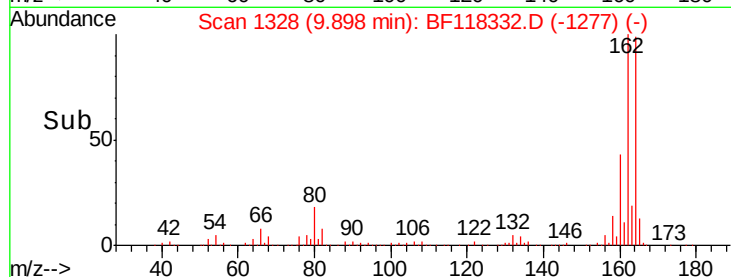
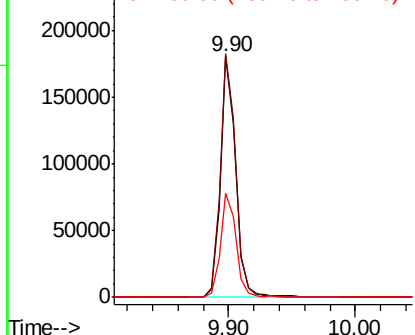
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 152833
Ion Ratio Lower Upper
164 100
162 101.2 80.0 120.0
160 43.2 34.8 52.2

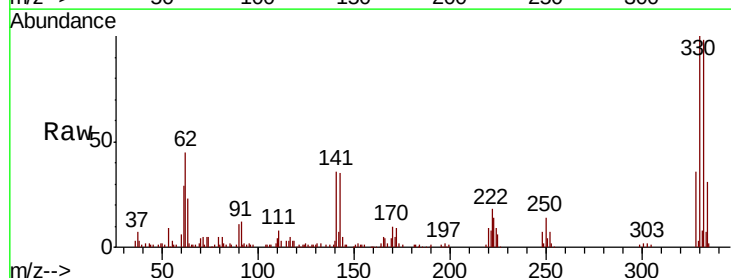


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

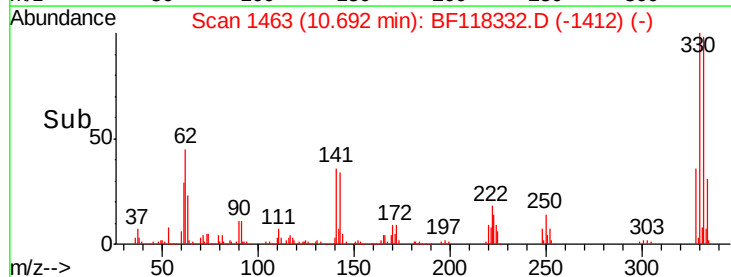
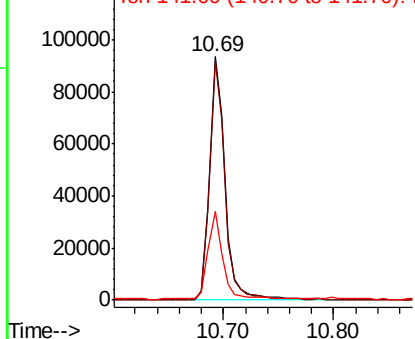


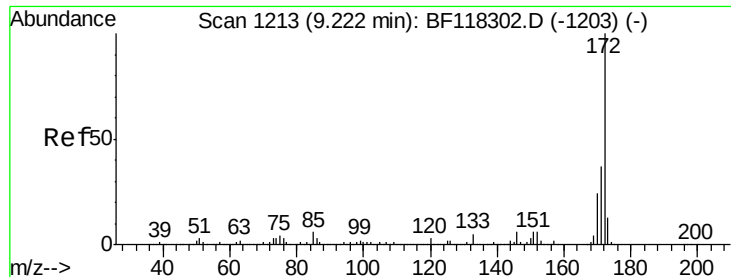
#42
2,4,6-Tribromophenol
Concen: 46.863 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.00 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion:330 Resp: 88449
Ion Ratio Lower Upper
330 100
332 97.0 76.6 114.8
141 34.7 26.0 39.0



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

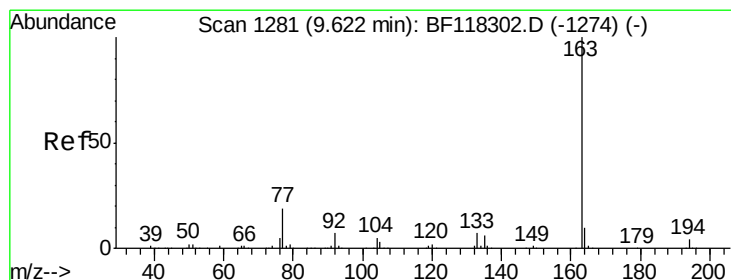
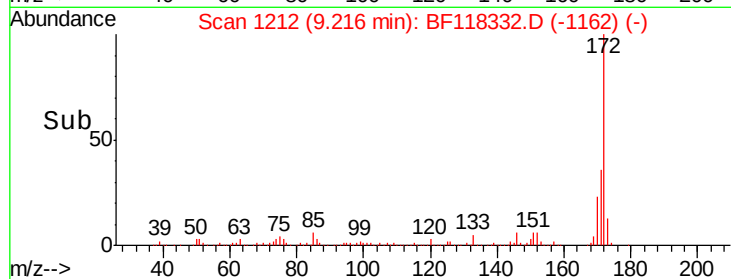
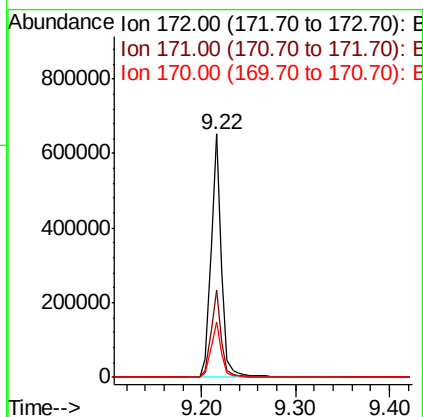
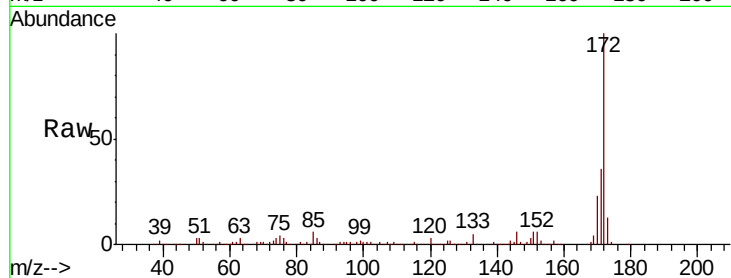




#45
2-Fluorobiphenyl
Concen: 51.588 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

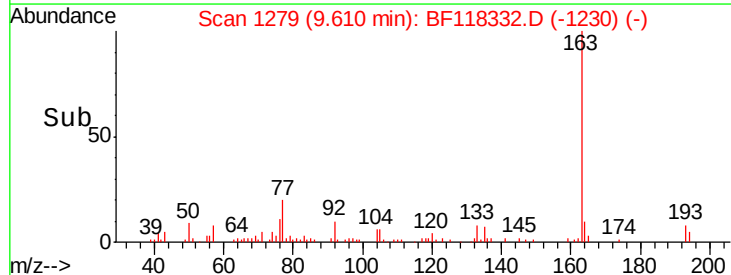
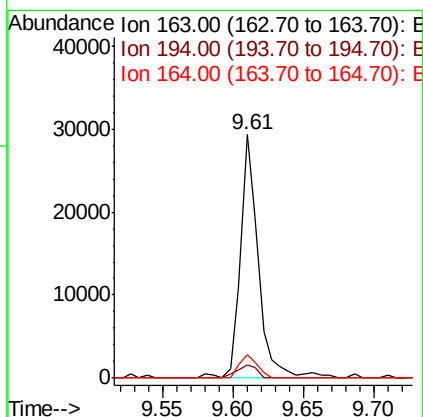
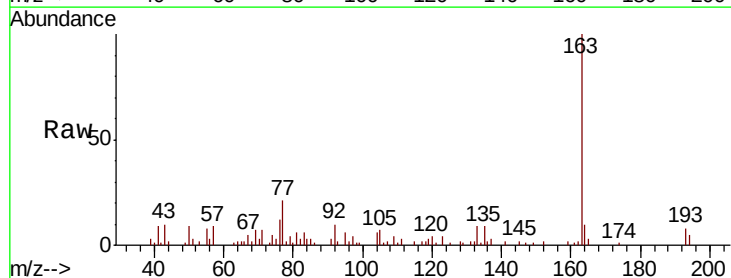
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BNA_F
ClientSampleId :

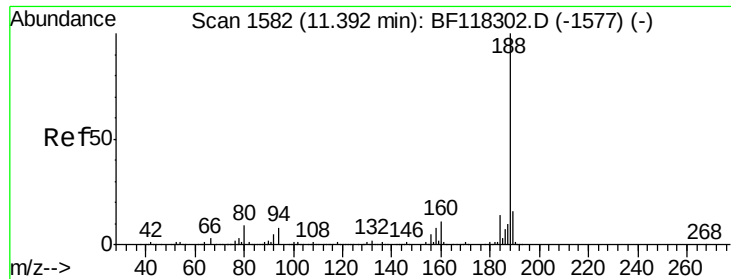
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.3	43.9
170	22.8	19.2	28.8



#50
Dimethylphthalate
Concen: 2.270 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.4	3.2	4.8#
164	9.8	7.9	11.9

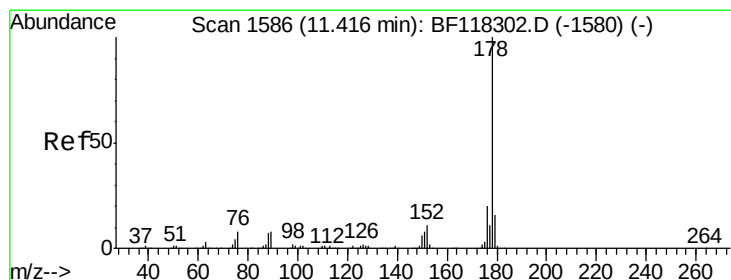
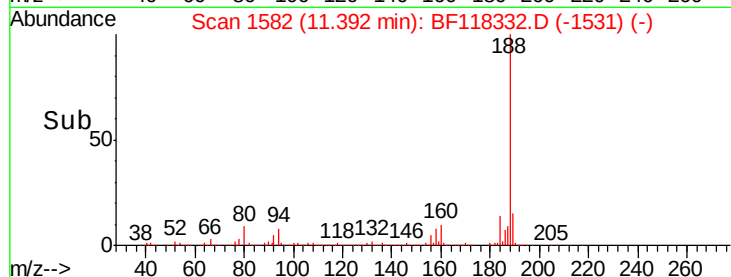
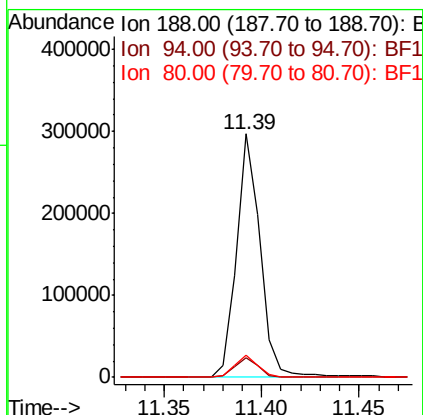
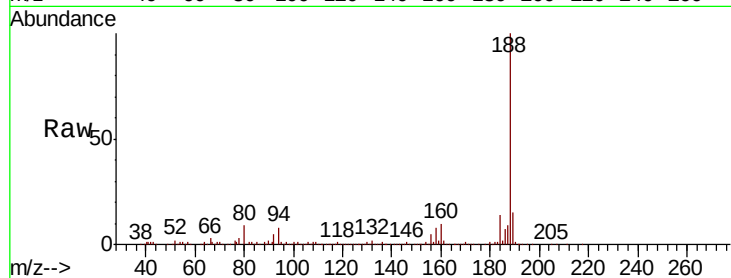




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.00 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

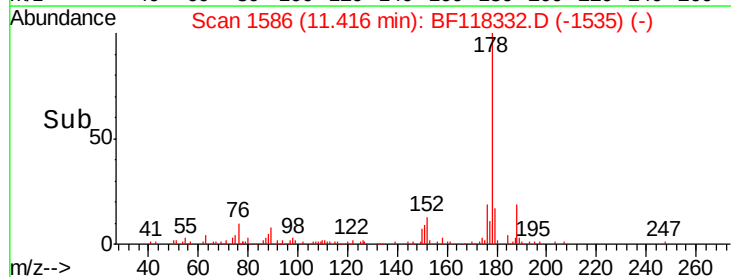
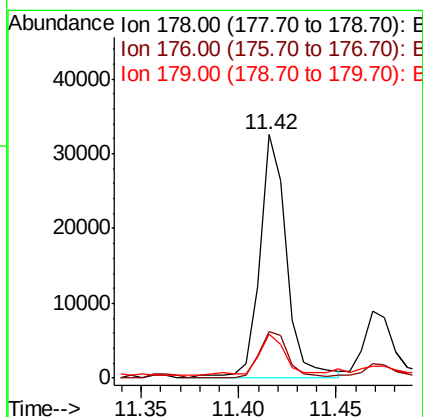
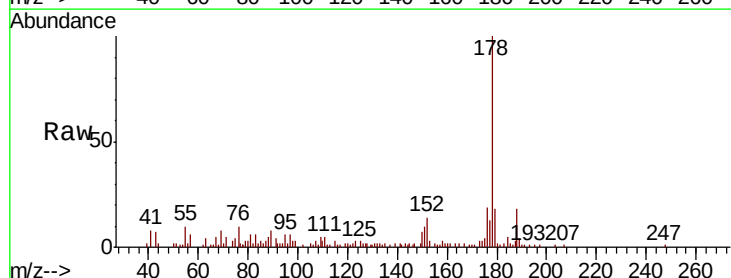
Instrument :
BNA_F
ClientSampleId :

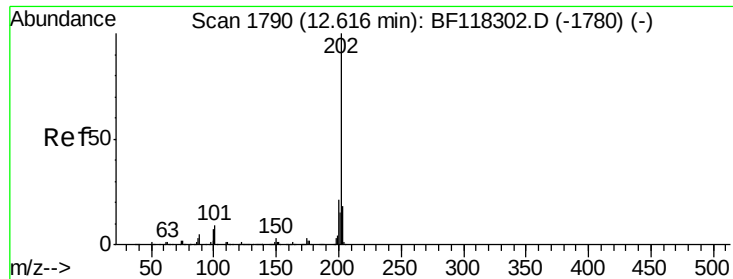
Tot Ion:188 Resp: 249858
Ion Ratio Lower Upper
188 100
94 8.2 6.7 10.1
80 9.3 7.2 10.8



#71
Phenanthrene
Concen: 2.281 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion:178 Resp: 31070
Ion Ratio Lower Upper
178 100
176 19.0 15.6 23.4
179 18.2 12.6 19.0





#75

Fluoranthene

Concen: 8.060 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BF118332.D

Acq: 26 Dec 2019 22:36

Instrument :

BNA_F

ClientSampleId :

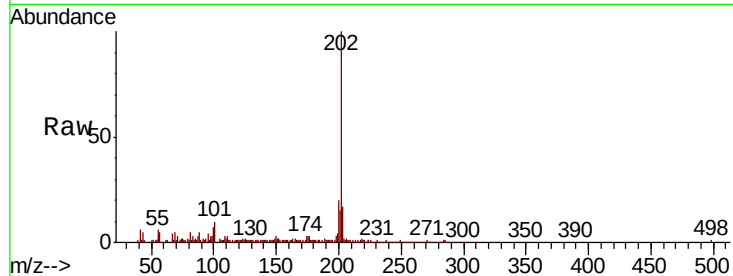
Tot Ion:202 Resp: 110804

Ion Ratio Lower Upper

202 100

101 9.6 0.0 29.5

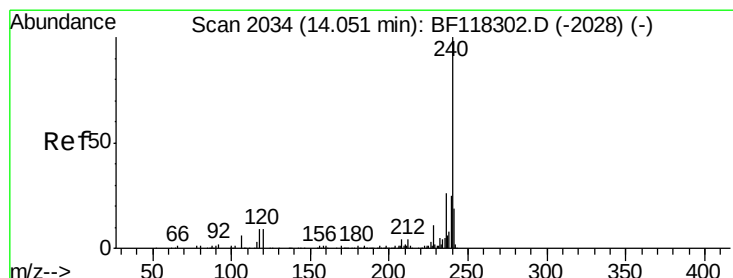
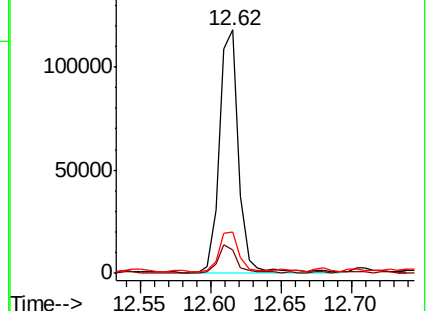
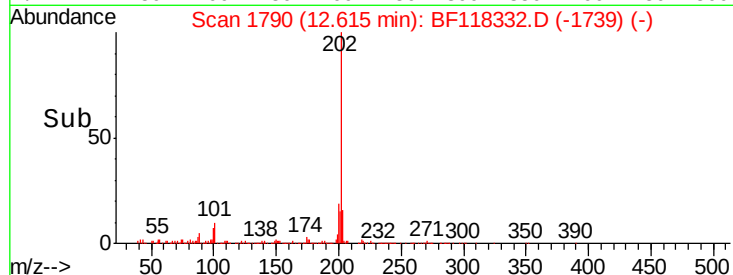
203 16.8 0.0 37.6



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: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF118332.D

Acq: 26 Dec 2019 22:36

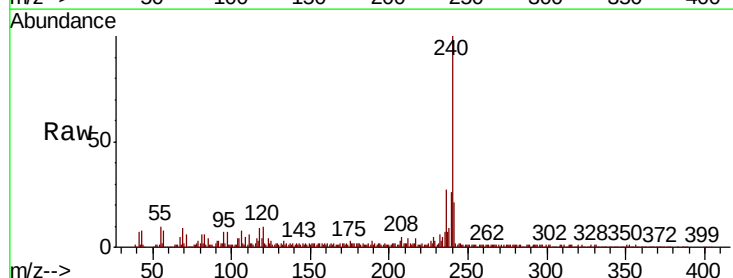
Tgt Ion:240 Resp: 190223

Ion Ratio Lower Upper

240 100

120 10.4 7.1 10.7

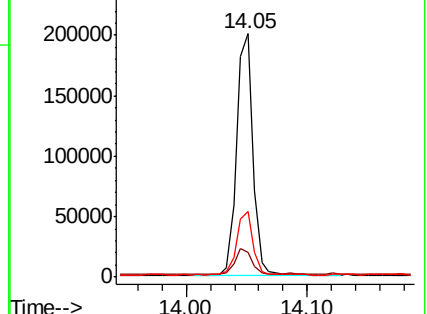
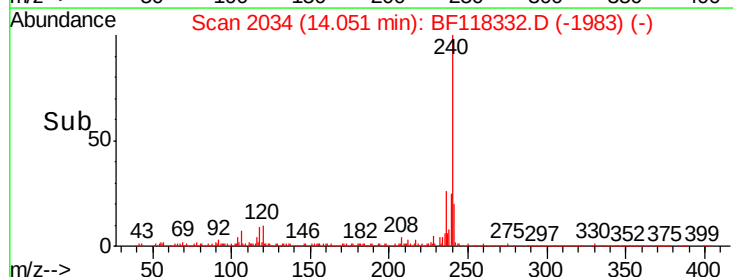
236 26.8 21.0 31.6

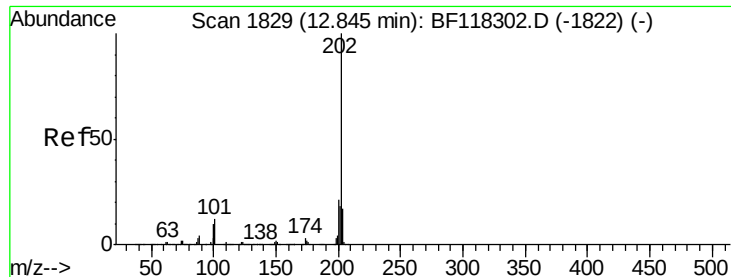


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

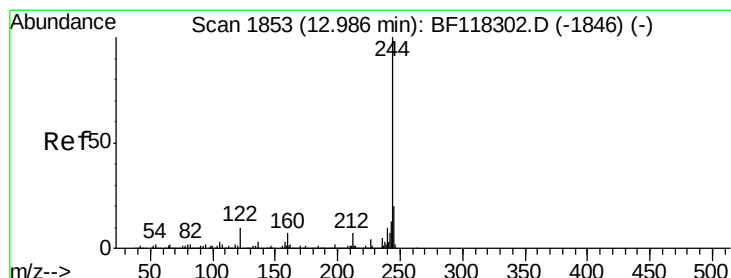
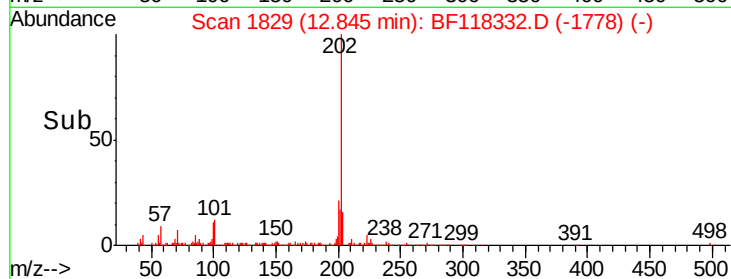
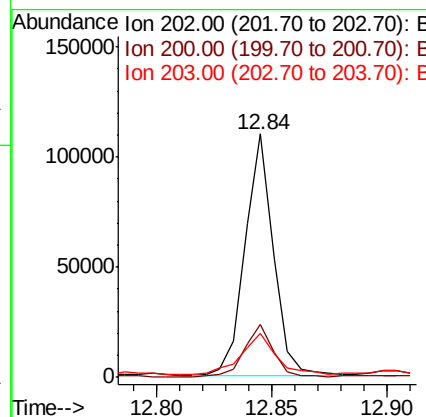
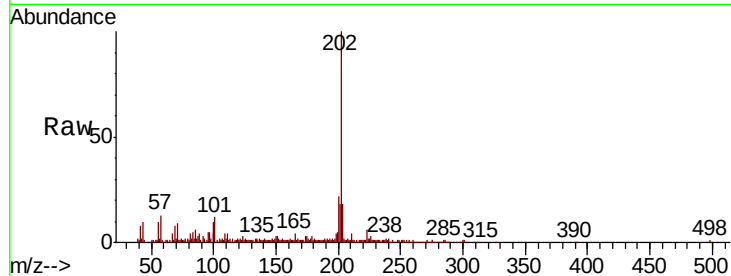




#78
Pvrene
Concen: 6.084 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.00 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

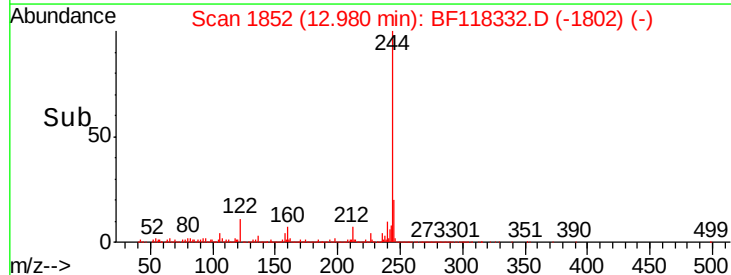
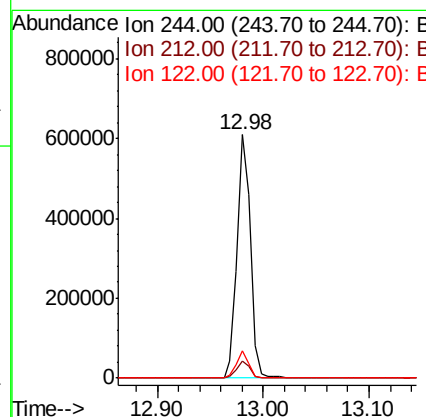
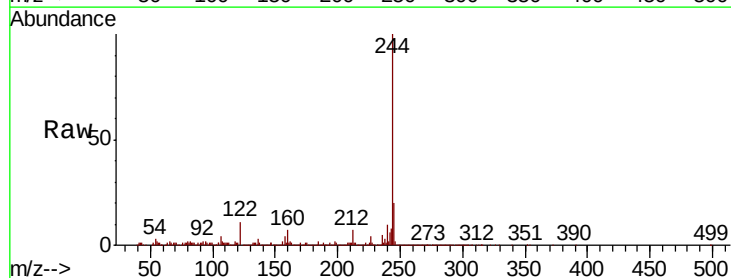
Instrument :
BNA_F
ClientSampleId :

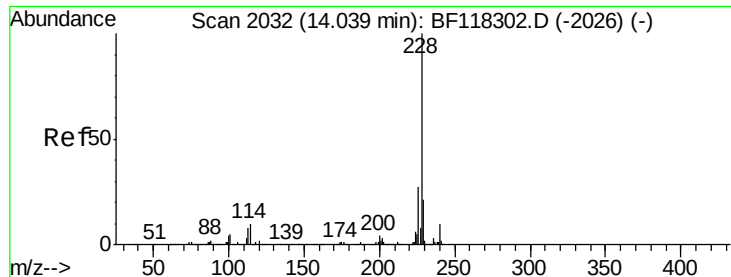
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.8	25.2
203	17.8	13.9	20.9



#79
Terphenyl-d14
Concen: 46.111 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	11.3	7.8	11.8





#81

Benzo(a)anthracene

Concen: 3.219 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BF118332.D

Acq: 26 Dec 2019 22:36

Instrument :

BNA_F

ClientSampleId :

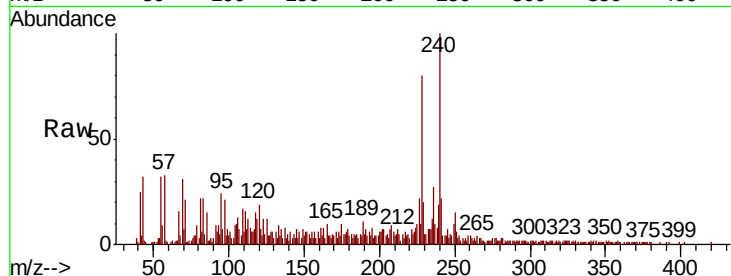
Tot Ion:228 Resp: 42861

Ion Ratio Lower Upper

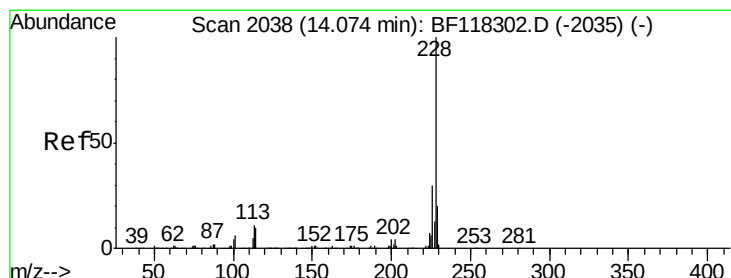
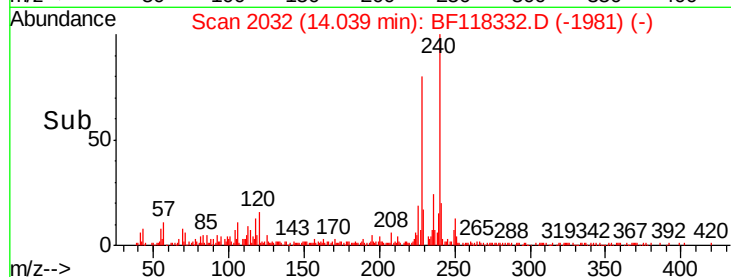
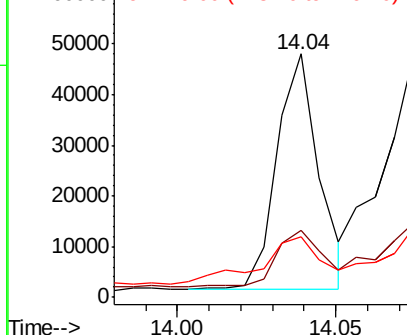
228 100

226 27.5 22.0 33.0

229 25.0 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: 3.958 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.00 min

Lab File: BF118332.D

Acq: 26 Dec 2019 22:36

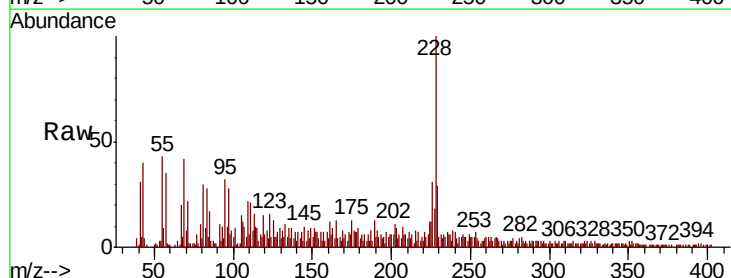
Tgt Ion:228 Resp: 50456

Ion Ratio Lower Upper

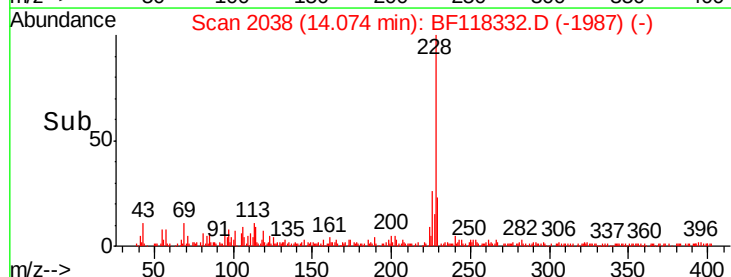
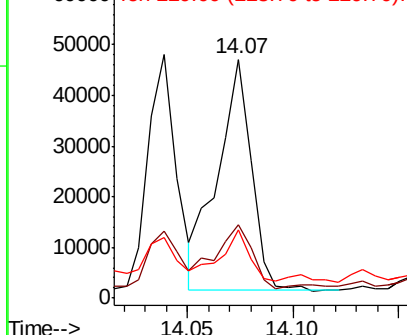
228 100

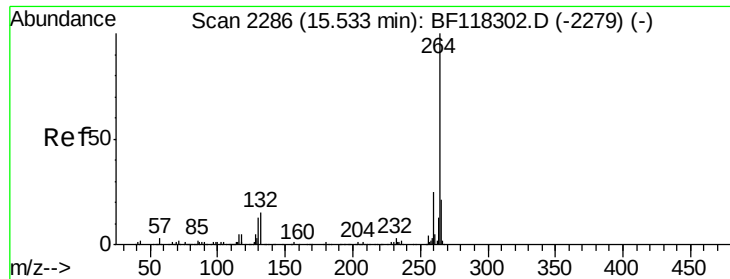
226 30.8 23.9 35.9

229 28.7 16.1 24.1#



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

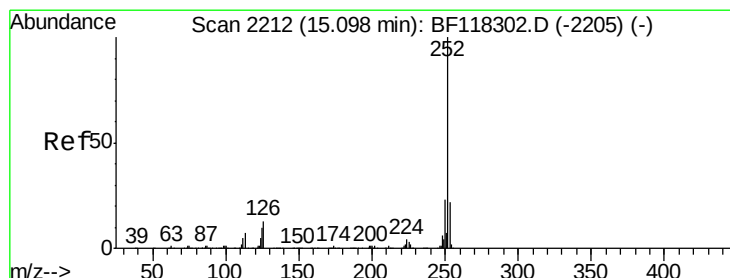
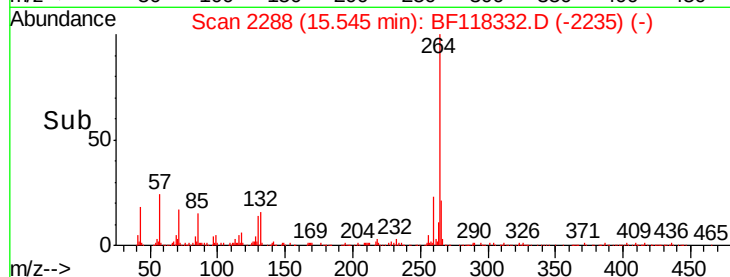
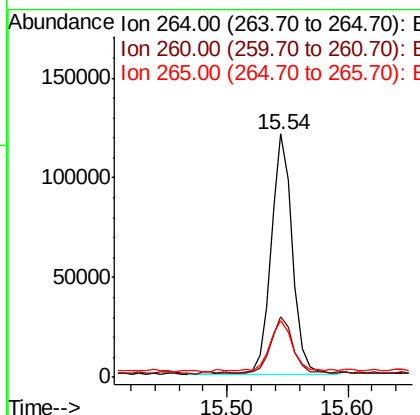
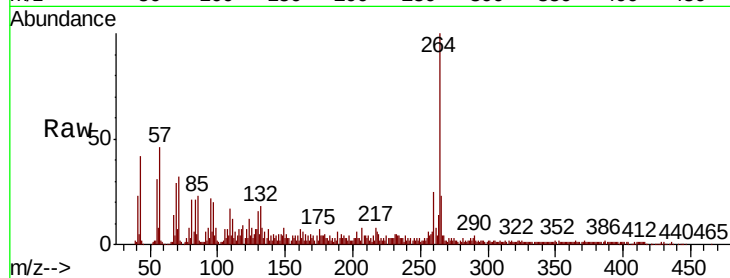




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.01 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

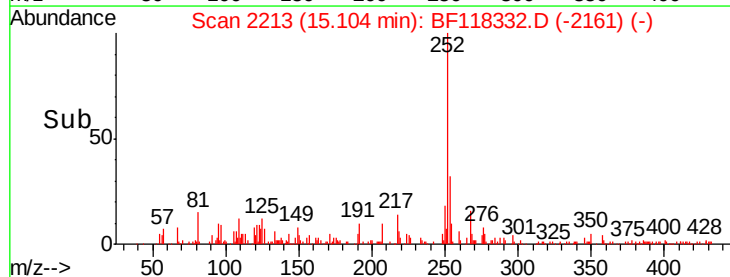
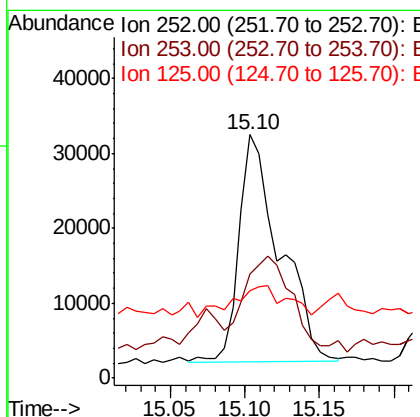
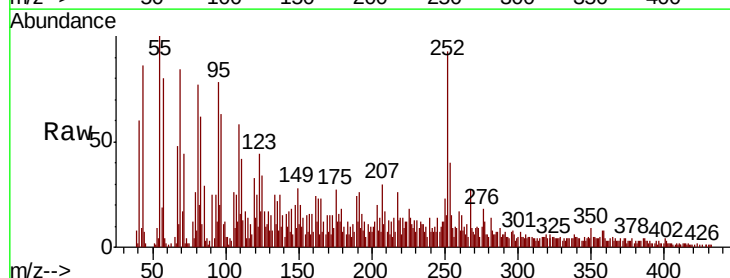
Instrument :
BNA_F
ClientSampleId :

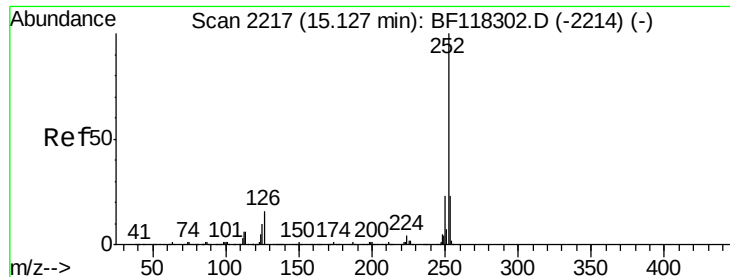
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.8	29.6
265	23.3	17.0	25.4



#88
Benzo(b)fluoranthene
Concen: 5.956 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	42.9	17.5	26.3#
125	36.1	7.7	11.5#

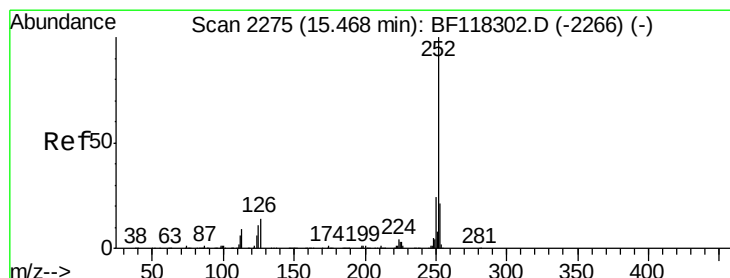
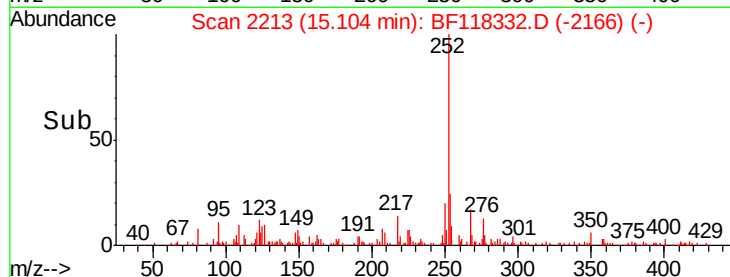
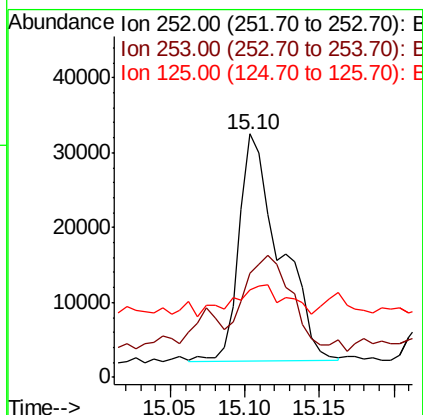
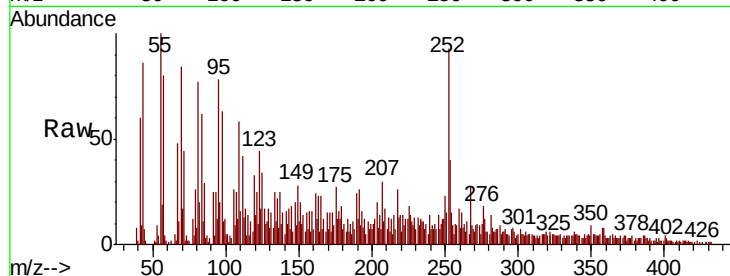




#89
Benzo(k)fluoranthene
Concen: 6.203 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.02 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

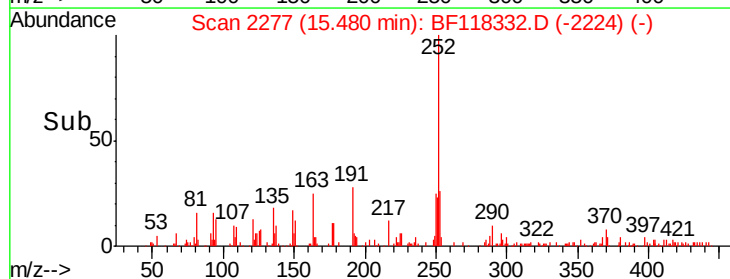
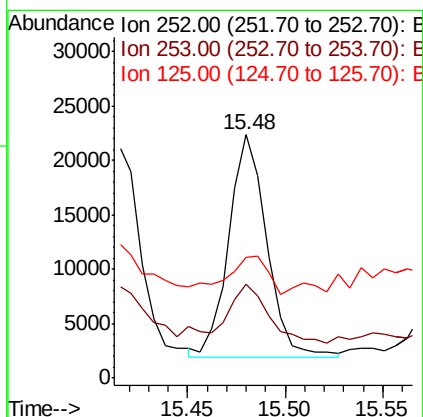
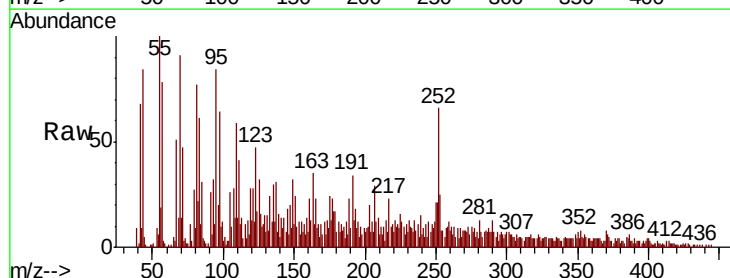
Instrument :
BNA_F
ClientSampleId :

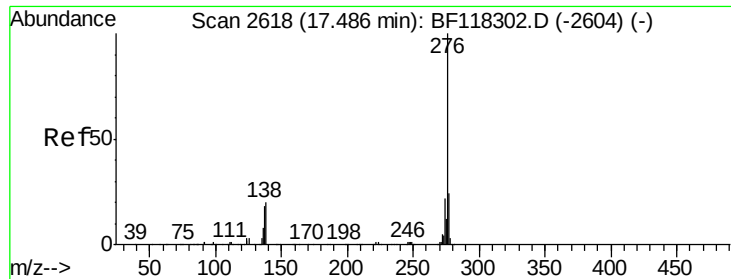
Tot Ion	Ratio	Lower	Upper
252	100		
253	42.9	18.0	27.0#
125	36.1	8.0	12.0#



#90
Benzo(a)pyrene
Concen: 3.185 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	38.7	17.0	25.6#
125	49.3	9.0	13.4#

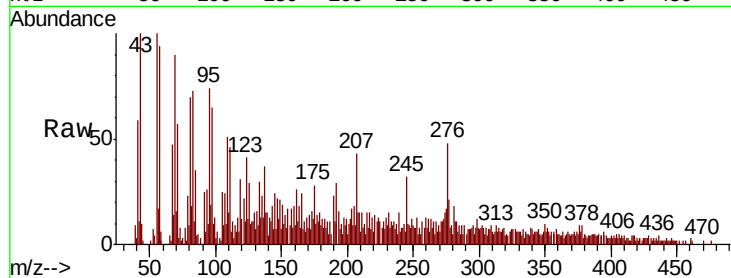




#92
 Benzo(a,h,i)perylene
 Concen: 2.523 ng
 RT: 17.52 min Scan# 2623
 Delta R.T. 0.03 min
 Lab File: BF118332.D
 Acq: 26 Dec 2019 22:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	43.7	19.1	28.7
138	30.4	16.1	24.1



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

