

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
 Data File : BF118222.D
 Acq On : 17 Dec 2019 3:14
 Operator : JU
 Sample : K6284-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 17 04:42:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	94107	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	357385	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	178911	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	308630	20.00	ng	0.00
76) Chrysene-d12	14.06	240	219039	20.00	ng	-0.01
87) Perylene-d12	15.55	264	265121	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	569772	106.04	ng	0.00
7) Phenol-d6	6.49	99	728007	112.02	ng	0.00
23) Nitrobenzene-d5	7.43	82	425186	66.93	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	219396	100.94	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	805739	68.53	ng	-0.01
79) Terphenyl-d14	12.99	244	691773	54.31	ng	-0.01

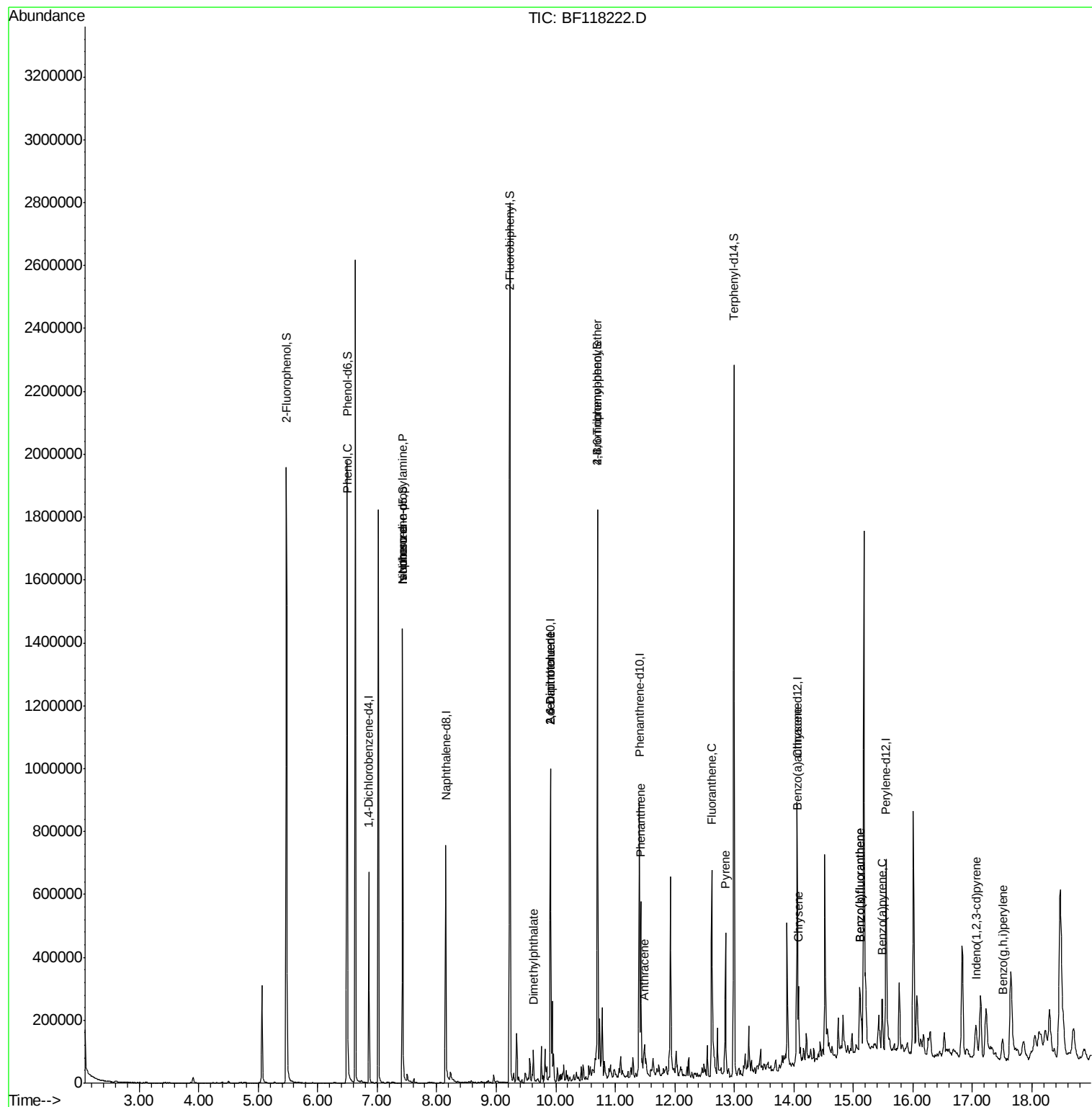
Target Compounds				Qvalue		
9) Benzaldehyde	6.50	77	1369	Below Cal	#	35
10) Phenol	6.50	94	22699	3.063 ng		83
19) n-Nitroso-di-n-propylamine	7.43	70	58460	14.804 ng	#	76
25) Isophorone	7.43	82	422218	39.207 ng	#	62
50) Dimethylphthalate	9.62	163	38125	2.885 ng		100
51) 2,6-Dinitrotoluene	9.91	165	23878	8.310 ng	#	26
57) 2,4-Dinitrotoluene	9.91	165	23878	6.226 ng	#	25
67) 4-Bromophenyl-phenylether	10.70	248	13496	3.831 ng	#	1
71) Phenanthrene	11.43	178	178838	10.900 ng		100
72) Anthracene	11.48	178	34429	2.104 ng		98
75) Fluoranthene	12.62	202	209191	12.471 ng		99
78) Pyrene	12.85	202	176322	10.215 ng		98
81) Benzo(a)anthracene	14.04	228	95668	6.316 ng		99
83) Chrysene	14.08	228	83767	5.790 ng		97
86) Indeno(1,2,3-cd)pyrene	17.06	276	43304	3.557 ng		97
88) Benzo(b)fluoranthene	15.11	252	160520	9.155 ng		99
89) Benzo(k)fluoranthene	15.11	252	160520	9.529 ng	#	98
90) Benzo(a)pyrene	15.49	252	80457	5.195 ng		97
92) Benzo(a,h,i)perylene	17.51	276	37980	2.976 ng	#	91

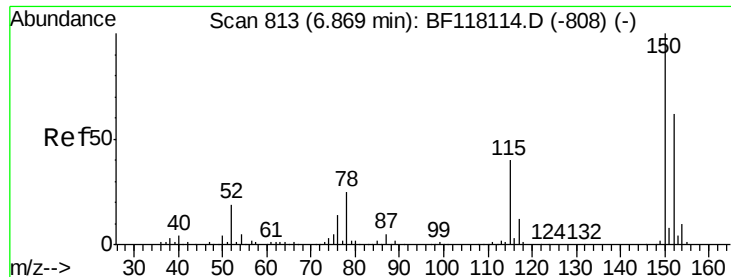
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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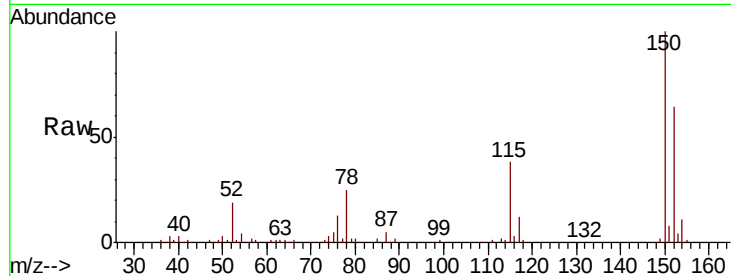


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	128.3	192.5
115	59.6	51.1	76.7

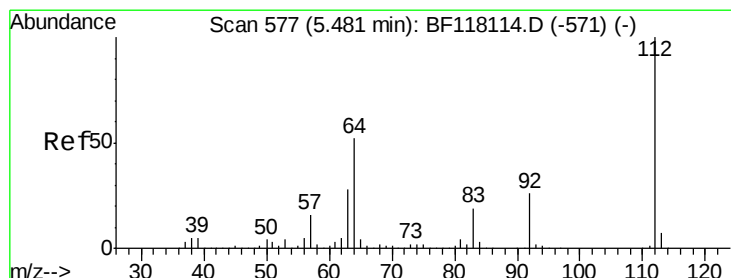
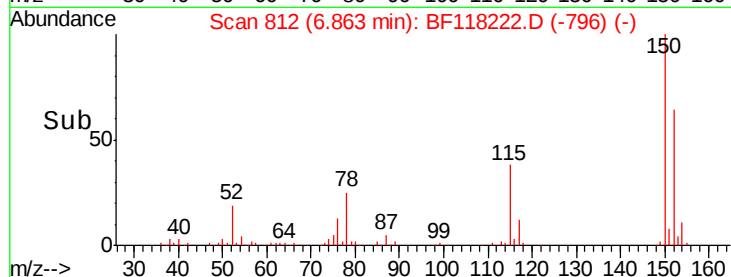
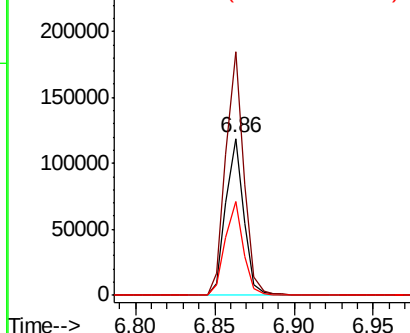


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

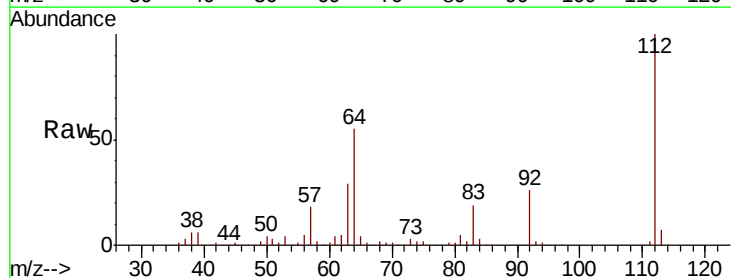
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 106.043 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	41.3	61.9
63	29.4	22.4	33.6

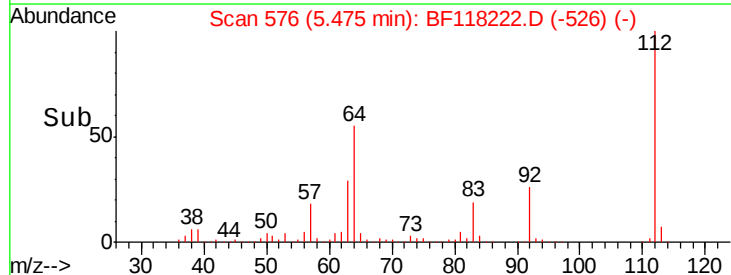
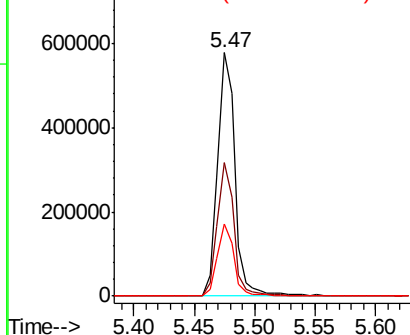


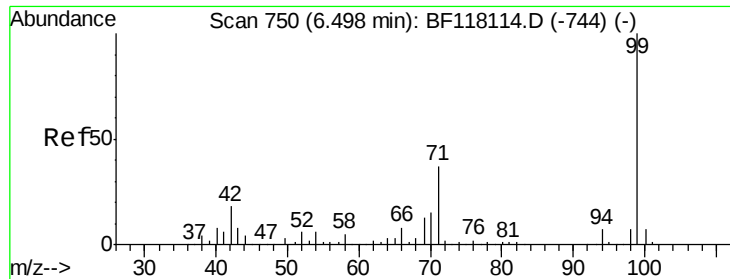
Abundance

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: 112.021 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118222.D

Acq: 17 Dec 2019 3:14

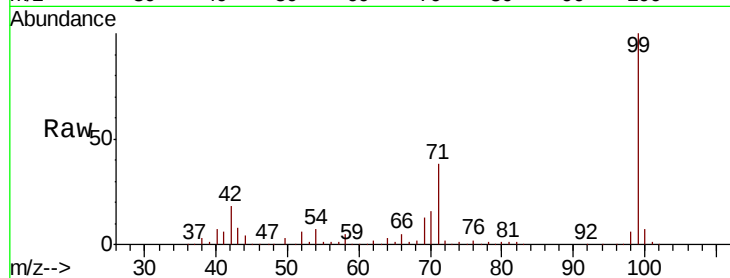
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 728007

Ion	Ratio	Lower	Upper
99	100		
42	18.1	14.1	21.1
71	37.9	29.7	44.5

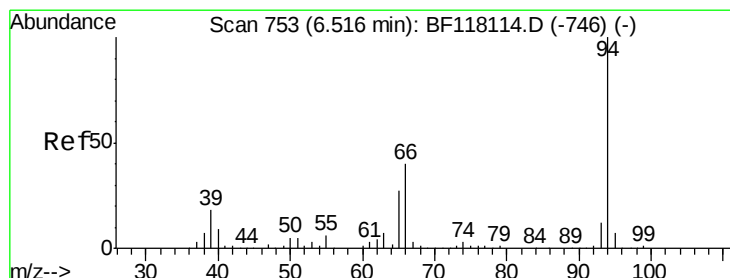
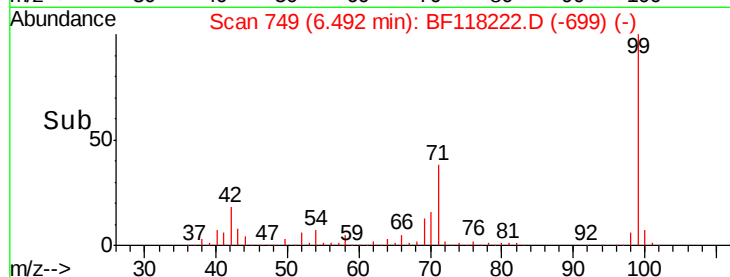
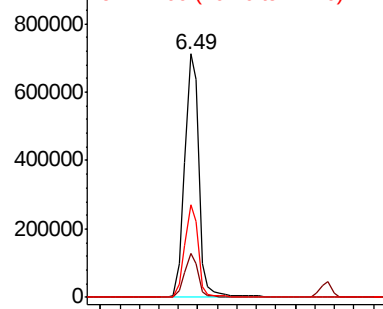


Abundance

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



#10

Phenol

Concen: 3.063 ng

RT: 6.50 min Scan# 751

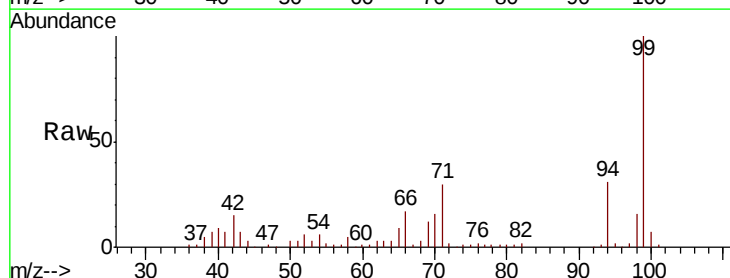
Delta R.T. -0.01 min

Lab File: BF118222.D

Acq: 17 Dec 2019 3:14

Tgt Ion: 94 Resp: 22699

Ion	Ratio	Lower	Upper
94	100		
65	31.0	7.3	47.3
66	54.7	20.2	60.2

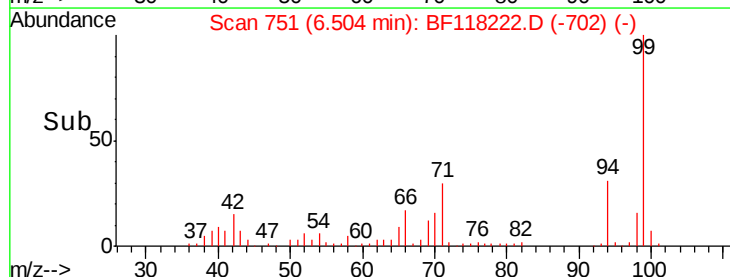
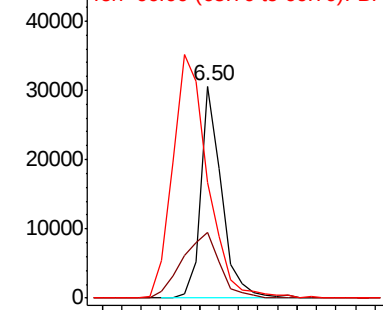


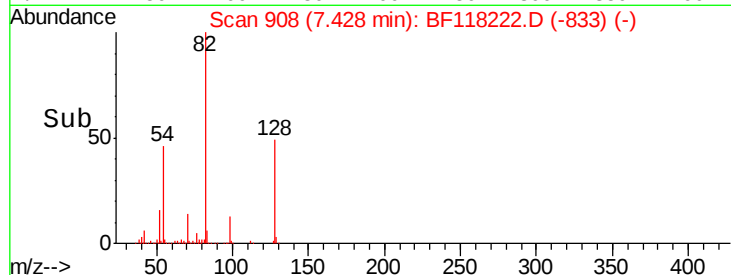
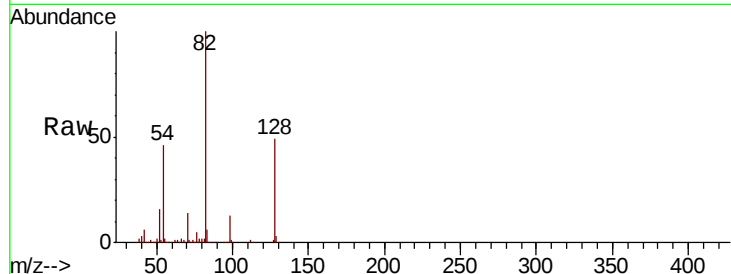
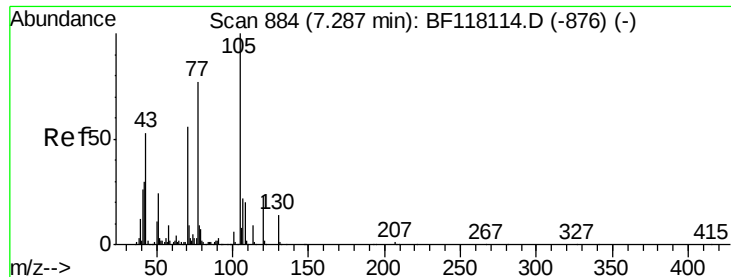
Abundance

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

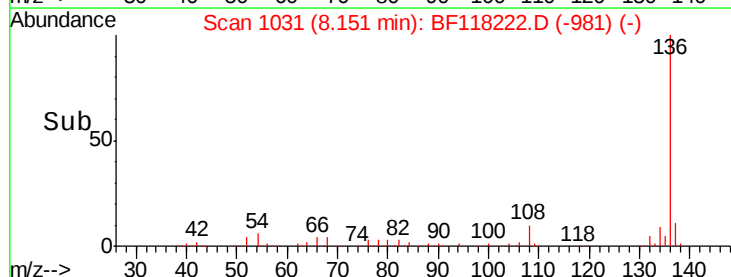
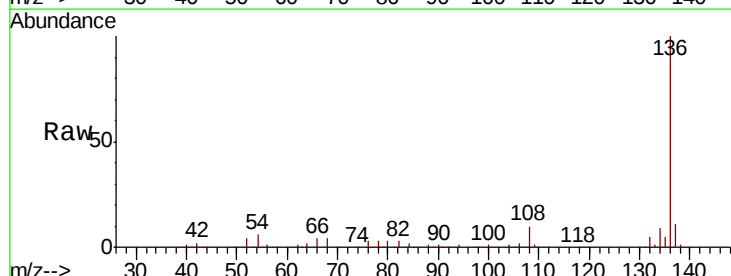
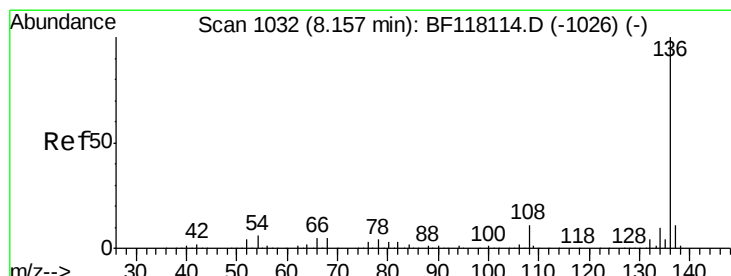
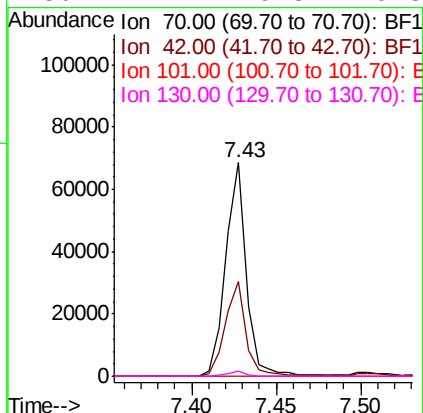




#19
n-Nitroso-di-n-propylamine
Concen: 14.804 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.14 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

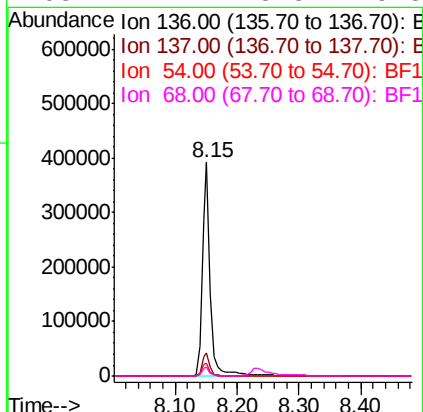
Instrument :
BNA_F
ClientSampleId :

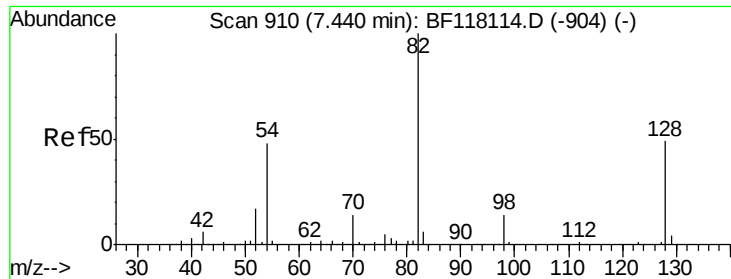
Tot Ion	Ratio	Lower	Upper
70	100		
42	44.3	43.2	64.8
101	0.0	8.1	12.1#
130	2.2	19.8	29.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.6
54	5.8	5.0	7.6
68	4.2	3.8	5.8

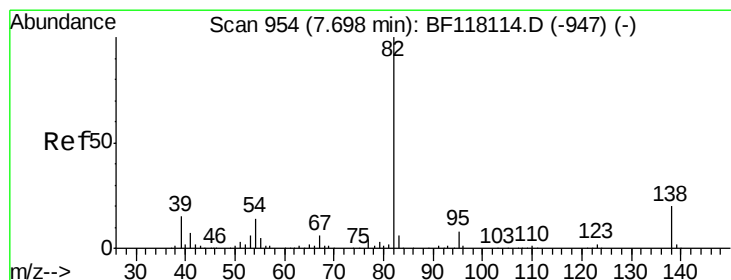
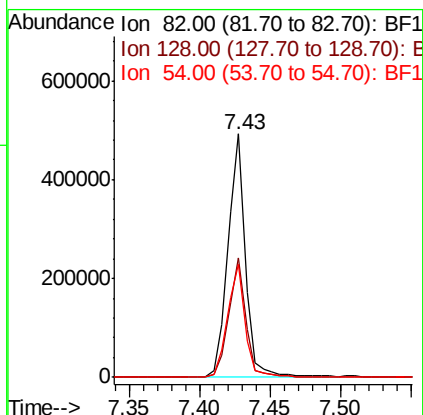
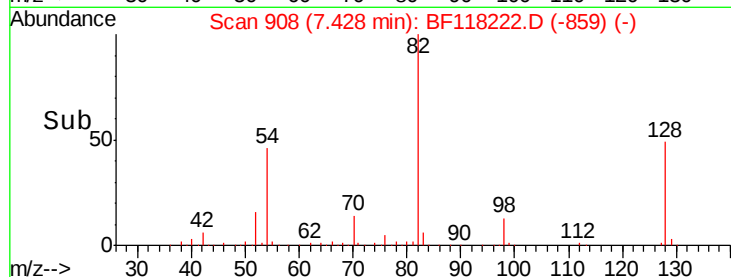
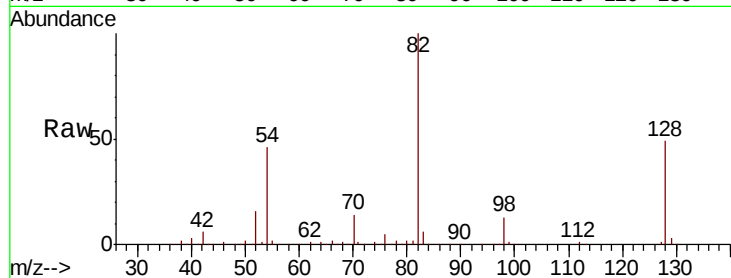




#23
Nitrobenzene-d5
Concen: 66.931 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

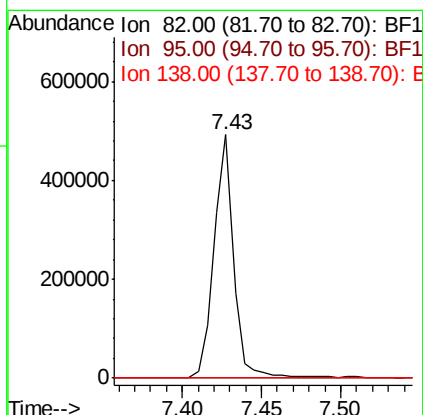
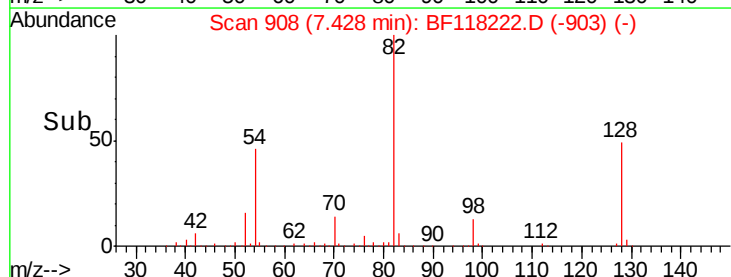
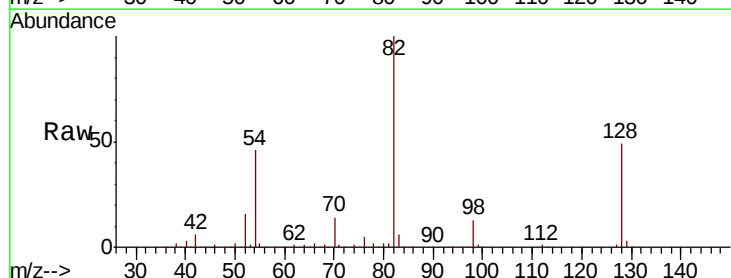
Instrument :
BNA_F
ClientSampleId :

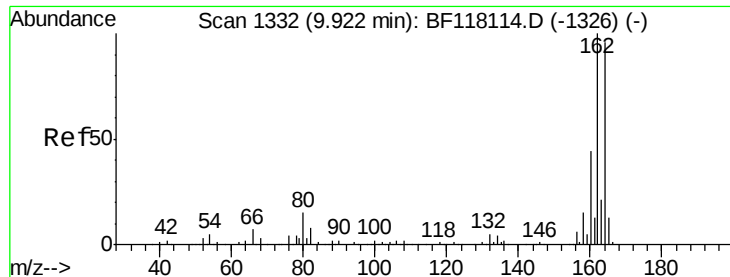
Tot Ion	82	Resp	425186
Ion Ratio	Lower	Upper	
82	100		
128	49.0	39.1	58.7
54	46.4	38.2	57.2



#25
Isophorone
Concen: 39.207 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.27 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

Tgt Ion	82	Resp	422218
Ion Ratio	Lower	Upper	
82	100		
95	0.0	6.3	9.5#
138	0.0	16.3	24.5#

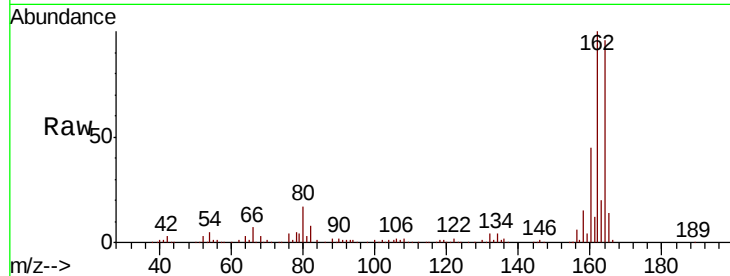




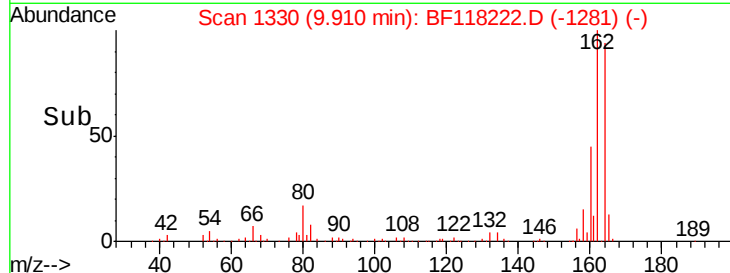
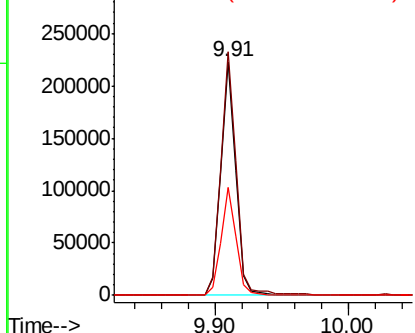
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 178911
Ion Ratio Lower Upper
164 100
162 104.1 83.4 125.0
160 46.4 36.6 54.8

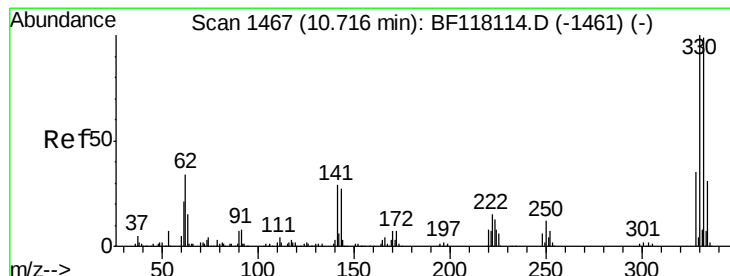


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

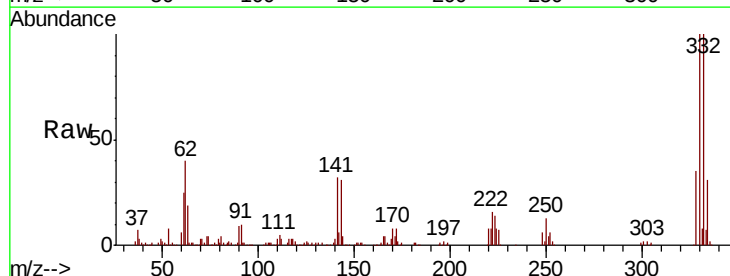
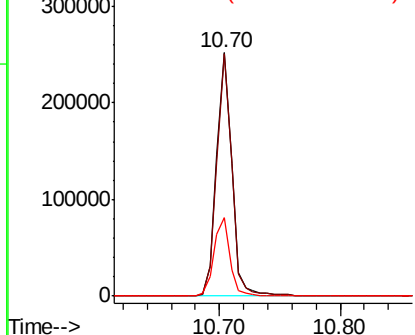


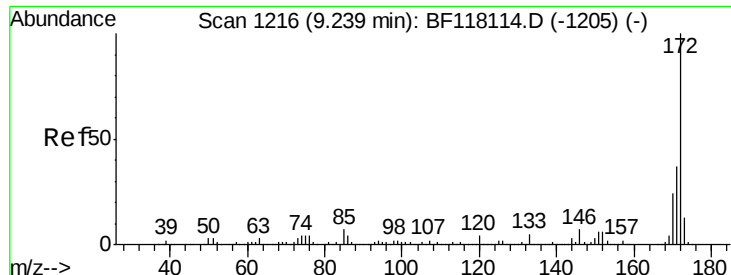
#42
2,4,6-Tribromophenol
Concen: 100.944 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

Tgt Ion:330 Resp: 219396
Ion Ratio Lower Upper
330 100
332 98.0 78.1 117.1
141 33.8 26.9 40.3



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

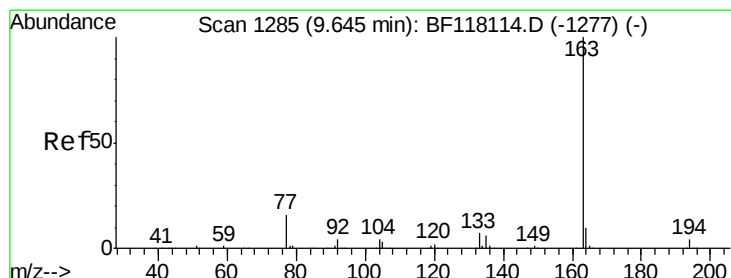
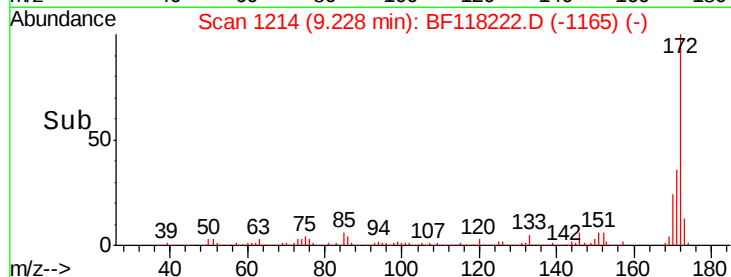
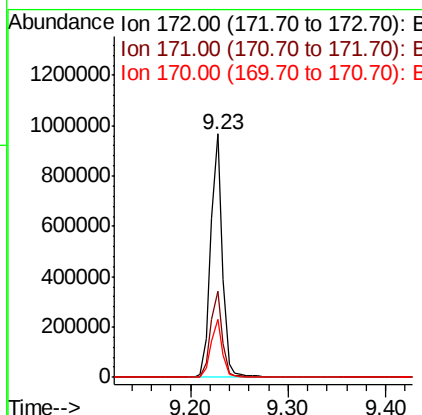
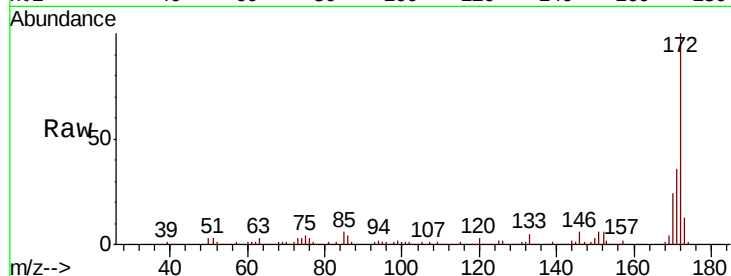




#45
2-Fluorobiphenyl
Concen: 68.528 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

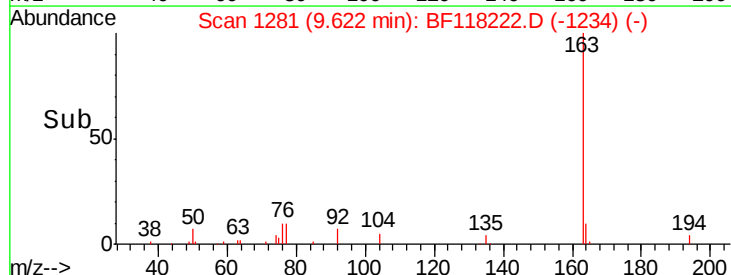
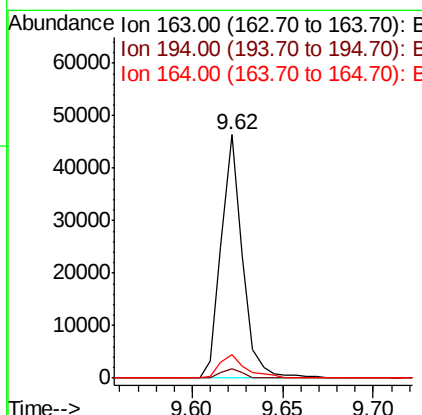
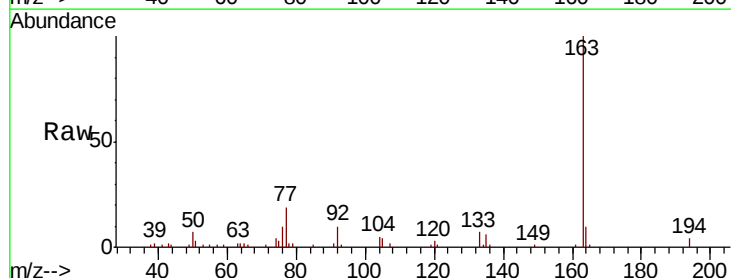
Instrument :
BNA_F
ClientSampleId :

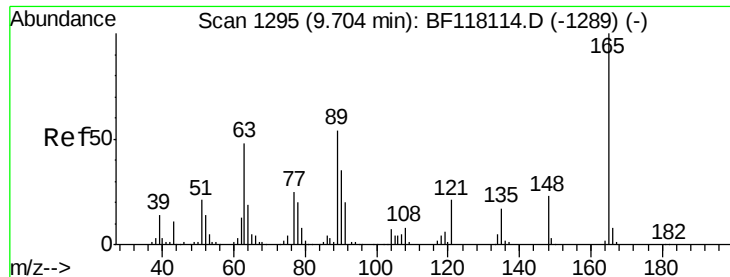
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.2	43.8
170	23.6	19.4	29.2



#50
Dimethylphthalate
Concen: 2.885 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	9.8	7.7	11.5

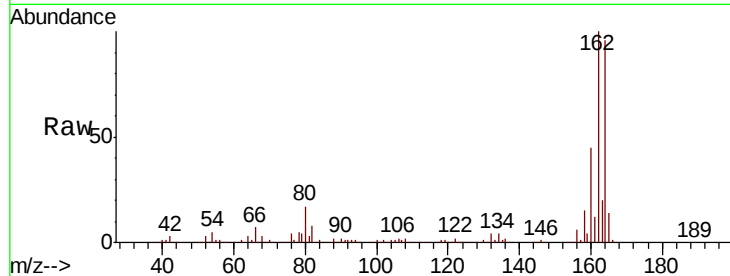




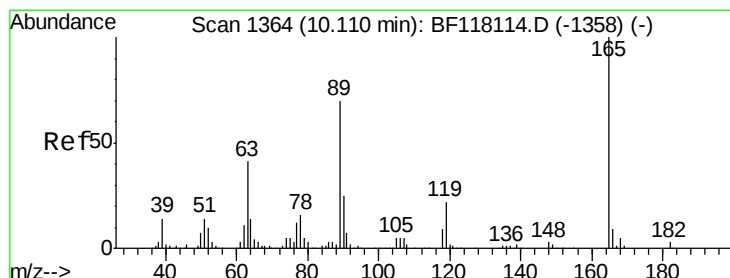
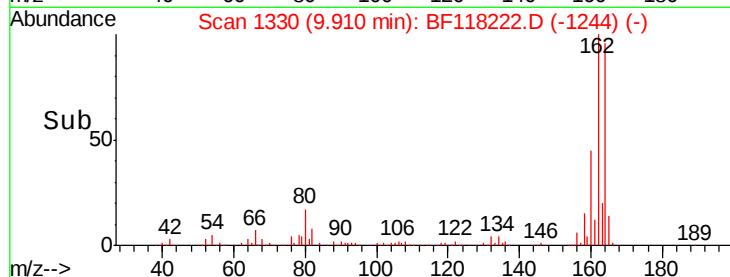
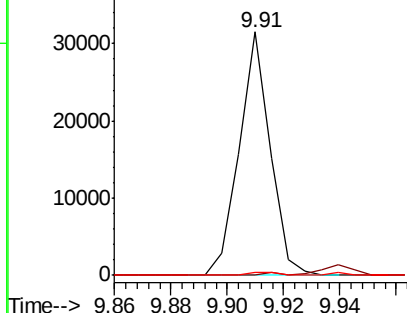
#51
 2,6-Dinitrotoluene
 Concen: 8.310 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.21 min
 Lab File: BF118222.D
 Acq: 17 Dec 2019 3:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.4	62.0#
89	1.3	42.9	64.3#



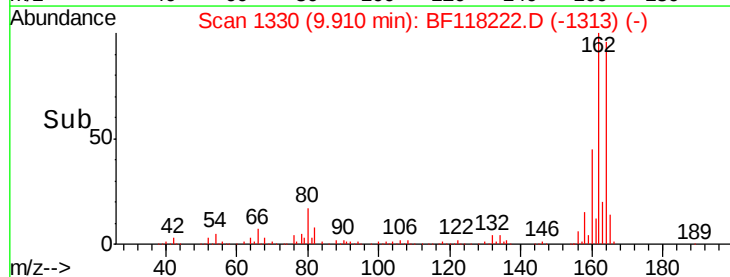
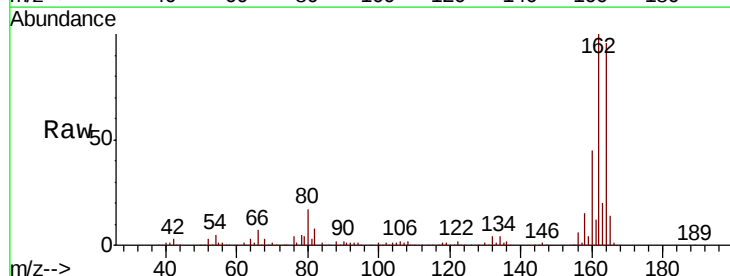
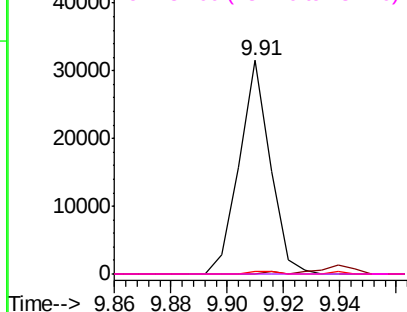
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

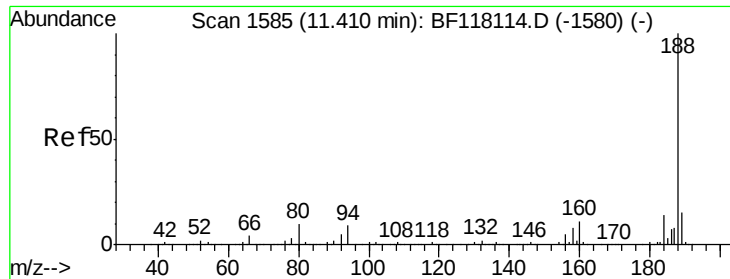


#57
 2,4-Dinitrotoluene
 Concen: 6.226 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF118222.D
 Acq: 17 Dec 2019 3:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	32.6	49.0#
89	1.3	56.1	84.1#
182	0.0	2.1	3.1#

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

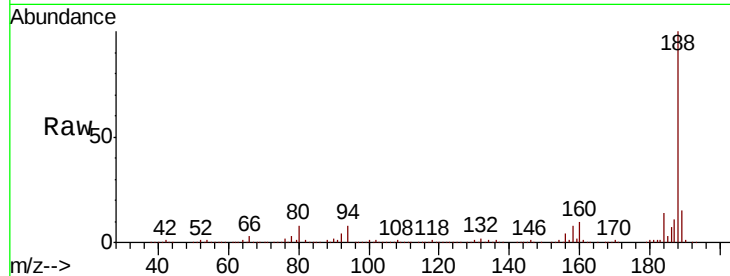




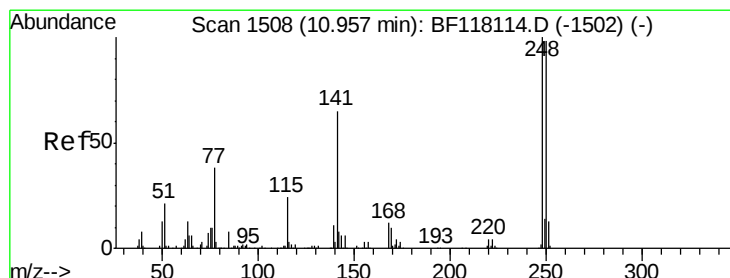
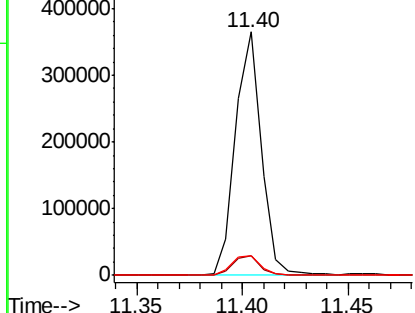
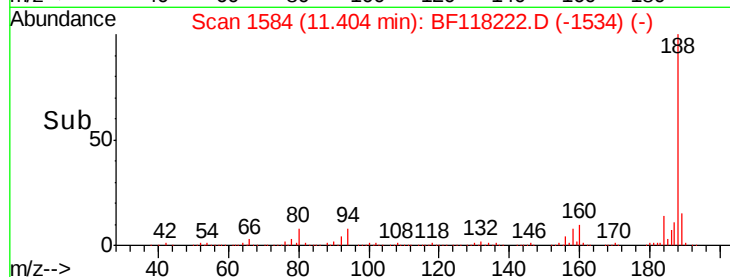
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118222.D
 Acq: 17 Dec 2019 3:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	7.8	7.1	10.7
80	8.0	7.9	11.9

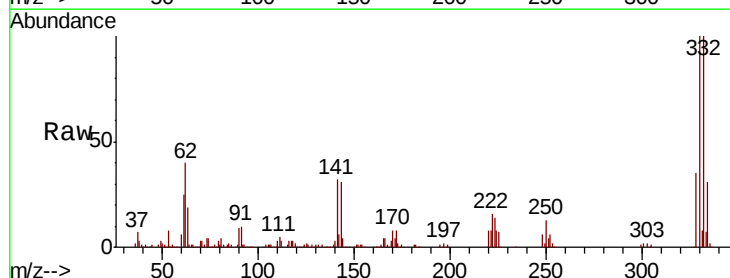


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

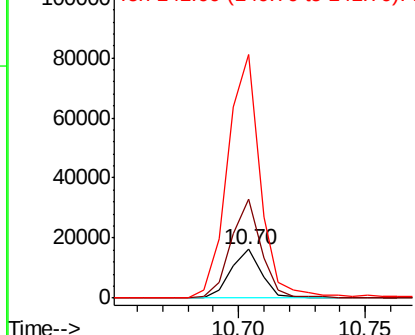
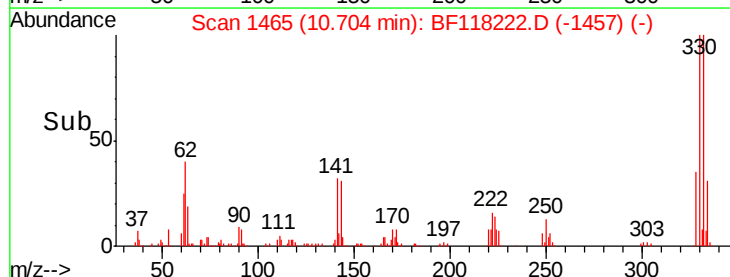


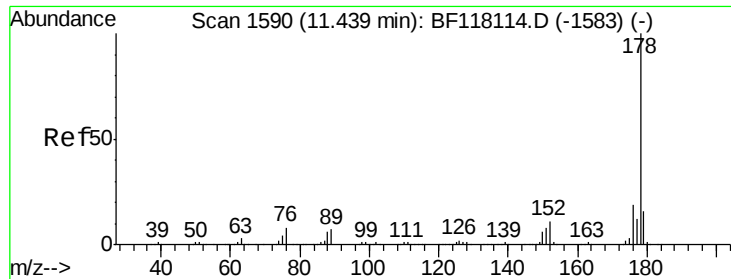
#67
 4-Bromophenyl-phenylether
 Concen: 3.831 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF118222.D
 Acq: 17 Dec 2019 3:14

Tgt Ion	Ratio	Lower	Upper
248	100		
250	203.5	78.3	117.5#
141	502.1	52.2	78.4#



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

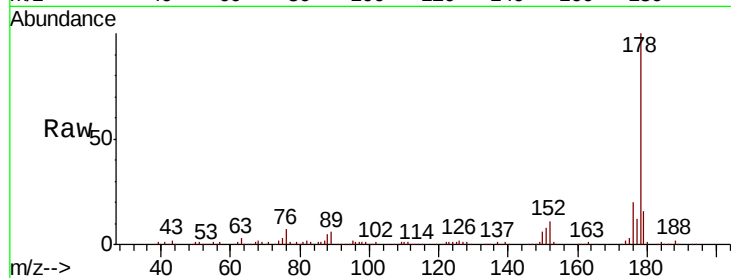




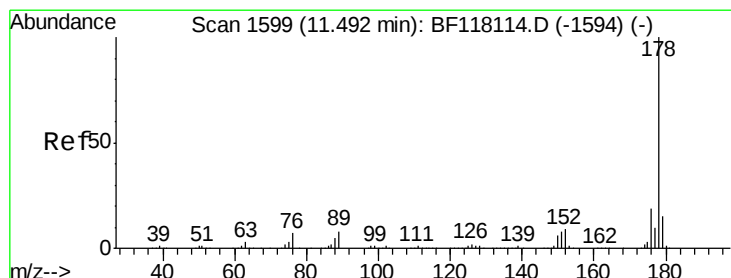
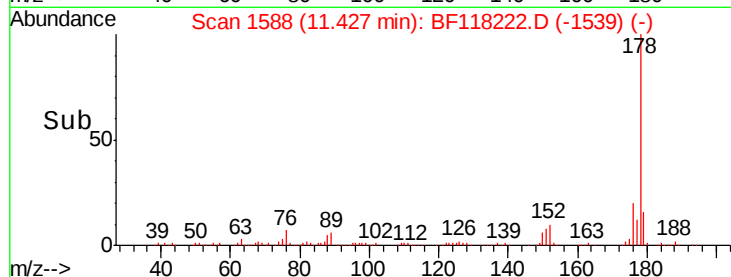
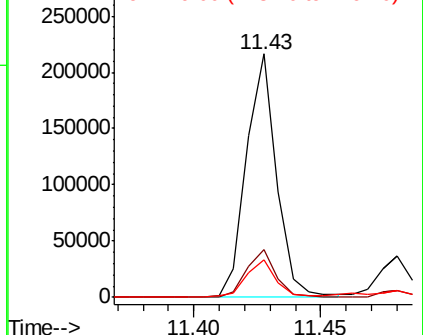
#71
Phenanthrene
Concen: 10.900 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 178838
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 15.6 12.6 18.8

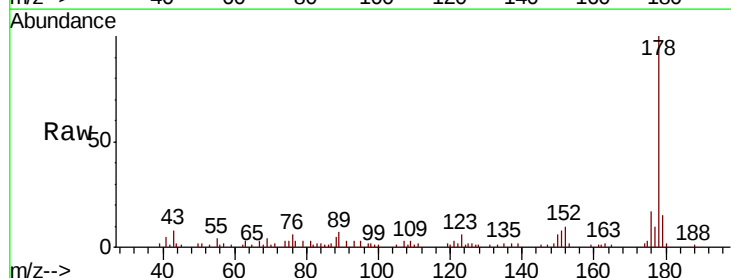


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

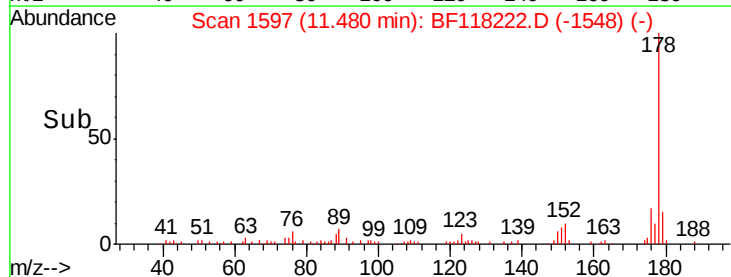
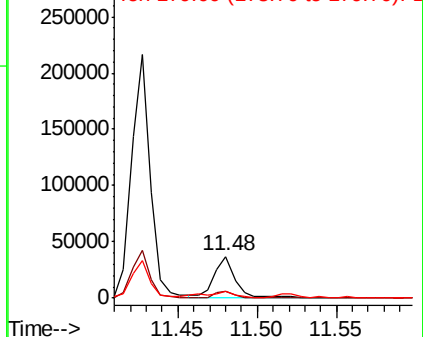


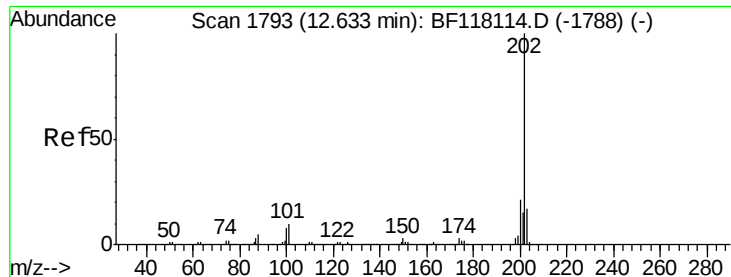
#72
Anthracene
Concen: 2.104 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

Tgt Ion:178 Resp: 34429
Ion Ratio Lower Upper
178 100
176 17.5 15.0 22.6
179 15.1 12.2 18.4



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: 12.471 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF118222.D

Acq: 17 Dec 2019 3:14

Instrument :

BNA_F

ClientSampleId :

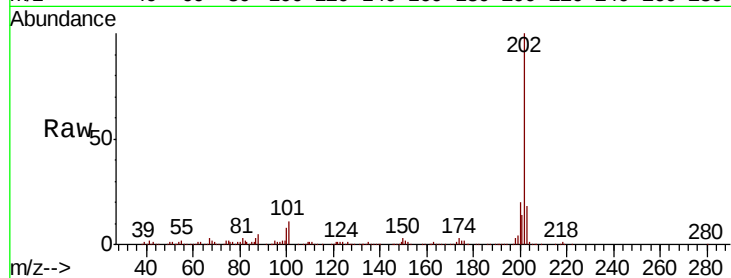
Tot Ion:202 Resp: 209191

Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.4

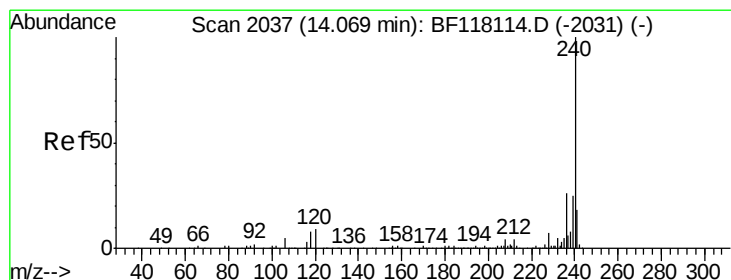
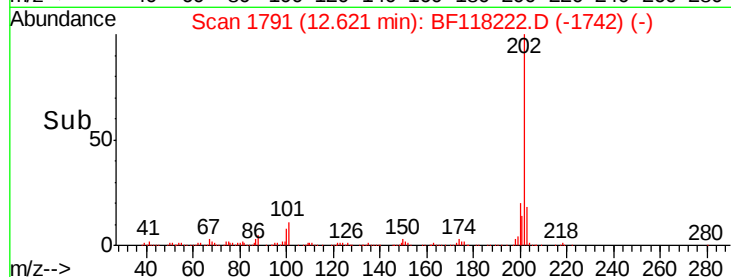
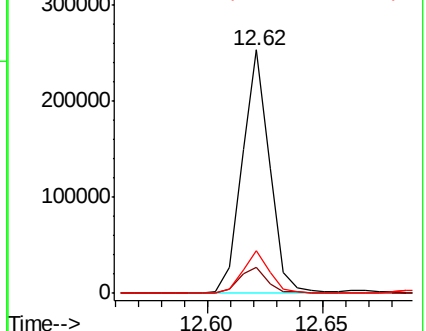
203 17.7 0.0 37.2



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: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF118222.D

Acq: 17 Dec 2019 3:14

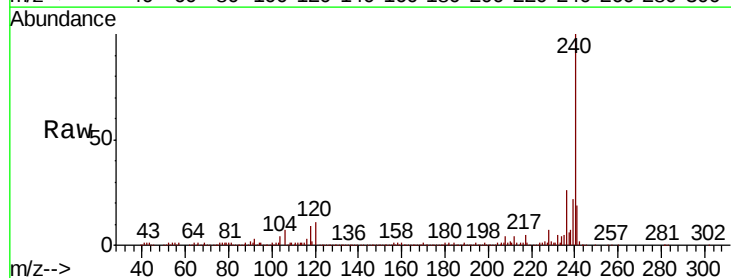
Tgt Ion:240 Resp: 219039

Ion Ratio Lower Upper

240 100

120 10.9 7.1 10.7#

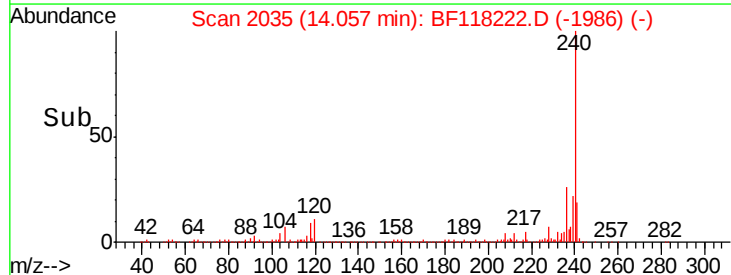
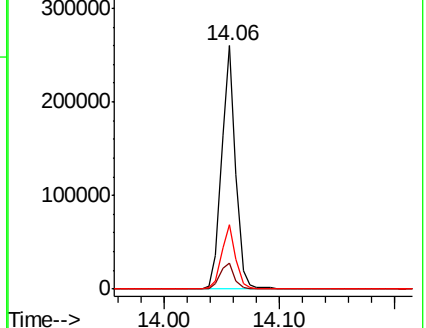
236 26.4 21.0 31.6

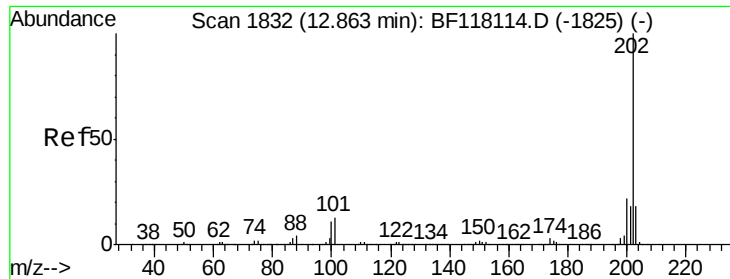


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

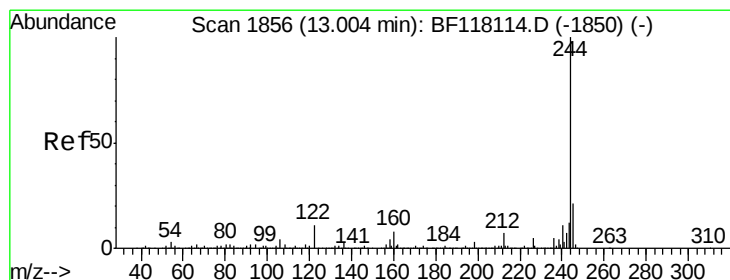
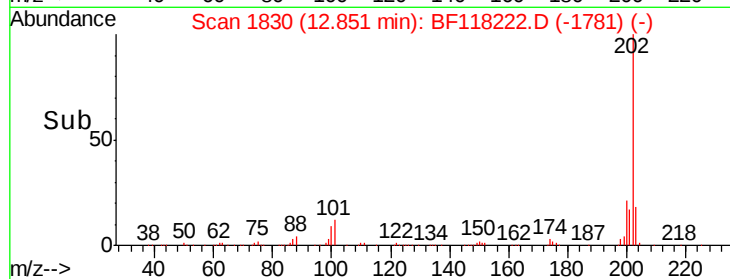
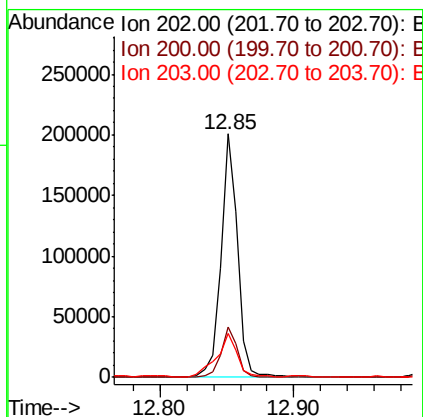
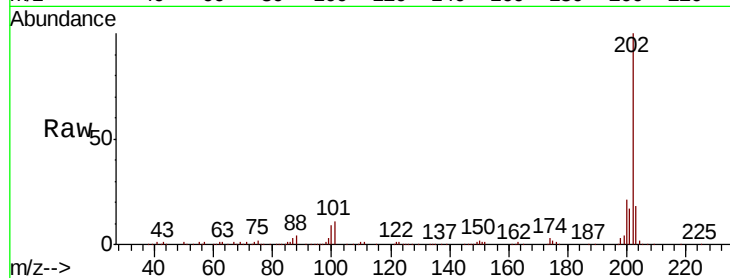




#78
Pvrene
Concen: 10.215 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

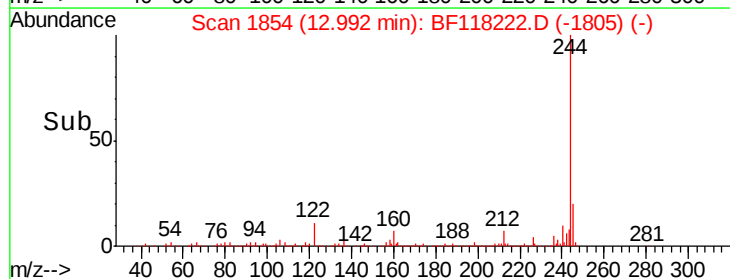
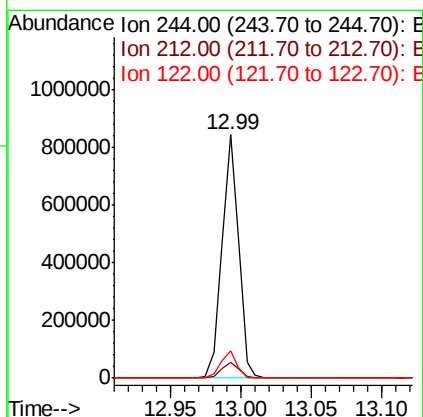
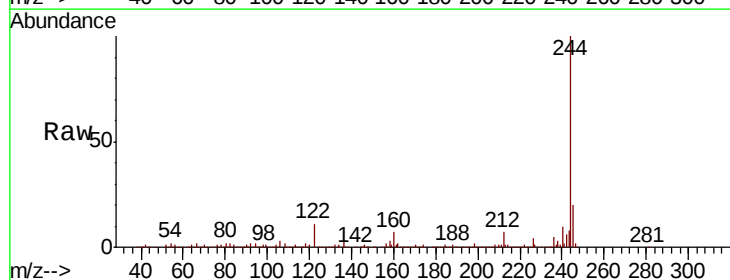
Instrument :
BNA_F
ClientSampleId :

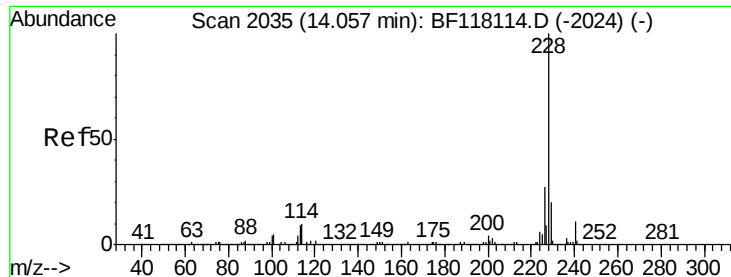
Tot Ion:202 Resp: 176322
Ion Ratio Lower Upper
202 100
200 20.7 17.5 26.3
203 17.9 14.6 21.8



#79
Terphenyl-d14
Concen: 54.310 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

Tgt Ion:244 Resp: 691773
Ion Ratio Lower Upper
244 100
212 6.7 5.9 8.9
122 11.1 9.0 13.6

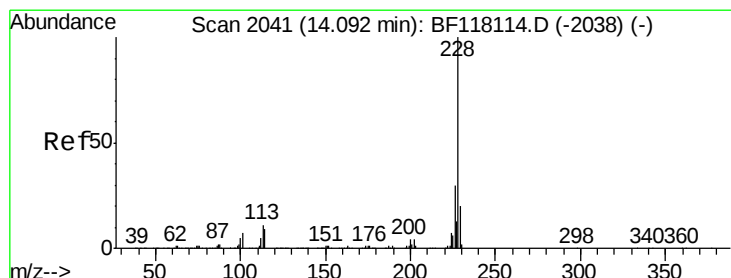
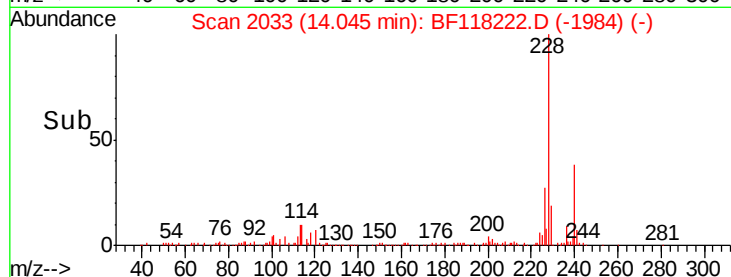
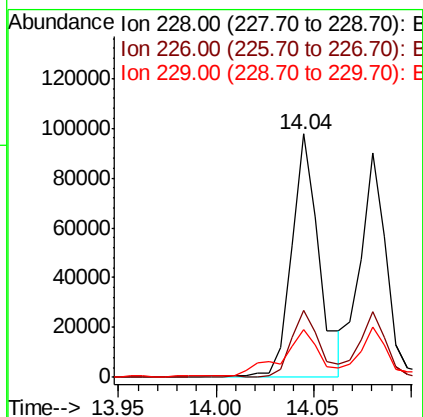
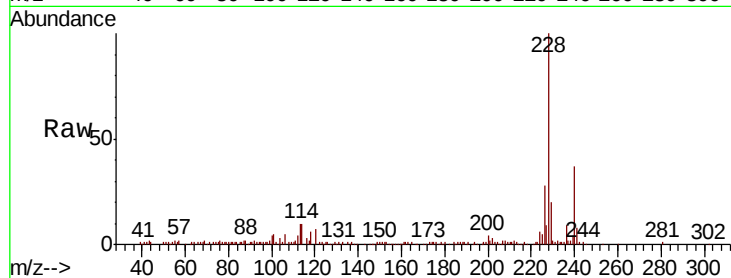




#81
Benzo(a)anthracene
Concen: 6.316 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

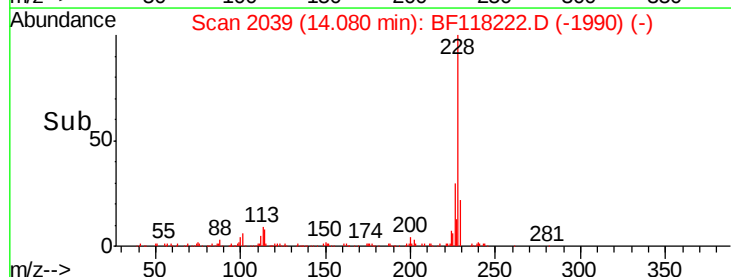
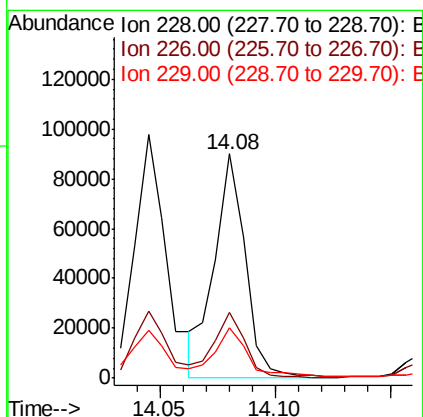
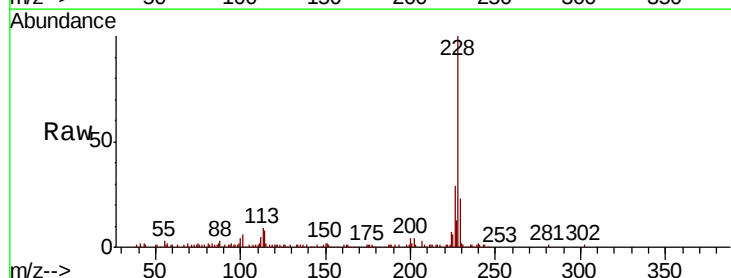
Instrument :
BNA_F
ClientSampleId :

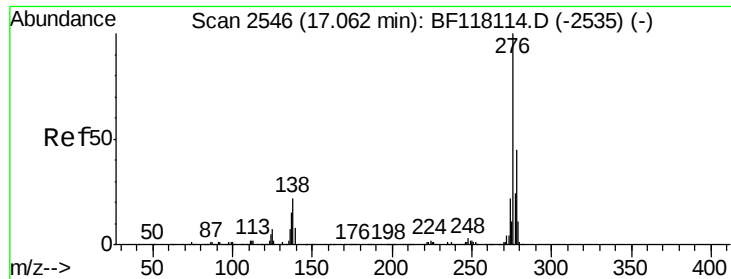
Tot Ion:228 Resp: 95668
Ion Ratio Lower Upper
228 100
226 27.6 21.8 32.8
229 19.5 15.8 23.8



#83
Chrysene
Concen: 5.790 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

Tgt Ion:228 Resp: 83767
Ion Ratio Lower Upper
228 100
226 29.5 23.8 35.8
229 22.5 15.7 23.5

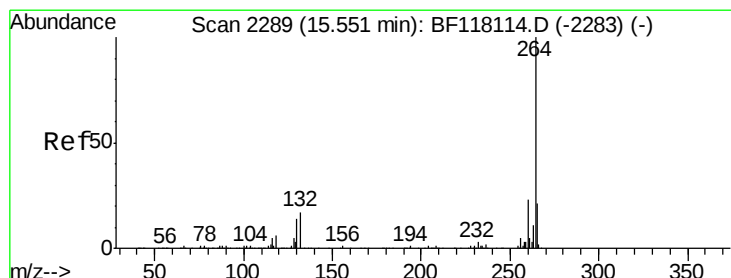
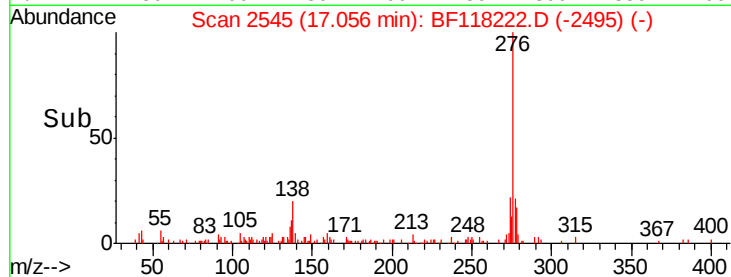
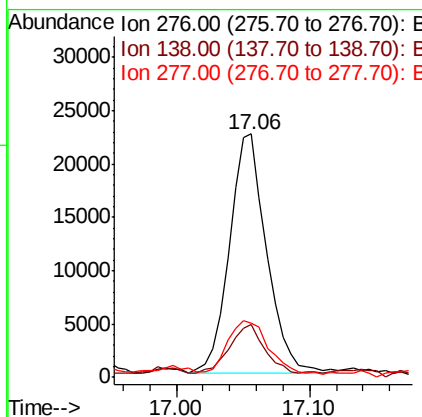
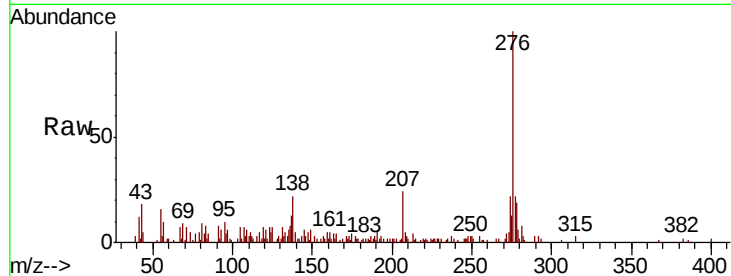




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.557 ng
 RT: 17.06 min Scan# 2545
 Delta R.T. -0.01 min
 Lab File: BF118222.D
 Acq: 17 Dec 2019 3:14

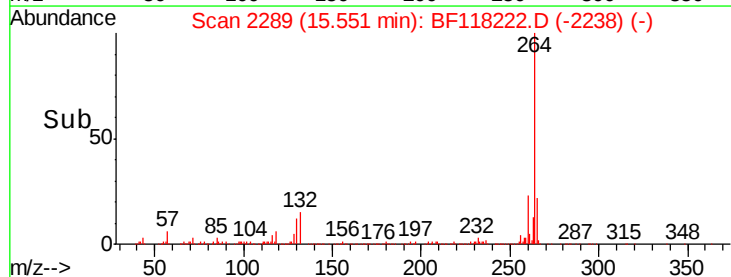
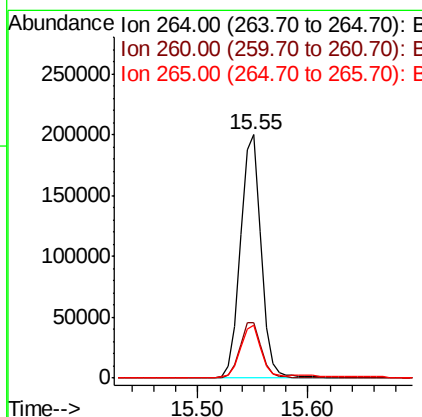
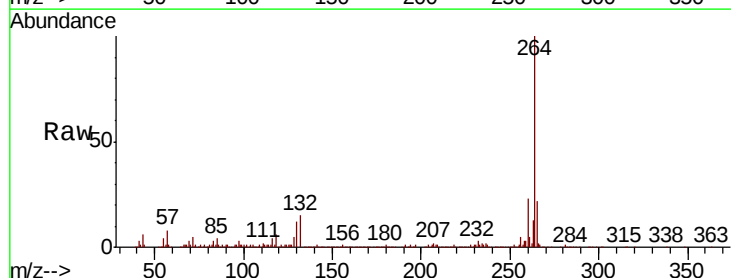
Instrument :
 BNA_F
 ClientSampleId :

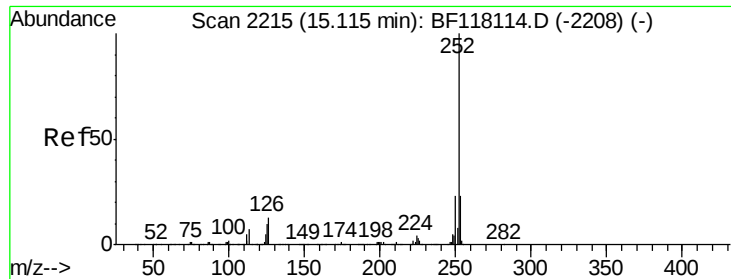
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.9	18.9	28.3
277	24.3	20.4	30.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.55 min Scan# 2289
 Delta R.T. -0.00 min
 Lab File: BF118222.D
 Acq: 17 Dec 2019 3:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	28.0
265	21.8	16.8	25.2

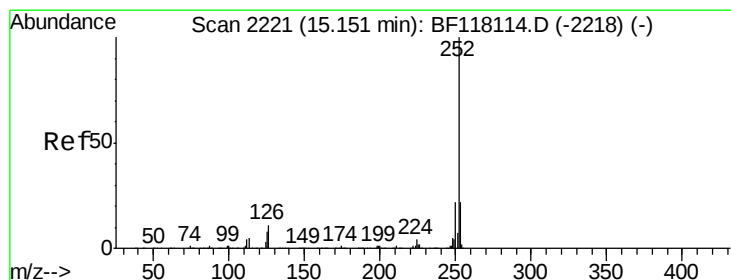
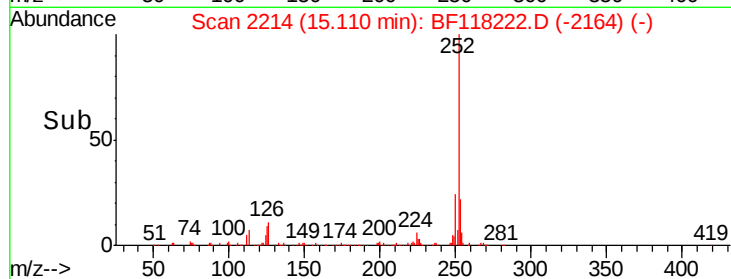
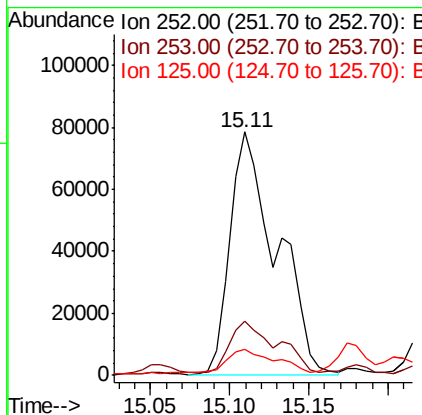
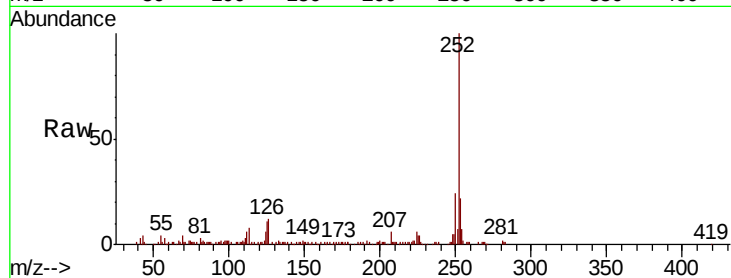




#88
Benzo(b)fluoranthene
Concen: 9.155 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

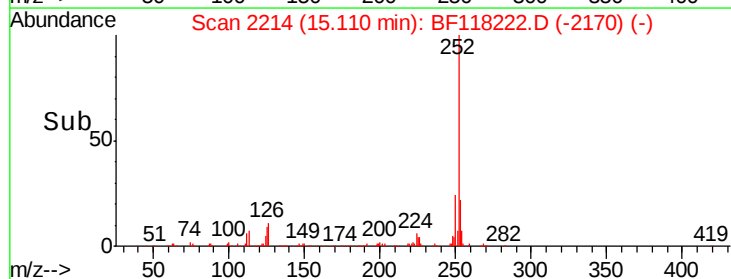
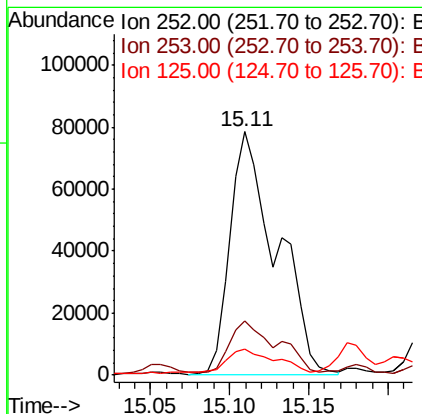
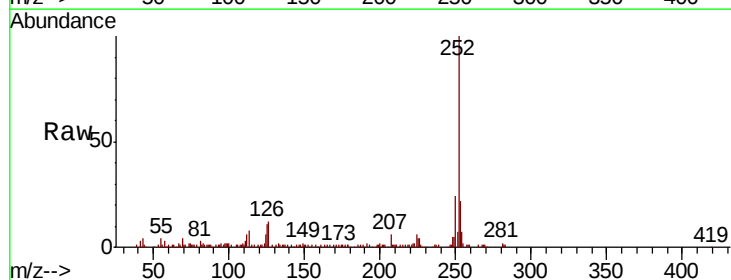
Instrument :
BNA_F
ClientSampleId :

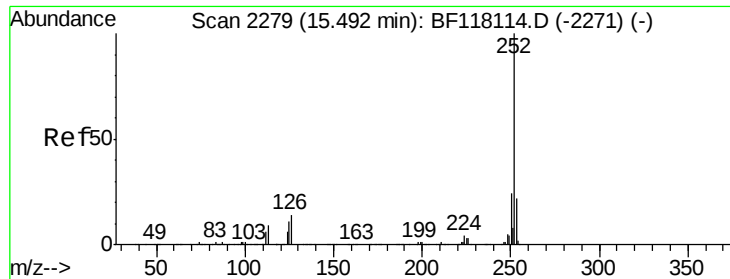
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.4
125	10.6	8.3	12.5



#89
Benzo(k)fluoranthene
Concen: 9.529 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.04 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	10.6	6.7	10.1#

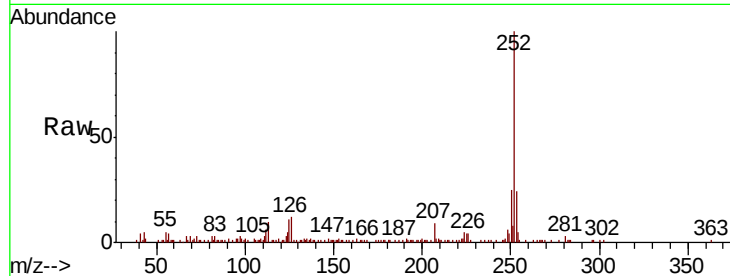




#90
Benzo(a)pyrene
Concen: 5.195 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	10.8	9.1	13.7

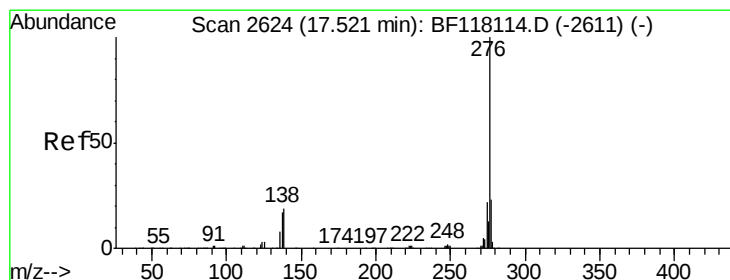
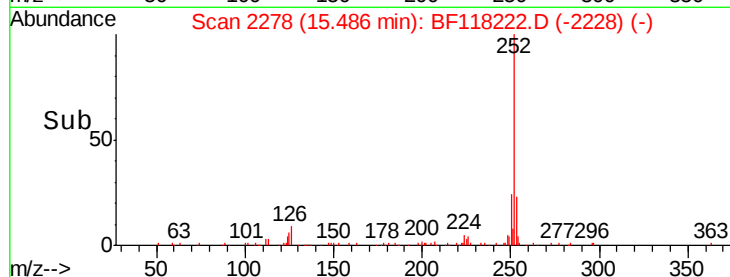
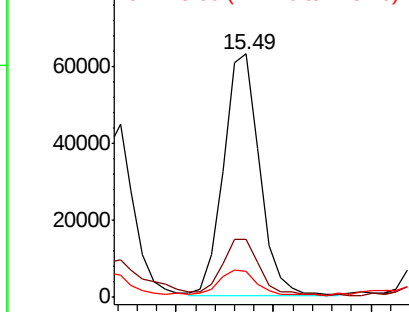


Abundance

Ion 252.00 (251.70 to 252.70): E

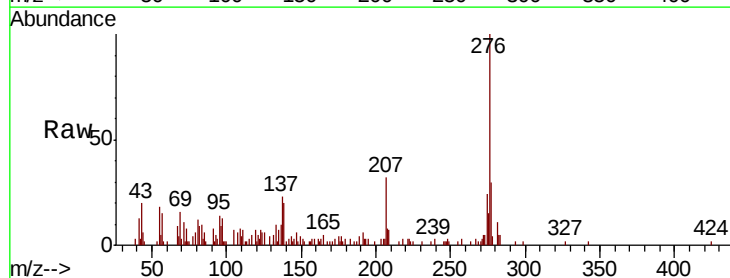
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.976 ng
RT: 17.51 min Scan# 2622
Delta R.T. -0.01 min
Lab File: BF118222.D
Acq: 17 Dec 2019 3:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.9	18.2	27.4#
138	20.3	15.5	23.3



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

