

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
 Data File : BF116156.D
 Acq On : 10 Aug 2019 18:34
 Operator : HP/JU
 Sample : K4090-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 12 00:57:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	176177	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	661507	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	306774	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	426343	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	300738	20.00	ng	0.00
87) Perylene-d12	15.47	264	288629	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	979748	93.10	ng	0.00
7) Phenol-d6	6.48	99	1254517	94.48	ng	0.00
23) Nitrobenzene-d5	7.40	82	814813	71.10	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	211822	71.22	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1231566	75.20	ng	-0.01
79) Terphenyl-d14	12.94	244	926692	64.93	ng	-0.01

Target Compounds

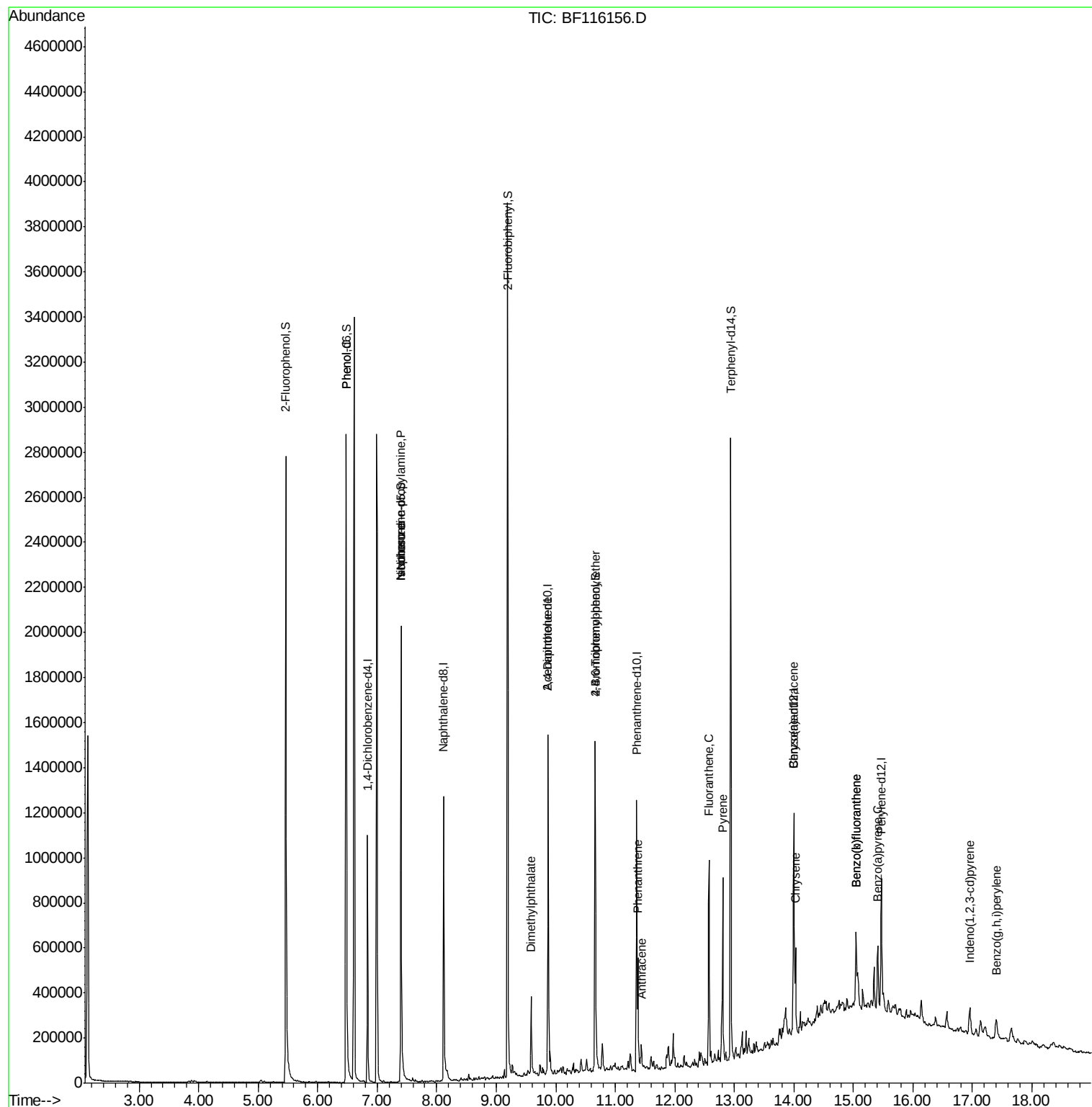
						Qvalue
10) Phenol	6.49	94	41714	2.668	ng	86
19) n-Nitroso-di-n-propylamine	7.40	70	108592	13.198	ng	# 78
25) Isophorone	7.40	82	814808	37.183	ng	# 65
50) Dimethylphthalate	9.59	163	151954	7.275	ng	98
57) 2,4-Dinitrotoluene	9.87	165	41190	6.815	ng	# 21
67) 4-Bromophenyl-phenylether	10.66	248	13157	2.883	ng	# 1
71) Phenanthrene	11.38	178	184970	8.487	ng	99
72) Anthracene	11.44	178	62848	2.849	ng	99
75) Fluoranthene	12.57	202	374908	16.431	ng	100
78) Pyrene	12.80	202	350851	15.476	ng	99
81) Benzo(a)anthracene	13.99	228	172303	8.964	ng	99
83) Chrysene	14.03	228	147985	7.930	ng	97
86) Indeno(1,2,3-cd)pyrene	16.95	276	72051	4.597	ng	96
88) Benzo(b)fluoranthene	15.04	252	247568	14.834	ng	94
89) Benzo(k)fluoranthene	15.04	252	247568	15.230	ng	# 93
90) Benzo(a)pyrene	15.41	252	134076	8.987	ng	98
92) Benzo(a,h,i)perylene	17.40	276	74584	5.881	ng	94

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

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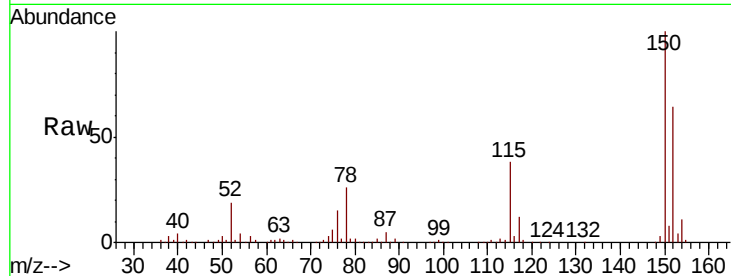


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116156.D
Acq: 10 Aug 2019 18:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	126.2	189.2
115	59.7	49.9	74.9

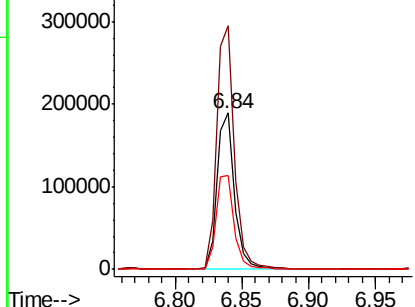
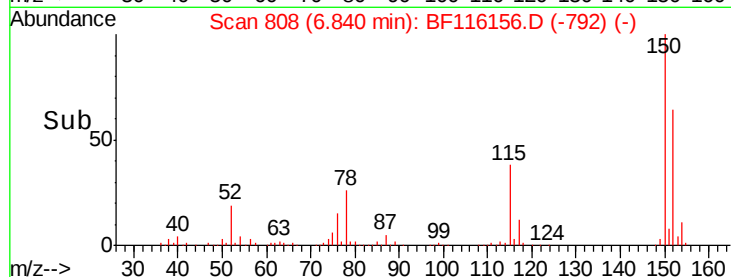


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

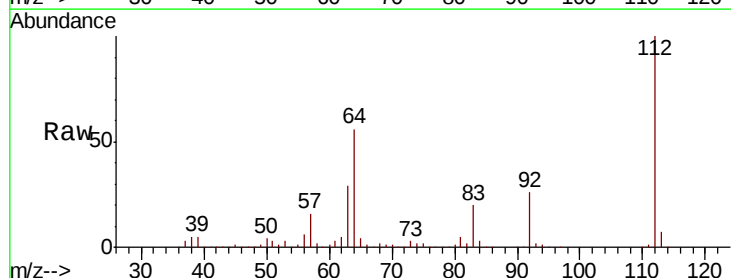
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 93.097 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.00 min
Lab File: BF116156.D
Acq: 10 Aug 2019 18:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	45.4	68.2
63	29.3	23.7	35.5

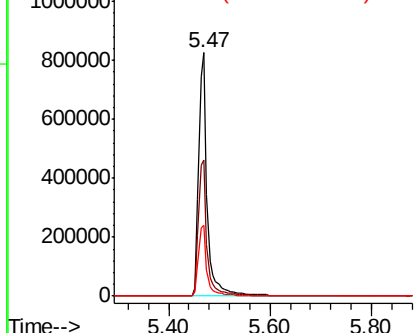
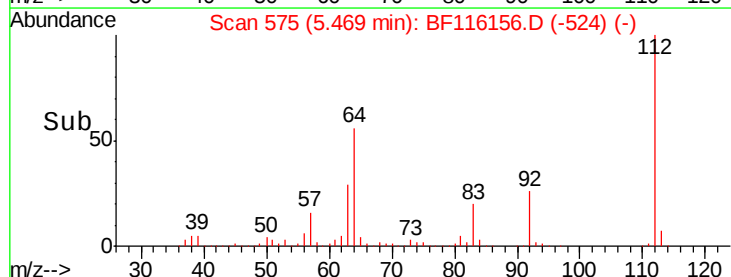


Abundance

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: 94.482 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116156.D

Acq: 10 Aug 2019 18:34

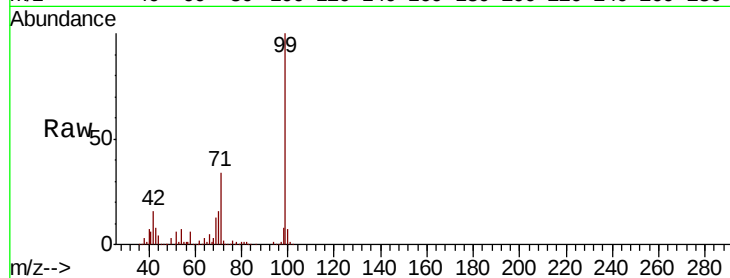
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1254517

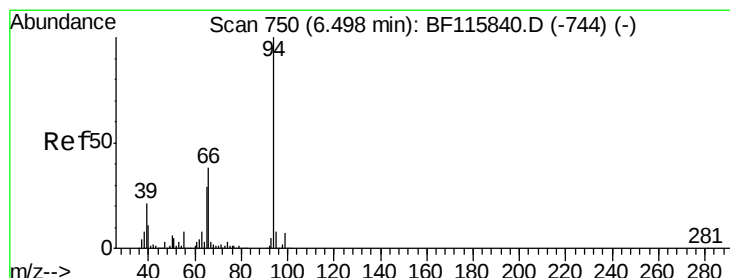
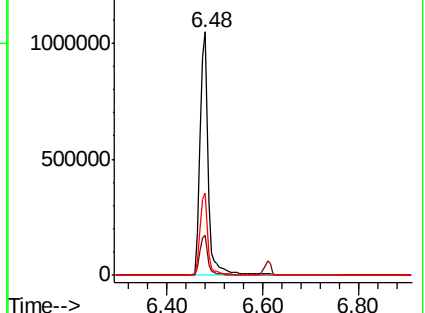
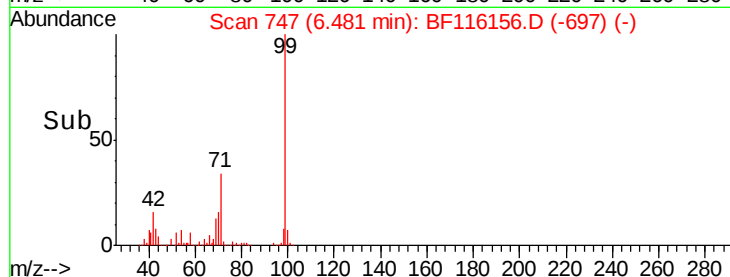
Ion	Ratio	Lower	Upper
99	100		
42	16.4	13.8	20.8
71	33.9	27.3	40.9



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: 2.668 ng

RT: 6.49 min Scan# 748

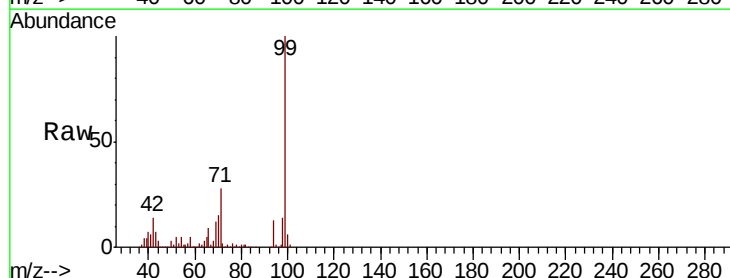
Delta R.T. -0.02 min

Lab File: BF116156.D

Acq: 10 Aug 2019 18:34

Tgt Ion: 94 Resp: 41714

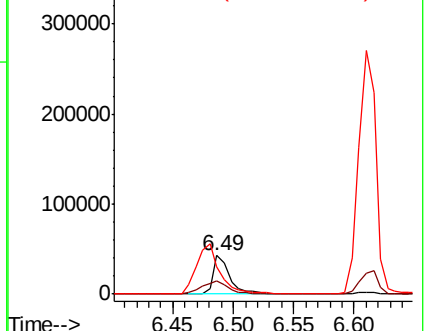
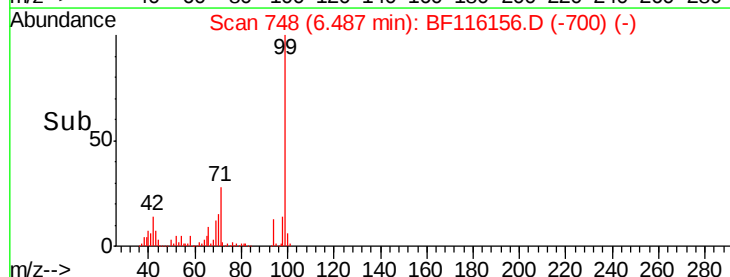
Ion	Ratio	Lower	Upper
94	100		
65	34.9	16.8	56.8
66	70.1	34.2	74.2



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

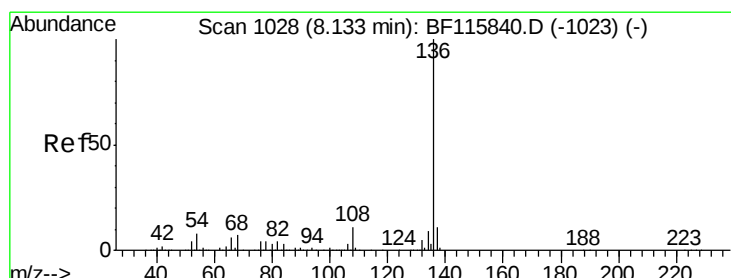
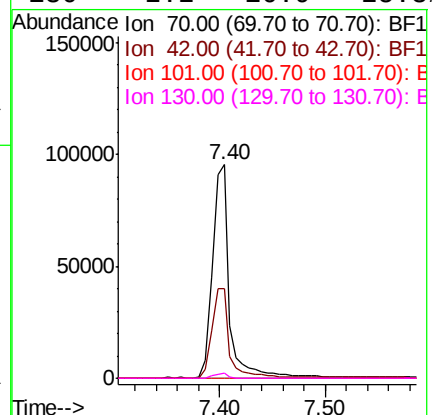
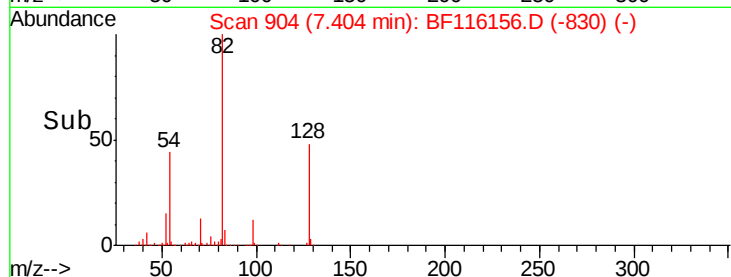
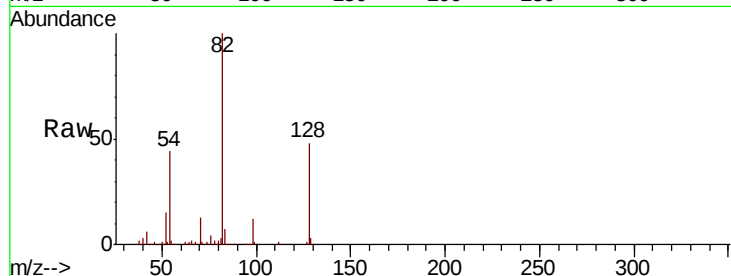




#19
n-Nitroso-di-n-propylamine
Concen: 13.198 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116156.D
Acq: 10 Aug 2019 18:34

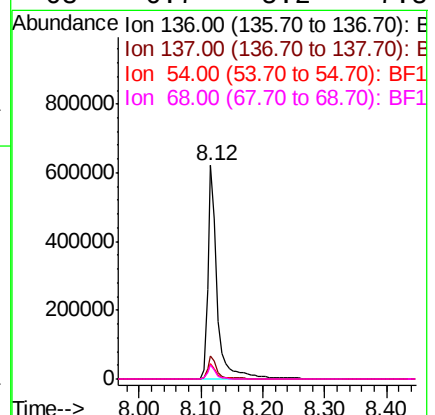
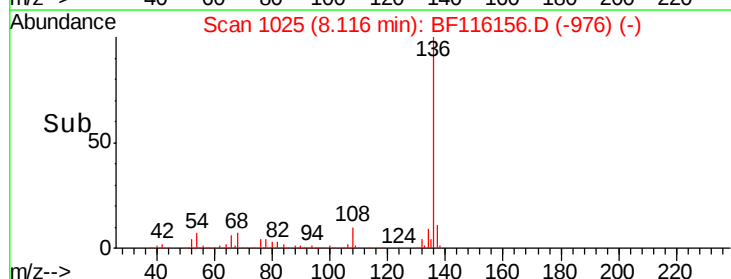
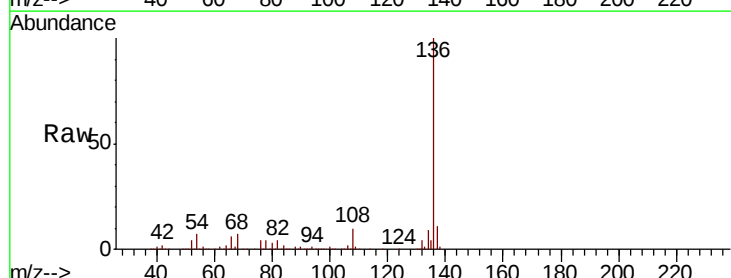
Instrument :
BNA_F
ClientSampled :

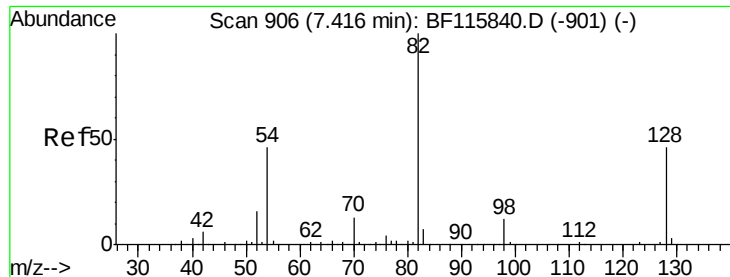
Tot Ion	Ratio	Lower	Upper
70	100		
42	42.2	40.9	61.3
101	0.0	7.9	11.9#
130	2.2	16.9	25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF116156.D
Acq: 10 Aug 2019 18:34

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	7.4	5.8	8.6
68	6.7	5.2	7.8

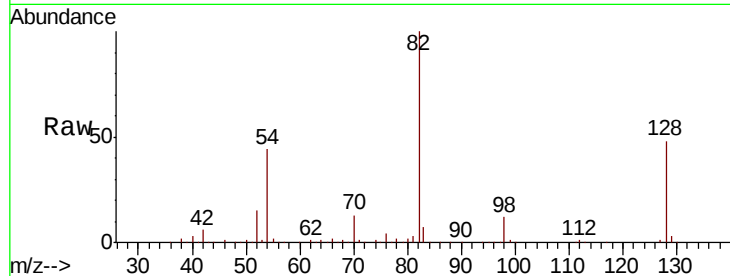




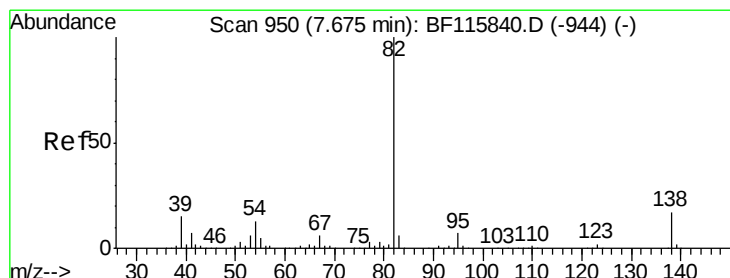
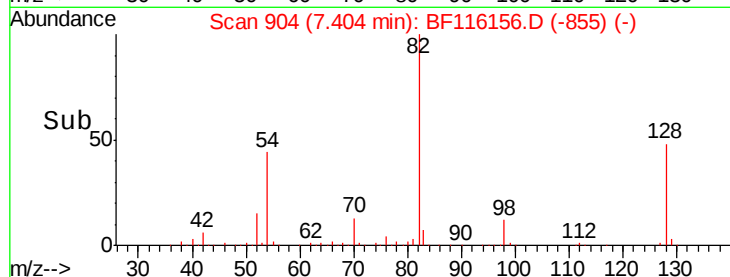
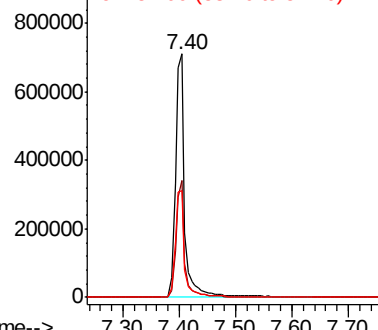
#23
 Nitrobenzene-d5
 Concen: 71.101 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BF116156.D
 Acq: 10 Aug 2019 18:34

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 814813
 Ion Ratio Lower Upper
 82 100
 128 47.9 36.5 54.7
 54 43.6 36.0 54.0

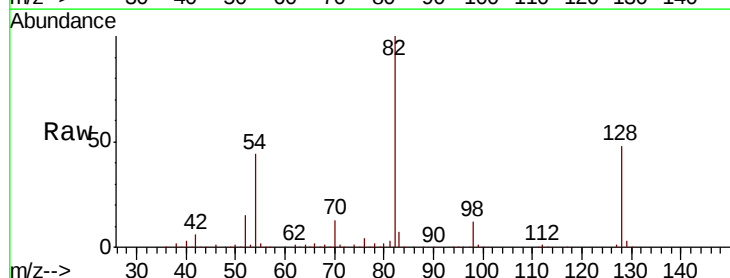


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

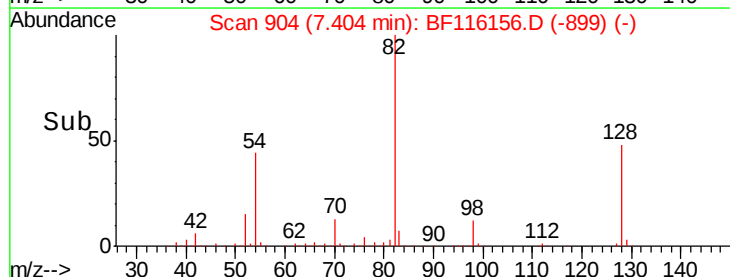
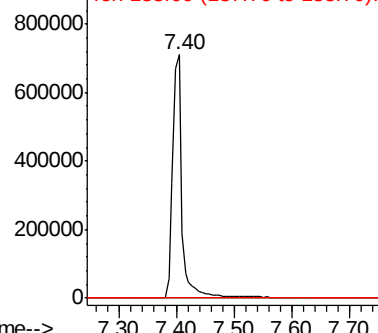


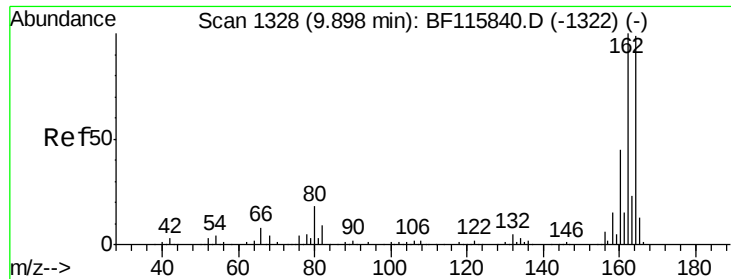
#25
 Isophorone
 Concen: 37.183 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.27 min
 Lab File: BF116156.D
 Acq: 10 Aug 2019 18:34

Tgt Ion: 82 Resp: 814808
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.4 8.0#
 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

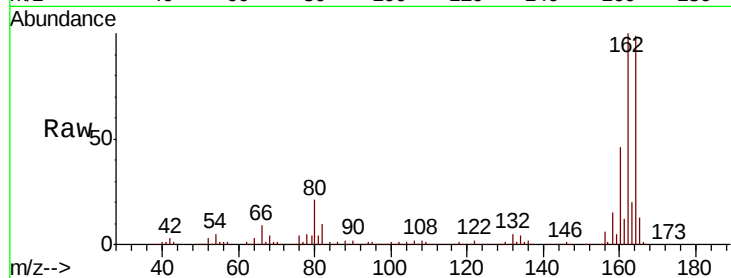




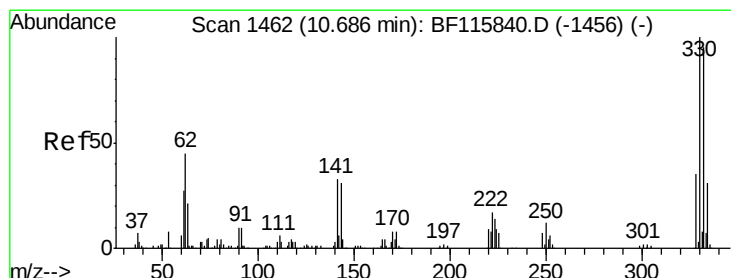
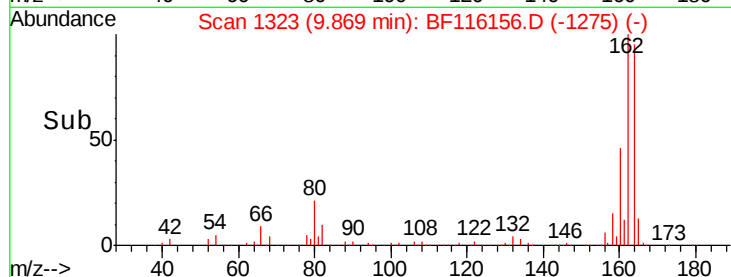
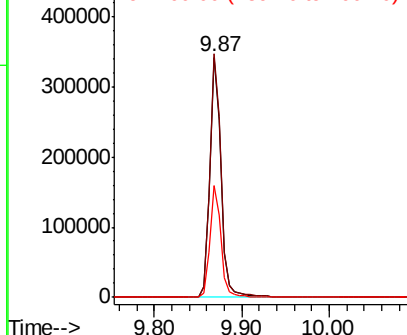
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF116156.D
Acq: 10 Aug 2019 18:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 306774
Ion Ratio Lower Upper
164 100
162 101.4 82.6 124.0
160 46.6 37.6 56.4

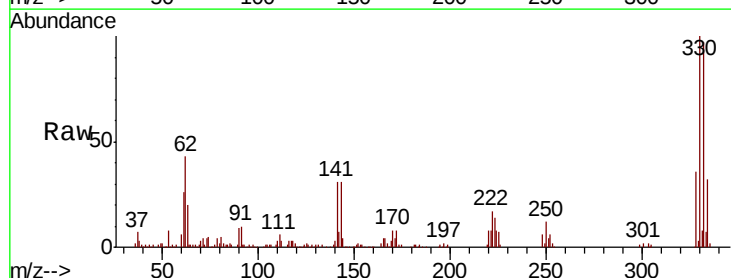


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

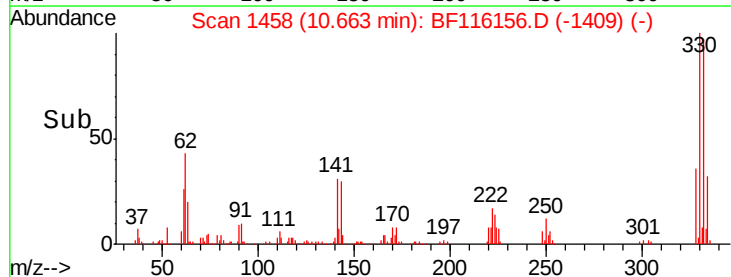
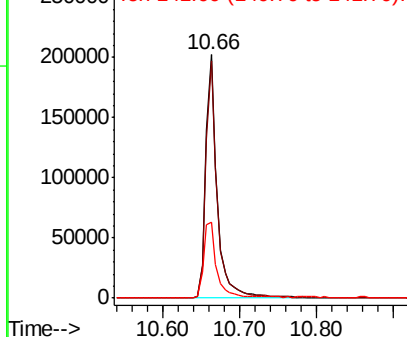


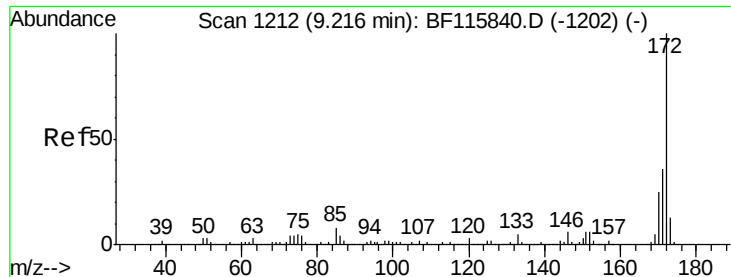
#42
2,4,6-Tribromophenol
Concen: 71.218 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116156.D
Acq: 10 Aug 2019 18:34

Tgt Ion:330 Resp: 211822
Ion Ratio Lower Upper
330 100
332 97.2 76.8 115.2
141 34.9 26.3 39.5



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

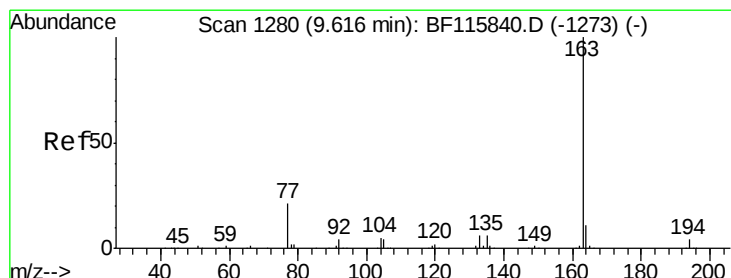
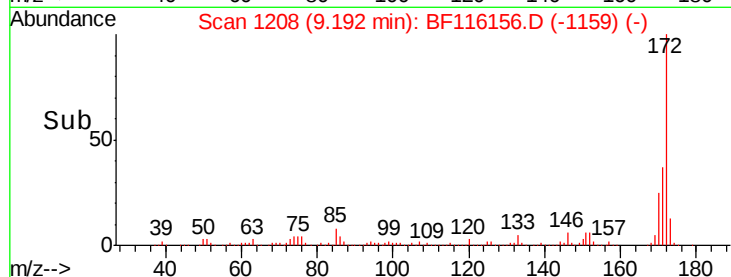
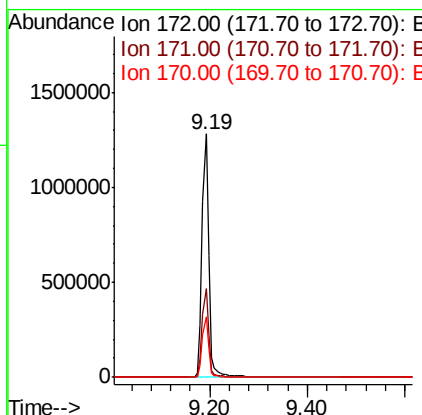
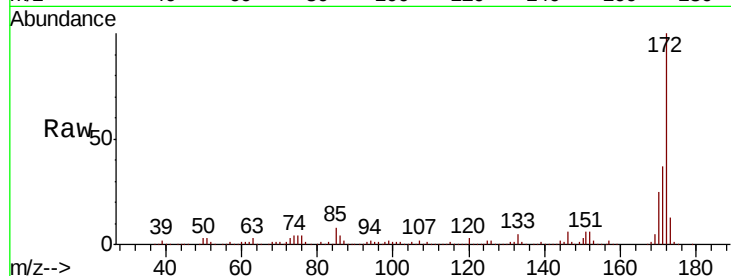




#45
2-Fluorobiphenyl
Concen: 75.196 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF116156.D
Acq: 10 Aug 2019 18:34

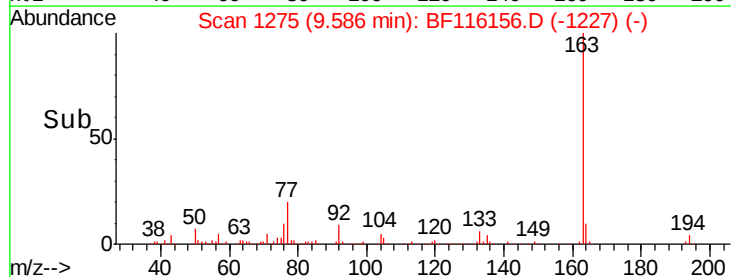
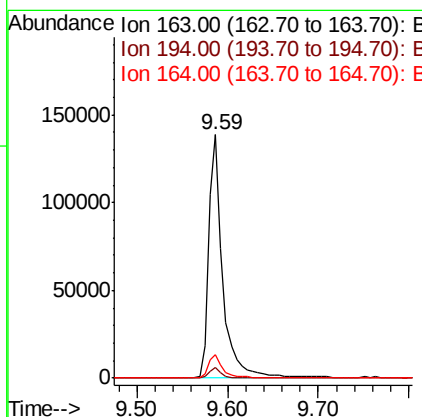
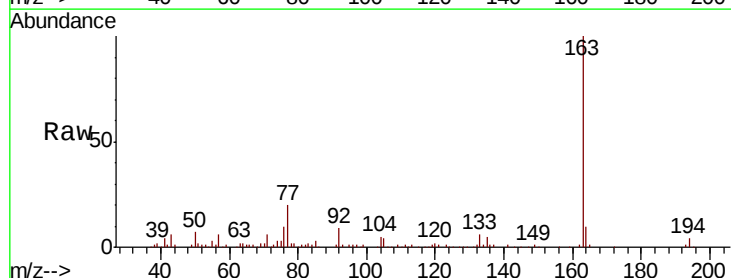
Instrument :
BNA_F
ClientSampleId :

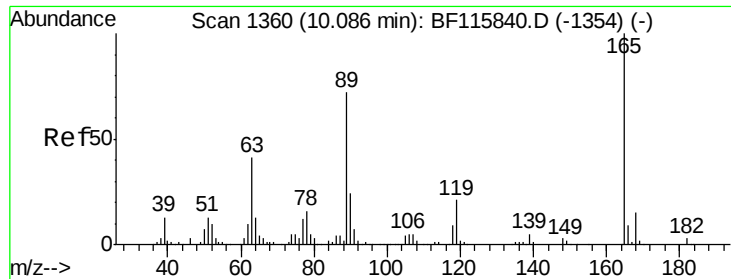
Tot Ion:172 Resp: 1231566
Ion Ratio Lower Upper
172 100
171 36.5 29.6 44.4
170 25.1 20.1 30.1



#50
Dimethylphthalate
Concen: 7.275 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116156.D
Acq: 10 Aug 2019 18:34

Tgt Ion:163 Resp: 151954
Ion Ratio Lower Upper
163 100
194 4.2 3.0 4.6
164 9.7 8.4 12.6

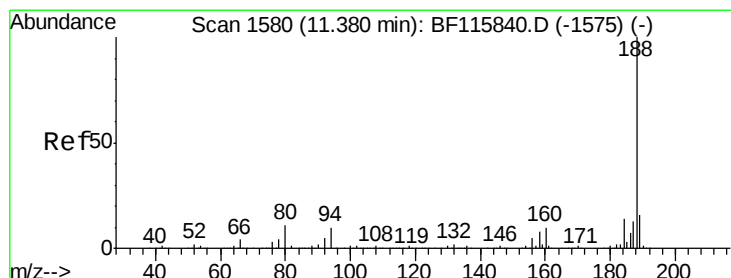
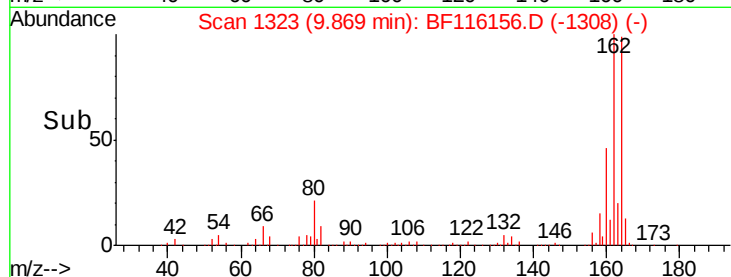
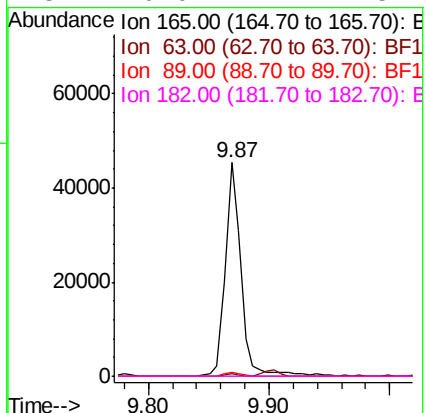
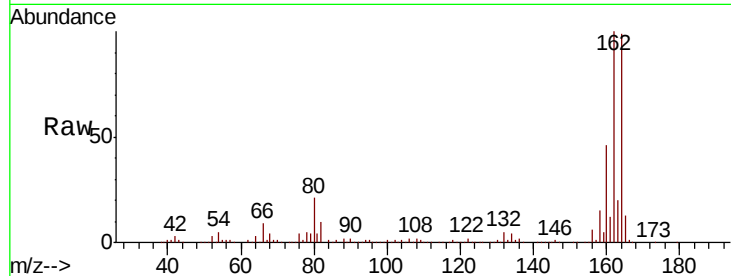




#57
 2,4-Dinitrotoluene
 Concen: 6.815 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116156.D
 Acq: 10 Aug 2019 18:34

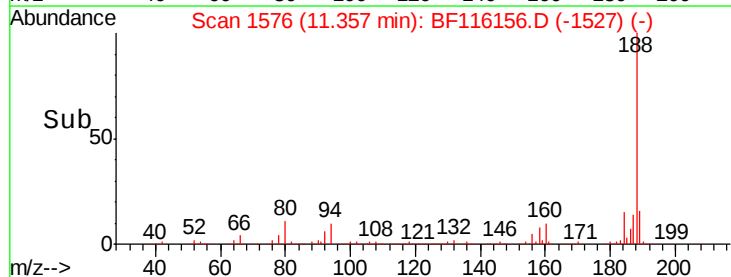
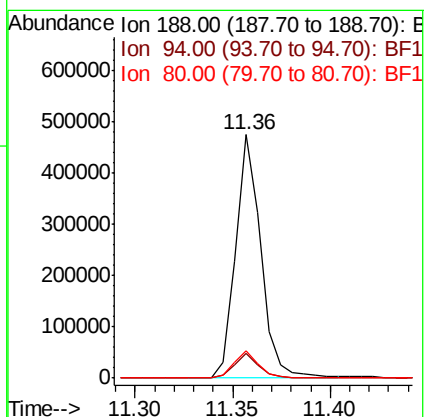
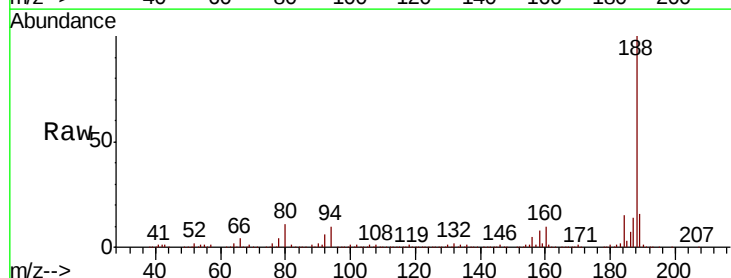
Instrument :
 BNA_F
 ClientSampleId :

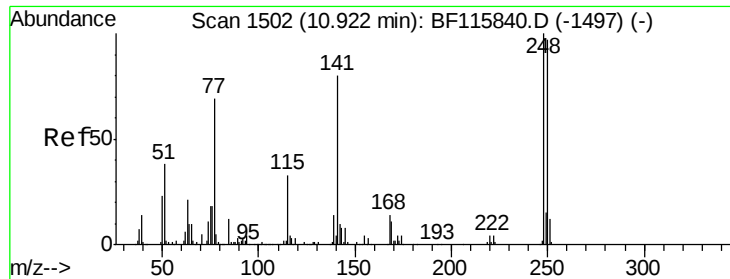
Tot Ion:165	Resp:	41190
Ion Ratio	Lower	Upper
165	100	
63	1.3	39.6 59.4#
89	1.6	62.2 93.2#
182	0.0	2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116156.D
 Acq: 10 Aug 2019 18:34

Tgt Ion:188	Resp:	426343
Ion Ratio	Lower	Upper
188	100	
94	10.1	8.1 12.1
80	11.1	8.7 13.1

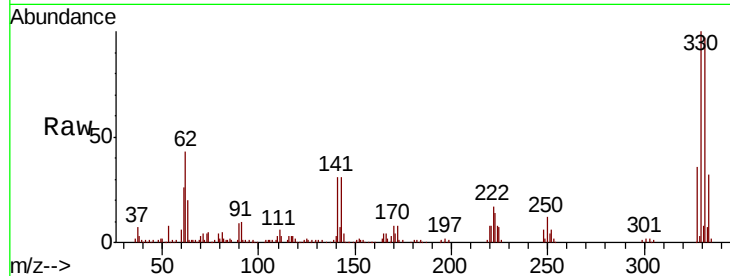




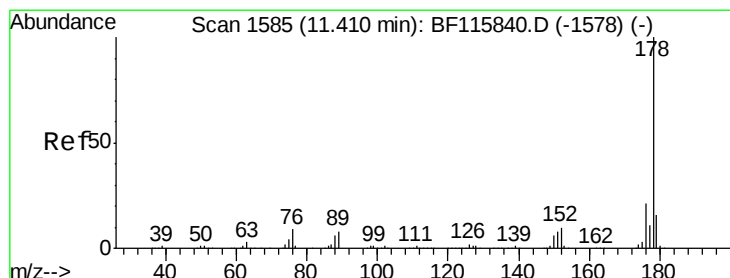
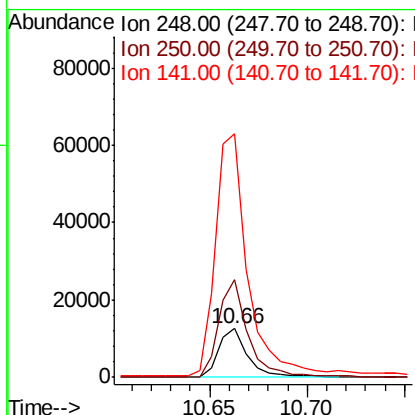
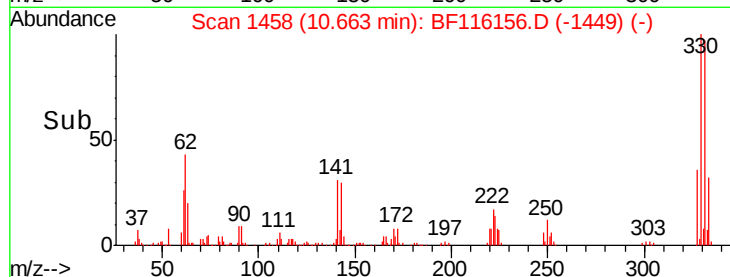
#67
 4-Bromophenyl-phenylether
 Concen: 2.883 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116156.D
 Acq: 10 Aug 2019 18:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 13157
 Ion Ratio Lower Upper
 248 100
 250 198.6 77.4 116.2#
 141 497.8 56.8 85.2#

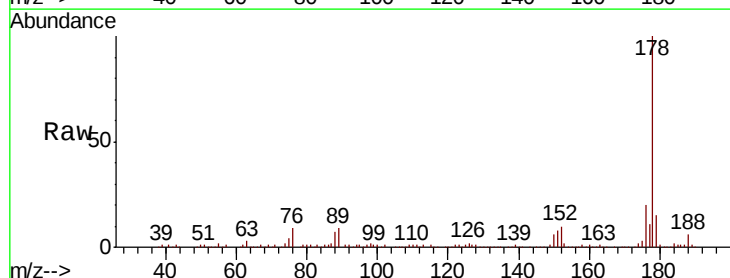


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

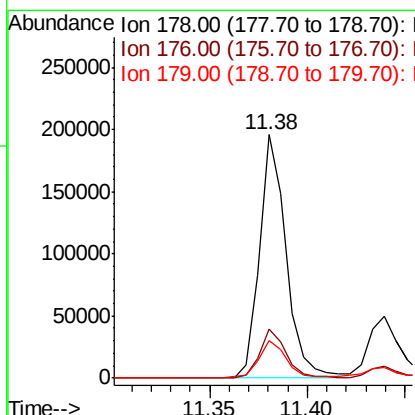
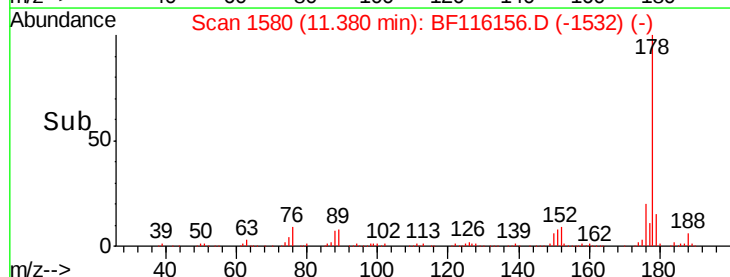


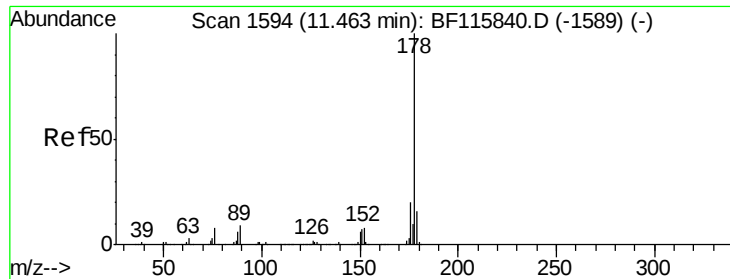
#71
 Phenanthrene
 Concen: 8.487 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.02 min
 Lab File: BF116156.D
 Acq: 10 Aug 2019 18:34

Tgt Ion:178 Resp: 184970
 Ion Ratio Lower Upper
 178 100
 176 20.0 16.6 24.8
 179 15.2 12.5 18.7



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

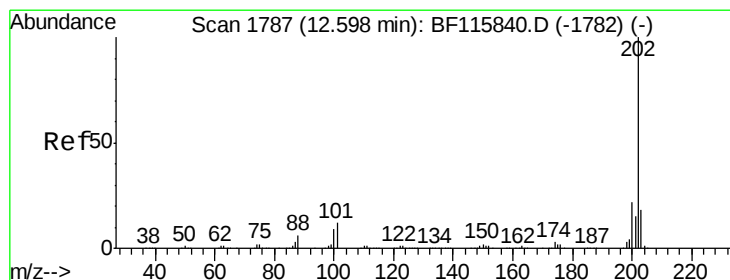
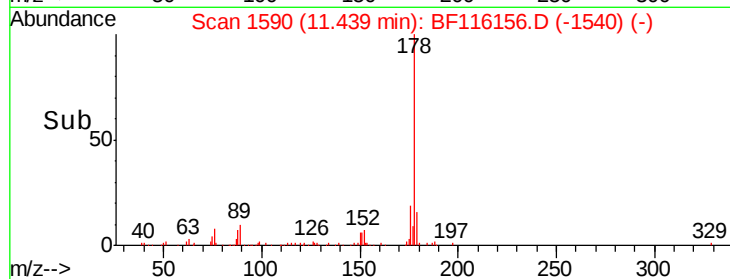
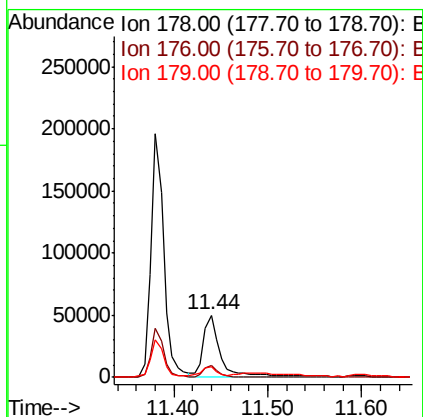
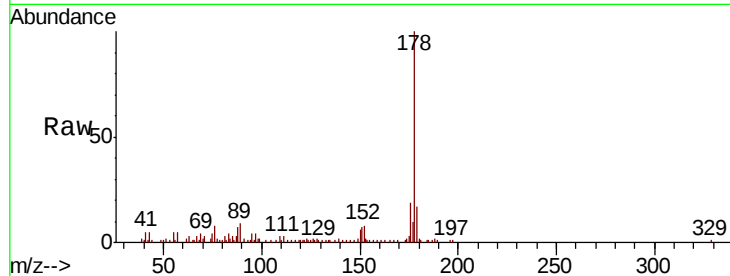




#72
 Anthracene
 Concen: 2.849 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF116156.D
 Acq: 10 Aug 2019 18:34

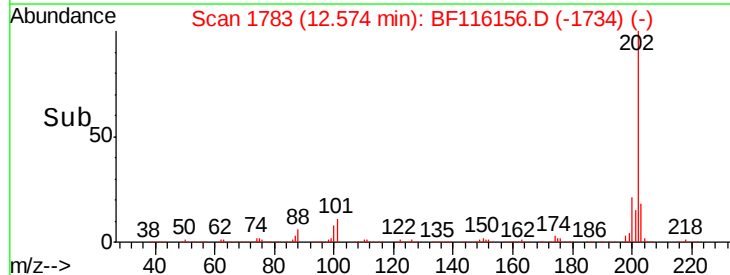
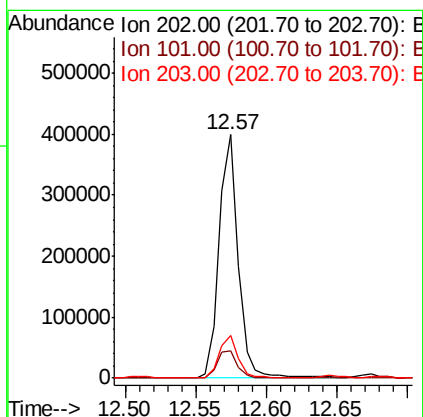
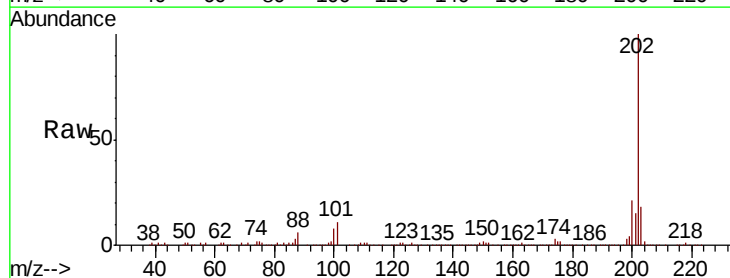
Instrument :
 BNA_F
 ClientSampled :

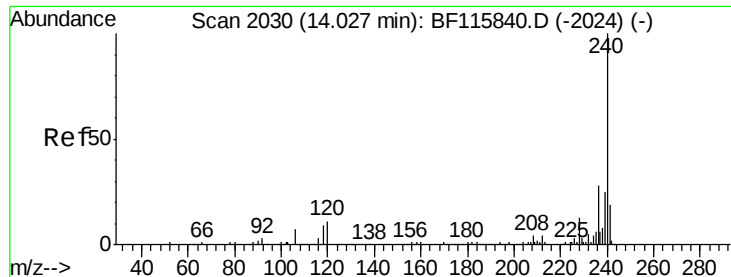
Tot Ion:178 Resp: 62848
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.7 23.5
 179 16.6 13.0 19.6



#75
 Fluoranthene
 Concen: 16.431 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: BF116156.D
 Acq: 10 Aug 2019 18:34

Tgt Ion:202 Resp: 374908
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 31.2
 203 17.6 0.0 37.8

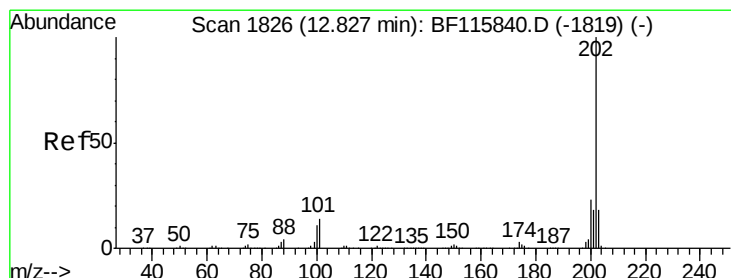
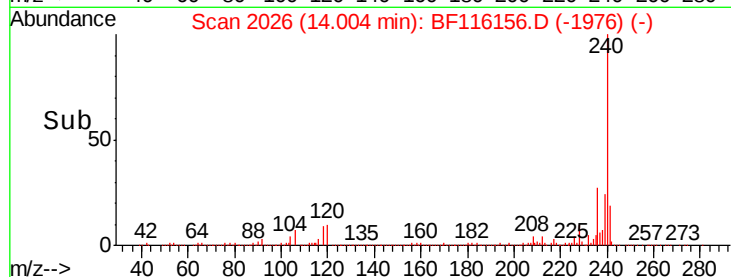
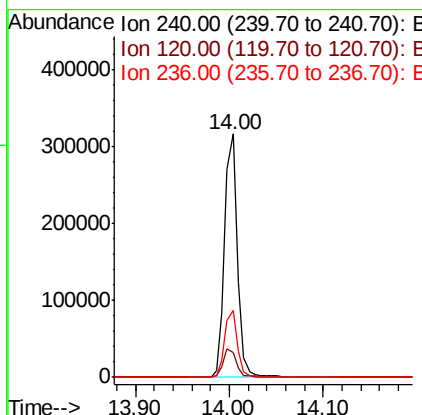
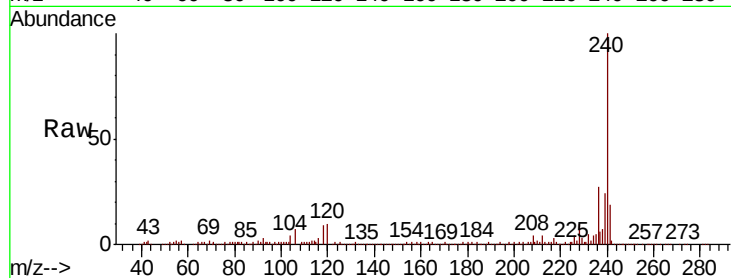




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF116156.D
 Acq: 10 Aug 2019 18:34

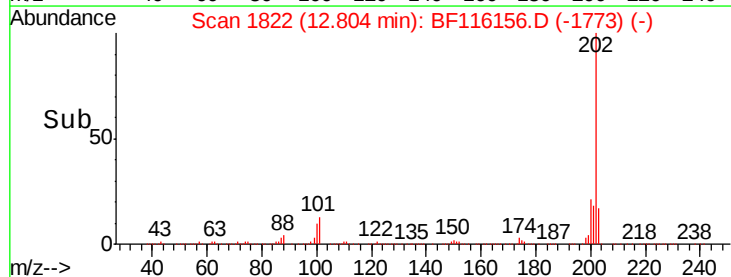
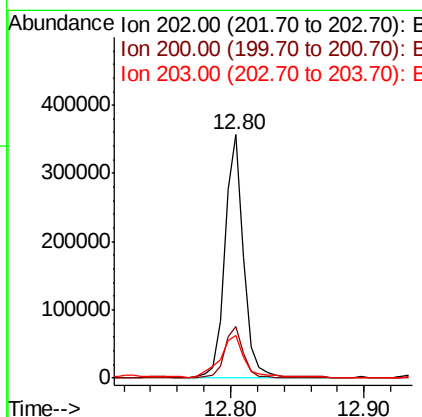
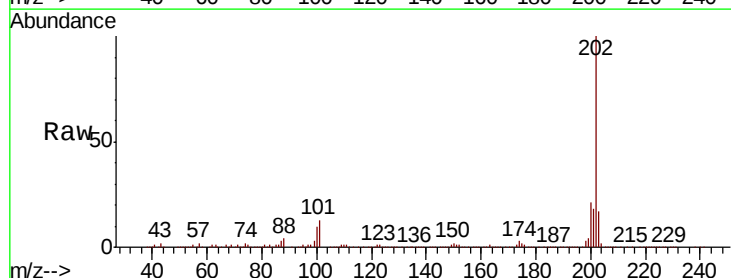
Instrument :
 BNA_F
 ClientSampleId :

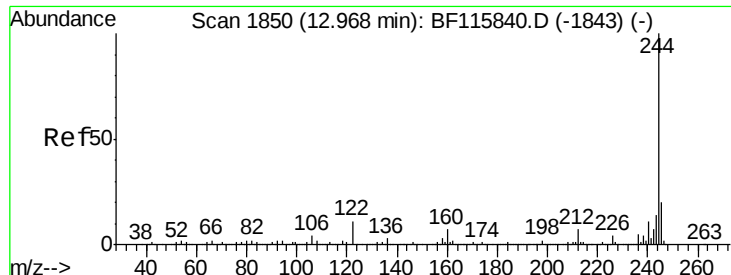
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.3	10.7	16.1#
236	27.3	22.2	33.2



#78
 Pyrene
 Concen: 15.476 ng
 RT: 12.80 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: BF116156.D
 Acq: 10 Aug 2019 18:34

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	18.0	27.0
203	17.4	14.1	21.1

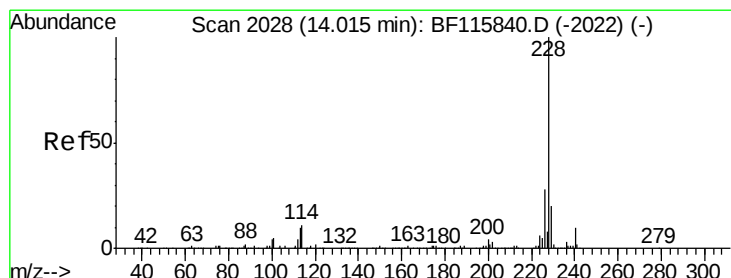
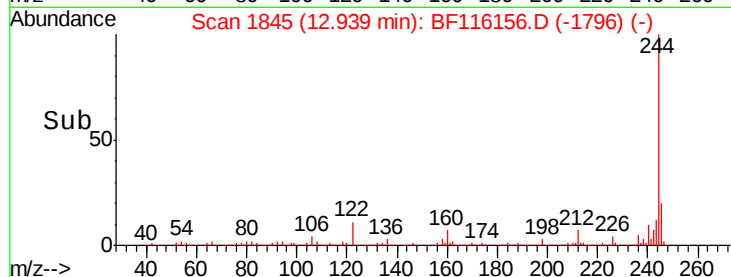
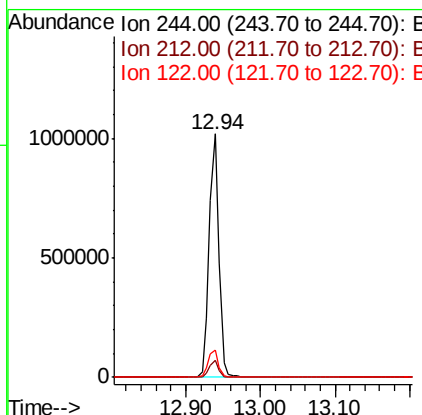
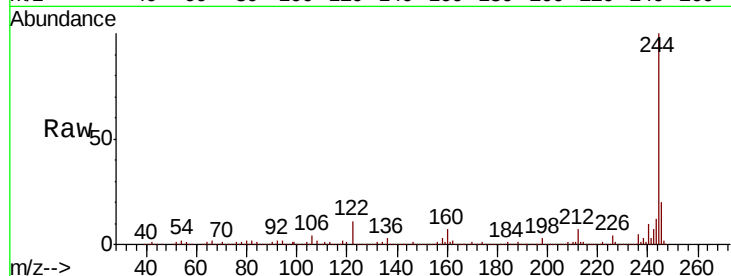




#79
 Terphenyl-d14
 Concen: 64.930 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF116156.D
 Acq: 10 Aug 2019 18:34

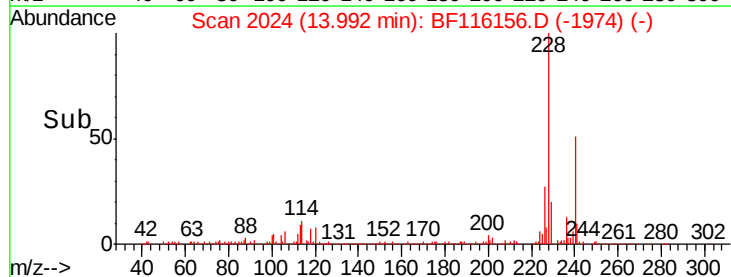
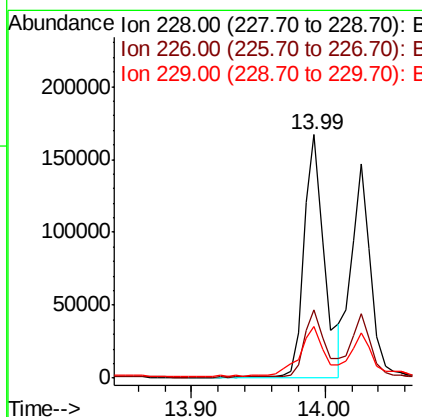
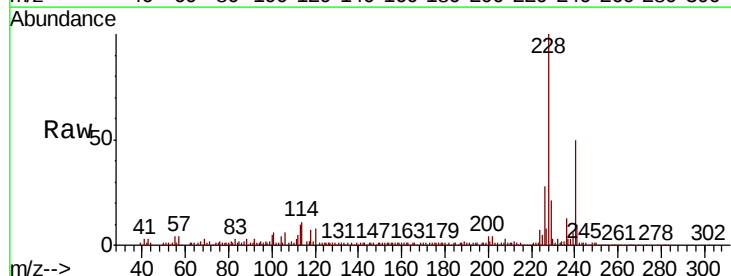
Instrument :
 BNA_F
 ClientSampled :

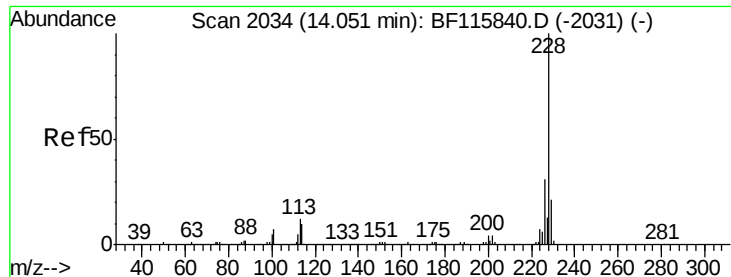
Tot Ion:244 Resp: 926692
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 11.4 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 8.964 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF116156.D
 Acq: 10 Aug 2019 18:34

Tgt Ion:228 Resp: 172303
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.7 34.1
 229 21.1 16.2 24.4

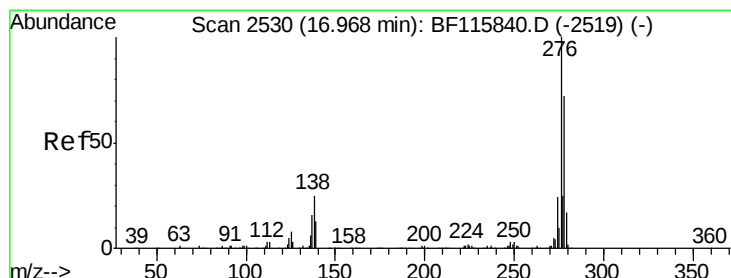
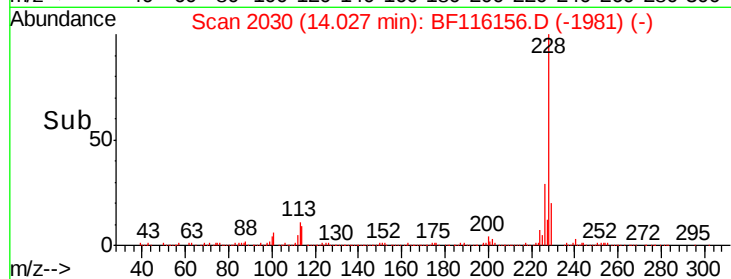
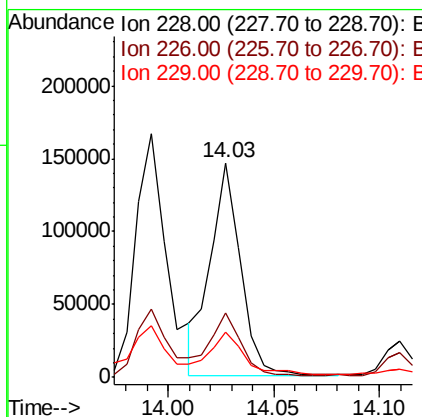
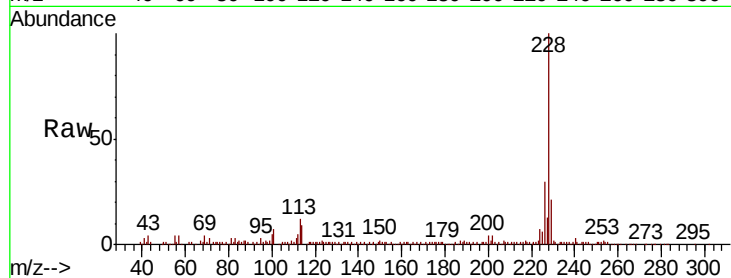




#83
Chrysene
Concen: 7.930 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF116156.D
Acq: 10 Aug 2019 18:34

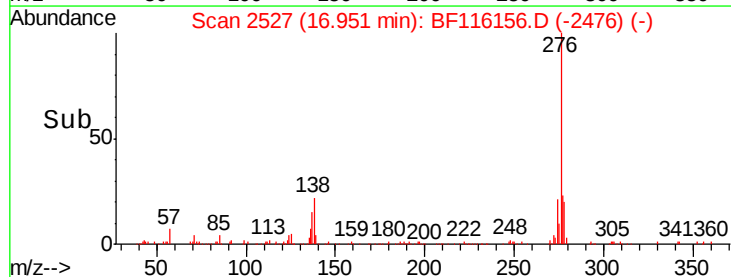
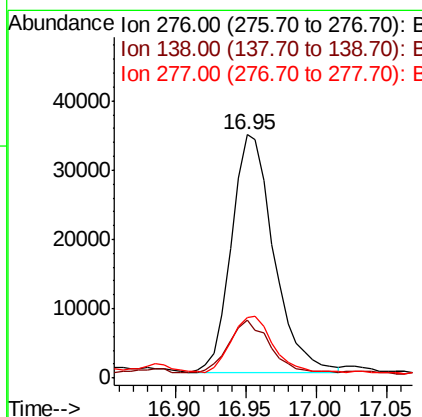
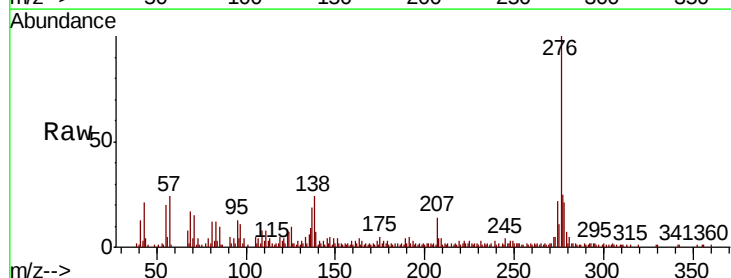
Instrument :
BNA_F
ClientSampleId :

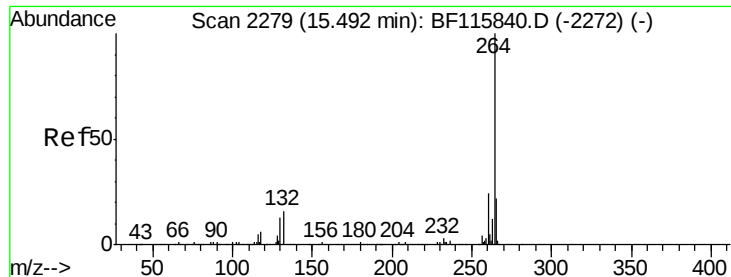
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.5	38.3
229	21.2	16.6	24.8



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.597 ng
RT: 16.95 min Scan# 2527
Delta R.T. 0.00 min
Lab File: BF116156.D
Acq: 10 Aug 2019 18:34

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.1	20.4	30.6
277	23.0	20.0	30.0



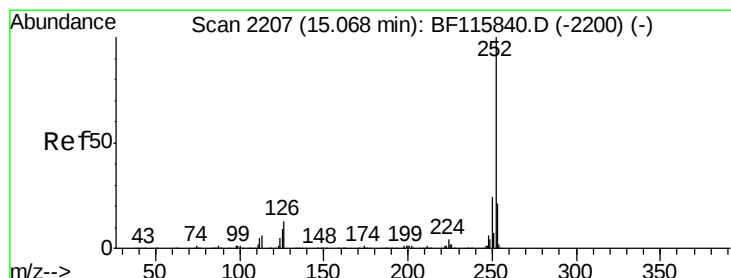
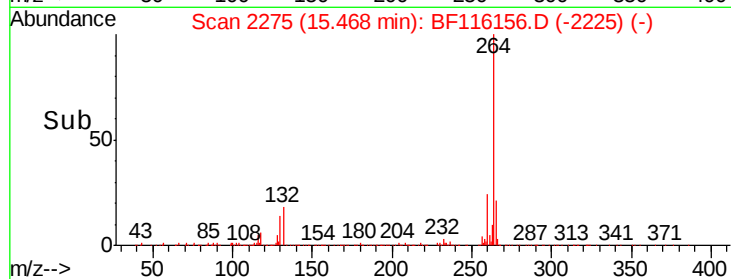
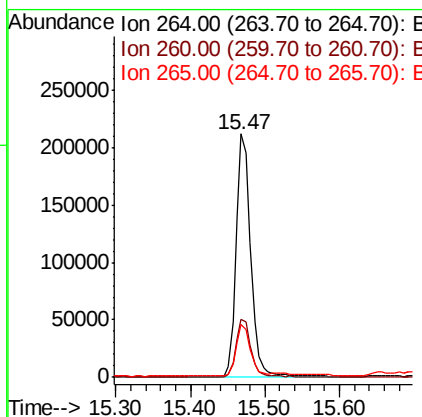
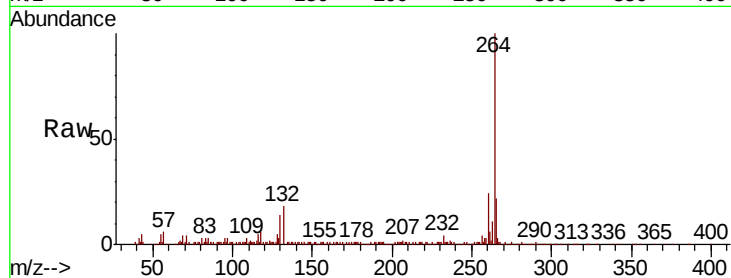


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF116156.D
Acq: 10 Aug 2019 18:34

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 288629

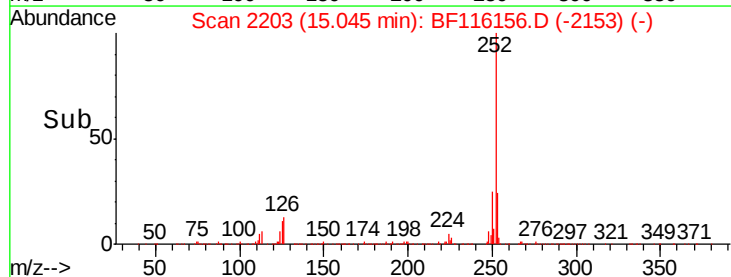
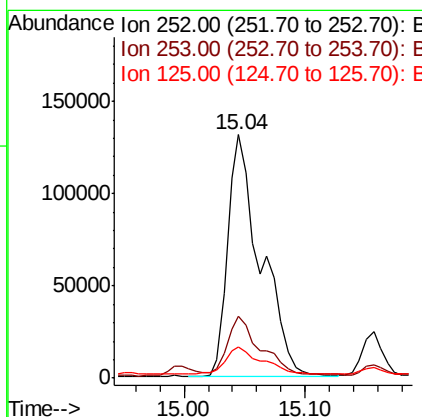
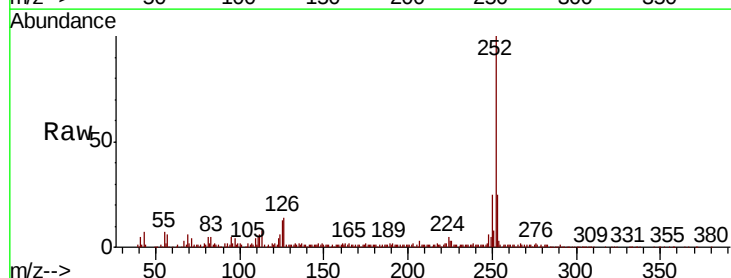
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.7	29.5
265	21.7	17.4	26.0

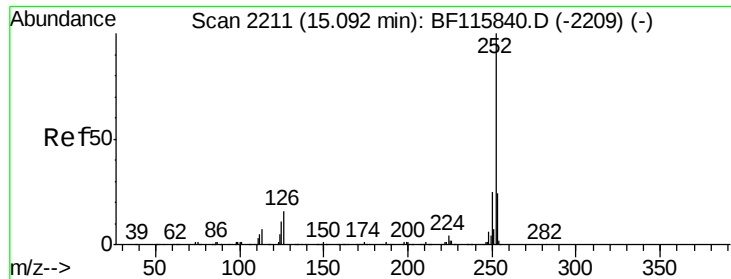


#88
Benzo(b)fluoranthene
Concen: 14.834 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF116156.D
Acq: 10 Aug 2019 18:34

Tgt Ion:252 Resp: 247568

Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.8	26.8
125	12.6	8.4	12.6

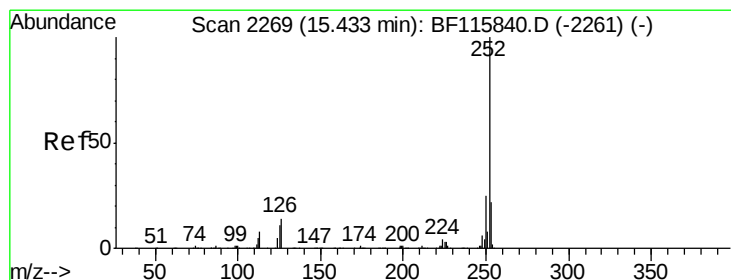
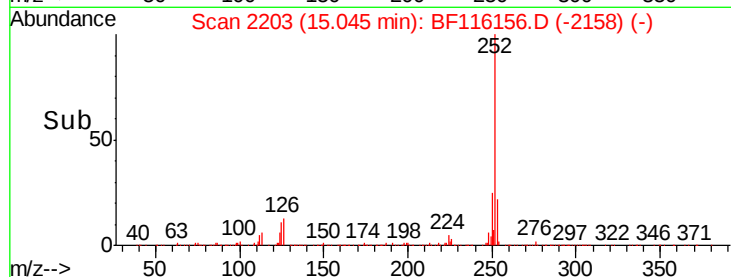
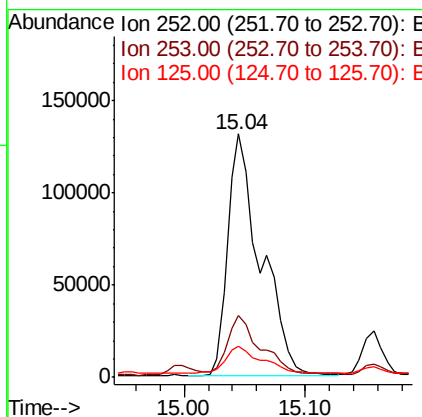
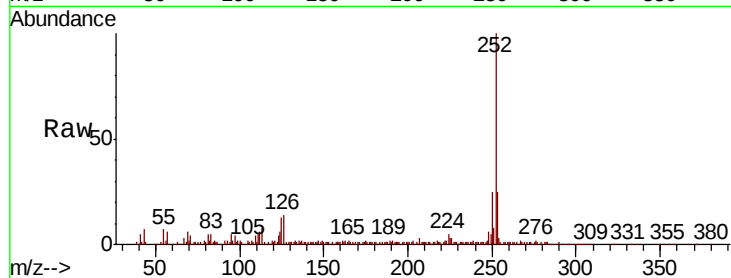




#89
Benzo(k)fluoranthene
Concen: 15.230 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF116156.D
Acq: 10 Aug 2019 18:34

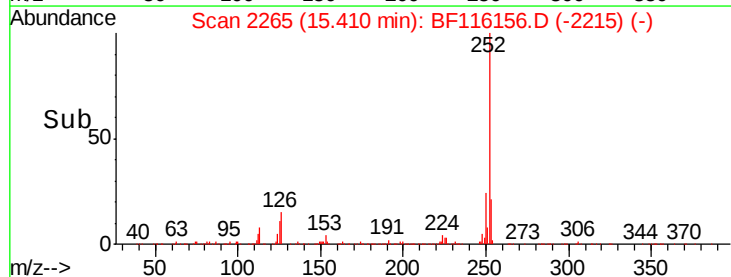
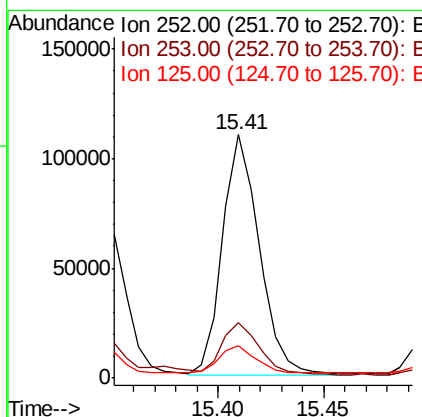
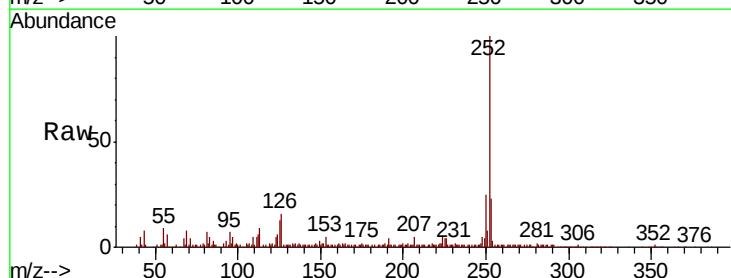
Instrument :
BNA_F
ClientSampleId :

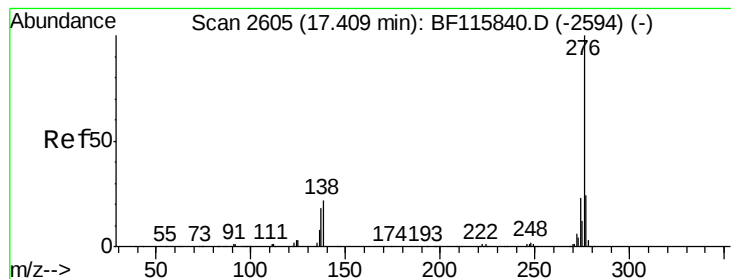
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.8	26.8
125	12.6	7.7	11.5



#90
Benzo(a)pyrene
Concen: 8.987 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF116156.D
Acq: 10 Aug 2019 18:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	13.2	8.9	13.3





#92

Benzo(a,h,i)perylene

Concen: 5.881 ng

RT: 17.40 min Scan# 2603

Delta R.T. 0.01 min

Lab File: BF116156.D

Acq: 10 Aug 2019 18:34

Instrument :

BNA_F

ClientSampleId :

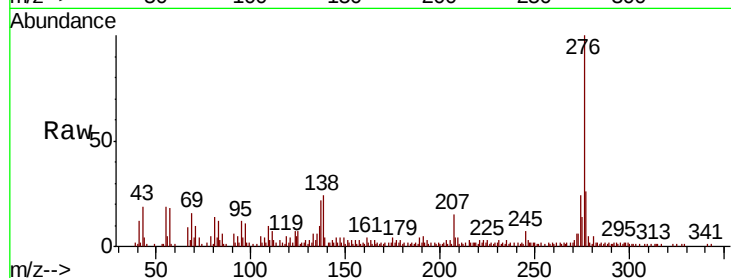
Tot Ion: 276 Resp: 74584

Ion Ratio Lower Upper

276 100

277 26.0 18.4 27.6

138 24.5 17.0 25.6



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

