

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
 Data File : BF116535.D
 Acq On : 25 Aug 2019 16:41
 Operator : HP/JU
 Sample : K4475-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 26 06:28:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	141304	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	539741	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	257835	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	379225	20.00	ng	0.00
76) Chrysene-d12	14.03	240	222970	20.00	ng	0.00
87) Perylene-d12	15.50	264	233029	20.00	ng	-0.01

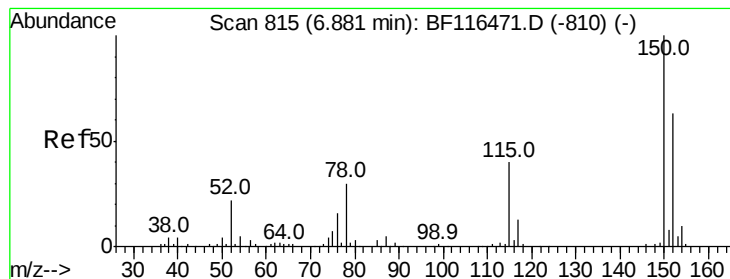
System Monitoring Compounds

5) 2-Fluorophenol	5.51	112	776787	80.32	ng	0.01
7) Phenol-d6	6.51	99	1049008	88.47	ng	0.00
23) Nitrobenzene-d5	7.44	82	662089	67.11	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	152757	69.00	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1040821	65.01	ng	0.00
79) Terphenyl-d14	12.98	244	756491	63.37	ng	0.00

Target Compounds

						Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	88923	10.990	ng	# 78
25) Isophorone	7.44	82	661826	34.042	ng	# 67
50) Dimethylphthalate	9.62	163	135920	7.556	ng	99
57) 2,4-Dinitrotoluene	9.92	165	33163	7.078	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.69	198	269	7.153	ng	# 1
67) 4-Bromophenyl-phenylether	10.70	248	10362	2.606	ng	# 1
71) Phenanthrene	11.42	178	248481	12.028	ng	97
72) Anthracene	11.47	178	54539	2.627	ng	98
75) Fluoranthene	12.60	202	292918	13.715	ng	96
78) Pyrene	12.83	202	264929	14.858	ng	100
81) Benzo(a)anthracene	14.02	228	117859	8.161	ng	96
83) Chrysene	14.06	228	110562	7.554	ng	98
86) Indeno(1,2,3-cd)pyrene	16.96	276	43590	3.477	ng	96
88) Benzo(b)fluoranthene	15.07	252	155147	10.778	ng	97
89) Benzo(k)fluoranthene	15.07	252	155147	11.896	ng	98
90) Benzo(a)pyrene	15.43	252	79923	6.282	ng	95
92) Benzo(a,h,i)perylene	17.39	276	40089	4.022	ng	98

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

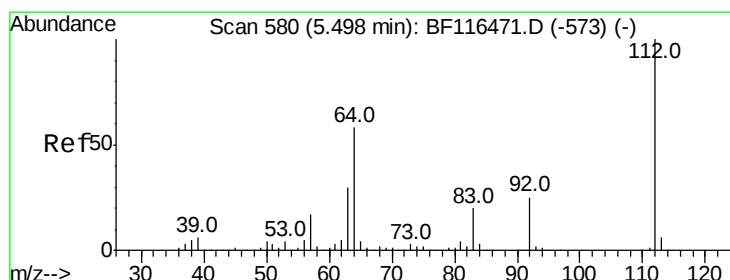
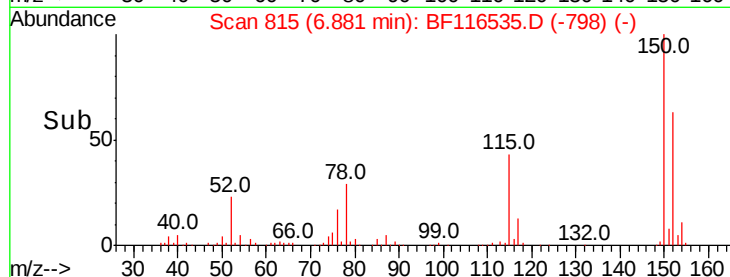
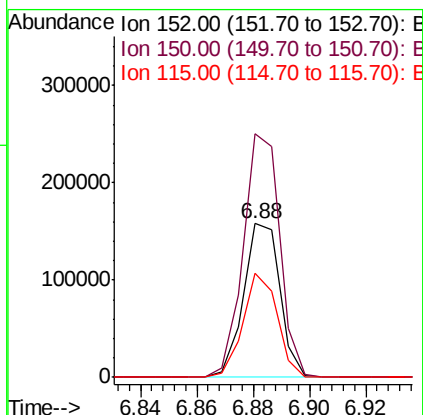
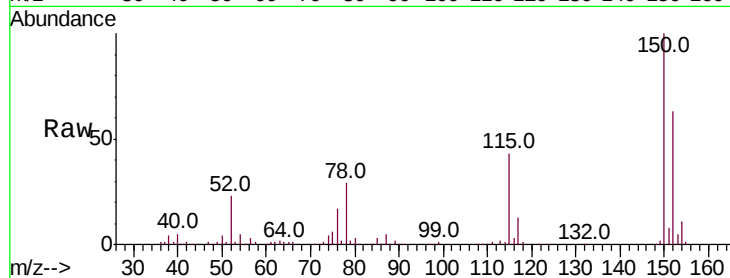


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF116535.D
Acq: 25 Aug 2019 16:41

Instrument :
BNA_F
ClientSampleId :

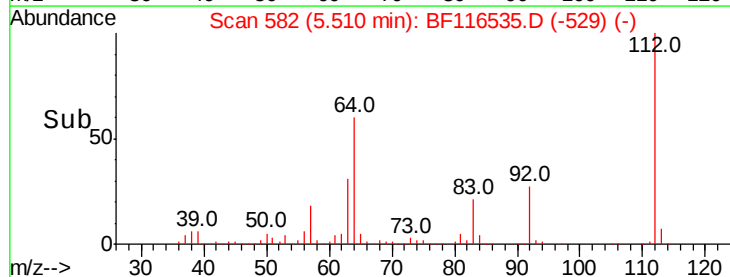
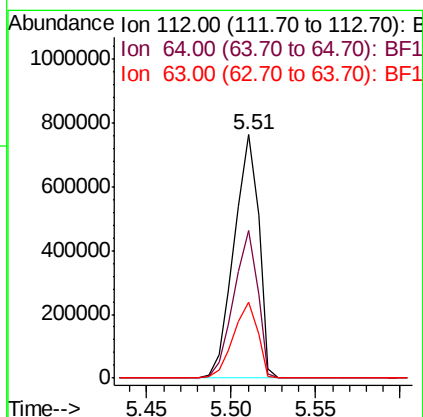
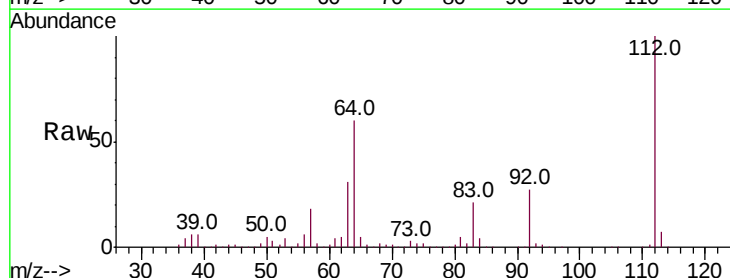
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	126.7	190.1
115	67.7	50.9	76.3

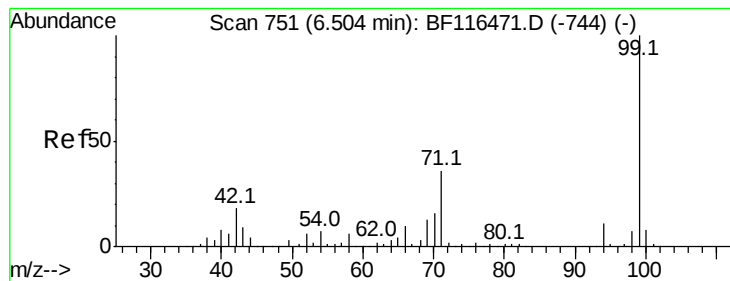


#5

2-Fluorophenol
Concen: 80.323 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF116535.D
Acq: 25 Aug 2019 16:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	46.3	69.5
63	31.0	24.2	36.4





#7

Phenol-d6

Concen: 88.466 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF116535.D

Acq: 25 Aug 2019 16:41

Instrument :

BNA_F

ClientSampleId :

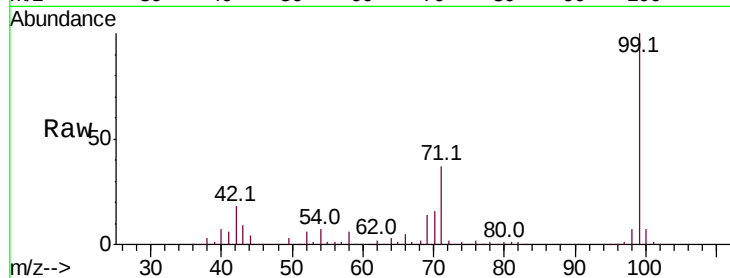
Tot Ion: 99 Resp: 1049008

Ion Ratio Lower Upper

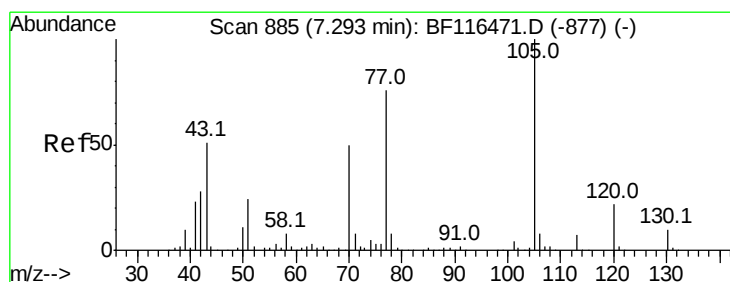
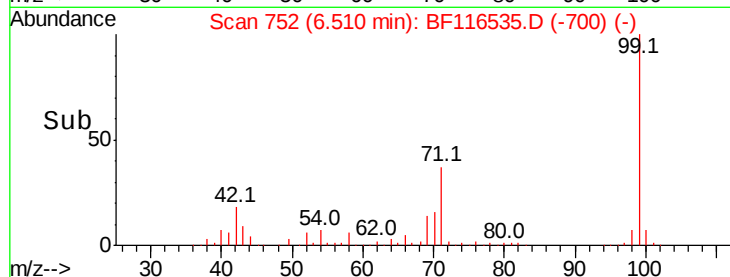
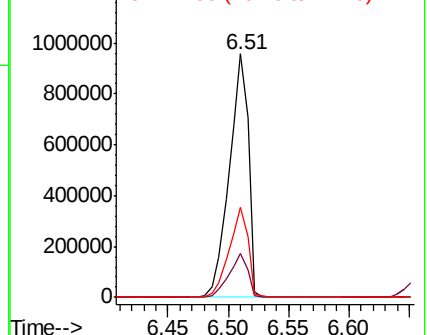
99 100

42 17.8 14.6 21.8

71 36.8 28.5 42.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.990 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF116535.D

Acq: 25 Aug 2019 16:41

Tgt Ion: 70 Resp: 88923

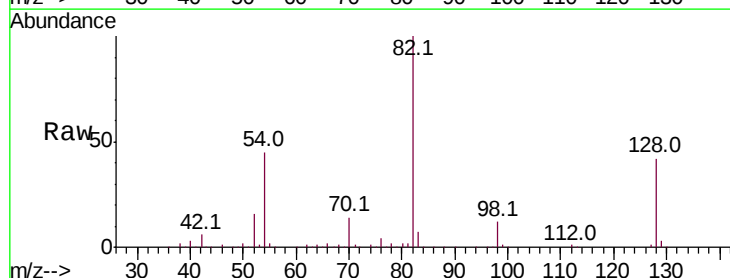
Ion Ratio Lower Upper

70 100

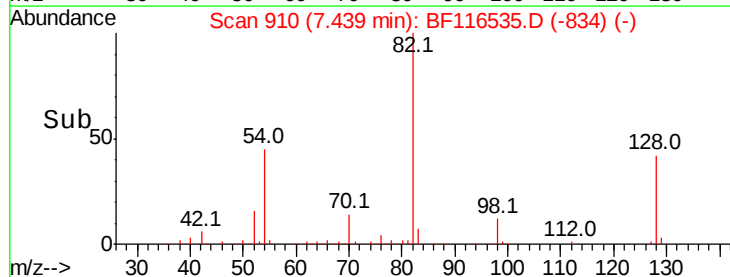
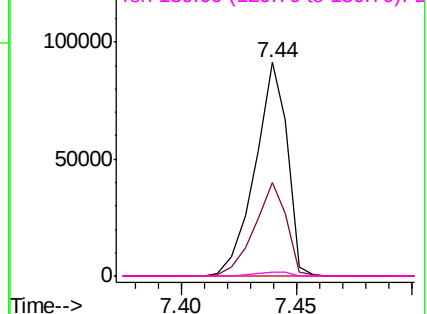
42 44.1 44.4 66.6#

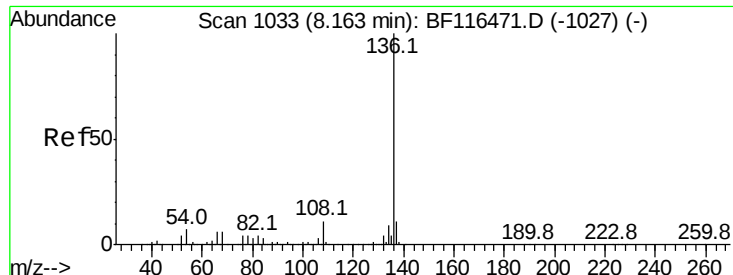
101 0.0 7.1 10.7#

130 1.6 15.8 23.8#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

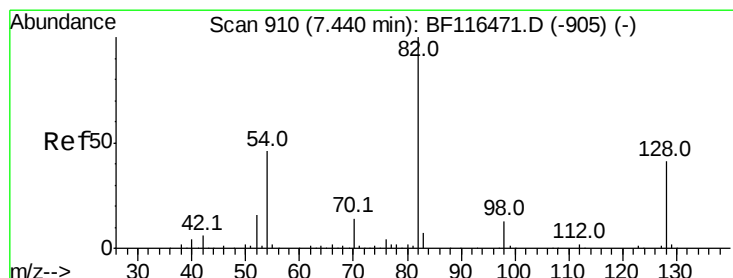
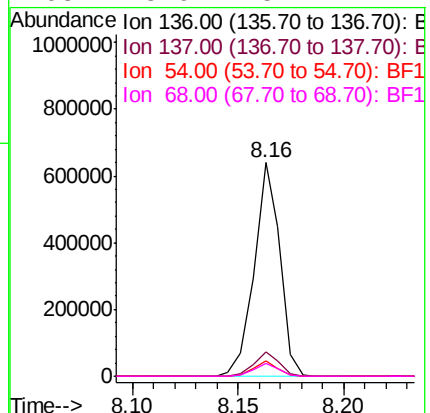
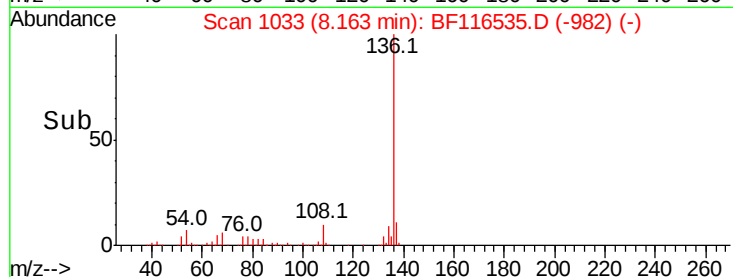
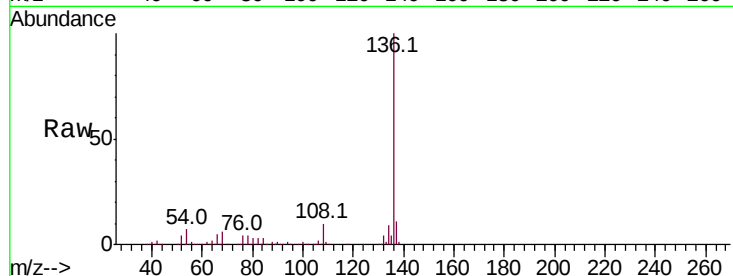




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF116535.D
Acq: 25 Aug 2019 16:41

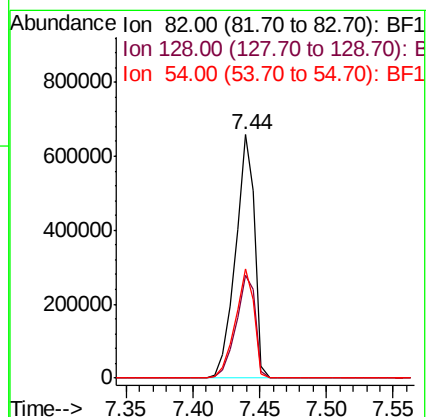
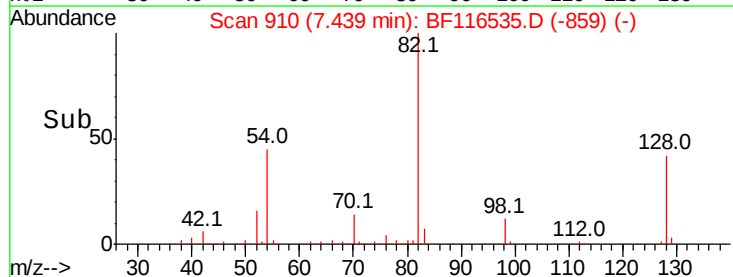
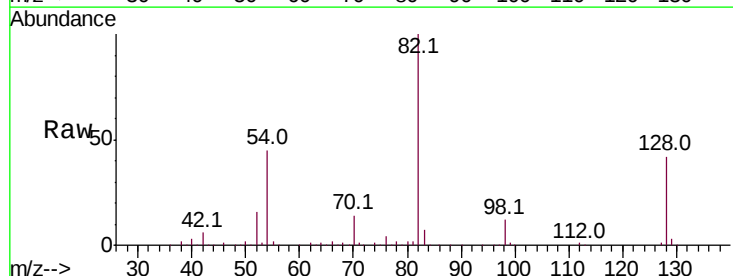
Instrument :
BNA_F
ClientSampleId :

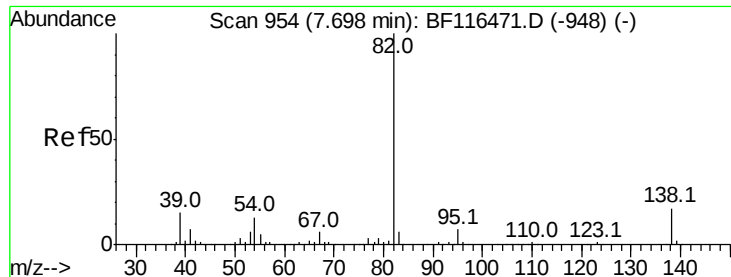
Tot Ion:136	Resp: 539741
Ion Ratio	Lower Upper
136 100	
137 11.3	9.0 13.4
54 6.9	5.8 8.6
68 5.9	5.1 7.7



#23
Nitrobenzene-d5
Concen: 67.112 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.00 min
Lab File: BF116535.D
Acq: 25 Aug 2019 16:41

Tgt Ion: 82	Resp: 662089
Ion Ratio	Lower Upper
82 100	
128 42.4	32.2 48.4
54 44.7	36.5 54.7





#25

Isophorone

Concen: 34.042 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF116535.D

Acq: 25 Aug 2019 16:41

Instrument :

BNA_F

ClientSampleId :

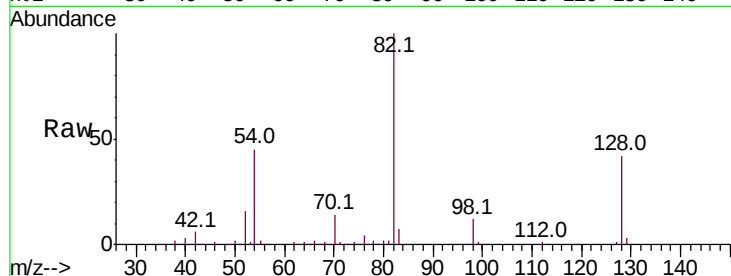
Tot Ion: 82 Resp: 661826

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

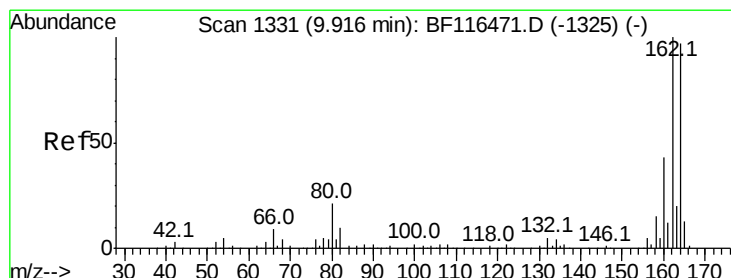
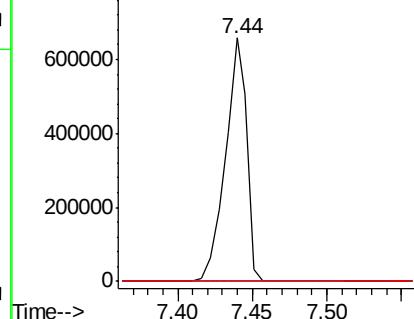
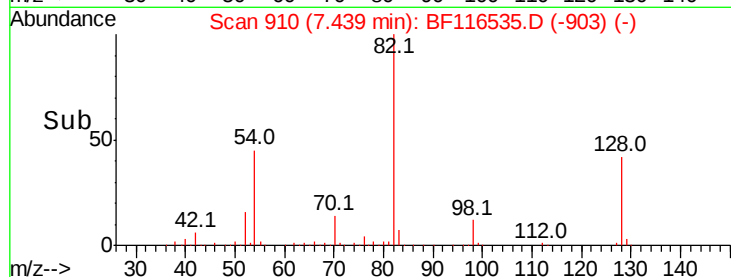
138 0.0 13.3 19.9#



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: 9.92 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BF116535.D

Acq: 25 Aug 2019 16:41

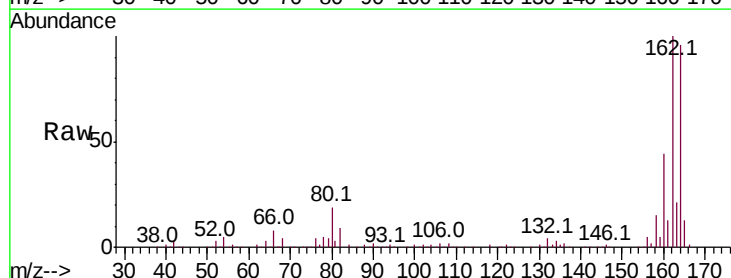
Tgt Ion: 164 Resp: 257835

Ion Ratio Lower Upper

164 100

162 103.9 82.6 123.8

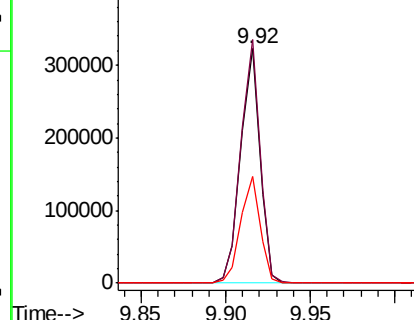
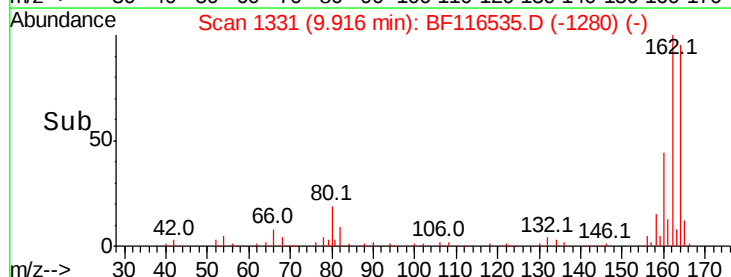
160 45.6 35.8 53.8

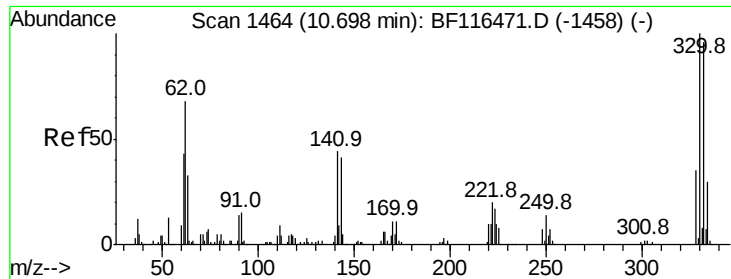


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

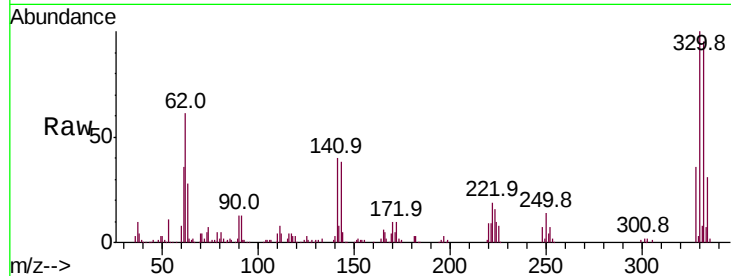




#42
 2,4,6-Tribromophenol
 Concen: 68.997 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BF116535.D
 Acq: 25 Aug 2019 16:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.2	115.8
141	38.3	33.3	49.9

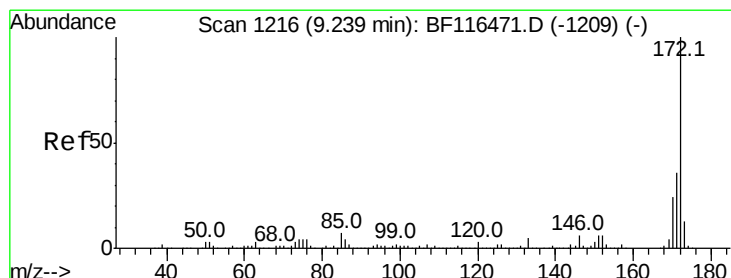
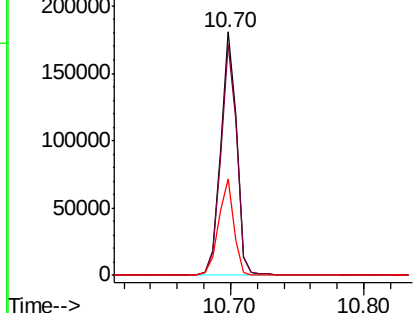
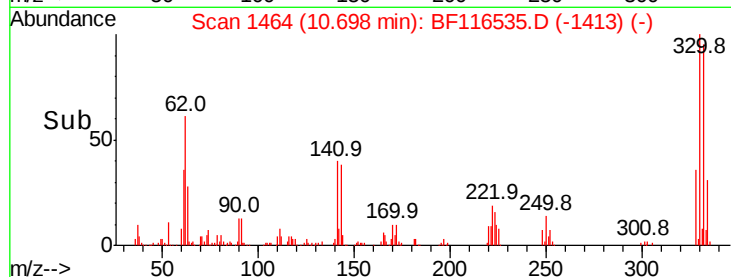


Abundance

Ion 329.80 (329.50 to 330.50): E

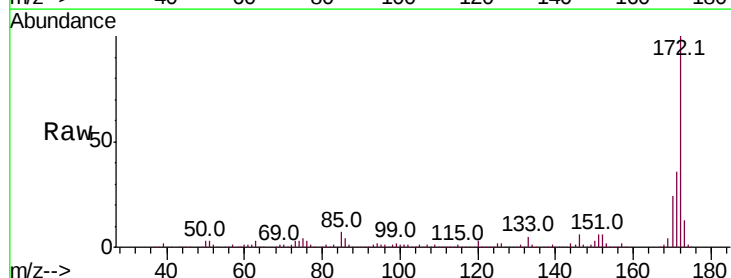
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 65.008 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF116535.D
 Acq: 25 Aug 2019 16:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.9	43.3
170	24.1	19.4	29.0

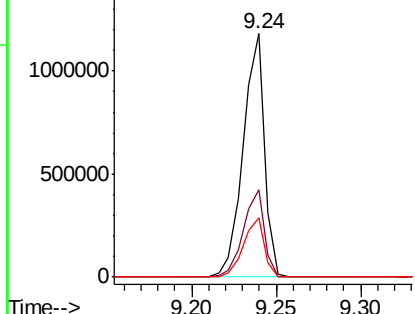
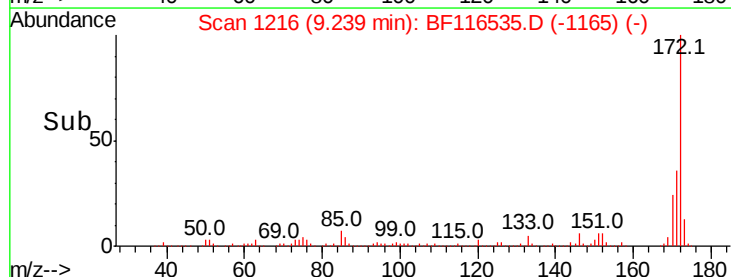


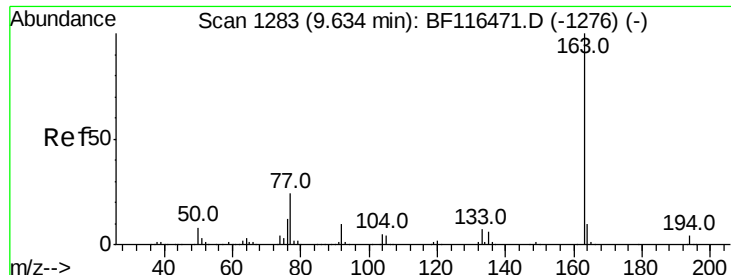
Abundance

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

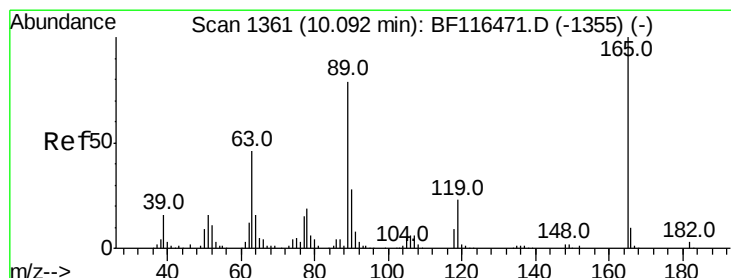
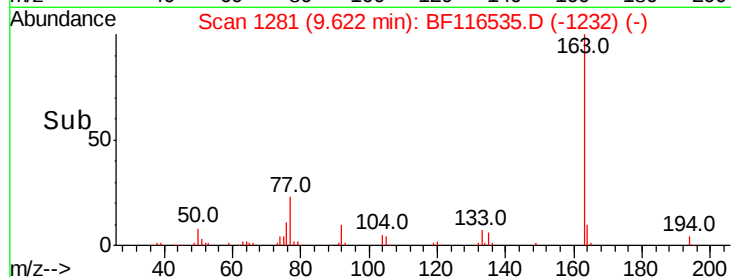
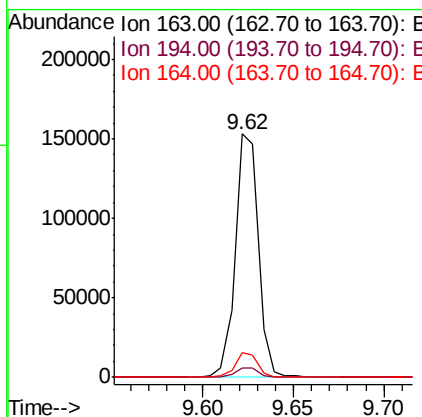
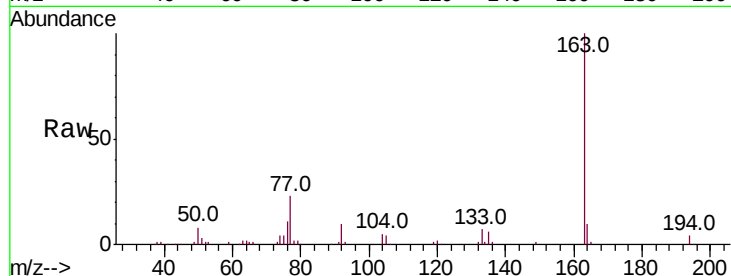




#50
Dimethylphthalate
Concen: 7.556 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF116535.D
Acq: 25 Aug 2019 16:41

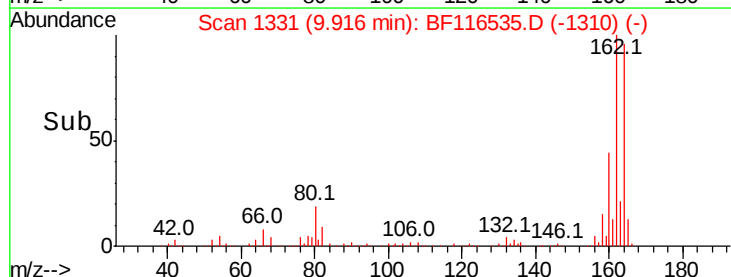
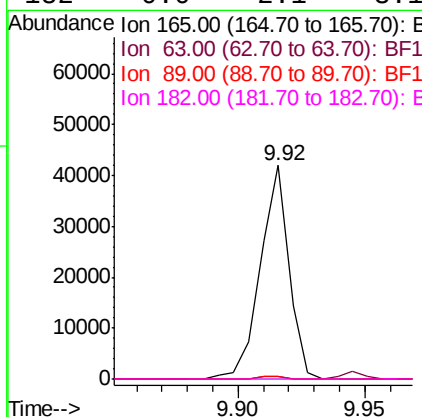
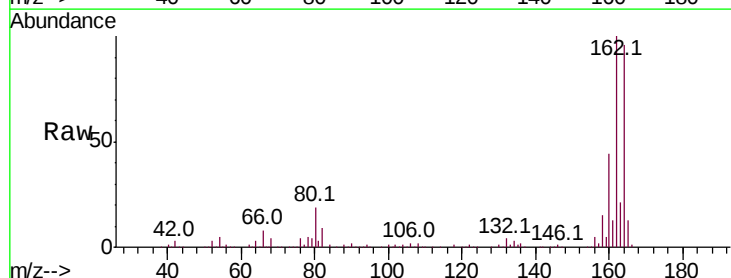
Instrument :
BNA_F
ClientSampleId :

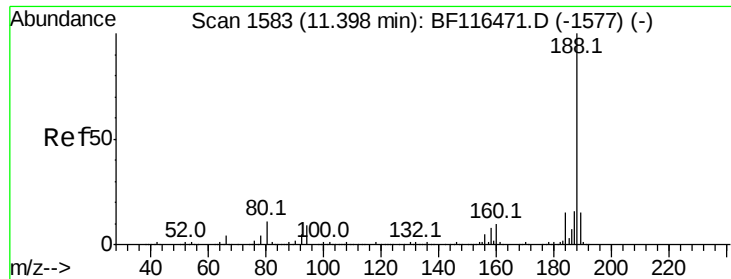
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.9	4.3
164	10.4	8.2	12.2



#57
2,4-Dinitrotoluene
Concen: 7.078 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.18 min
Lab File: BF116535.D
Acq: 25 Aug 2019 16:41

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.9	55.3#
89	1.3	63.4	95.0#
182	0.0	2.1	3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BF116535.D

Acq: 25 Aug 2019 16:41

Instrument :

BNA_F

ClientSampled :

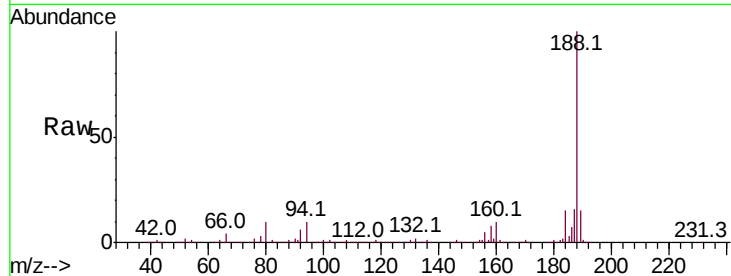
Tot Ion:188 Resp: 379225

Ion Ratio Lower Upper

188 100

94 9.6 7.4 11.2

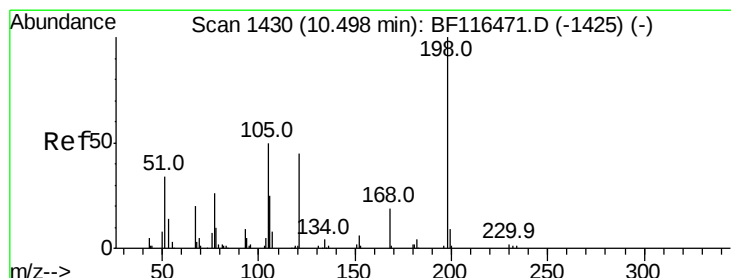
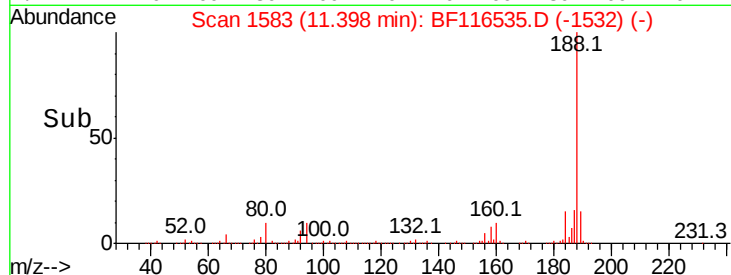
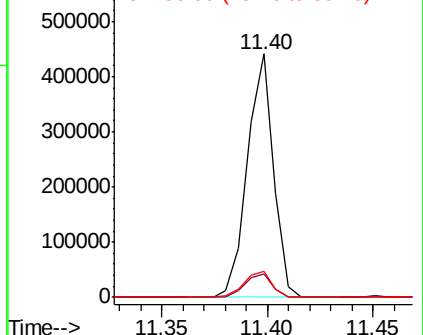
80 10.5 8.6 12.8



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.153 ng

RT: 10.69 min Scan# 1463

Delta R.T. 0.19 min

Lab File: BF116535.D

Acq: 25 Aug 2019 16:41

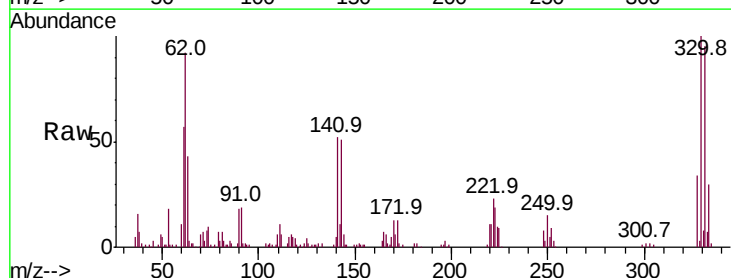
Tgt Ion:198 Resp: 269

Ion Ratio Lower Upper

198 100

51 254.5 30.4 70.4#

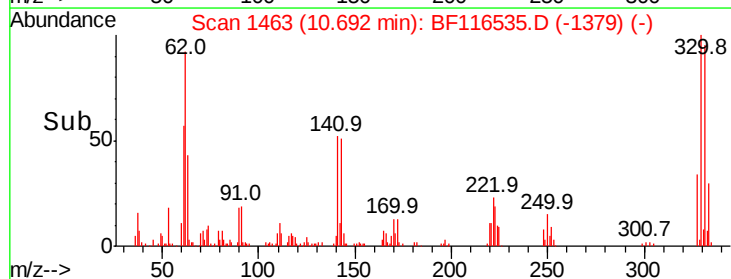
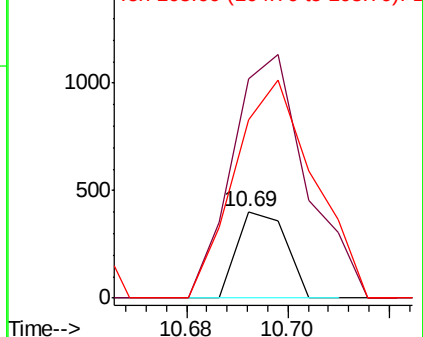
105 206.5 32.8 72.8#

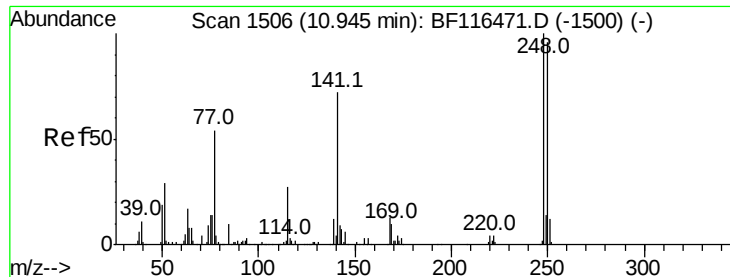


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

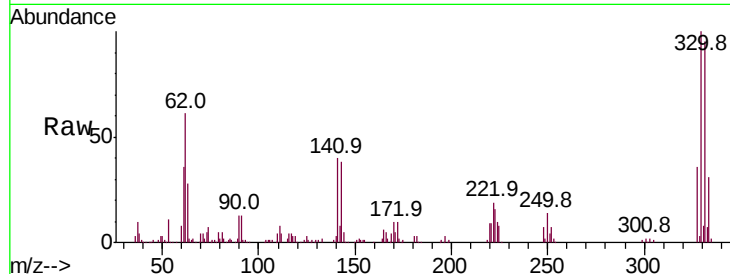




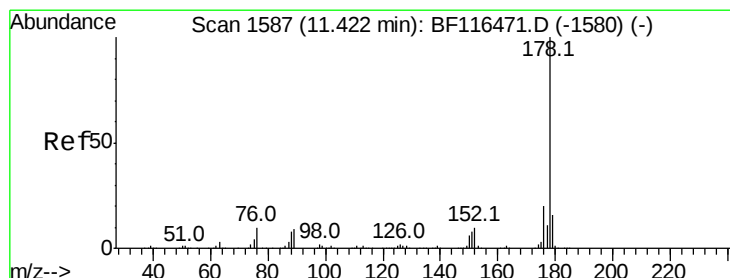
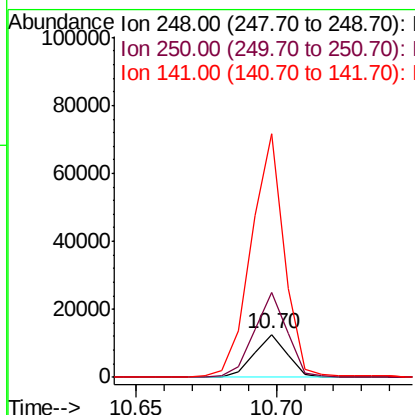
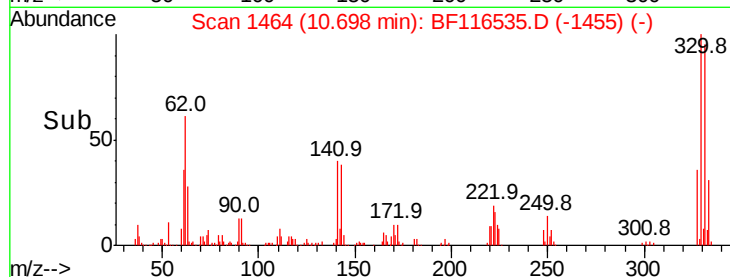
#67
 4-Bromophenyl-phenylether
 Concen: 2.606 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.25 min
 Lab File: BF116535.D
 Acq: 25 Aug 2019 16:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 10362
 Ion Ratio Lower Upper
 248 100
 250 197.3 77.0 115.6#
 141 562.3 57.4 86.0#

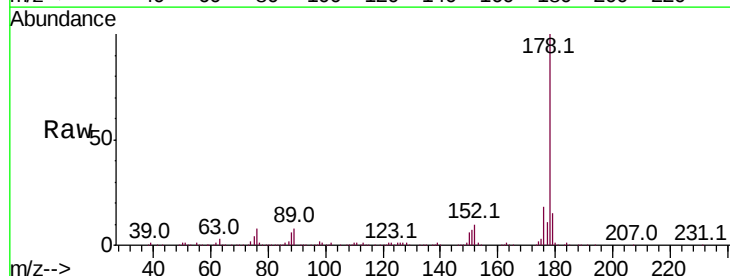


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

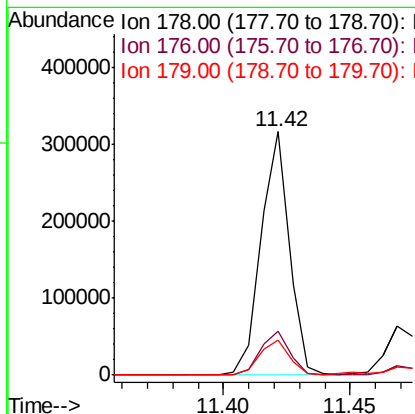
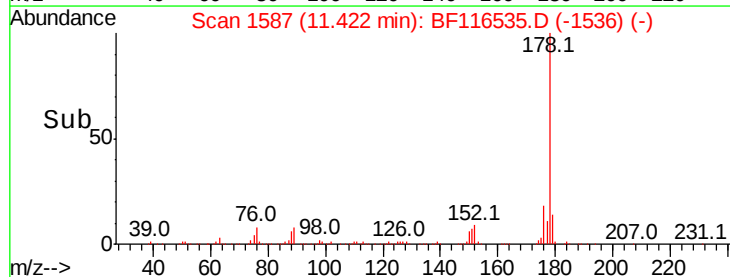


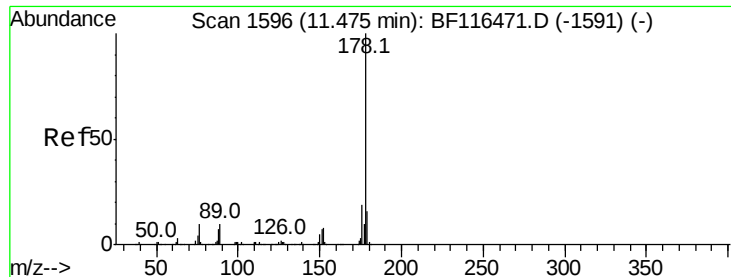
#71
 Phenanthrene
 Concen: 12.028 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: BF116535.D
 Acq: 25 Aug 2019 16:41

Tgt Ion:178 Resp: 248481
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.8 23.6
 179 14.5 12.8 19.2



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: 2.627 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF116535.D

Acq: 25 Aug 2019 16:41

Instrument :

BNA_F

ClientSampleId :

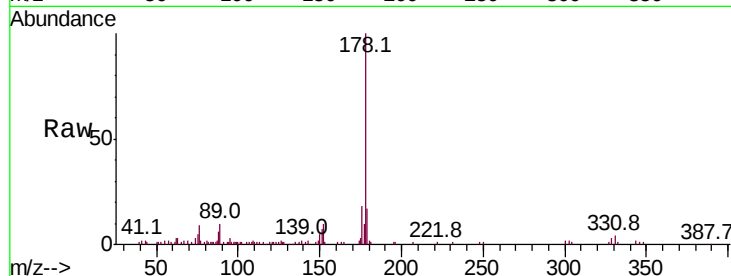
Tot Ion:178 Resp: 54539

Ion Ratio Lower Upper

178 100

176 18.2 15.2 22.8

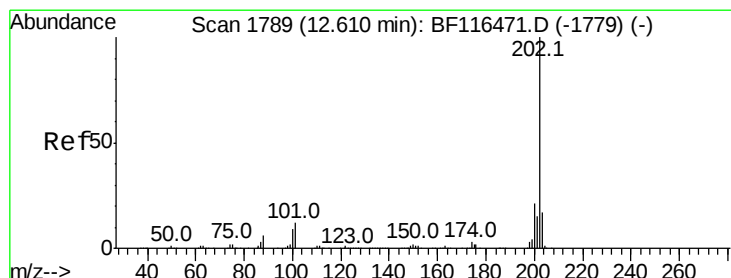
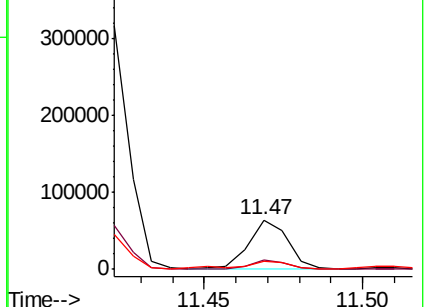
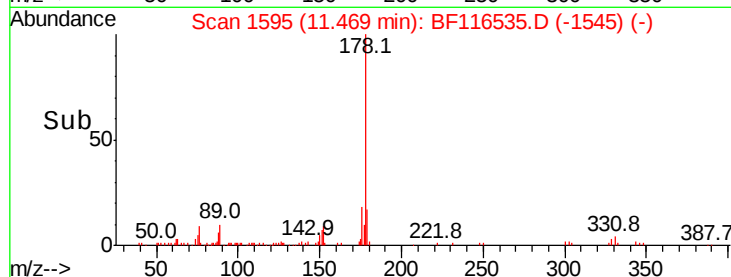
179 16.8 12.5 18.7



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



#75

Fluoranthene

Concen: 13.715 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BF116535.D

Acq: 25 Aug 2019 16:41

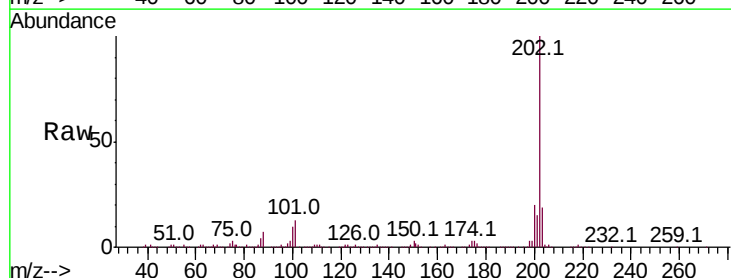
Tgt Ion:202 Resp: 292918

Ion Ratio Lower Upper

202 100

101 13.2 0.0 31.5

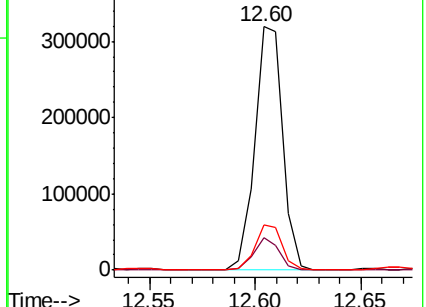
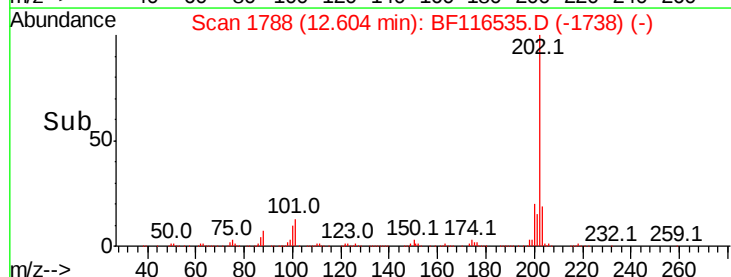
203 18.8 0.0 37.5

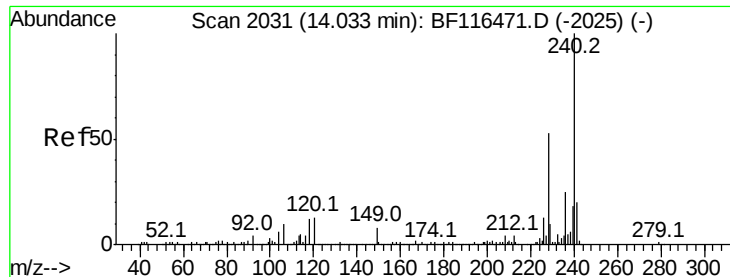


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

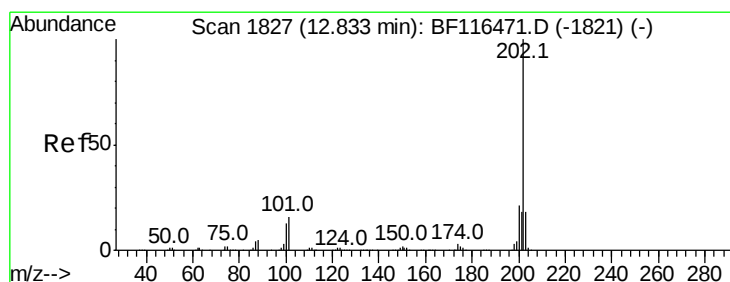
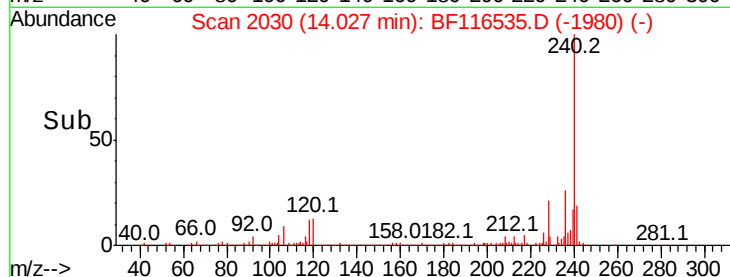
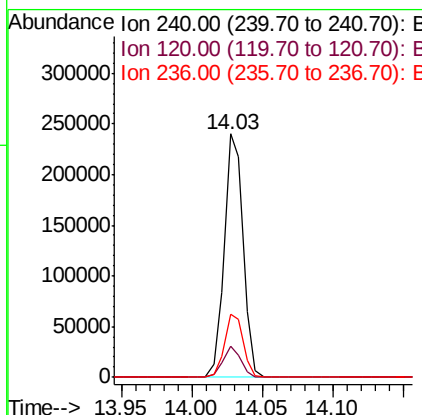
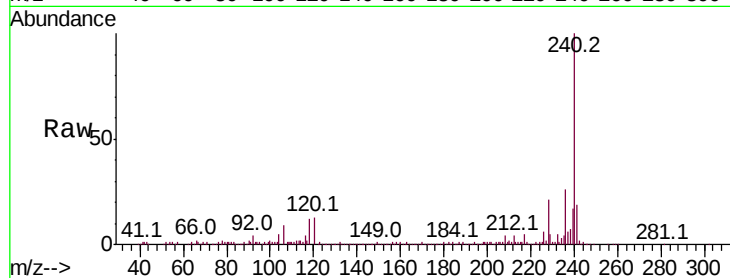




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF116535.D
Acq: 25 Aug 2019 16:41

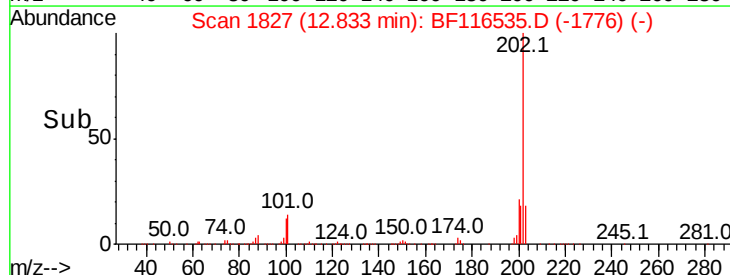
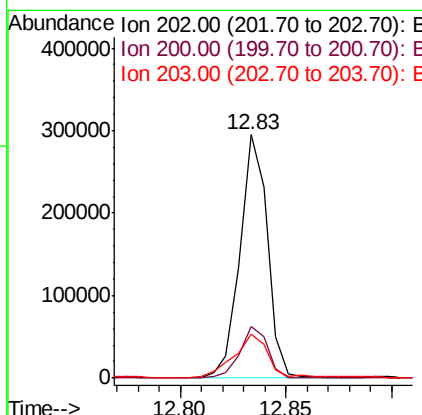
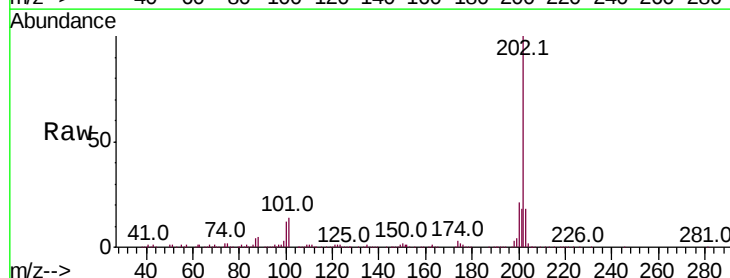
Instrument :
BNA_F
ClientSampleId :

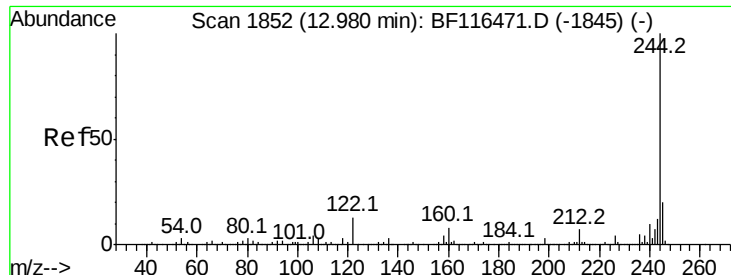
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.9	10.5	15.7
236	25.7	20.2	30.2



#78
Pyrene
Concen: 14.858 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BF116535.D
Acq: 25 Aug 2019 16:41

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	18.0	14.2	21.4



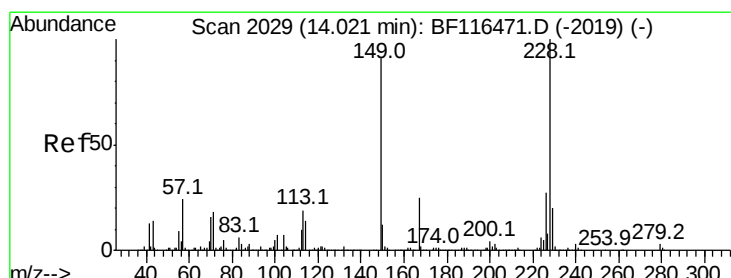
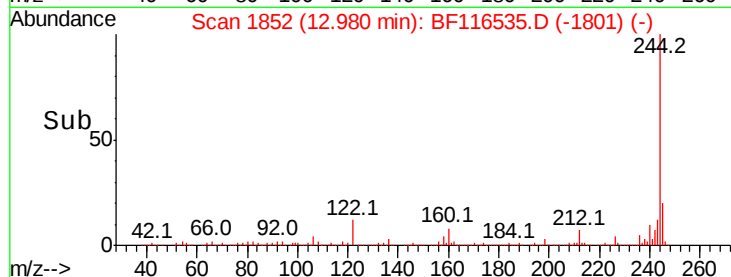
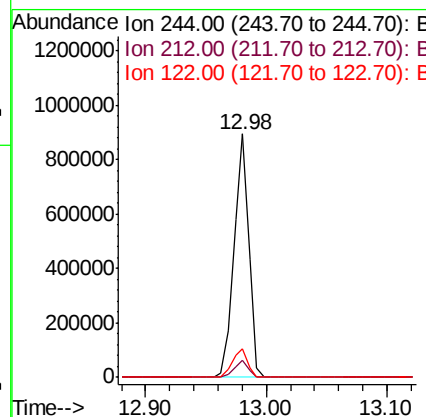
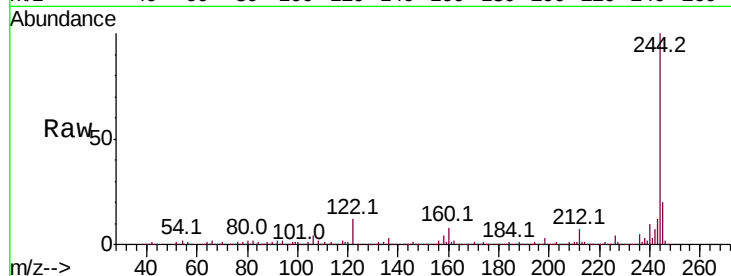


#79
 Terphenyl-d14
 Concen: 63.374 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: BF116535.D
 Acq: 25 Aug 2019 16:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 756491

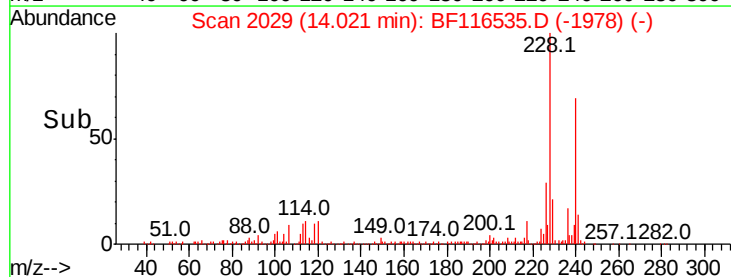
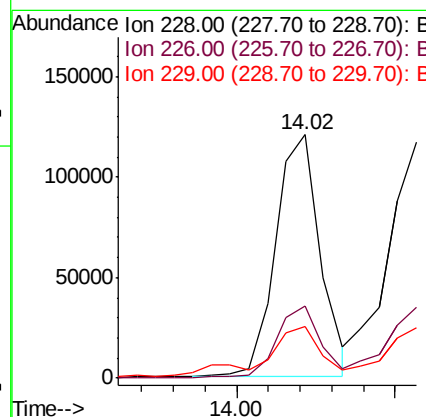
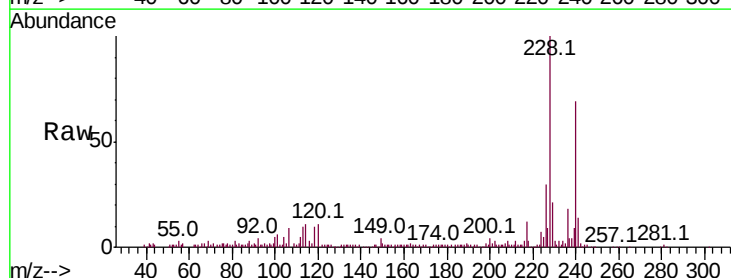
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	11.9	10.2	15.4

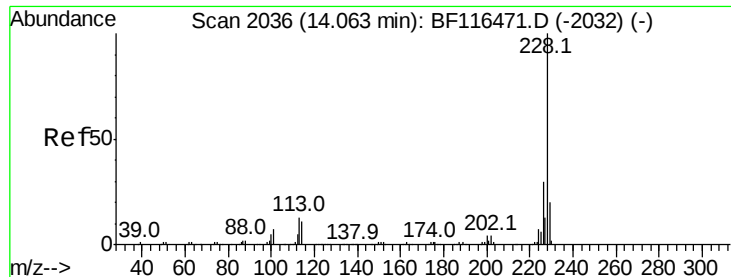


#81
 Benzo(a)anthracene
 Concen: 8.161 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.00 min
 Lab File: BF116535.D
 Acq: 25 Aug 2019 16:41

Tgt Ion:228 Resp: 117859

Ion	Ratio	Lower	Upper
228	100		
226	29.5	21.8	32.6
229	21.3	15.9	23.9

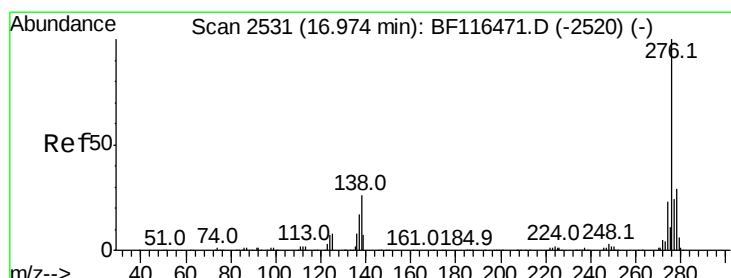
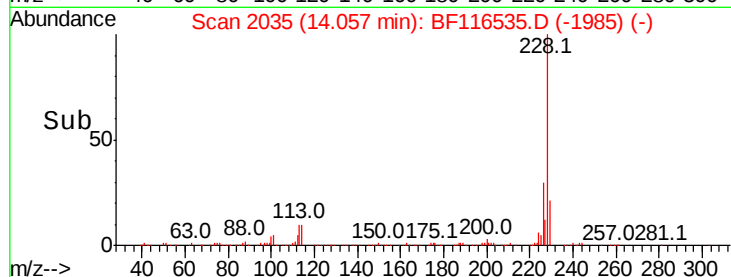
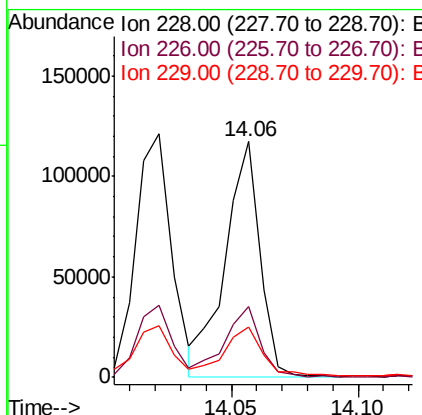
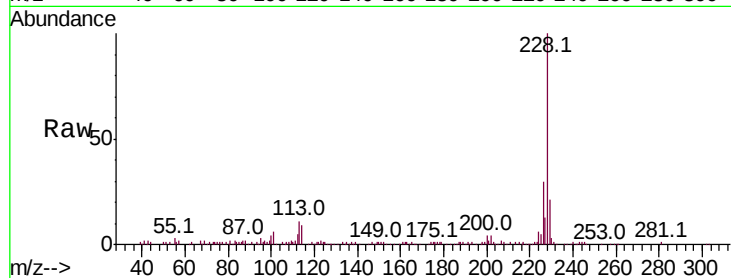




#83
Chrysene
Concen: 7.554 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF116535.D
Acq: 25 Aug 2019 16:41

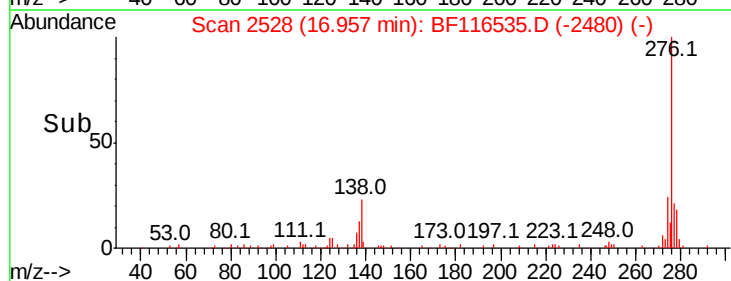
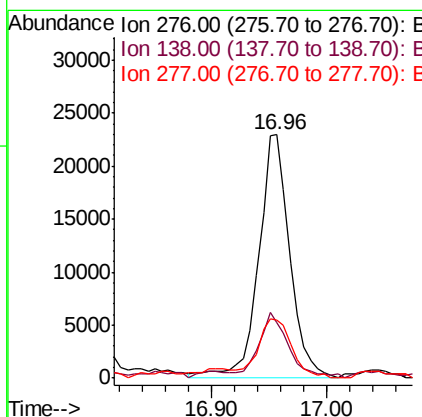
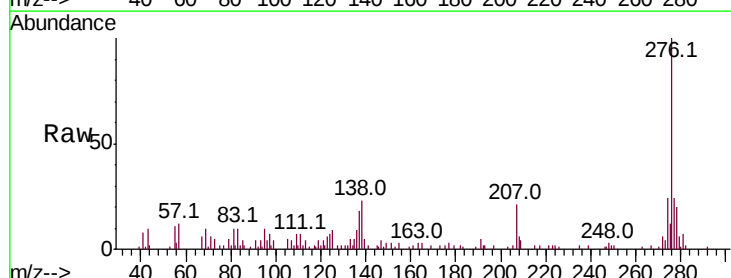
Instrument :
BNA_F
ClientSampleId :

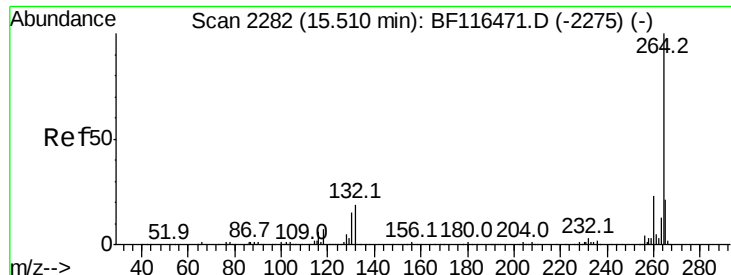
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.2	36.2
229	21.5	15.8	23.6



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.477 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.02 min
Lab File: BF116535.D
Acq: 25 Aug 2019 16:41

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.7	22.9	34.3
277	26.2	19.9	29.9

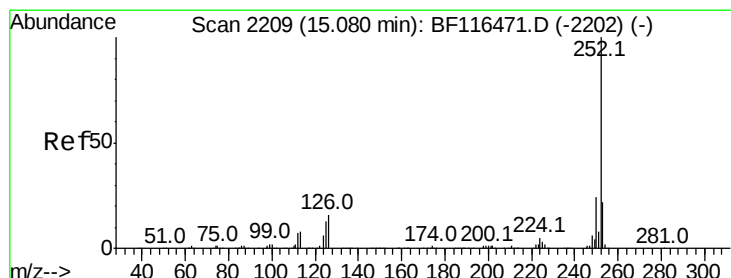
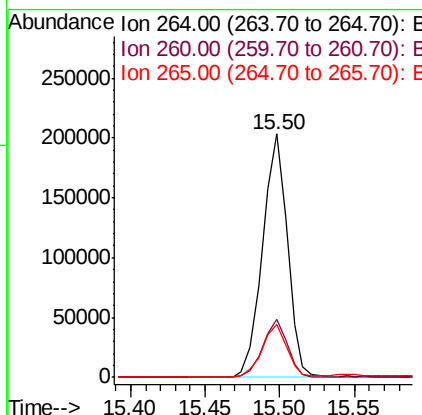
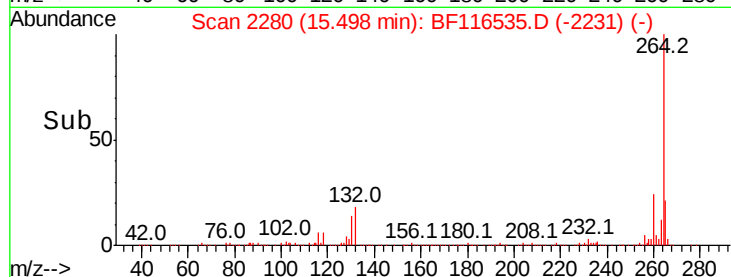
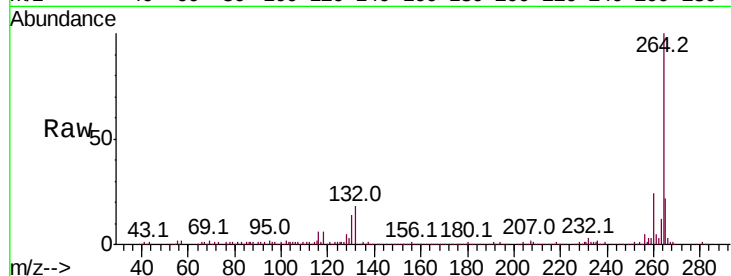




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF116535.D
Acq: 25 Aug 2019 16:41

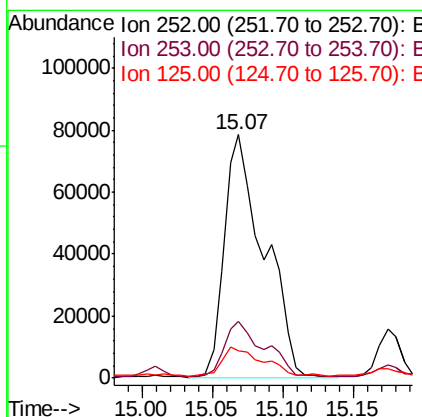
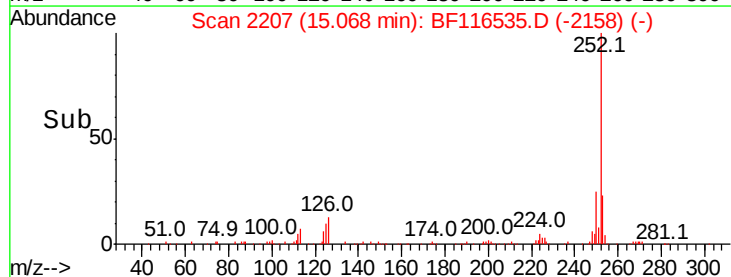
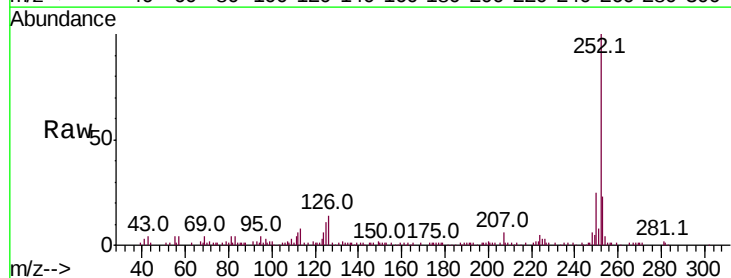
Instrument :
BNA_F
ClientSampleId :

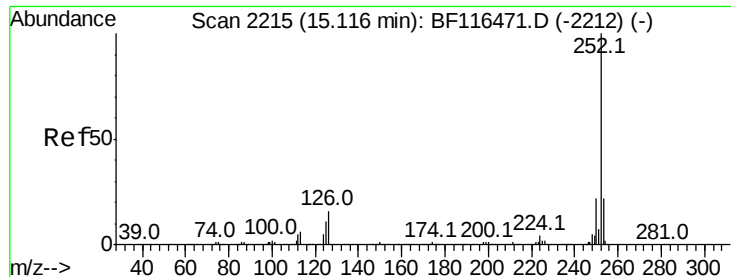
Tot Ion:	264	Resp:	233029
Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.8	28.2
265	21.5	17.1	25.7



#88
Benzo(b)fluoranthene
Concen: 10.778 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF116535.D
Acq: 25 Aug 2019 16:41

Tgt Ion:	252	Resp:	155147
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	11.0	10.1	15.1

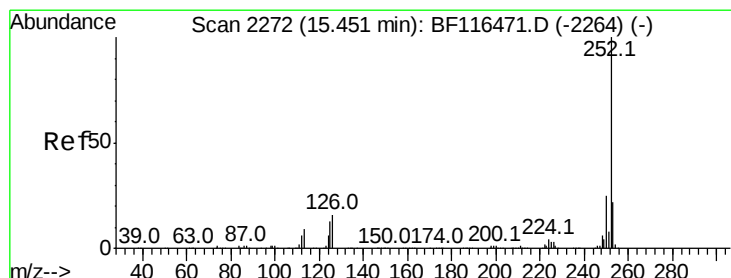
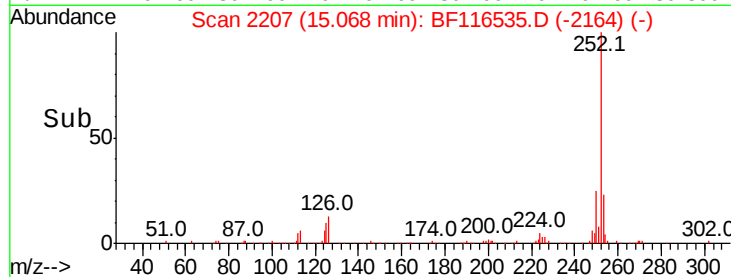
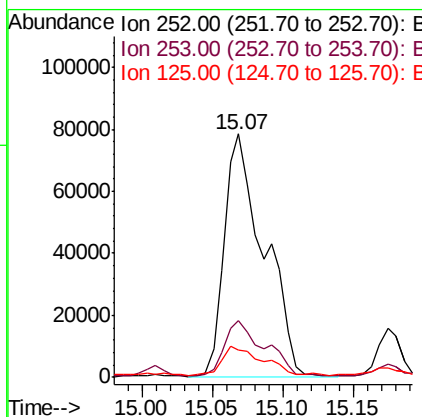
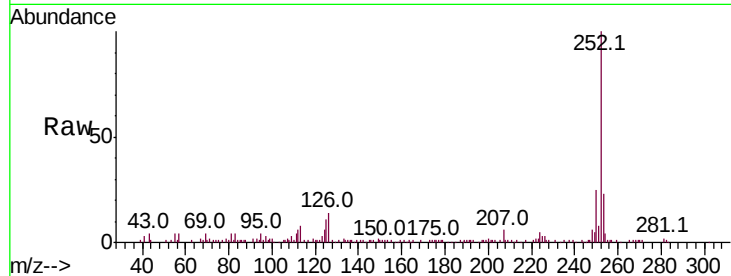




#89
Benzo(k)fluoranthene
Concen: 11.896 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.05 min
Lab File: BF116535.D
Acq: 25 Aug 2019 16:41

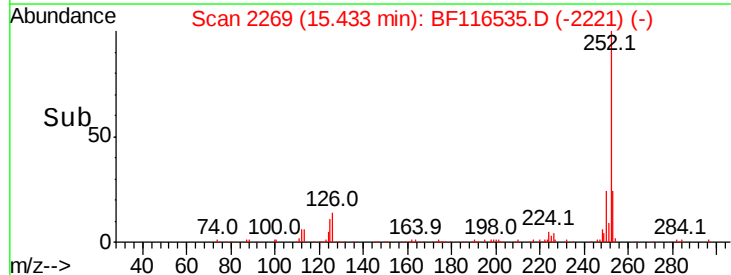
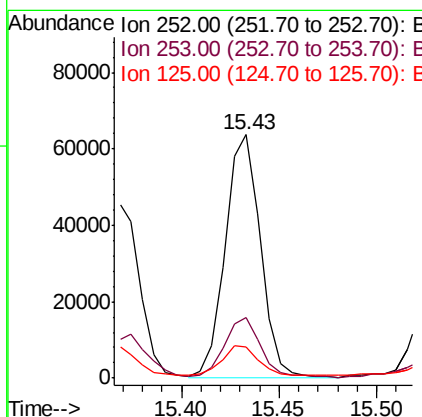
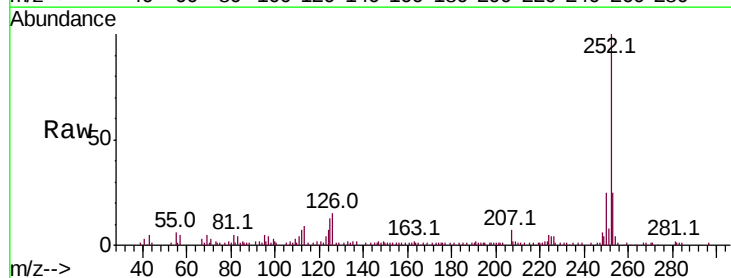
Instrument :
BNA_F
ClientSampled :

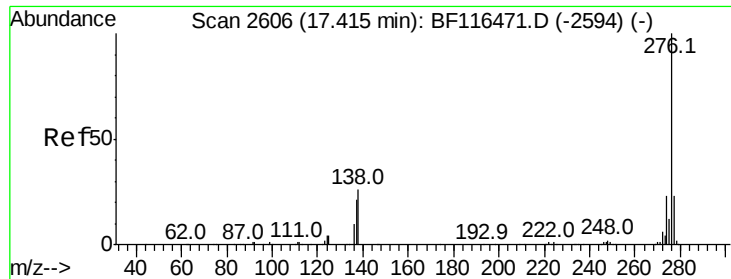
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	11.0	9.1	13.7



#90
Benzo(a)pyrene
Concen: 6.282 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF116535.D
Acq: 25 Aug 2019 16:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.2	25.8
125	12.9	10.2	15.4

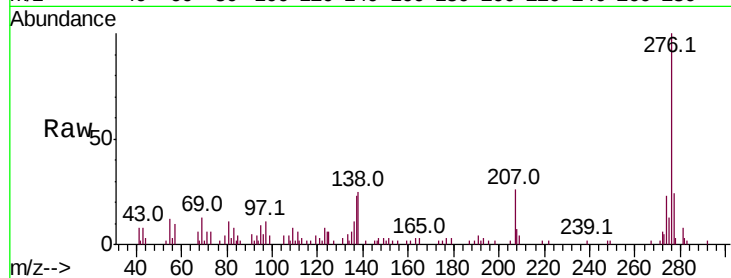




#92
 Benzo(a,h,i)perylene
 Concen: 4.022 ng
 RT: 17.39 min Scan# 2602
 Delta R.T. -0.02 min
 Lab File: BF116535.D
 Acq: 25 Aug 2019 16:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.7	28.1
138	24.5	20.8	31.2



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

