

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
 Data File : BF116838.D
 Acq On : 5 Sep 2019 15:21
 Operator : HP/JU
 Sample : K4680-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 06 03:54:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	87072	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	362126	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	191870	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	306101	20.00	ng	0.00
76) Chrysene-d12	14.00	240	232945	20.00	ng	0.00
87) Perylene-d12	15.46	264	217334	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	373788	69.55	ng	0.00
7) Phenol-d6	6.47	99	522952	74.10	ng	0.00
23) Nitrobenzene-d5	7.40	82	317536	50.06	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	104542	81.50	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	576284	50.67	ng	-0.01
79) Terphenyl-d14	12.95	244	540582	42.93	ng	0.00

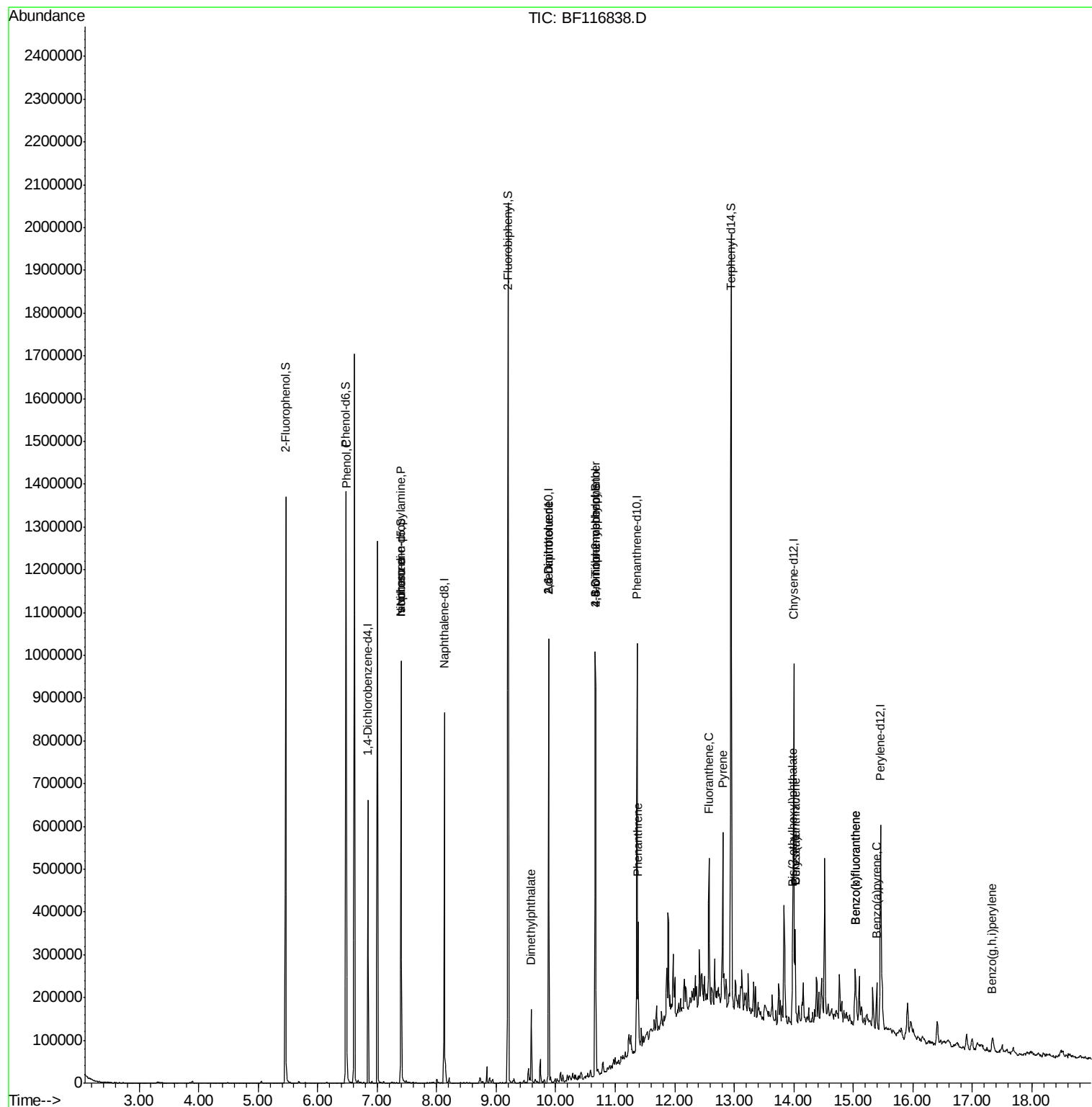
Target Compounds				Qvalue		
10) Phenol	6.49	94	18035	2.308	ng	91
19) n-Nitroso-di-n-propylamine	7.40	70	42085	9.057	ng	# 70
25) Isophorone	7.40	82	317531	24.703	ng	# 66
50) Dimethylphthalate	9.59	163	62704	4.734	ng	97
51) 2,6-Dinitrotoluene	9.88	165	24851	9.833	ng	# 21
57) 2,4-Dinitrotoluene	9.88	165	24851	8.041	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.67	198	109	7.533	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	6964	2.240	ng	# 1
71) Phenanthrene	11.39	178	99052	5.813	ng	100
75) Fluoranthene	12.57	202	115365	6.889	ng	100
78) Pyrene	12.80	202	158048	7.632	ng	98
81) Benzo(a)anthracene	14.02	228	76194	5.168	ng	99
83) Chrysene	14.02	228	76194	5.016	ng	97
84) Bis(2-ethylhexyl)phthalate	13.97	149	35464	2.853	ng	99
88) Benzo(b)fluoranthene	15.03	252	83162	6.329	ng	# 97
89) Benzo(k)fluoranthene	15.03	252	83162	6.941	ng	97
90) Benzo(a)pyrene	15.39	252	50086	4.381	ng	97
92) Benzo(g,h,i)perylene	17.34	276	26347	2.582	ng	98

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

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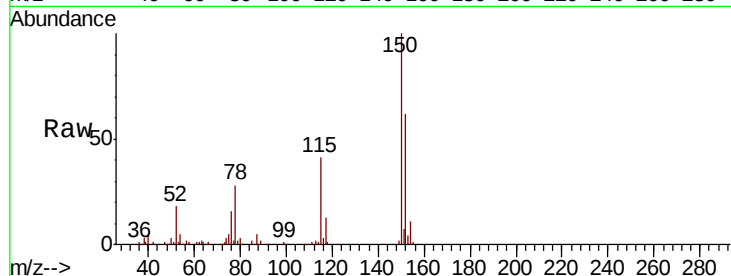


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116838.D
Acq: 5 Sep 2019 15:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	152	Resp	87072
Ion Ratio	Lower	Upper	
152	100		
150	160.9	124.4	186.6
115	66.6	49.9	74.9

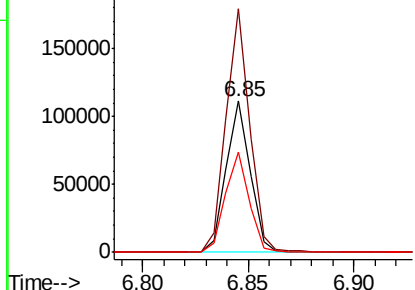
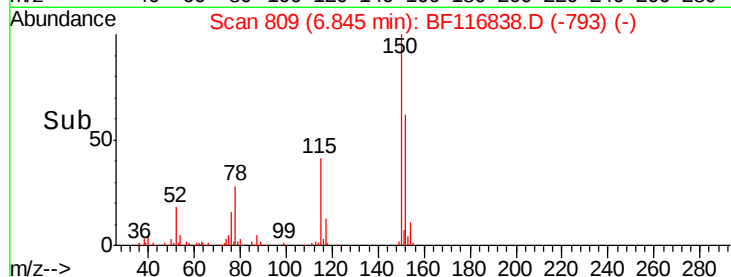


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

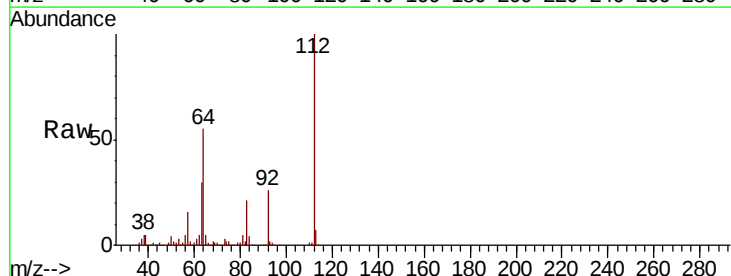
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 69.547 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116838.D
Acq: 5 Sep 2019 15:21

Tgt Ion	112	Resp	373788
Ion Ratio	Lower	Upper	
112	100		
64	54.6	47.1	70.7
63	29.9	24.9	37.3

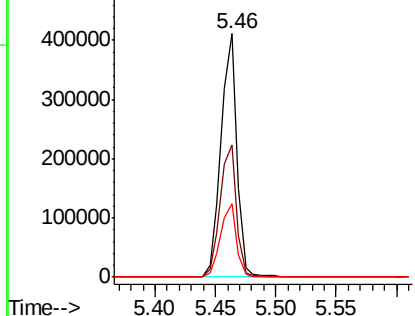
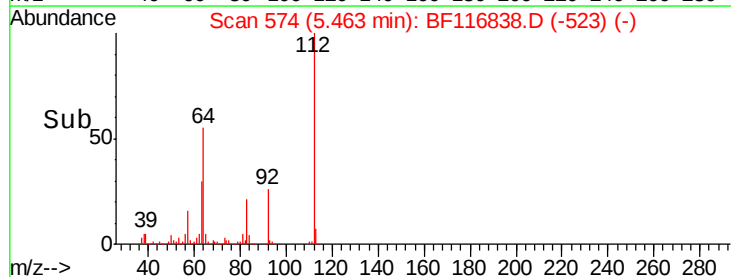


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 74.099 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116838.D

Acq: 5 Sep 2019 15:21

Instrument :

BNA_F

ClientSampleId :

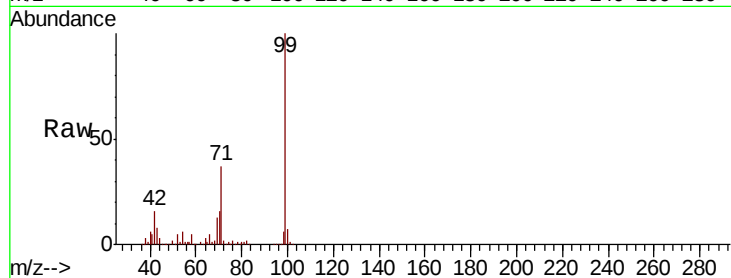
Tot Ion: 99 Resp: 522952

Ion Ratio Lower Upper

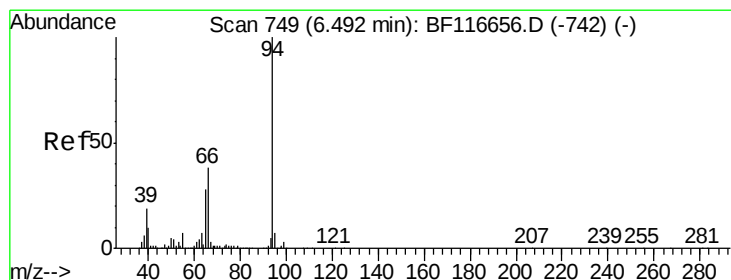
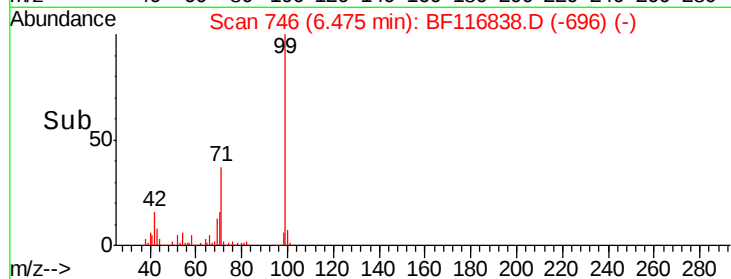
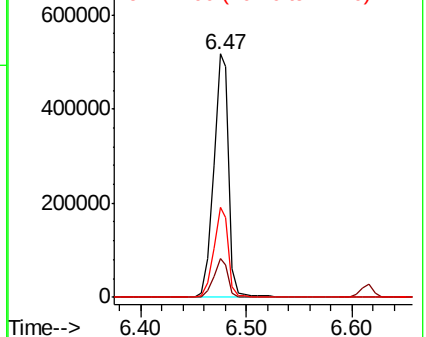
99 100

42 16.0 13.7 20.5

71 37.0 30.8 46.2



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.308 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF116838.D

Acq: 5 Sep 2019 15:21

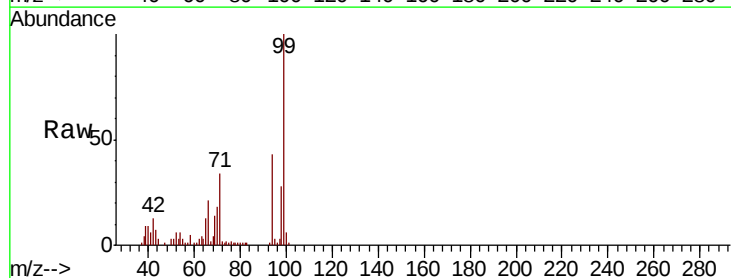
Tgt Ion: 94 Resp: 18035

Ion Ratio Lower Upper

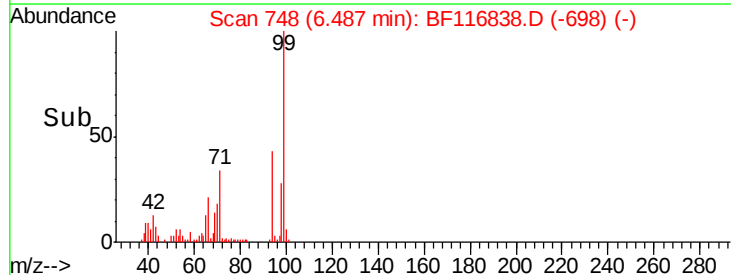
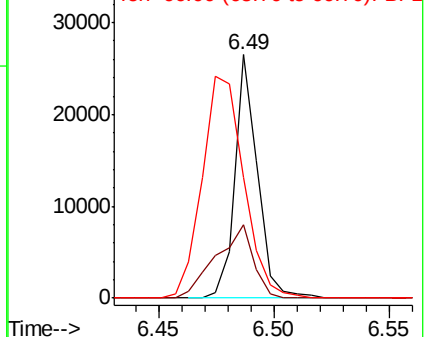
94 100

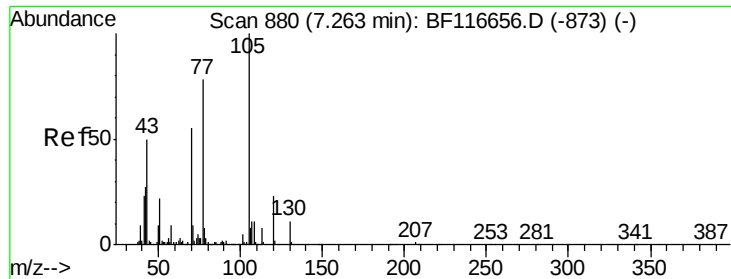
65 30.0 10.8 50.8

66 49.8 21.1 61.1



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

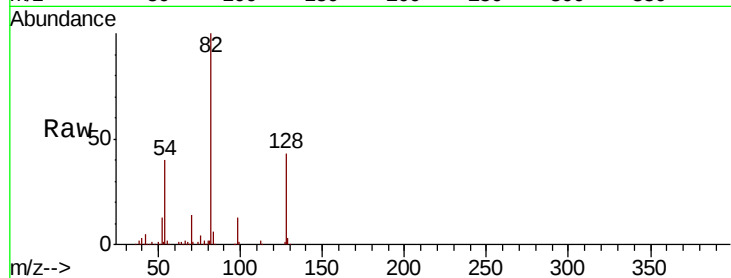




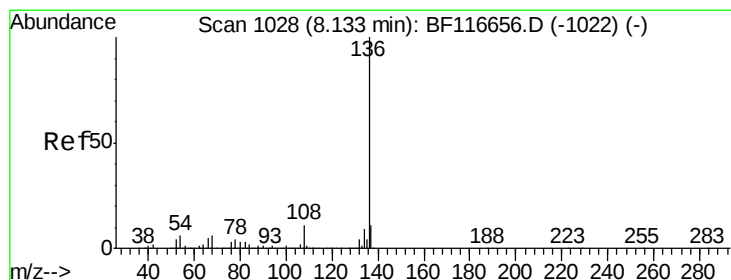
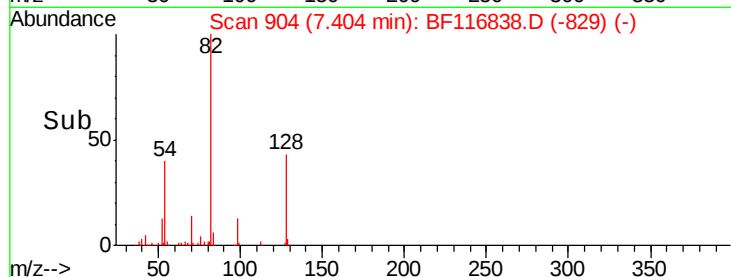
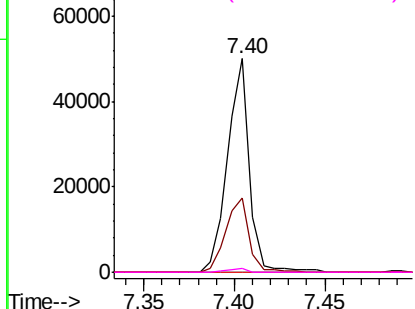
#19
n-Nitroso-di-n-propylamine
Concen: 9.057 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116838.D
Acq: 5 Sep 2019 15:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	70	Resp:	42085
Ion	Ratio	Lower	Upper
70	100		
42	34.9	43.5	65.3#
101	0.0	7.8	11.6#
130	1.7	16.6	24.8#

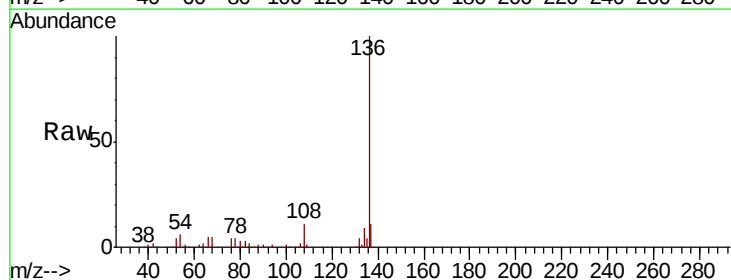


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

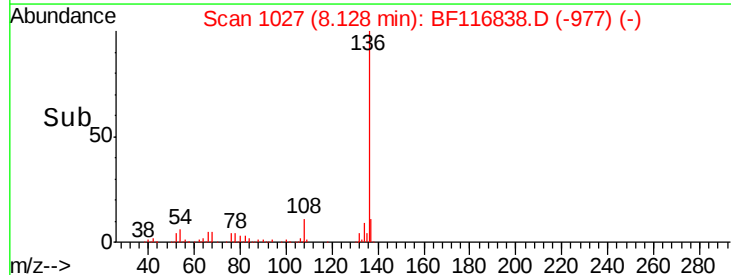
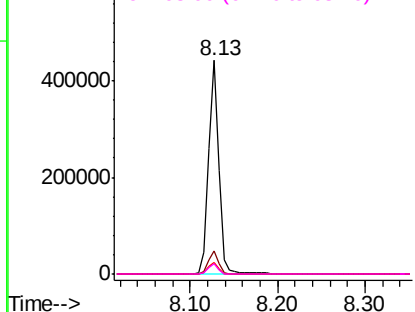


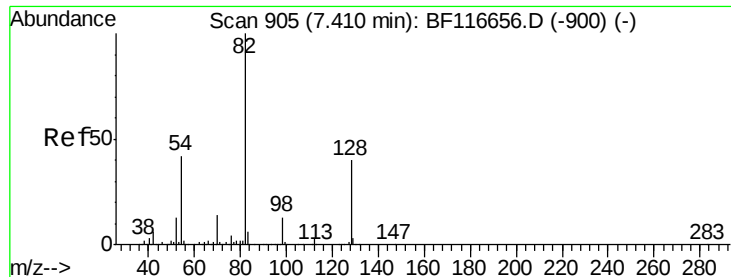
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116838.D
Acq: 5 Sep 2019 15:21

Tgt Ion:	136	Resp:	362126
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	5.6	4.8	7.2
68	4.9	4.0	6.0



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

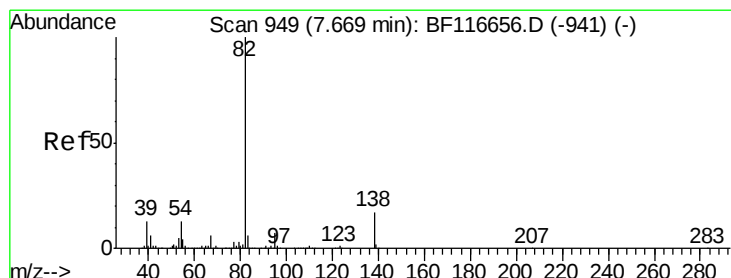
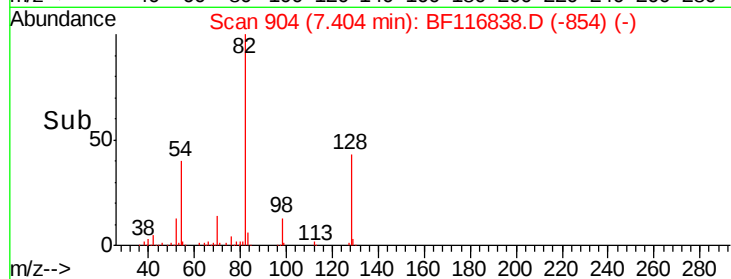
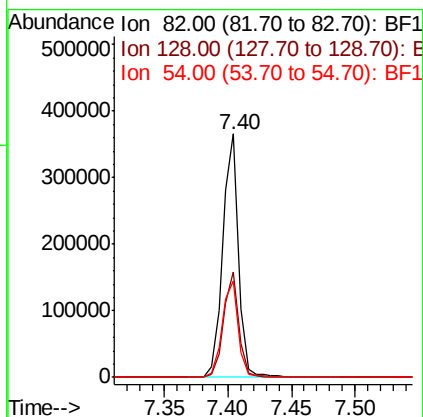
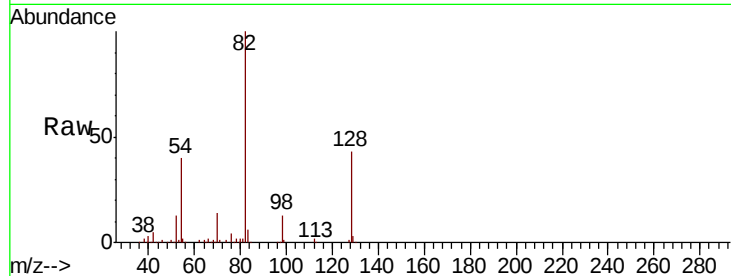




#23
Nitrobenzene-d5
Concen: 50.058 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116838.D
Acq: 5 Sep 2019 15:21

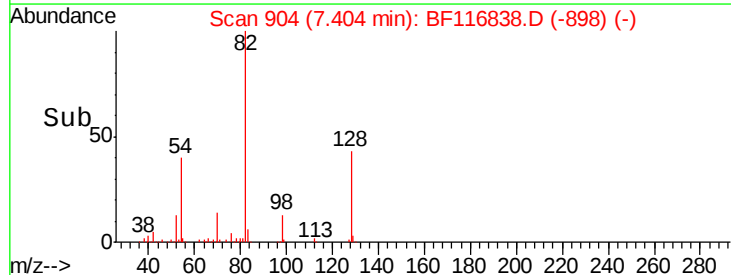
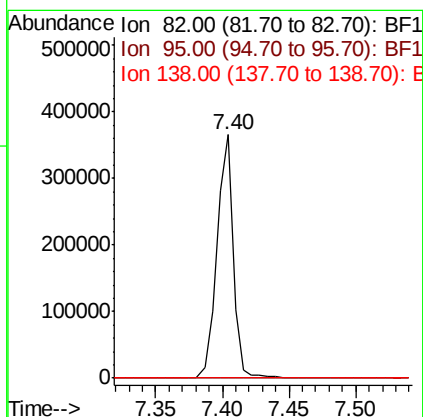
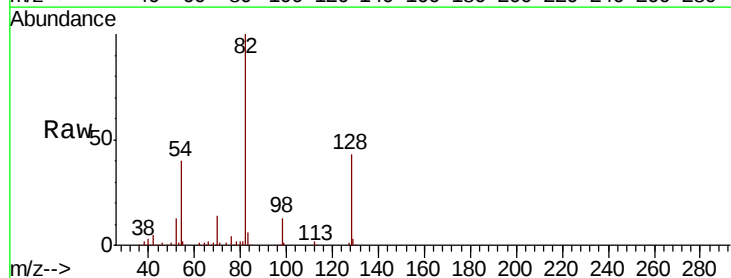
Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	317536
Ion Ratio	Lower	Upper	
82	100		
128	43.0	32.8	49.2
54	39.7	36.9	55.3



#25
Isophorone
Concen: 24.703 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.26 min
Lab File: BF116838.D
Acq: 5 Sep 2019 15:21

Tgt Ion	82	Resp	317531
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

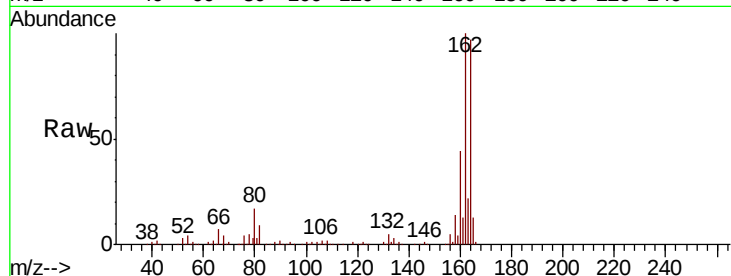




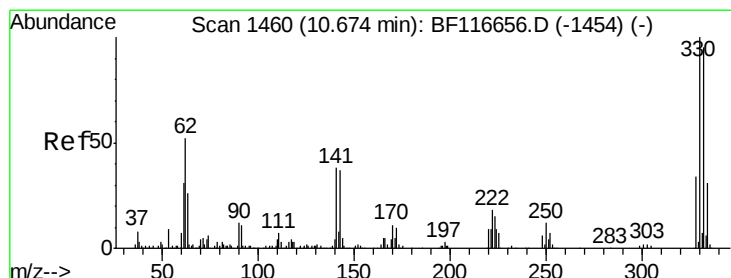
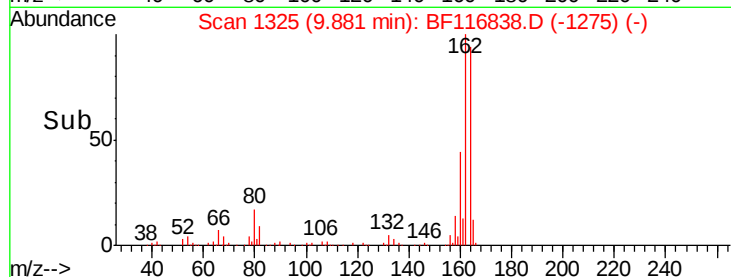
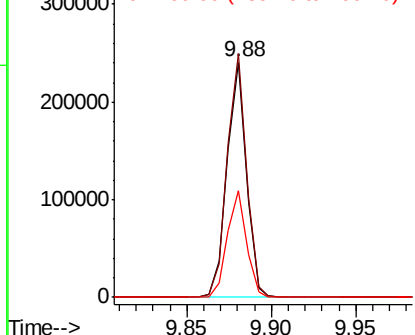
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116838.D
Acq: 5 Sep 2019 15:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 191870
Ion Ratio Lower Upper
164 100
162 103.6 81.4 122.0
160 45.6 35.4 53.2

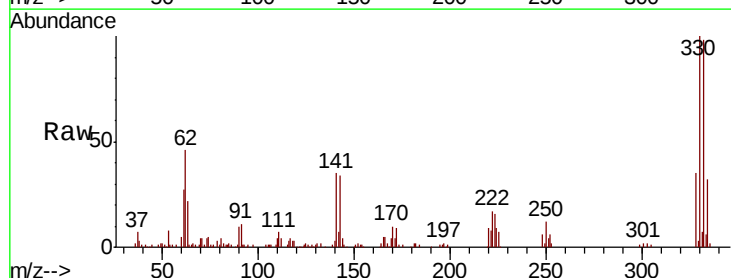


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

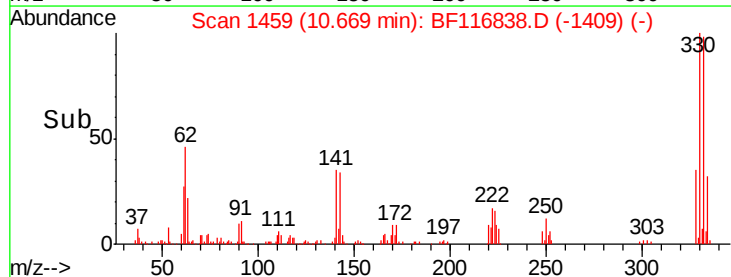
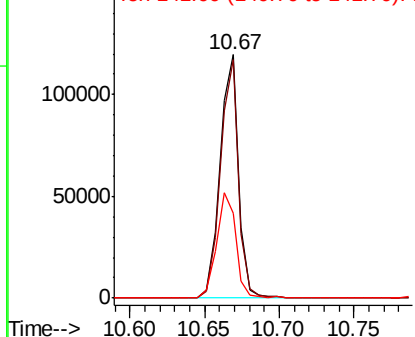


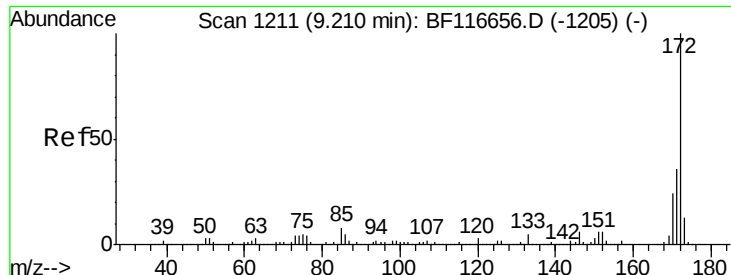
#42
2,4,6-Tribromophenol
Concen: 81.502 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116838.D
Acq: 5 Sep 2019 15:21

Tgt Ion:330 Resp: 104542
Ion Ratio Lower Upper
330 100
332 95.5 76.9 115.3
141 45.3 31.4 47.2



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

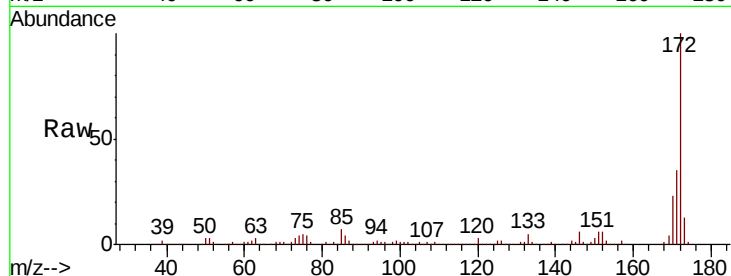




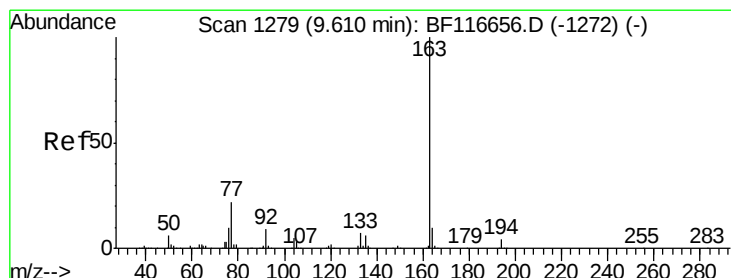
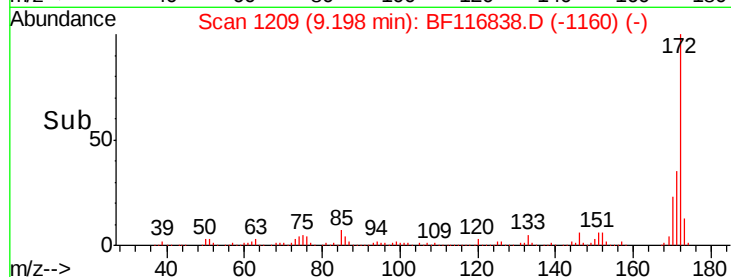
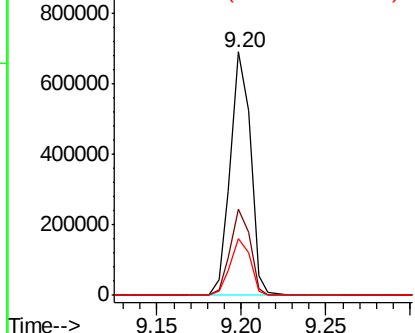
#45
 2-Fluorobiphenyl
 Concen: 50.666 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF116838.D
 Acq: 5 Sep 2019 15:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 576284
 Ion Ratio Lower Upper
 172 100
 171 35.4 27.8 41.6
 170 23.3 18.9 28.3

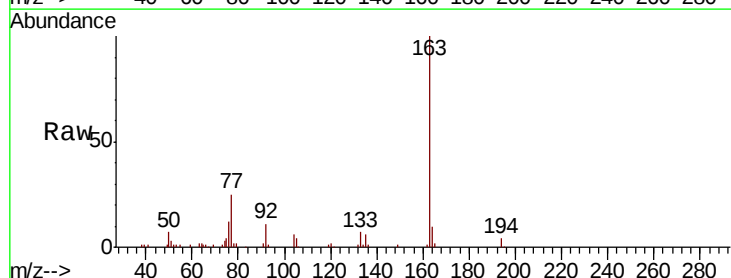


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

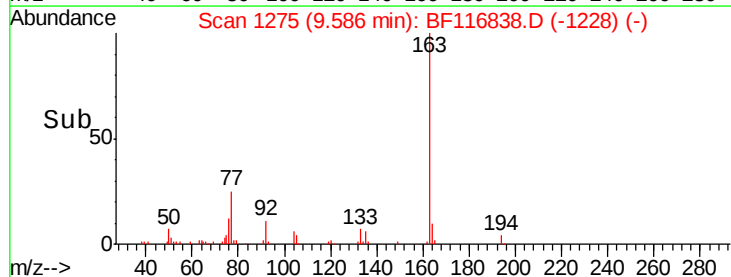
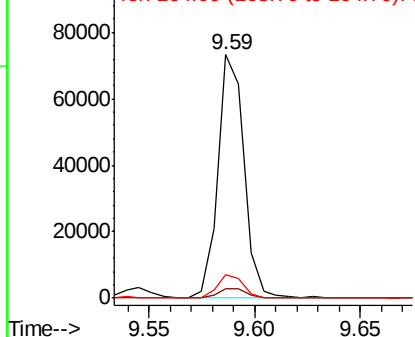


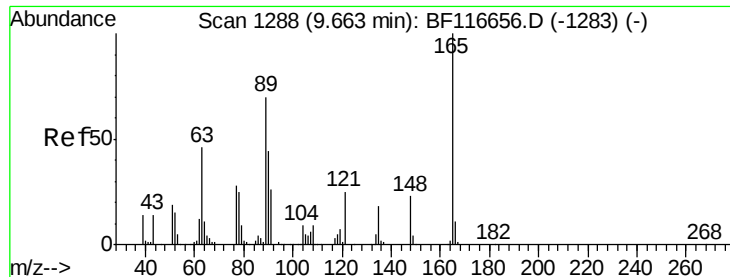
#50
 Dimethylphthalate
 Concen: 4.734 ng
 RT: 9.59 min Scan# 1275
 Delta R.T. -0.02 min
 Lab File: BF116838.D
 Acq: 5 Sep 2019 15:21

Tgt Ion:163 Resp: 62704
 Ion Ratio Lower Upper
 163 100
 194 4.0 2.8 4.2
 164 9.6 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

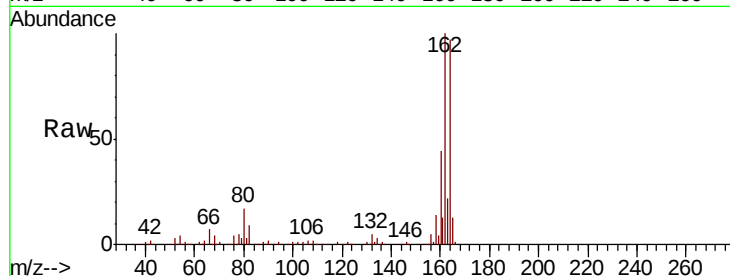




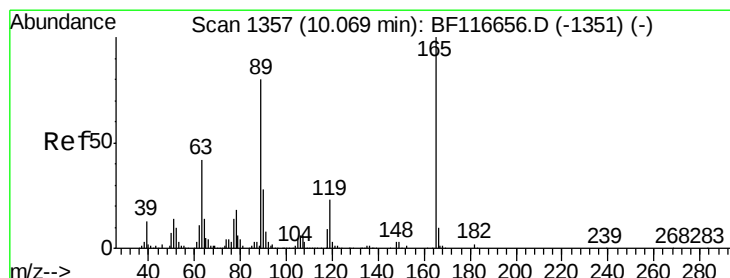
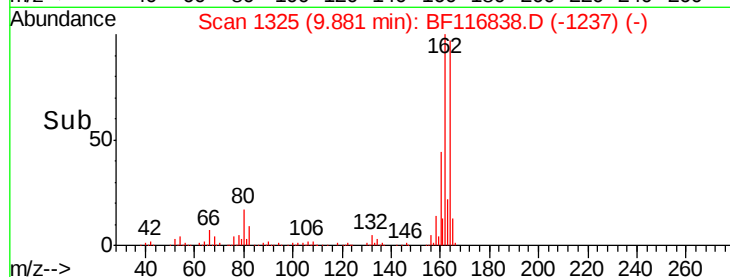
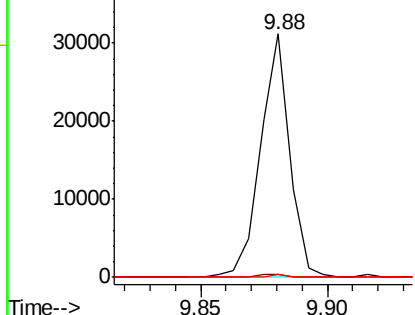
#51
2,6-Dinitrotoluene
Concen: 9.833 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.22 min
Lab File: BF116838.D
Acq: 5 Sep 2019 15:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	47.3	70.9#
89	1.3	52.5	78.7#

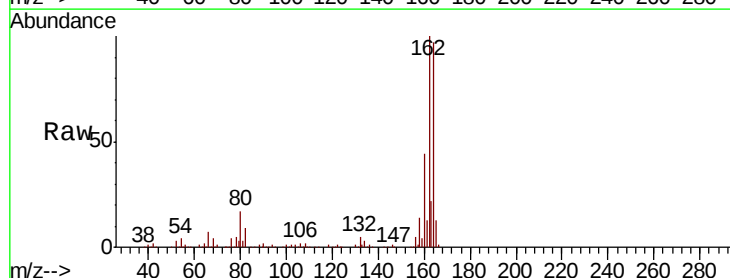


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

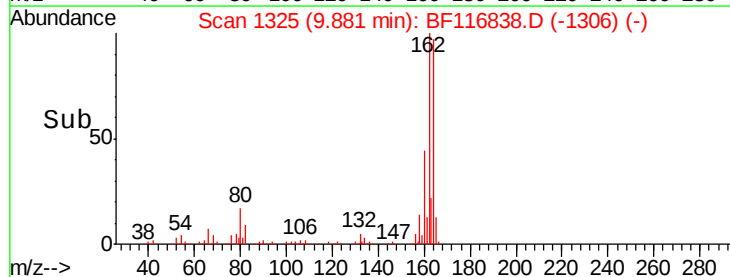
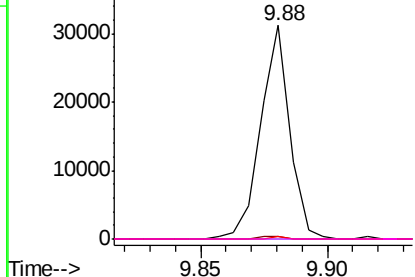


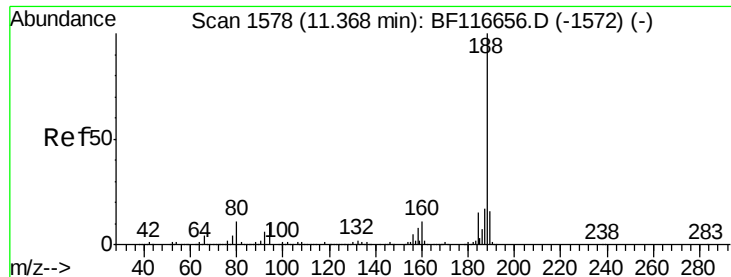
#57
2,4-Dinitrotoluene
Concen: 8.041 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.19 min
Lab File: BF116838.D
Acq: 5 Sep 2019 15:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.3	62.6	94.0#
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

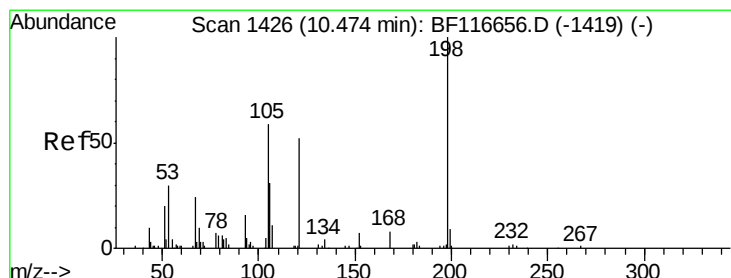
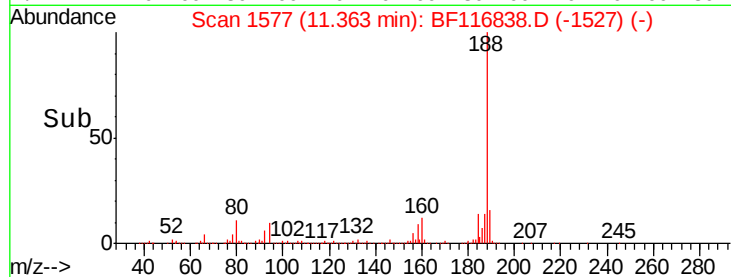
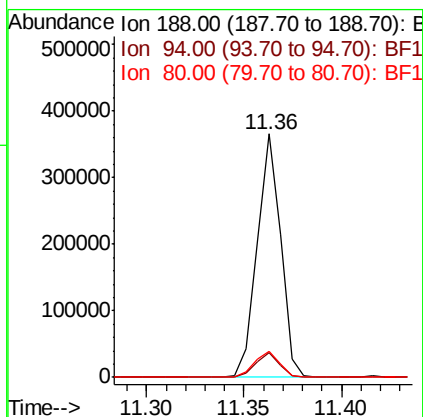
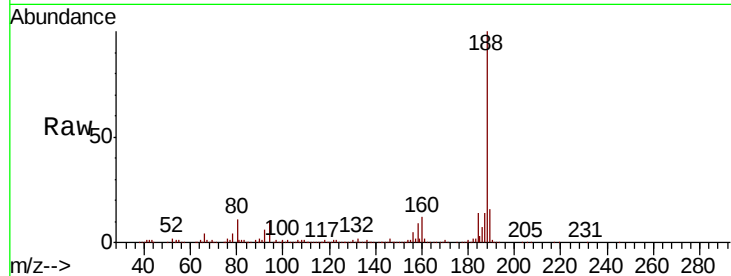




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116838.D
Acq: 5 Sep 2019 15:21

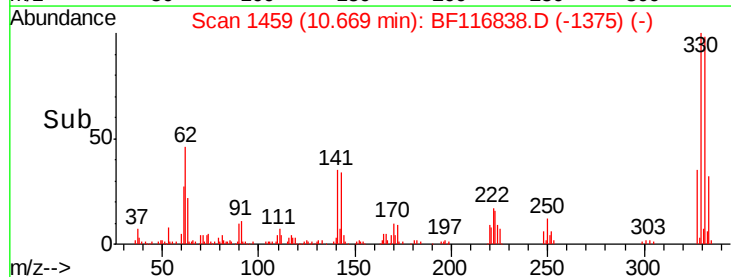
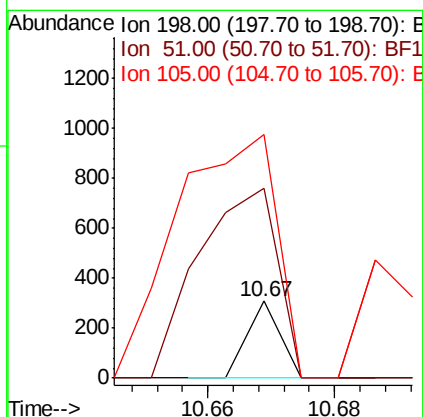
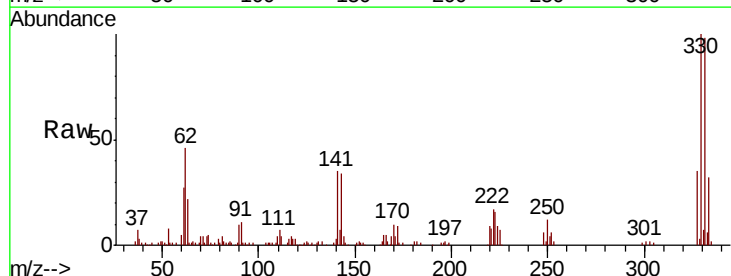
Instrument :
BNA_F
ClientSampled :

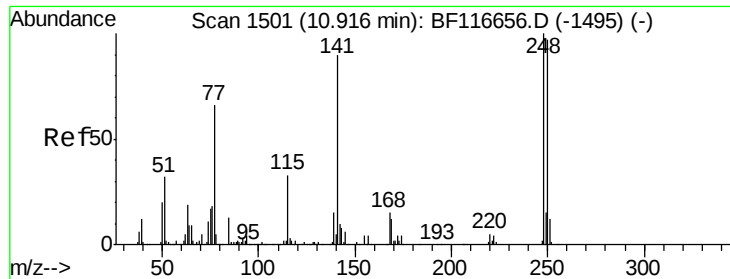
Tot Ion:188 Resp: 306101
Ion Ratio Lower Upper
188 100
94 10.0 7.3 10.9
80 10.9 8.4 12.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.533 ng
RT: 10.67 min Scan# 1459
Delta R.T. 0.19 min
Lab File: BF116838.D
Acq: 5 Sep 2019 15:21

Tgt Ion:198 Resp: 109
Ion Ratio Lower Upper
198 100
51 247.1 18.4 58.4#
105 316.9 22.9 62.9#

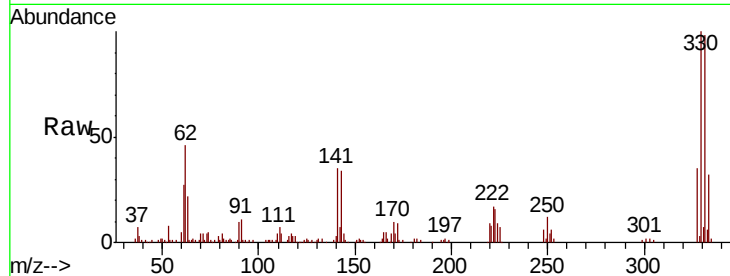




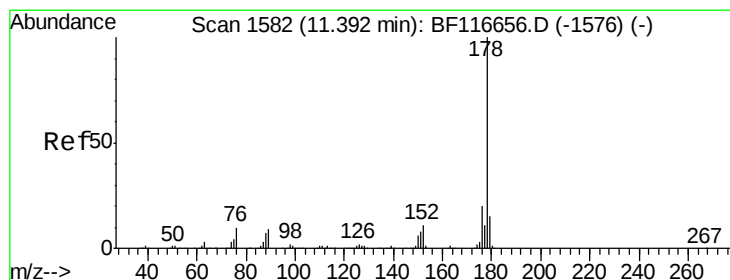
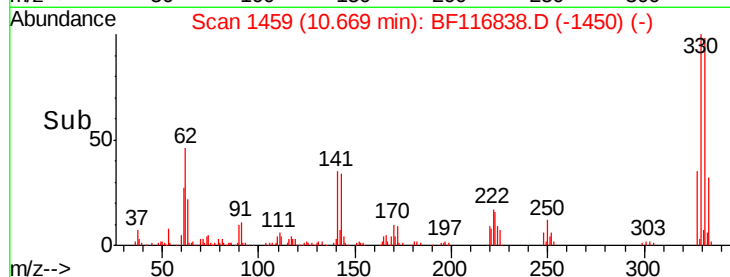
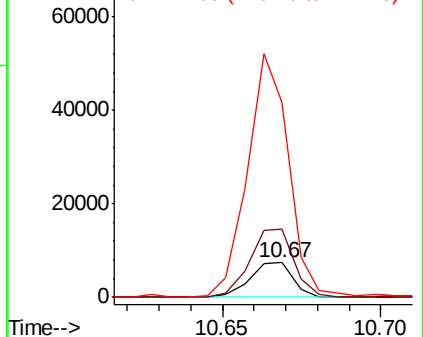
#67
4-Bromophenyl-phenylether
Concen: 2.240 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.25 min
Lab File: BF116838.D
Acq: 5 Sep 2019 15:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 6964
Ion Ratio Lower Upper
248 100
250 197.5 77.8 116.8#
141 561.7 75.9 113.9#

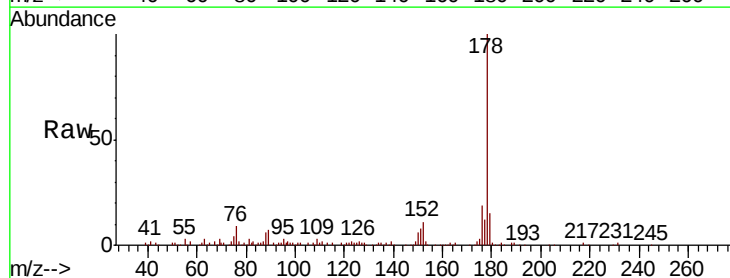


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

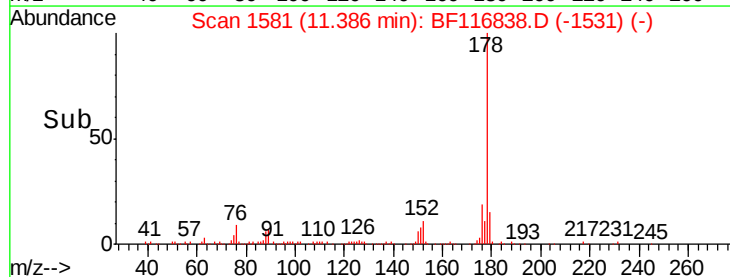
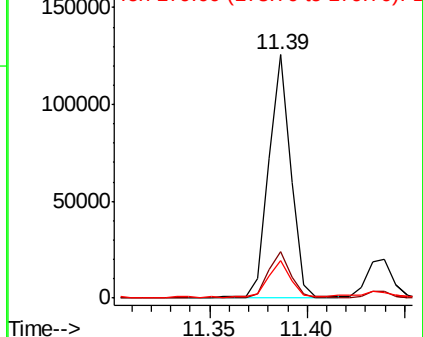


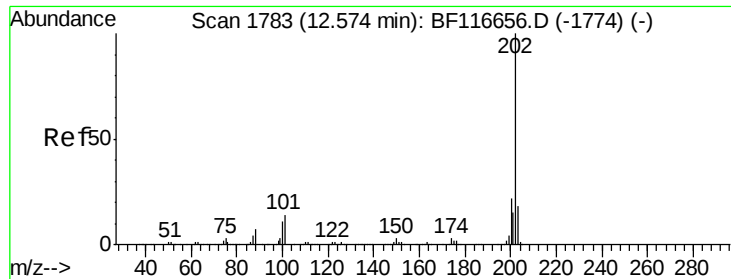
#71
Phenanthrene
Concen: 5.813 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116838.D
Acq: 5 Sep 2019 15:21

Tgt Ion:178 Resp: 99052
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.4 12.2 18.2



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





#75

Fluoranthene

Concen: 6.889 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF116838.D

Acq: 5 Sep 2019 15:21

Instrument :

BNA_F

ClientSampleId :

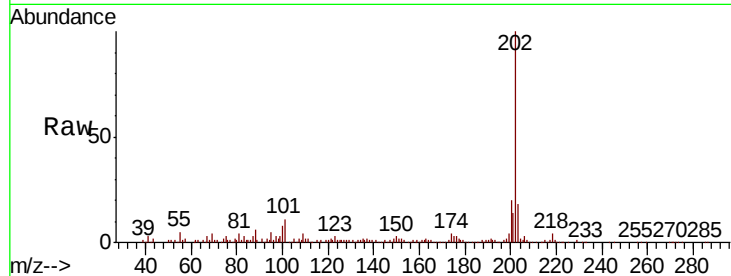
Tot Ion:202 Resp: 115365

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.3

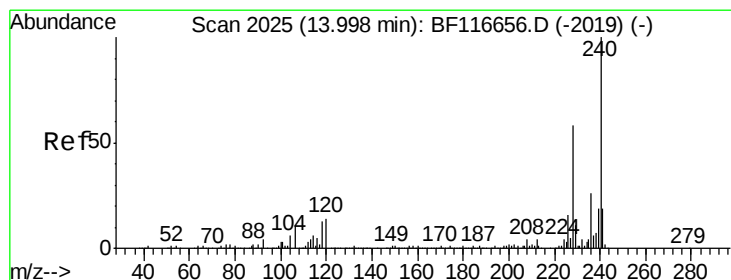
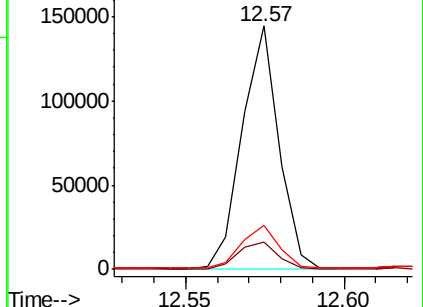
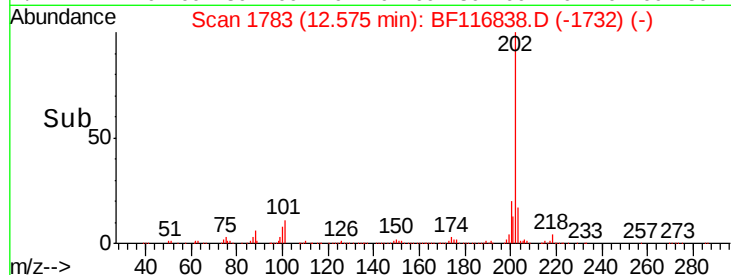
203 17.8 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF116838.D

Acq: 5 Sep 2019 15:21

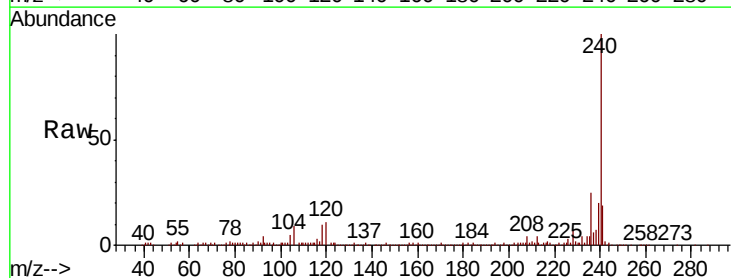
Tgt Ion:240 Resp: 232945

Ion Ratio Lower Upper

240 100

120 10.8 9.1 13.7

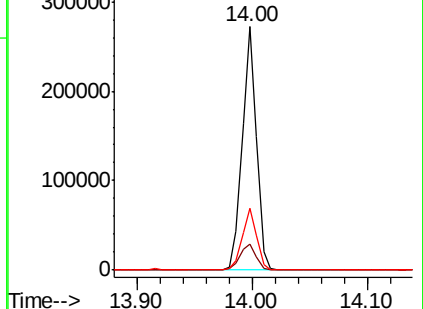
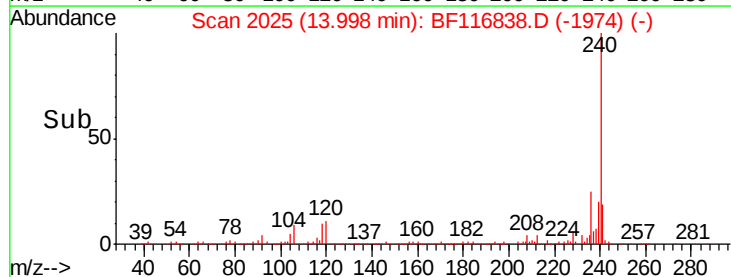
236 25.2 21.1 31.7

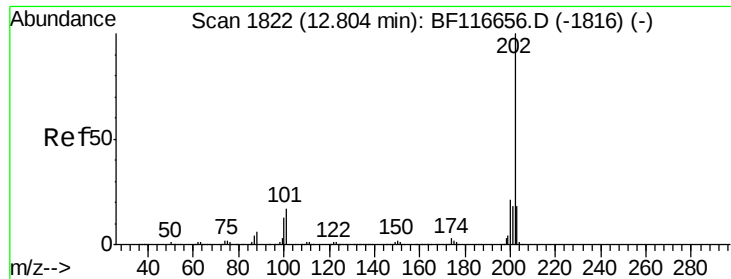


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

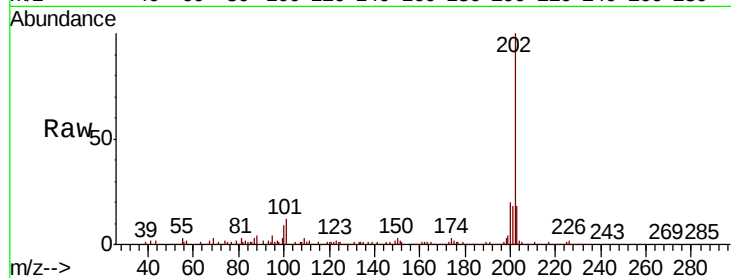




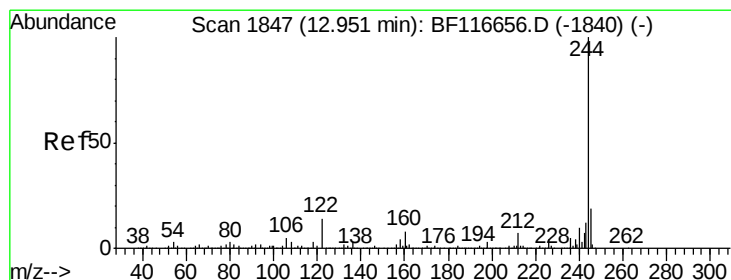
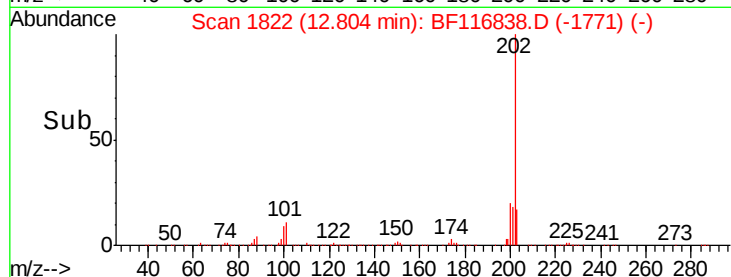
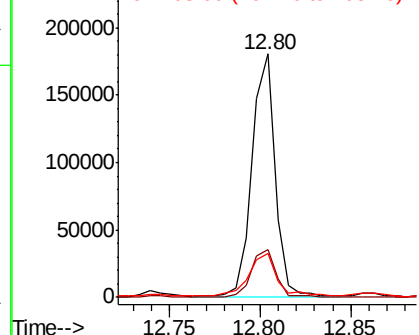
#78
Pvrene
Concen: 7.632 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF116838.D
Acq: 5 Sep 2019 15:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 158048
Ion Ratio Lower Upper
202 100
200 19.7 16.5 24.7
203 17.9 13.7 20.5

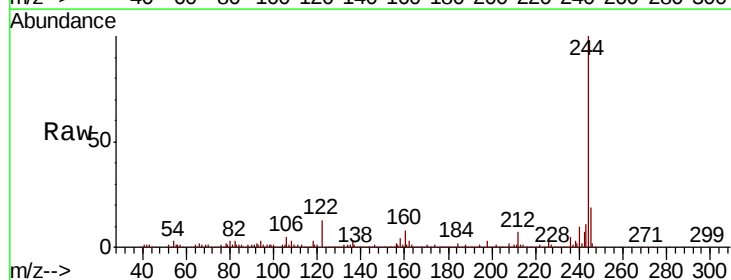


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

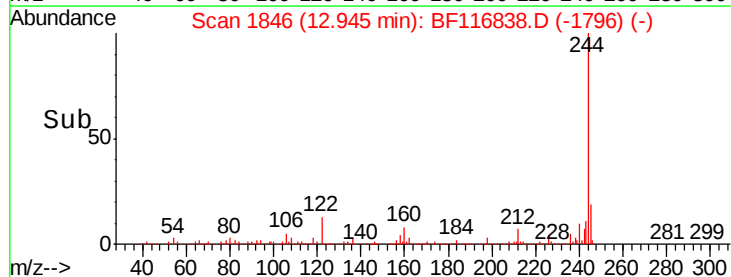
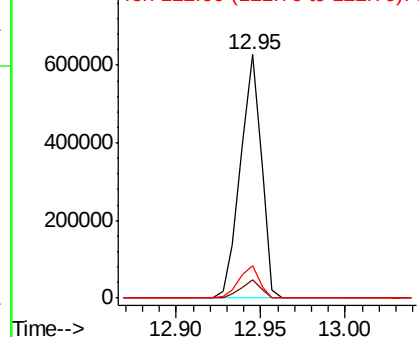


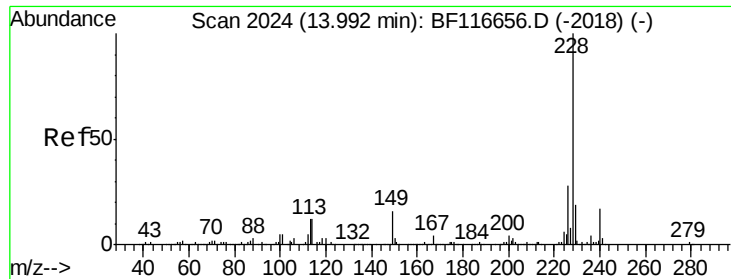
#79
Terphenyl-d14
Concen: 42.931 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116838.D
Acq: 5 Sep 2019 15:21

Tgt Ion:244 Resp: 540582
Ion Ratio Lower Upper
244 100
212 7.3 6.1 9.1
122 13.4 10.2 15.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

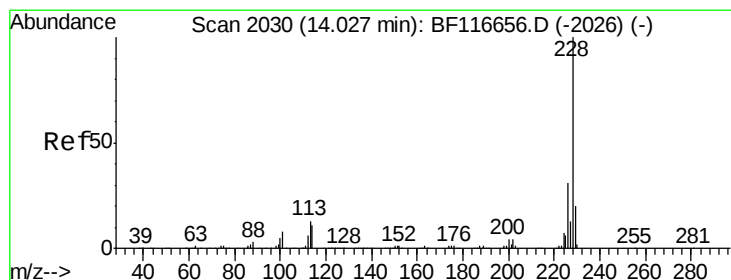
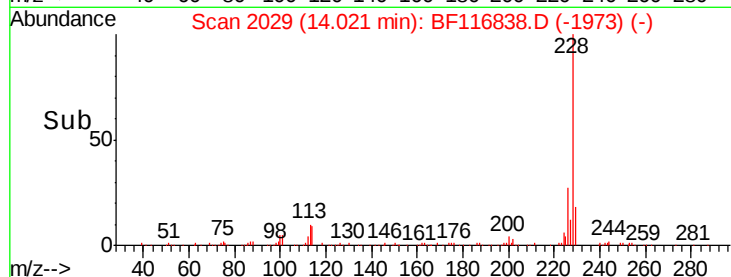
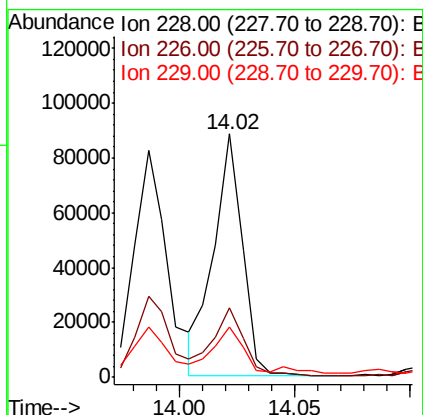
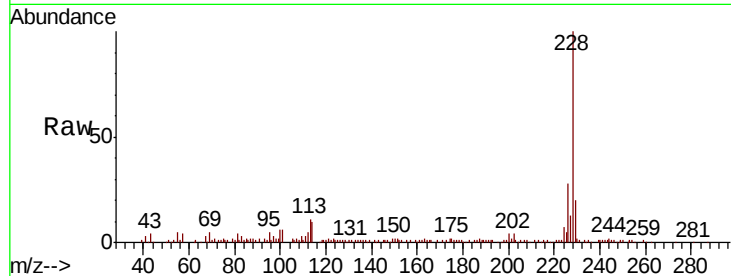




#81
Benzo(a)anthracene
Concen: 5.168 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.03 min
Lab File: BF116838.D
Acq: 5 Sep 2019 15:21

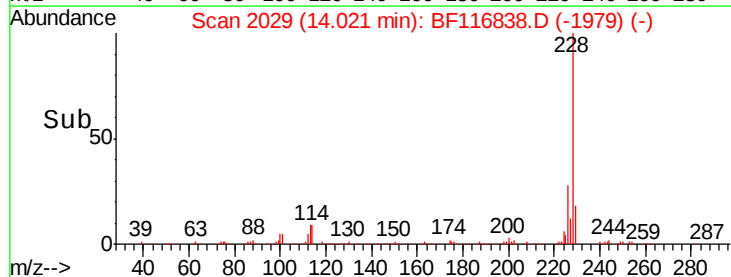
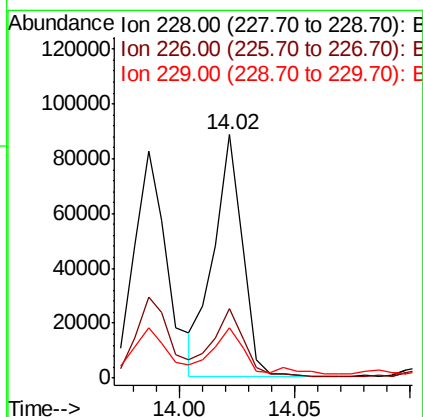
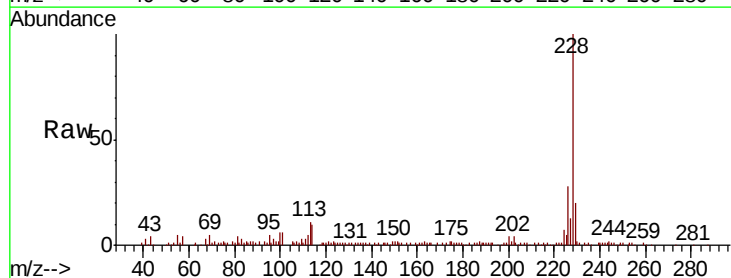
Instrument :
BNA_F
ClientSampled :

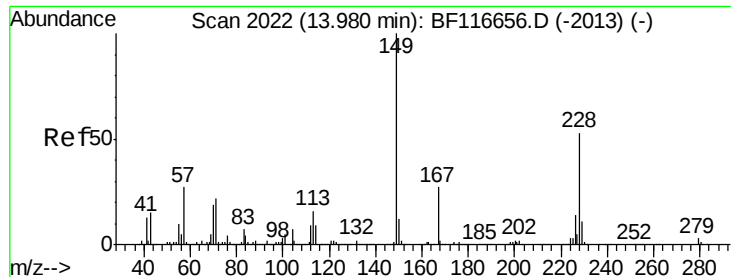
Tot Ion:228 Resp: 76194
Ion Ratio Lower Upper
228 100
226 28.4 22.0 33.0
229 20.5 16.4 24.6



#83
Chrysene
Concen: 5.016 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF116838.D
Acq: 5 Sep 2019 15:21

Tgt Ion:228 Resp: 76194
Ion Ratio Lower Upper
228 100
226 28.4 24.0 36.0
229 20.5 15.4 23.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.853 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF116838.D

Acq: 5 Sep 2019 15:21

Instrument :

BNA_F

ClientSampleId :

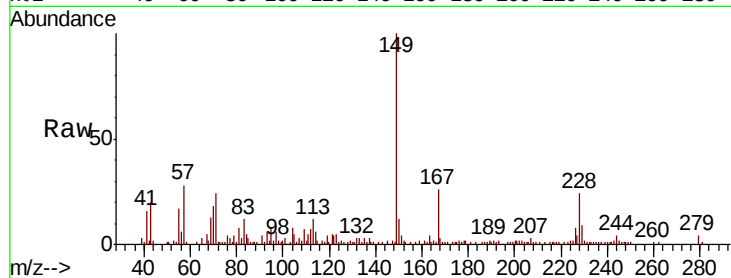
Tot Ion:149 Resp: 35464

Ion Ratio Lower Upper

149 100

167 26.4 21.0 31.4

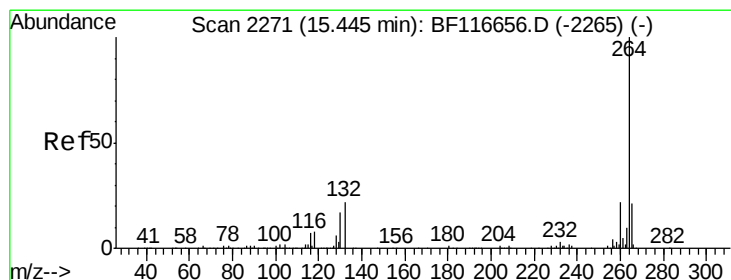
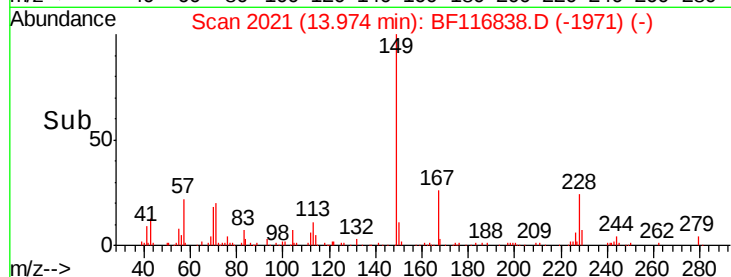
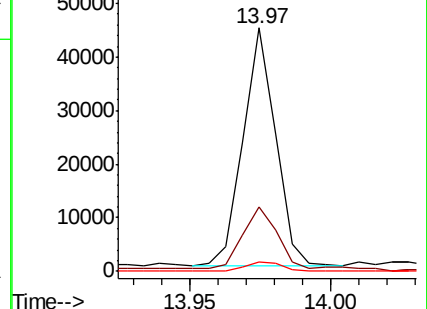
279 3.9 2.8 4.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2273

Delta R.T. 0.01 min

Lab File: BF116838.D

Acq: 5 Sep 2019 15:21

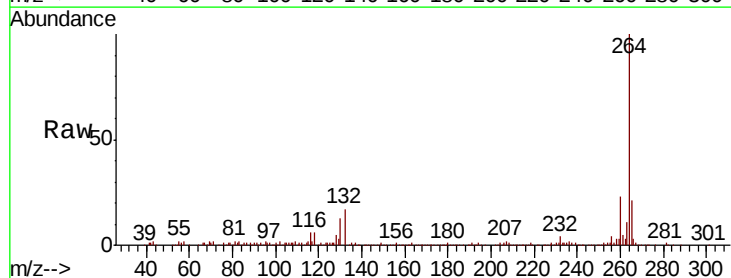
Tgt Ion:264 Resp: 217334

Ion Ratio Lower Upper

264 100

260 23.3 18.3 27.5

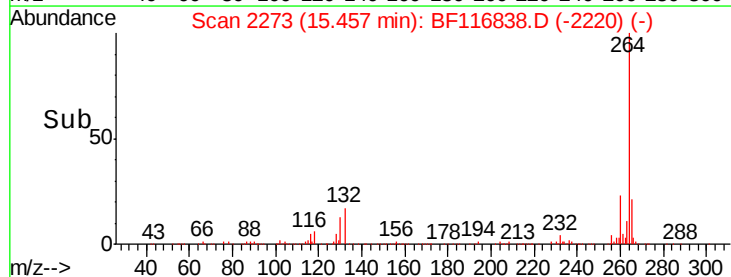
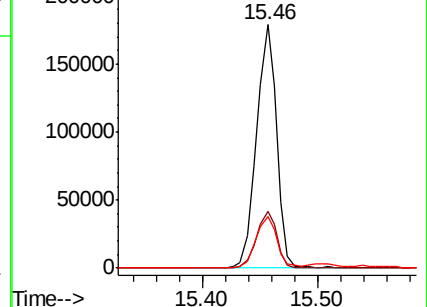
265 21.0 16.5 24.7

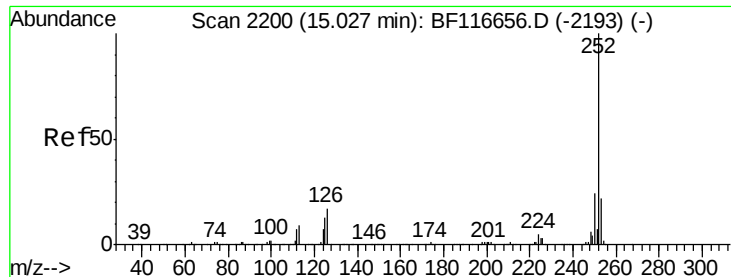


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

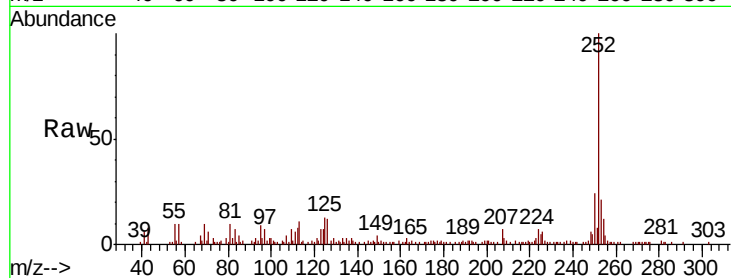




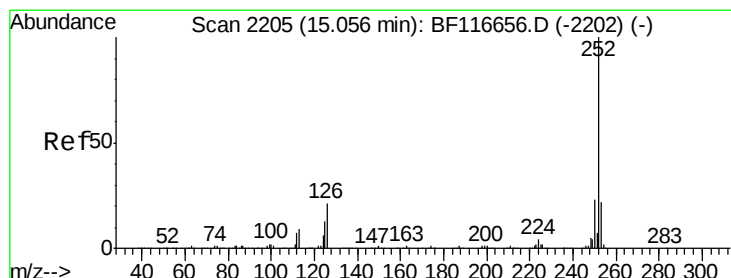
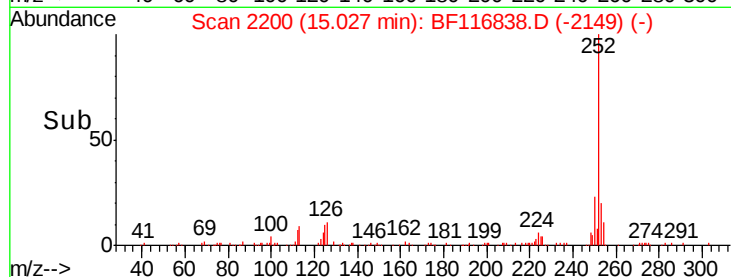
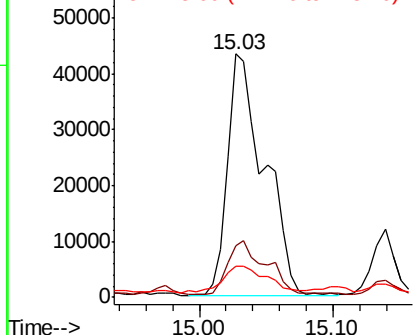
#88
Benzo(b)fluoranthene
Concen: 6.329 ng
RT: 15.03 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BF116838.D
Acq: 5 Sep 2019 15:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 83162
Ion Ratio Lower Upper
252 100
253 21.5 17.7 26.5
125 12.7 8.2 12.2#

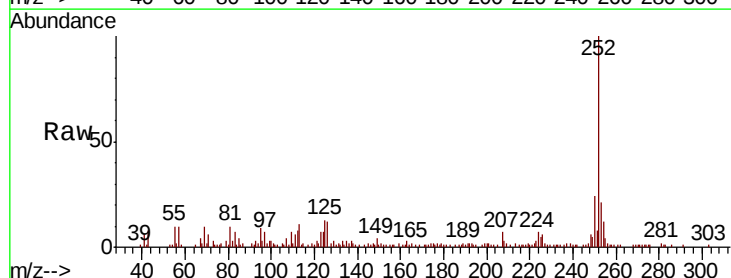


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

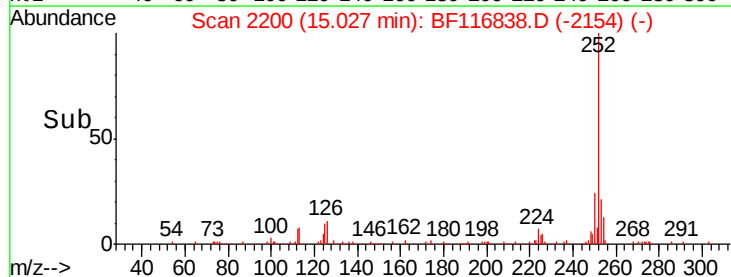
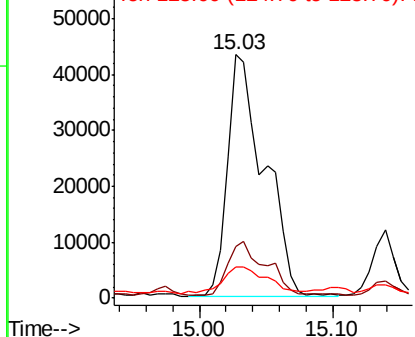


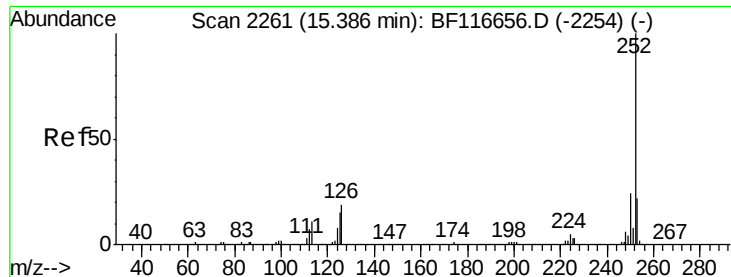
#89
Benzo(k)fluoranthene
Concen: 6.941 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.03 min
Lab File: BF116838.D
Acq: 5 Sep 2019 15:21

Tgt Ion:252 Resp: 83162
Ion Ratio Lower Upper
252 100
253 21.5 17.7 26.5
125 12.7 8.6 13.0



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

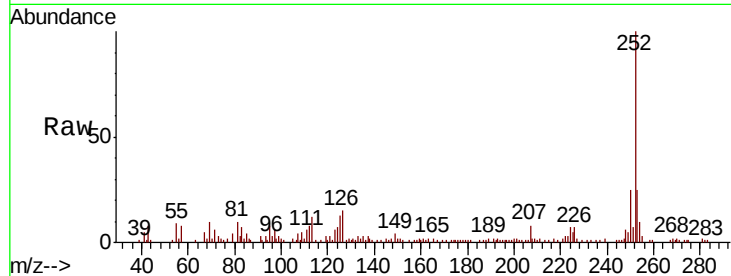




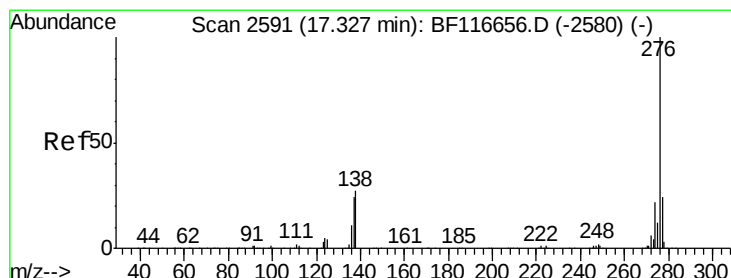
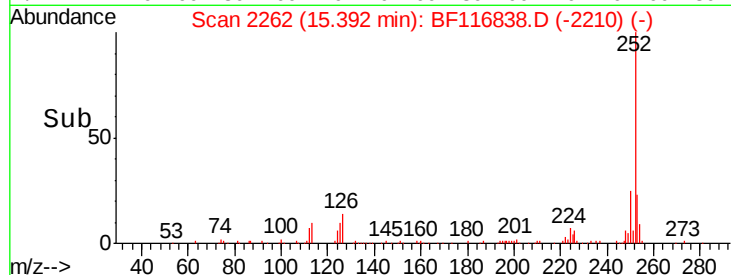
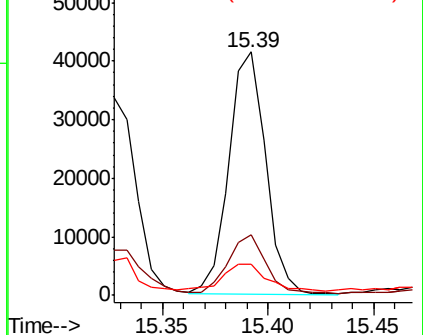
#90
Benzo(a)pyrene
Concen: 4.381 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF116838.D
Acq: 5 Sep 2019 15:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 50086
Ion Ratio Lower Upper
252 100
253 24.7 18.1 27.1
125 13.0 9.8 14.8

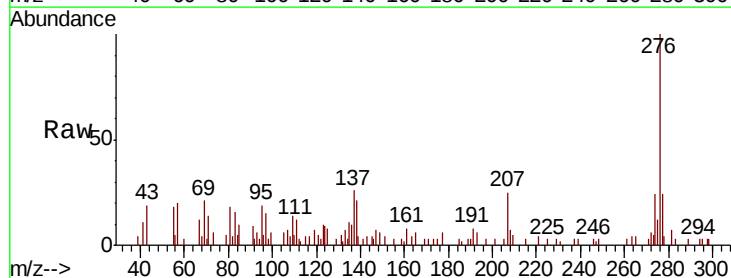


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.582 ng
RT: 17.34 min Scan# 2593
Delta R.T. 0.01 min
Lab File: BF116838.D
Acq: 5 Sep 2019 15:21

Tgt Ion:276 Resp: 26347
Ion Ratio Lower Upper
276 100
277 24.5 18.5 27.7
138 20.8 16.2 24.2



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

