

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
 Data File : BF116826.D
 Acq On : 4 Sep 2019 20:03
 Operator : HP/JU
 Sample : K4668-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 05 02:09:23 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	69134	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	271189	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	130902	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	186254	20.00	ng	0.00
76) Chrysene-d12	14.00	240	141174	20.00	ng	0.00
87) Perylene-d12	15.46	264	107263	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	401296	94.04	ng	0.00
7) Phenol-d6	6.48	99	544049	97.09	ng	0.00
23) Nitrobenzene-d5	7.40	82	330184	69.51	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	89805	102.62	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	583652	75.21	ng	0.00
79) Terphenyl-d14	12.95	244	449820	58.94	ng	0.00

Target Compounds

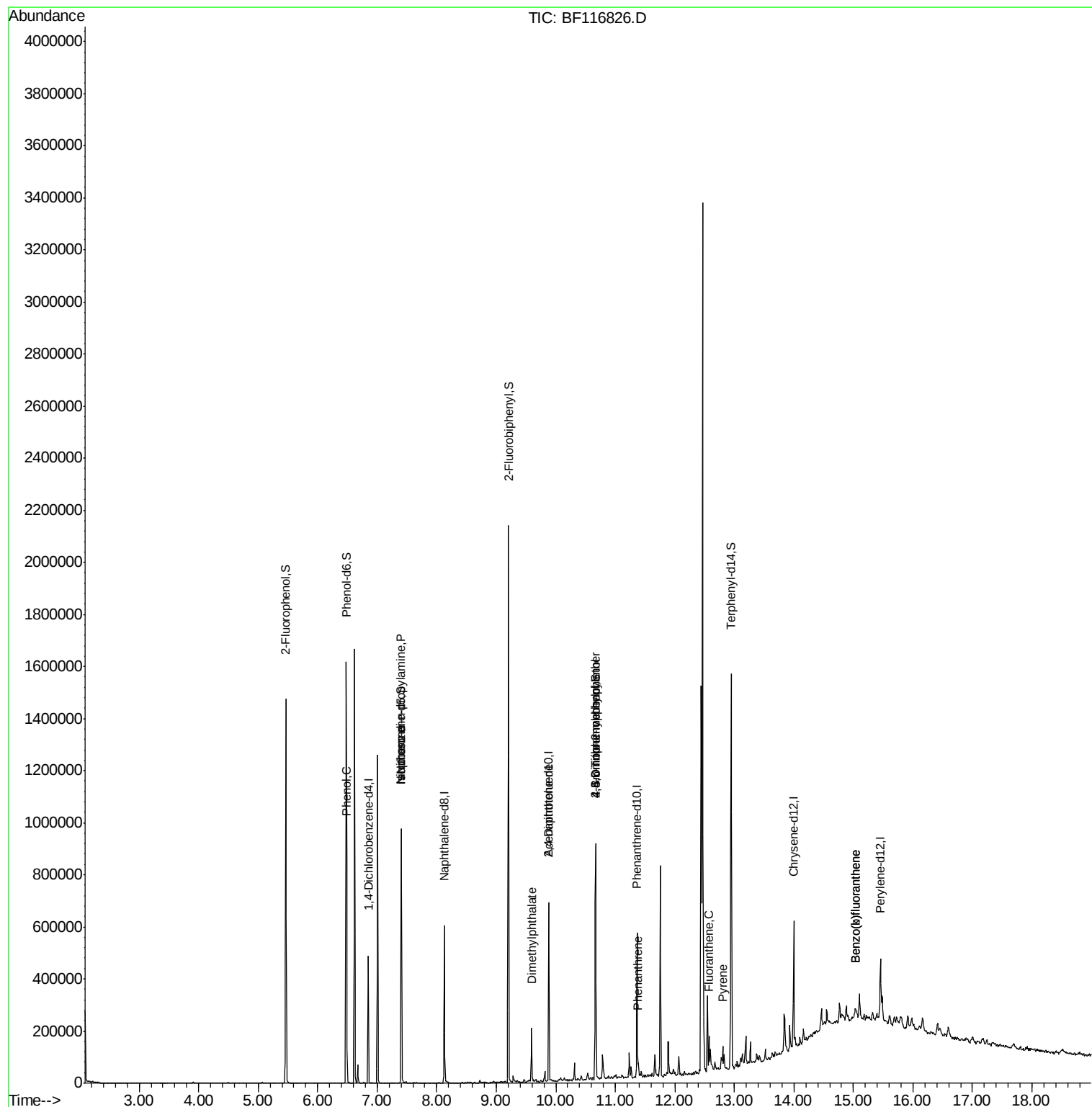
						Qvalue
10) Phenol	6.49	94	13451	2.168	ng	94
19) n-Nitroso-di-n-propylamine	7.40	70	42803	11.601	ng	# 72
25) Isophorone	7.40	82	330178	34.301	ng	# 66
50) Dimethylphthalate	9.59	163	69769	7.720	ng	98
57) 2,4-Dinitrotoluene	9.88	165	16736	7.938	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.67	198	171	7.662	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	6360	3.361	ng	# 1
71) Phenanthrene	11.39	178	27291	2.632	ng	99
75) Fluoranthene	12.57	202	39041	3.832	ng	99
78) Pyrene	12.80	202	34484	2.748	ng	97
88) Benzo(b)fluoranthene	15.03	252	19451	2.999	ng	# 60
89) Benzo(k)fluoranthene	15.03	252	19451	3.290	ng	# 60

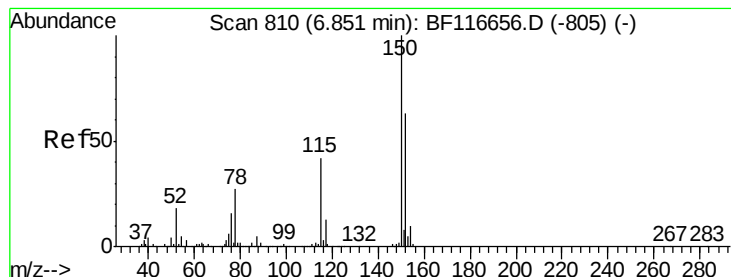
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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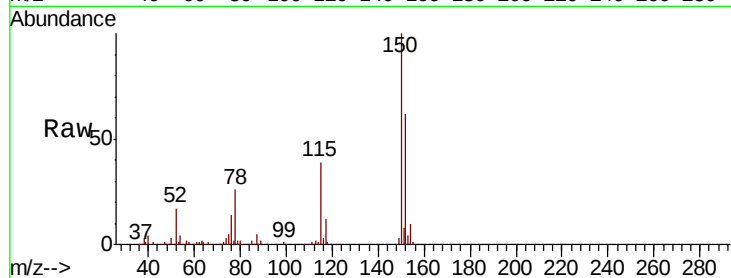


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF116826.D
Acq: 4 Sep 2019 20:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.0	124.4	186.6
115	62.7	49.9	74.9

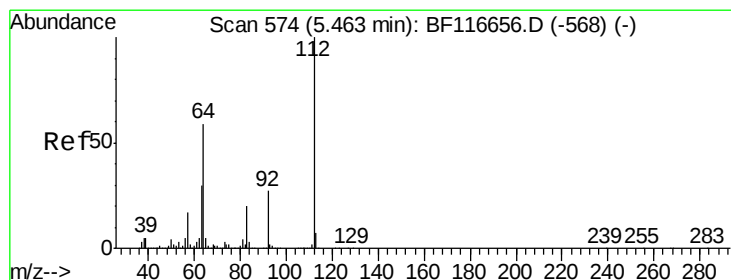
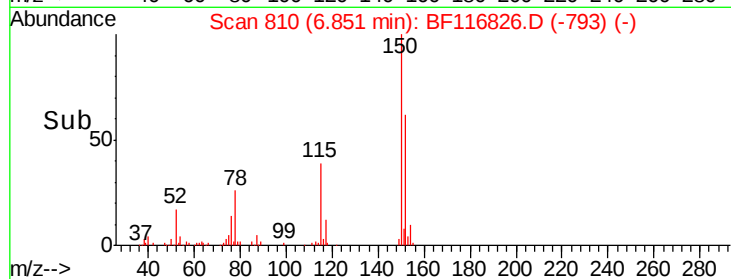
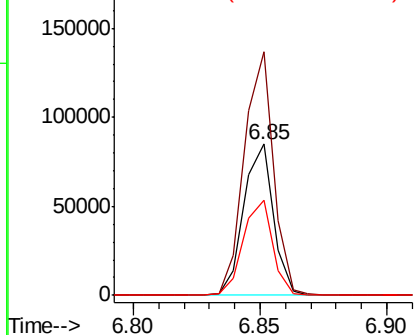


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

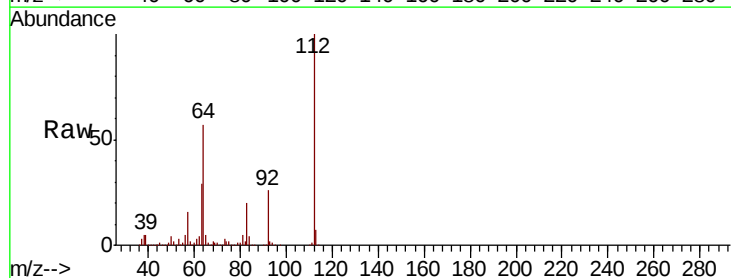
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 94.038 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF116826.D
Acq: 4 Sep 2019 20:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	47.1	70.7
63	29.1	24.9	37.3

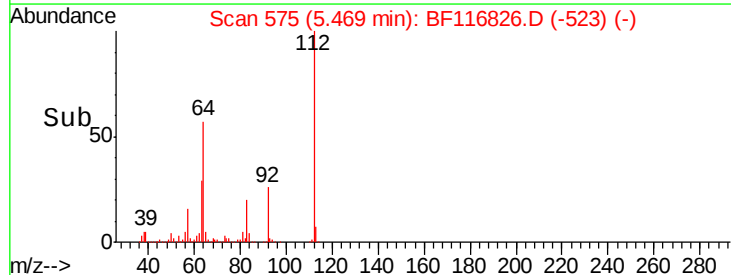
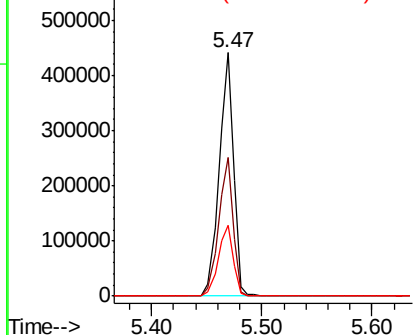


Abundance

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: 97.090 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116826.D

Acq: 4 Sep 2019 20:03

Instrument :

BNA_F

ClientSampleId :

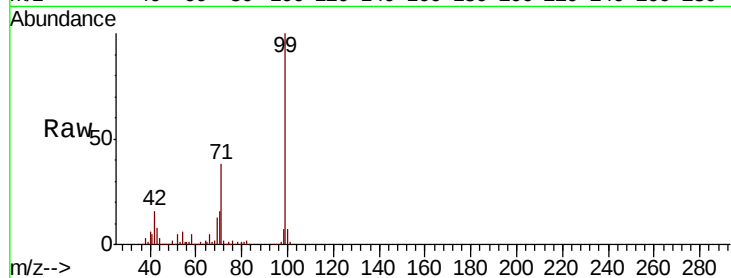
Tot Ion: 99 Resp: 544049

Ion Ratio Lower Upper

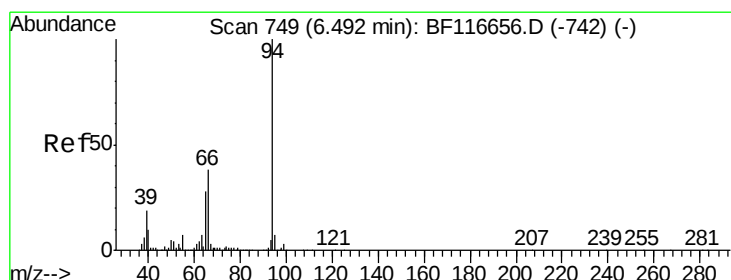
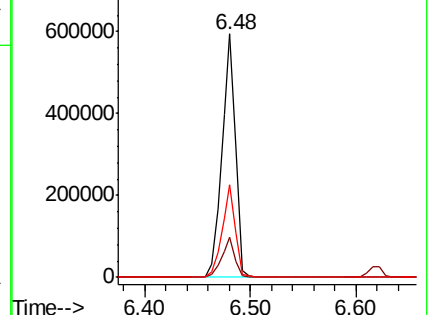
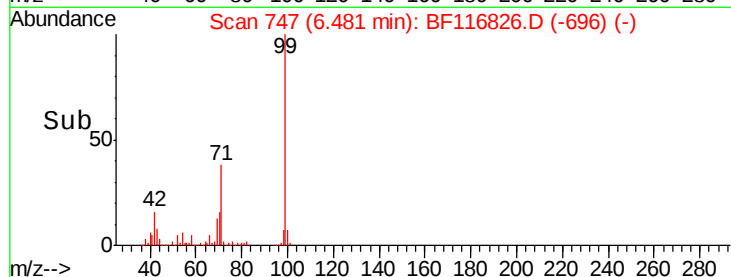
99 100

42 16.3 13.7 20.5

71 38.1 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: 2.168 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF116826.D

Acq: 4 Sep 2019 20:03

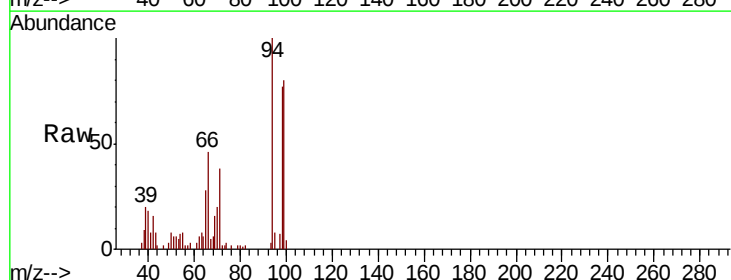
Tgt Ion: 94 Resp: 13451

Ion Ratio Lower Upper

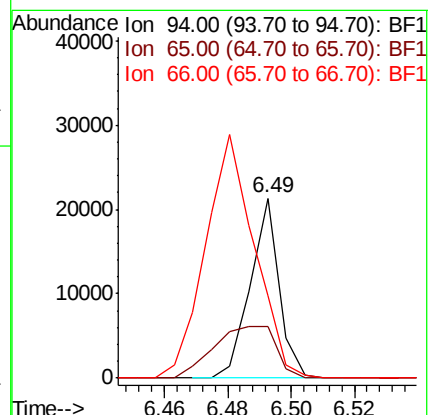
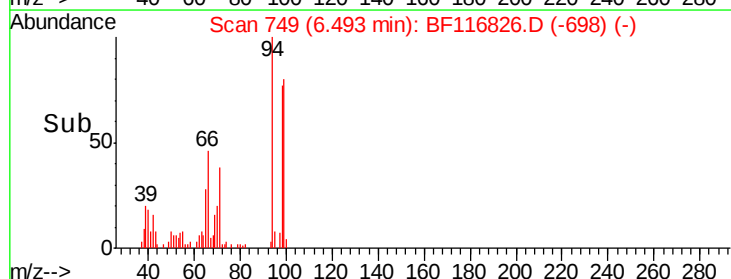
94 100

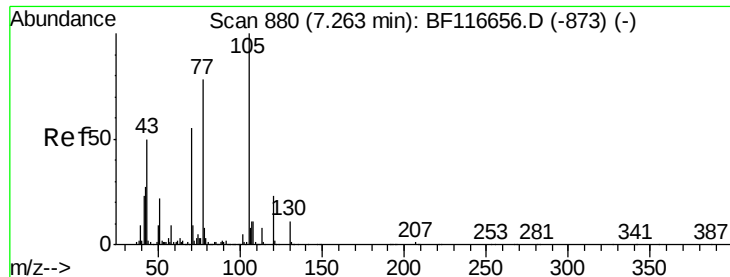
65 28.4 10.8 50.8

66 45.8 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

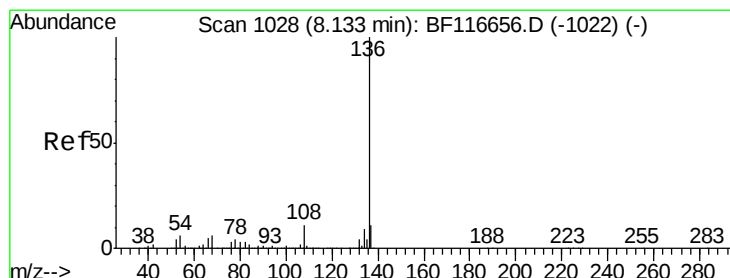
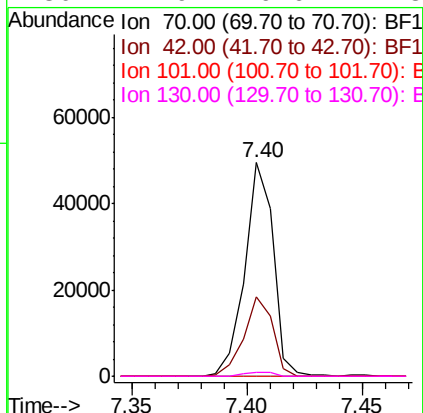
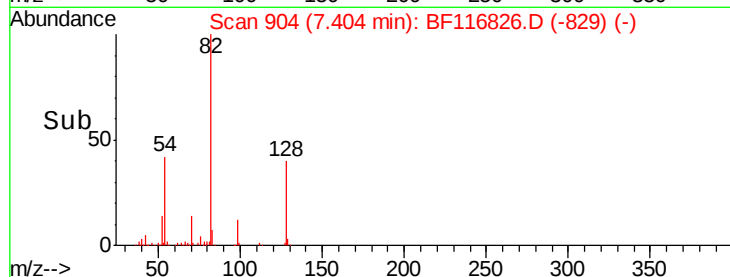
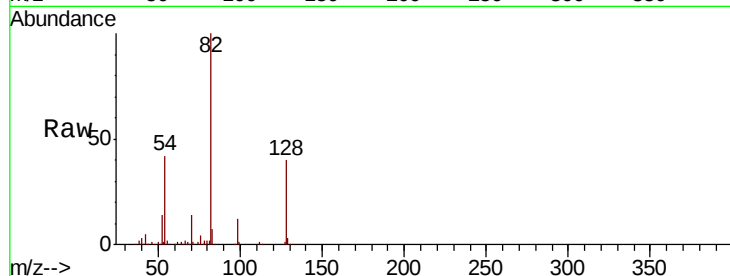




#19
n-Nitroso-di-n-propylamine
Concen: 11.601 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116826.D
Acq: 4 Sep 2019 20:03

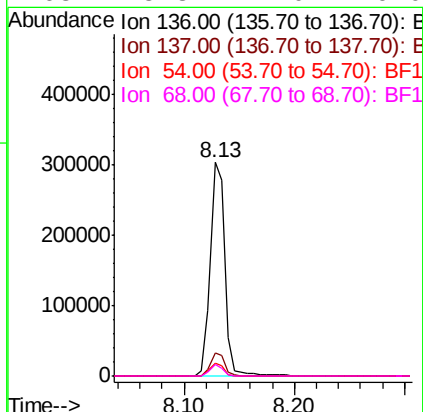
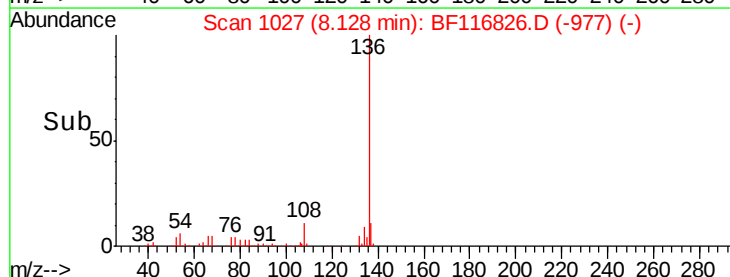
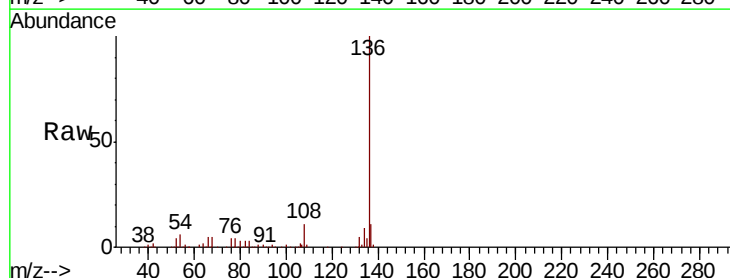
Instrument :
BNA_F
ClientSampleId :

Tot Ion:	70	Resp:	42803
Ion	Ratio	Lower	Upper
70	100		
42	36.9	43.5	65.3#
101	0.0	7.8	11.6#
130	1.9	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116826.D
Acq: 4 Sep 2019 20:03

Tgt Ion:	136	Resp:	271189
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.2	4.8	7.2
68	5.3	4.0	6.0

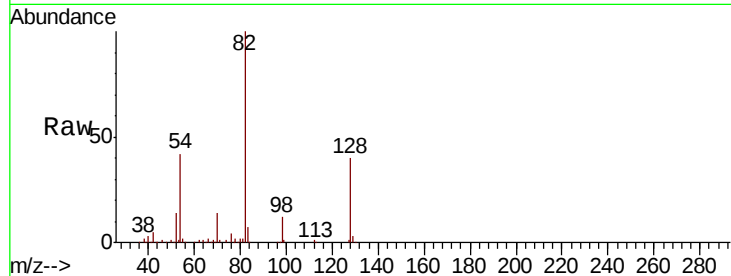




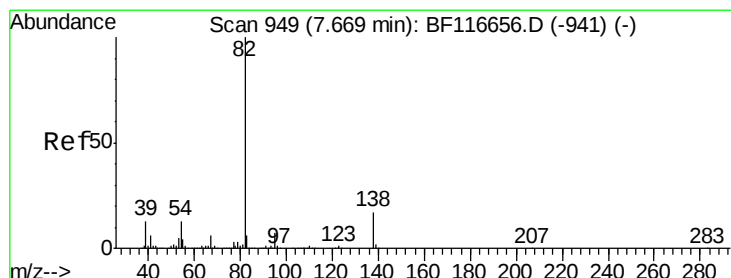
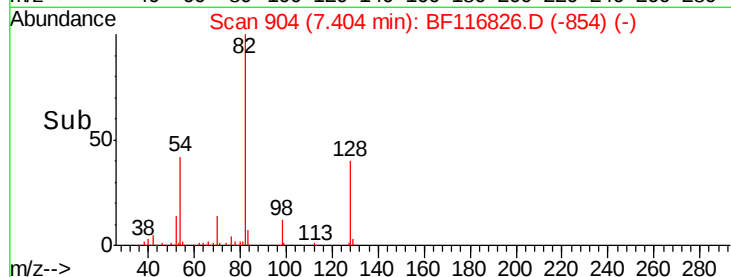
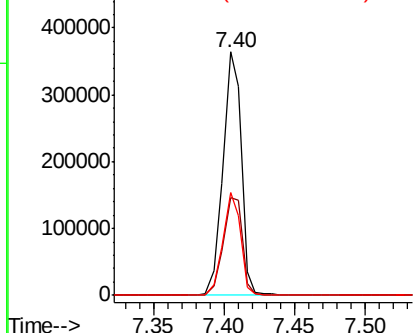
#23
Nitrobenzene-d5
Concen: 69.506 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116826.D
Acq: 4 Sep 2019 20:03

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	330184
Ion Ratio	Lower	Upper	
82	100		
128	40.3	32.8	49.2
54	42.1	36.9	55.3

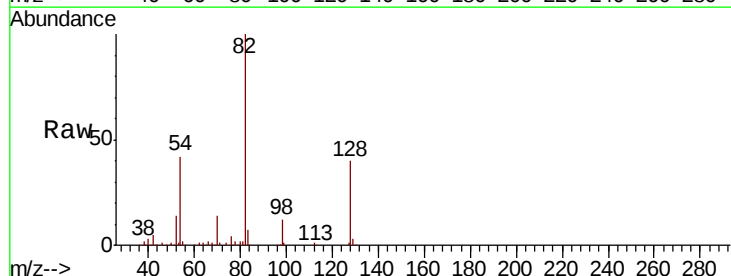


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

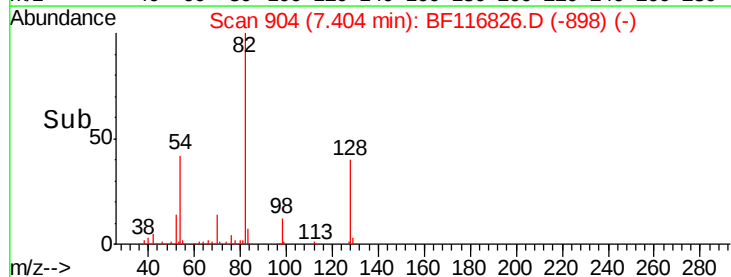
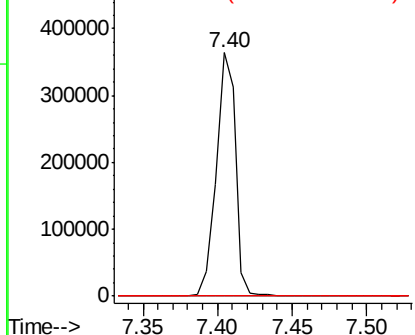


#25
Isophorone
Concen: 34.301 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.26 min
Lab File: BF116826.D
Acq: 4 Sep 2019 20:03

Tgt Ion	82	Resp	330178
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#



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

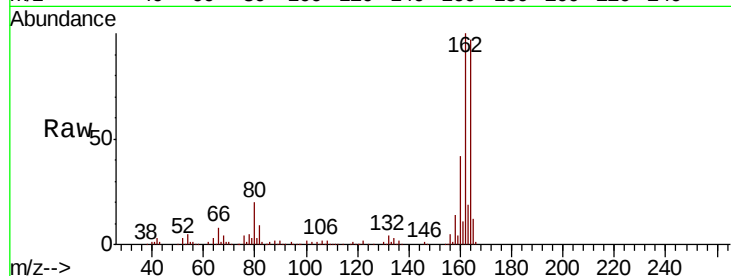




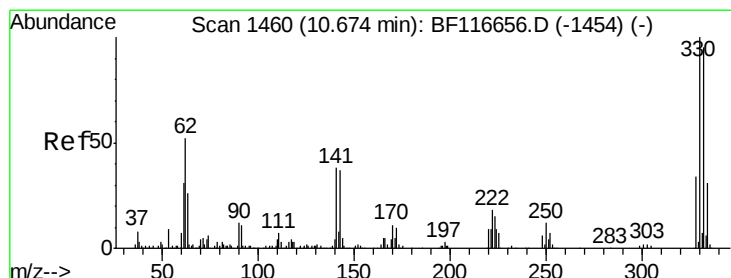
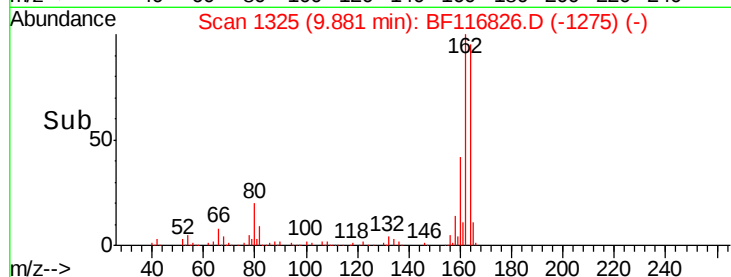
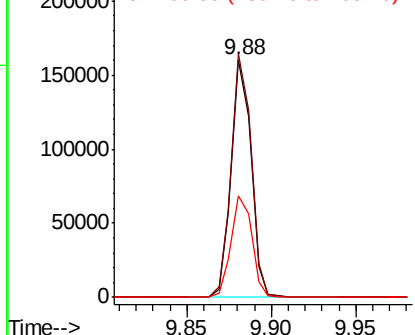
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116826.D
Acq: 4 Sep 2019 20:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 130902
Ion Ratio Lower Upper
164 100
162 102.6 81.4 122.0
160 42.7 35.4 53.2

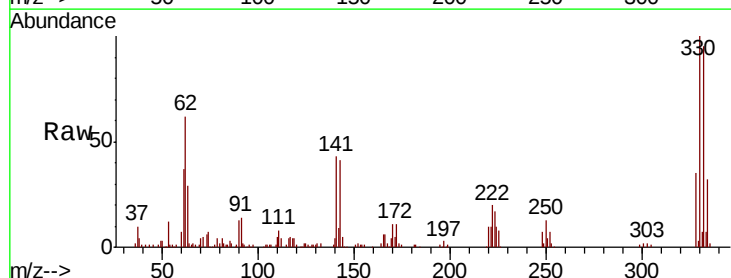


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

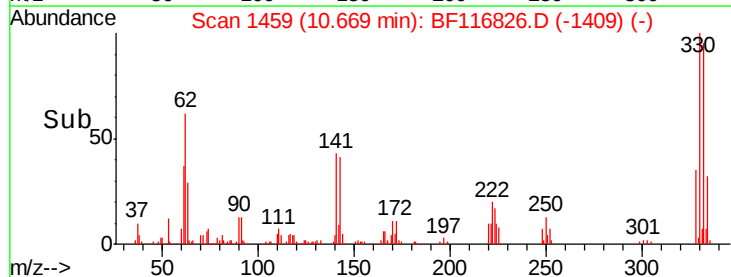
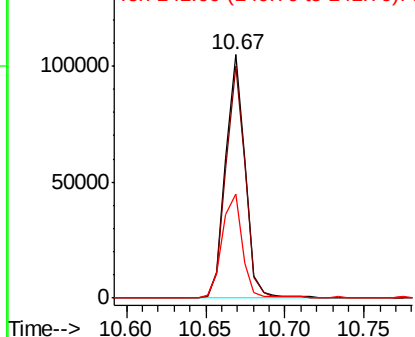


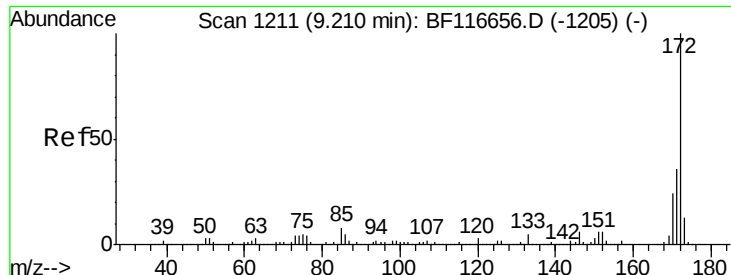
#42
2,4,6-Tribromophenol
Concen: 102.622 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116826.D
Acq: 4 Sep 2019 20:03

Tgt Ion:330 Resp: 89805
Ion Ratio Lower Upper
330 100
332 95.2 76.9 115.3
141 44.7 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

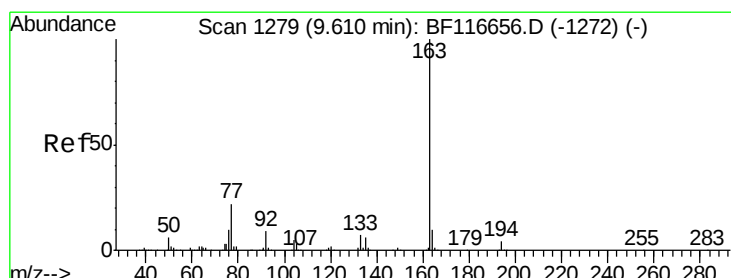
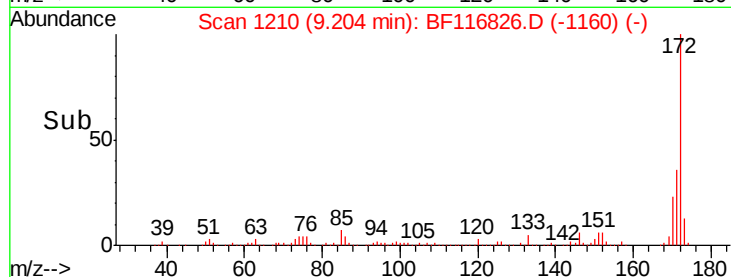
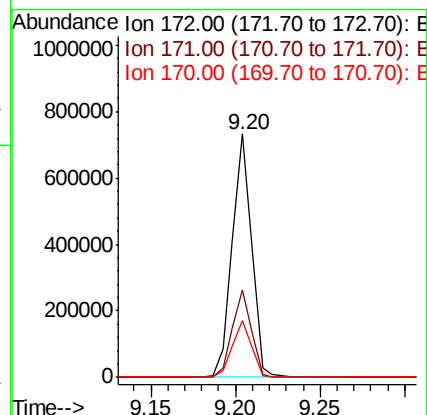
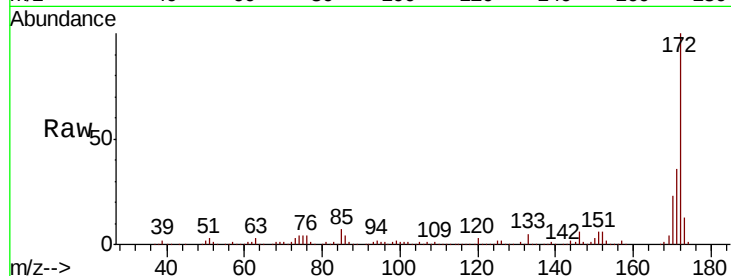




#45
 2-Fluorobiphenyl
 Concen: 75.213 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: BF116826.D
 Acq: 4 Sep 2019 20:03

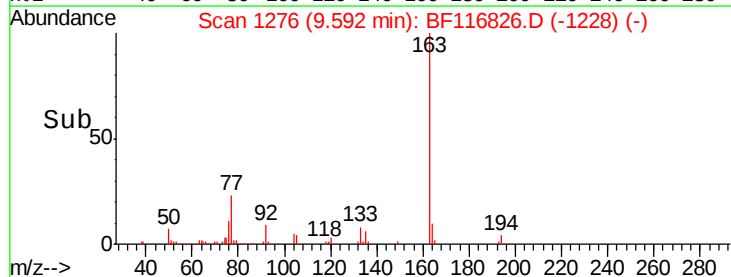
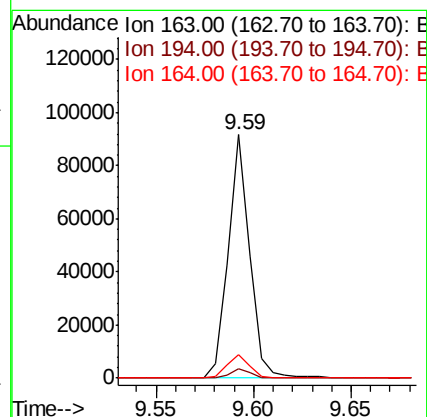
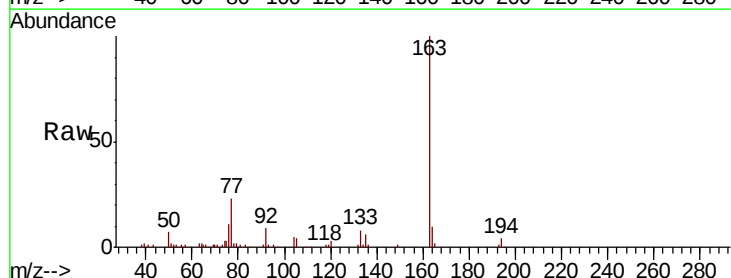
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	27.8	41.6
170	23.4	18.9	28.3



#50
 Dimethylphthalate
 Concen: 7.720 ng
 RT: 9.59 min Scan# 1276
 Delta R.T. -0.02 min
 Lab File: BF116826.D
 Acq: 4 Sep 2019 20:03

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.8	4.2
164	9.6	8.6	12.8

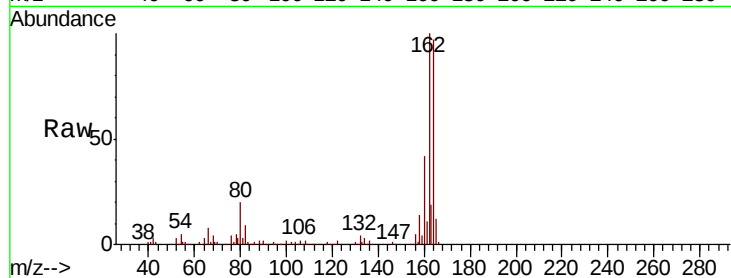




#57
 2,4-Dinitrotoluene
 Concen: 7.938 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF116826.D
 Acq: 4 Sep 2019 20:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.8	62.6	94.0#
182	0.0	2.1	3.1#



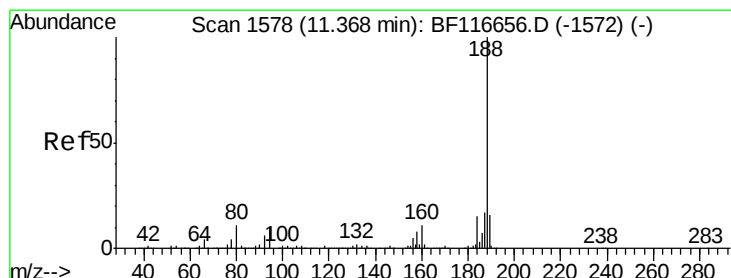
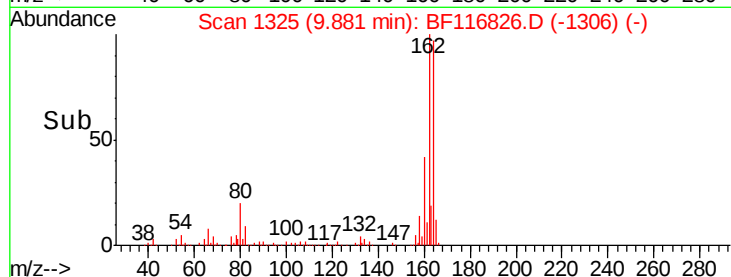
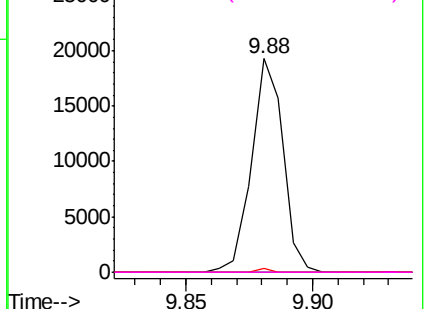
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

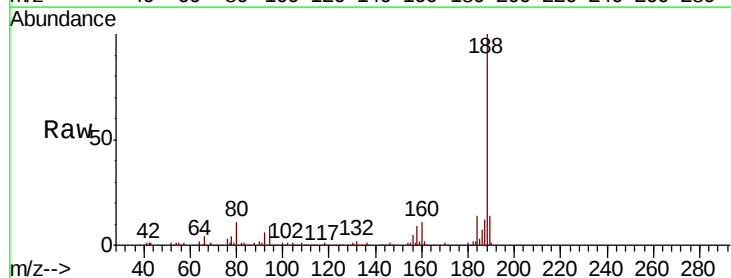
Ion 89.00 (88.70 to 89.70): BF1

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: BF116826.D
 Acq: 4 Sep 2019 20:03

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.3	10.9
80	11.4	8.4	12.6

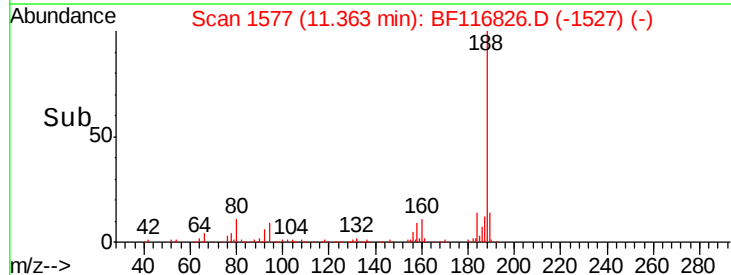
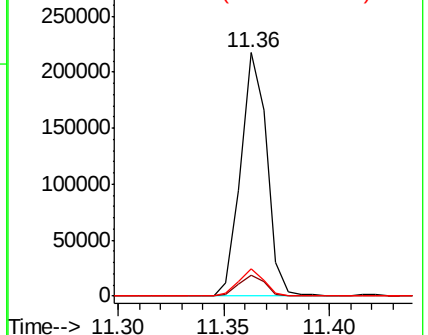


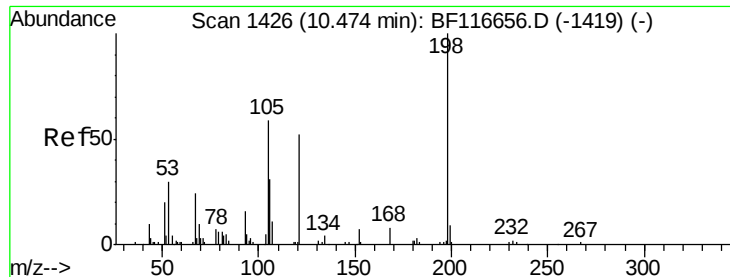
Abundance

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

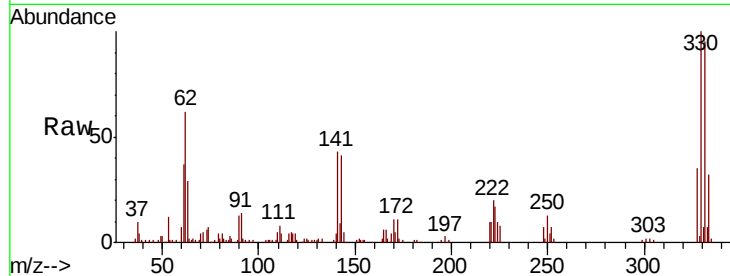




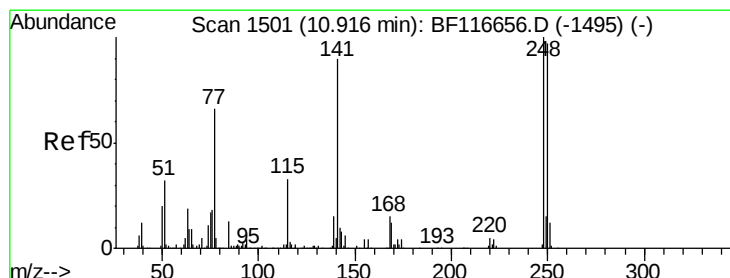
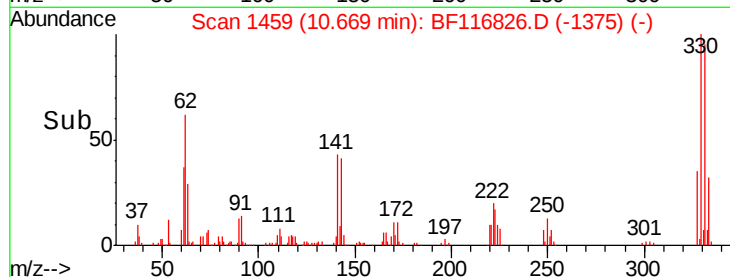
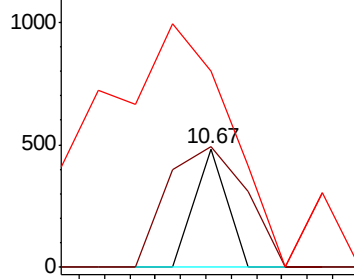
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.662 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. 0.19 min
 Lab File: BF116826.D
 Acq: 4 Sep 2019 20:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 171
 Ion Ratio Lower Upper
 198 100
 51 101.2 18.4 58.4#
 105 165.7 22.9 62.9#

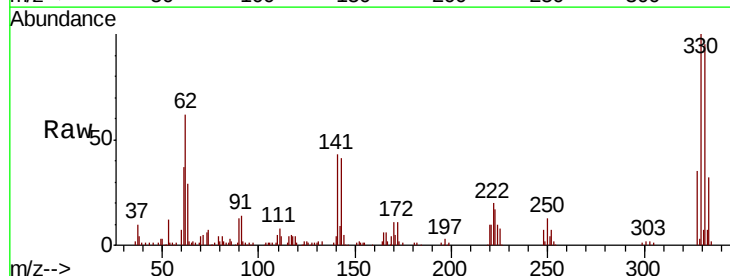


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

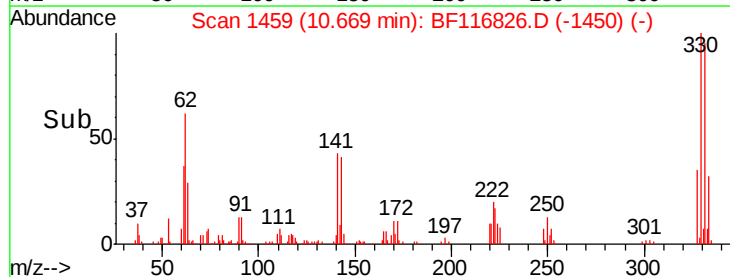
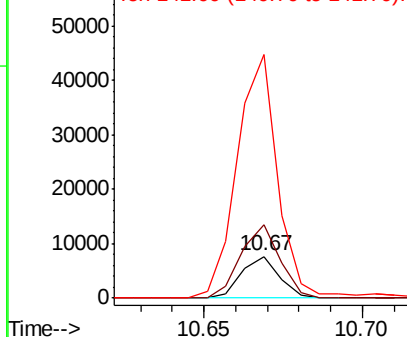


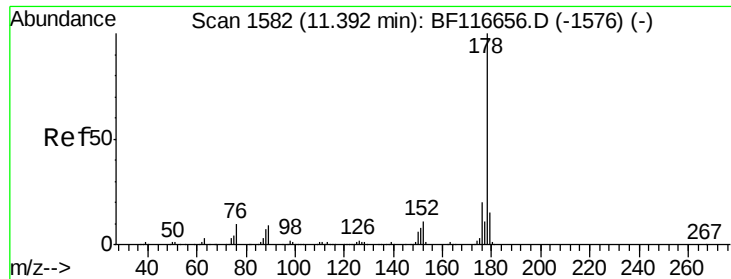
#67
 4-Bromophenyl-phenylether
 Concen: 3.361 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF116826.D
 Acq: 4 Sep 2019 20:03

Tgt Ion:248 Resp: 6360
 Ion Ratio Lower Upper
 248 100
 250 176.2 77.8 116.8#
 141 587.8 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: 2.632 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF116826.D

Acq: 4 Sep 2019 20:03

Instrument :

BNA_F

ClientSampleId :

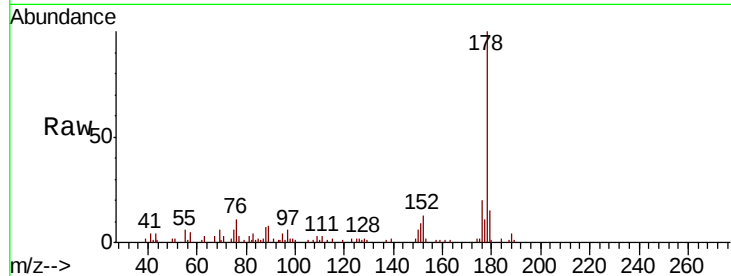
Tot Ion:178 Resp: 27291

Ion Ratio Lower Upper

178 100

176 20.3 15.4 23.0

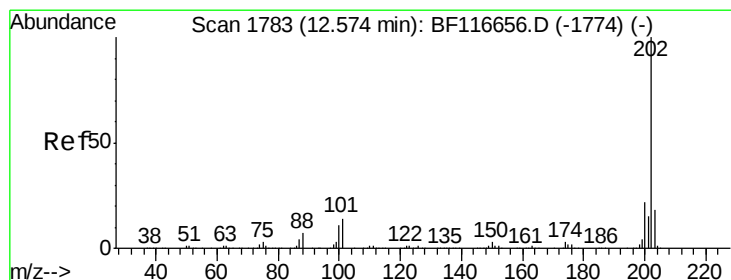
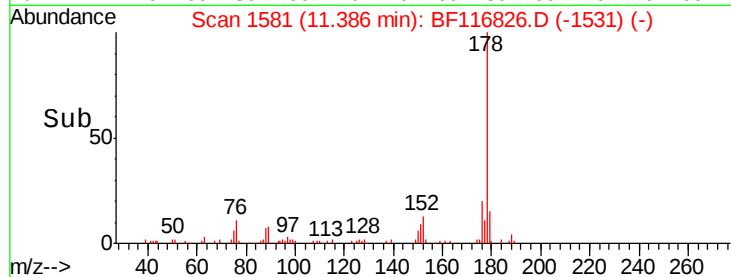
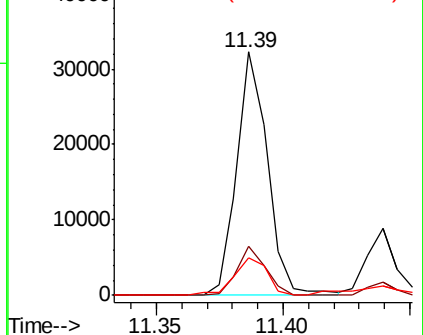
179 15.2 12.2 18.2



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: 3.832 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF116826.D

Acq: 4 Sep 2019 20:03

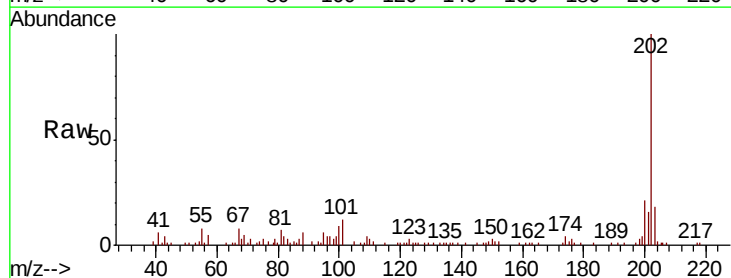
Tgt Ion:202 Resp: 39041

Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.3

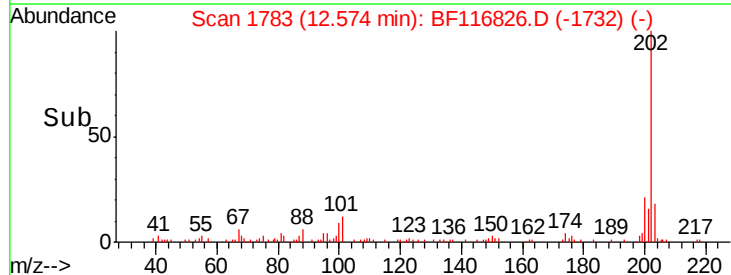
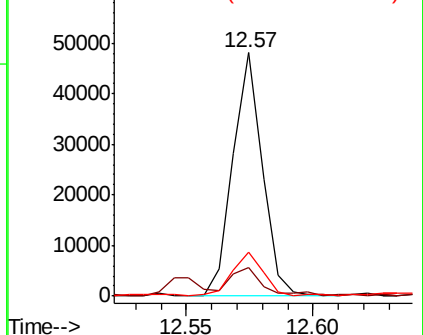
203 17.9 0.0 37.6

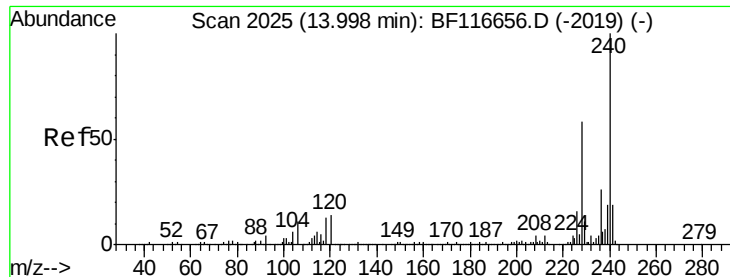


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF116826.D

Acq: 4 Sep 2019 20:03

Instrument :

BNA_F

ClientSampleId :

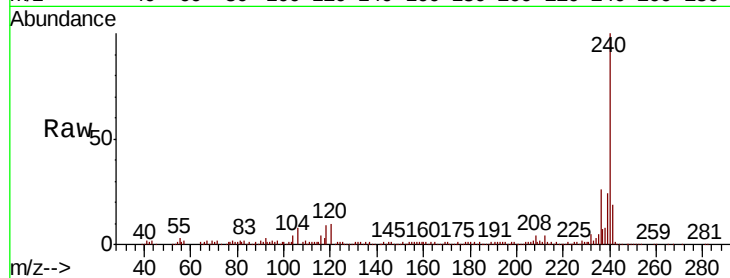
Tot Ion:240 Resp: 141174

Ion Ratio Lower Upper

240 100

120 10.4 9.1 13.7

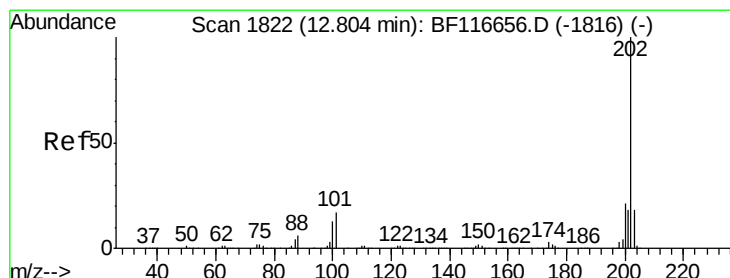
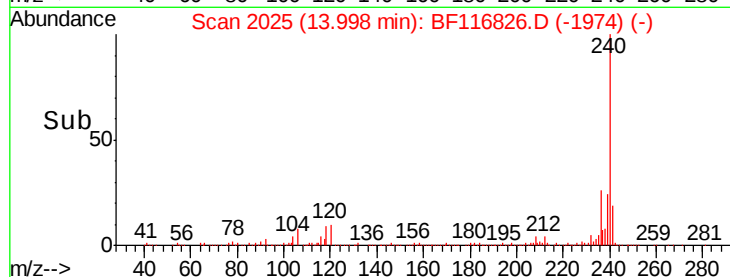
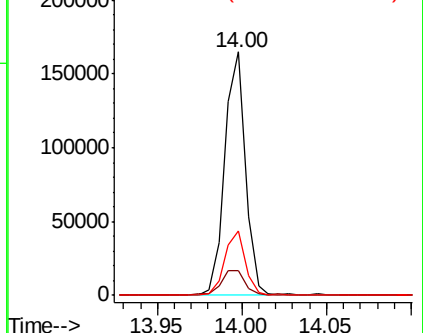
236 26.3 21.1 31.7



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

Pyrene

Concen: 2.748 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF116826.D

Acq: 4 Sep 2019 20:03

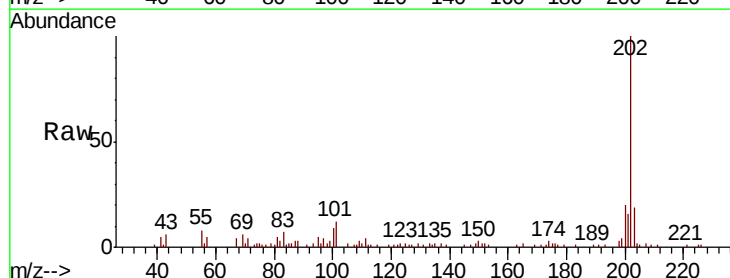
Tgt Ion:202 Resp: 34484

Ion Ratio Lower Upper

202 100

200 20.0 16.5 24.7

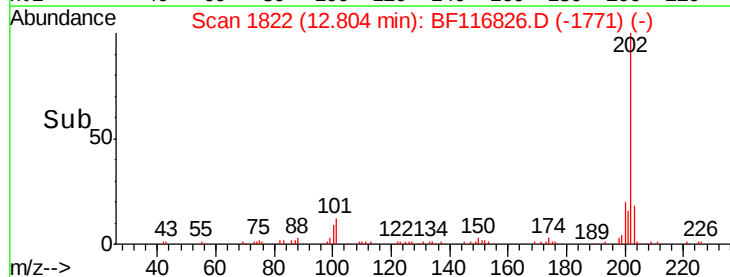
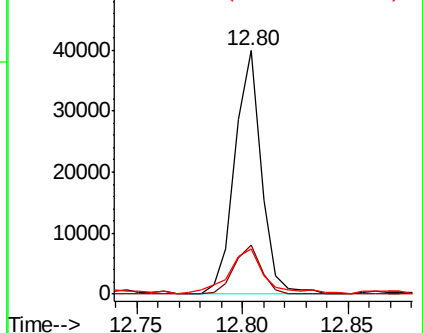
203 18.8 13.7 20.5

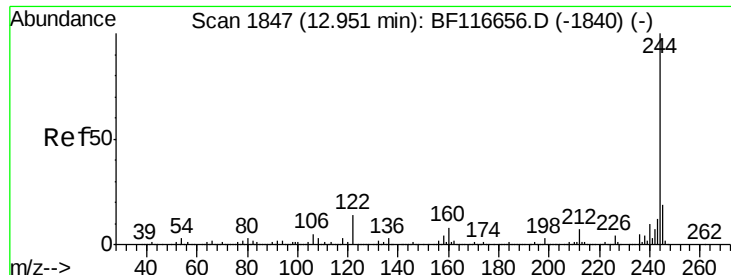


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

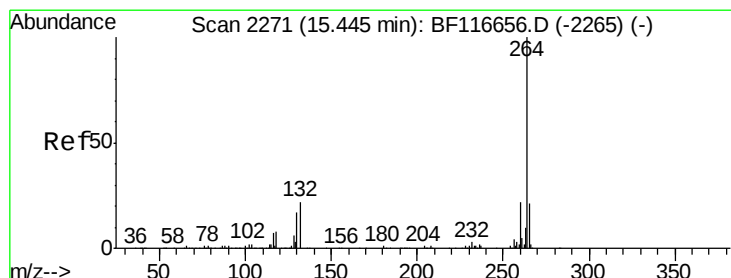
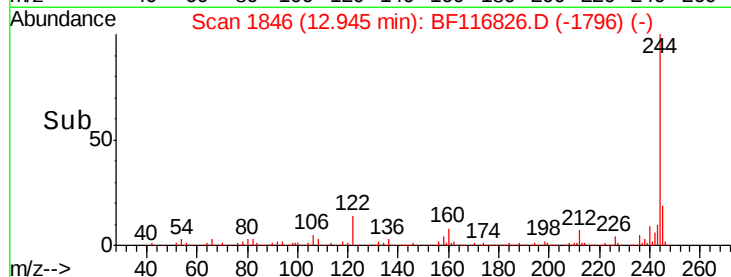
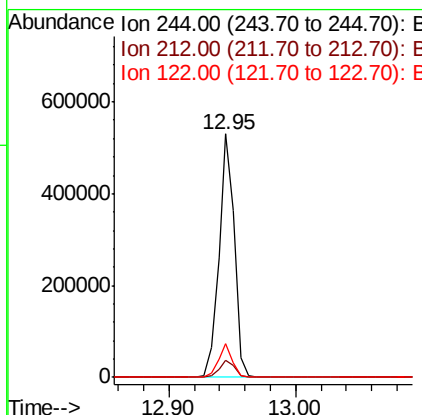
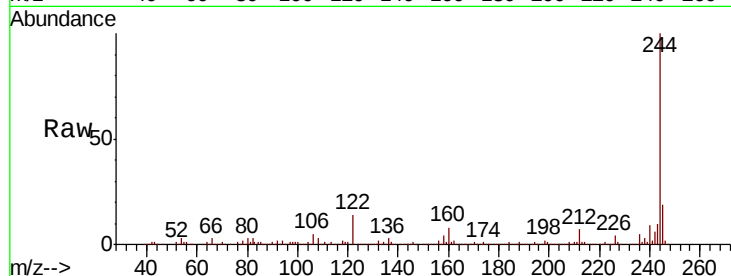




#79
 Terphenyl-d14
 Concen: 58.944 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116826.D
 Acq: 4 Sep 2019 20:03

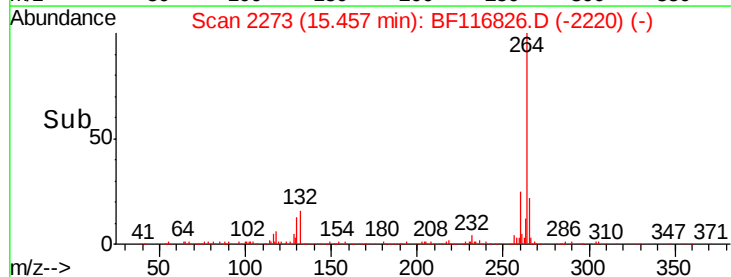
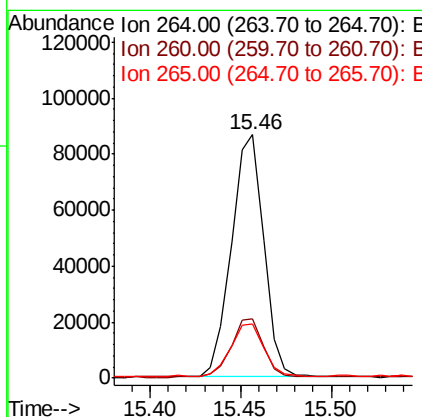
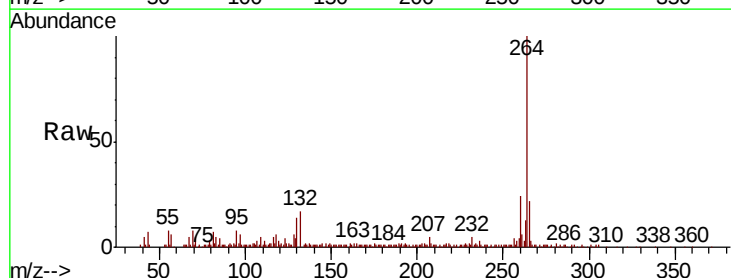
Instrument :
 BNA_F
 ClientSampleId :

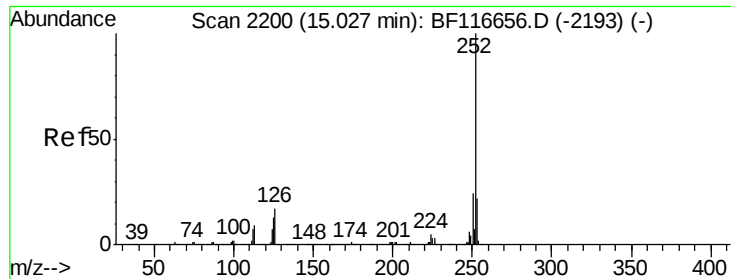
Tot Ion:244 Resp: 449820
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 13.6 10.2 15.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. 0.01 min
 Lab File: BF116826.D
 Acq: 4 Sep 2019 20:03

Tgt Ion:264 Resp: 107263
 Ion Ratio Lower Upper
 264 100
 260 24.5 18.3 27.5
 265 22.5 16.5 24.7





#88

Benzo(b)fluoranthene

Concen: 2.999 ng

RT: 15.03 min Scan# 2200

Delta R.T. 0.00 min

Lab File: BF116826.D

Acq: 4 Sep 2019 20:03

Instrument :

BNA_F

ClientSampleId :

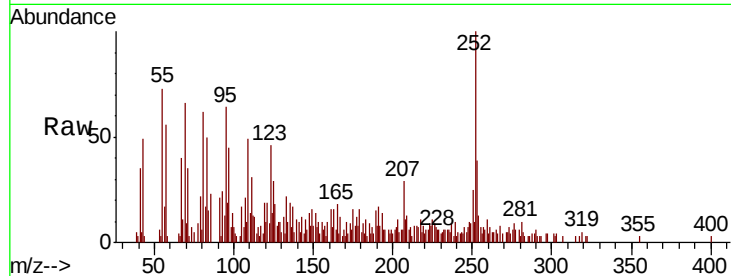
Tot Ion:252 Resp: 19451

Ion Ratio Lower Upper

252 100

253 38.9 17.7 26.5#

125 29.3 8.2 12.2#

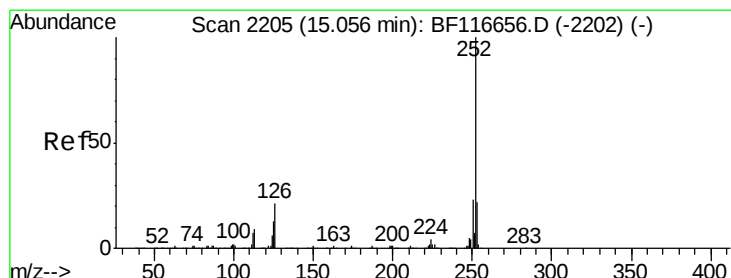
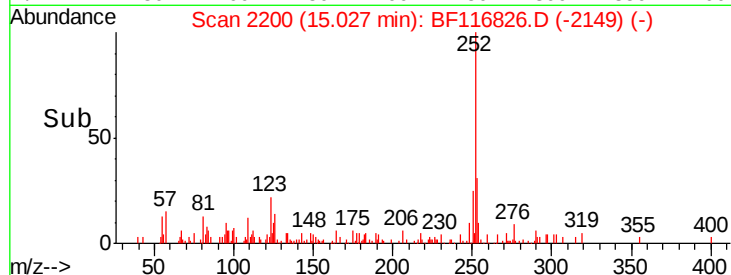
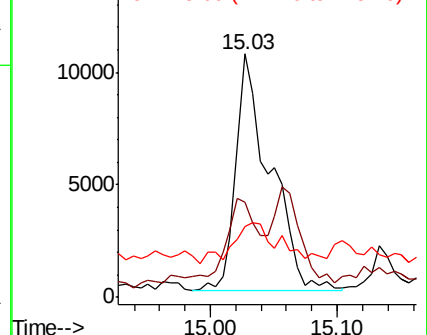


Abundance

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: 3.290 ng

RT: 15.03 min Scan# 2200

Delta R.T. -0.03 min

Lab File: BF116826.D

Acq: 4 Sep 2019 20:03

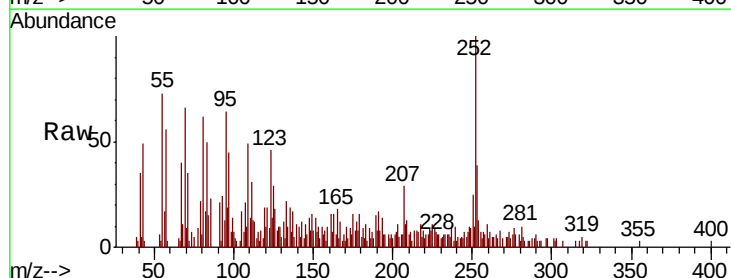
Tgt Ion:252 Resp: 19451

Ion Ratio Lower Upper

252 100

253 38.9 17.7 26.5#

125 29.3 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

