

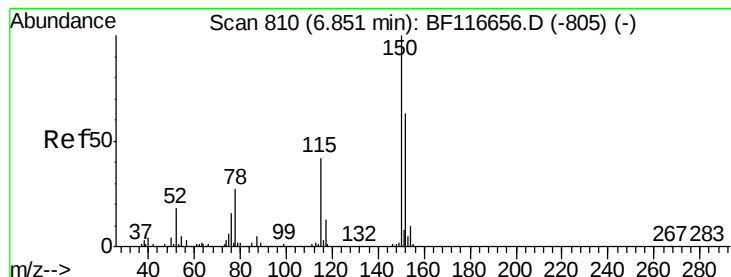
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
 Data File : BF116840.D
 Acq On : 5 Sep 2019 16:14
 Operator : HP/JU
 Sample : K4683-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 06 03:54:43 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	86783	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	357003	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	186230	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	297741	20.00	ng	0.00
76) Chrysene-d12	14.00	240	224005	20.00	ng	0.00
87) Perylene-d12	15.46	264	215931	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	580528	108.37	ng	0.00
7) Phenol-d6	6.48	99	794517	112.95	ng	0.00
23) Nitrobenzene-d5	7.40	82	482501	77.16	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	154925	124.44	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	775252	70.22	ng	-0.01
79) Terphenyl-d14	12.95	244	738118	60.96	ng	0.00
Target Compounds						
10) Phenol	6.49	94	19670	2.525	ng	97
19) n-Nitroso-di-n-propylamine	7.40	70	66683	14.398	ng	# 73
25) Isophorone	7.40	82	482322	38.062	ng	# 66
50) Dimethylphthalate	9.59	163	87063	6.772	ng	98
57) 2,4-Dinitrotoluene	9.88	165	24560	8.188	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.67	198	188	7.596	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	10036	3.318	ng	# 1
71) Phenanthrene	11.39	178	57044	3.442	ng	97
75) Fluoranthene	12.57	202	49490	3.038	ng	98
78) Pyrene	12.80	202	62030	3.115	ng	98
81) Benzo(a)anthracene	13.99	228	30536	2.154	ng	# 78
83) Chrysene	14.02	228	33650	2.304	ng	# 94
88) Benzo(b)fluoranthene	15.03	252	32861	2.517	ng	# 87
89) Benzo(k)fluoranthene	15.03	252	32861	2.761	ng	# 88

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

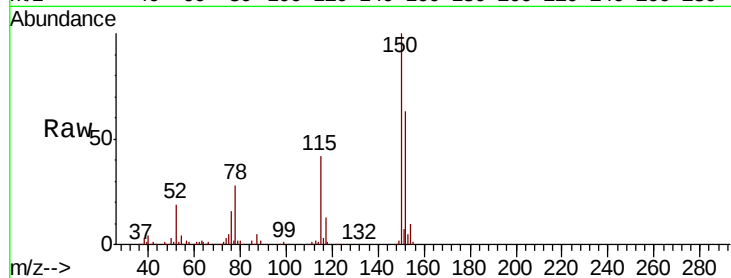


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116840.D
Acq: 5 Sep 2019 16:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	124.4	186.6
115	66.1	49.9	74.9

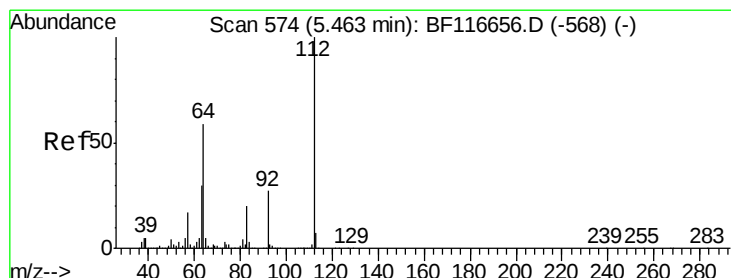
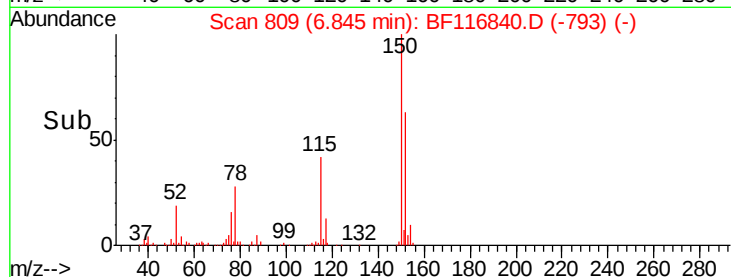
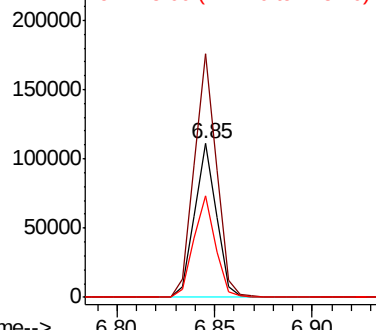


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

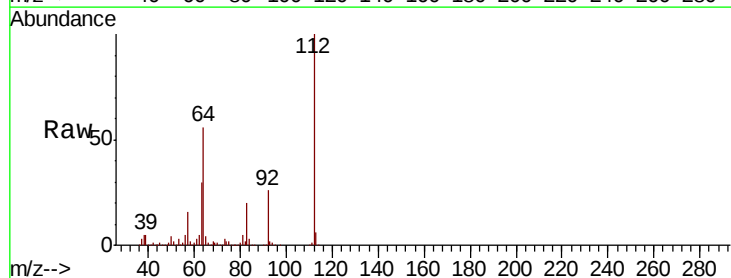
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 108.372 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF116840.D
Acq: 5 Sep 2019 16:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	47.1	70.7
63	29.6	24.9	37.3

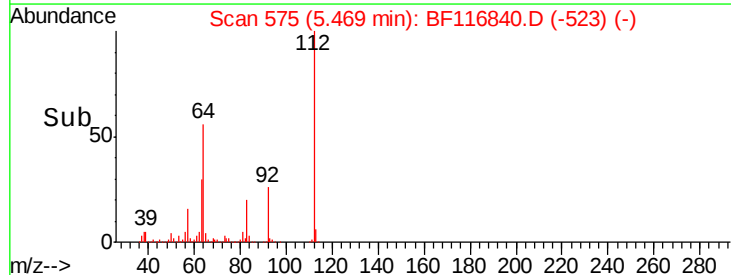
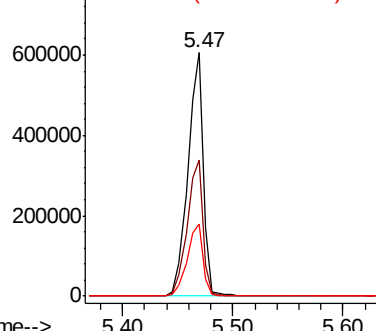


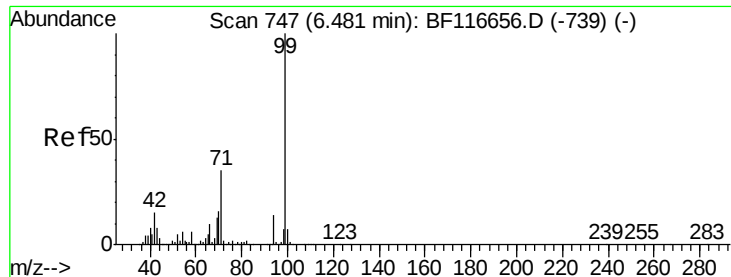
Abundance

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: 112.953 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116840.D

Acq: 5 Sep 2019 16:14

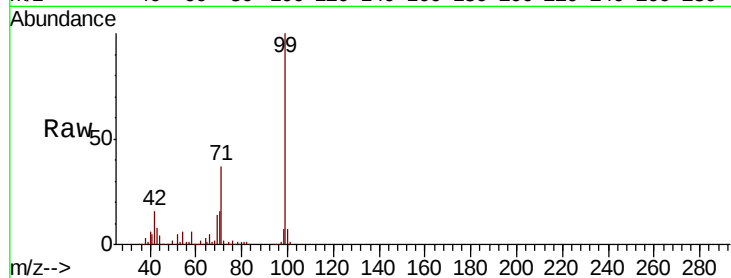
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 794517

Ion	Ratio	Lower	Upper
99	100		
42	15.7	13.7	20.5
71	37.4	30.8	46.2

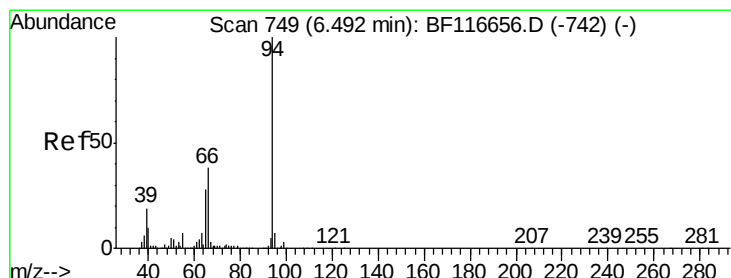
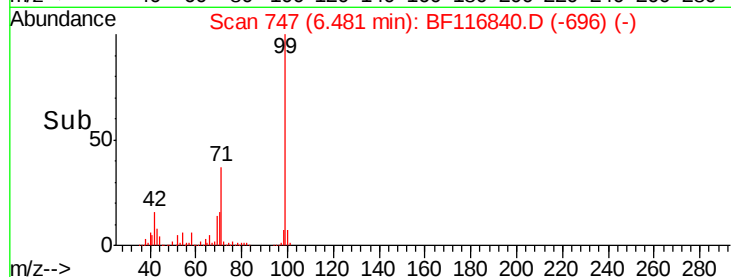
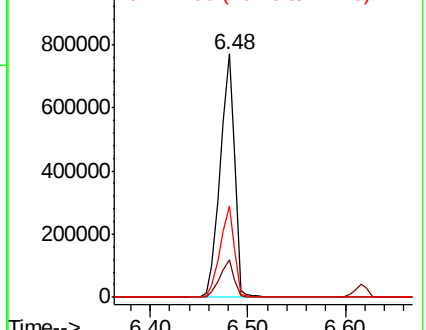


Abundance

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: 2.525 ng

RT: 6.49 min Scan# 749

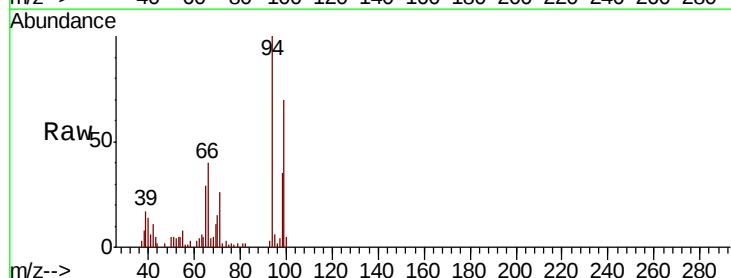
Delta R.T. 0.00 min

Lab File: BF116840.D

Acq: 5 Sep 2019 16:14

Tgt Ion: 94 Resp: 19670

Ion	Ratio	Lower	Upper
94	100		
65	28.8	10.8	50.8
66	39.6	21.1	61.1

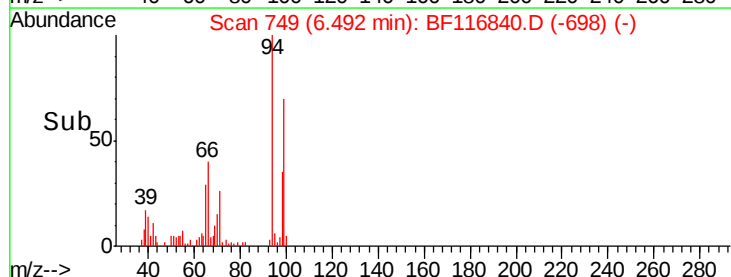
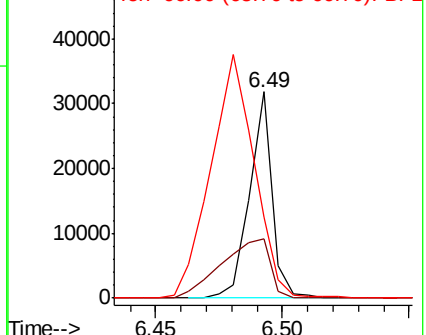


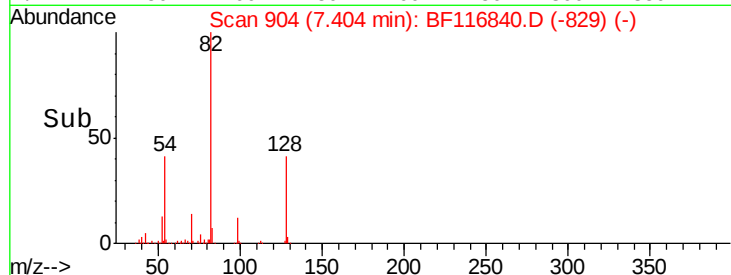
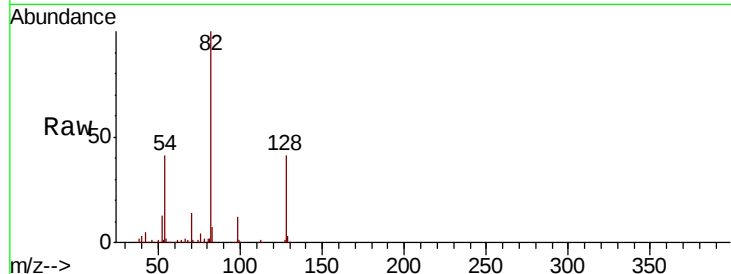
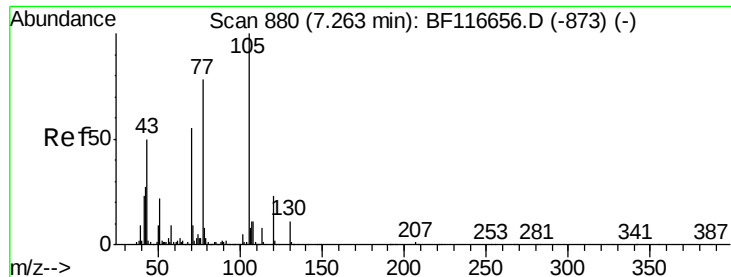
Abundance

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

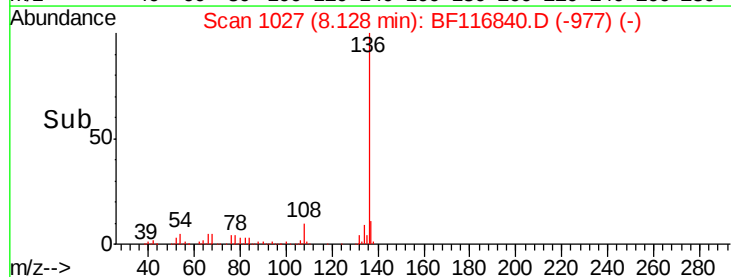
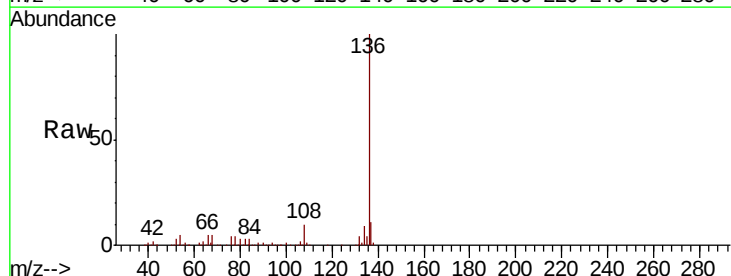
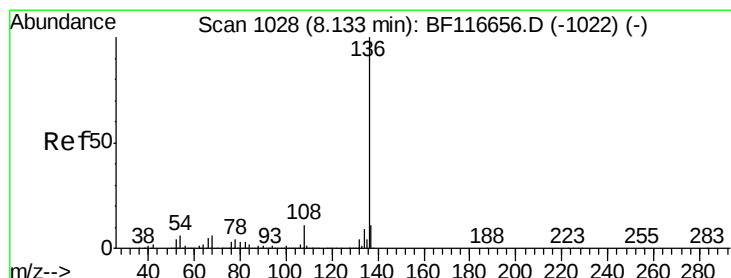
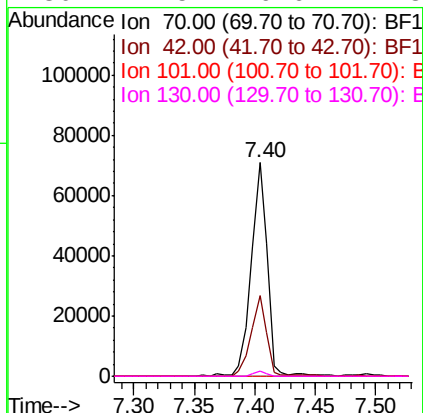




#19
n-Nitroso-di-n-propylamine
Concen: 14.398 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116840.D
Acq: 5 Sep 2019 16:14

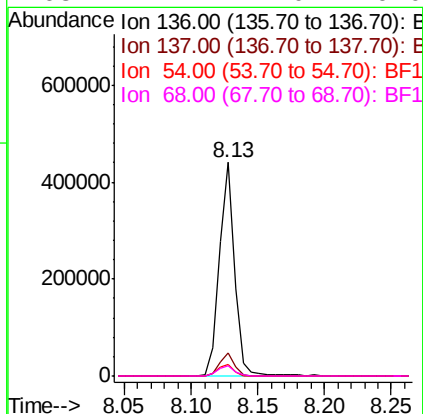
Instrument :
BNA_F
ClientSampleId :

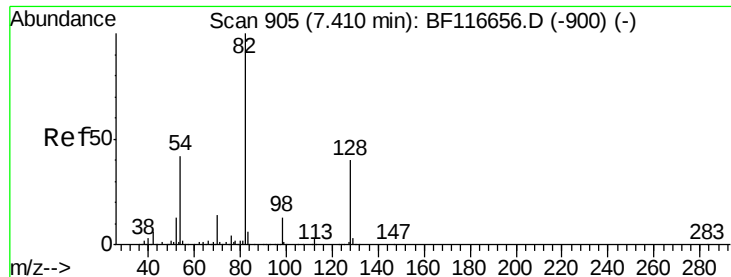
Tot Ion:	70	Resp:	66683
Ion	Ratio	Lower	Upper
70	100		
42	37.8	43.5	65.3#
101	0.0	7.8	11.6#
130	2.5	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116840.D
Acq: 5 Sep 2019 16:14

Tgt Ion:	136	Resp:	357003
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	5.5	4.8	7.2
68	4.7	4.0	6.0

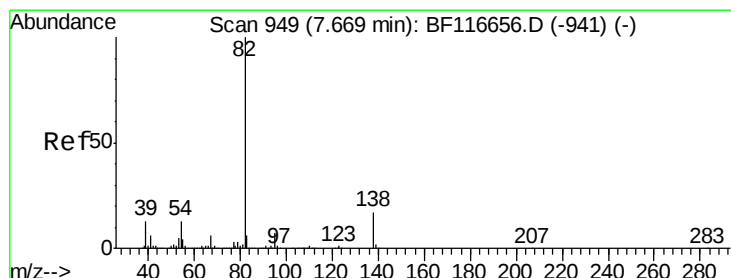
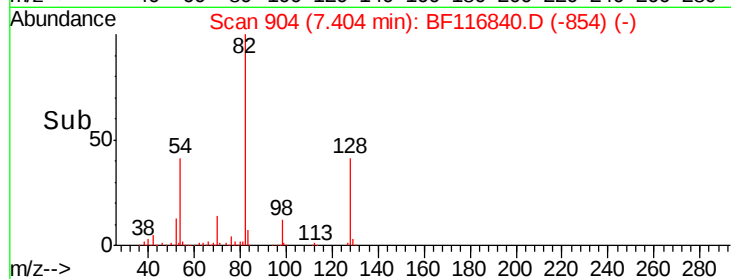
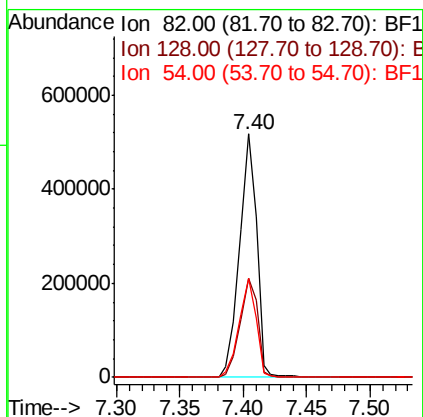
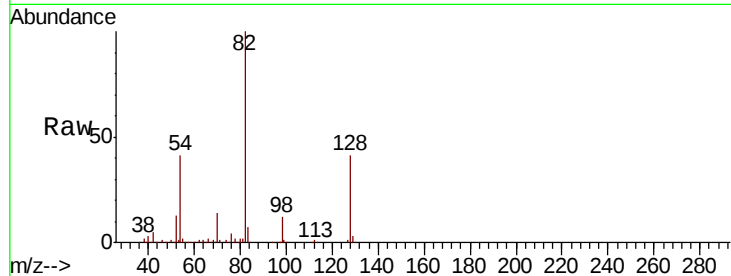




#23
Nitrobenzene-d5
Concen: 77.155 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116840.D
Acq: 5 Sep 2019 16:14

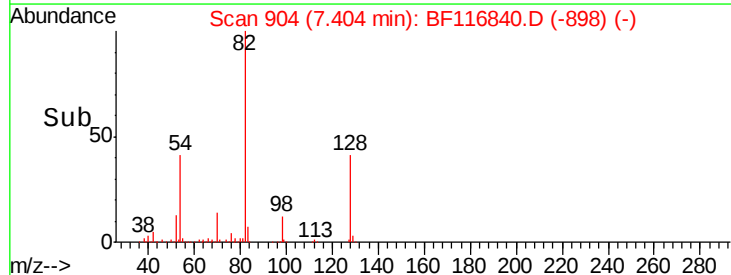
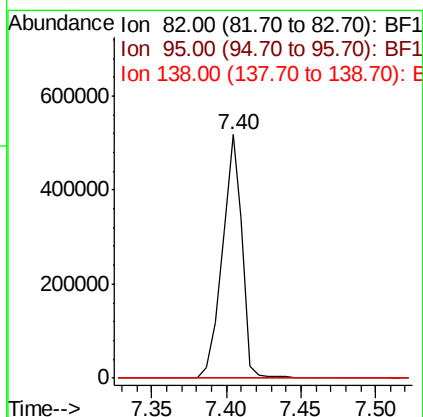
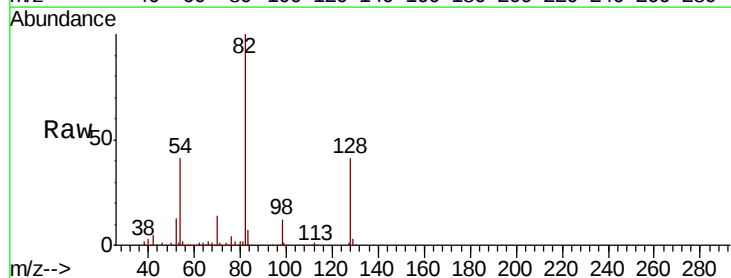
Instrument :
BNA_F
ClientSampleId :

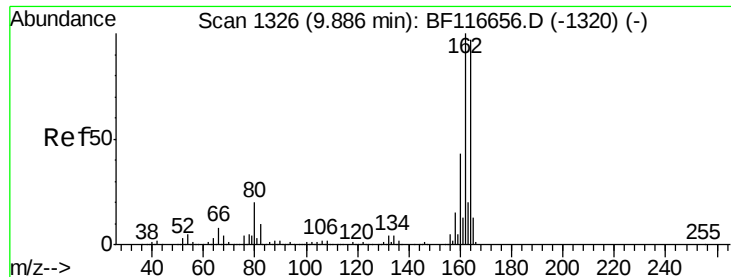
Tot Ion	82	Resp	482501
Ion Ratio	Lower	Upper	
82	100		
128	40.8	32.8	49.2
54	40.7	36.9	55.3



#25
Isophorone
Concen: 38.062 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.26 min
Lab File: BF116840.D
Acq: 5 Sep 2019 16:14

Tgt Ion	82	Resp	482322
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

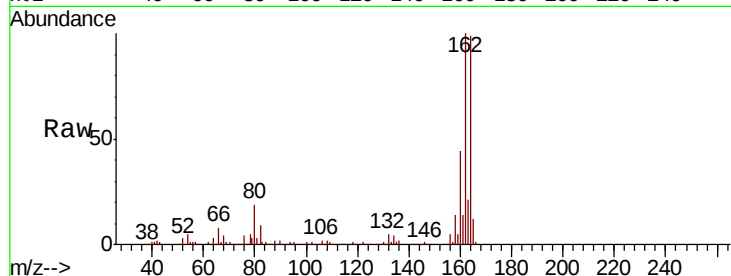




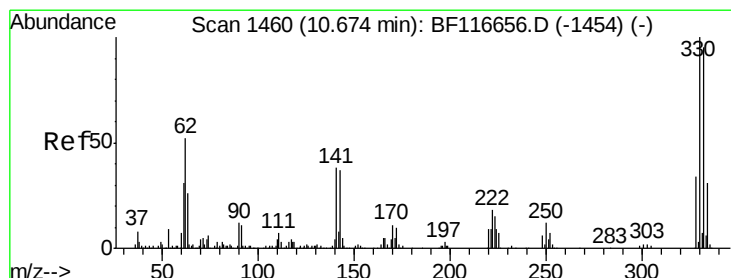
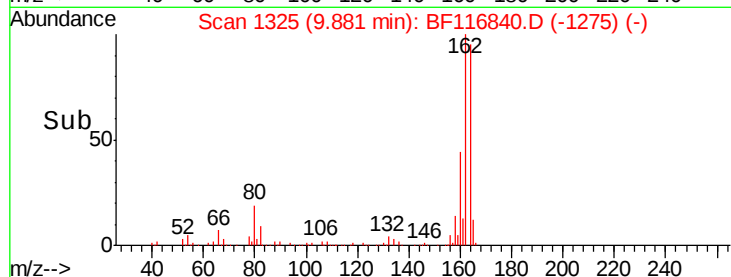
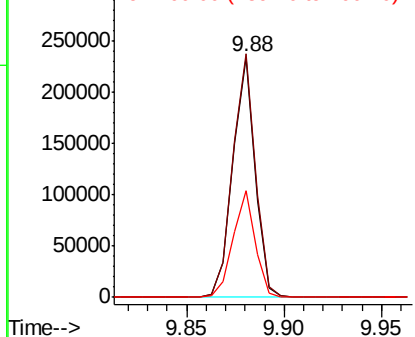
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116840.D
Acq: 5 Sep 2019 16:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 186230
Ion Ratio Lower Upper
164 100
162 101.5 81.4 122.0
160 44.6 35.4 53.2

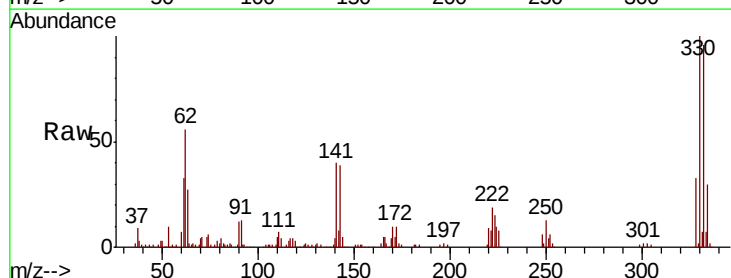


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

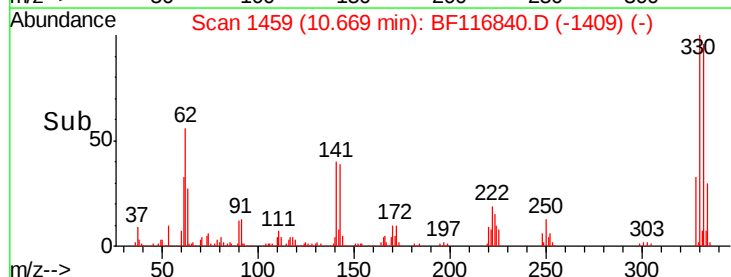
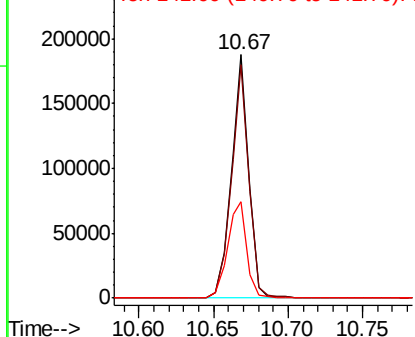


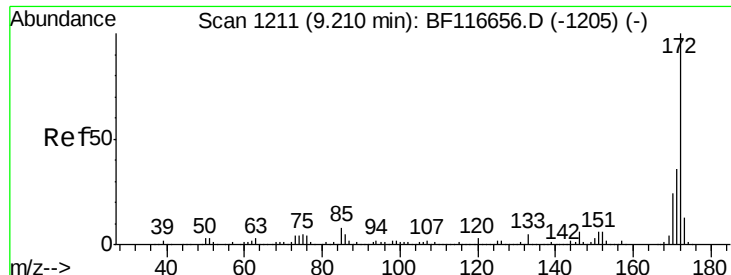
#42
2,4,6-Tribromophenol
Concen: 124.439 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116840.D
Acq: 5 Sep 2019 16:14

Tgt Ion:330 Resp: 154925
Ion Ratio Lower Upper
330 100
332 96.1 76.9 115.3
141 44.1 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

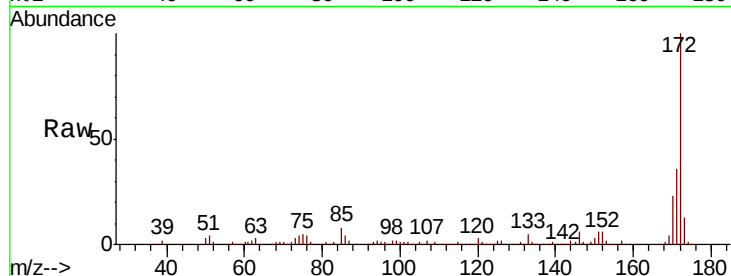




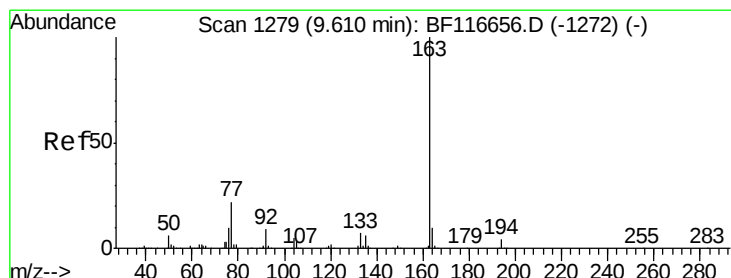
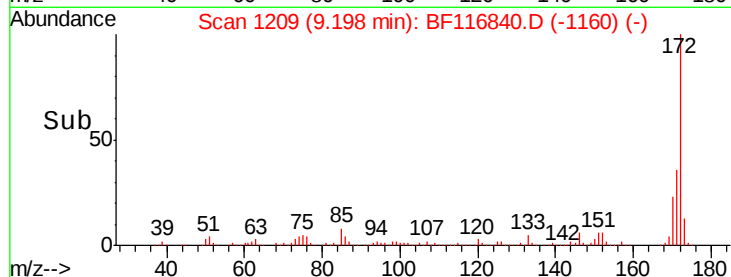
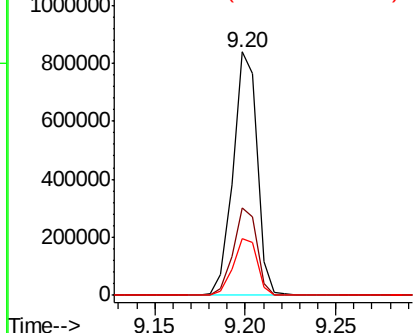
#45
2-Fluorobiphenyl
Concen: 70.223 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF116840.D
Acq: 5 Sep 2019 16:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	27.8	41.6
170	23.4	18.9	28.3

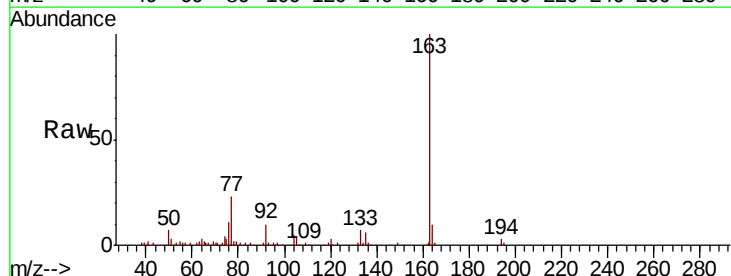


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

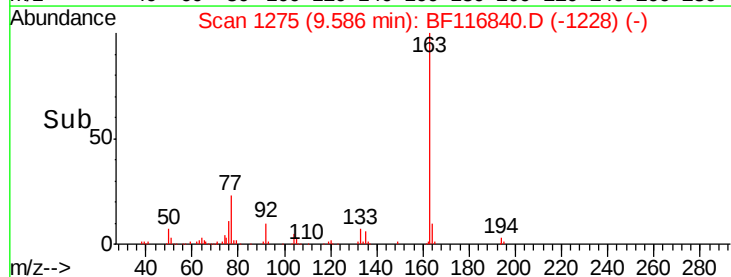
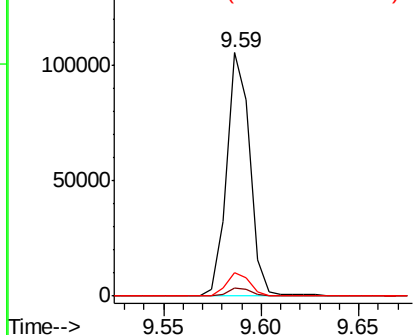


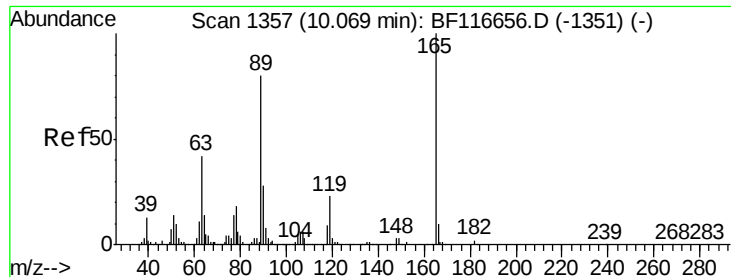
#50
Dimethylphthalate
Concen: 6.772 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116840.D
Acq: 5 Sep 2019 16:14

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	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

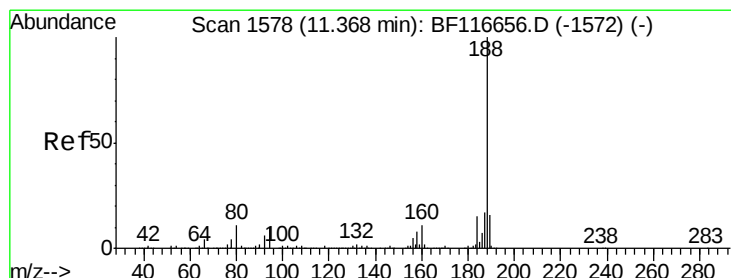
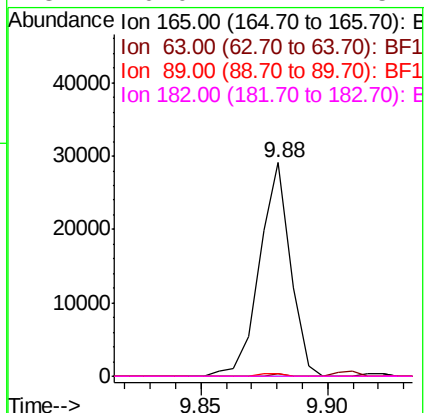
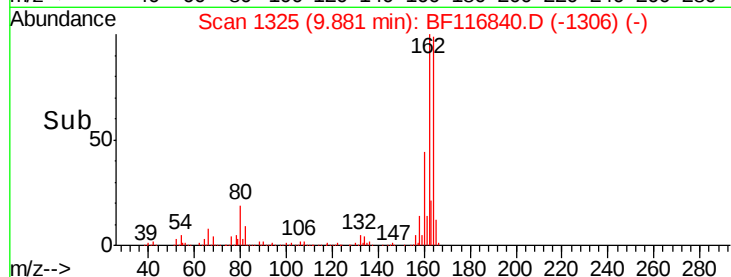
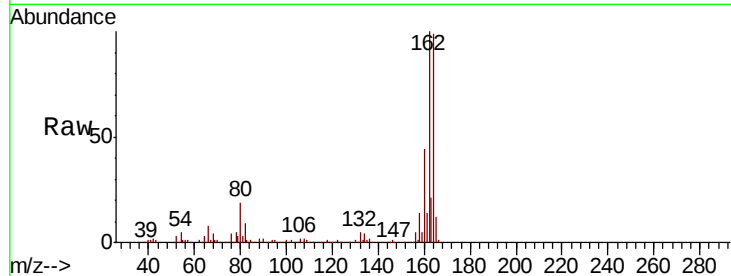




#57
 2,4-Dinitrotoluene
 Concen: 8.188 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF116840.D
 Acq: 5 Sep 2019 16:14

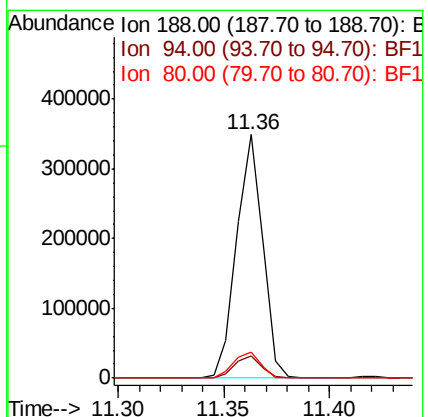
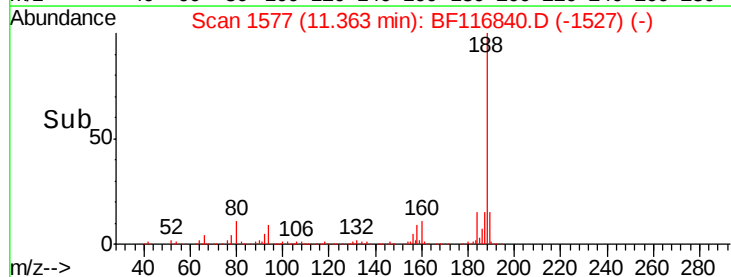
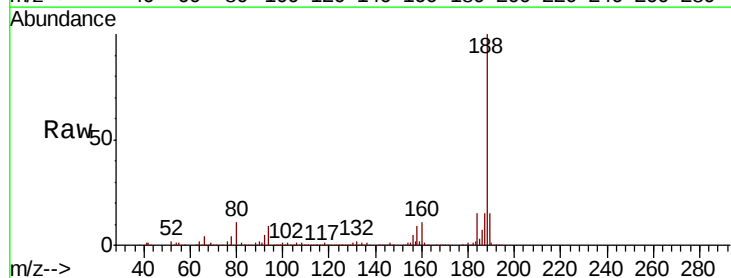
Instrument :
 BNA_F
 ClientSampleId :

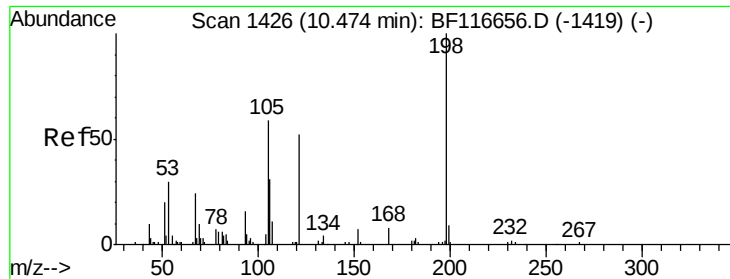
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	1.4	62.6	94.0#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF116840.D
 Acq: 5 Sep 2019 16:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.3	10.9
80	10.8	8.4	12.6

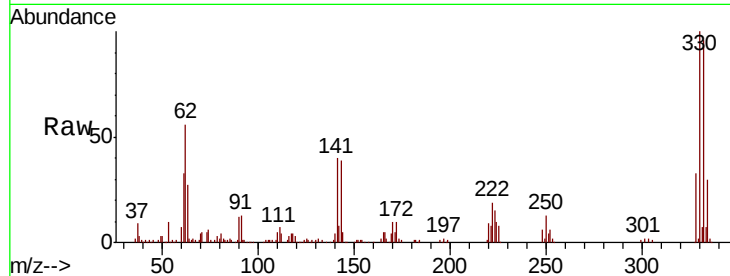




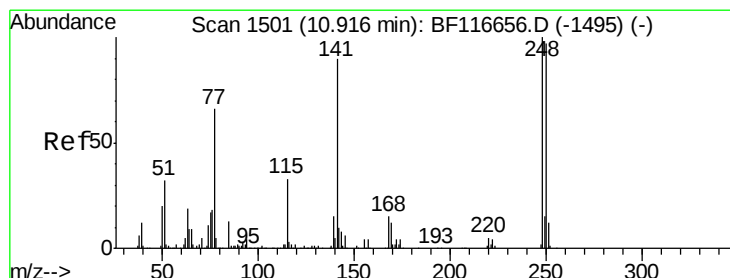
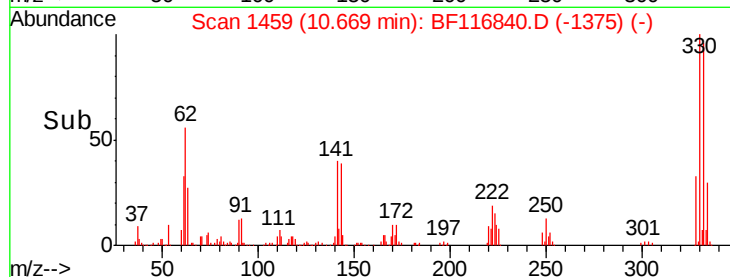
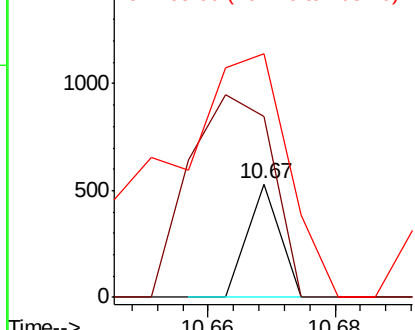
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.596 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. 0.19 min
 Lab File: BF116840.D
 Acq: 5 Sep 2019 16:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 188
 Ion Ratio Lower Upper
 198 100
 51 159.2 18.4 58.4#
 105 214.3 22.9 62.9#

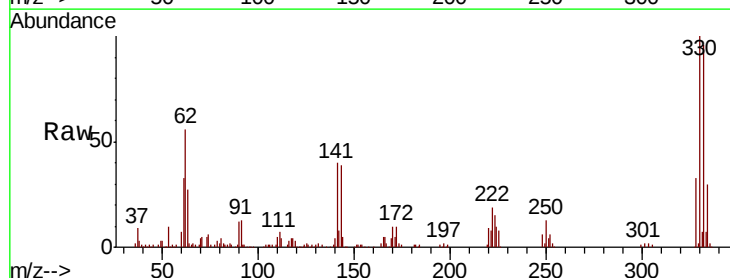


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

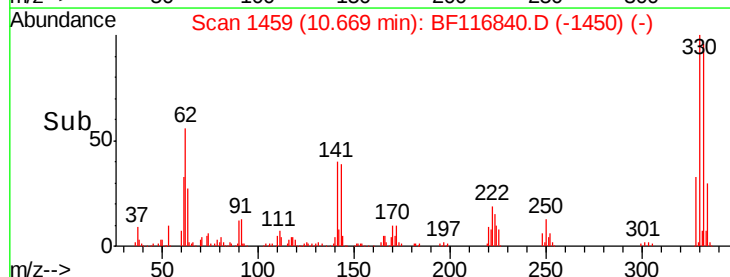
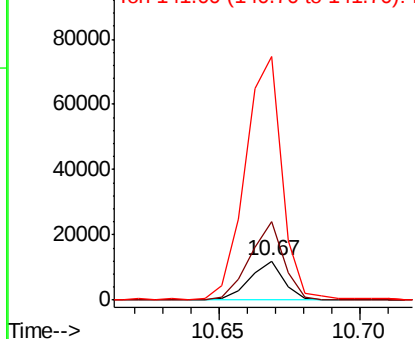


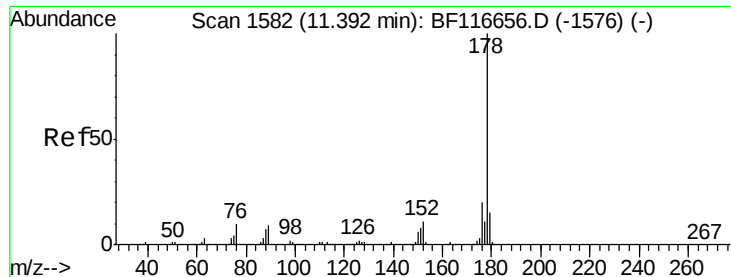
#67
 4-Bromophenyl-phenylether
 Concen: 3.318 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF116840.D
 Acq: 5 Sep 2019 16:14

Tgt Ion:248 Resp: 10036
 Ion Ratio Lower Upper
 248 100
 250 198.3 77.8 116.8#
 141 619.3 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: 3.442 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF116840.D

Acq: 5 Sep 2019 16:14

Instrument :

BNA_F

ClientSampleId :

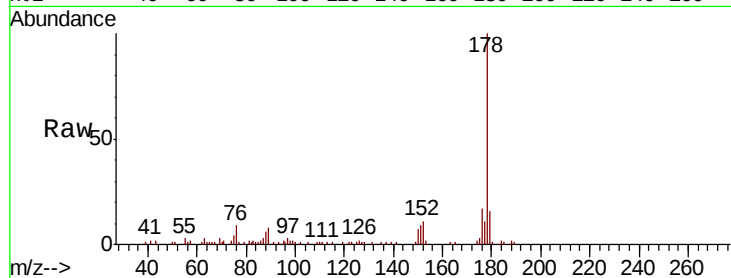
Tot Ion:178 Resp: 57044

Ion Ratio Lower Upper

178 100

176 17.5 15.4 23.0

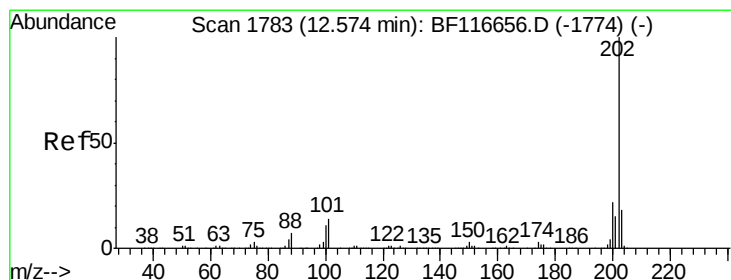
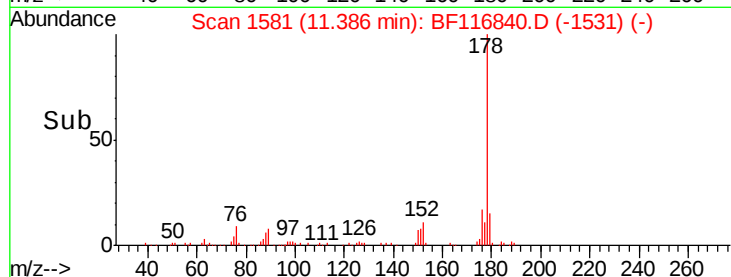
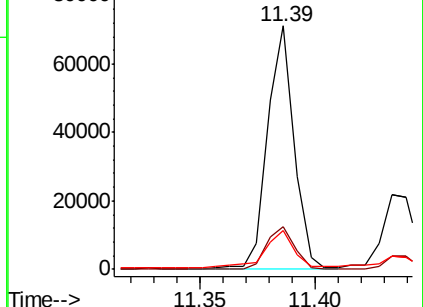
179 16.1 12.2 18.2



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: 3.038 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF116840.D

Acq: 5 Sep 2019 16:14

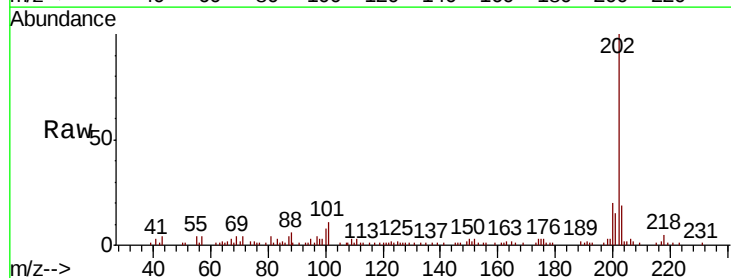
Tgt Ion:202 Resp: 49490

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.3

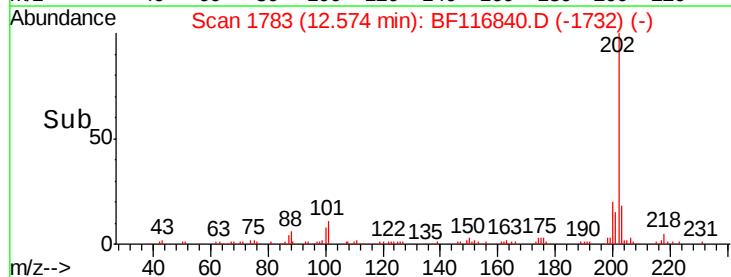
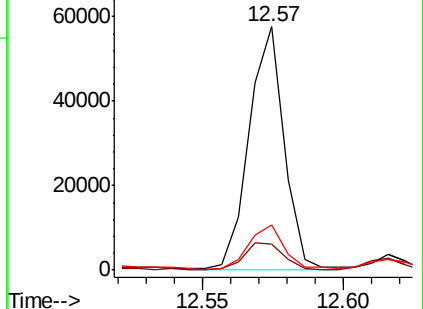
203 18.5 0.0 37.6

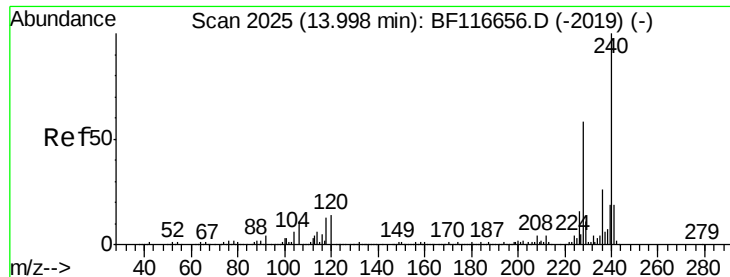


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF116840.D

Acq: 5 Sep 2019 16:14

Instrument :

BNA_F

ClientSampleId :

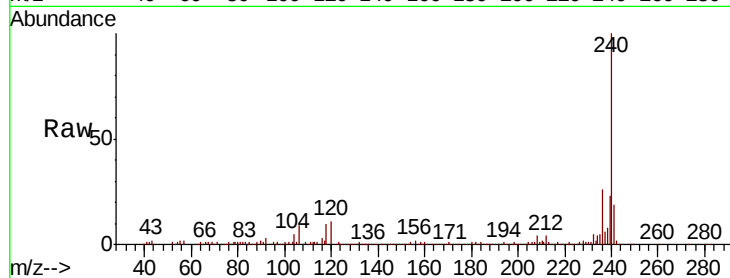
Tot Ion:240 Resp: 224005

Ion Ratio Lower Upper

240 100

120 11.1 9.1 13.7

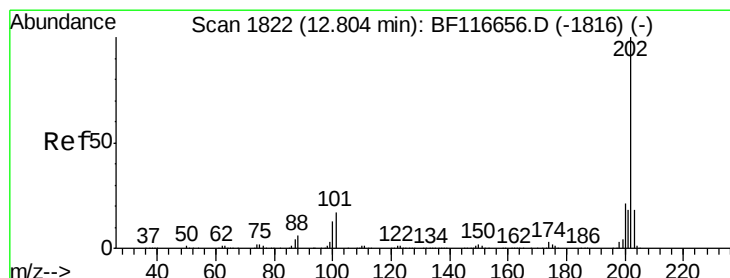
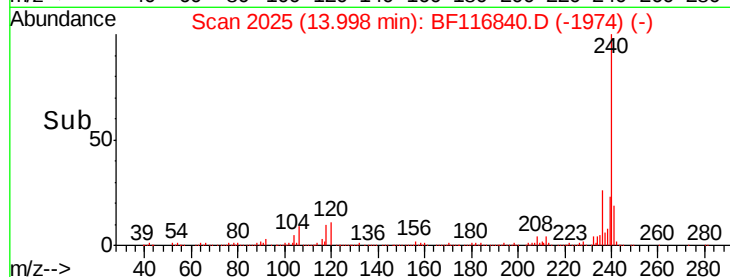
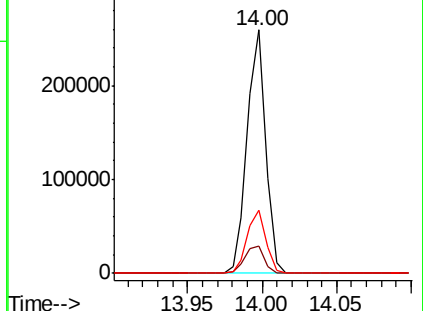
236 25.9 21.1 31.7



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: 3.115 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF116840.D

Acq: 5 Sep 2019 16:14

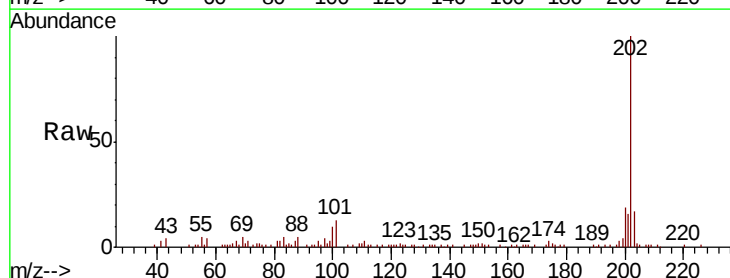
Tgt Ion:202 Resp: 62030

Ion Ratio Lower Upper

202 100

200 19.2 16.5 24.7

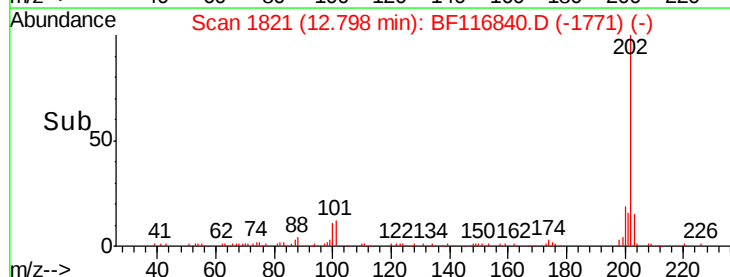
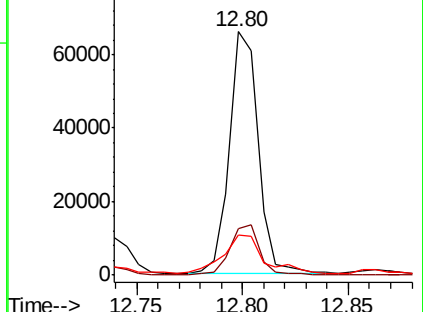
203 16.6 13.7 20.5

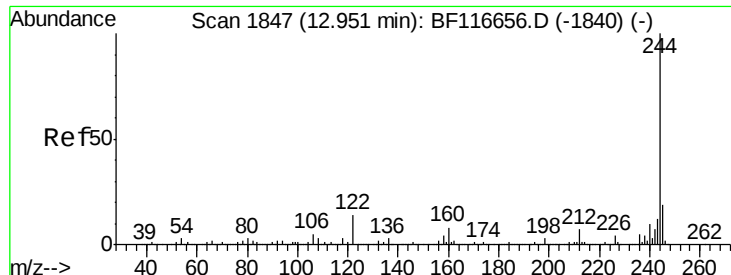


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

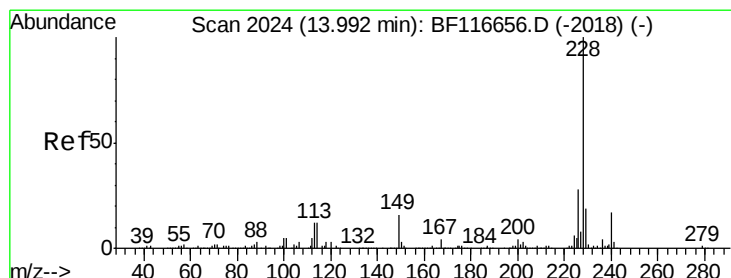
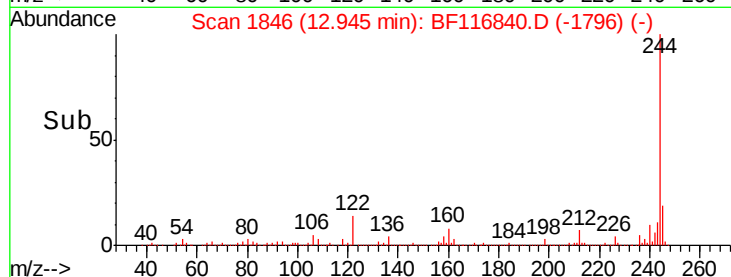
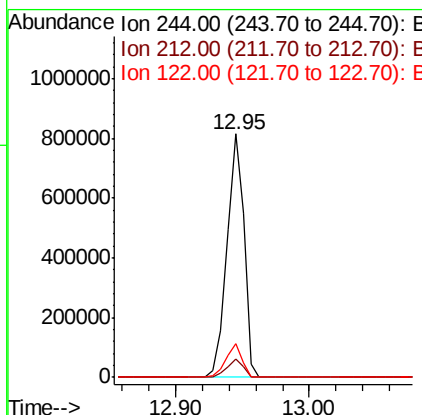
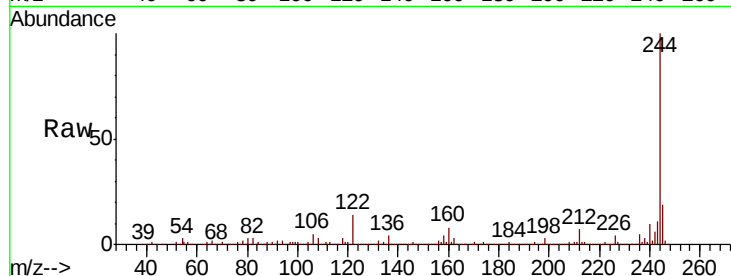




#79
 Terphenyl-d14
 Concen: 60.957 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116840.D
 Acq: 5 Sep 2019 16:14

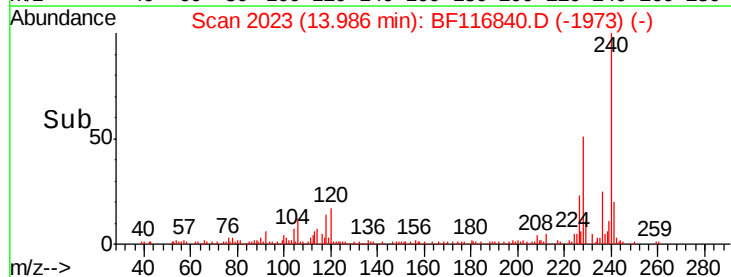
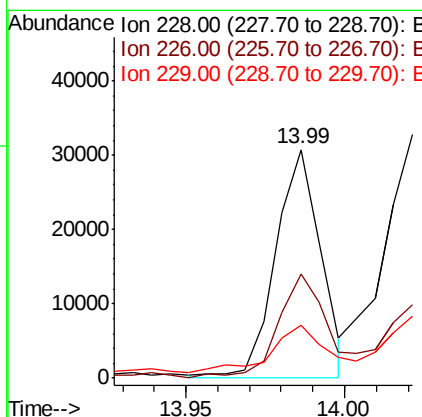
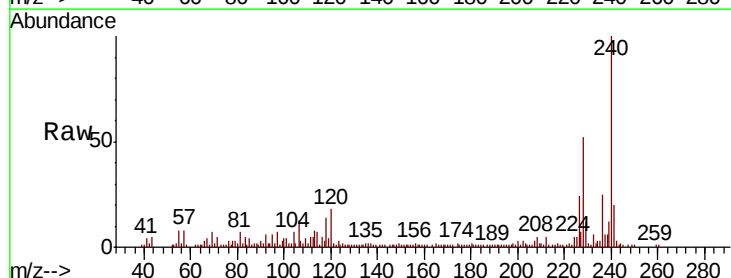
Instrument :
 BNA_F
 ClientSampleID :

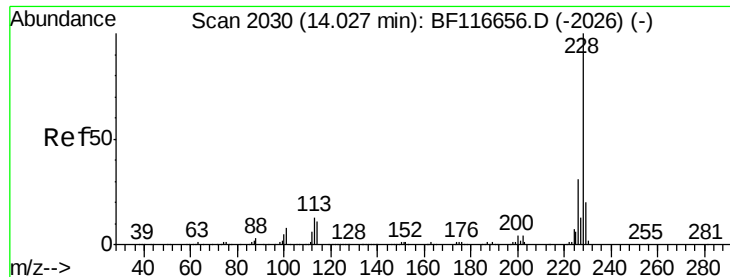
Tot Ion:244 Resp: 738118
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 13.7 10.2 15.4



#81
 Benzo(a)anthracene
 Concen: 2.154 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF116840.D
 Acq: 5 Sep 2019 16:14

Tgt Ion:228 Resp: 30536
 Ion Ratio Lower Upper
 228 100
 226 45.6 22.0 33.0#
 229 23.0 16.4 24.6





#83

Chrysene

Concen: 2.304 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF116840.D

Acq: 5 Sep 2019 16:14

Instrument :

BNA_F

ClientSampleId :

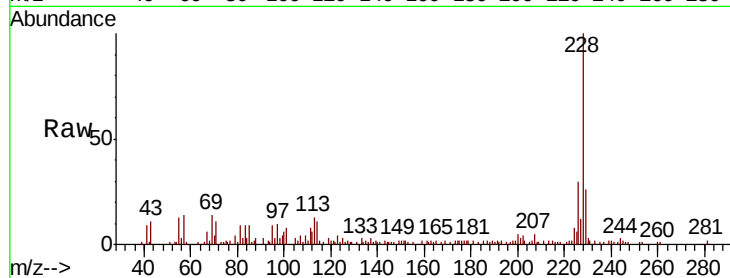
Tot Ion:228 Resp: 33650

Ion Ratio Lower Upper

228 100

226 29.9 24.0 36.0

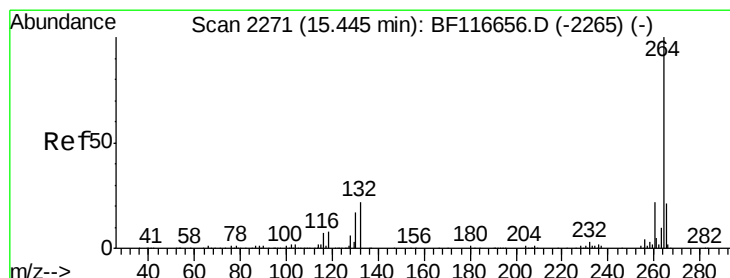
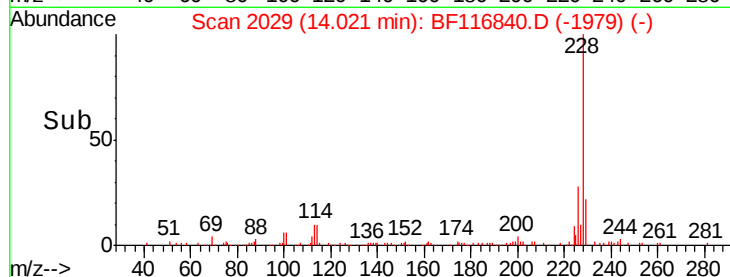
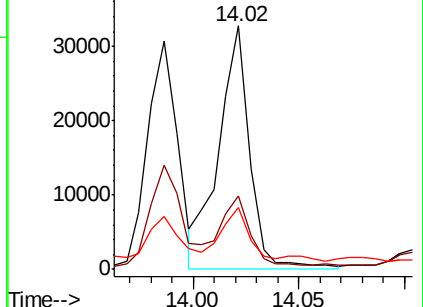
229 25.5 15.4 23.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2273

Delta R.T. 0.01 min

Lab File: BF116840.D

Acq: 5 Sep 2019 16:14

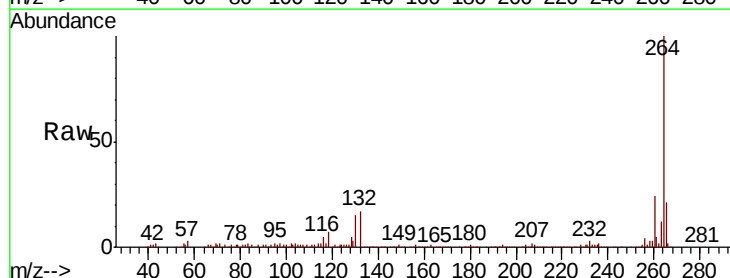
Tgt Ion:264 Resp: 215931

Ion Ratio Lower Upper

264 100

260 23.6 18.3 27.5

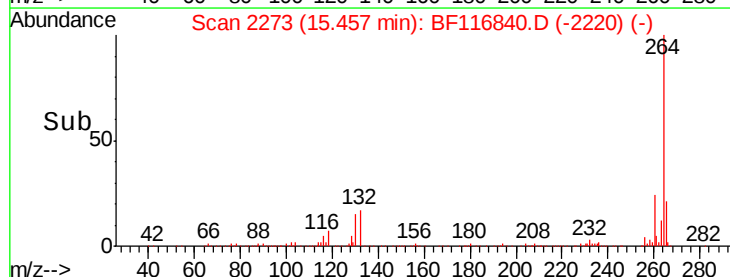
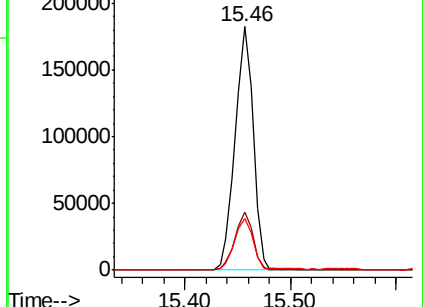
265 21.3 16.5 24.7

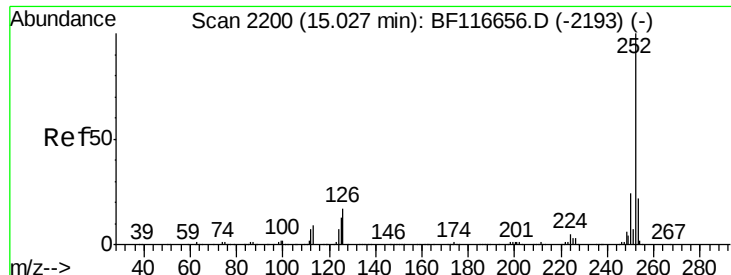


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

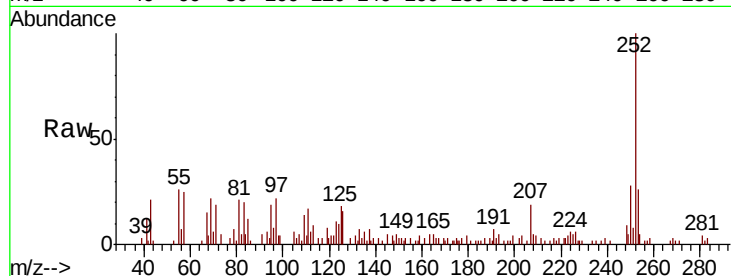




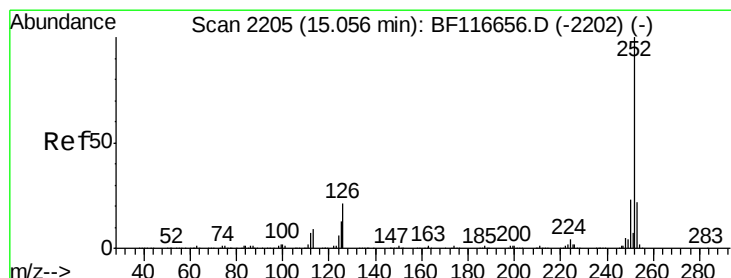
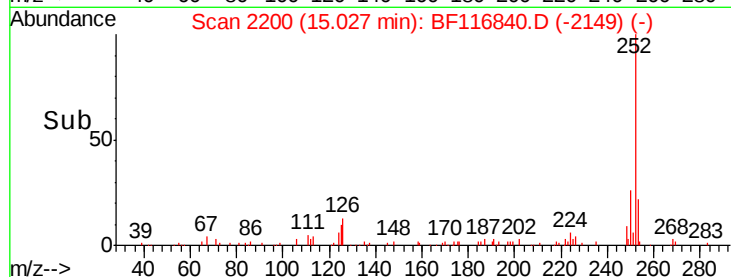
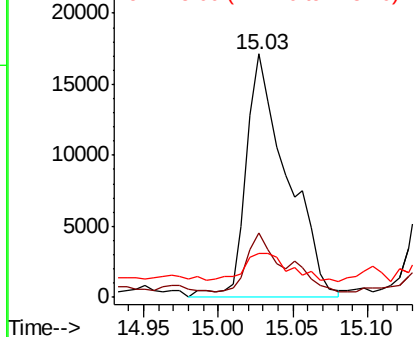
#88
Benzo(b)fluoranthene
Concen: 2.517 ng
RT: 15.03 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BF116840.D
Acq: 5 Sep 2019 16:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 32861
Ion Ratio Lower Upper
252 100
253 26.4 17.7 26.5
125 17.9 8.2 12.2#

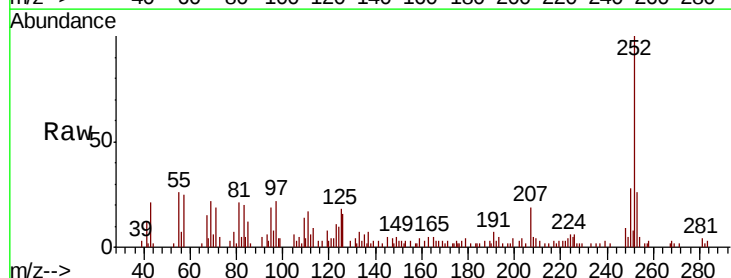


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 2.761 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.03 min
Lab File: BF116840.D
Acq: 5 Sep 2019 16:14

Tgt Ion:252 Resp: 32861
Ion Ratio Lower Upper
252 100
253 26.4 17.7 26.5
125 17.9 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

