

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
 Data File : BF116824.D
 Acq On : 4 Sep 2019 19:09
 Operator : HP/JU
 Sample : K4655-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 05 02:08:49 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	59587	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	240000	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	124496	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	203858	20.00	ng	0.00
76) Chrysene-d12	14.00	240	143983	20.00	ng	0.00
87) Perylene-d12	15.46	264	139849	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	328242	89.24	ng	0.00
7) Phenol-d6	6.48	99	444234	91.98	ng	0.00
23) Nitrobenzene-d5	7.40	82	271347	64.54	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	86730	104.21	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	473244	64.12	ng	0.00
79) Terphenyl-d14	12.94	244	442775	56.89	ng	0.00

Target Compounds

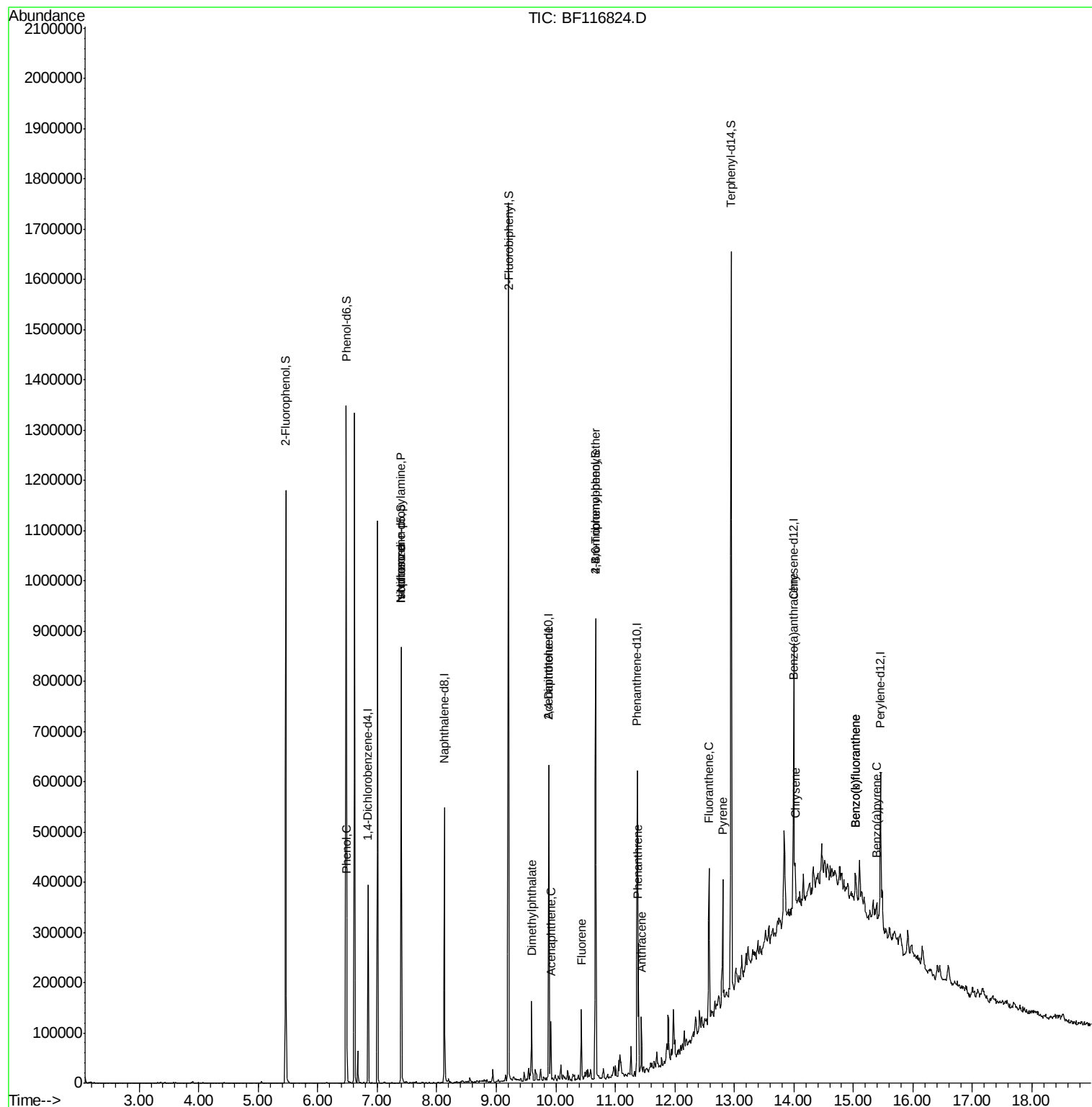
						Qvalue
10) Phenol	6.49	94	13708	2.563	ng	93
19) n-Nitroso-di-n-propylamine	7.40	70	37031	11.645	ng	# 69
25) Isophorone	7.40	82	271341	31.852	ng	# 66
50) Dimethylphthalate	9.59	163	50905	5.923	ng	# 99
52) Acenaphthene	9.92	154	22070	3.176	ng	96
57) 2,4-Dinitrotoluene	9.88	165	16590	8.274	ng	# 19
58) Fluorene	10.43	166	34867	4.671	ng	95
67) 4-Bromophenyl-phenylether	10.67	248	6115	2.953	ng	# 1
71) Phenanthrene	11.39	178	88132	7.766	ng	98
72) Anthracene	11.44	178	37446	3.278	ng	96
75) Fluoranthene	12.57	202	107603	9.648	ng	100
78) Pvrene	12.80	202	97540	7.621	ng	99
81) Benzo(a)anthracene	13.99	228	31504	3.457	ng	93
83) Chrysene	14.02	228	27498	2.929	ng	# 93
88) Benzo(b)fluoranthene	15.03	252	33385	3.949	ng	# 67
89) Benzo(k)fluoranthene	15.03	252	33385	4.331	ng	# 67
90) Benzo(a)pyrene	15.39	252	19184	2.608	ng	# 75

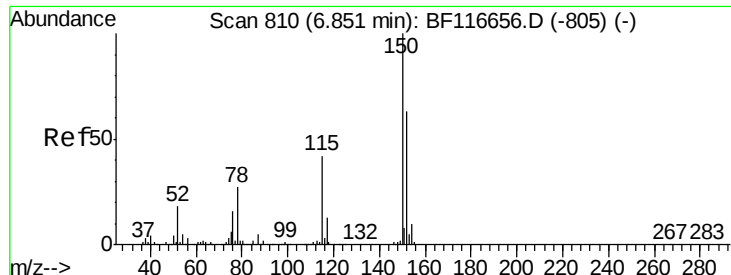
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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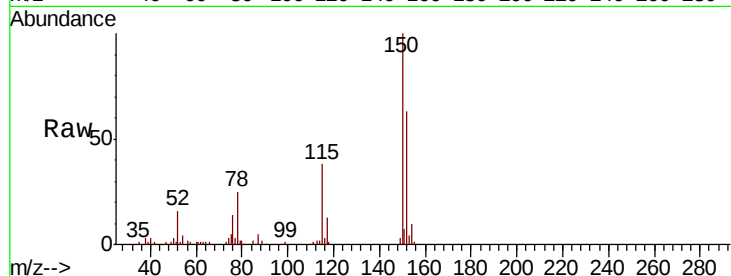


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF116824.D
Acq: 4 Sep 2019 19:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.4	186.6
115	61.0	49.9	74.9

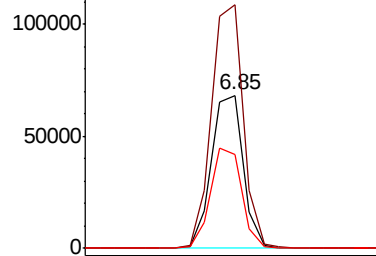


Abundance

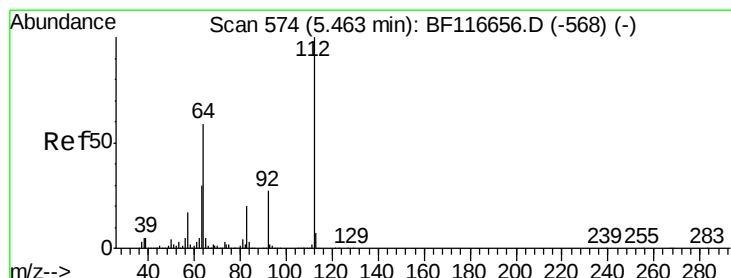
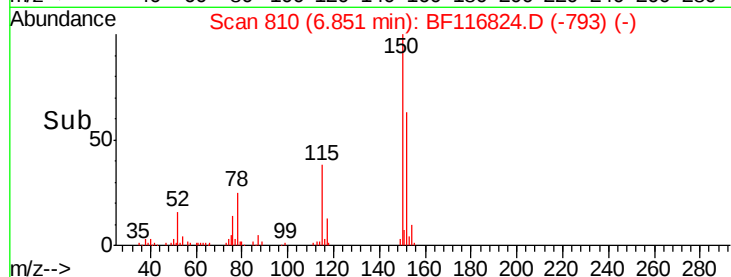
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



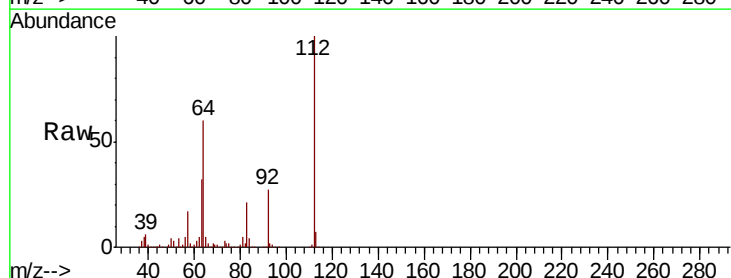
Time-->



#5

2-Fluorophenol
Concen: 89.243 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116824.D
Acq: 4 Sep 2019 19:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	47.1	70.7
63	32.2	24.9	37.3

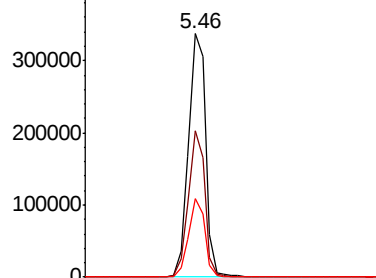


Abundance

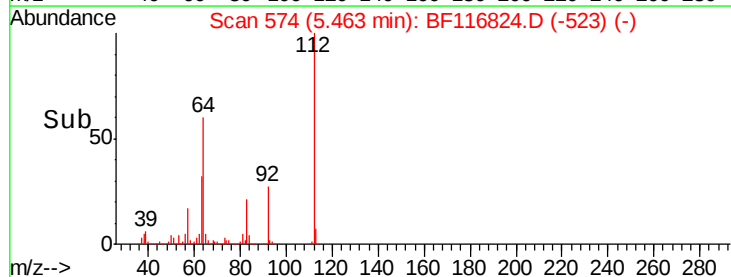
Ion 112.00 (111.70 to 112.70): E

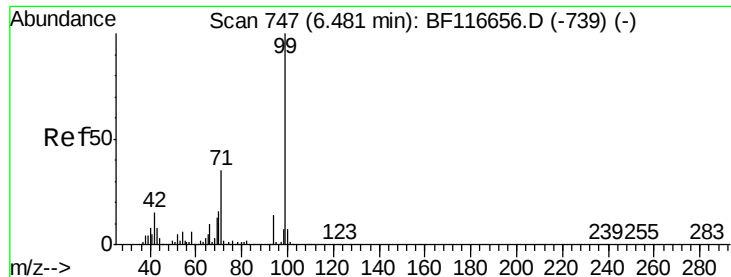
Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



Time-->





#7

Phenol-d6

Concen: 91.979 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116824.D

Acq: 4 Sep 2019 19:09

Instrument :

BNA_F

ClientSampleId :

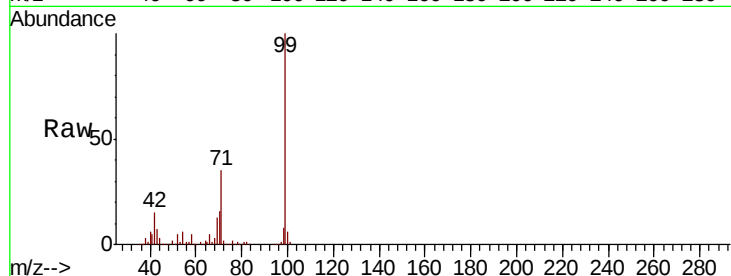
Tot Ion: 99 Resp: 444234

Ion Ratio Lower Upper

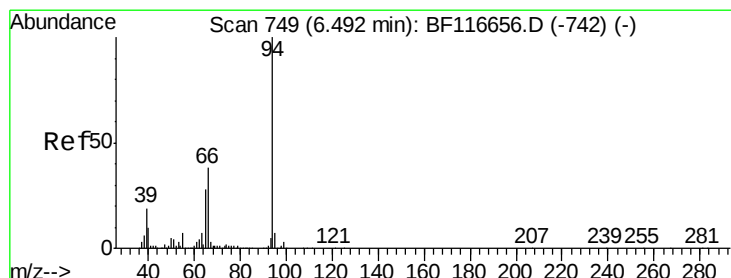
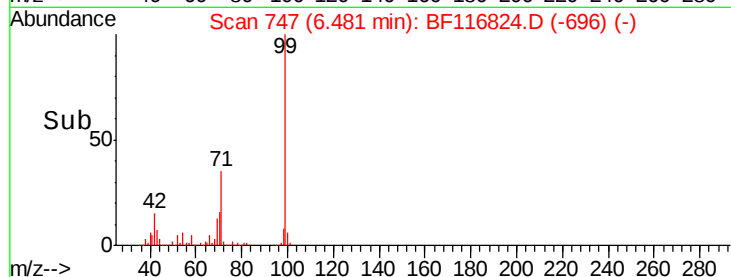
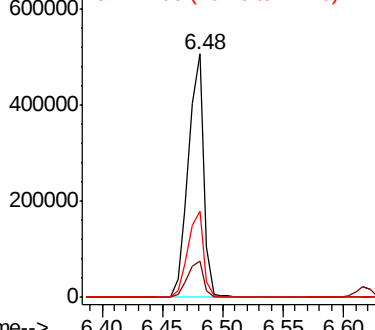
99 100

42 14.9 13.7 20.5

71 35.4 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: 2.563 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF116824.D

Acq: 4 Sep 2019 19:09

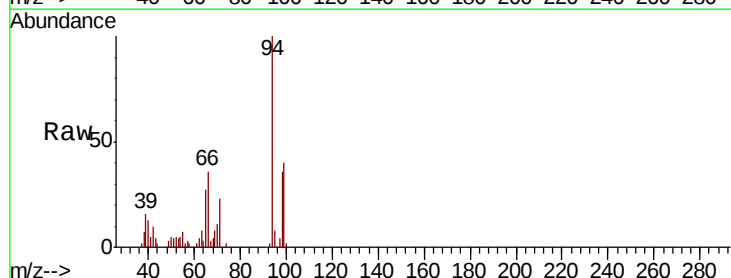
Tgt Ion: 94 Resp: 13708

Ion Ratio Lower Upper

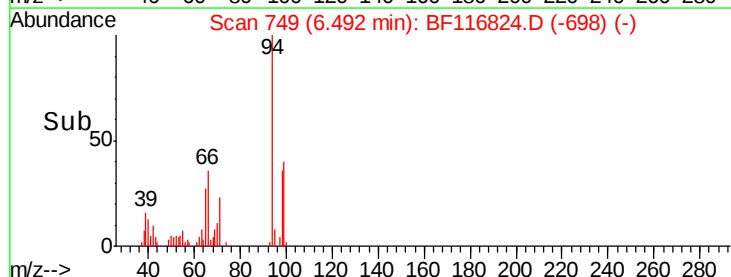
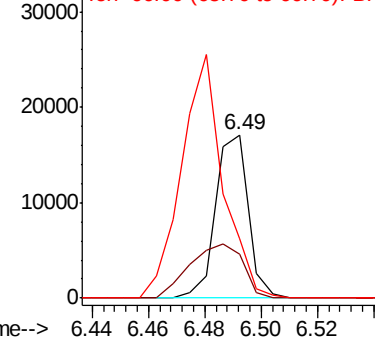
94 100

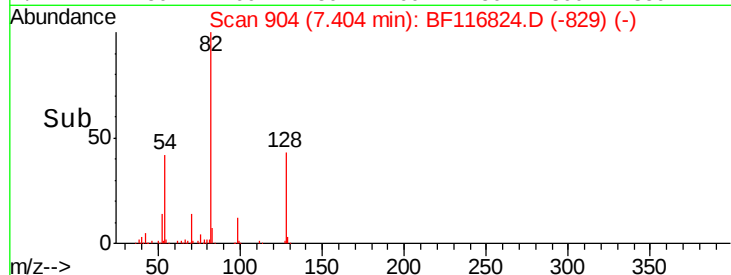
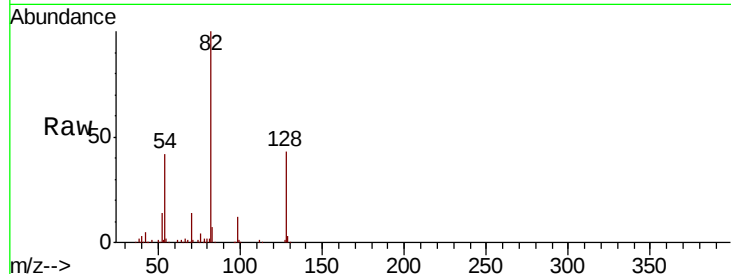
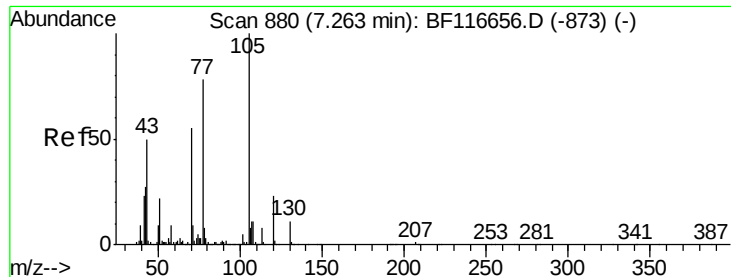
65 27.1 10.8 50.8

66 36.1 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

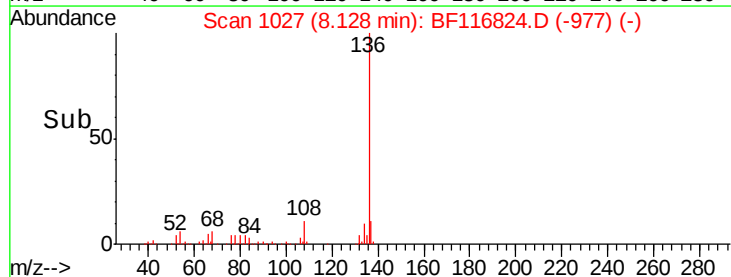
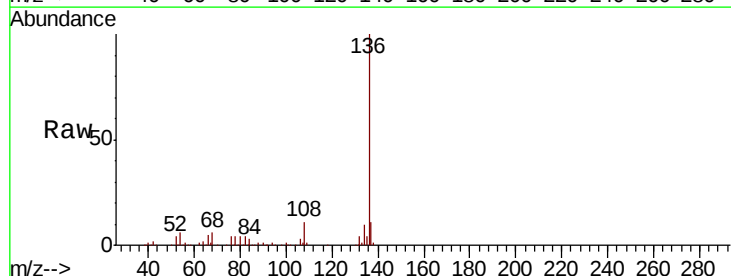
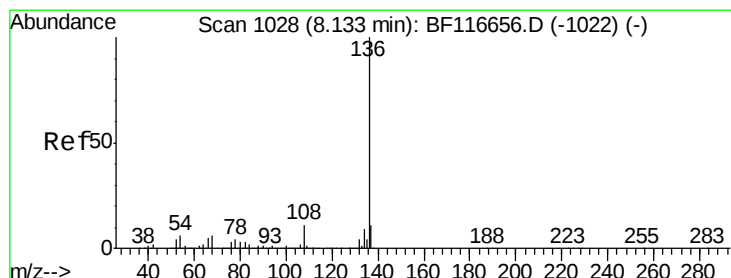
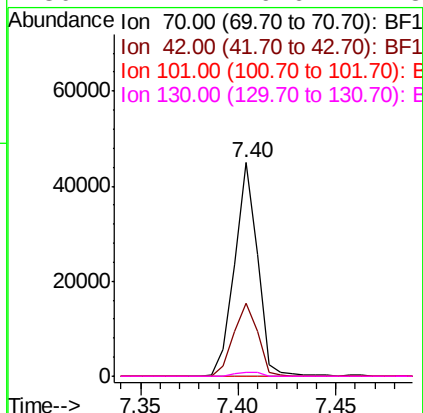




#19
n-Nitroso-di-n-propylamine
Concen: 11.645 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116824.D
Acq: 4 Sep 2019 19:09

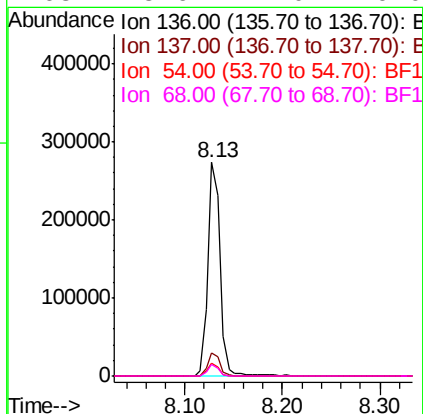
Instrument :
BNA_F
ClientSampleId :

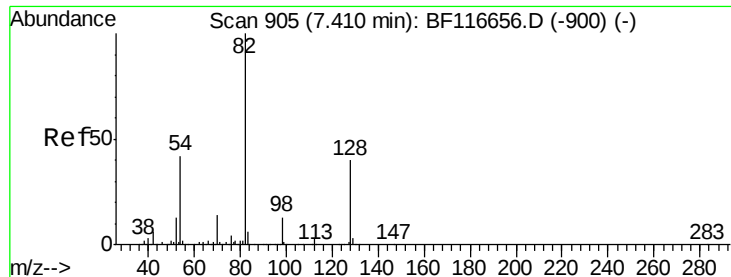
Tot Ion:	70	Resp:	37031
Ion	Ratio	Lower	Upper
70	100		
42	34.4	43.5	65.3#
101	0.0	7.8	11.6#
130	1.7	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116824.D
Acq: 4 Sep 2019 19:09

Tgt Ion:	136	Resp:	240000
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	5.8	4.8	7.2
68	5.6	4.0	6.0

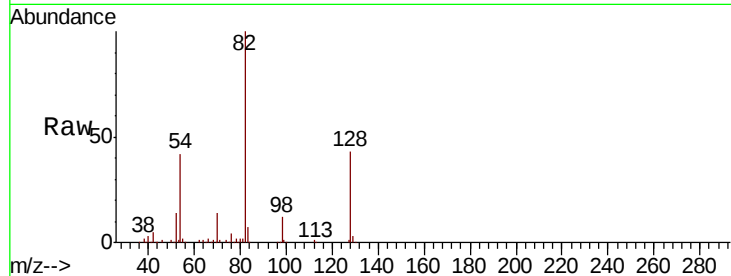




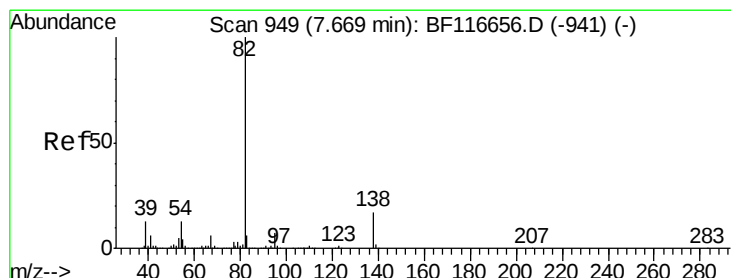
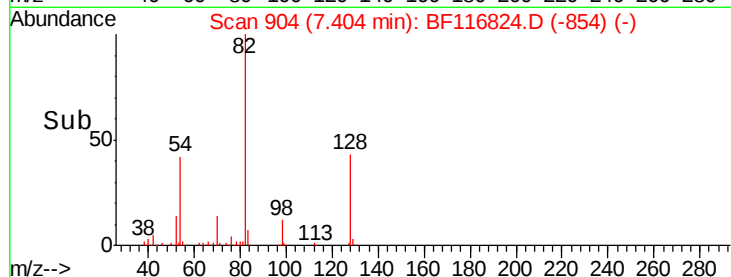
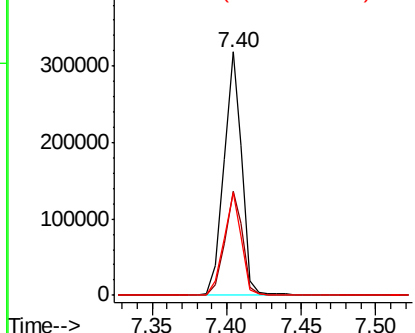
#23
Nitrobenzene-d5
Concen: 64.544 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116824.D
Acq: 4 Sep 2019 19:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	271347
Ion Ratio	Lower	Upper	
82	100		
128	42.6	32.8	49.2
54	42.0	36.9	55.3

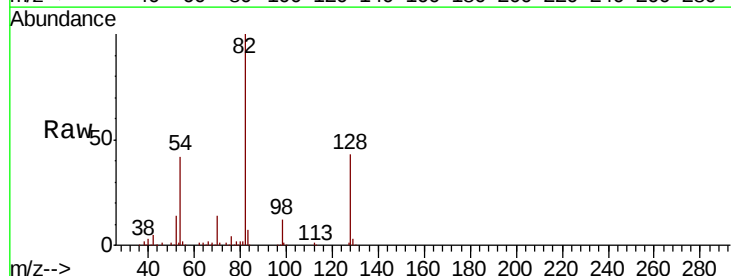


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

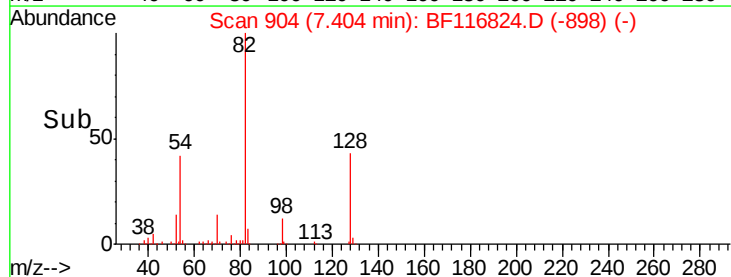
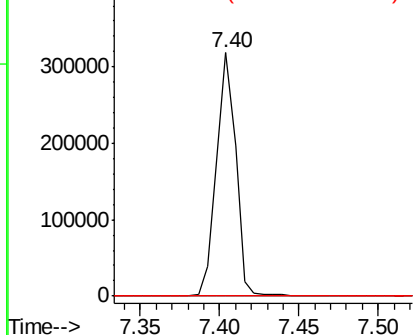


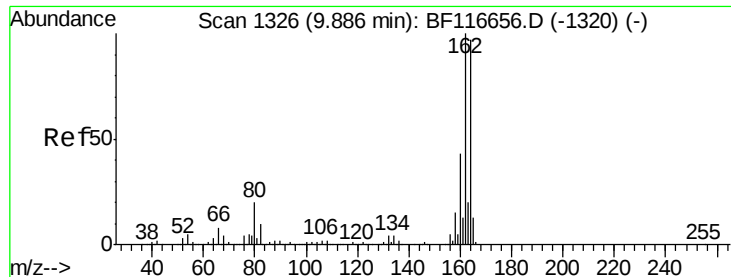
#25
Isophorone
Concen: 31.852 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.26 min
Lab File: BF116824.D
Acq: 4 Sep 2019 19:09

Tgt Ion	82	Resp	271341
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

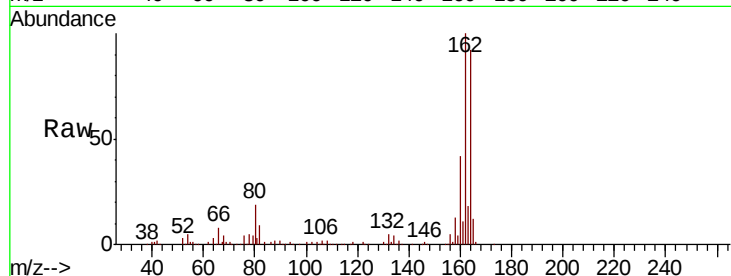




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116824.D
Acq: 4 Sep 2019 19:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	108.6	81.4	122.0
160	45.9	35.4	53.2

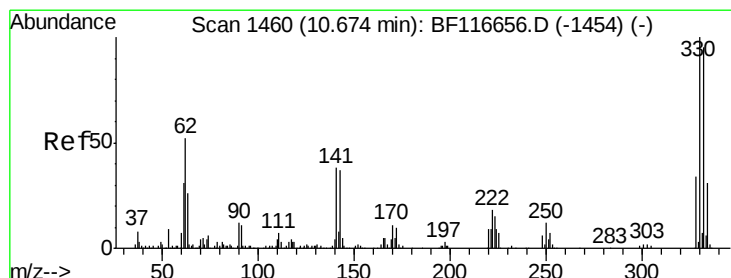
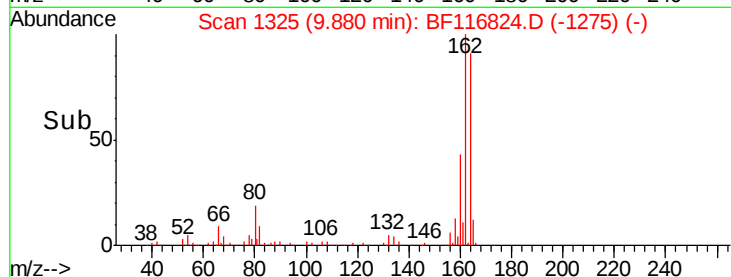
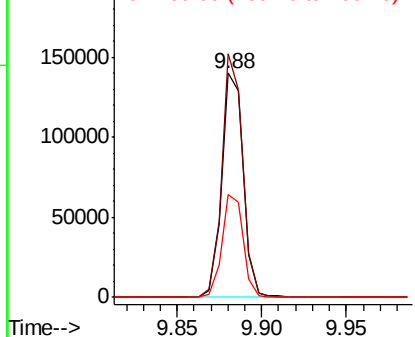


Abundance

Ion 164.00 (163.70 to 164.70): E

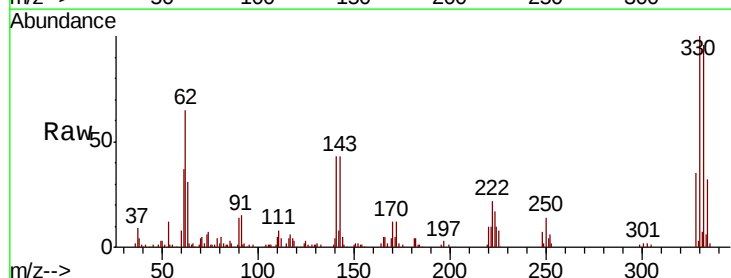
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 104.207 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116824.D
Acq: 4 Sep 2019 19:09

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.9	115.3
141	44.9	31.4	47.2

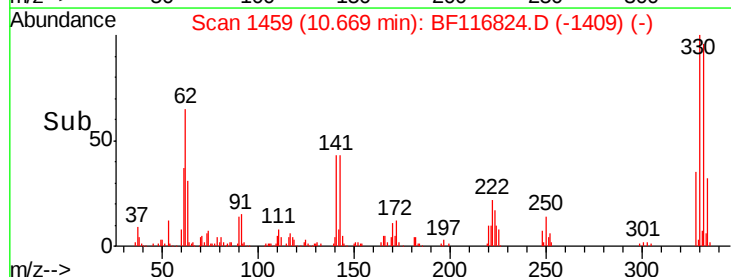
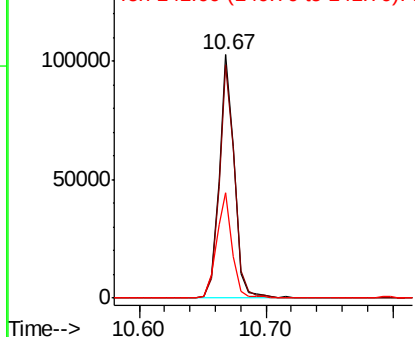


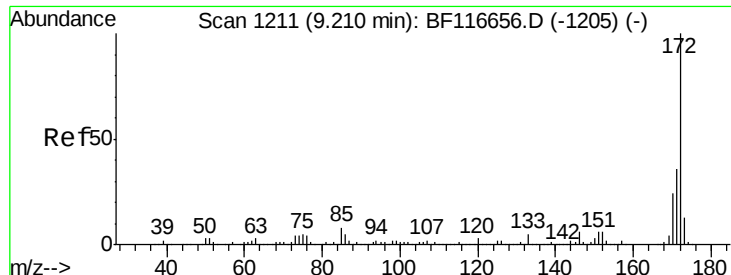
Abundance

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

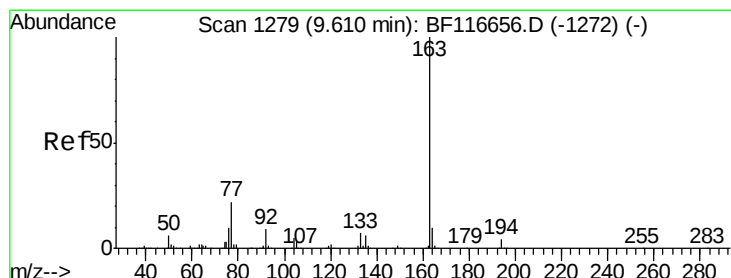
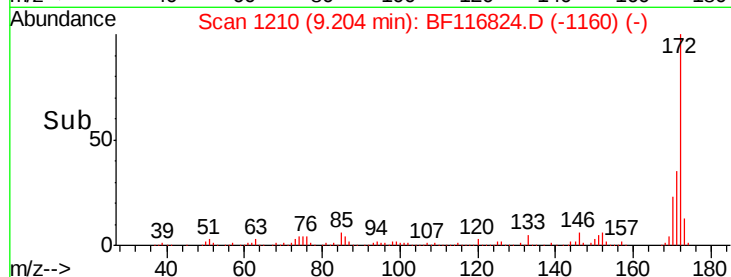
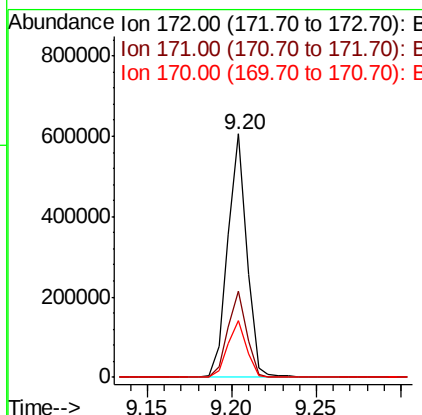
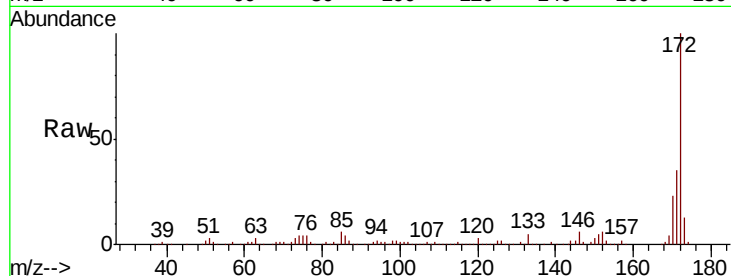




#45
 2-Fluorobiphenyl
 Concen: 64.124 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF116824.D
 Acq: 4 Sep 2019 19:09

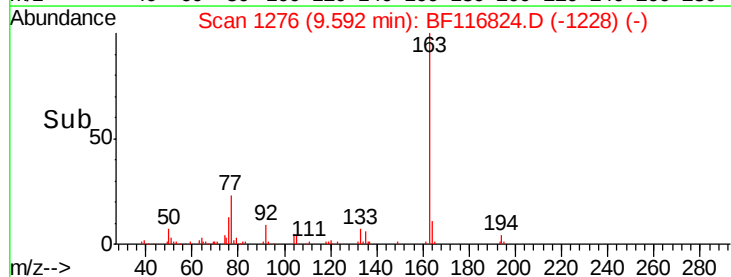
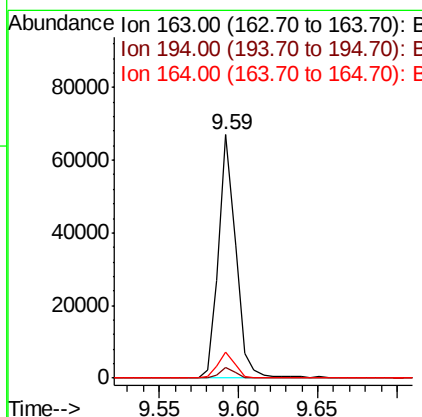
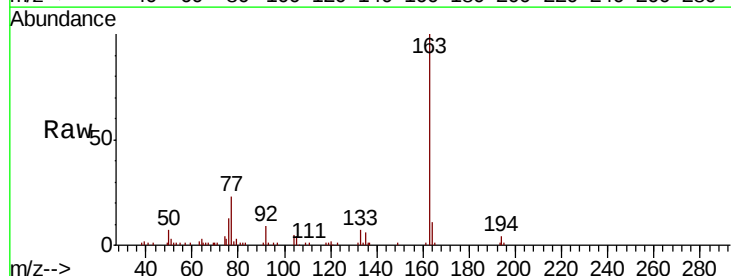
Instrument :
 BNA_F
 ClientSampleId :

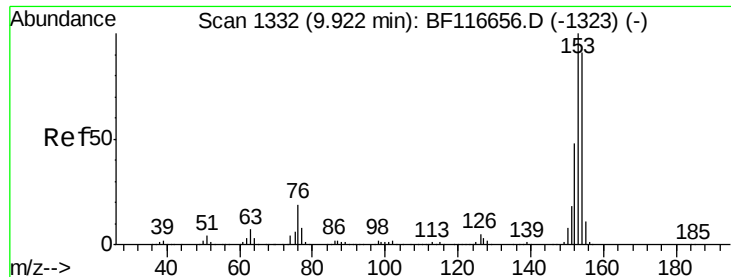
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.8	41.6
170	23.3	18.9	28.3



#50
 Dimethylphthalate
 Concen: 5.923 ng
 RT: 9.59 min Scan# 1276
 Delta R.T. -0.02 min
 Lab File: BF116824.D
 Acq: 4 Sep 2019 19:09

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	2.8	4.2#
164	10.7	8.6	12.8





#52

Acenaphthene

Concen: 3.176 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF116824.D

Acq: 4 Sep 2019 19:09

Instrument :

BNA_F

ClientSampleId :

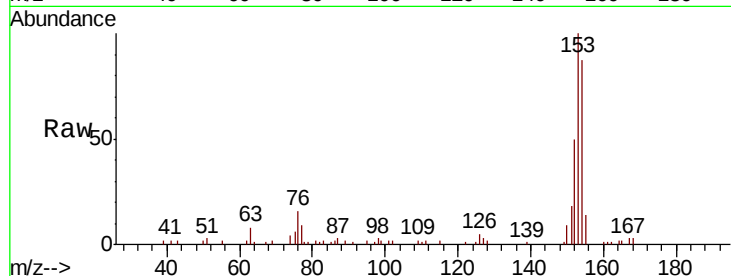
Tot Ion:154 Resp: 22070

Ion Ratio Lower Upper

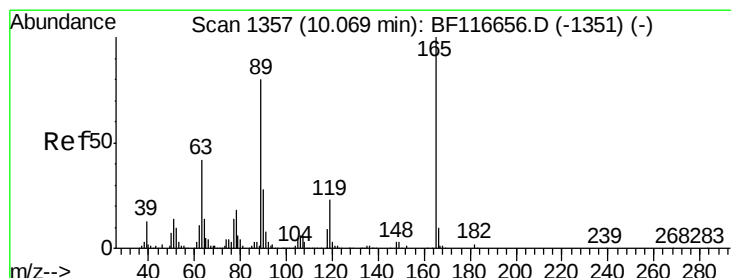
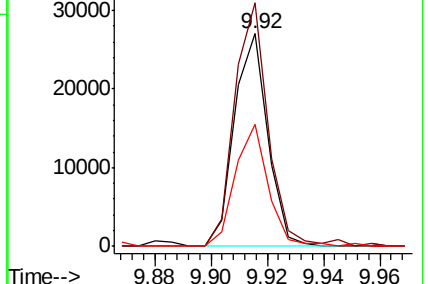
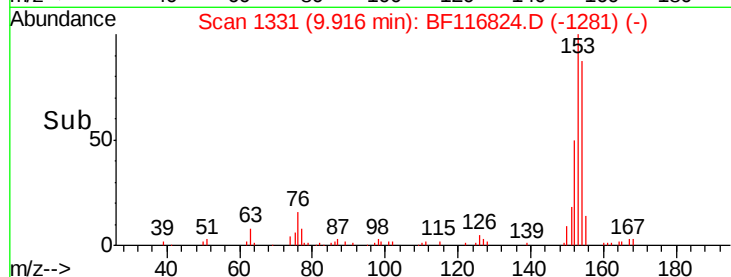
154 100

153 114.7 89.5 134.3

152 57.5 41.9 62.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

2,4-Dinitrotoluene

Concen: 8.274 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF116824.D

Acq: 4 Sep 2019 19:09

Tgt Ion:165 Resp: 16590

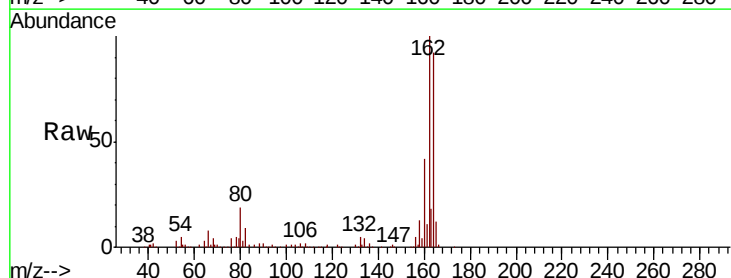
Ion Ratio Lower Upper

165 100

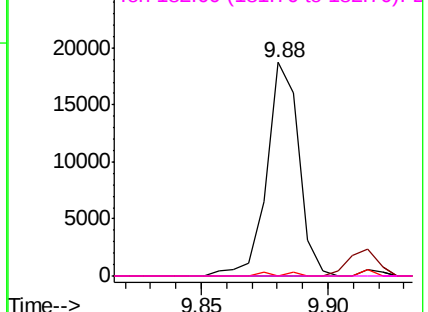
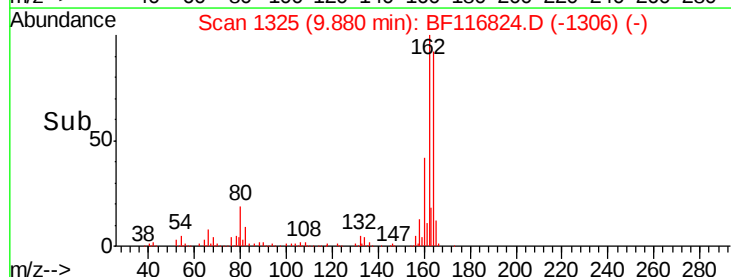
63 0.0 36.4 54.6#

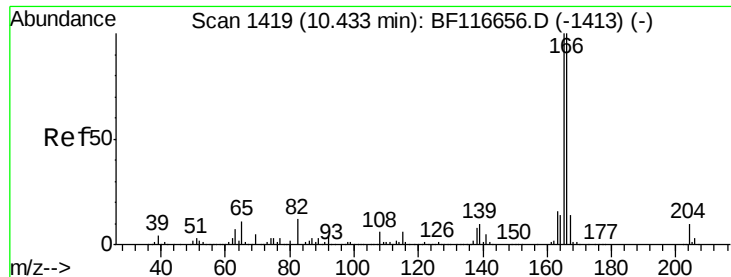
89 0.0 62.6 94.0#

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

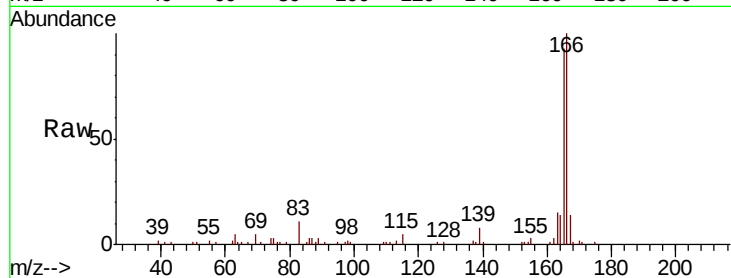




#58
 Fluorene
 Concen: 4.671 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: BF116824.D
 Acq: 4 Sep 2019 19:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
166	100		
165	93.4	78.8	118.2
167	14.0	10.0	15.0

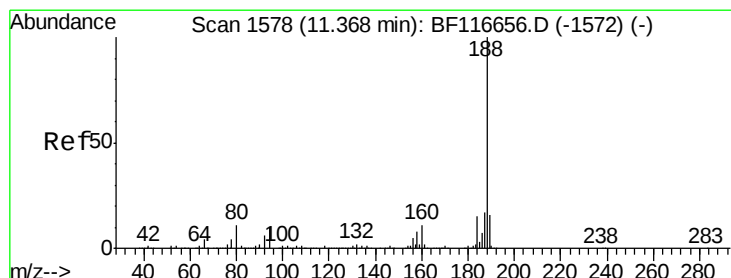
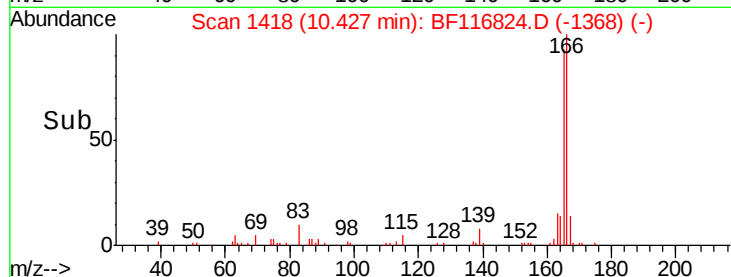
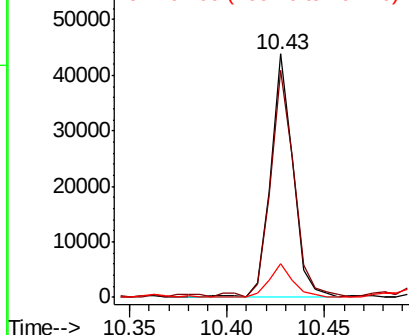


Abundance

Ion 166.00 (165.70 to 166.70): E

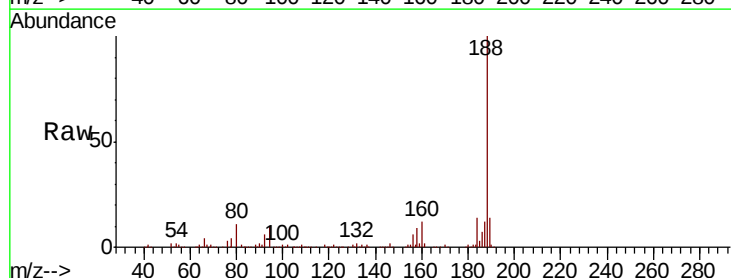
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF116824.D
 Acq: 4 Sep 2019 19:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.3	10.9
80	11.1	8.4	12.6

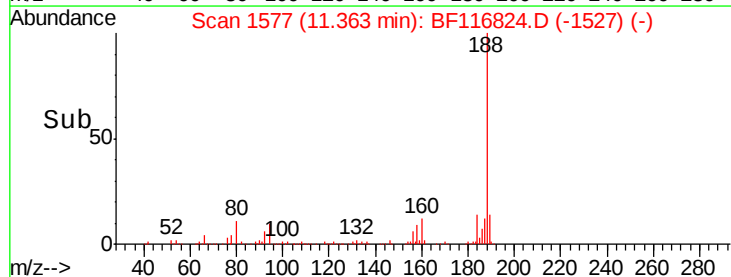
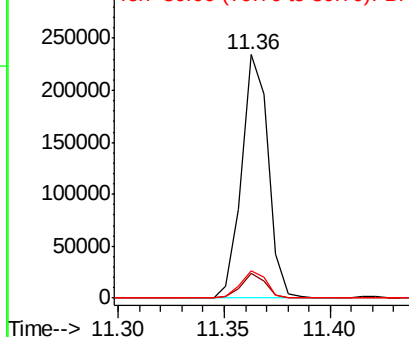


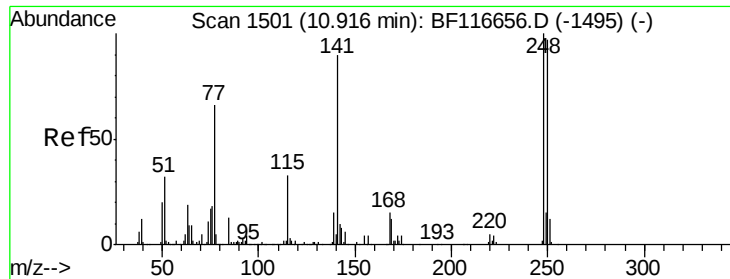
Abundance

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

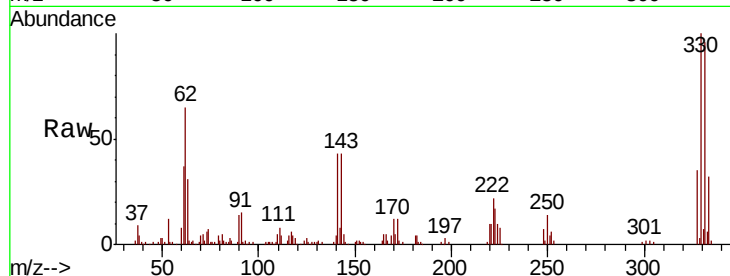




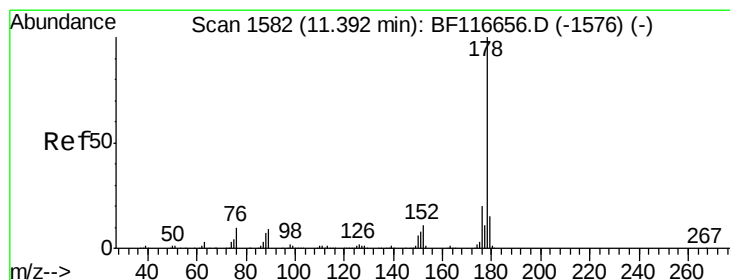
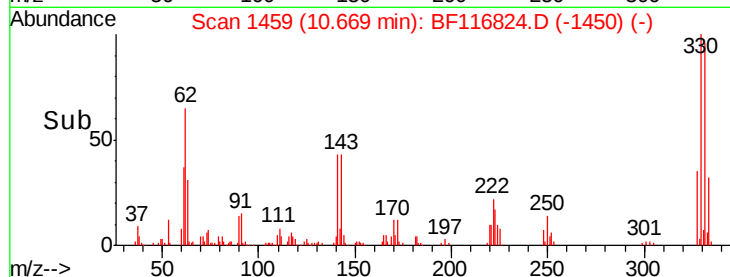
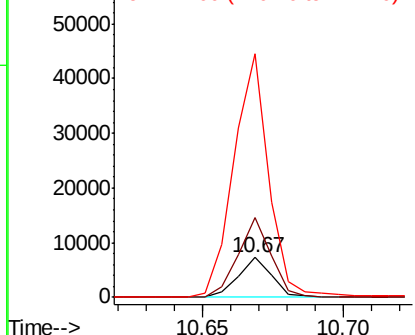
#67
 4-Bromophenyl-phenylether
 Concen: 2.953 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF116824.D
 Acq: 4 Sep 2019 19:09

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 6115
 Ion Ratio Lower Upper
 248 100
 250 199.7 77.8 116.8#
 141 613.9 75.9 113.9#

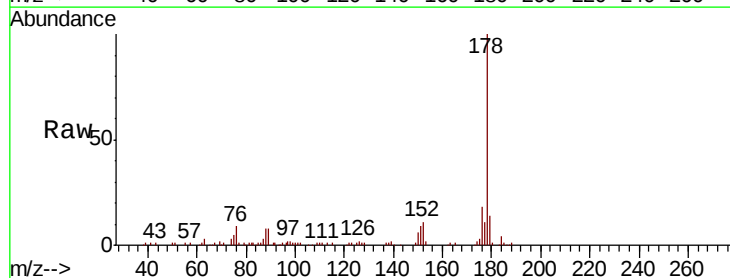


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

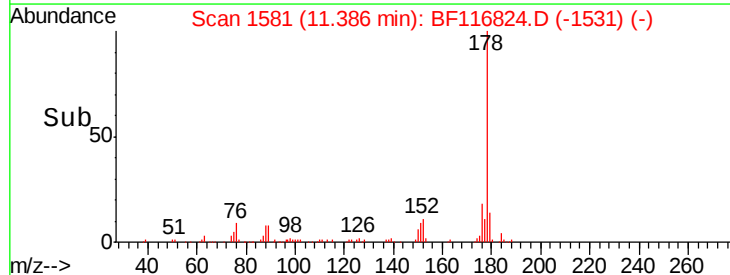
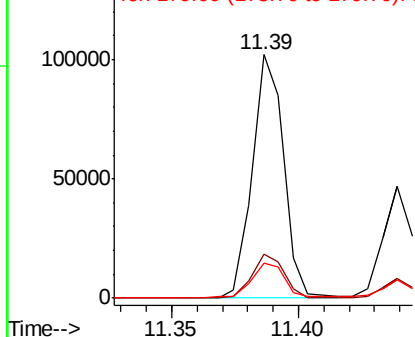


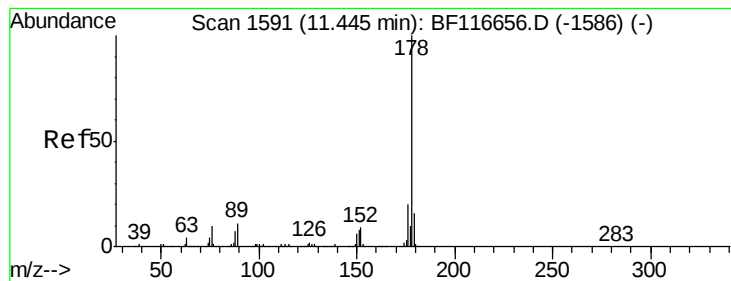
#71
 Phenanthrene
 Concen: 7.766 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF116824.D
 Acq: 4 Sep 2019 19:09

Tgt Ion:178 Resp: 88132
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.4 23.0
 179 14.3 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





#72

Anthracene

Concen: 3.278 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.00 min

Lab File: BF116824.D

Acq: 4 Sep 2019 19:09

Instrument :

BNA_F

ClientSampleId :

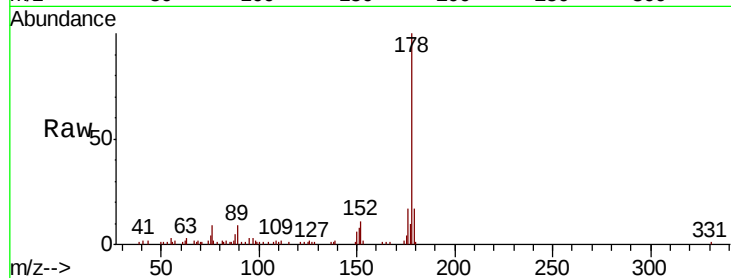
Tot Ion:178 Resp: 37446

Ion Ratio Lower Upper

178 100

176 17.1 15.4 23.0

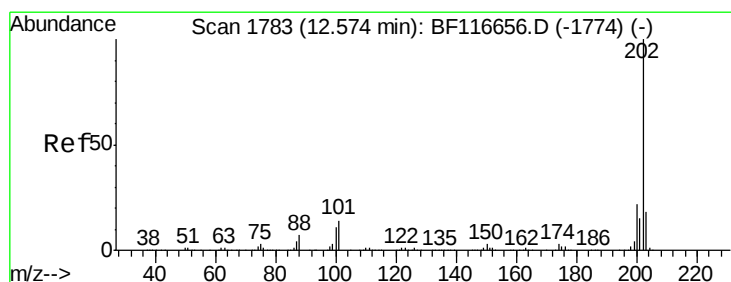
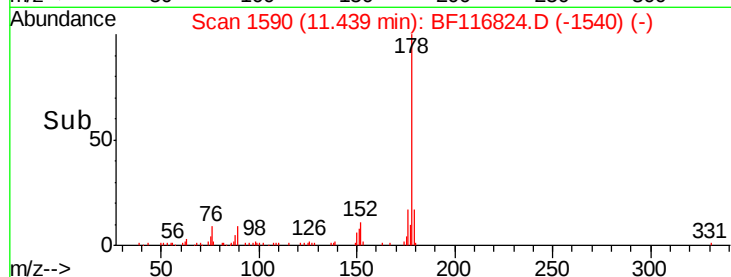
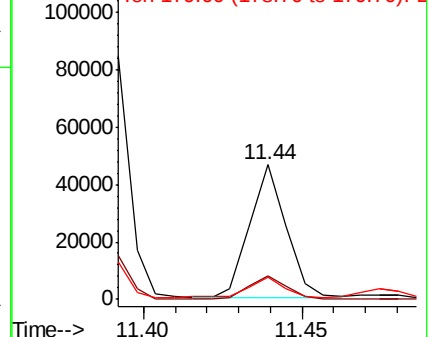
179 16.6 12.5 18.7



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: 9.648 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF116824.D

Acq: 4 Sep 2019 19:09

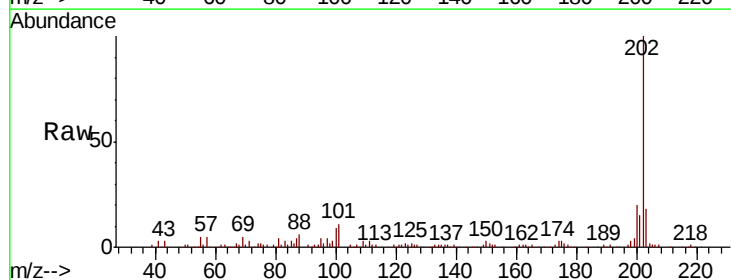
Tgt Ion:202 Resp: 107603

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.3

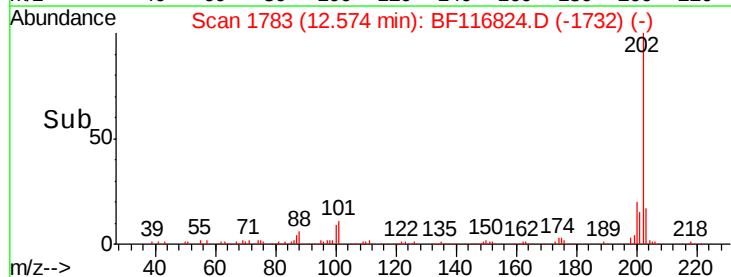
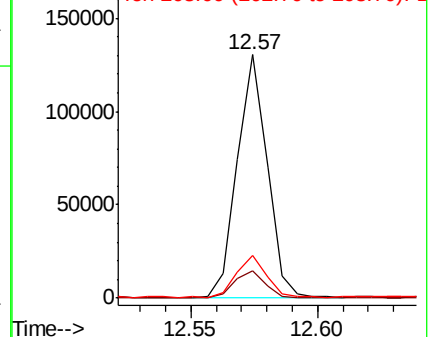
203 17.6 0.0 37.6

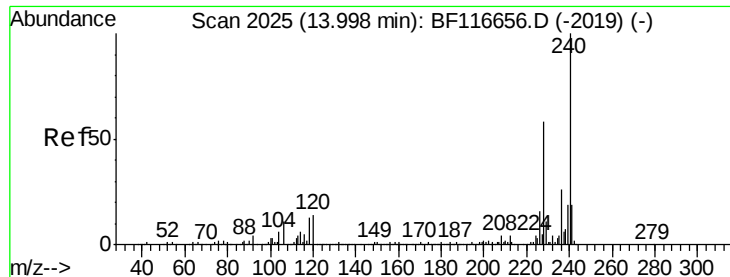


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

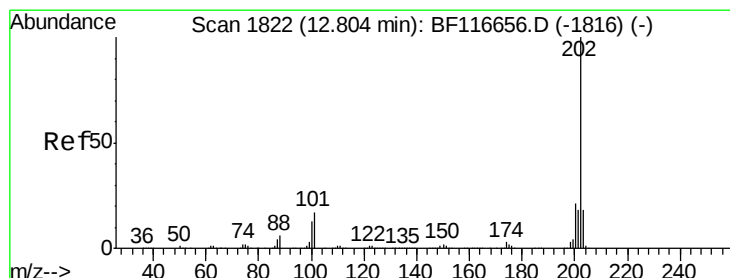
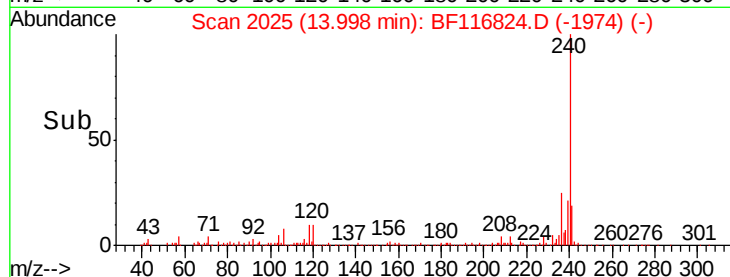
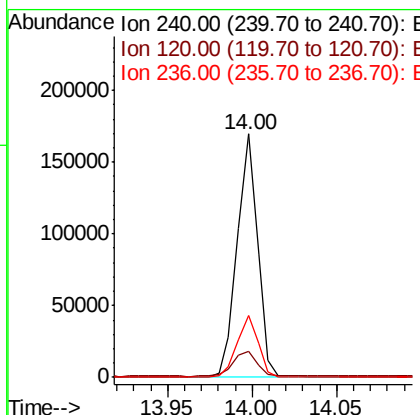
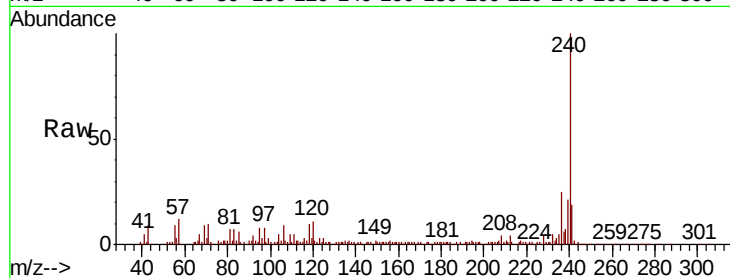




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF116824.D
Acq: 4 Sep 2019 19:09

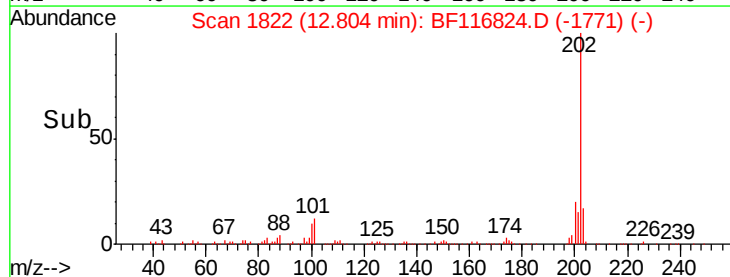
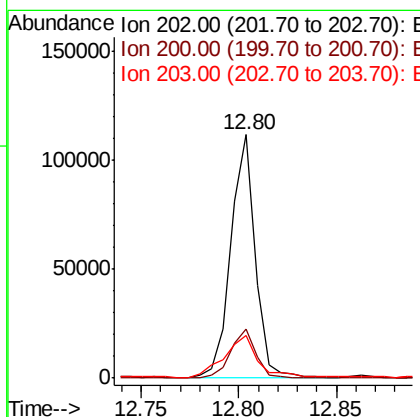
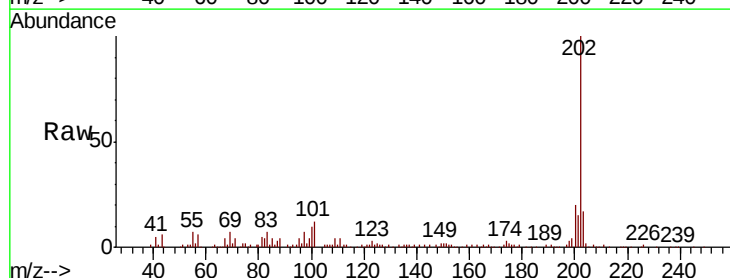
Instrument :
BNA_F
ClientSampleId :

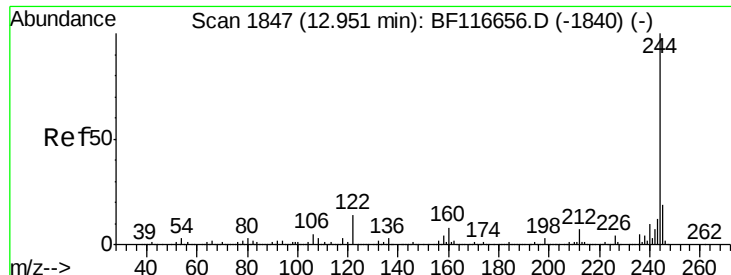
Tot Ion:240 Resp: 143983
Ion Ratio Lower Upper
240 100
120 10.5 9.1 13.7
236 25.3 21.1 31.7



#78
Pyrene
Concen: 7.621 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF116824.D
Acq: 4 Sep 2019 19:09

Tgt Ion:202 Resp: 97540
Ion Ratio Lower Upper
202 100
200 19.9 16.5 24.7
203 17.5 13.7 20.5

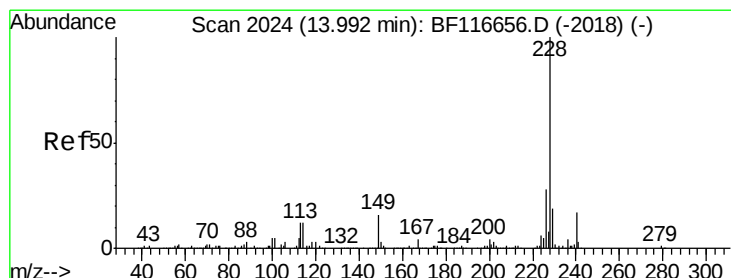
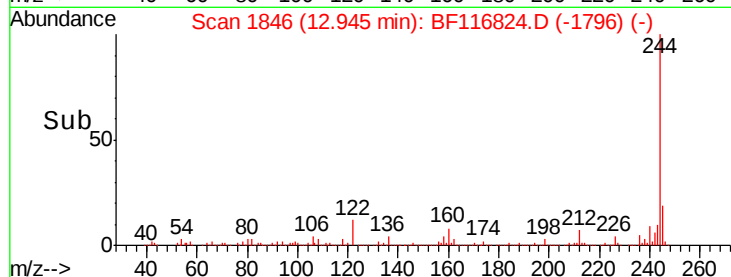
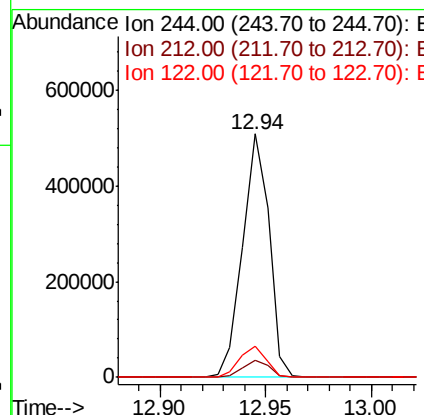
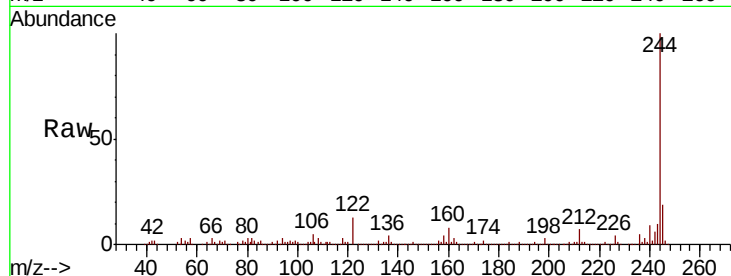




#79
 Terphenyl-d14
 Concen: 56.889 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116824.D
 Acq: 4 Sep 2019 19:09

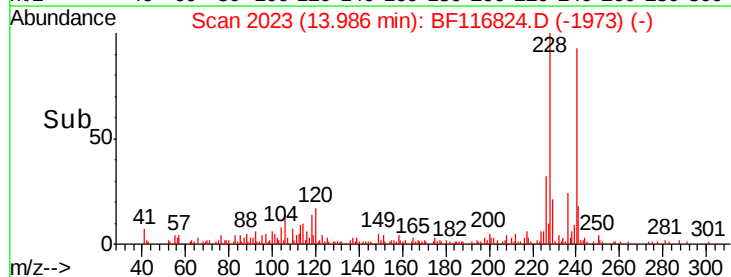
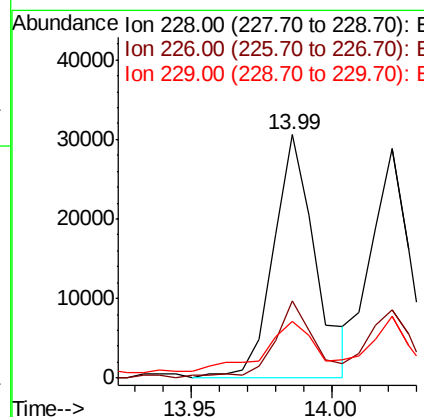
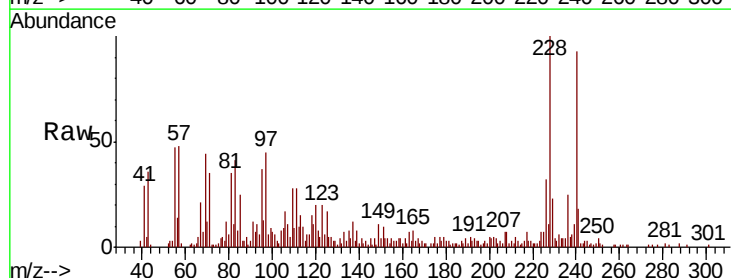
Instrument :
 BNA_F
 ClientSampleId :

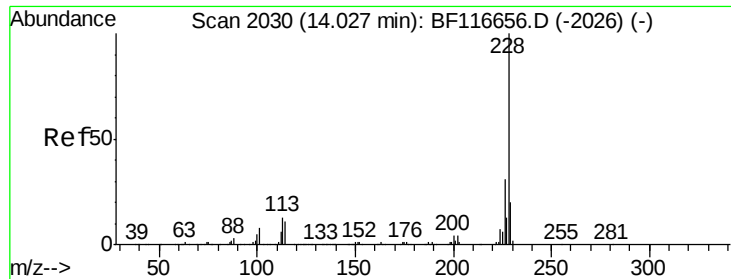
Tot Ion:244 Resp: 442775
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 12.6 10.2 15.4



#81
 Benzo(a)anthracene
 Concen: 3.457 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF116824.D
 Acq: 4 Sep 2019 19:09

Tgt Ion:228 Resp: 31504
 Ion Ratio Lower Upper
 228 100
 226 31.5 22.0 33.0
 229 23.2 16.4 24.6

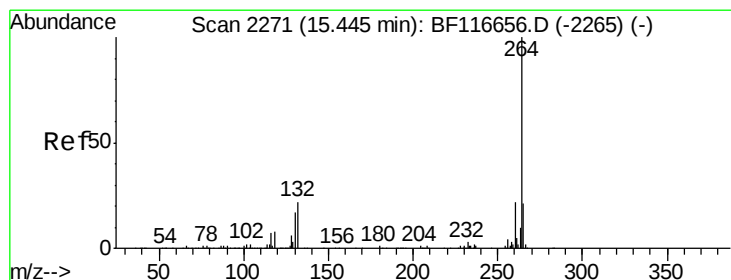
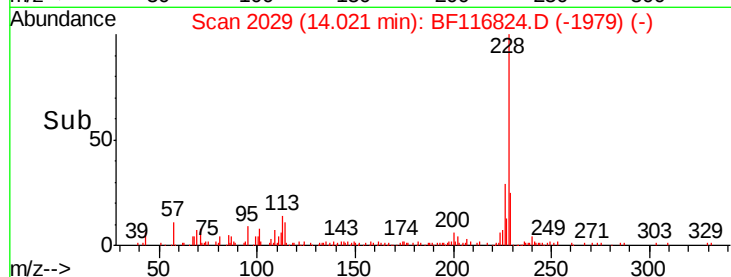
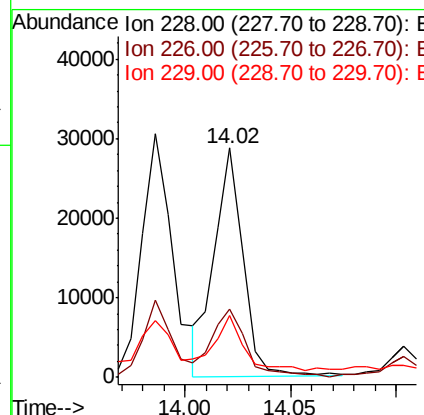
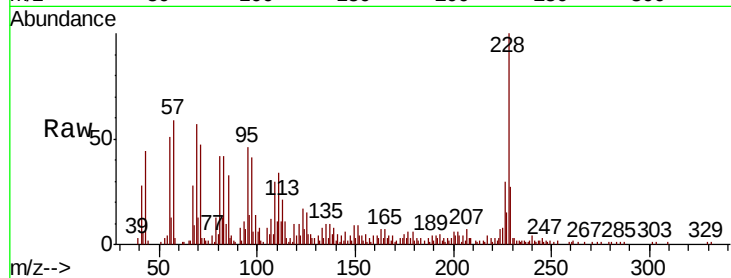




#83
Chrysene
Concen: 2.929 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF116824.D
Acq: 4 Sep 2019 19:09

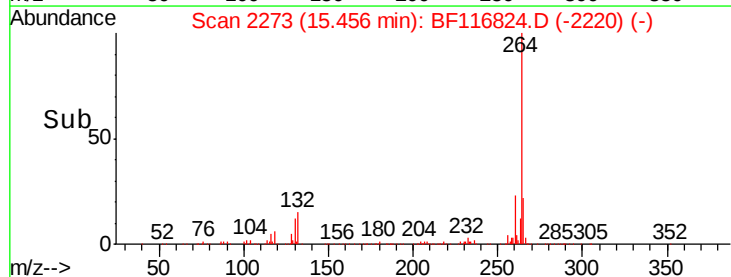
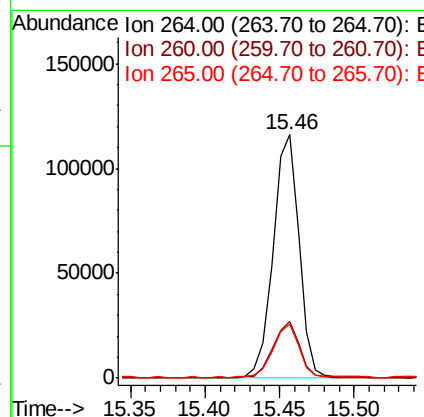
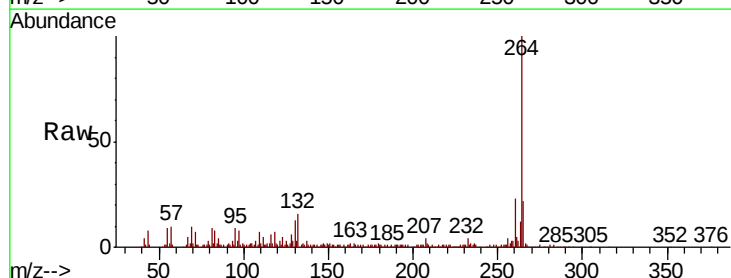
Instrument :
BNA_F
ClientSampleId :

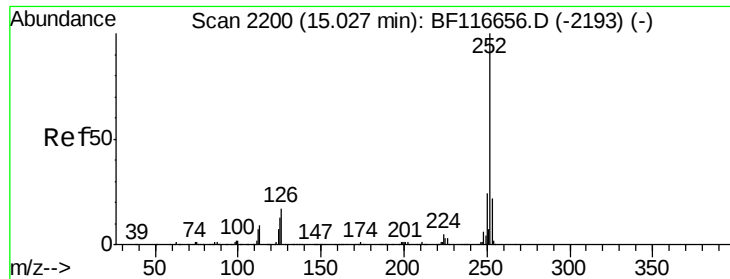
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.0	36.0
229	27.1	15.4	23.0



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF116824.D
Acq: 4 Sep 2019 19:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.3	27.5
265	22.0	16.5	24.7

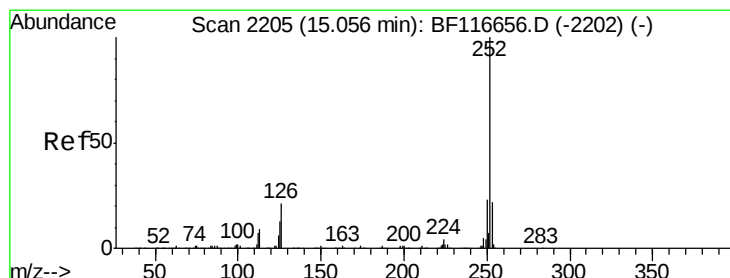
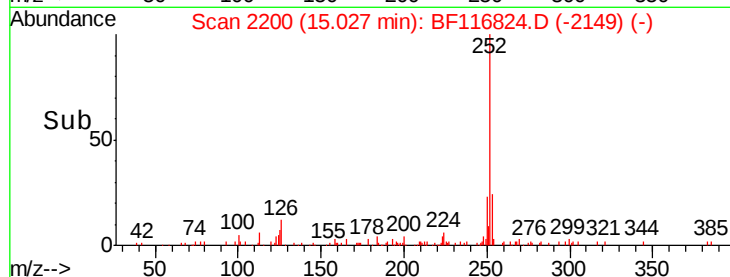
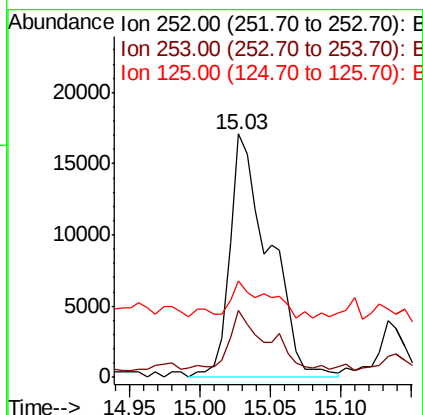
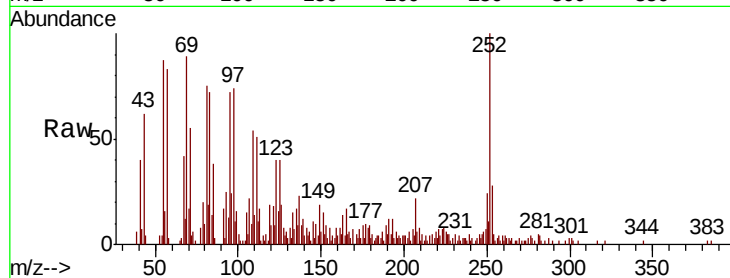




#88
Benzo(b)fluoranthene
Concen: 3.949 ng
RT: 15.03 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BF116824.D
Acq: 4 Sep 2019 19:09

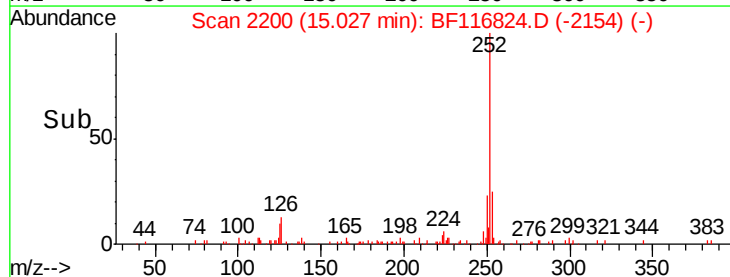
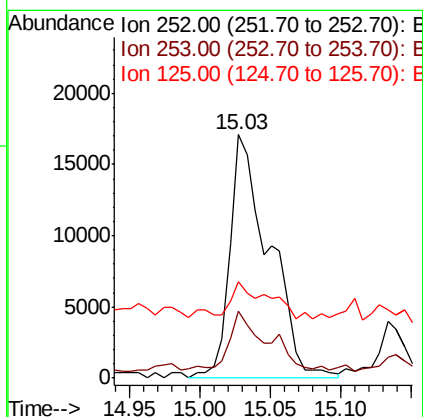
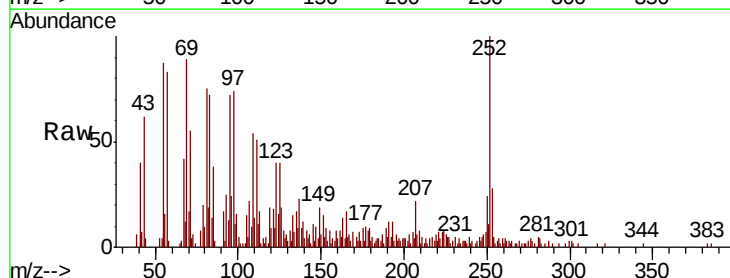
Instrument :
BNA_F
ClientSampleId :

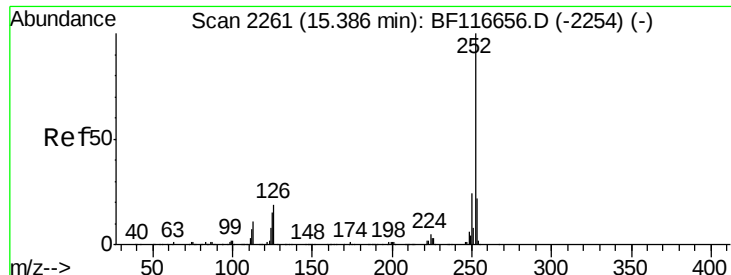
Tot Ion:252 Resp: 33385
Ion Ratio Lower Upper
252 100
253 27.5 17.7 26.5#
125 39.8 8.2 12.2#



#89
Benzo(k)fluoranthene
Concen: 4.331 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.03 min
Lab File: BF116824.D
Acq: 4 Sep 2019 19:09

Tgt Ion:252 Resp: 33385
Ion Ratio Lower Upper
252 100
253 27.5 17.7 26.5#
125 39.8 8.6 13.0#





#90

Benzo(a)pyrene

Concen: 2.608 ng

RT: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF116824.D

Acq: 4 Sep 2019 19:09

Instrument :

BNA_F

ClientSampleId :

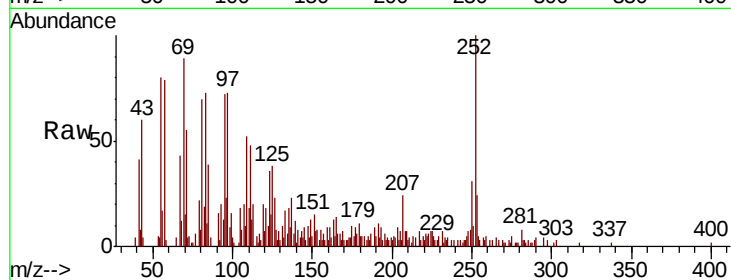
Tot Ion: 252 Resp: 19184

Ion Ratio Lower Upper

252 100

253 23.9 18.1 27.1

125 37.9 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

