

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
 Data File : BF110405.D
 Acq On : 2 Nov 2018 12:08
 Operator : JU/SJ
 Sample : J5741-19
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 02 22:55:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	79062	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	317329	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	147538	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	254300	20.00	ng	0.00
76) Chrysene-d12	14.13	240	154166	20.00	ng	0.00
87) Perylene-d12	15.66	264	162546	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	510423	105.13	ng	0.00
7) Phenol-d6	6.58	99	648364	104.41	ng	0.00
23) Nitrobenzene-d5	7.52	82	411887	76.99	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	137628	94.17	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	744000	79.18	ng	0.00
79) Terphenyl-d14	13.07	244	555693	74.96	ng	0.00

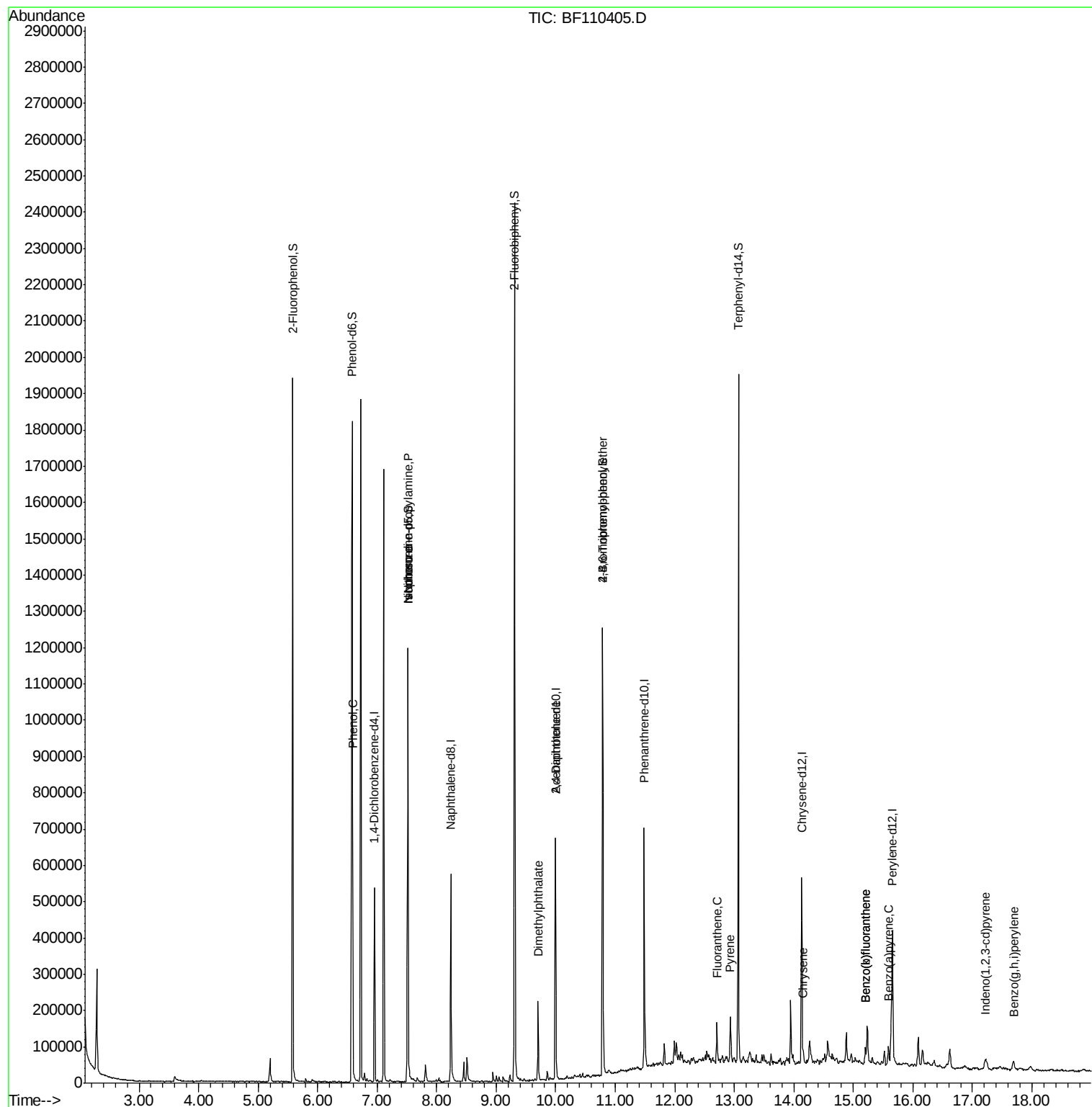
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.58	77	1344	Below Cal		# 1
10) Phenol	6.59	94	41230	6.211	ng	# 63
19) n-Nitroso-di-n-propylamine	7.52	70	52496	13.177	ng	# 80
25) Isophorone	7.52	82	411884	45.164	ng	# 67
50) Dimethylphthalate	9.70	163	101502	9.320	ng	99
57) 2,4-Dinitrotoluene	9.99	165	18290	6.138	ng	# 19
67) 4-Bromophenyl-phenylether	10.79	248	9409	3.411	ng	# 1
75) Fluoranthene	12.70	202	28426	2.105	ng	99
78) Pyrene	12.93	202	42423	3.838	ng	98
83) Chrysene	14.16	228	20713	2.385	ng	97
86) Indeno(1,2,3-cd)pyrene	17.22	276	16736	2.323	ng	98
88) Benzo(b)fluoranthene	15.20	252	31084	3.312	ng	# 92
89) Benzo(k)fluoranthene	15.20	252	31084	3.369	ng	# 92
90) Benzo(a)pyrene	15.59	252	20296	2.350	ng	97
92) Benzo(a,h,i)perylene	17.69	276	18635	2.538	ng	96

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

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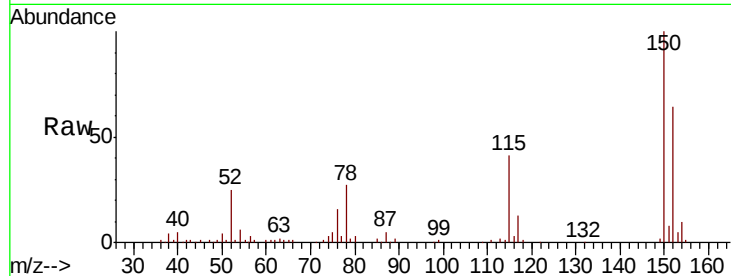


#1

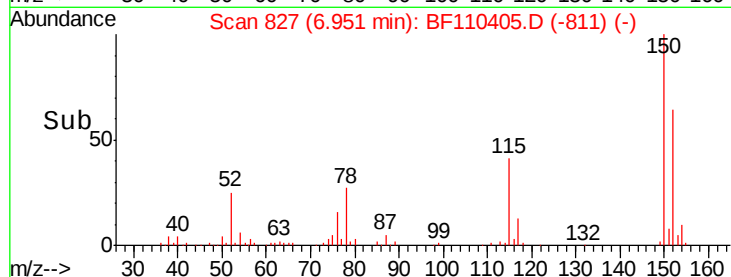
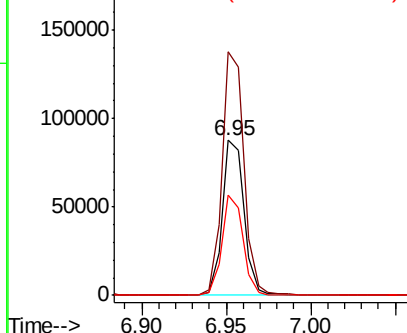
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF110405.D
Acq: 2 Nov 2018 12:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 79062
Ion Ratio Lower Upper
152 100
150 157.2 122.7 184.1
115 64.4 49.1 73.7



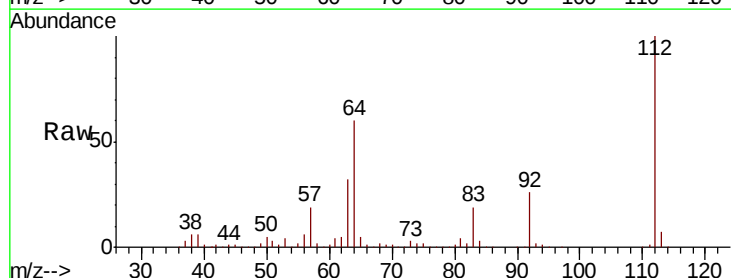
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



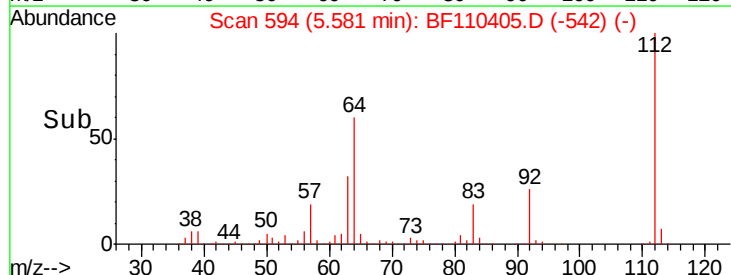
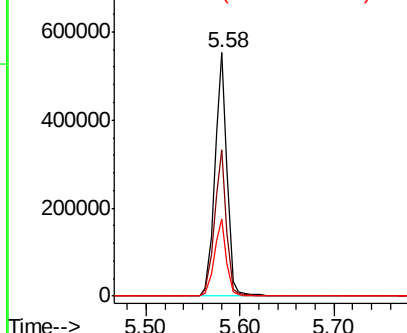
#5

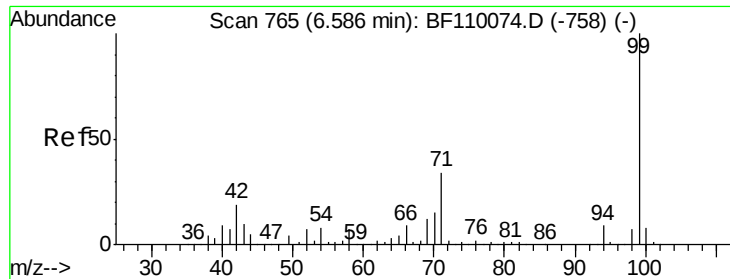
2-Fluorophenol
Concen: 105.133 ng
RT: 5.58 min Scan# 594
Delta R.T. 0.01 min
Lab File: BF110405.D
Acq: 2 Nov 2018 12:08

Tgt Ion:112 Resp: 510423
Ion Ratio Lower Upper
112 100
64 59.9 44.1 66.1
63 31.7 23.7 35.5



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: 104.407 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF110405.D

Acq: 2 Nov 2018 12:08

Instrument :

BNA_F

ClientSampleId :

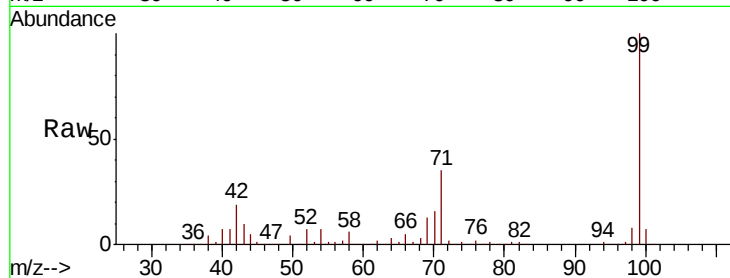
Tot Ion: 99 Resp: 648364

Ion Ratio Lower Upper

99 100

42 18.7 15.8 23.6

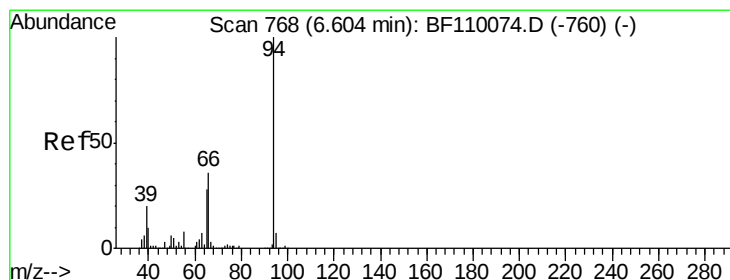
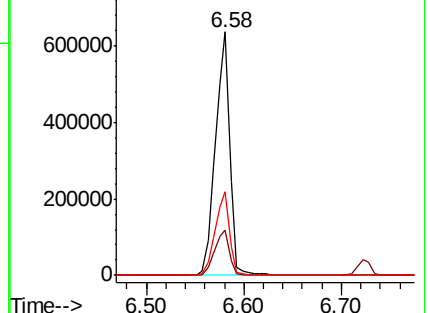
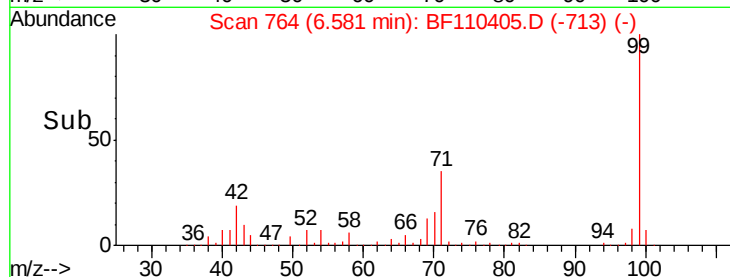
71 34.5 28.0 42.0



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: 6.211 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110405.D

Acq: 2 Nov 2018 12:08

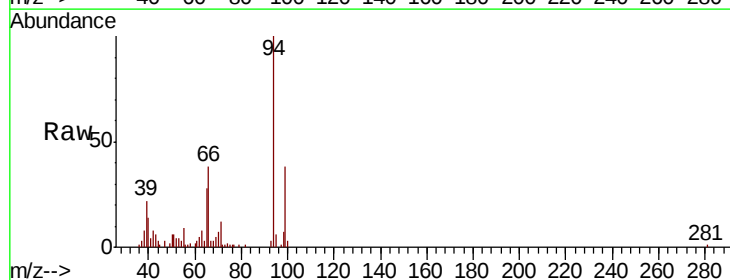
Tgt Ion: 94 Resp: 41230

Ion Ratio Lower Upper

94 100

65 27.8 25.3 65.3

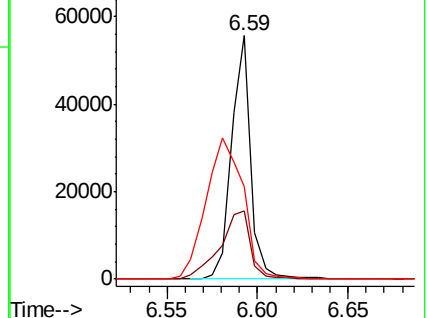
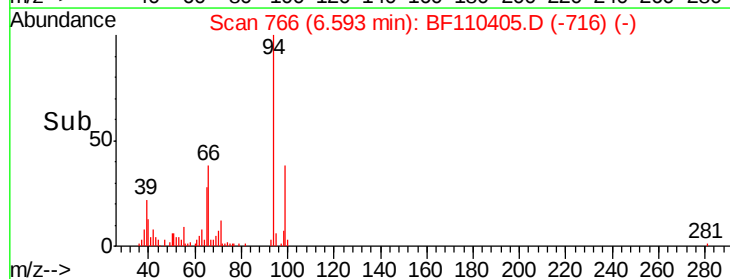
66 37.8 54.5 94.5#



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

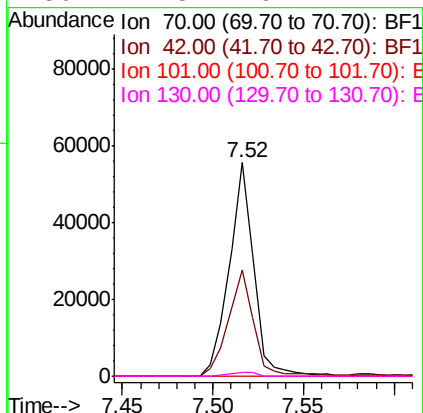
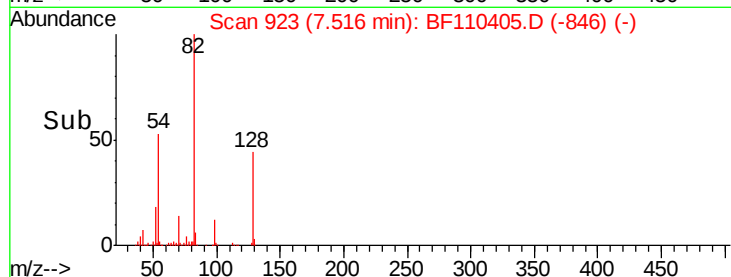
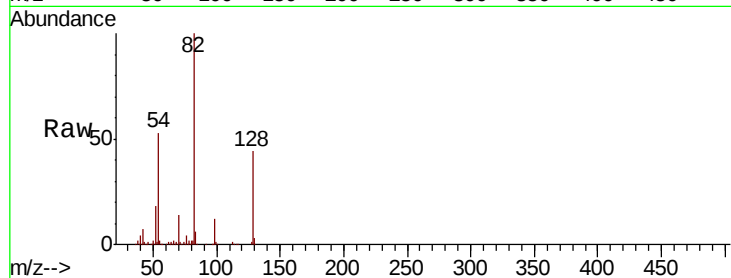




#19
n-Nitroso-di-n-propylamine
Concen: 13.177 ng
RT: 7.52 min Scan# 923
Delta R.T. 0.15 min
Lab File: BF110405.D
Acq: 2 Nov 2018 12:08

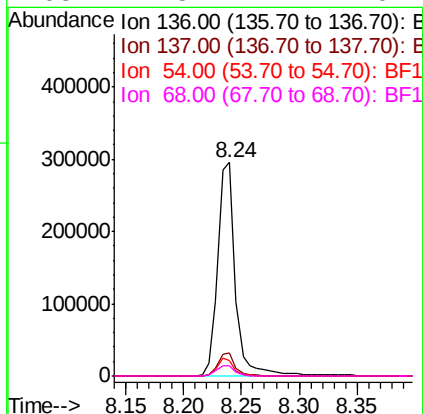
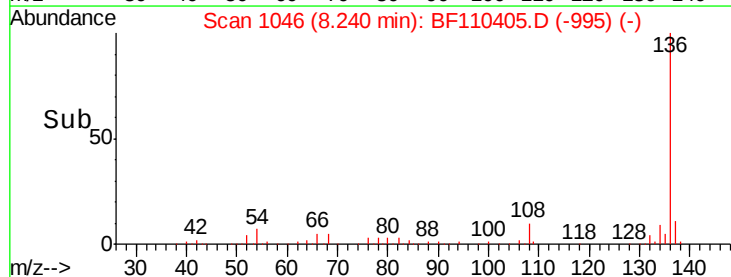
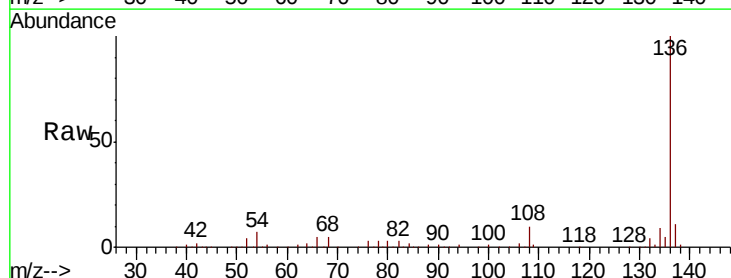
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 52496
Ion Ratio Lower Upper
70 100
42 49.6 47.4 71.2
101 0.0 7.3 10.9#
130 1.8 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF110405.D
Acq: 2 Nov 2018 12:08

Tgt Ion: 136 Resp: 317329
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.2 5.4 8.2
68 4.8 4.2 6.2

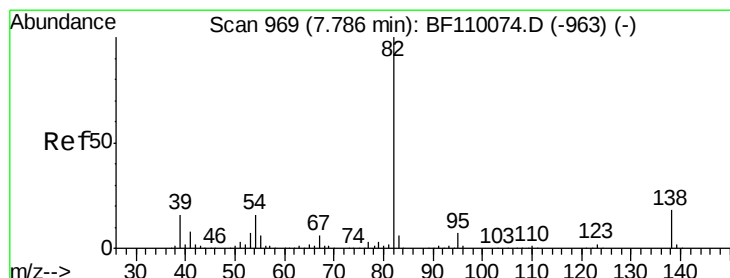
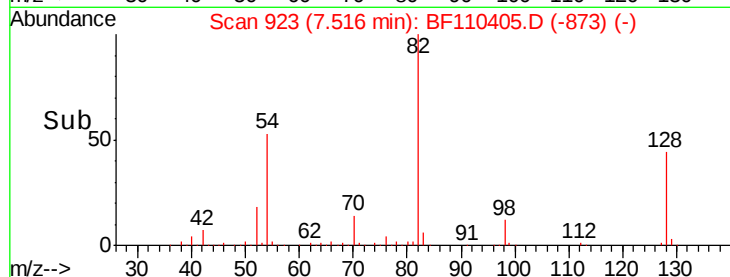
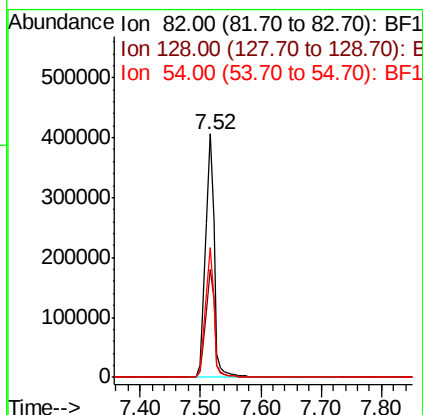
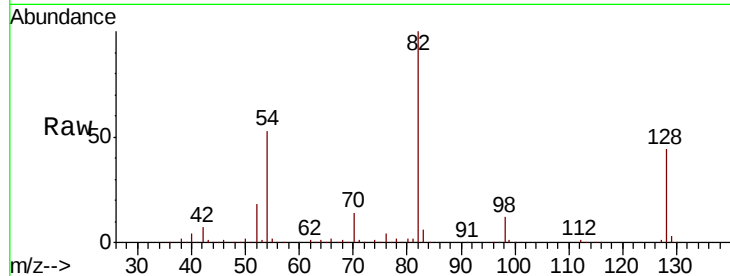




#23
 Nitrobenzene-d5
 Concen: 76.987 ng
 RT: 7.52 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BF110405.D
 Acq: 2 Nov 2018 12:08

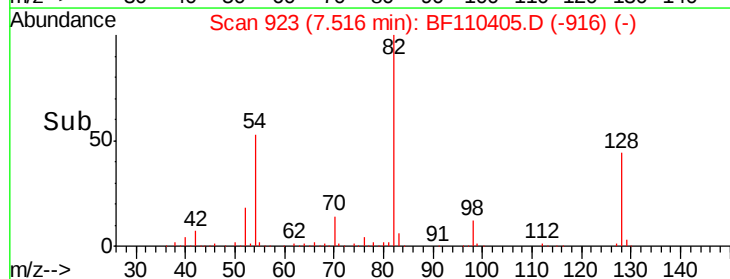
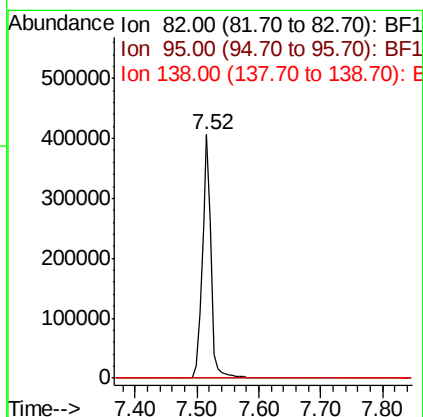
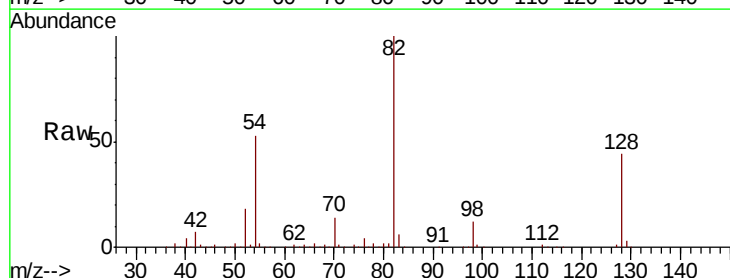
Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 411887
 Ion Ratio Lower Upper
 82 100
 128 44.3 34.2 51.2
 54 53.1 38.6 58.0



#25
 Isophorone
 Concen: 45.164 ng
 RT: 7.52 min Scan# 923
 Delta R.T. -0.26 min
 Lab File: BF110405.D
 Acq: 2 Nov 2018 12:08

Tgt Ion: 82 Resp: 411884
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.7 8.5#
 138 0.0 13.2 19.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.99 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BF110405.D

Acq: 2 Nov 2018 12:08

Instrument :

BNA_F

ClientSampleId :

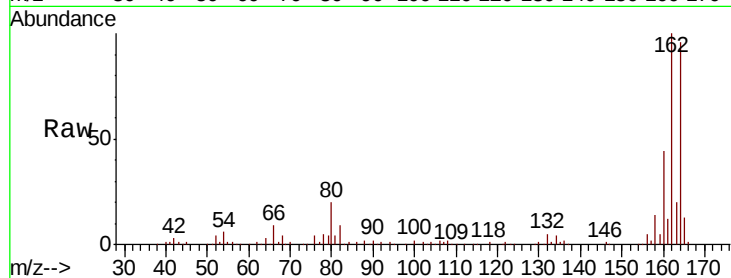
Tot Ion:164 Resp: 147538

Ion Ratio Lower Upper

164 100

162 104.6 83.0 124.6

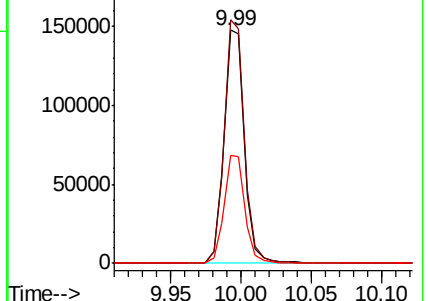
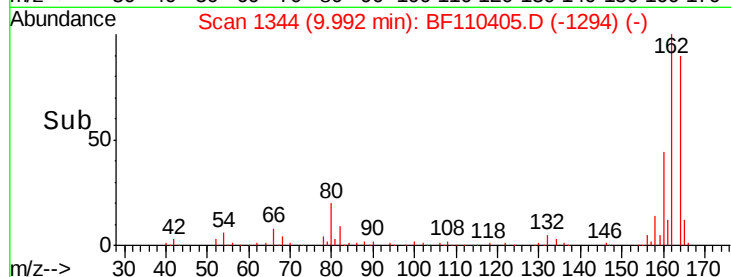
160 46.4 37.0 55.6



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: 94.171 ng

RT: 10.79 min Scan# 1479

Delta R.T. -0.01 min

Lab File: BF110405.D

Acq: 2 Nov 2018 12:08

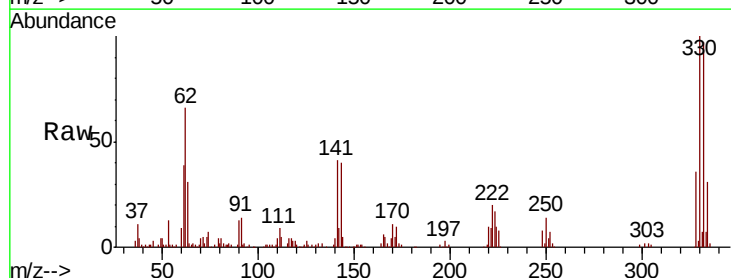
Tgt Ion:330 Resp: 137628

Ion Ratio Lower Upper

330 100

332 97.3 77.1 115.7

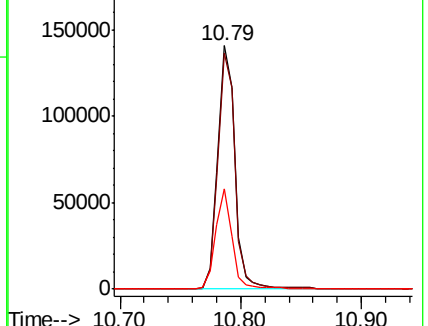
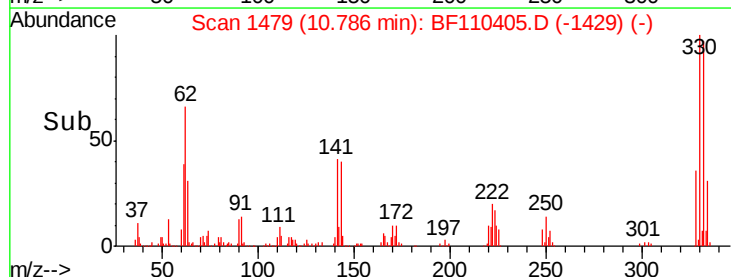
141 39.6 27.0 40.4

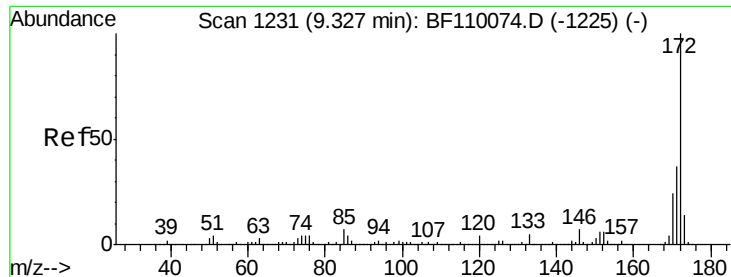


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 79.185 ng

RT: 9.31 min Scan# 1228

Delta R.T. -0.01 min

Lab File: BF110405.D

Acq: 2 Nov 2018 12:08

Instrument :

BNA_F

ClientSampled :

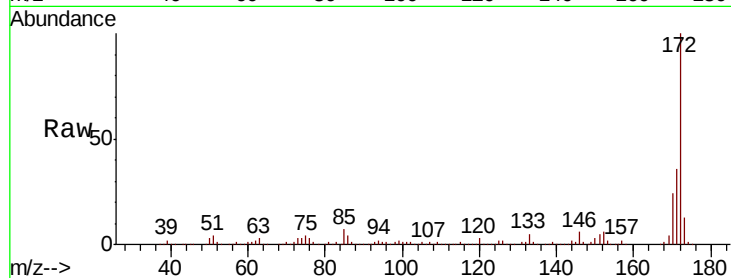
Tot Ion:172 Resp: 744000

Ion Ratio Lower Upper

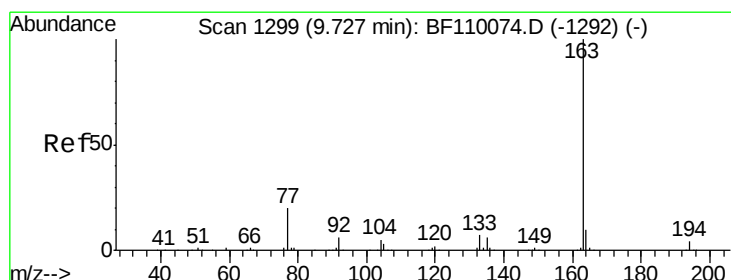
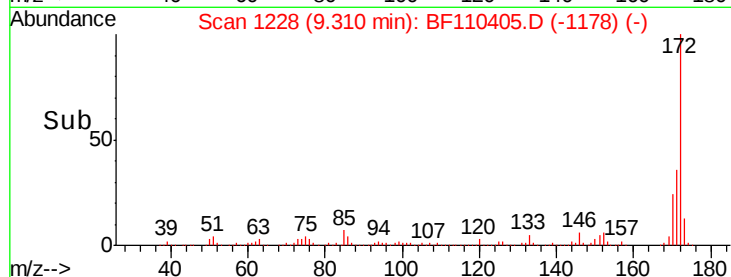
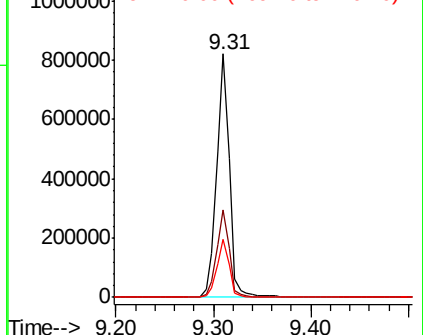
172 100

171 35.7 28.6 43.0

170 23.9 19.7 29.5



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: 9.320 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF110405.D

Acq: 2 Nov 2018 12:08

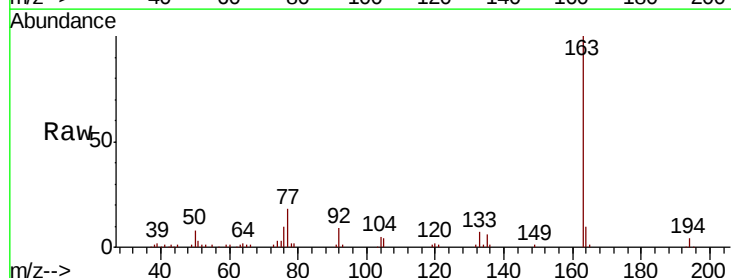
Tgt Ion:163 Resp: 101502

Ion Ratio Lower Upper

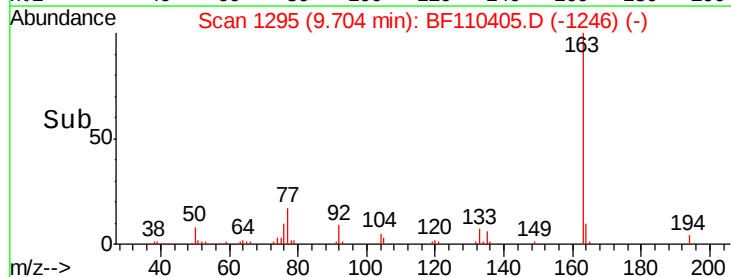
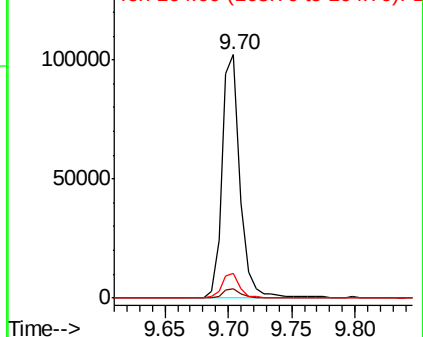
163 100

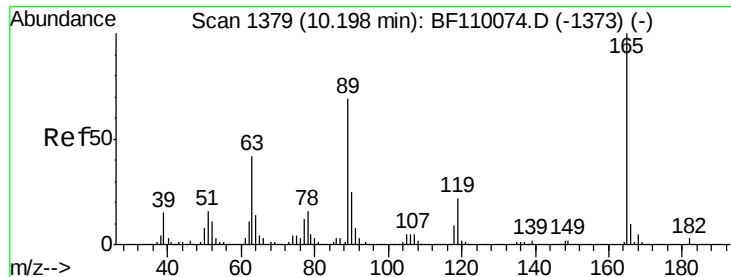
194 3.6 3.2 4.8

164 9.9 8.1 12.1



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

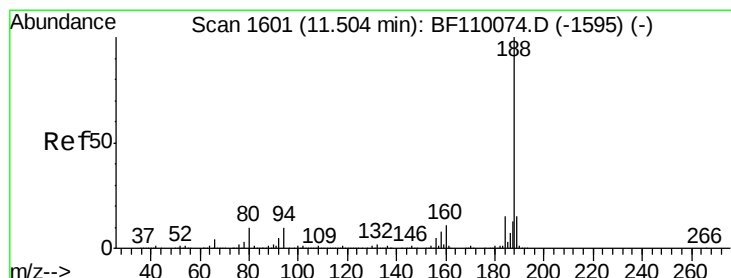
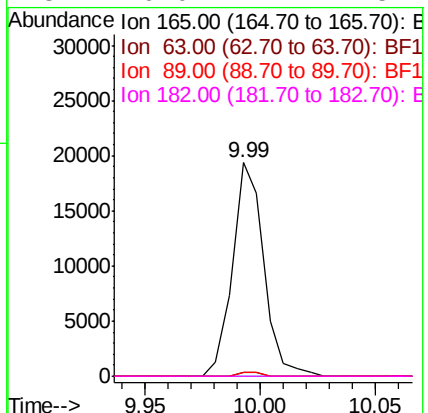
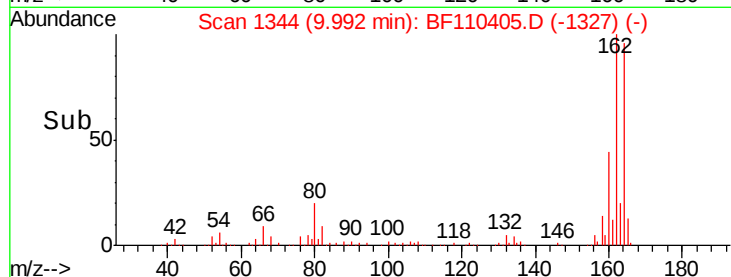
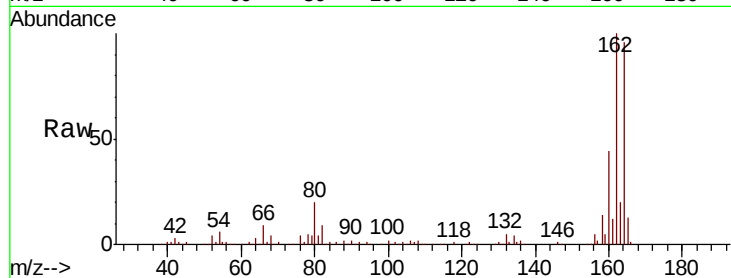




#57
 2,4-Dinitrotoluene
 Concen: 6.138 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. -0.20 min
 Lab File: BF110405.D
 Acq: 2 Nov 2018 12:08

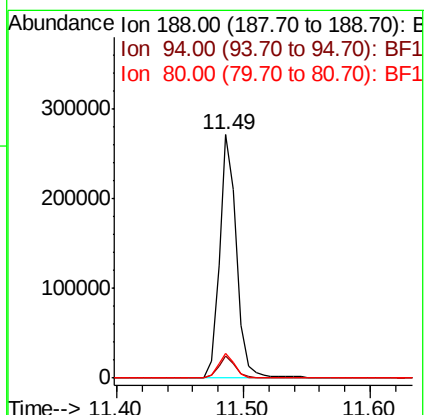
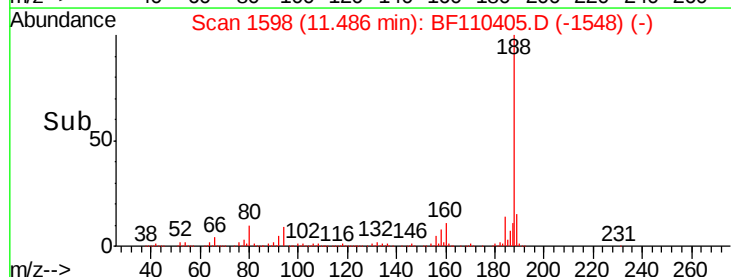
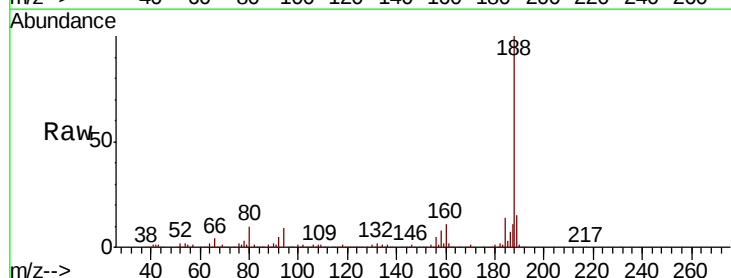
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.8	67.2#
89	1.8	62.2	93.4#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF110405.D
 Acq: 2 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.2	10.8
80	10.1	7.9	11.9

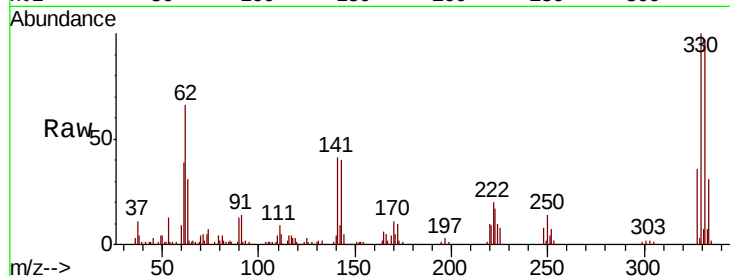




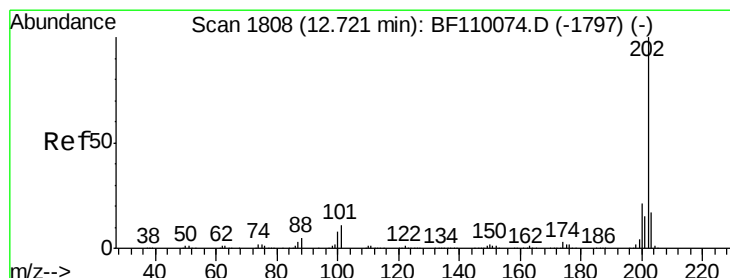
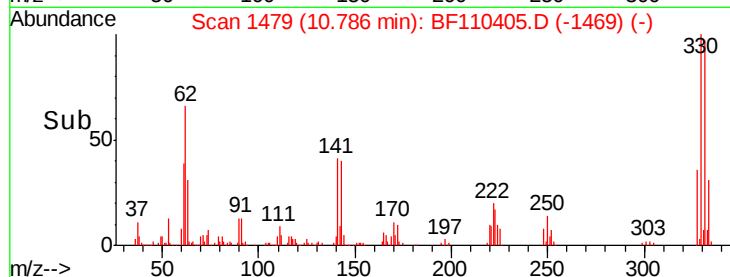
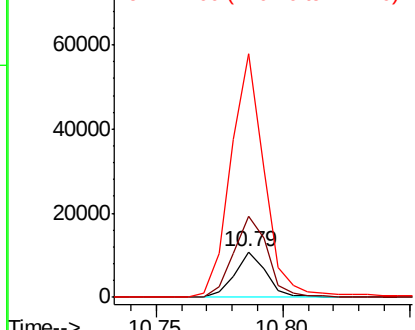
#67
 4-Bromophenyl-phenylether
 Concen: 3.411 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.24 min
 Lab File: BF110405.D
 Acq: 2 Nov 2018 12:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9409
 Ion Ratio Lower Upper
 248 100
 250 177.9 79.4 119.2#
 141 538.4 55.9 83.9#

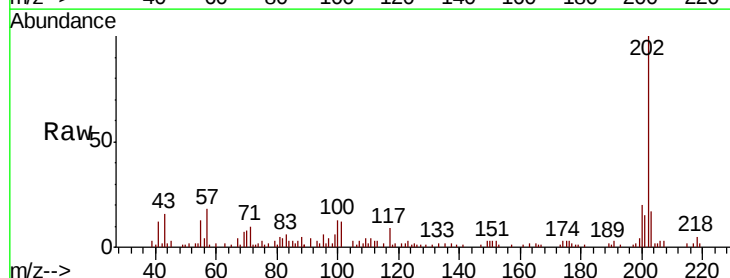


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

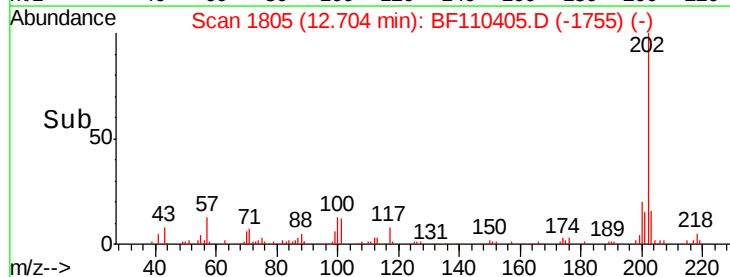
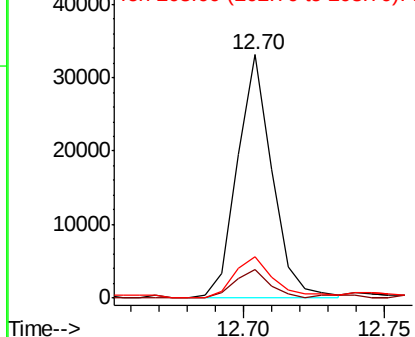


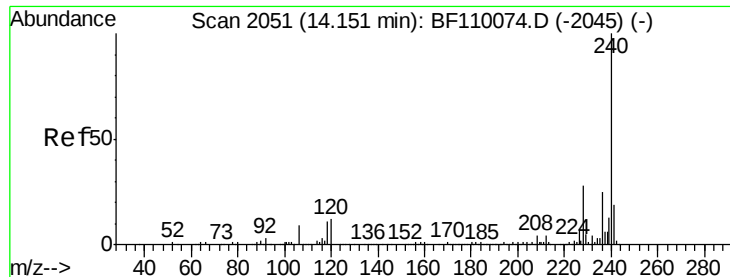
#75
 Fluoranthene
 Concen: 2.105 ng
 RT: 12.70 min Scan# 1805
 Delta R.T. -0.01 min
 Lab File: BF110405.D
 Acq: 2 Nov 2018 12:08

Tgt Ion:202 Resp: 28426
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 31.4
 203 17.3 0.0 37.7



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: 14.13 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BF110405.D

Acq: 2 Nov 2018 12:08

Instrument :

BNA_F

ClientSampleId :

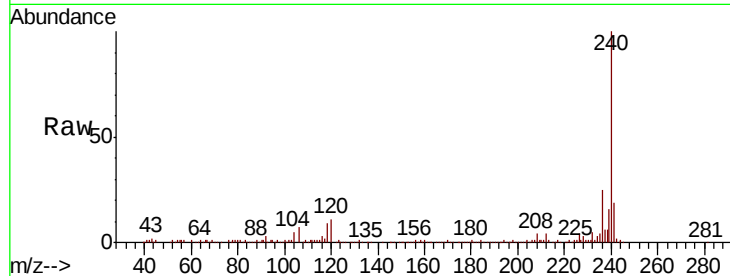
Tot Ion:240 Resp: 154166

Ion Ratio Lower Upper

240 100

120 10.6 8.3 12.5

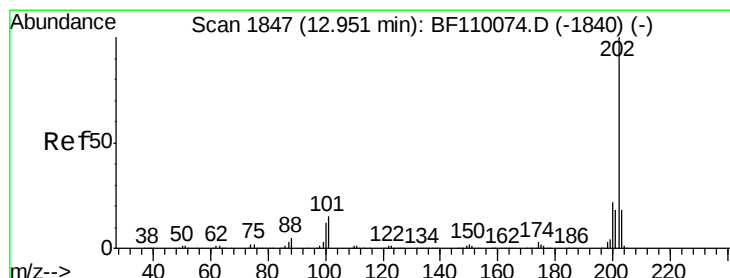
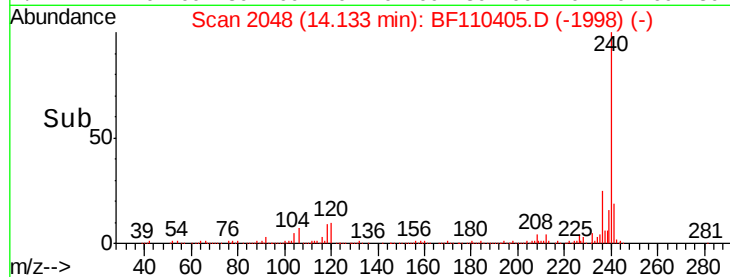
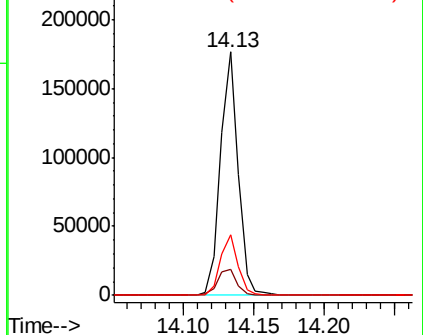
236 24.7 21.2 31.8



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: 3.838 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BF110405.D

Acq: 2 Nov 2018 12:08

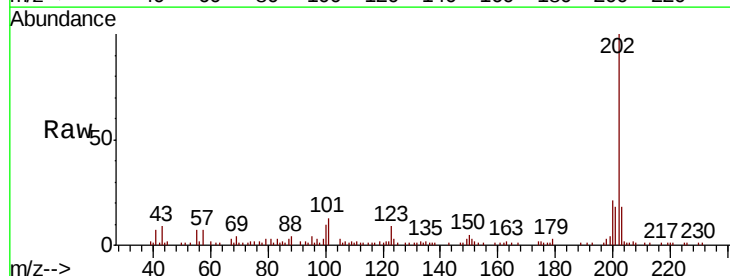
Tgt Ion:202 Resp: 42423

Ion Ratio Lower Upper

202 100

200 20.8 17.8 26.6

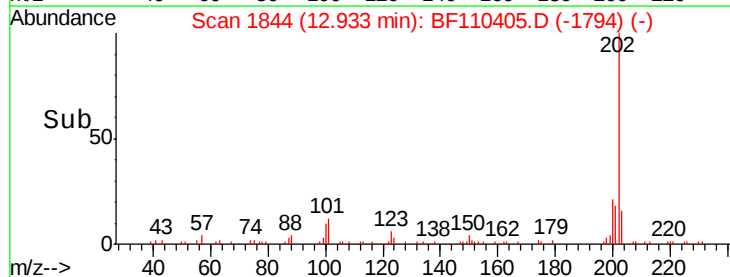
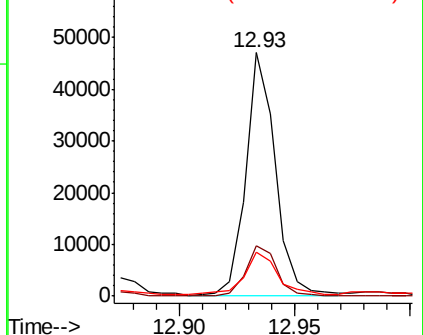
203 18.2 14.2 21.4

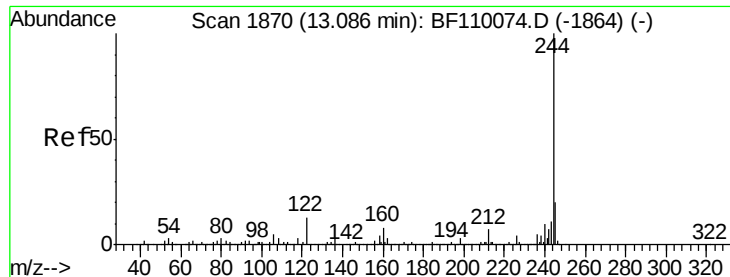


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 74.963 ng

RT: 13.07 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BF110405.D

Acq: 2 Nov 2018 12:08

Instrument :

BNA_F

ClientSampleId :

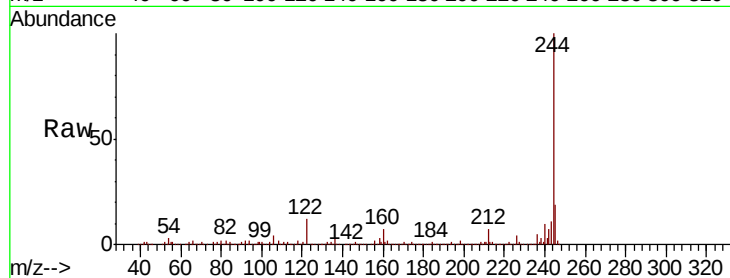
Tot Ion:244 Resp: 555693

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

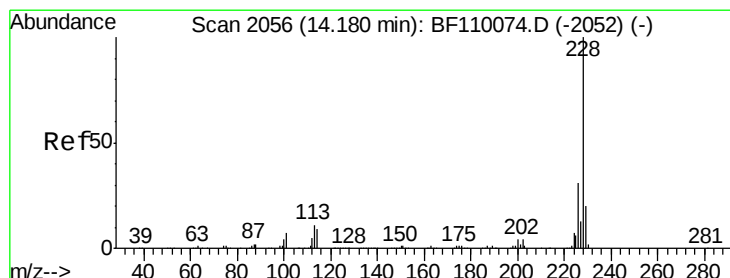
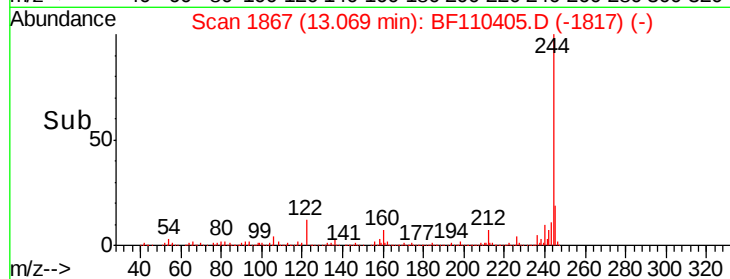
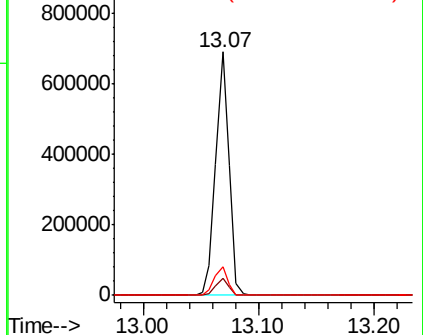
122 11.6 8.7 13.1



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



#83

Chrysene

Concen: 2.385 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110405.D

Acq: 2 Nov 2018 12:08

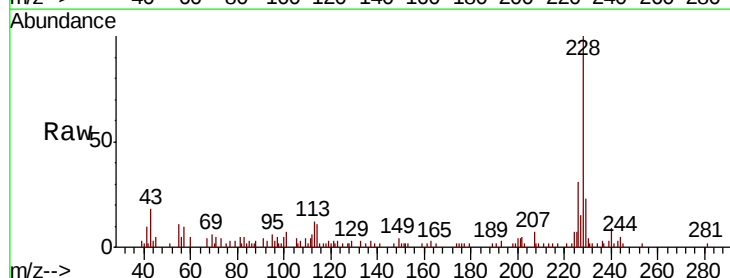
Tgt Ion:228 Resp: 20713

Ion Ratio Lower Upper

228 100

226 30.6 24.7 37.1

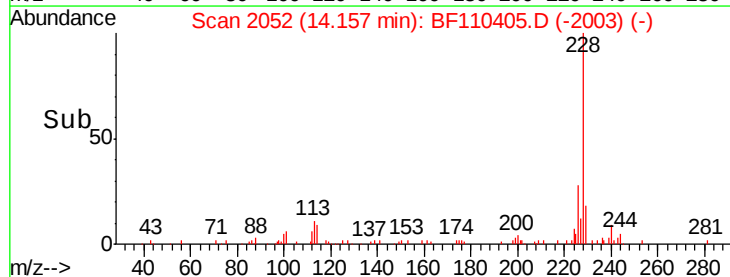
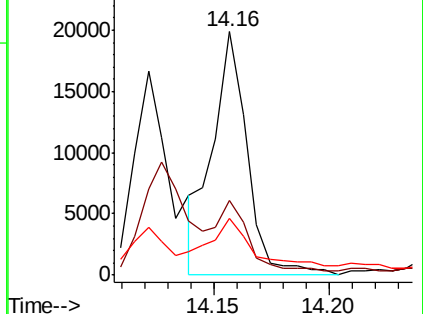
229 23.4 15.9 23.9

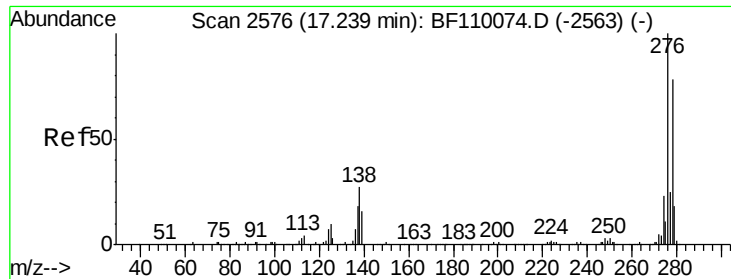


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

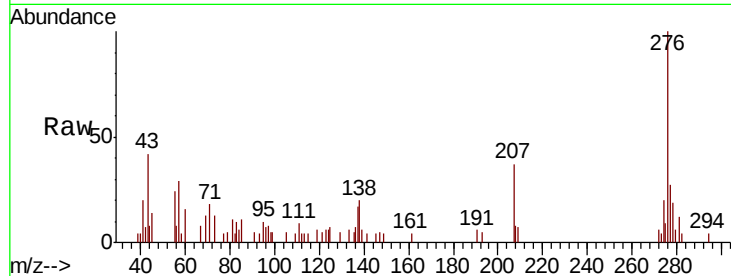




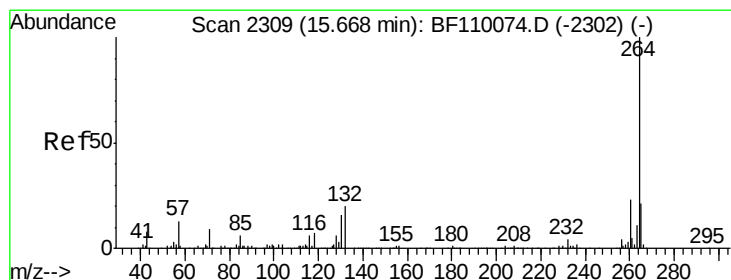
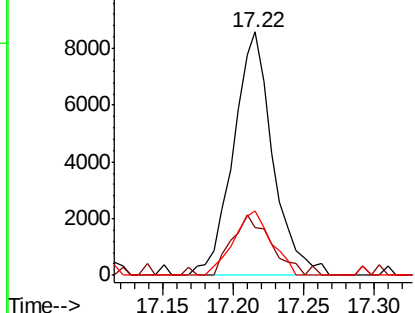
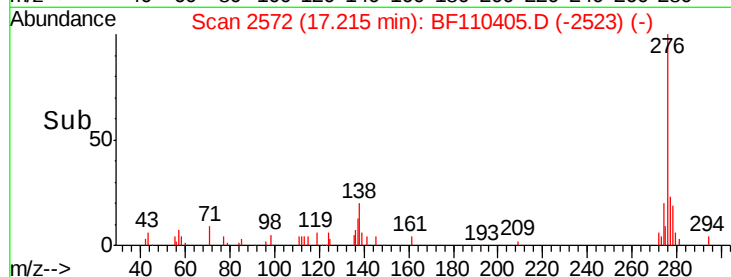
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.323 ng
 RT: 17.22 min Scan# 2572
 Delta R.T. -0.01 min
 Lab File: BF110405.D
 Acq: 2 Nov 2018 12:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276	Resp:	16736
Ion Ratio	Lower	Upper
276	100	
138	25.0	18.5 27.7
277	25.3	20.0 30.0

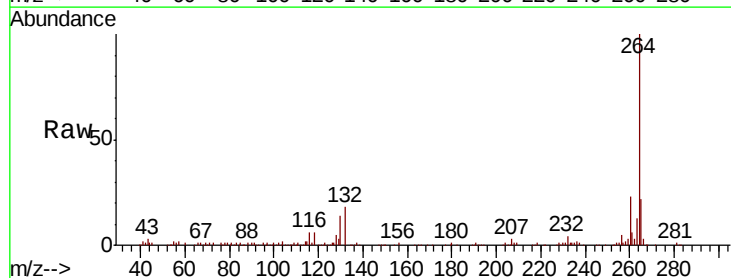


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

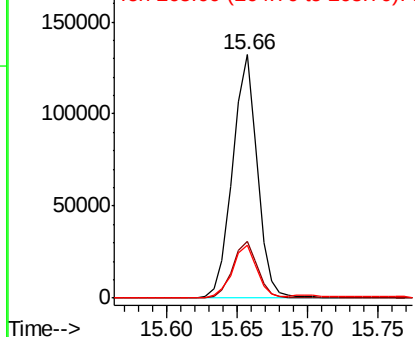
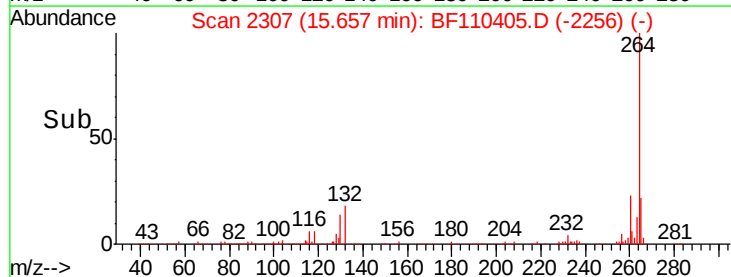


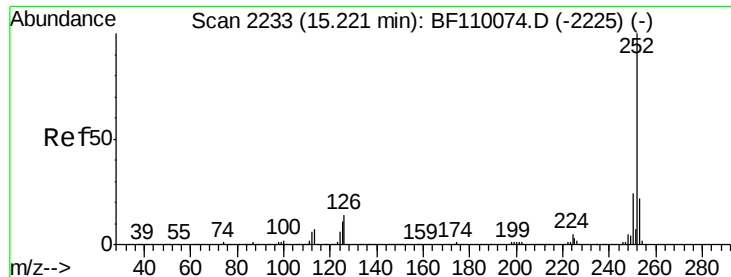
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.66 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: BF110405.D
 Acq: 2 Nov 2018 12:08

Tgt Ion:264	Resp:	162546
Ion Ratio	Lower	Upper
264	100	
260	23.3	18.7 28.1
265	21.8	16.7 25.1



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

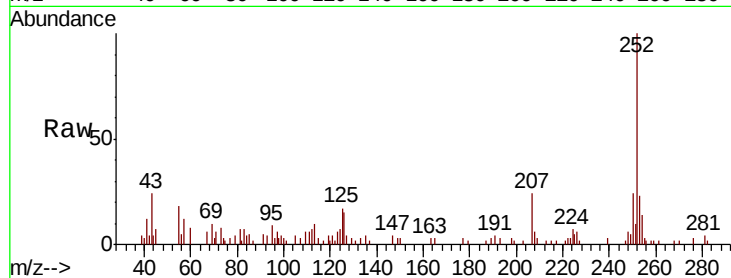




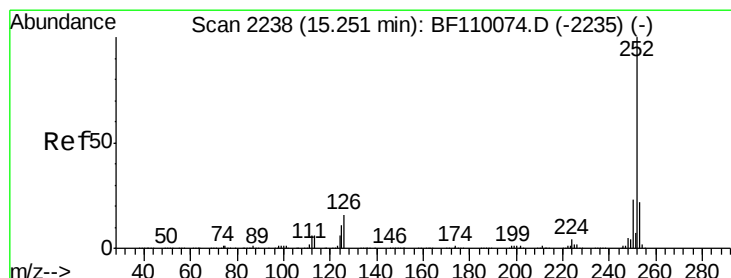
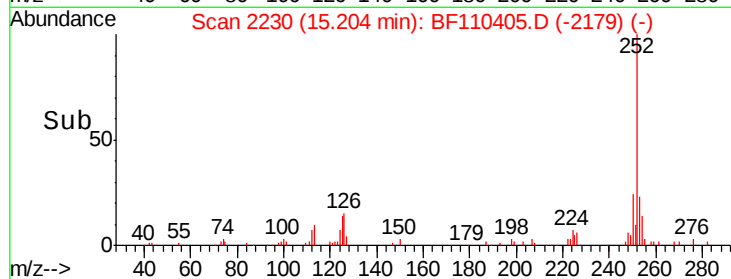
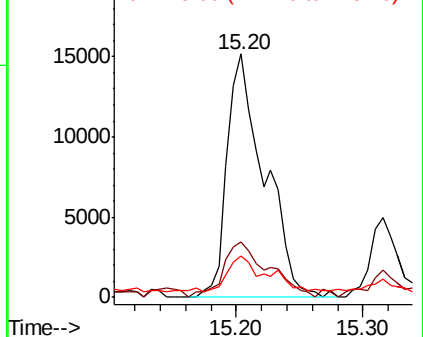
#88
Benzo(b)fluoranthene
Concen: 3.312 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110405.D
Acq: 2 Nov 2018 12:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 31084
Ion Ratio Lower Upper
252 100
253 22.9 17.2 25.8
125 16.8 8.2 12.4#

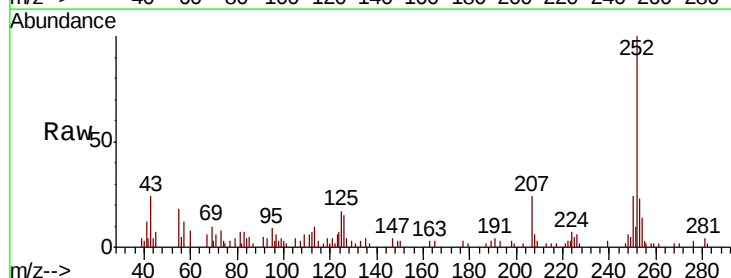


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

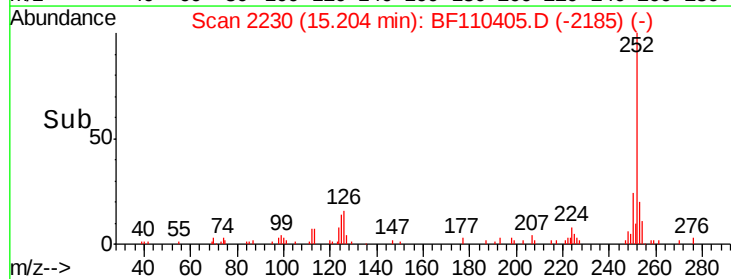
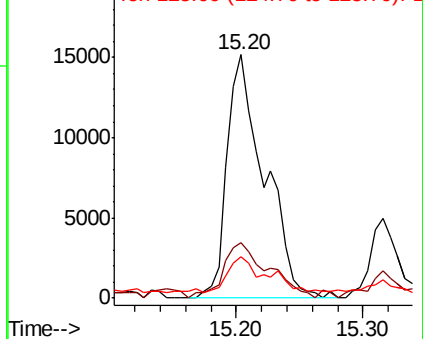


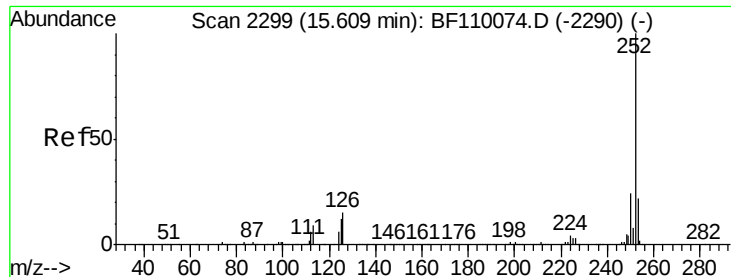
#89
Benzo(k)fluoranthene
Concen: 3.369 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110405.D
Acq: 2 Nov 2018 12:08

Tgt Ion:252 Resp: 31084
Ion Ratio Lower Upper
252 100
253 22.9 17.2 25.8
125 16.8 7.4 11.0#



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

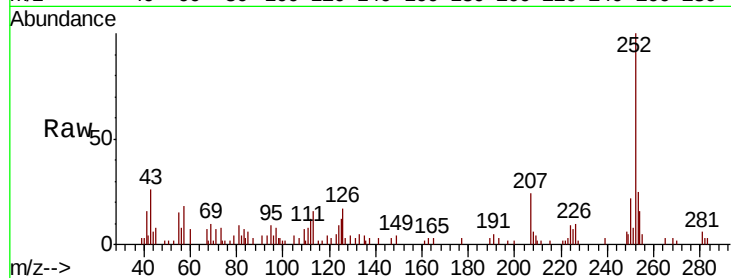




#90
Benzo(a)pyrene
Concen: 2.350 ng
RT: 15.59 min Scan# 2295
Delta R.T. -0.01 min
Lab File: BF110405.D
Acq: 2 Nov 2018 12:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.2	27.4
125	11.8	9.0	13.6

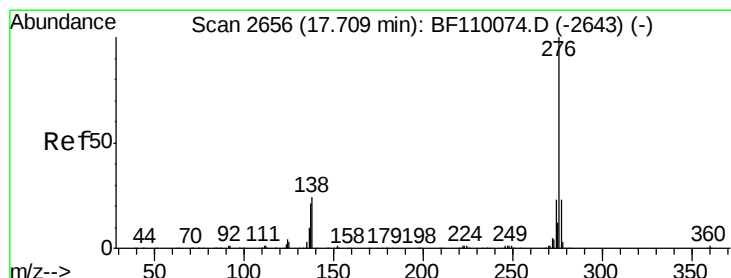
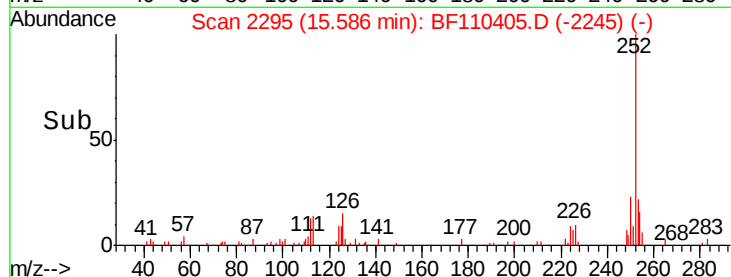
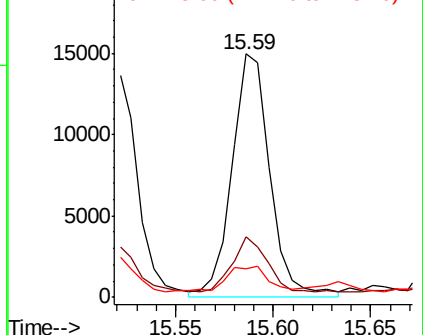


Abundance

Ion 252.00 (251.70 to 252.70): E

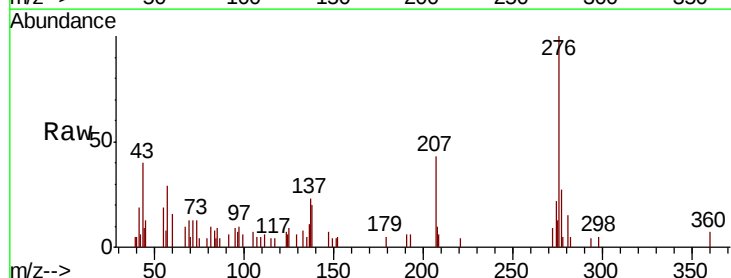
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.538 ng
RT: 17.69 min Scan# 2652
Delta R.T. -0.02 min
Lab File: BF110405.D
Acq: 2 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.7	18.8	28.2
138	20.1	16.0	24.0



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

