

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
 Data File : BF104598.D
 Acq On : 18 Apr 2018 13:44
 Operator : JU/SJ
 Sample : J2413-03 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 14:56:55 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 18 11:52:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	121376	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	460132	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	173744	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	271271	20.00	ng	0.00
75) Chrysene-d12	13.97	240	281874	20.00	ng	0.00
86) Perylene-d12	15.44	264	300612	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	339931	42.82	ng	0.00
7) Phenol-d6	6.43	99	397641	40.77	ng	0.00
23) Nitrobenzene-d5	7.36	82	251001	35.62	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	68650	38.09	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	411957	37.46	ng	-0.01
78) Terphenyl-d14	12.92	244	318145	25.73	ng	0.00

Target Compounds

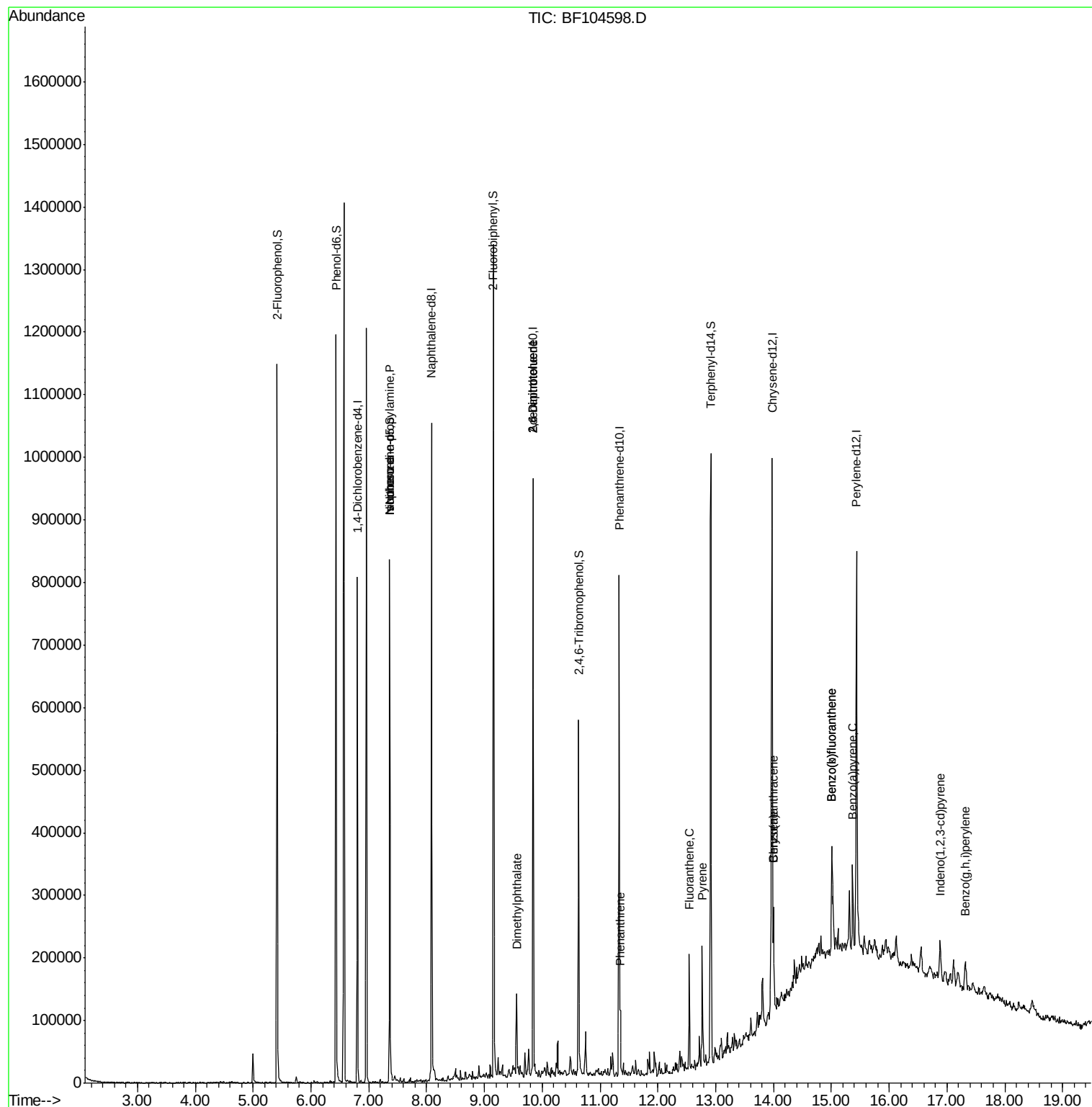
						Qvalue
9) Benzaldehyde	6.35	77	419	Below Cal	#	76
19) n-Nitroso-di-n-propylamine	7.36	70	31024	4.868 ng	#	73
25) Isophorone	7.36	82	250997	16.844 ng	#	64
49) Dimethylphthalate	9.56	163	47396	3.459 ng		98
50) 2,6-Dinitrotoluene	9.84	165	22727	8.964 ng	#	25
56) 2,4-Dinitrotoluene	9.84	165	22727	6.834 ng	#	22
70) Phenanthrene	11.35	178	31832	2.107 ng		98
74) Fluoranthene	12.54	202	75223	4.766 ng		100
76) Benzidine	12.92	184	3926	Below Cal	#	95
77) Pyrene	12.77	202	76941	3.683 ng		98
80) Benzo(a)anthracene	14.00	228	62469	3.710 ng		98
82) Chrysene	14.00	228	62469	3.612 ng		95
85) Indeno(1,2,3-cd)pyrene	16.88	276	37044	2.521 ng		94
87) Benzo(b)fluoranthene	15.01	252	120541	6.349 ng	#	93
88) Benzo(k)fluoranthene	15.01	252	120541	6.725 ng		96
89) Benzo(a)pyrene	15.37	252	60994	3.590 ng	#	92
91) Benzo(a,h,i)perylene	17.32	276	38886	2.877 ng		98

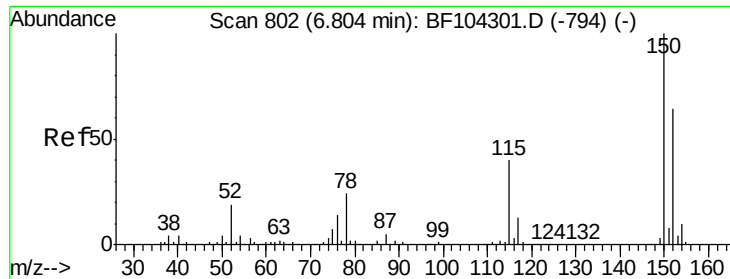
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
Data File : BF104598.D
Acq On : 18 Apr 2018 13:44
Operator : JU/SJ
Sample : J2413-03 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 18 14:56:55 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 18 11:52:19 2018
Response via : Initial Calibration



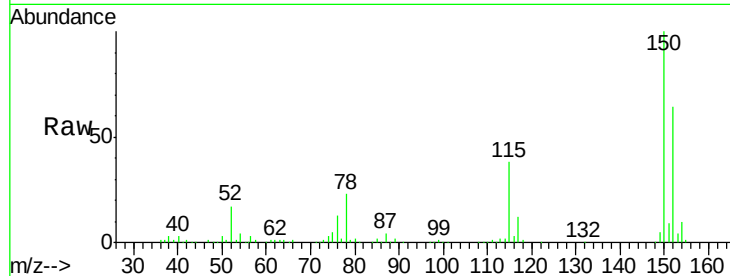


#1

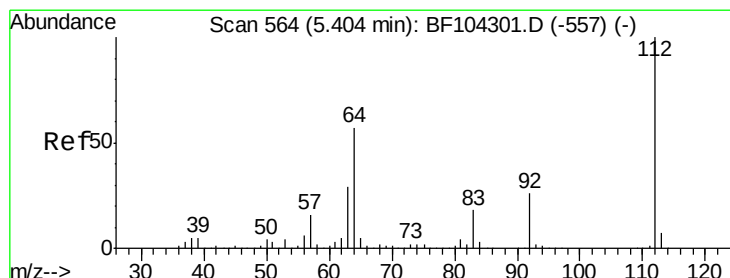
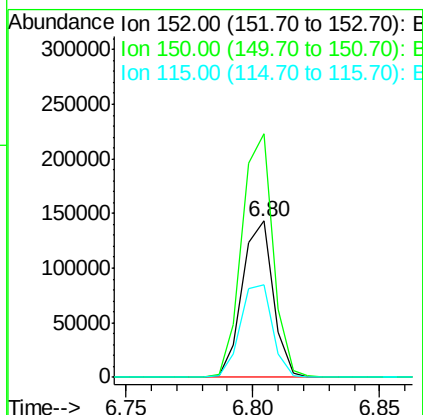
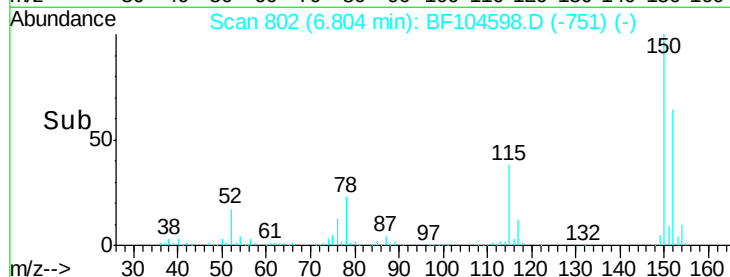
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104598.D
Acq: 18 Apr 2018 13:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 121376
Ion Ratio Lower Upper
152 100
150 155.8 124.6 186.8
115 59.4 50.1 75.1



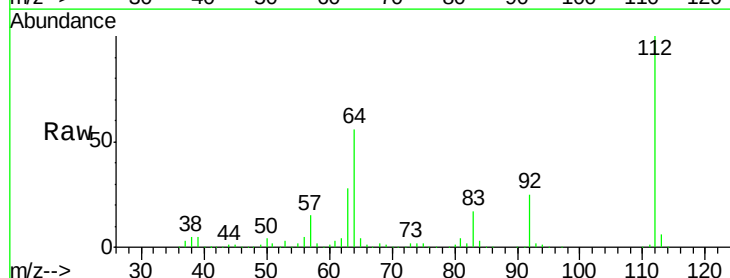
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



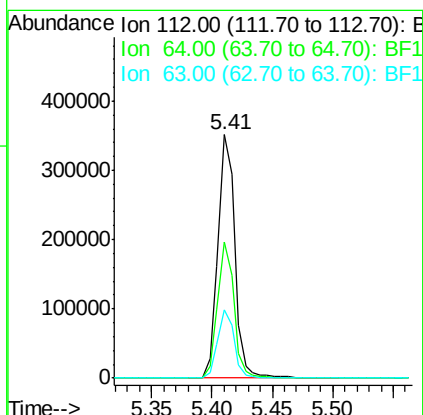
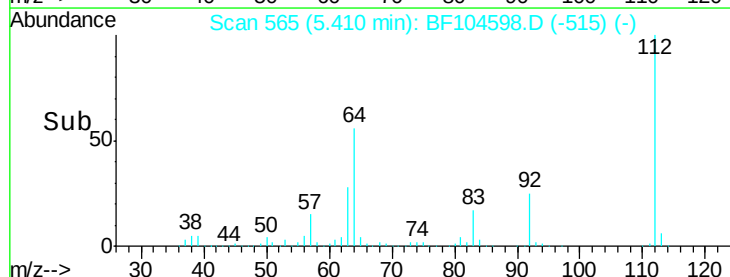
#5

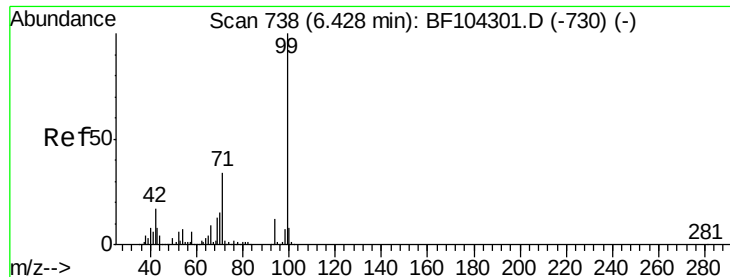
2-Fluorophenol
Concen: 42.823 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF104598.D
Acq: 18 Apr 2018 13:44

Tgt Ion:112 Resp: 339931
Ion Ratio Lower Upper
112 100
64 56.1 47.9 71.9
63 28.2 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: 40.770 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104598.D

Acq: 18 Apr 2018 13:44

Instrument :

BNA_F

ClientSampleId :

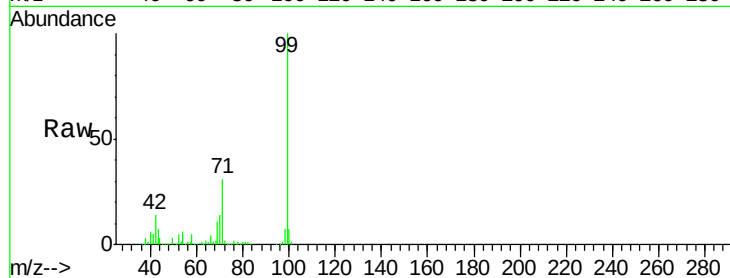
Tot Ion: 99 Resp: 397641

Ion Ratio Lower Upper

99 100

42 14.4 14.5 21.7#

71 30.6 25.4 38.0



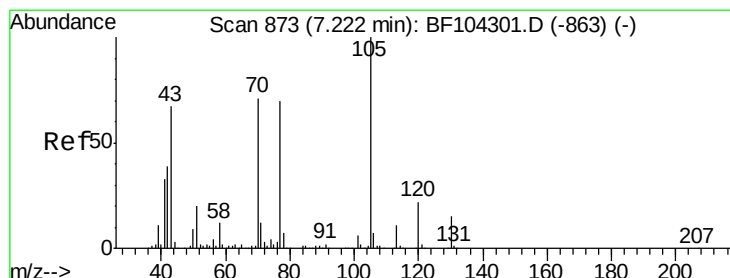
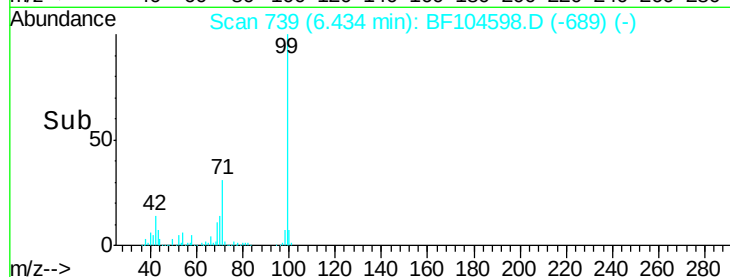
Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

6.43

Time--> 6.35 6.40 6.45 6.50 6.55



#19

n-Nitroso-di-n-propylamine

Concen: 4.868 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.14 min

Lab File: BF104598.D

Acq: 18 Apr 2018 13:44

Tgt Ion: 70 Resp: 31024

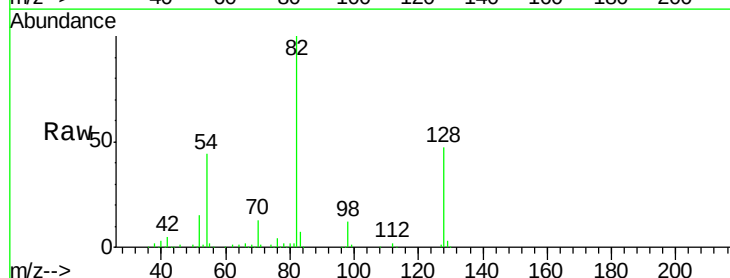
Ion Ratio Lower Upper

70 100

42 41.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1

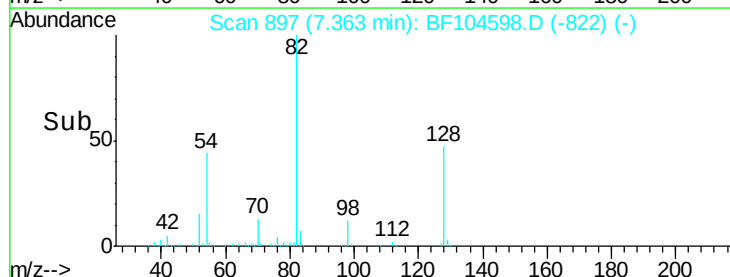
Ion 42.00 (41.70 to 42.70): BF1

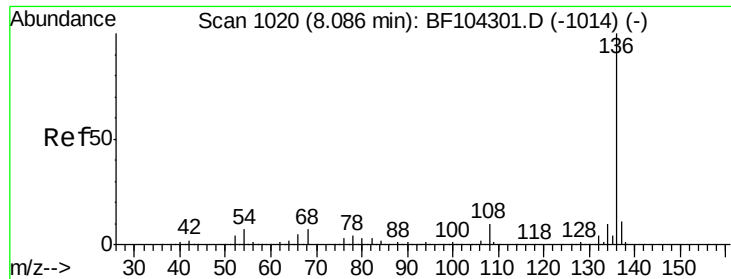
Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

7.36

Time--> 7.30 7.35 7.40 7.45

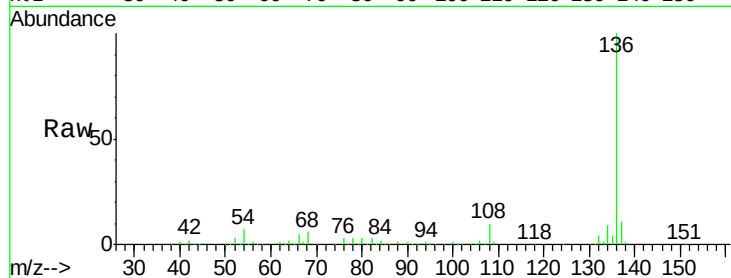




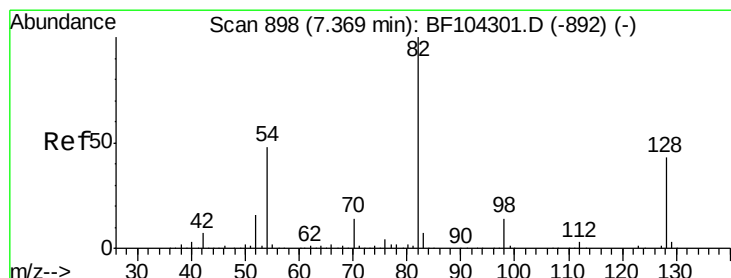
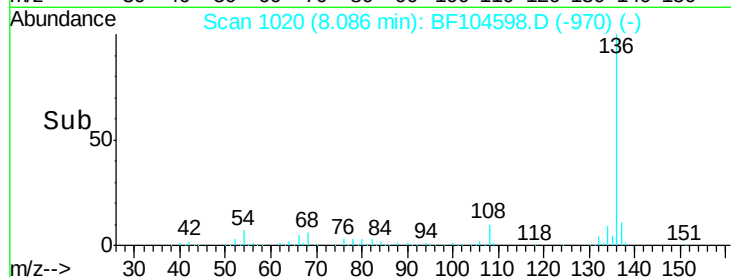
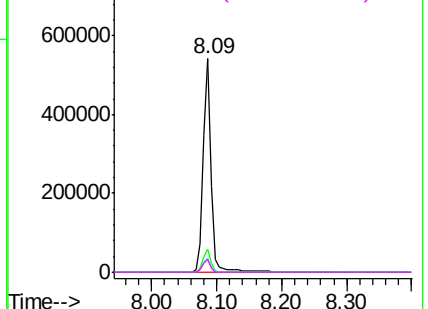
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104598.D
Acq: 18 Apr 2018 13:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	460132
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.9 13.3
54	6.6	6.6 9.8
68	5.9	5.0 7.4

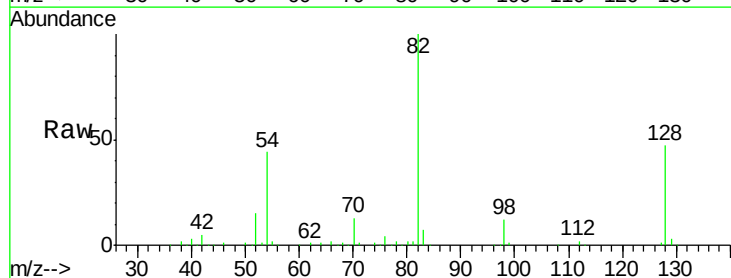


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

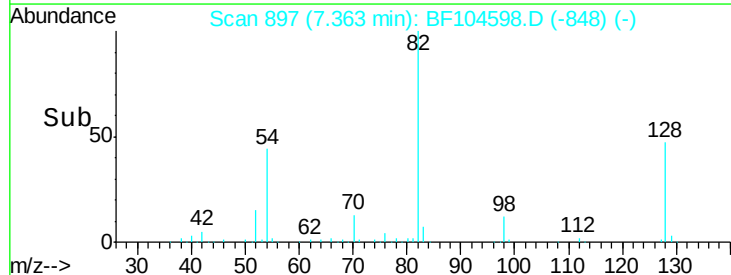
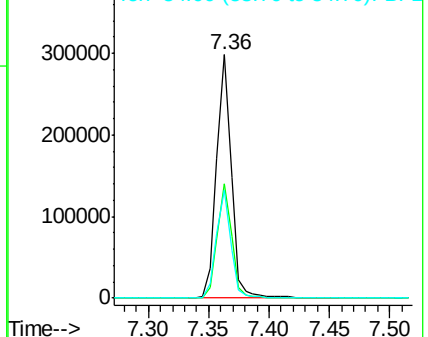


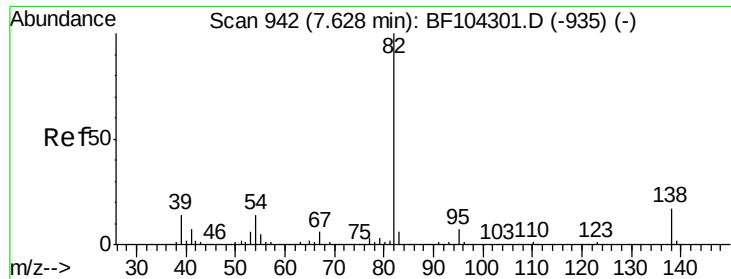
#23
Nitrobenzene-d5
Concen: 35.620 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104598.D
Acq: 18 Apr 2018 13:44

Tgt Ion: 82	Resp:	251001
Ion	Ratio	Lower Upper
82	100	
128	46.7	36.1 54.1
54	44.2	41.4 62.2



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





#25

Isophorone

Concen: 16.844 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF104598.D

Acq: 18 Apr 2018 13:44

Instrument :

BNA_F

ClientSampleId :

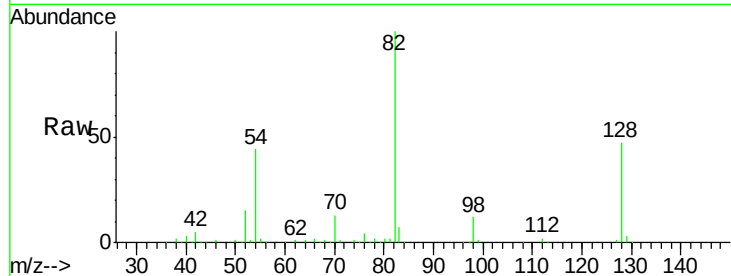
Tot Ion: 82 Resp: 250997

Ion Ratio Lower Upper

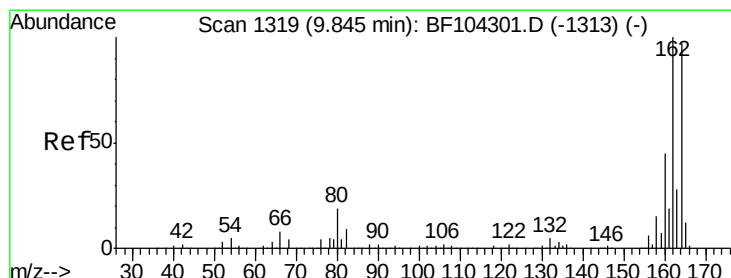
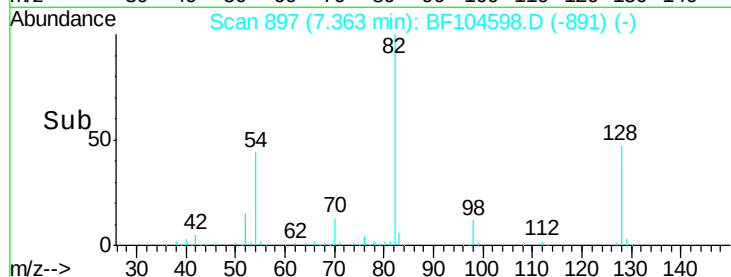
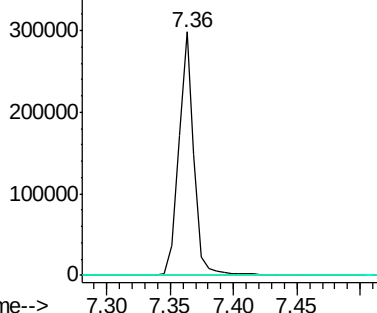
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104598.D

Acq: 18 Apr 2018 13:44

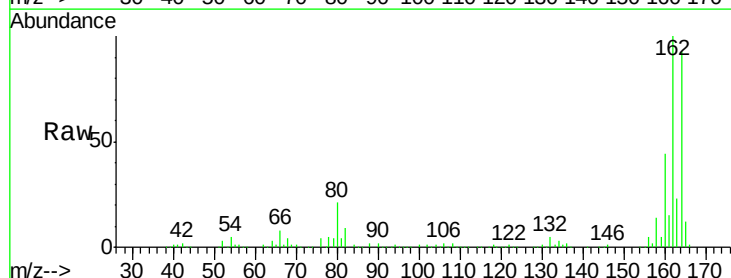
Tgt Ion: 164 Resp: 173744

Ion Ratio Lower Upper

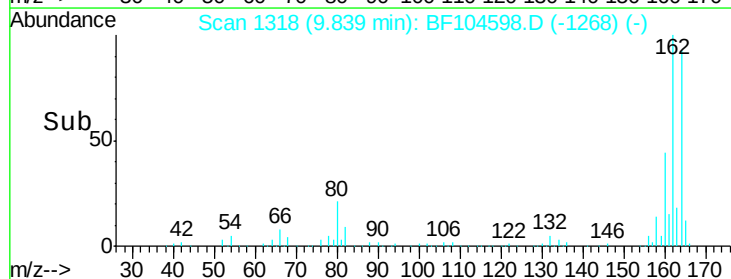
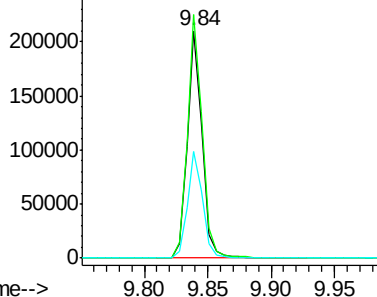
164 100

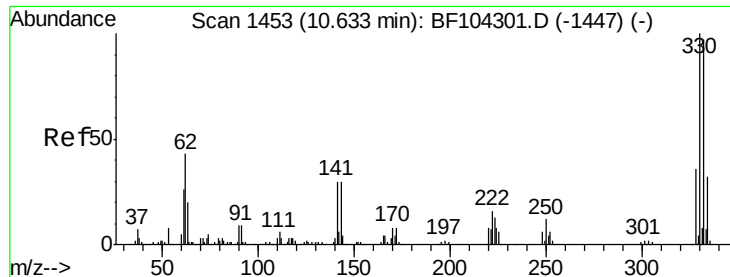
162 107.1 86.1 129.1

160 46.9 38.3 57.5



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

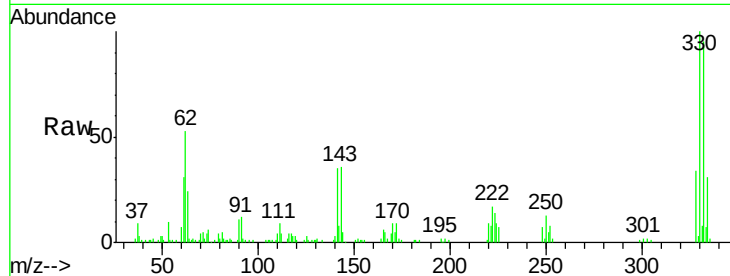




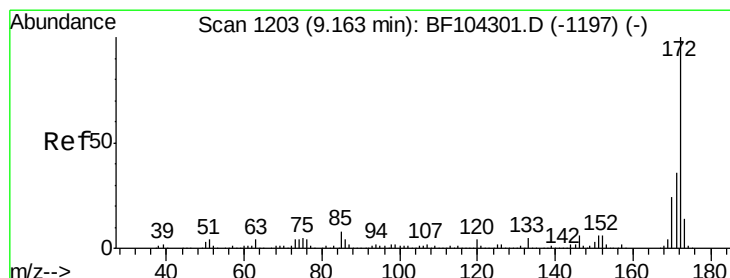
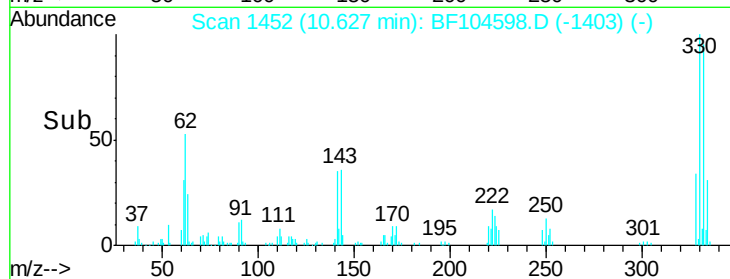
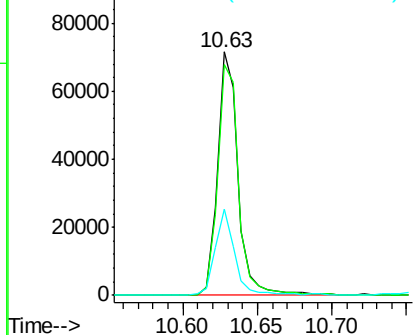
#41
 2,4,6-Tribromophenol
 Concen: 38.090 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF104598.D
 Acq: 18 Apr 2018 13:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	330	Resp	68650
Ion Ratio	100	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	34.3	29.9	44.9

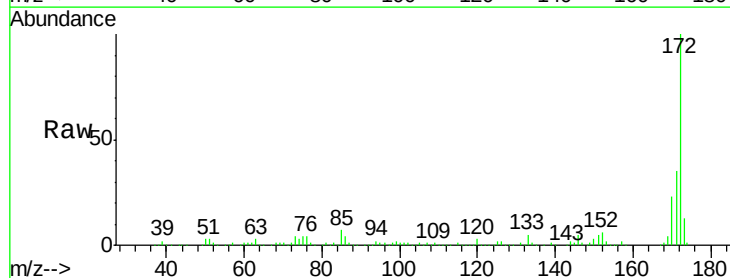


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

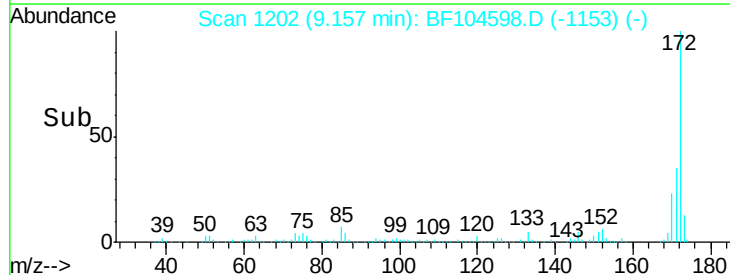
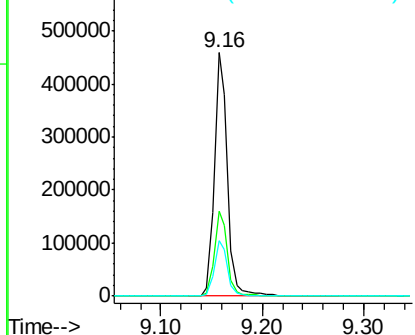


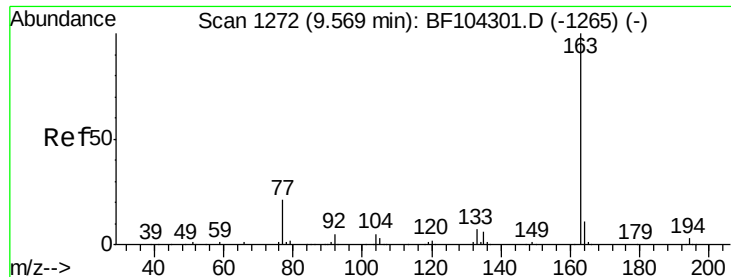
#44
 2-Fluorobiphenyl
 Concen: 37.457 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104598.D
 Acq: 18 Apr 2018 13:44

Tgt Ion	172	Resp	411957
Ion Ratio	100	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	22.8	19.6	29.4



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





#49

Dimethylphthalate

Concen: 3.459 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF104598.D

Acq: 18 Apr 2018 13:44

Instrument :

BNA_F

ClientSampleId :

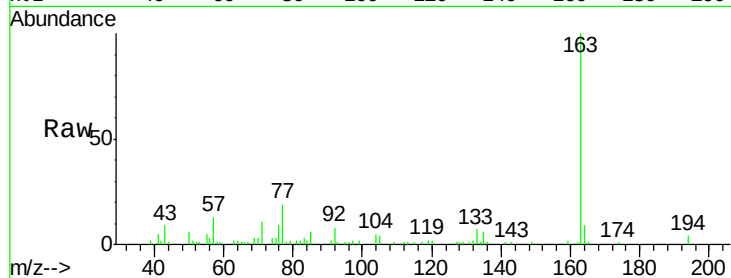
Tot Ion:163 Resp: 47396

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

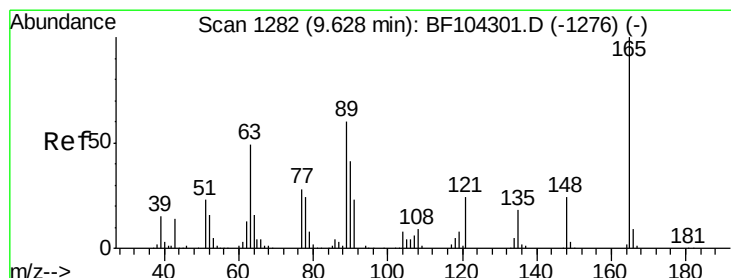
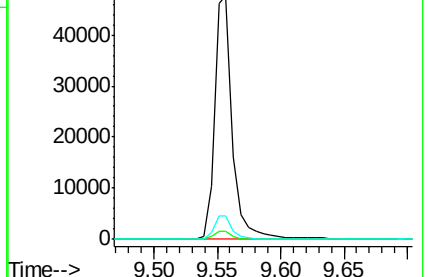
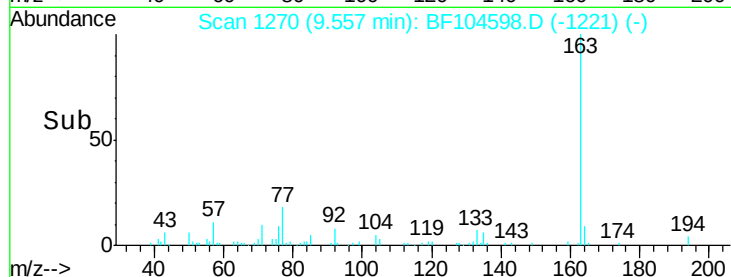
164 9.4 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 8.964 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.21 min

Lab File: BF104598.D

Acq: 18 Apr 2018 13:44

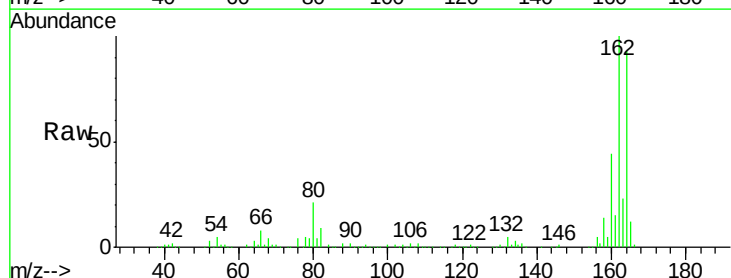
Tgt Ion:165 Resp: 22727

Ion Ratio Lower Upper

165 100

63 1.4 44.7 67.1#

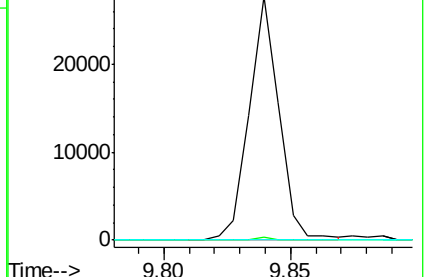
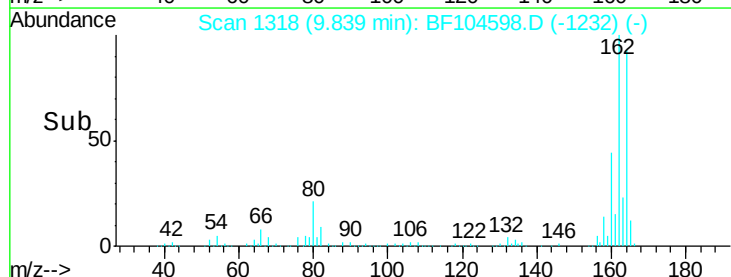
89 0.0 44.0 66.0#

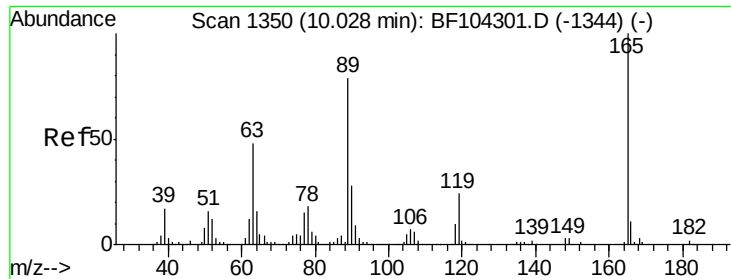


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

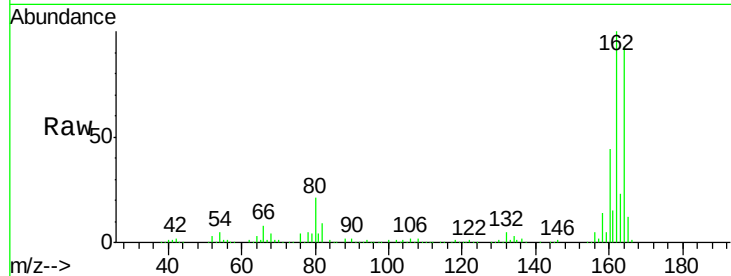




#56
2,4-Dinitrotoluene
Concen: 6.834 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.20 min
Lab File: BF104598.D
Acq: 18 Apr 2018 13:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	165	Resp:	22727
Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

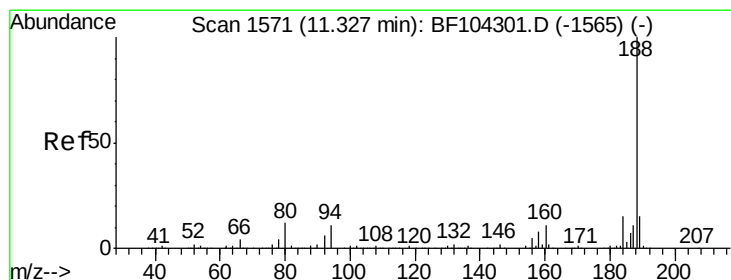
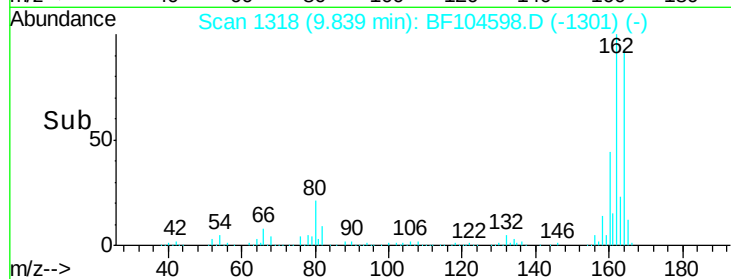
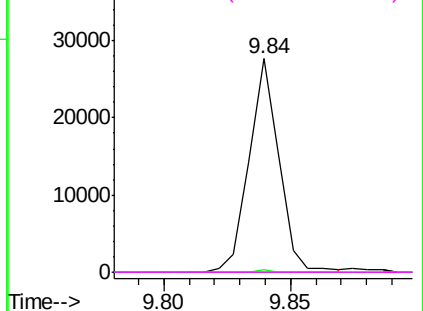


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

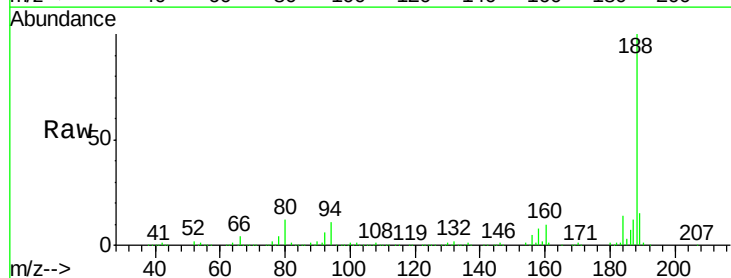
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104598.D
Acq: 18 Apr 2018 13:44

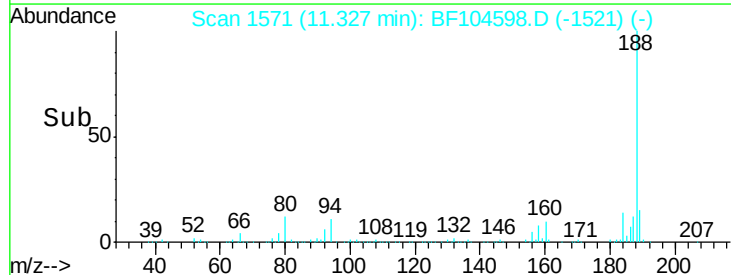
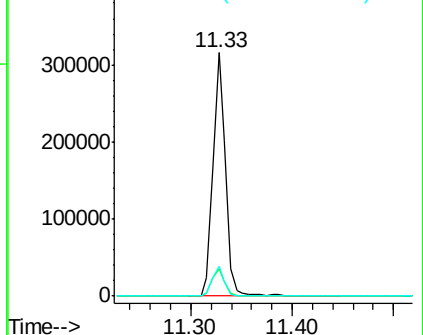
Tgt Ion:	188	Resp:	271271
Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.5	12.7
80	12.4	9.2	13.8

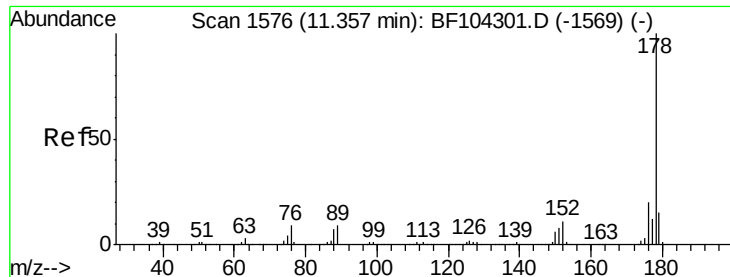


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 2.107 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF104598.D

Acq: 18 Apr 2018 13:44

Instrument :

BNA_F

ClientSampleId :

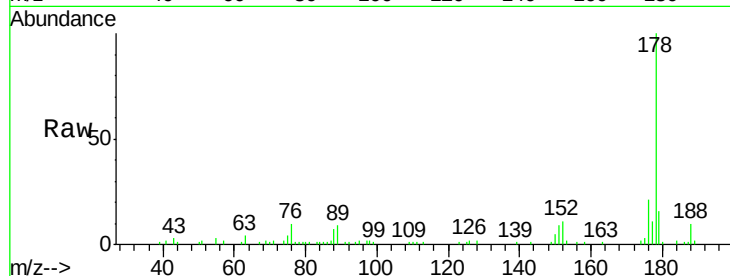
Tot Ion:178 Resp: 31832

Ion Ratio Lower Upper

178 100

176 21.0 15.8 23.8

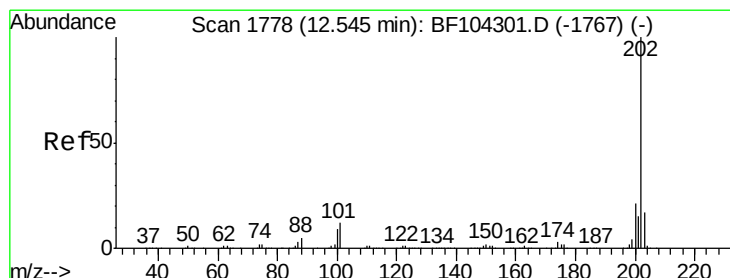
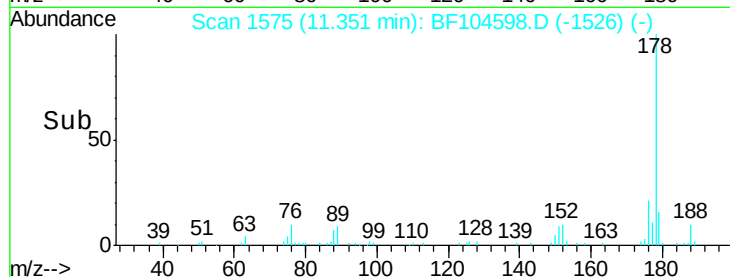
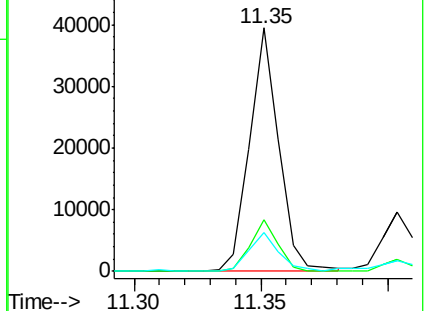
179 15.7 13.0 19.6



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



#74

Fluoranthene

Concen: 4.766 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF104598.D

Acq: 18 Apr 2018 13:44

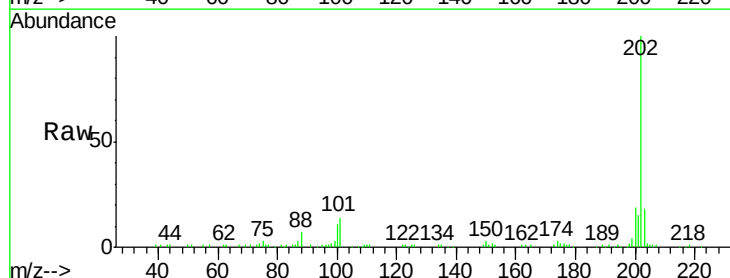
Tgt Ion:202 Resp: 75223

Ion Ratio Lower Upper

202 100

101 14.1 0.0 34.1

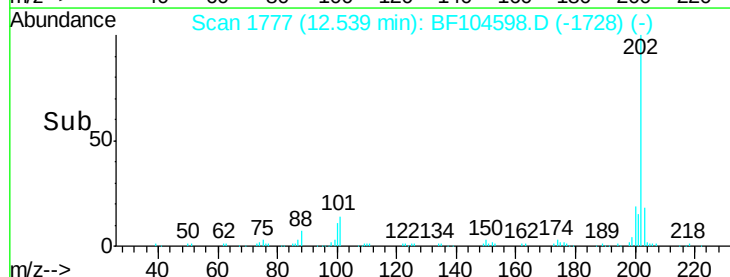
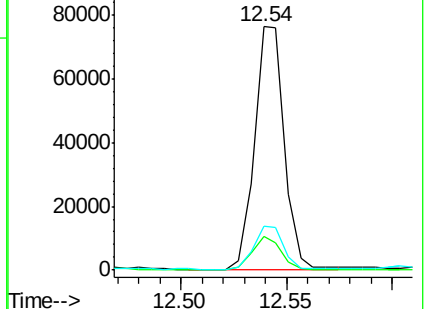
203 18.2 0.0 38.1

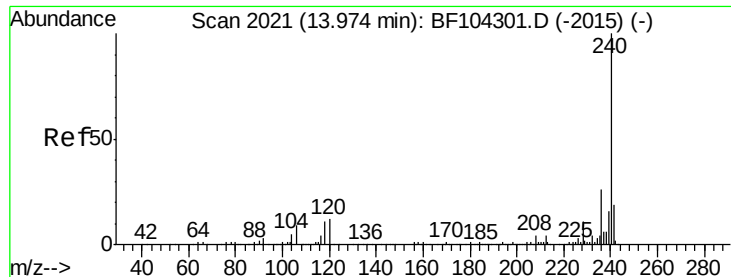


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104598.D

Acq: 18 Apr 2018 13:44

Instrument :

BNA_F

ClientSampleId :

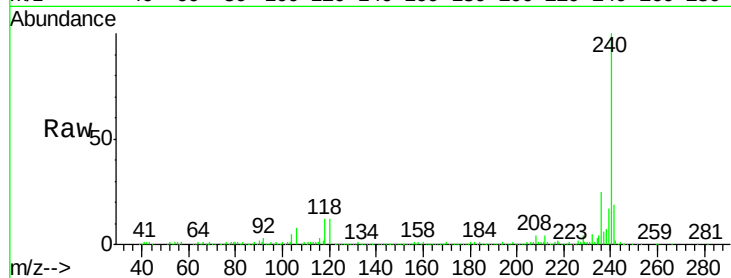
Tot Ion:240 Resp: 281874

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

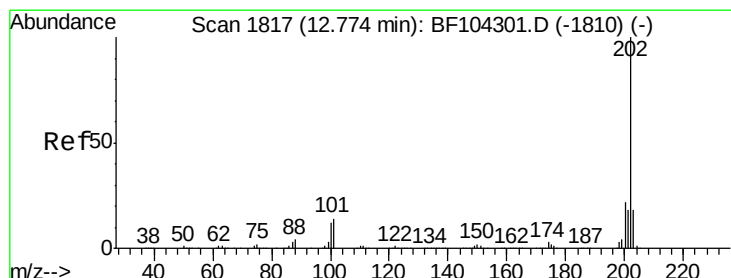
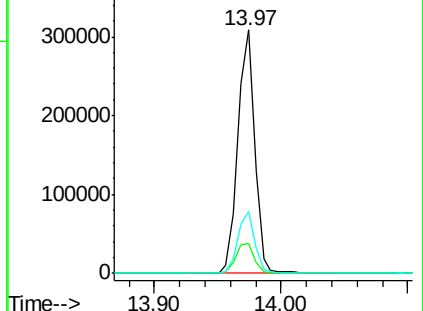
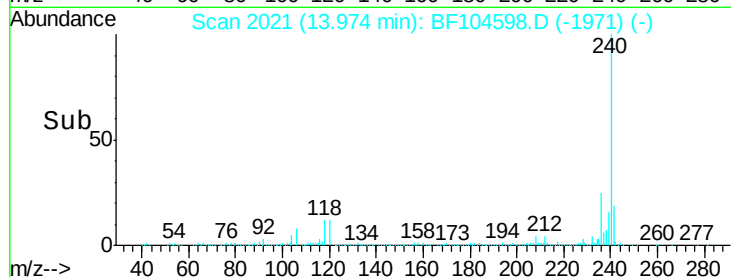
236 25.5 20.7 31.1



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



#77

Pyrene

Concen: 3.683 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF104598.D

Acq: 18 Apr 2018 13:44

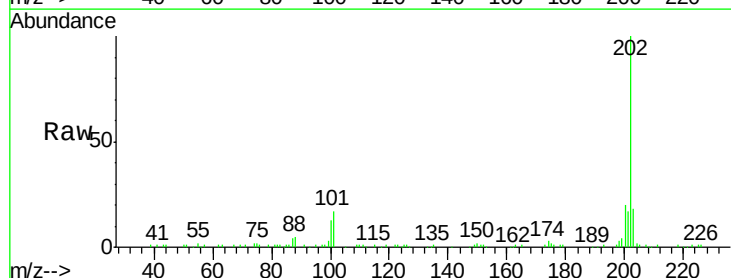
Tgt Ion:202 Resp: 76941

Ion Ratio Lower Upper

202 100

200 20.1 17.4 26.2

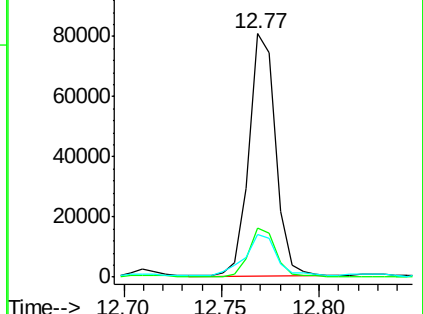
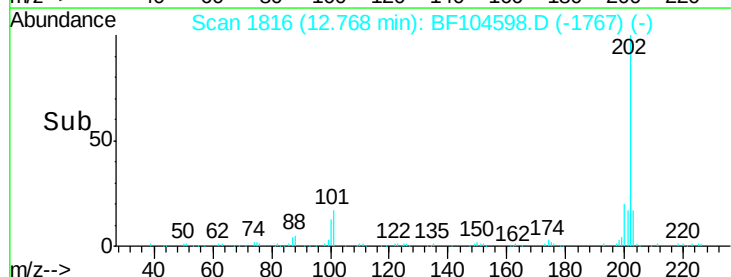
203 17.7 14.3 21.5

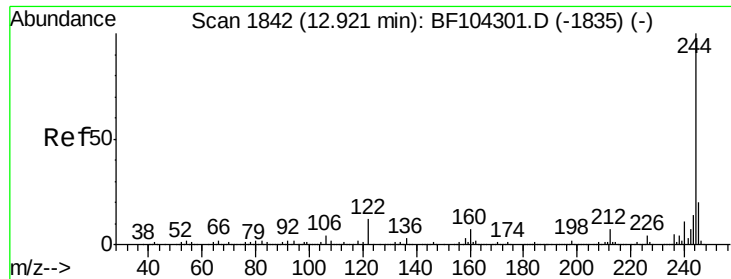


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

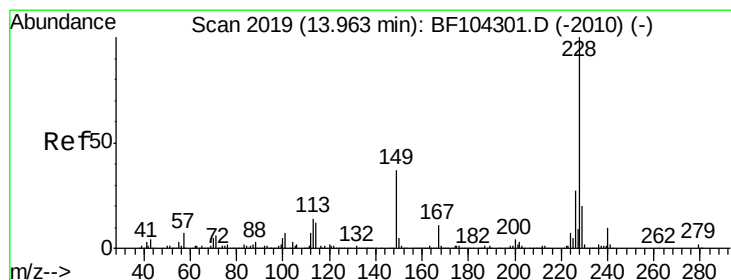
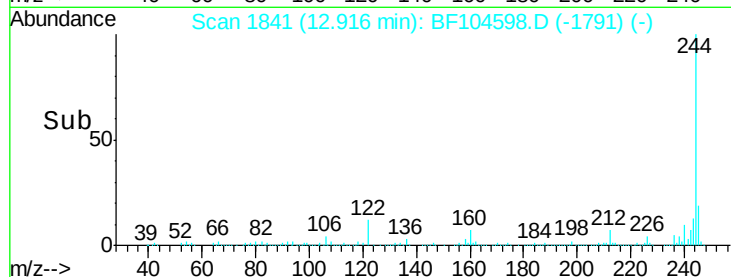
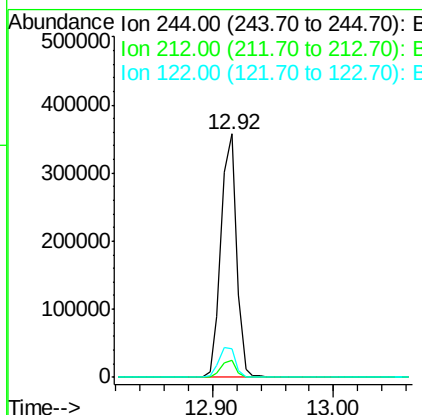
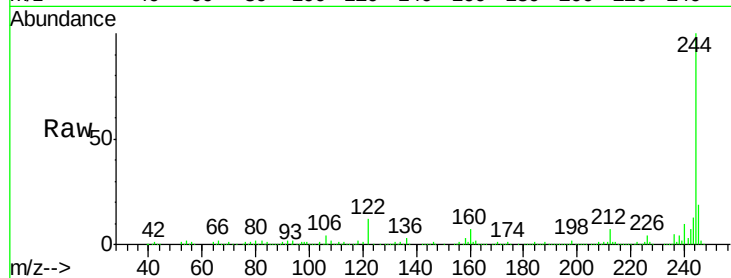




#78
 Terphenyl-d14
 Concen: 25.732 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF104598.D
 Acq: 18 Apr 2018 13:44

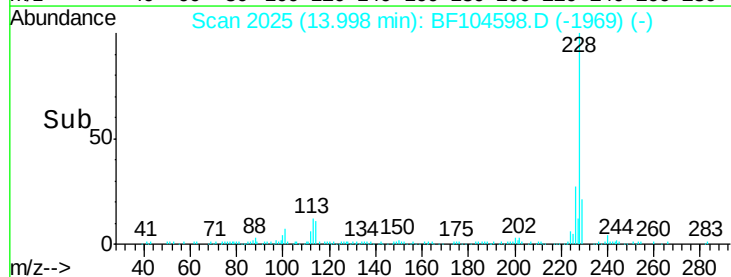
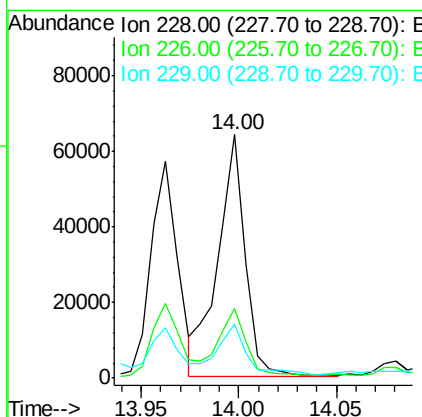
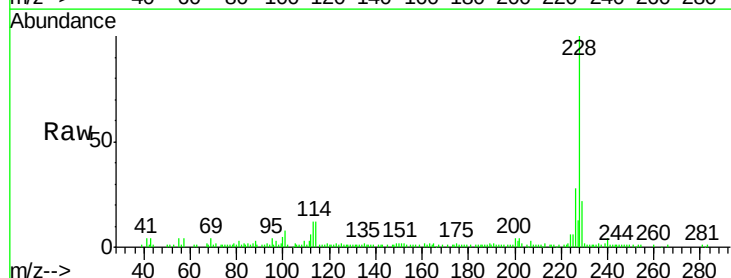
Instrument :
 BNA_F
 ClientSampled :

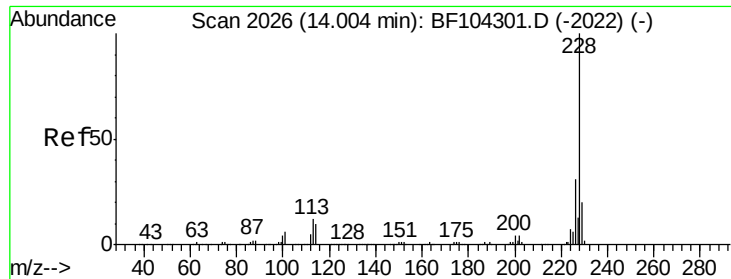
Tot Ion:244 Resp: 318145
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 11.9 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 3.710 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.03 min
 Lab File: BF104598.D
 Acq: 18 Apr 2018 13:44

Tgt Ion:228 Resp: 62469
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.6 33.8
 229 22.1 15.8 23.6

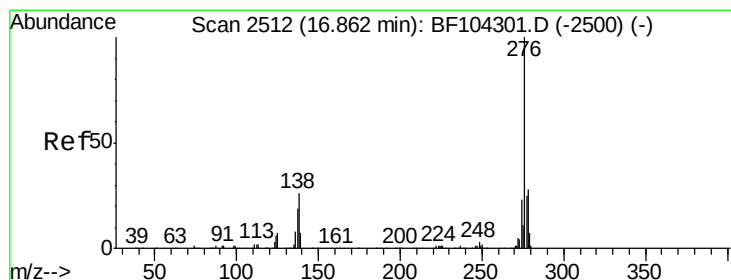
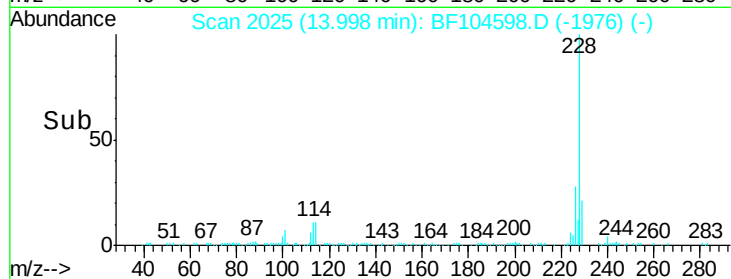
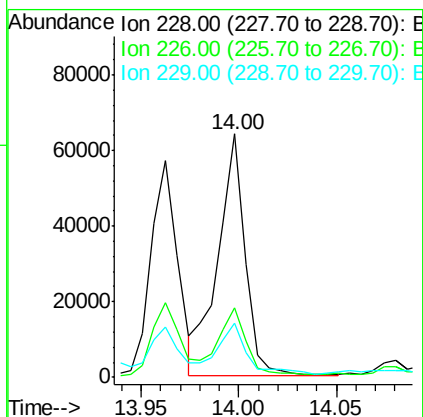
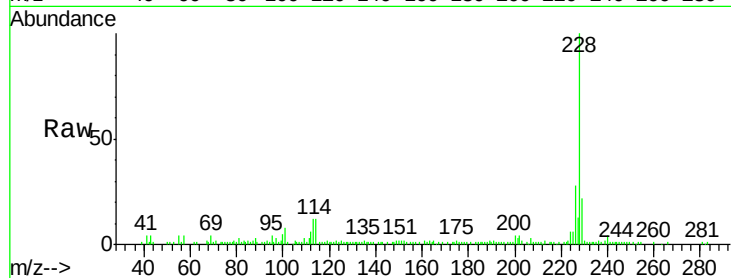




#82
Chrysene
Concen: 3.612 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF104598.D
Acq: 18 Apr 2018 13:44

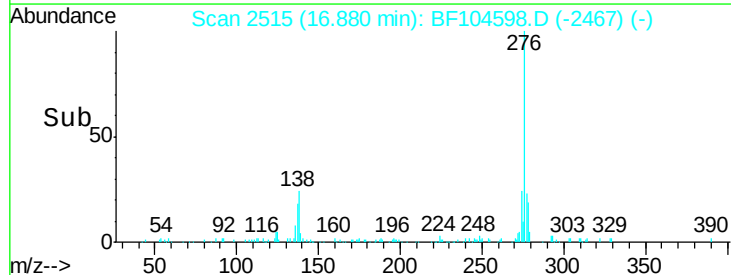
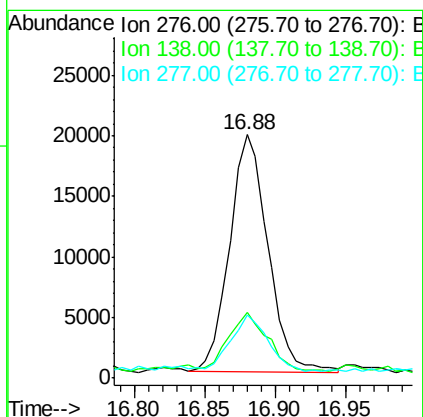
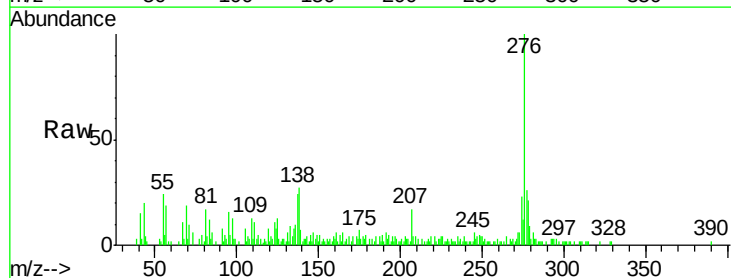
Instrument :
BNA_F
ClientSampleId :

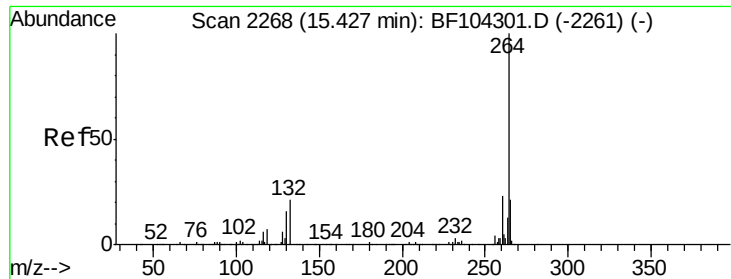
Tot Ion:228 Resp: 62469
Ion Ratio Lower Upper
228 100
226 28.3 25.0 37.6
229 22.1 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.521 ng
RT: 16.88 min Scan# 2515
Delta R.T. -0.02 min
Lab File: BF104598.D
Acq: 18 Apr 2018 13:44

Tgt Ion:276 Resp: 37044
Ion Ratio Lower Upper
276 100
138 26.5 25.0 37.6
277 23.4 20.1 30.1

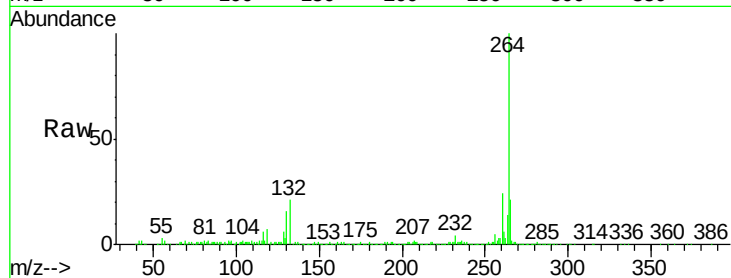




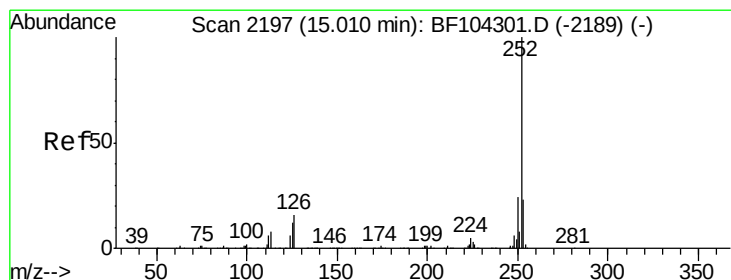
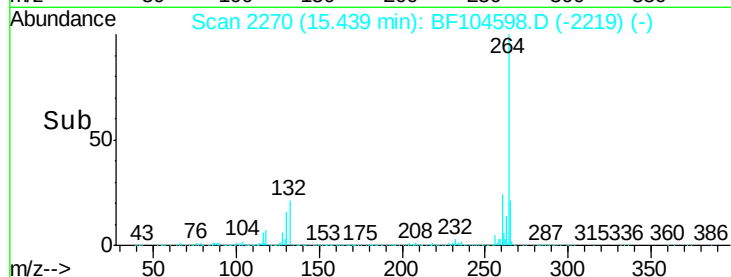
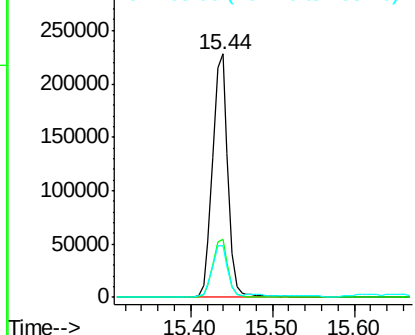
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF104598.D
Acq: 18 Apr 2018 13:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 300612
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 21.4 17.5 26.3

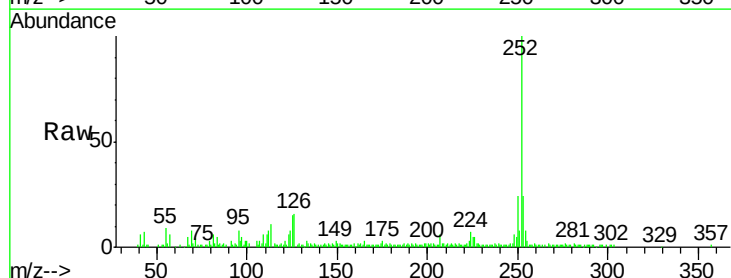


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

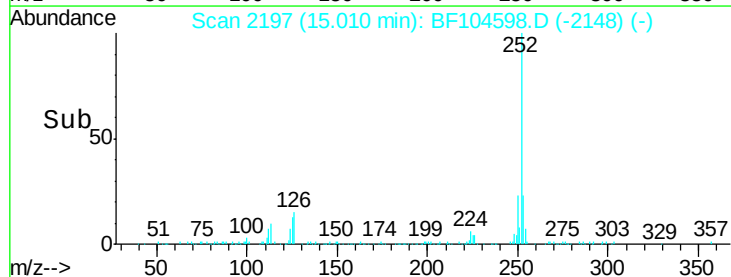
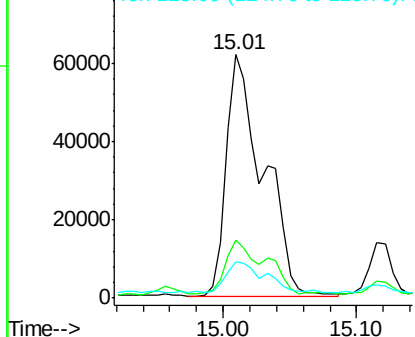


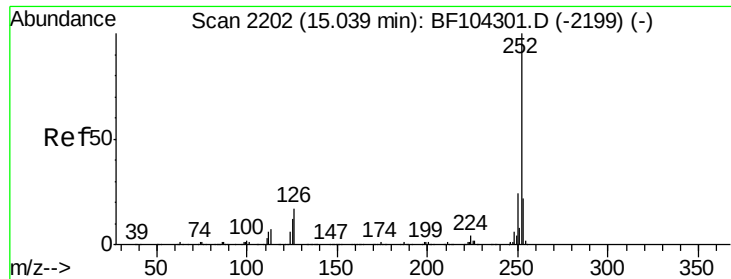
#87
Benzo(b)fluoranthene
Concen: 6.349 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF104598.D
Acq: 18 Apr 2018 13:44

Tgt Ion:252 Resp: 120541
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.6
125 15.0 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

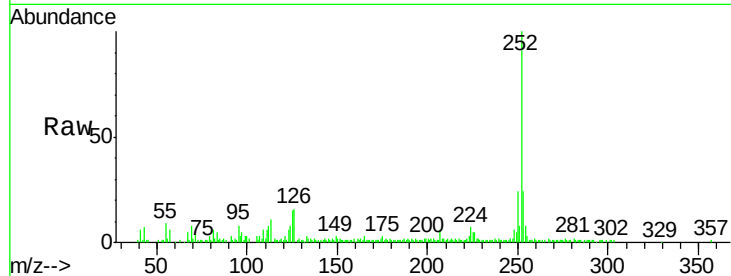




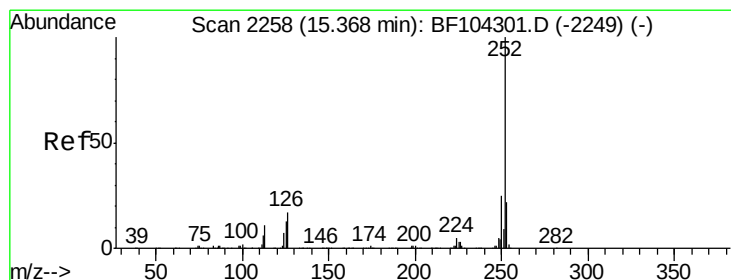
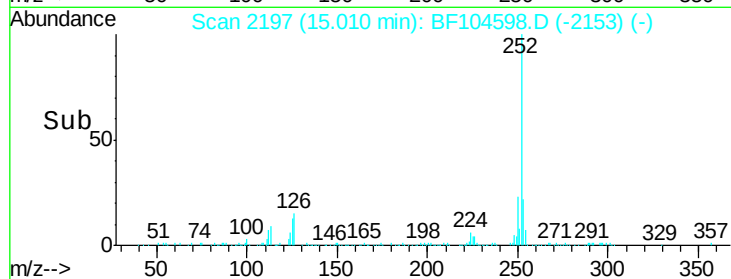
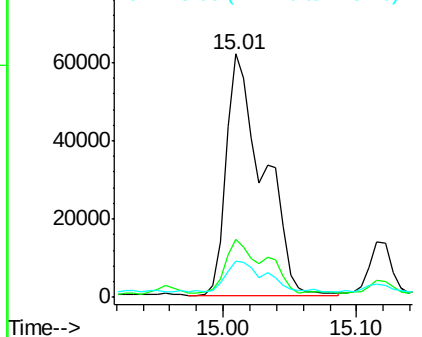
#88
Benzo(k)fluoranthene
Concen: 6.725 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.04 min
Lab File: BF104598.D
Acq: 18 Apr 2018 13:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	15.0	10.2	15.2

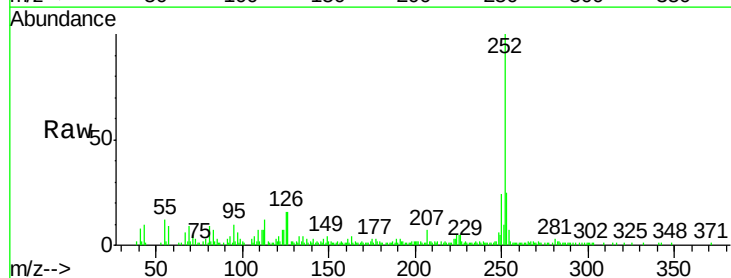


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

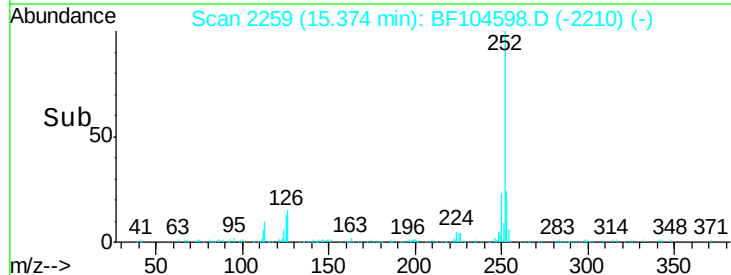
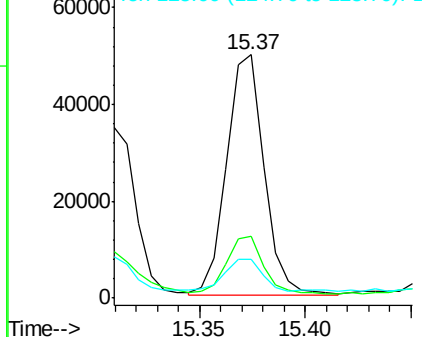


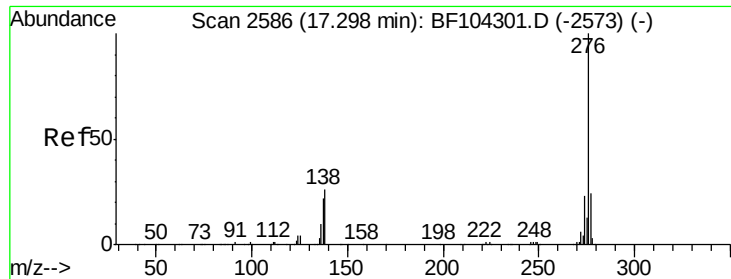
#89
Benzo(a)pyrene
Concen: 3.590 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF104598.D
Acq: 18 Apr 2018 13:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.1	25.7
125	15.7	9.8	14.6



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





#91

Benzo(a,h,i)perylene

Concen: 2.877 ng

RT: 17.32 min Scan# 2590

Delta R.T. -0.02 min

Lab File: BF104598.D

Acq: 18 Apr 2018 13:44

Instrument :

BNA_F

ClientSampleId :

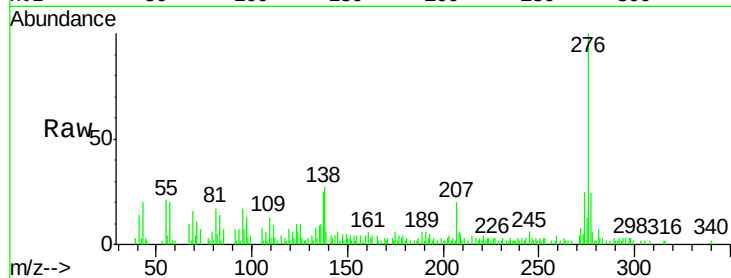
Tot Ion: 276 Resp: 38886

Ion Ratio Lower Upper

276 100

277 24.3 17.9 26.9

138 27.5 21.8 32.8



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

