

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101617\
 Data File : BF099544.D
 Acq On : 16 Oct 2017 15:08
 Operator : SJ/JU
 Sample : I5820-01 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 16 23:25:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

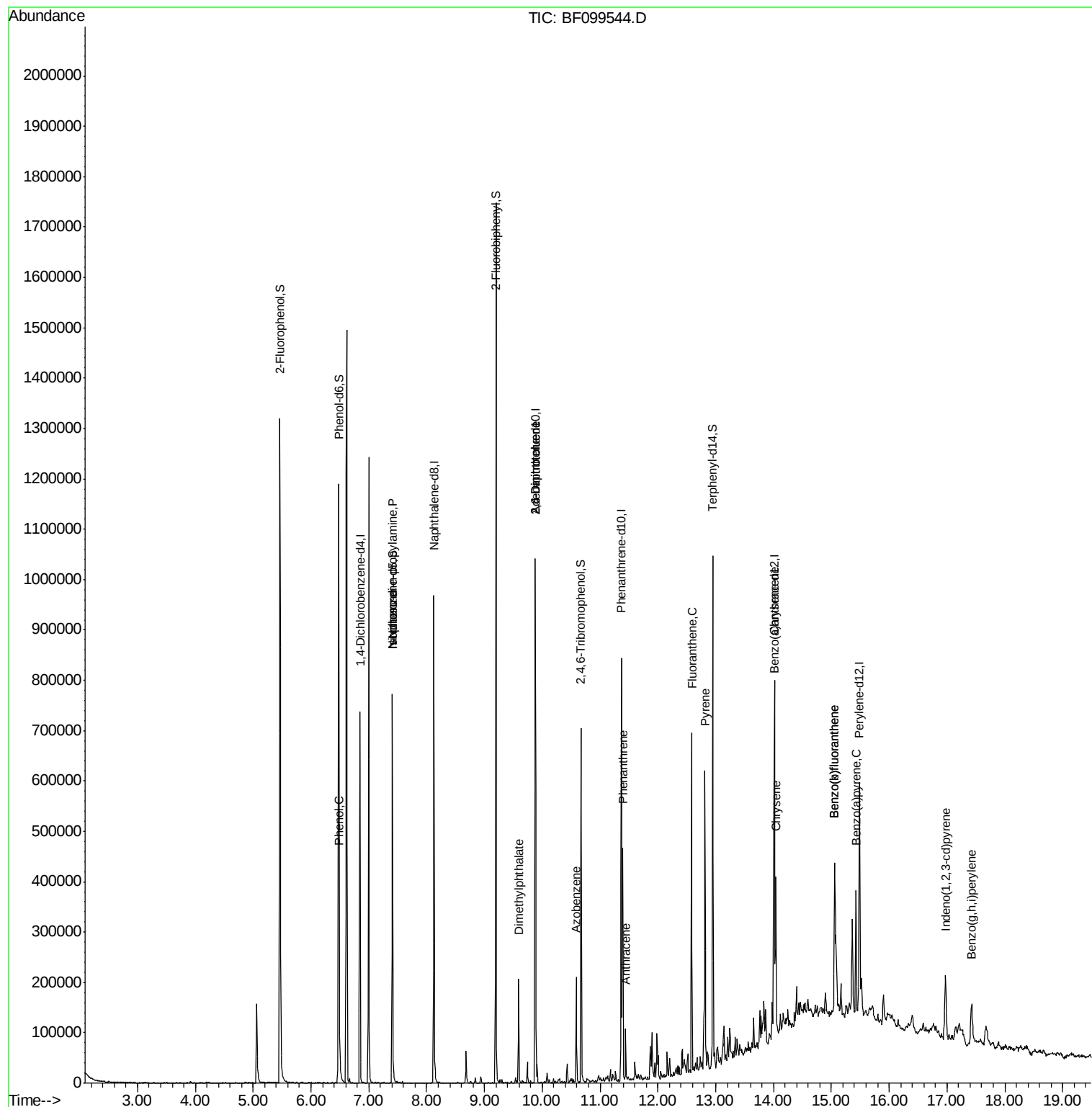
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	111844	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	448853	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	189266	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	276113	20.00	ng	0.00
75) Chrysene-d12	14.02	240	187037	20.00	ng	0.00
86) Perylene-d12	15.49	264	202816	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	395457	56.29	ng	0.00
7) Phenol-d6	6.48	99	461077	53.20	ng	0.00
23) Nitrobenzene-d5	7.41	82	265712	37.96	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	76397	49.33	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	495419	43.70	ng	-0.01
78) Terphenyl-d14	12.95	244	286715	34.86	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.49	94	31237	3.22	ng	93
19) n-Nitroso-di-n-propylamine	7.41	70	33636	6.08	ng	# 73
25) Isophorone	7.41	82	265709	18.36	ng	# 64
49) Dimethylphthalate	9.59	163	77565	5.43	ng	99
50) 2,6-Dinitrotoluene	9.88	165	23828	7.66	ng	# 26
56) 2,4-Dinitrotoluene	9.88	165	23828	5.90	ng	# 23
62) Azobenzene	10.59	77	31806	2.48	ng	# 1
70) Phenanthrene	11.39	178	159669	10.80	ng	97
71) Anthracene	11.45	178	36125	2.39	ng	97
74) Fluoranthene	12.59	202	243905	16.30	ng	98
77) Pyrene	12.82	202	217896	15.28	ng	99
80) Benzo(a)anthracene	14.00	228	120853	10.67	ng	99
82) Chrysene	14.04	228	102239	9.48	ng	99
85) Indeno(1,2,3-cd)pyrene	16.97	276	65265	7.57	ng	99
87) Benzo(b)fluoranthene	15.06	252	203843	16.35	ng	# 94
88) Benzo(k)fluoranthene	15.06	252	203843	16.55	ng	97
89) Benzo(a)pyrene	15.43	252	110380	9.64	ng	# 96
91) Benzo(g,h,i)perylene	17.42	276	60649	6.70	ng	93

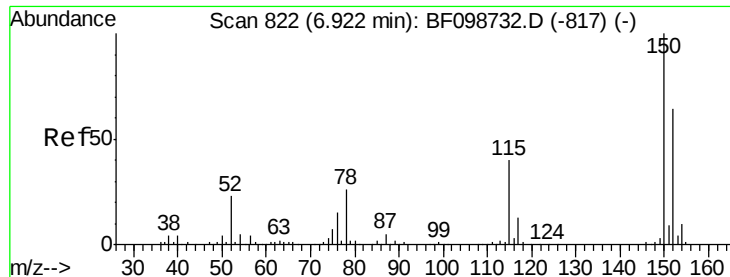
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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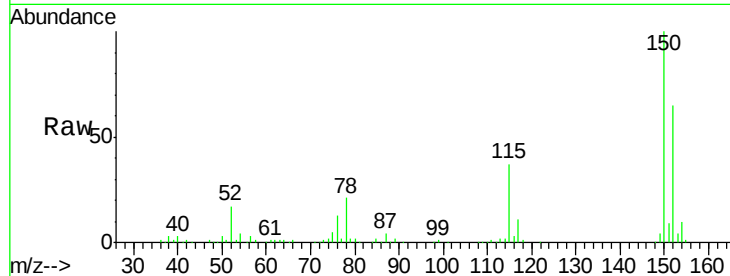


#1

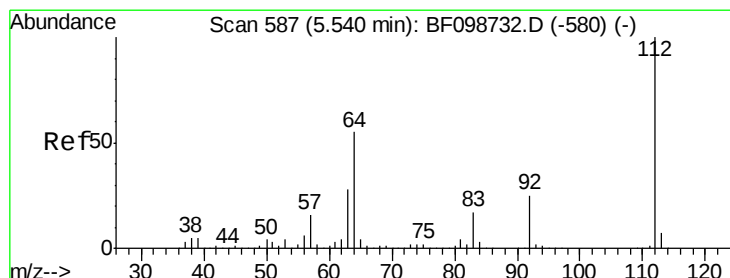
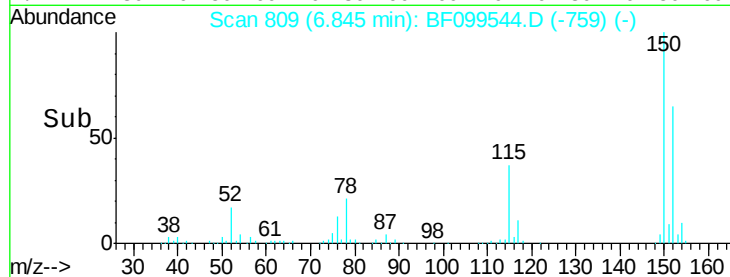
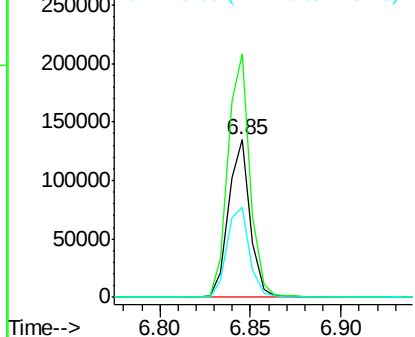
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF099544.D
Acq: 16 Oct 2017 15:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 111844
Ion Ratio Lower Upper
152 100
150 154.7 124.6 186.8
115 57.0 50.1 75.1



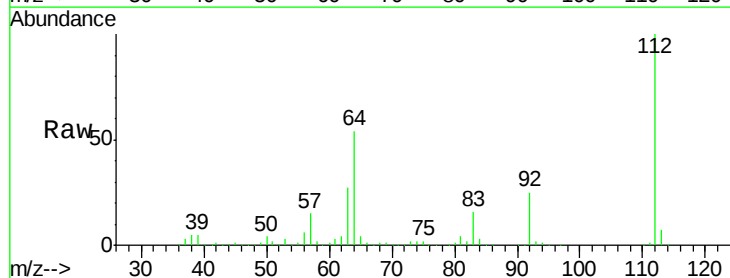
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



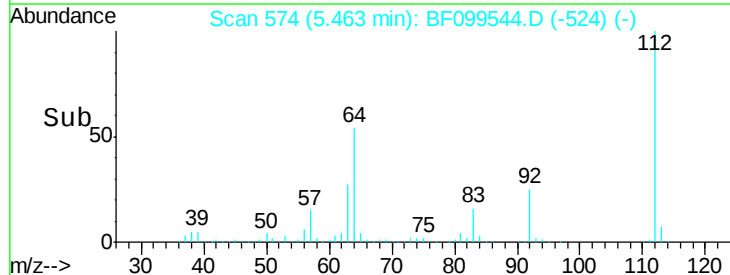
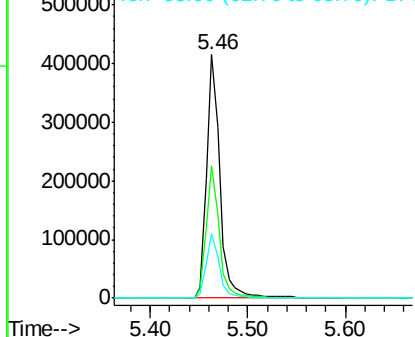
#5

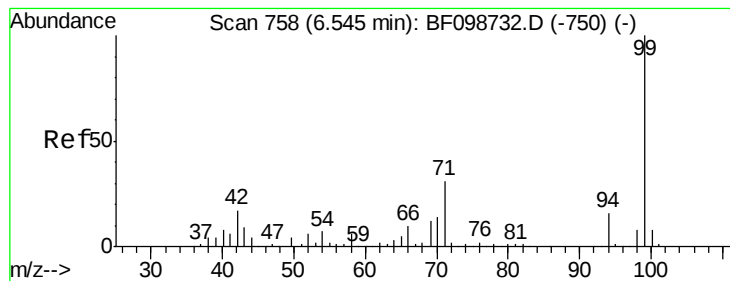
2-Fluorophenol
Concen: 56.29 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF099544.D
Acq: 16 Oct 2017 15:08

Tgt Ion:112 Resp: 395457
Ion Ratio Lower Upper
112 100
64 54.2 47.9 71.9
63 26.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 53.20 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099544.D

Acq: 16 Oct 2017 15:08

Instrument :

BNA_F

ClientSampleId :

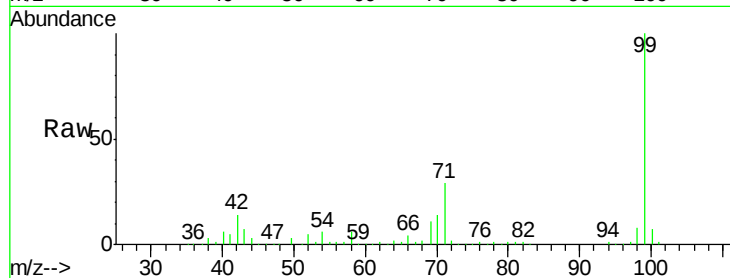
Tot Ion: 99 Resp: 461077

Ion Ratio Lower Upper

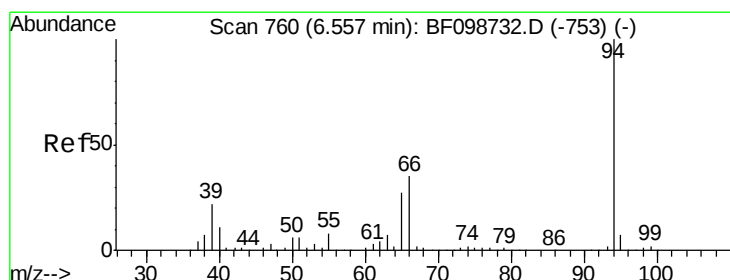
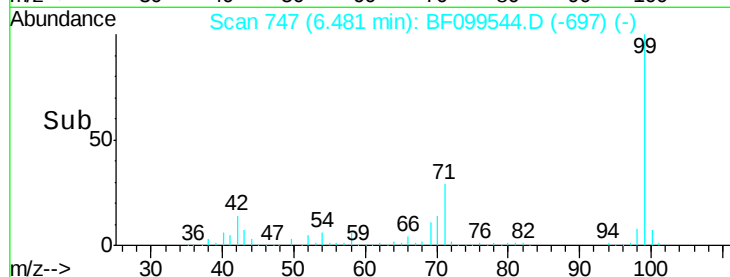
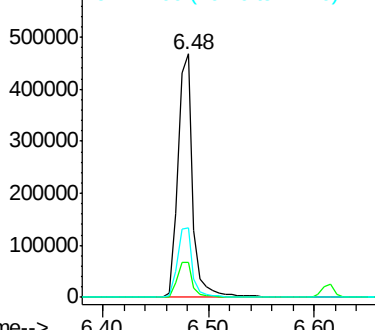
99 100

42 14.2 14.5 21.7#

71 28.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.22 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099544.D

Acq: 16 Oct 2017 15:08

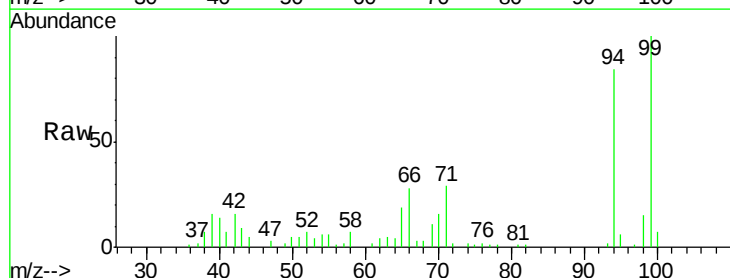
Tgt Ion: 94 Resp: 31237

Ion Ratio Lower Upper

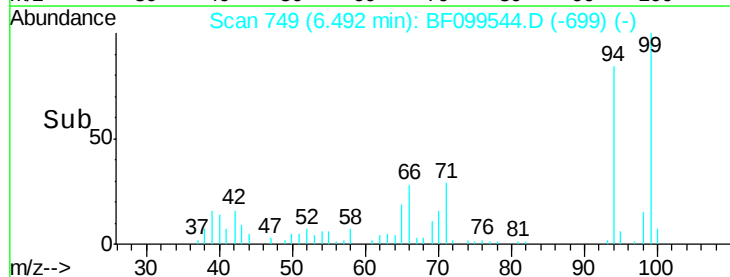
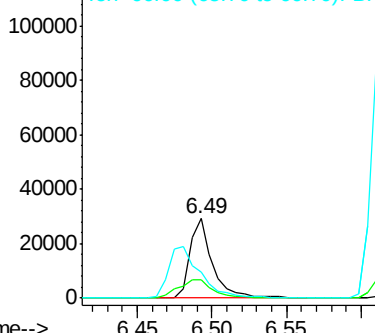
94 100

65 22.6 7.9 47.9

66 33.0 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

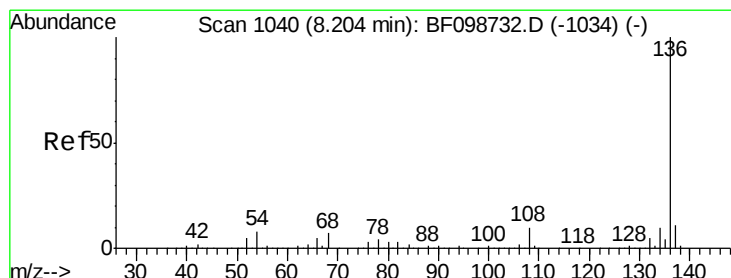
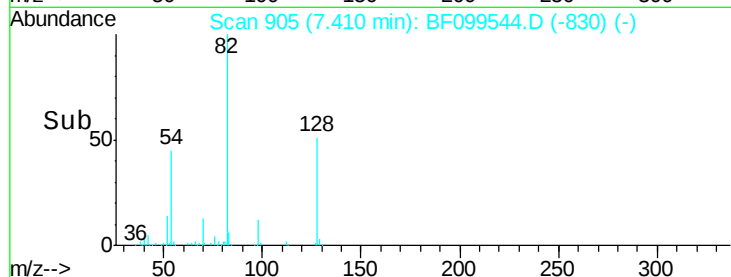
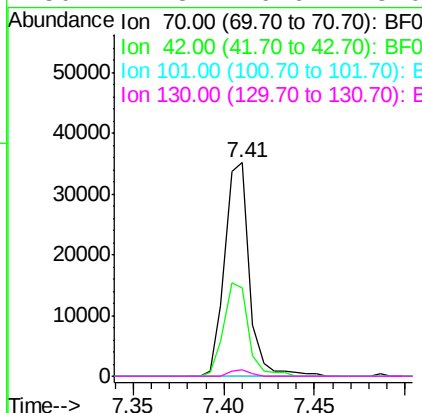
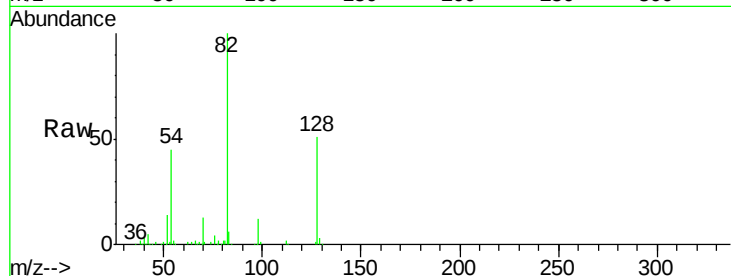




#19
n-Nitroso-di-n-propylamine
Concen: 6.08 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.14 min
Lab File: BF099544.D
Acq: 16 Oct 2017 15:08

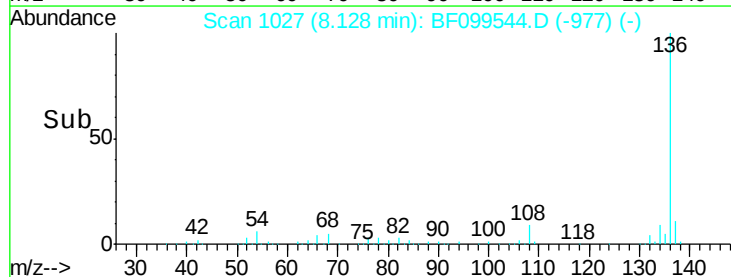
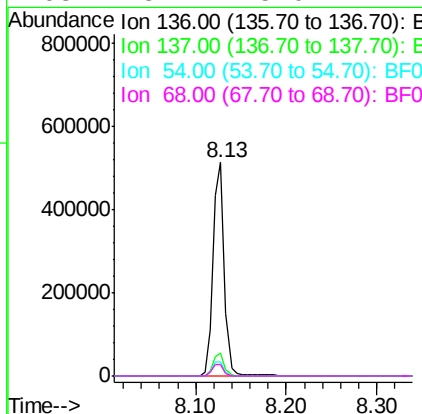
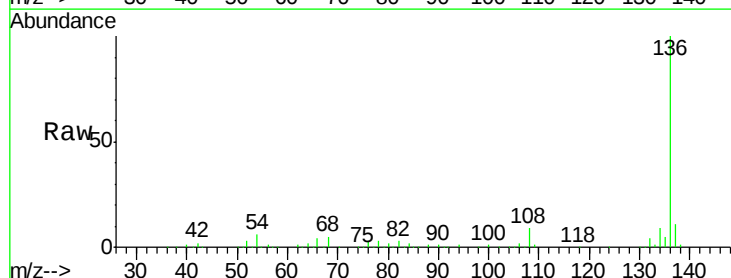
Instrument :
BNA_F
ClientSampleId :

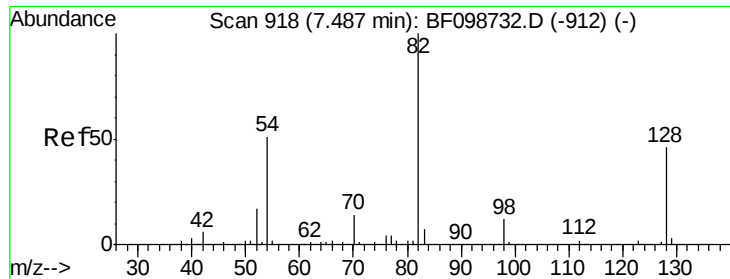
Tot Ion: 70 Resp: 33636
Ion Ratio Lower Upper
70 100
42 41.6 47.5 71.3#
101 0.0 7.4 11.2#
130 2.8 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF099544.D
Acq: 16 Oct 2017 15:08

Tgt Ion: 136 Resp: 448853
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 6.4 6.6 9.8#
68 5.4 5.0 7.4





#23

Nitrobenzene-d5

Concen: 37.96 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF099544.D

Acq: 16 Oct 2017 15:08

Instrument :

BNA_F

ClientSampleId :

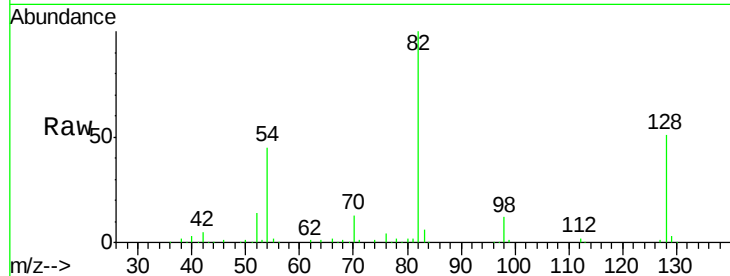
Tot Ion: 82 Resp: 265712

Ion Ratio Lower Upper

82 100

128 51.0 36.1 54.1

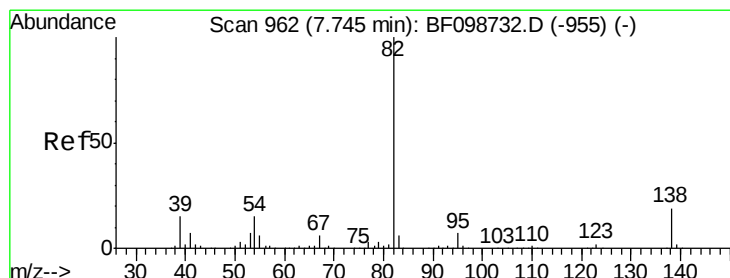
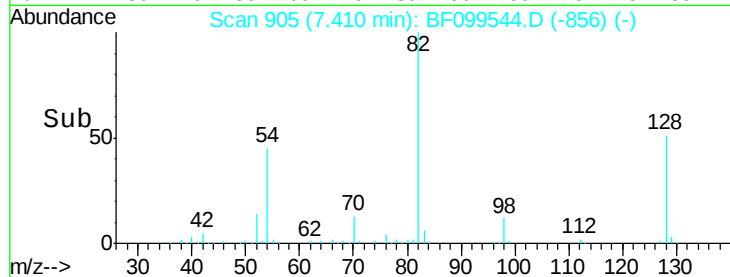
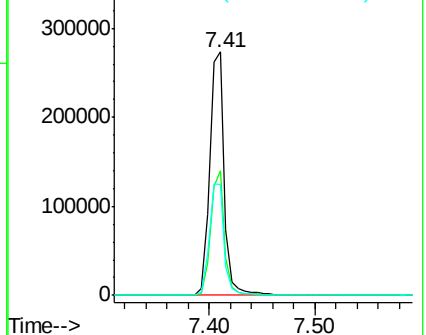
54 45.3 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 18.36 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF099544.D

Acq: 16 Oct 2017 15:08

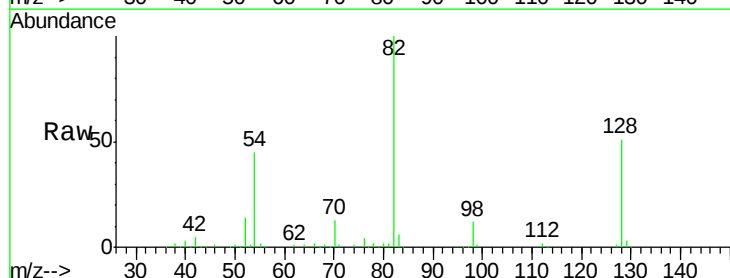
Tgt Ion: 82 Resp: 265709

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

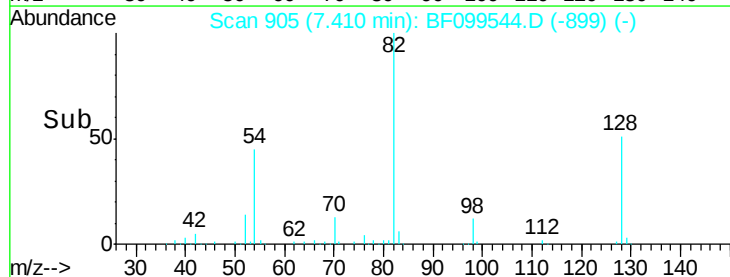
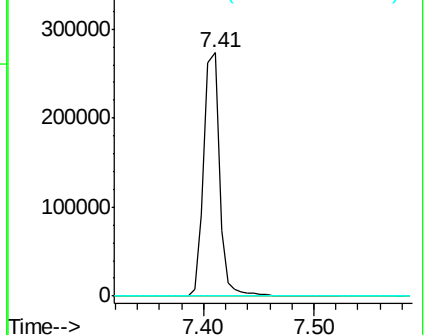
138 0.0 14.9 22.3#

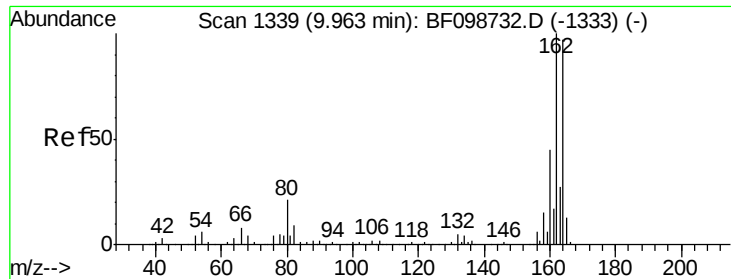


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

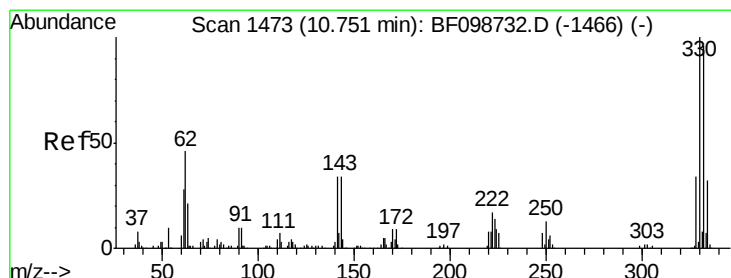
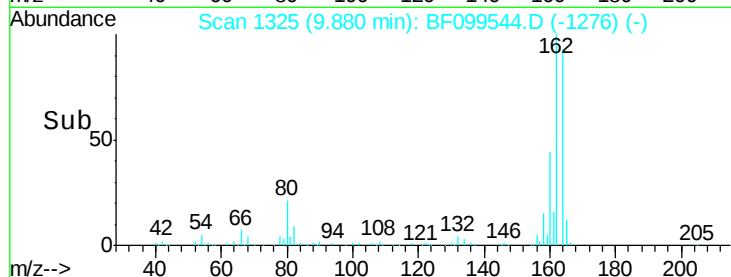
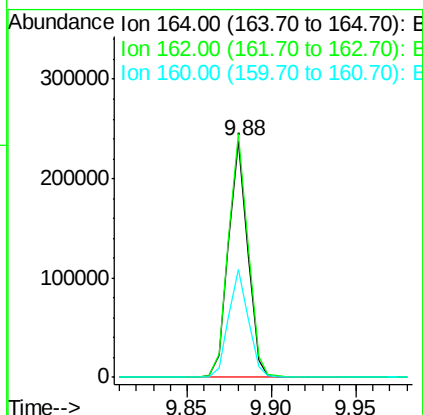
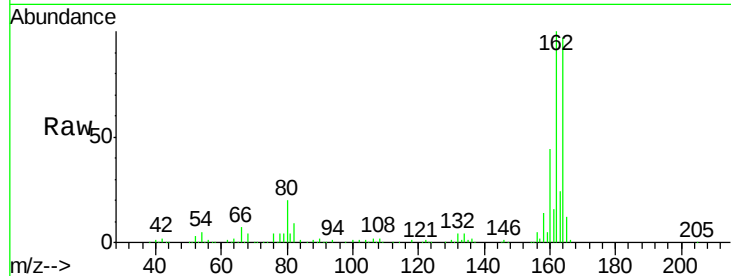




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF099544.D
 Acq: 16 Oct 2017 15:08

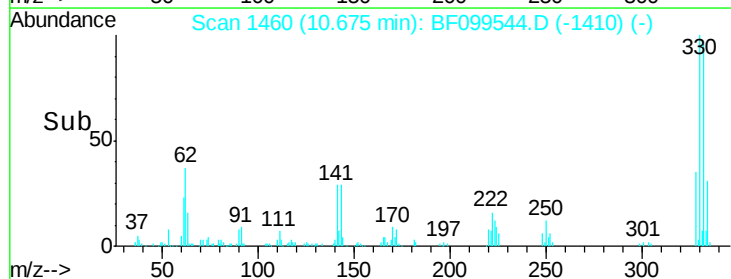
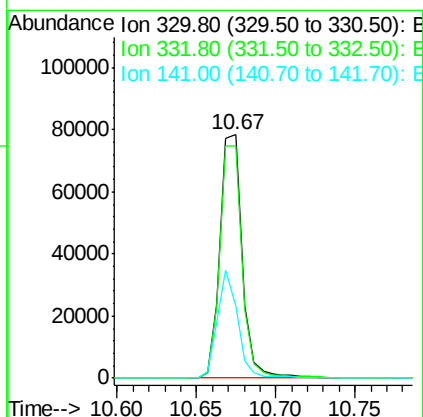
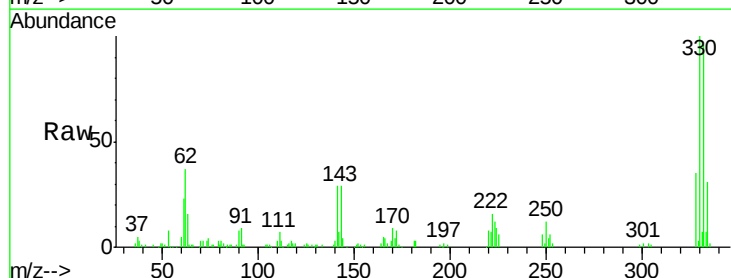
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 189266
 Ion Ratio Lower Upper
 164 100
 162 103.1 86.1 129.1
 160 45.6 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 49.33 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF099544.D
 Acq: 16 Oct 2017 15:08

Tgt Ion:330 Resp: 76397
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 40.3 29.9 44.9

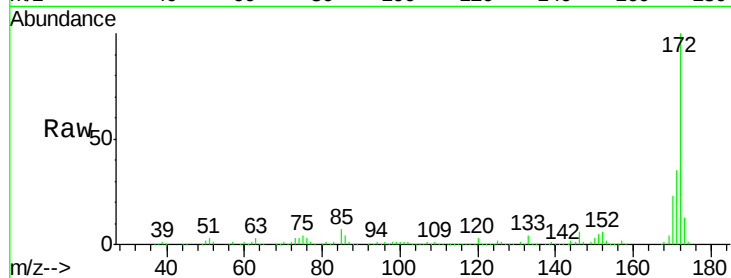




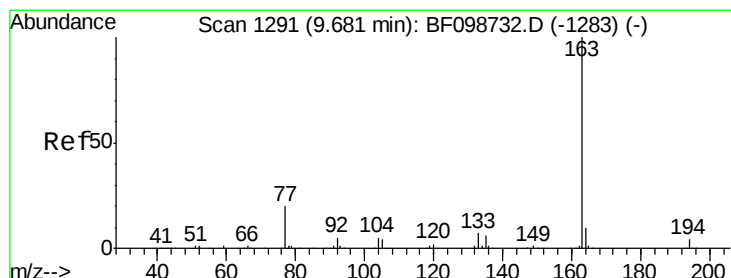
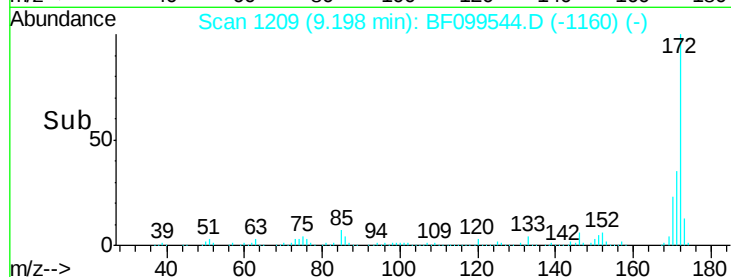
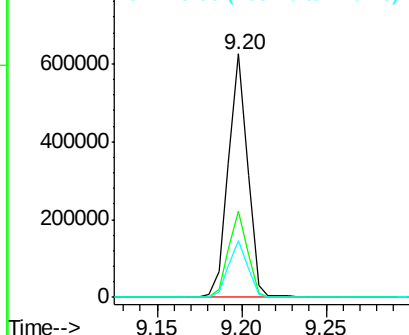
#44
2-Fluorobiphenyl
Concen: 43.70 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF099544.D
Acq: 16 Oct 2017 15:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 495419
Ion Ratio Lower Upper
172 100
171 35.2 29.7 44.5
170 23.4 19.6 29.4

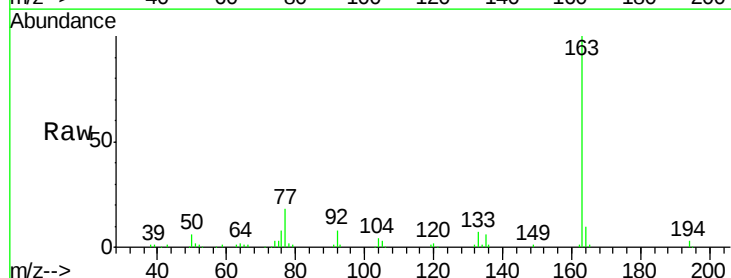


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

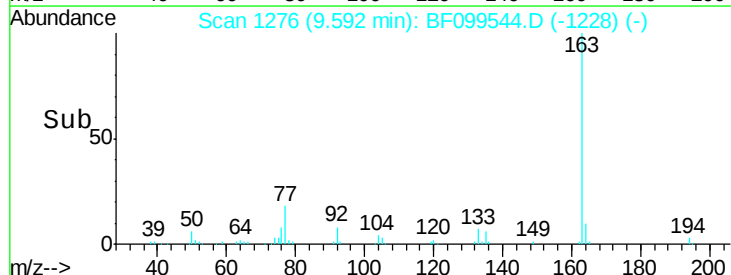
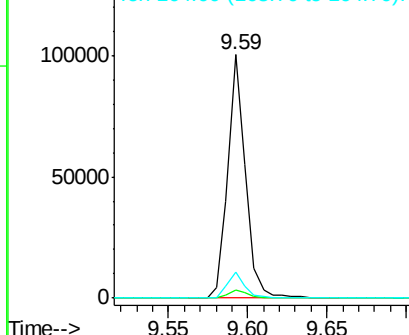


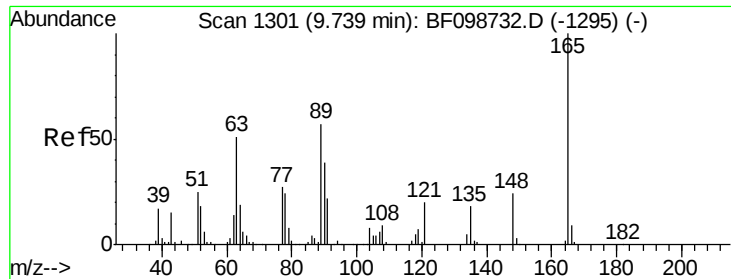
#49
Dimethylphthalate
Concen: 5.43 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF099544.D
Acq: 16 Oct 2017 15:08

Tgt Ion:163 Resp: 77565
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.5 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

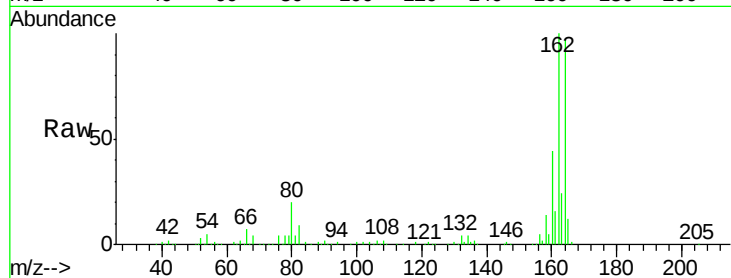




#50
 2,6-Dinitrotoluene
 Concen: 7.66 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.20 min
 Lab File: BF099544.D
 Acq: 16 Oct 2017 15:08

Instrument :
 BNA_F
 ClientSampleId :

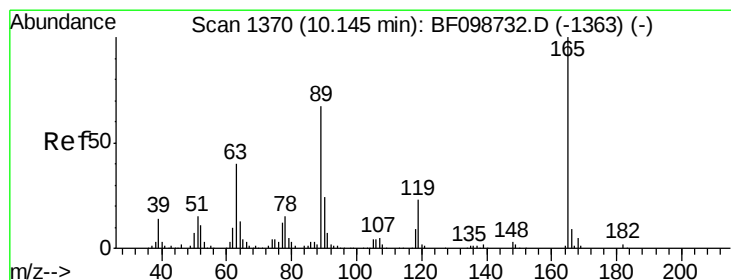
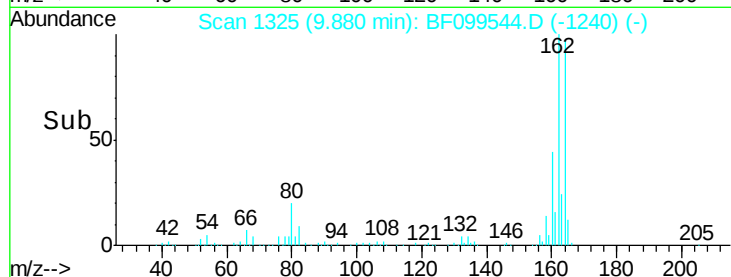
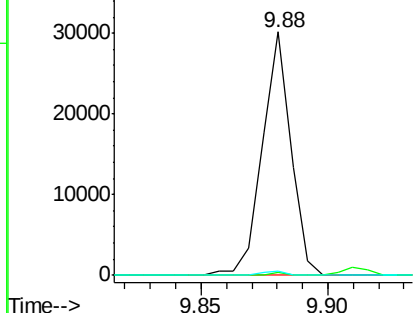
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.8	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 5.90 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.21 min
 Lab File: BF099544.D
 Acq: 16 Oct 2017 15:08

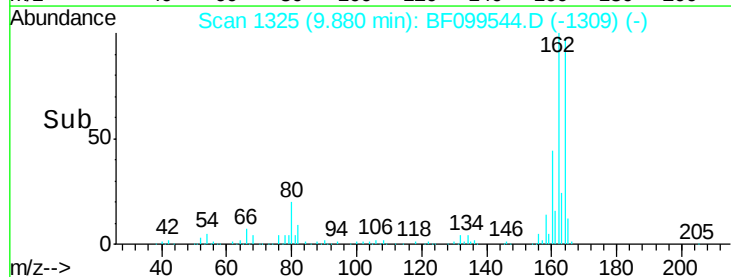
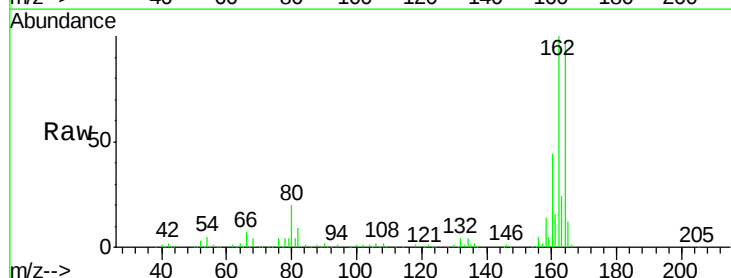
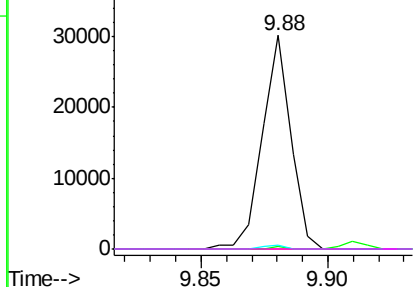
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#

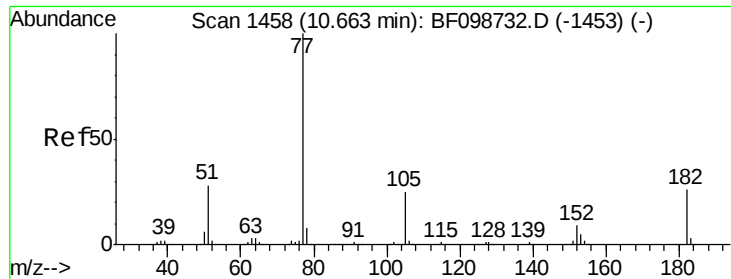
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

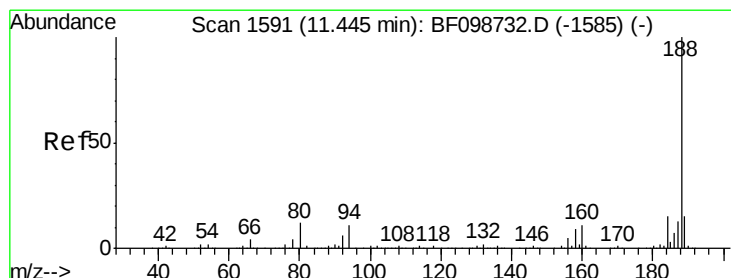
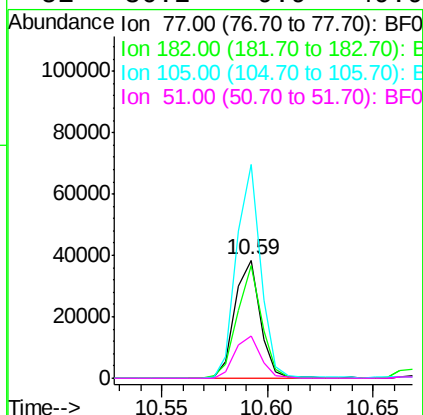
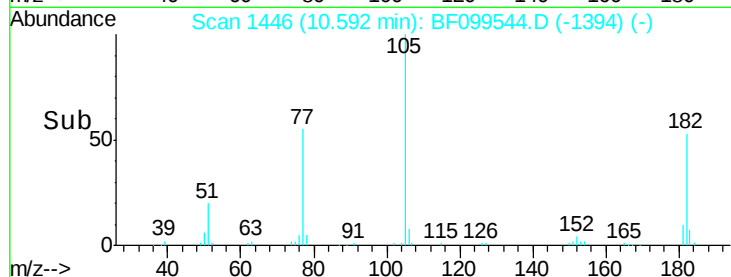
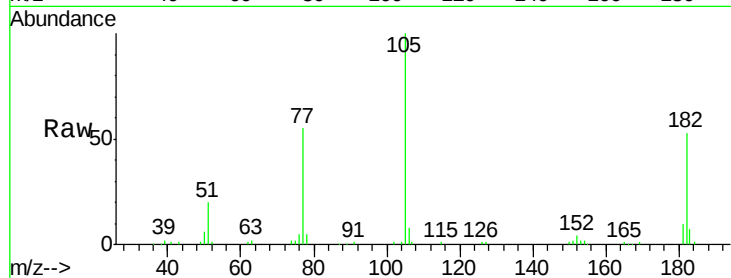




#62
Azobenzene
Concen: 2.48 ng
RT: 10.59 min Scan# 1446
Delta R.T. 0.01 min
Lab File: BF099544.D
Acq: 16 Oct 2017 15:08

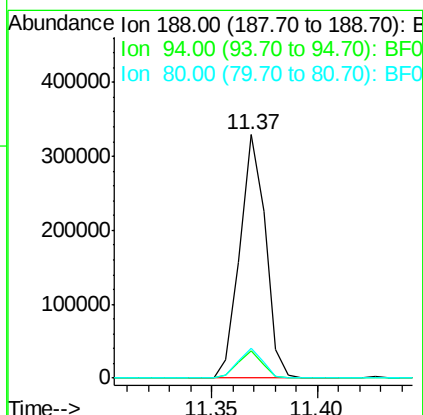
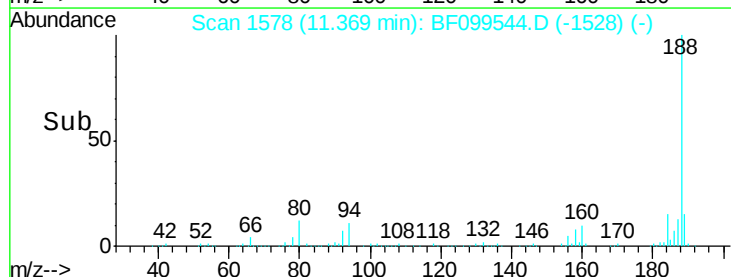
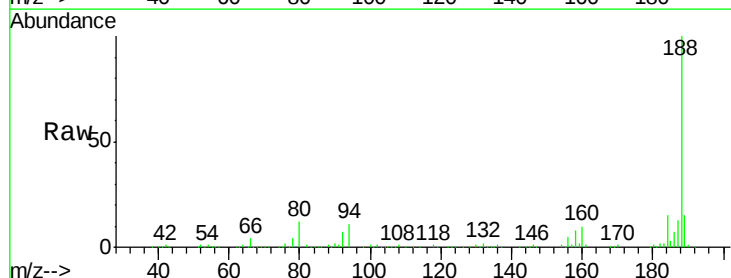
Instrument :
BNA_F
ClientSampleId :

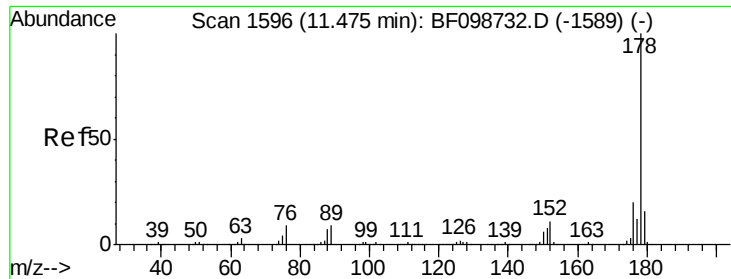
Tot Ion: 77 Resp: 31806
Ion Ratio Lower Upper
77 100
182 94.9 1.7 41.7#
105 180.7 3.0 43.0#
51 36.2 9.9 49.9



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF099544.D
Acq: 16 Oct 2017 15:08

Tgt Ion: 188 Resp: 276113
Ion Ratio Lower Upper
188 100
94 11.4 8.5 12.7
80 12.3 9.2 13.8

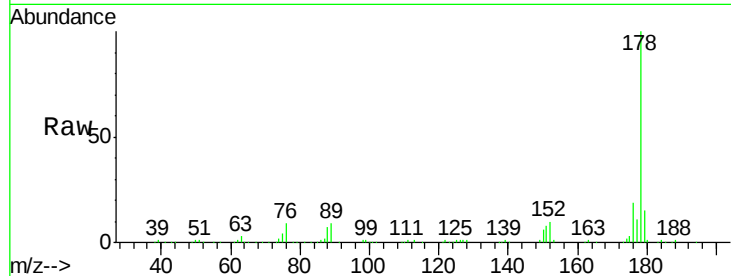




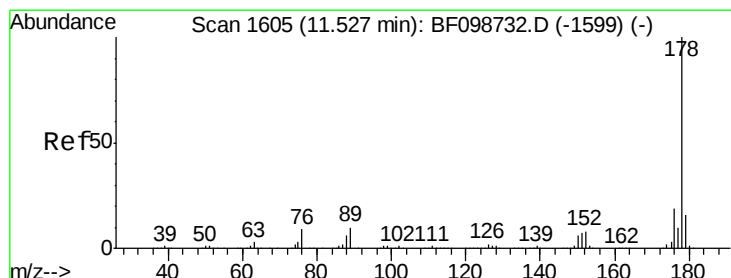
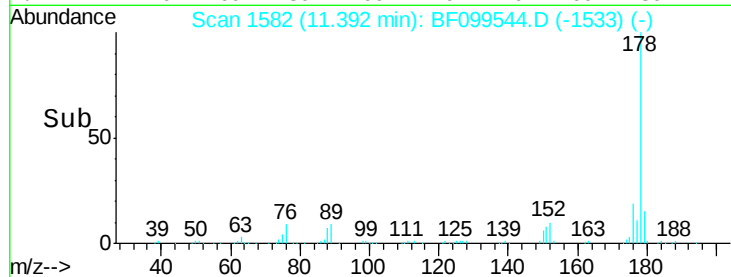
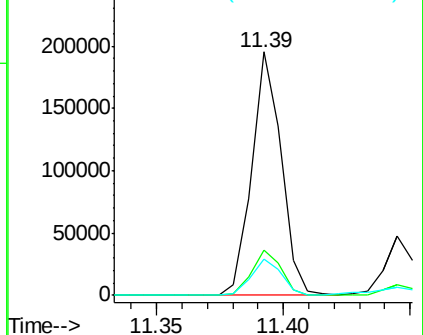
#70
 Phenanthrene
 Concen: 10.80 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF099544.D
 Acq: 16 Oct 2017 15:08

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 159669
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.8 23.8
 179 15.0 13.0 19.6

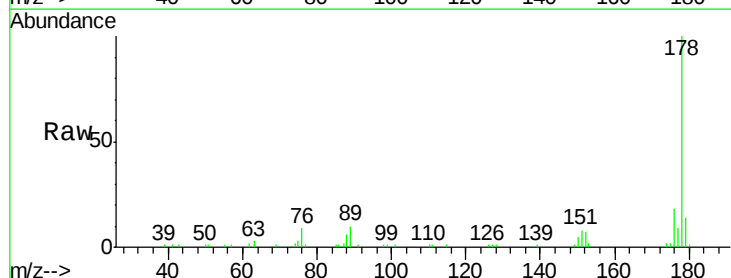


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

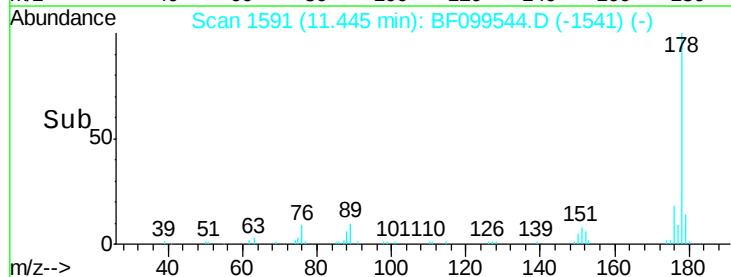
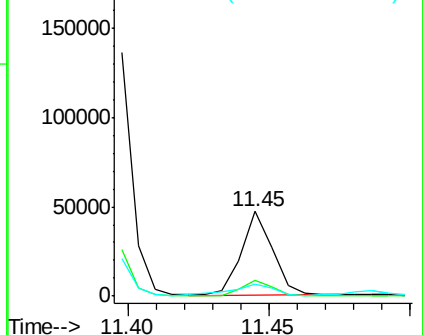


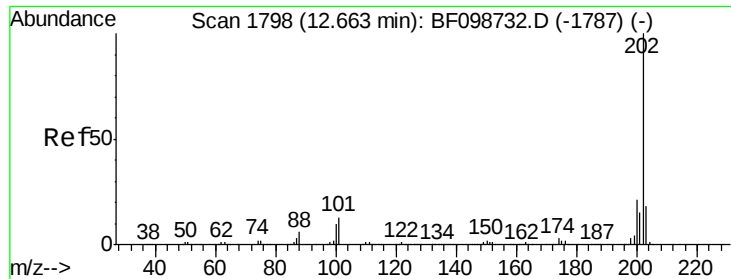
#71
 Anthracene
 Concen: 2.39 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: BF099544.D
 Acq: 16 Oct 2017 15:08

Tgt Ion:178 Resp: 36125
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.2
 179 14.0 12.6 19.0



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: 16.30 ng

RT: 12.59 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BF099544.D

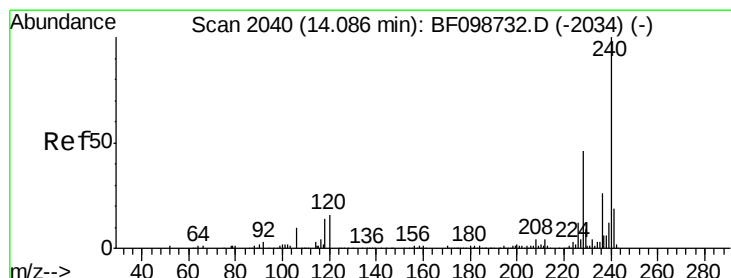
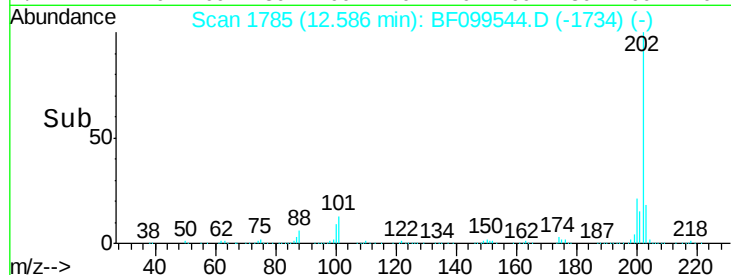
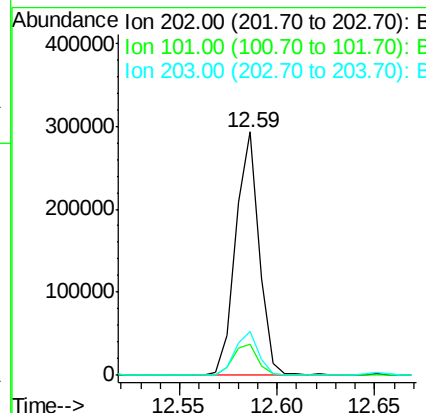
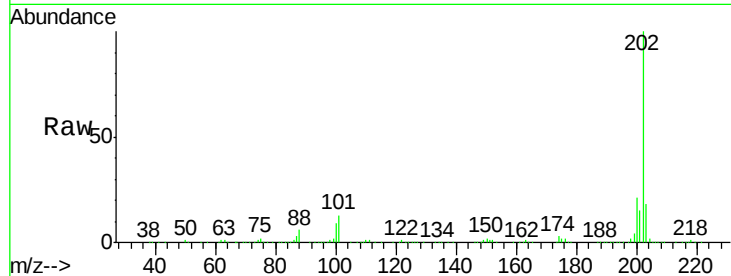
Acq: 16 Oct 2017 15:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	243905
Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	34.1
203	18.0	0.0	38.1



#75

Chrysene-d12

Concen: 20.00 ng

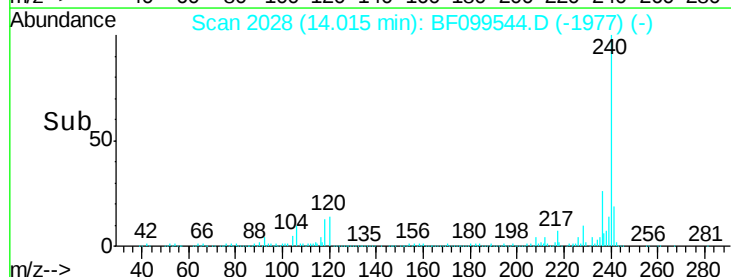
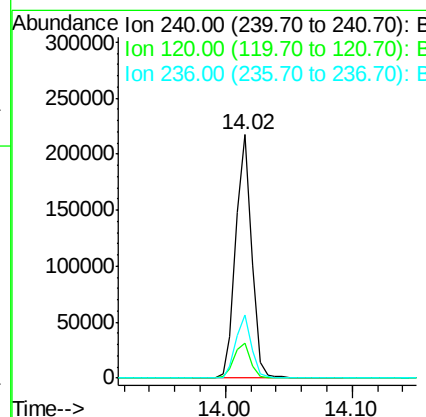
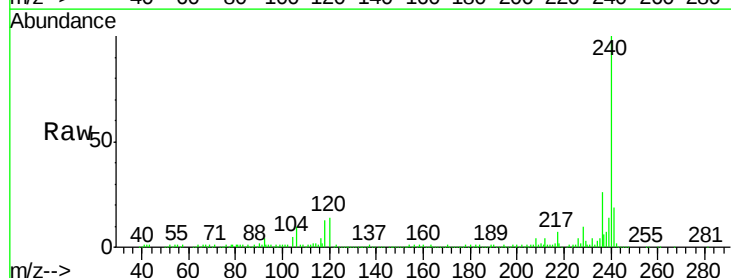
RT: 14.02 min Scan# 2028

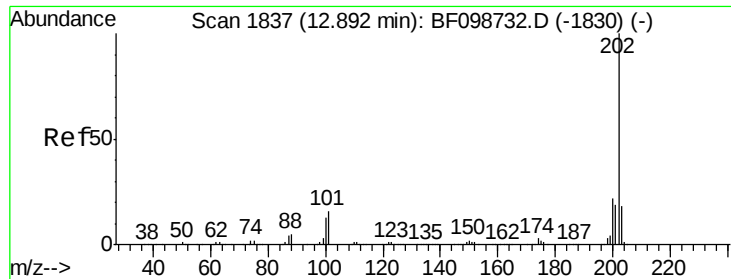
Delta R.T. 0.00 min

Lab File: BF099544.D

Acq: 16 Oct 2017 15:08

Tgt Ion:	240	Resp:	187037
Ion	Ratio	Lower	Upper
240	100		
120	14.4	9.5	14.3#
236	25.8	20.7	31.1

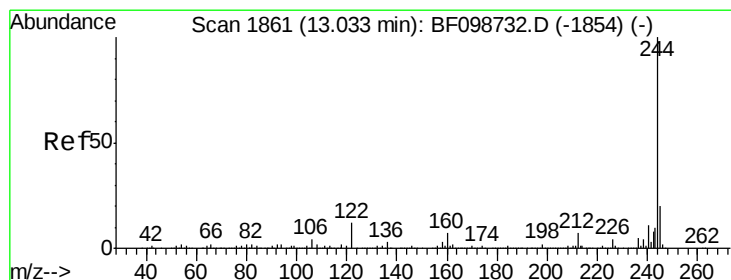
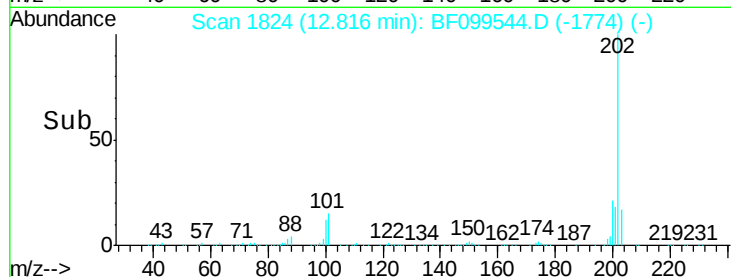
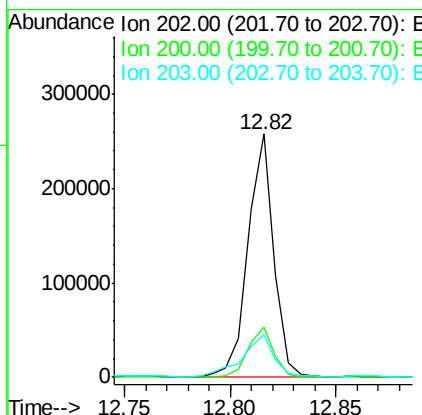
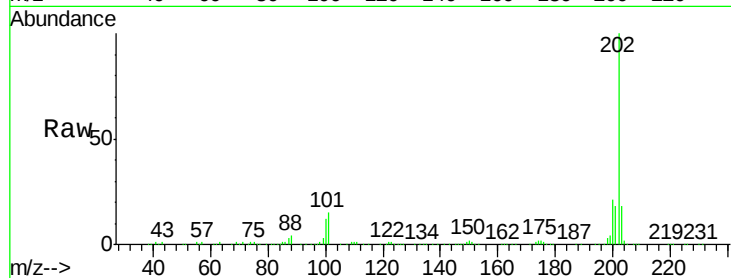




#77
Pvrene
Concen: 15.28 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF099544.D
Acq: 16 Oct 2017 15:08

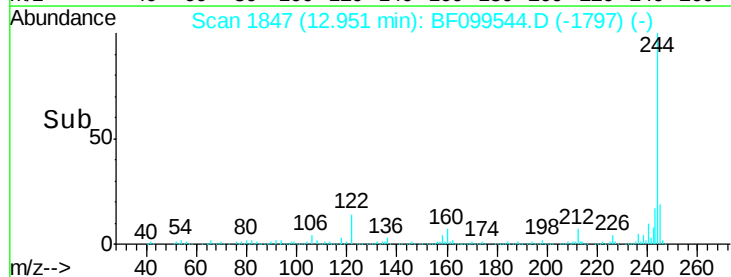
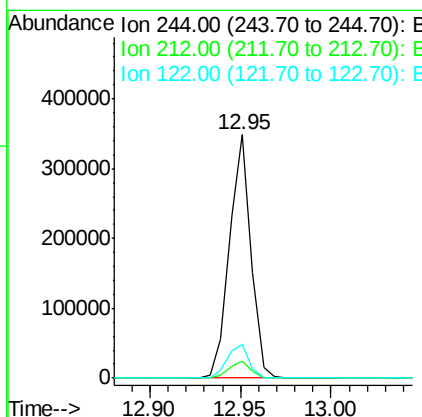
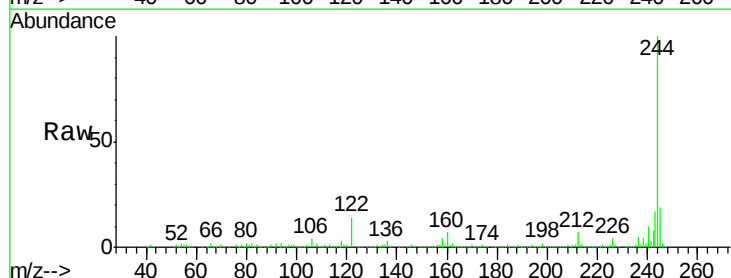
Instrument :
BNA_F
ClientSampleId :

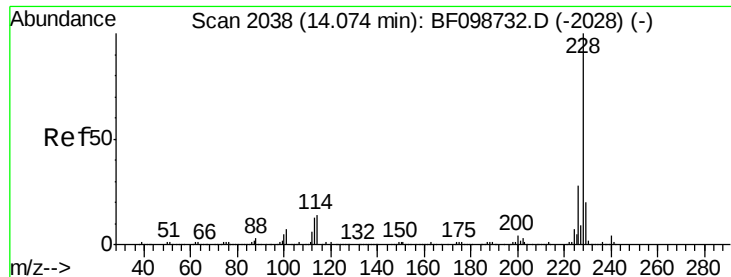
Tot Ion:202 Resp: 217896
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.2
203 17.6 14.3 21.5



#78
Terphenyl-d14
Concen: 34.86 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF099544.D
Acq: 16 Oct 2017 15:08

Tgt Ion:244 Resp: 286715
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 13.8 11.0 16.4

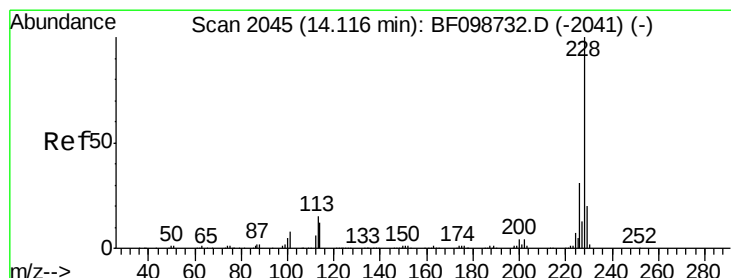
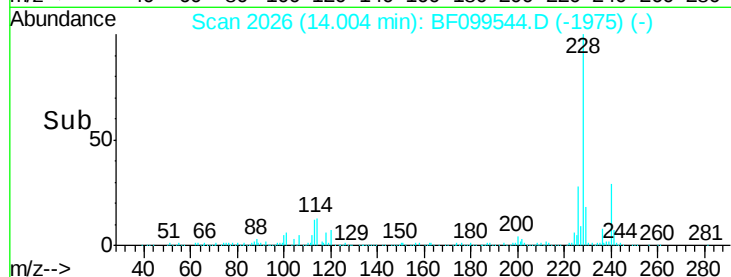
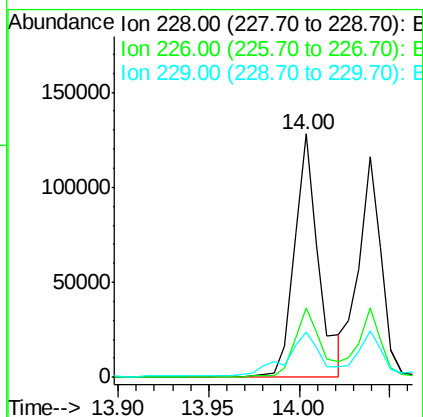
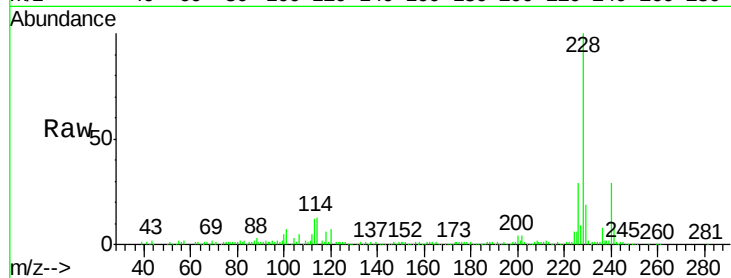




#80
Benzo(a)anthracene
Concen: 10.67 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.00 min
Lab File: BF099544.D
Acq: 16 Oct 2017 15:08

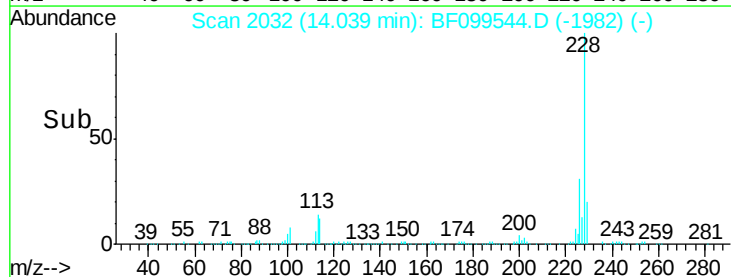
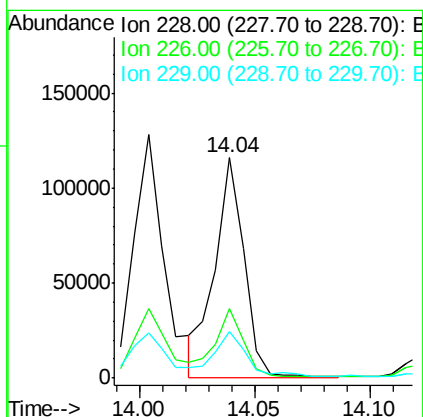
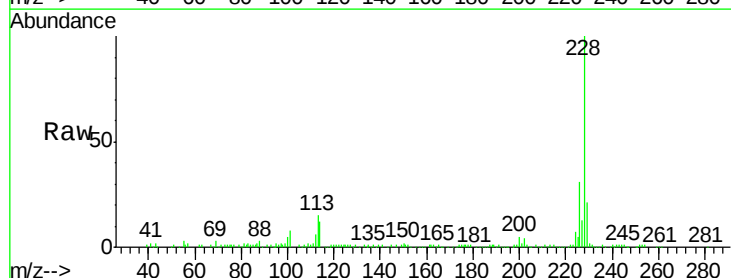
Instrument :
BNA_F
ClientSampleId :

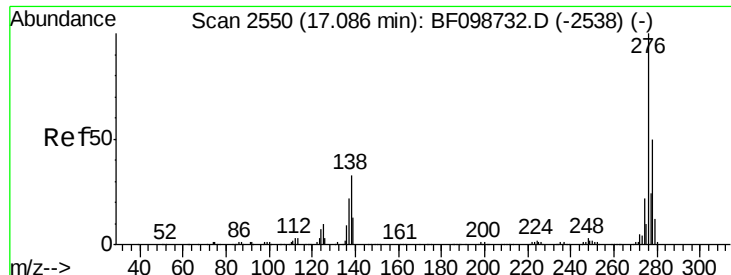
Tot Ion:228 Resp: 120853
Ion Ratio Lower Upper
228 100
226 28.5 22.6 33.8
229 18.6 15.8 23.6



#82
Chrysene
Concen: 9.48 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF099544.D
Acq: 16 Oct 2017 15:08

Tgt Ion:228 Resp: 102239
Ion Ratio Lower Upper
228 100
226 31.4 25.0 37.6
229 21.4 16.2 24.4

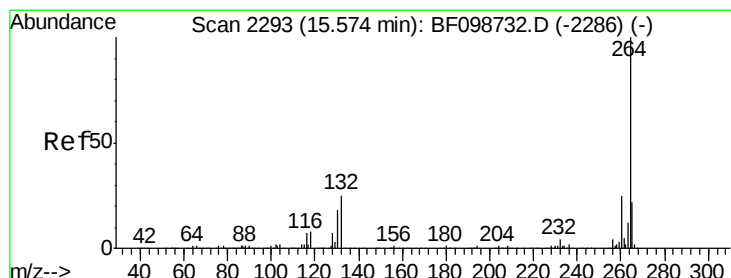
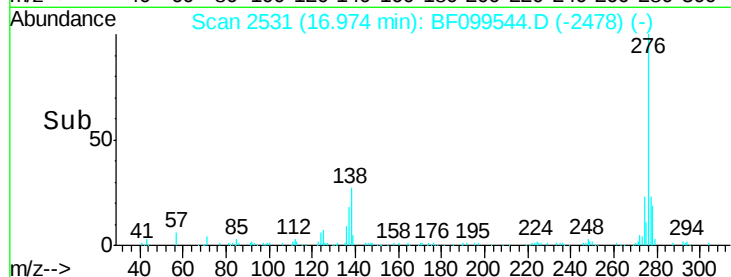
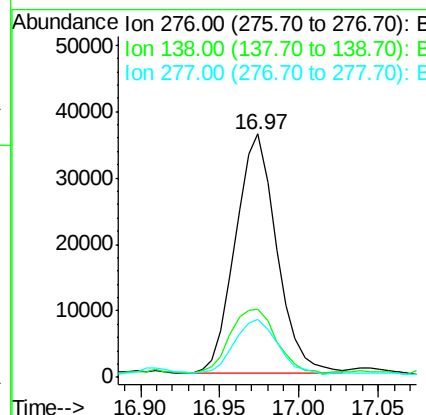
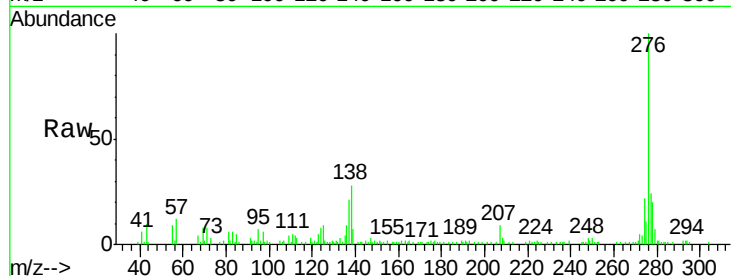




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.57 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. 0.01 min
 Lab File: BF099544.D
 Acq: 16 Oct 2017 15:08

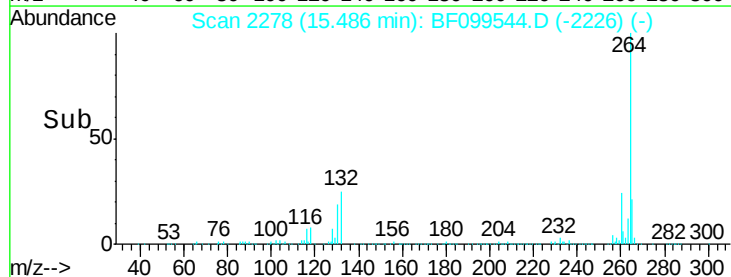
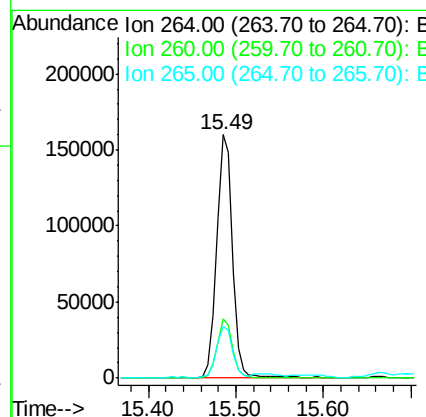
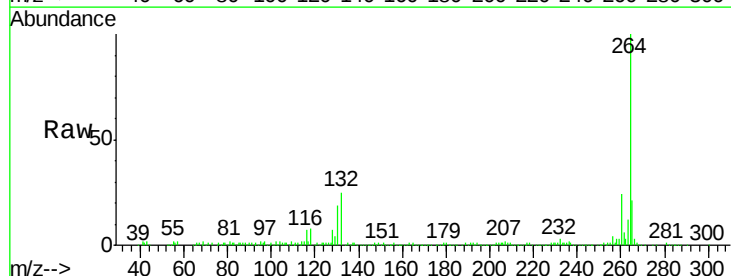
Instrument :
 BNA_F
 ClientSampleId :

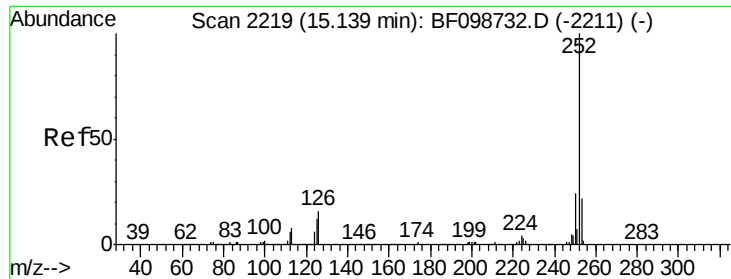
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.4	25.0	37.6
277	24.6	20.1	30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. 0.01 min
 Lab File: BF099544.D
 Acq: 16 Oct 2017 15:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.2	17.5	26.3

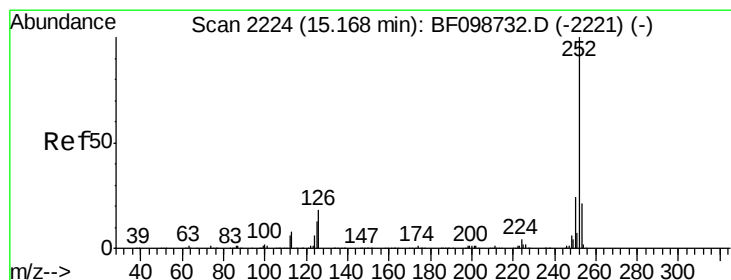
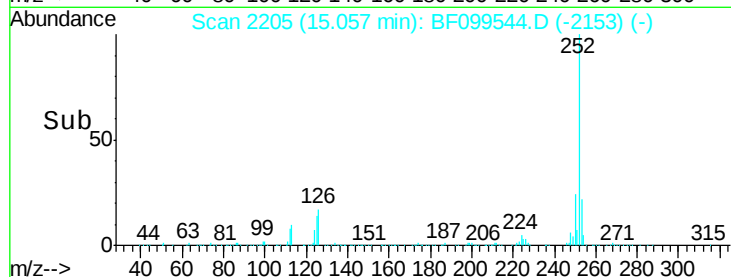
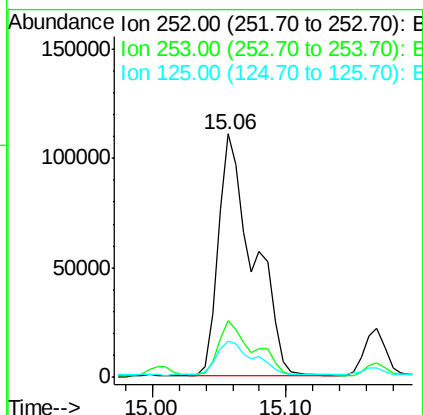
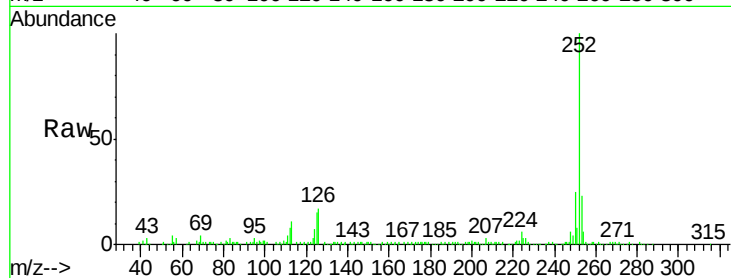




#87
Benzo(b)fluoranthene
Concen: 16.35 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF099544.D
Acq: 16 Oct 2017 15:08

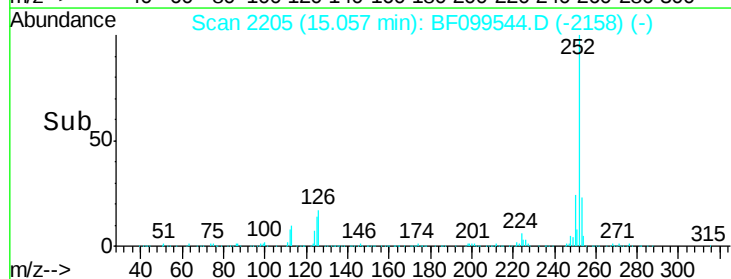
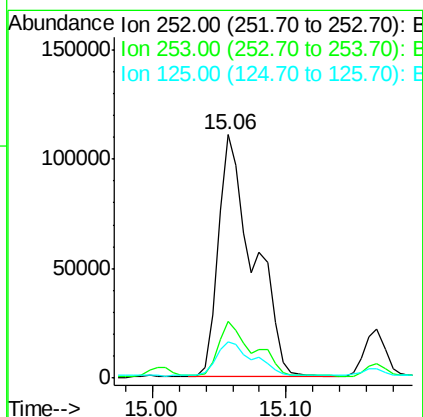
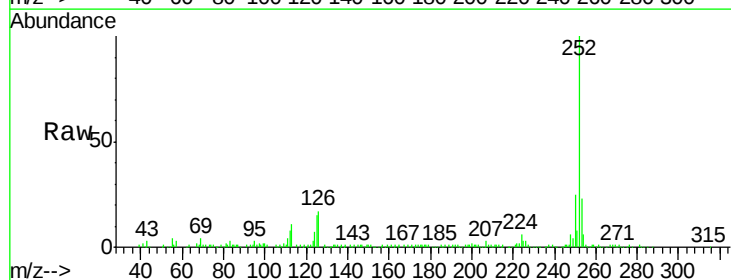
Instrument :
BNA_F
ClientSampled :

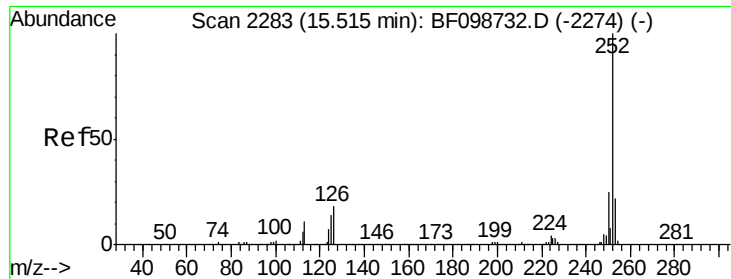
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	15.0	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 16.55 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF099544.D
Acq: 16 Oct 2017 15:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	15.0	10.2	15.2





#89

Benzo(a)pyrene

Concen: 9.64 ng

RT: 15.43 min Scan# 2268

Delta R.T. 0.01 min

Lab File: BF099544.D

Acq: 16 Oct 2017 15:08

Instrument :

BNA_F

ClientSampleId :

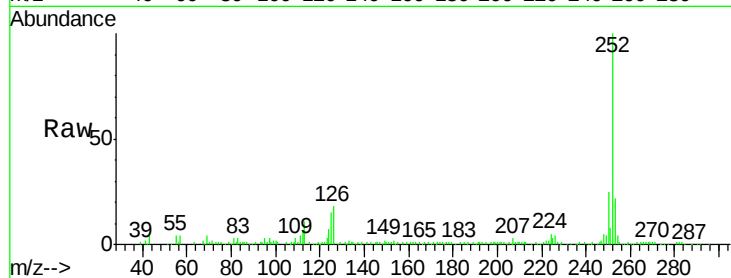
Tot Ion:252 Resp: 110380

Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

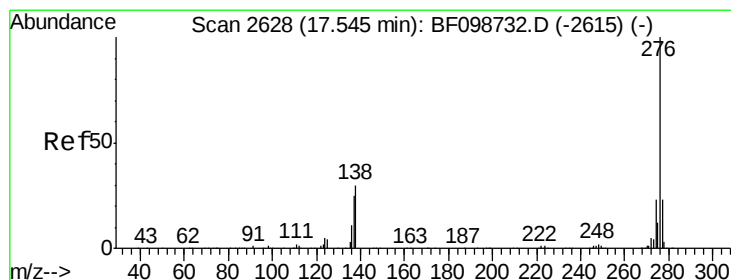
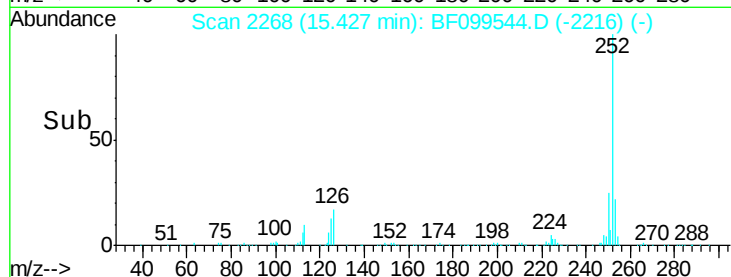
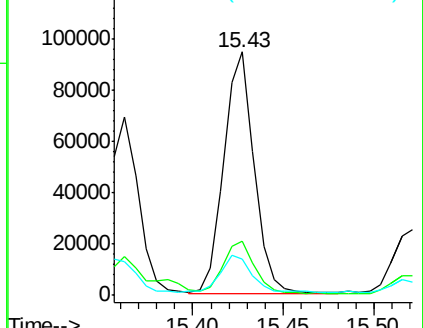
125 14.9 9.8 14.6#



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(g,h,i)perylene

Concen: 6.70 ng

RT: 17.42 min Scan# 2607

Delta R.T. 0.01 min

Lab File: BF099544.D

Acq: 16 Oct 2017 15:08

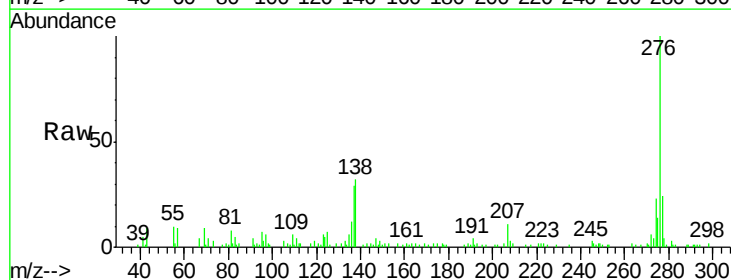
Tgt Ion:276 Resp: 60649

Ion Ratio Lower Upper

276 100

277 24.5 17.9 26.9

138 31.9 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

