

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
 Data File : BF104526.D
 Acq On : 16 Apr 2018 11:40
 Operator : JU/SJ
 Sample : J2357-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 16 12:16:34 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 16 12:15:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	178880	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	714947	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	316575	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	506445	20.00	ng	0.00
75) Chrysene-d12	13.98	240	355011	20.00	ng	-0.01
86) Perylene-d12	15.45	264	303855	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	906645	77.50	ng	0.00
7) Phenol-d6	6.45	99	1248267	86.84	ng	0.00
23) Nitrobenzene-d5	7.37	82	807065	73.71	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	188814	57.50	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1220916	60.93	ng	0.00
78) Terphenyl-d14	12.93	244	957353	61.48	ng	0.00

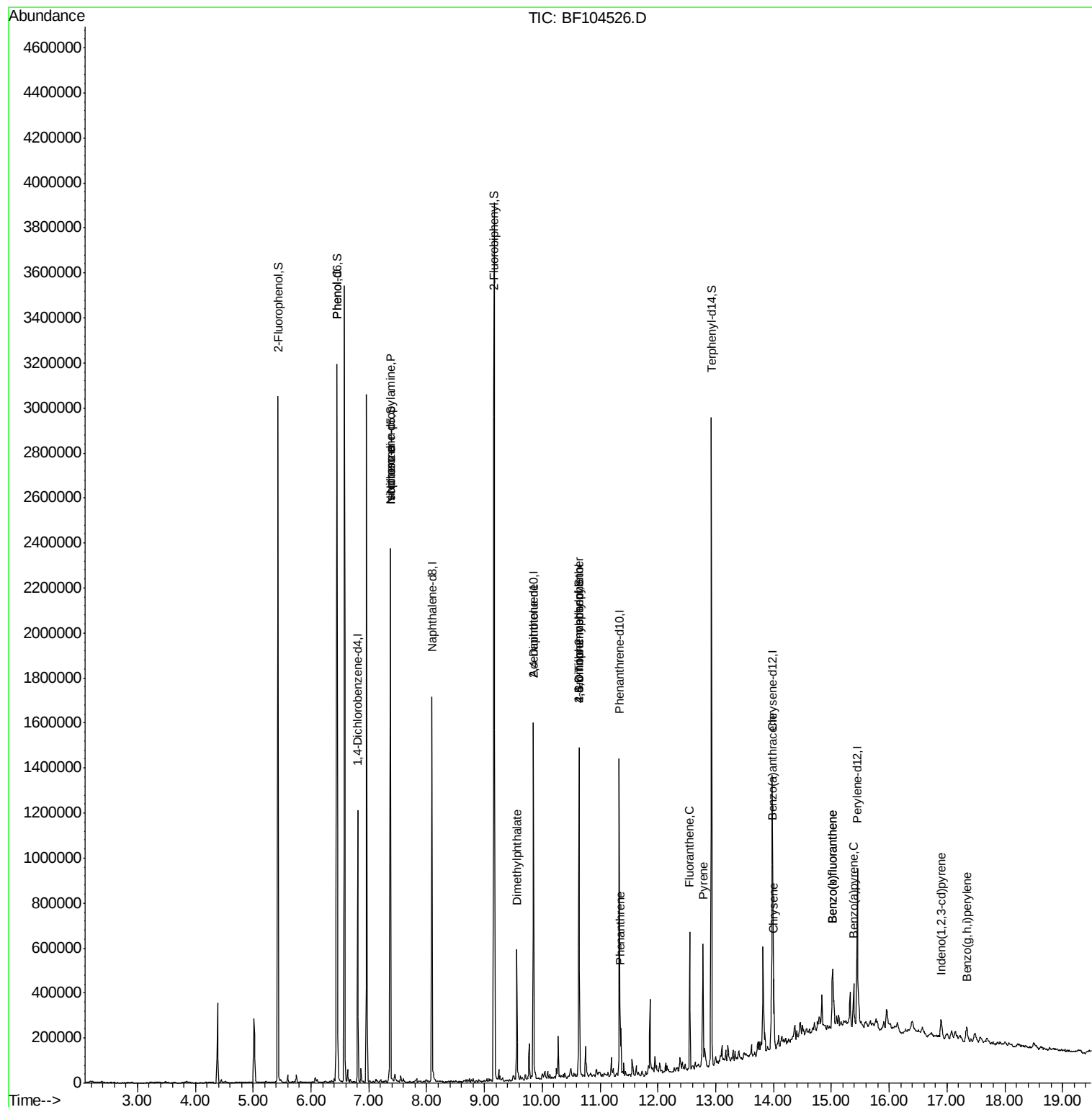
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.46	94	56889	3.730	ng	80
19) n-Nitroso-di-n-propylamine	7.37	70	106951	11.387	ng	# 73
25) Isophorone	7.37	82	800807	34.587	ng	# 64
49) Dimethylphthalate	9.56	163	242430	9.711	ng	99
56) 2,4-Dinitrotoluene	9.85	165	41453	6.841	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	320	7.457	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	11690	2.170	ng	# 1
70) Phenanthrene	11.36	178	93738	3.324	ng	98
74) Fluoranthene	12.55	202	222379	7.547	ng	97
76) Benzidine	12.93	184	12596	Below Cal		94
77) Pyrene	12.78	202	206825	7.860	ng	99
80) Benzo(a)anthracene	13.97	228	113442	5.349	ng	96
82) Chrysene	14.00	228	113525	5.211	ng	95
85) Indeno(1,2,3-cd)pyrene	16.90	276	48662	2.630	ng	94
87) Benzo(b)fluoranthene	15.02	252	184159	9.596	ng	# 94
88) Benzo(k)fluoranthene	15.02	252	184159	10.164	ng	# 96
89) Benzo(a)pyrene	15.39	252	89383	5.205	ng	97
91) Benzo(g,h,i)perylene	17.34	276	50007	3.660	ng	95

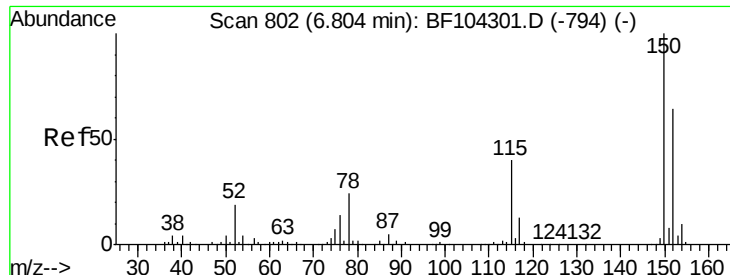
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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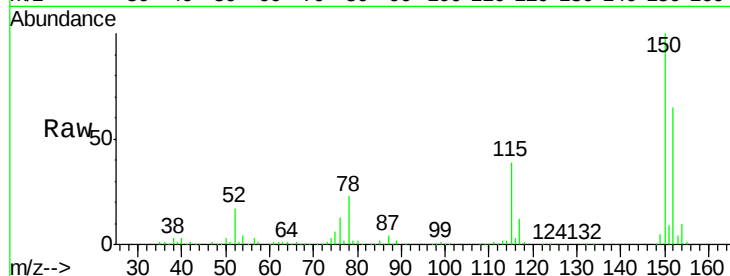


#1

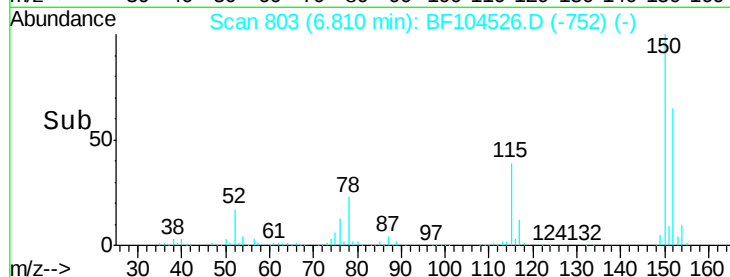
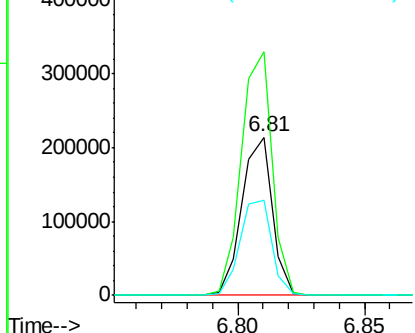
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 178880
Ion Ratio Lower Upper
152 100
150 154.2 124.6 186.8
115 60.0 50.1 75.1



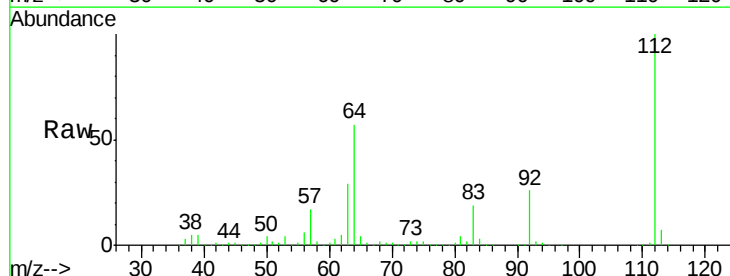
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



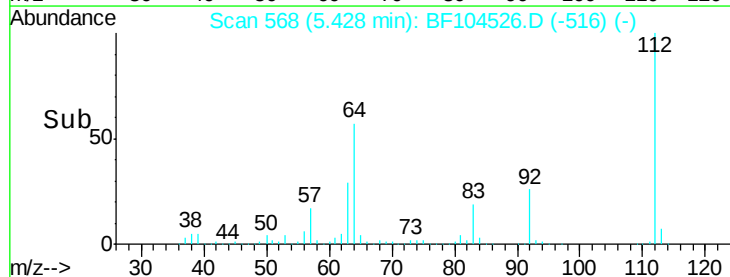
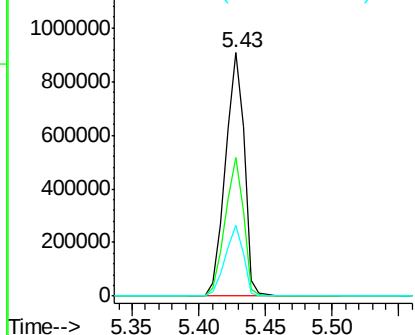
#5

2-Fluorophenol
Concen: 77.499 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Tgt Ion:112 Resp: 906645
Ion Ratio Lower Upper
112 100
64 57.0 47.9 71.9
63 29.0 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: 86.842 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF104526.D

Acq: 16 Apr 2018 11:40

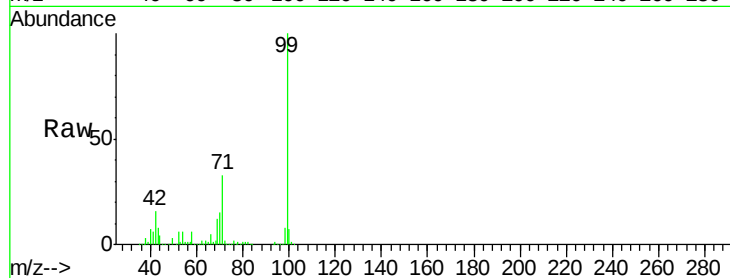
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1248267

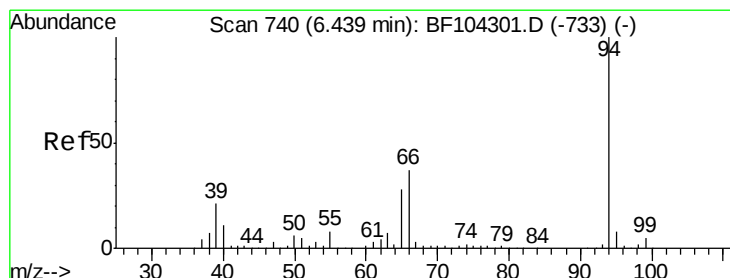
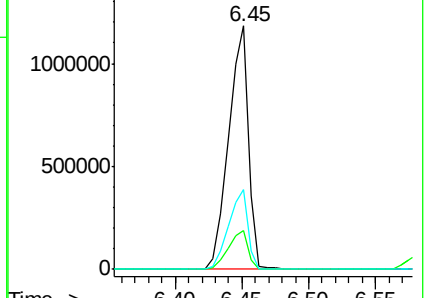
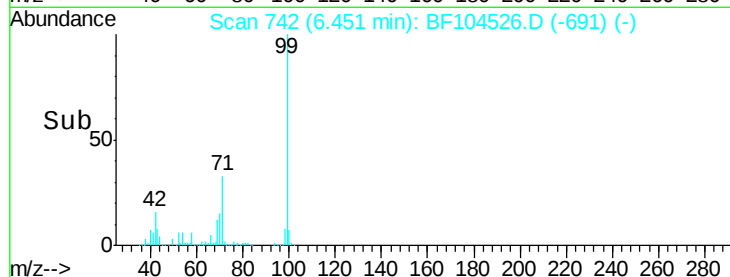
Ion	Ratio	Lower	Upper
99	100		
42	16.0	14.5	21.7
71	33.0	25.4	38.0



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



#10

Phenol

Concen: 3.730 ng

RT: 6.46 min Scan# 743

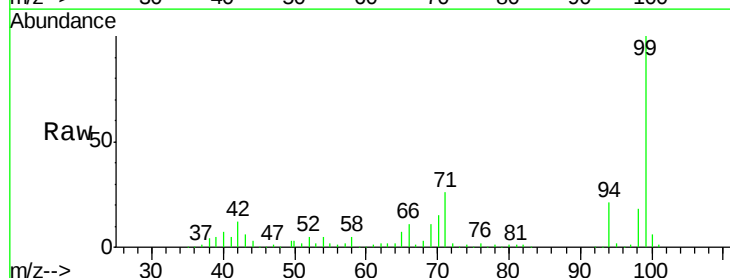
Delta R.T. -0.01 min

Lab File: BF104526.D

Acq: 16 Apr 2018 11:40

Tgt Ion: 94 Resp: 56889

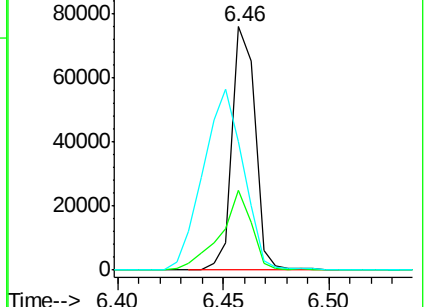
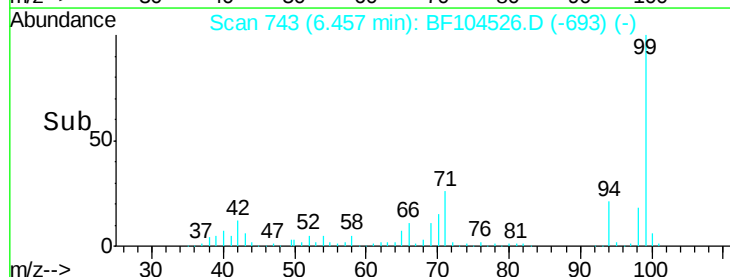
Ion	Ratio	Lower	Upper
94	100		
65	32.6	7.9	47.9
66	52.9	16.2	56.2



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

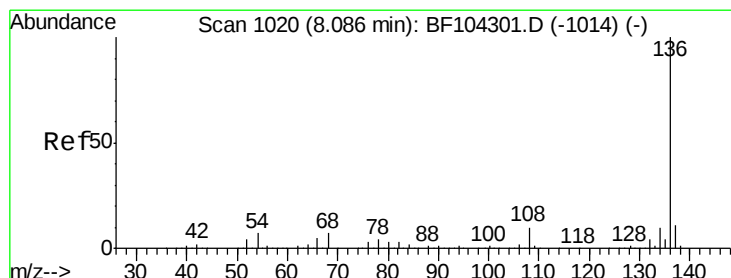
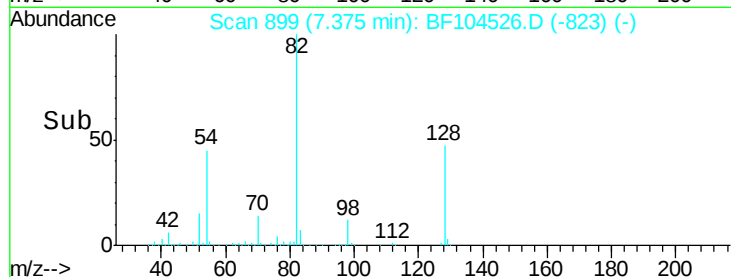
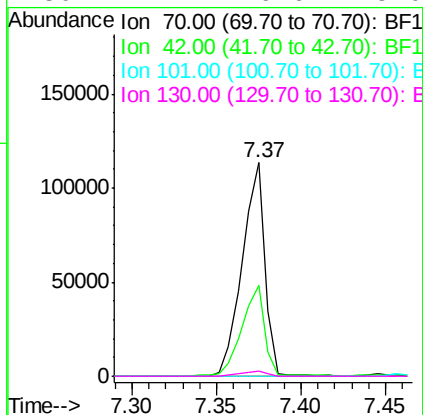
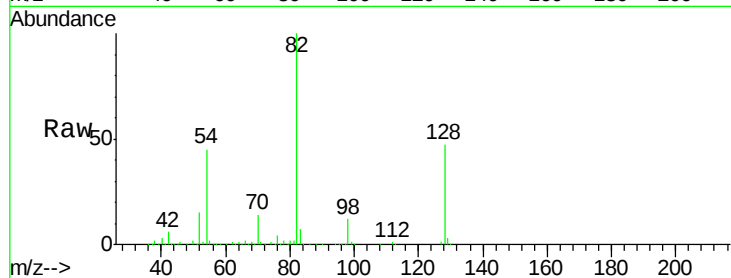




#19
n-Nitroso-di-n-propylamine
Concen: 11.387 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.15 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

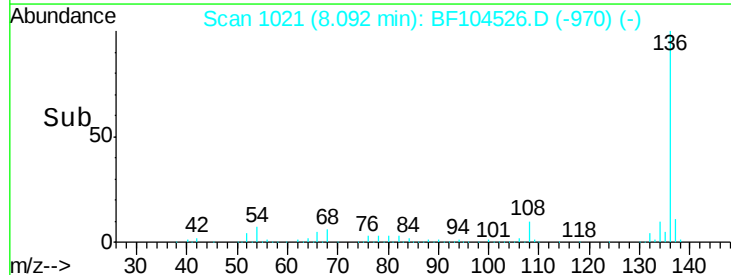
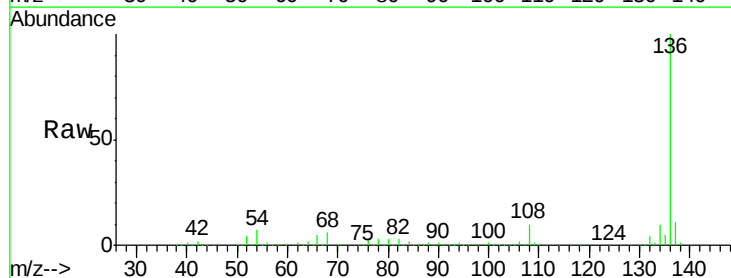
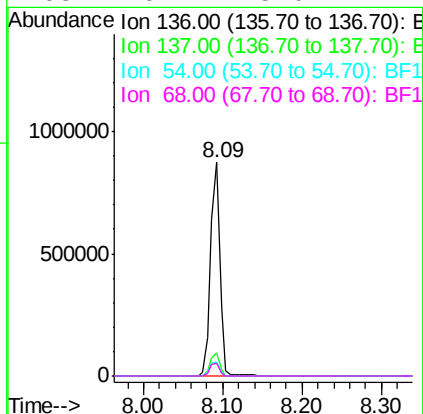
Instrument :
BNA_F
ClientSampleId :

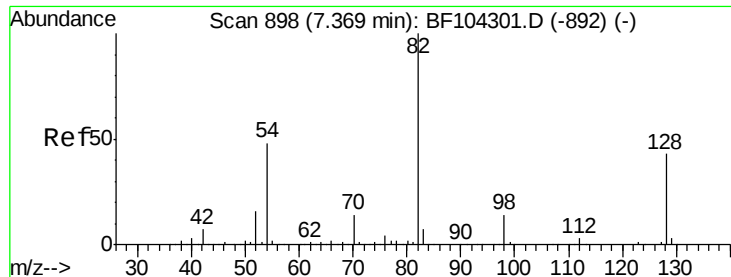
Tot Ion: 70 Resp: 106951
Ion Ratio Lower Upper
70 100
42 42.6 47.5 71.3#
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Tgt Ion:136 Resp: 714947
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 6.8 6.6 9.8
68 6.1 5.0 7.4

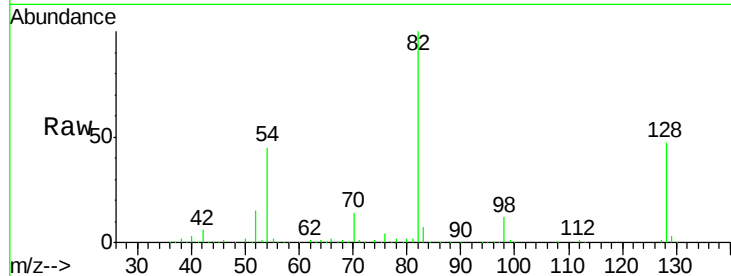




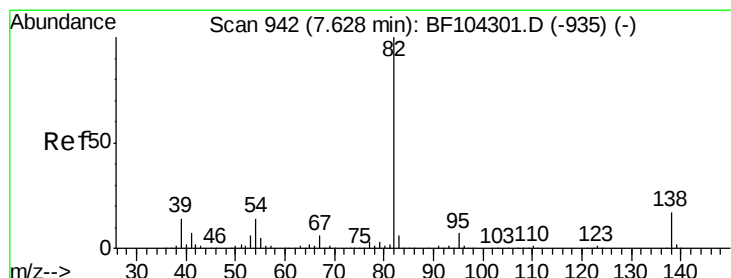
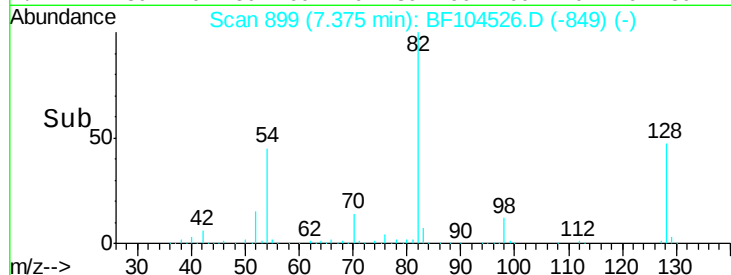
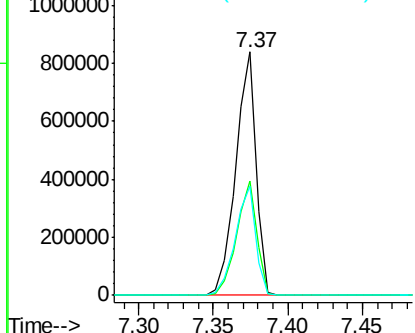
#23
Nitrobenzene-d5
Concen: 73.711 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	807065
Ion Ratio	100	Lower	Upper
128	47.1	36.1	54.1
54	44.7	41.4	62.2

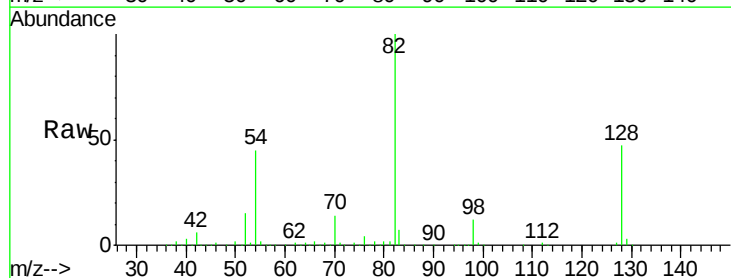


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

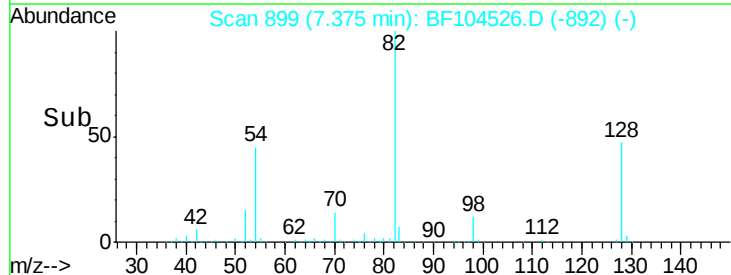
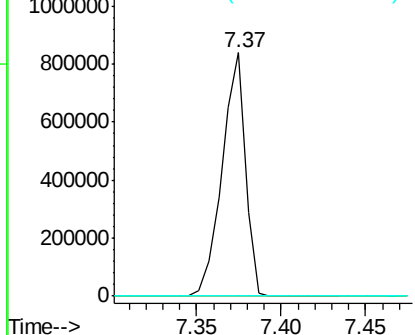


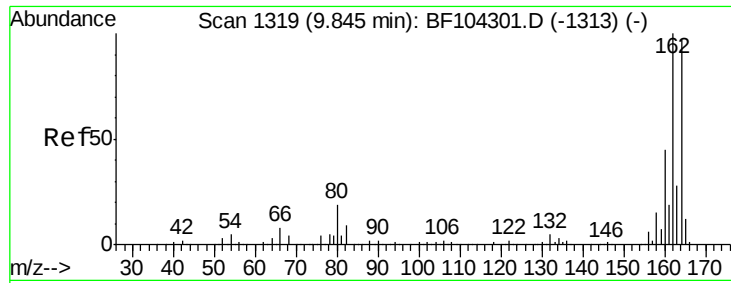
#25
Isophorone
Concen: 34.587 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.26 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Tgt Ion	82	Resp	800807
Ion Ratio	100	Lower	Upper
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

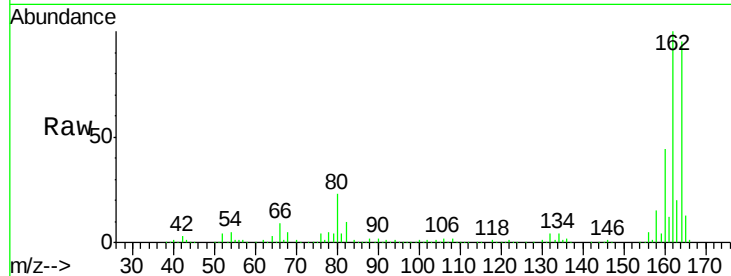




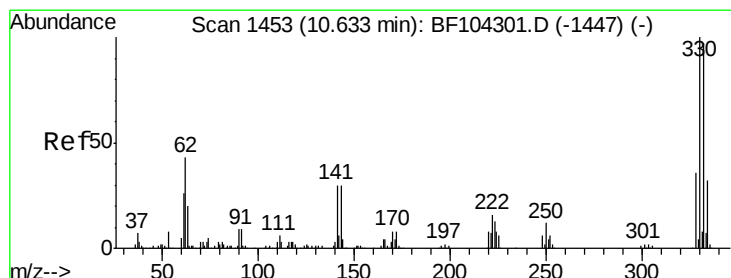
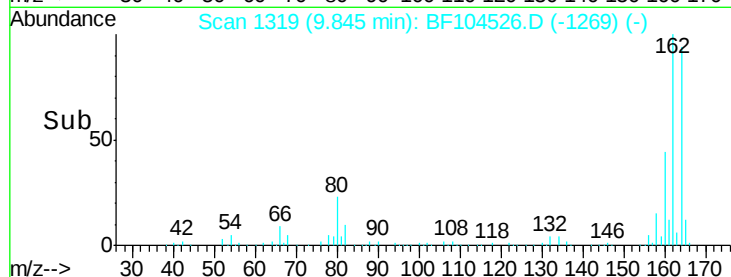
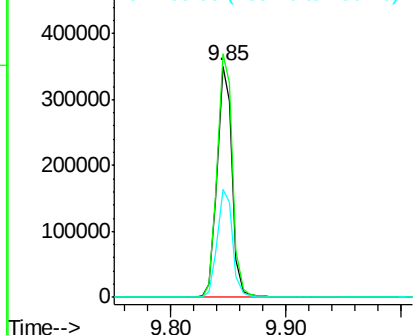
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 316575
Ion Ratio Lower Upper
164 100
162 105.3 86.1 129.1
160 46.4 38.3 57.5

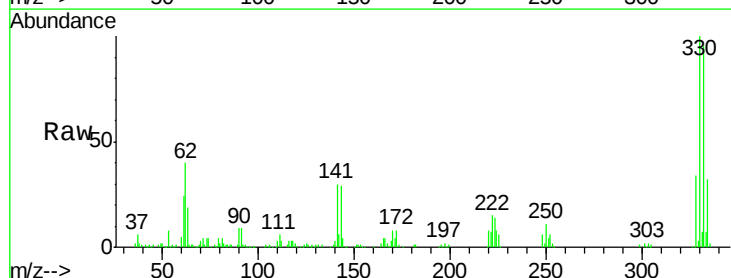


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

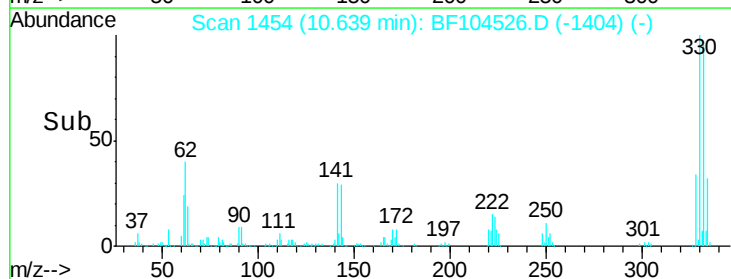
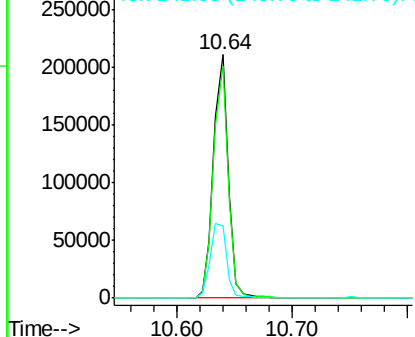


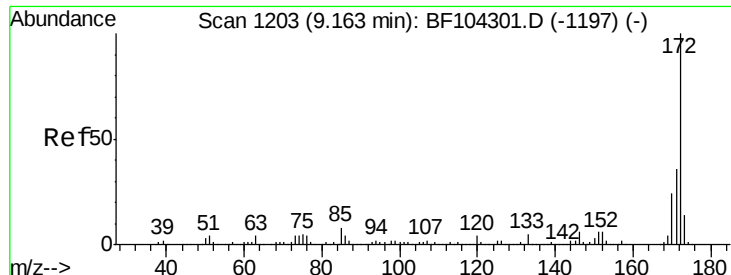
#41
2,4,6-Tribromophenol
Concen: 57.497 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Tgt Ion:330 Resp: 188814
Ion Ratio Lower Upper
330 100
332 95.3 77.0 115.6
141 34.9 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

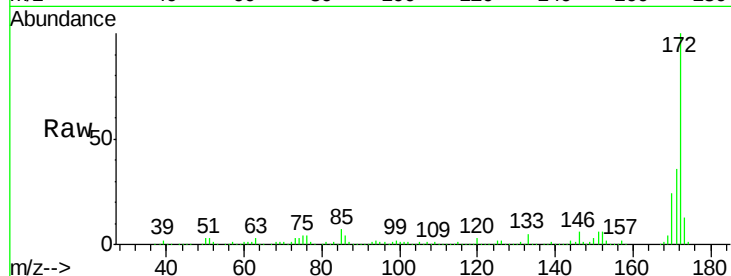




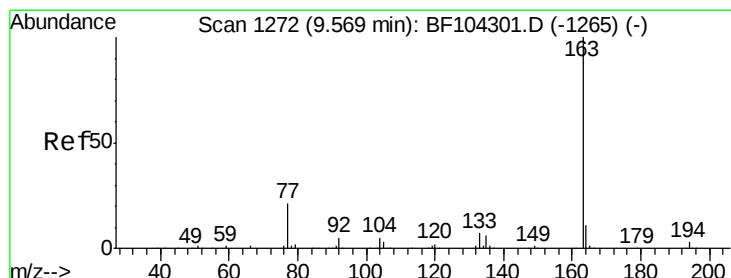
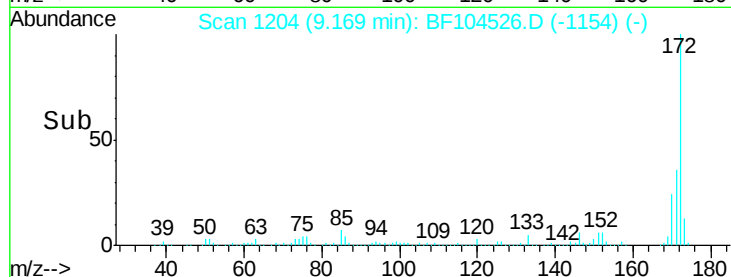
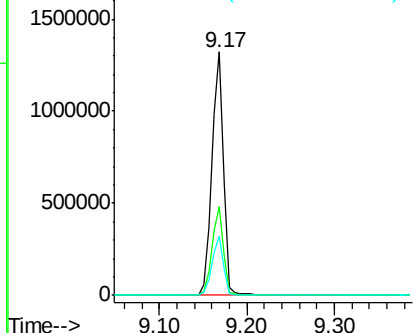
#44
2-Fluorobiphenyl
Concen: 60.925 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1220916
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 24.4 19.6 29.4

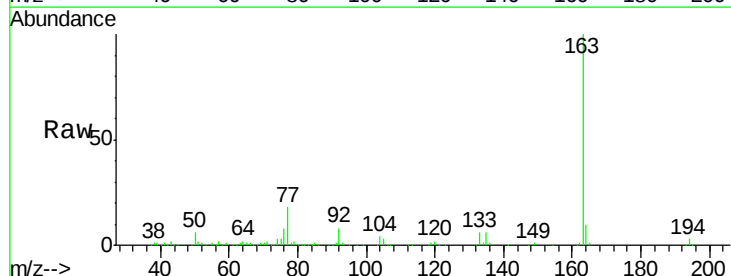


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

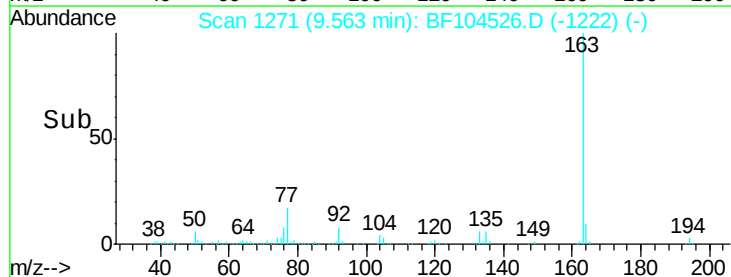
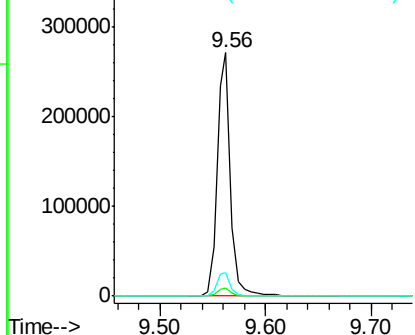


#49
Dimethylphthalate
Concen: 9.711 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Tgt Ion:163 Resp: 242430
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.6 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

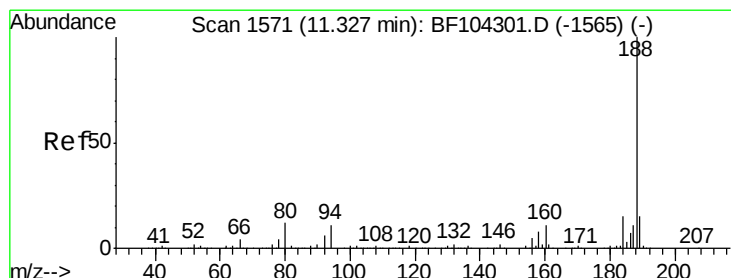
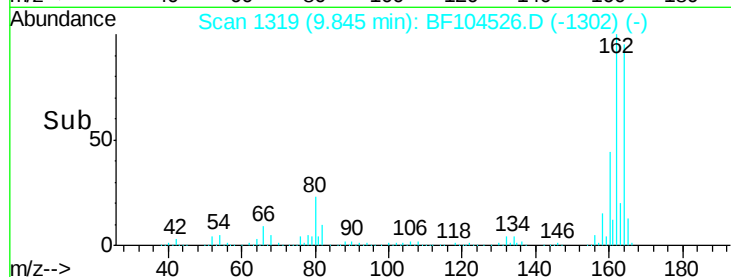
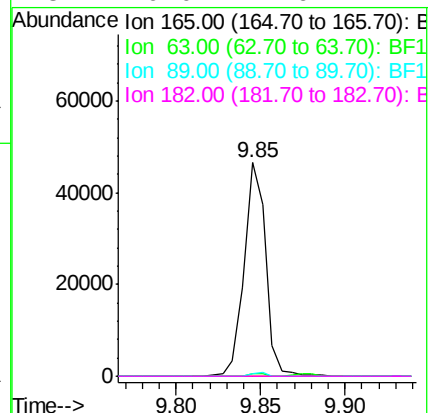
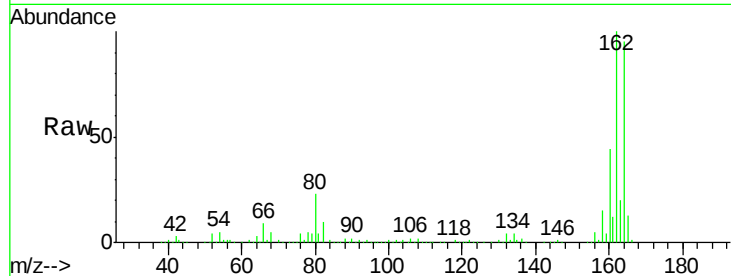




#56
2,4-Dinitrotoluene
Concen: 6.841 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.20 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

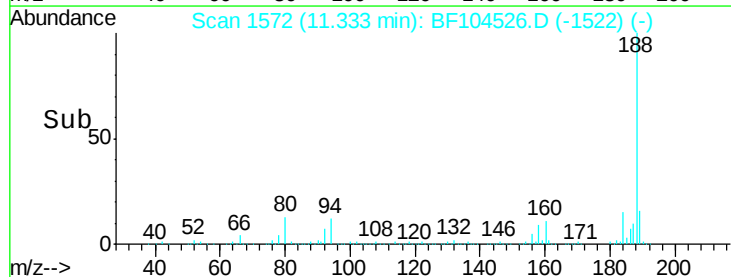
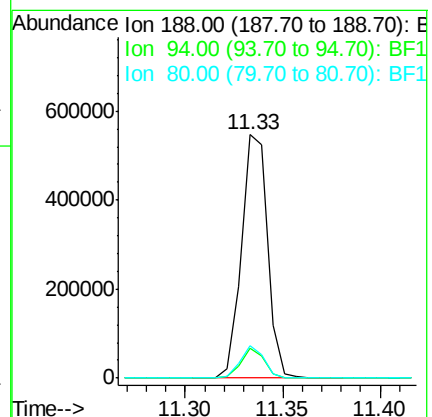
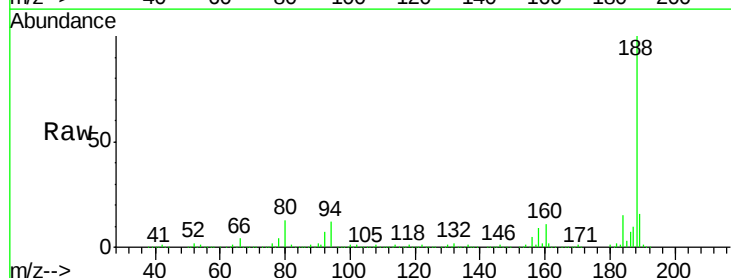
Instrument :
BNA_F
ClientSampleId :

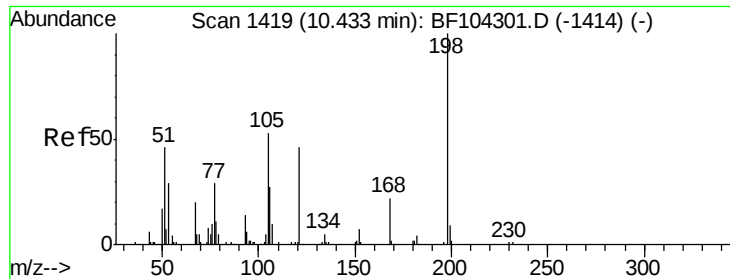
Tot Ion:	165	Resp:	41453
Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Tgt Ion:	188	Resp:	506445
Ion	Ratio	Lower	Upper
188	100		
94	12.1	8.5	12.7
80	13.3	9.2	13.8

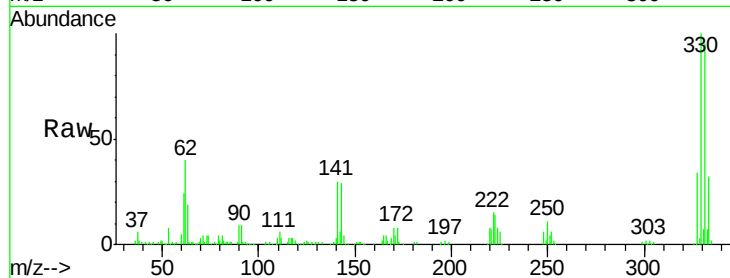




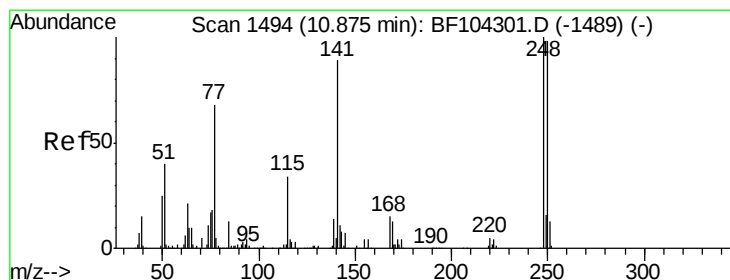
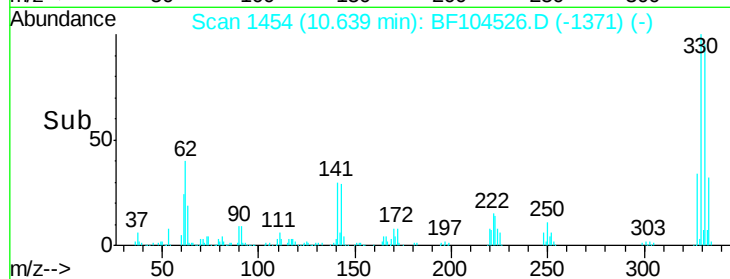
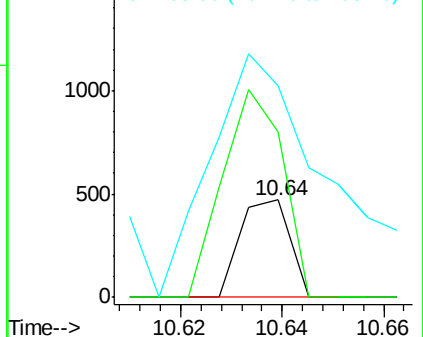
#64
4,6-Dinitro-2-methylphenol
Concen: 7.457 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.19 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 320
Ion Ratio Lower Upper
198 100
51 170.6 37.7 77.7#
105 217.4 36.3 76.3#

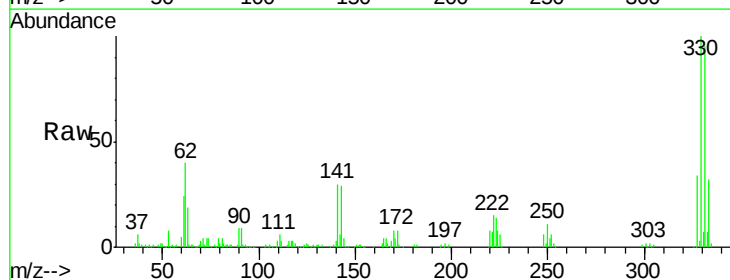


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

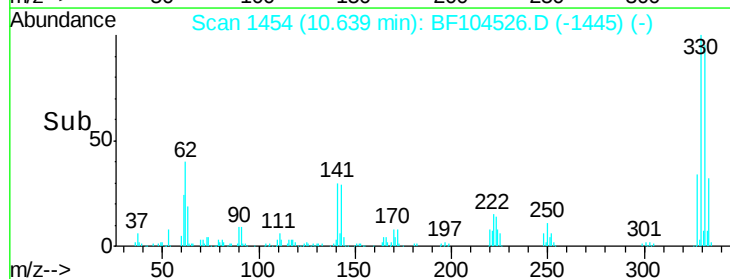
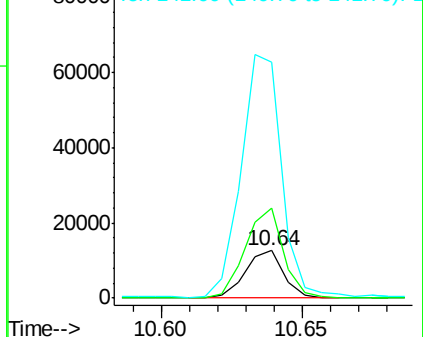


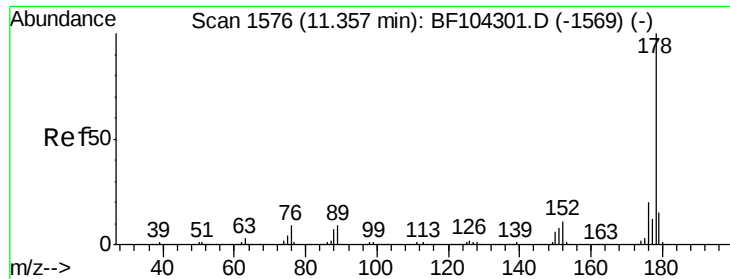
#66
4-Bromophenyl-phenylether
Concen: 2.170 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.25 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Tgt Ion:248 Resp: 11690
Ion Ratio Lower Upper
248 100
250 191.6 76.9 115.3#
141 500.2 74.4 111.6#



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

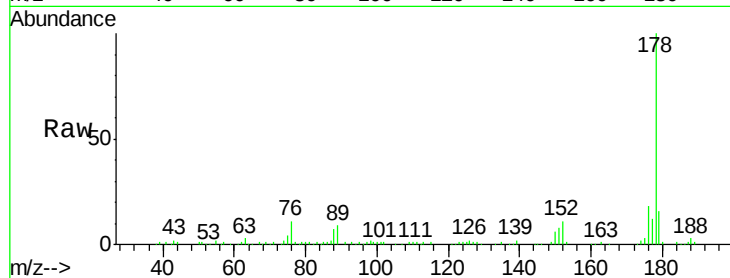




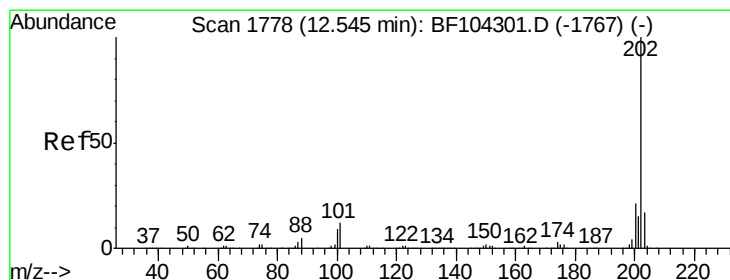
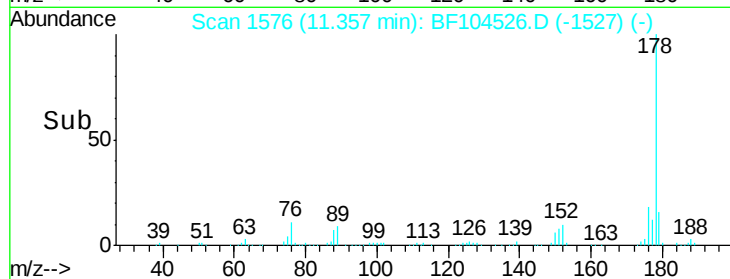
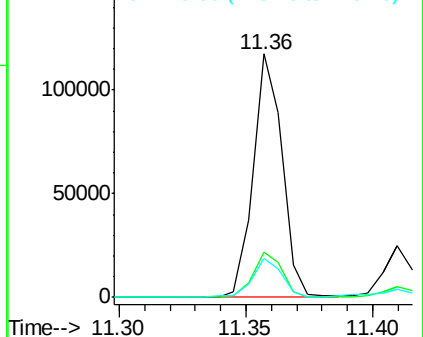
#70
Phenanthrene
Concen: 3.324 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.7	13.0	19.6

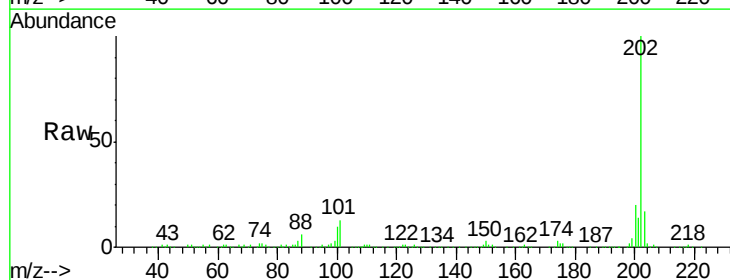


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

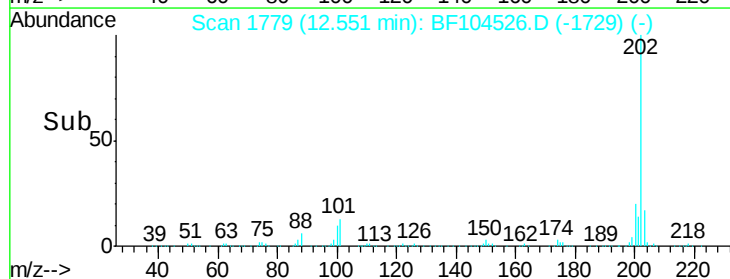
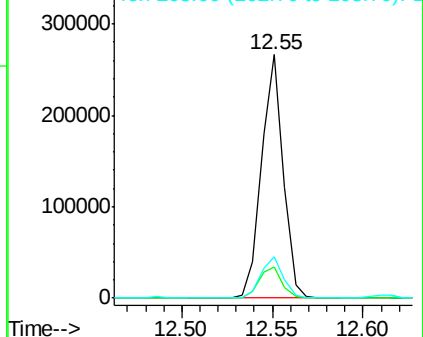


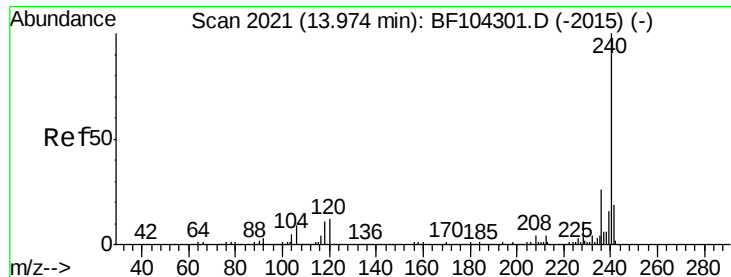
#74
Fluoranthene
Concen: 7.547 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.01 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	34.1
203	17.1	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: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104526.D

Acq: 16 Apr 2018 11:40

Instrument :

BNA_F

ClientSampled :

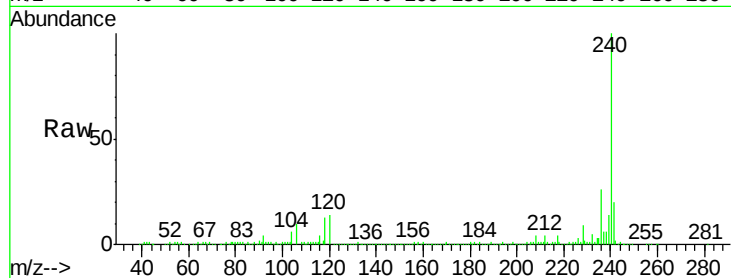
Tot Ion:240 Resp: 355011

Ion Ratio Lower Upper

240 100

120 14.4 9.5 14.3#

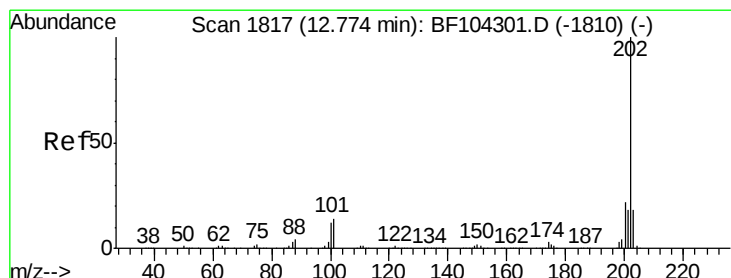
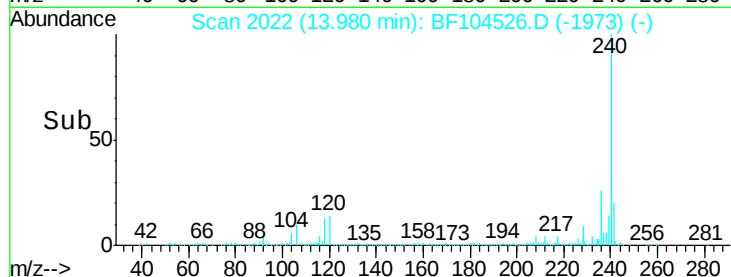
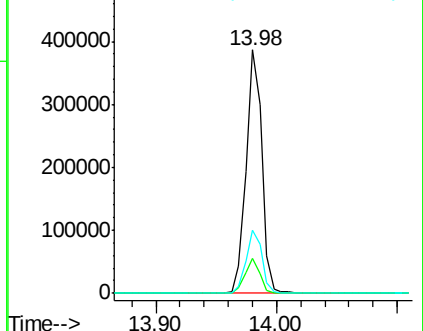
236 26.2 20.7 31.1



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: 7.860 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF104526.D

Acq: 16 Apr 2018 11:40

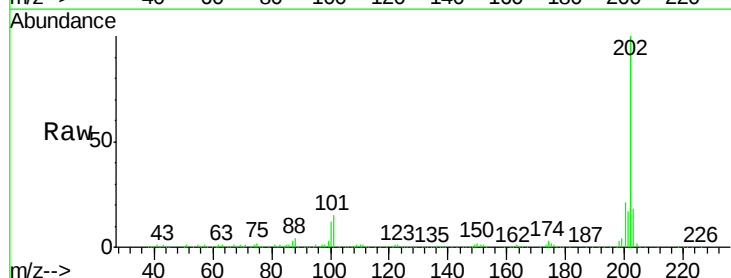
Tgt Ion:202 Resp: 206825

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

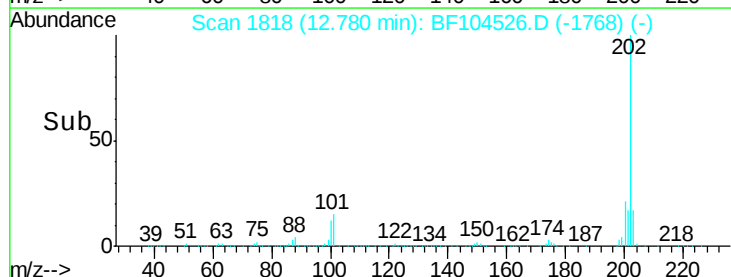
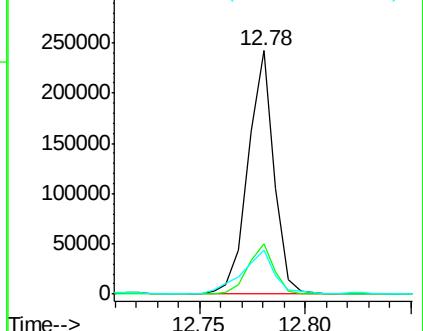
203 17.9 14.3 21.5

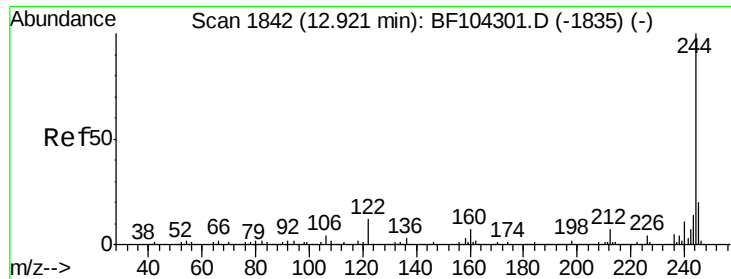


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 61.480 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.00 min

Lab File: BF104526.D

Acq: 16 Apr 2018 11:40

Instrument :

BNA_F

ClientSampleId :

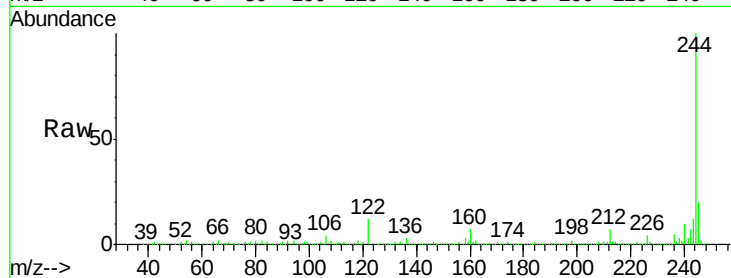
Tot Ion:244 Resp: 957353

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

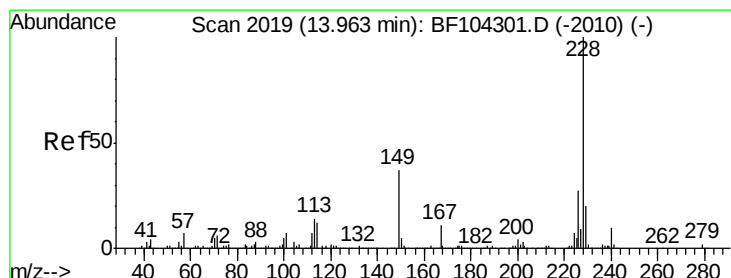
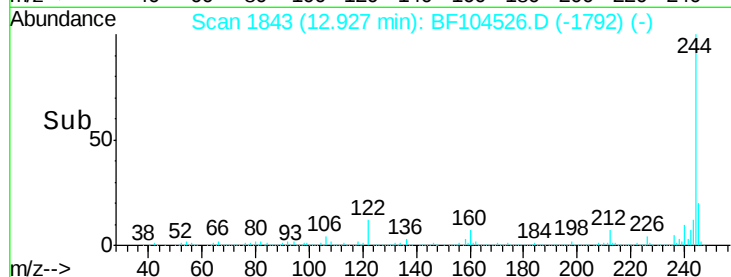
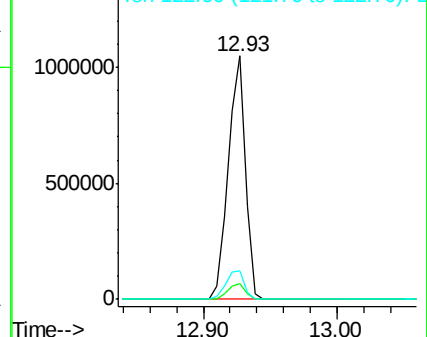
122 11.9 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 5.349 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF104526.D

Acq: 16 Apr 2018 11:40

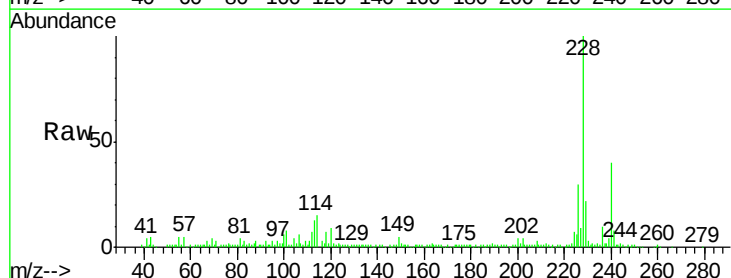
Tgt Ion:228 Resp: 113442

Ion Ratio Lower Upper

228 100

226 29.8 22.6 33.8

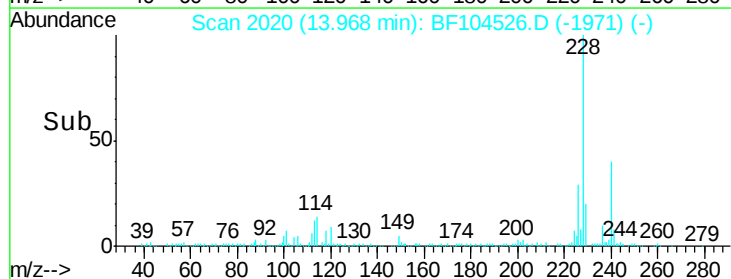
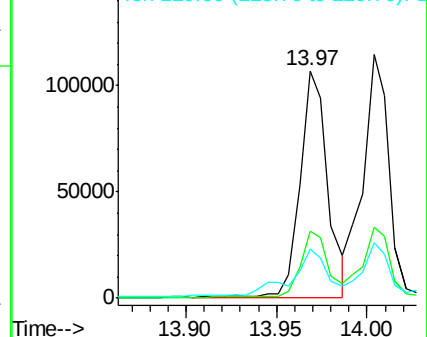
229 21.8 15.8 23.6

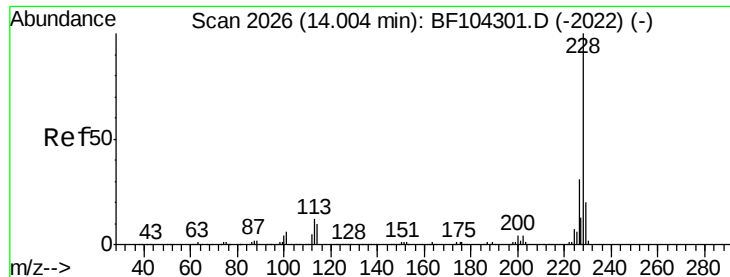


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.211 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF104526.D

Acq: 16 Apr 2018 11:40

Instrument :

BNA_F

ClientSampled :

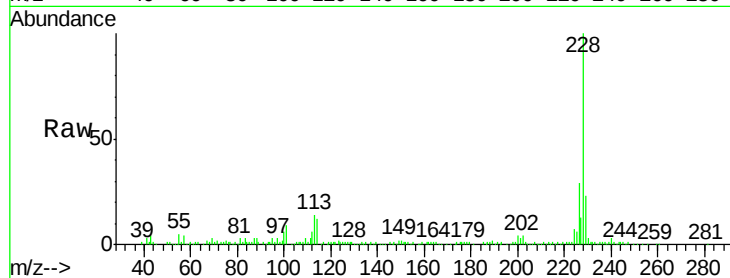
Tot Ion:228 Resp: 113525

Ion Ratio Lower Upper

228 100

226 28.9 25.0 37.6

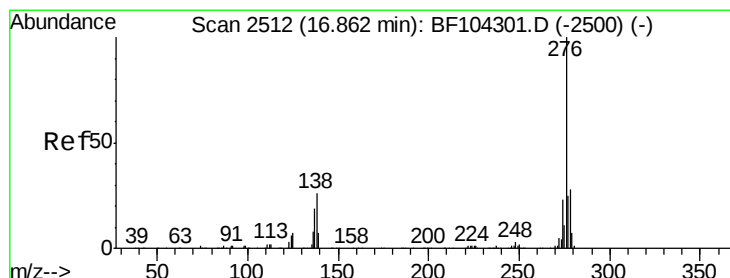
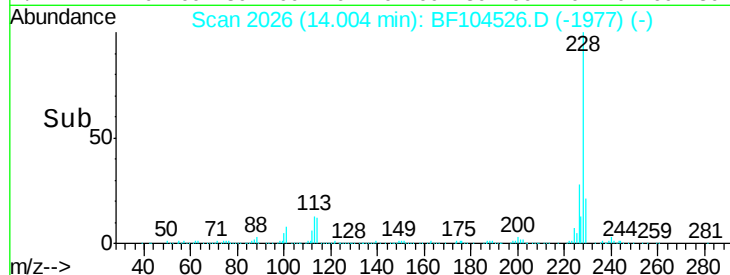
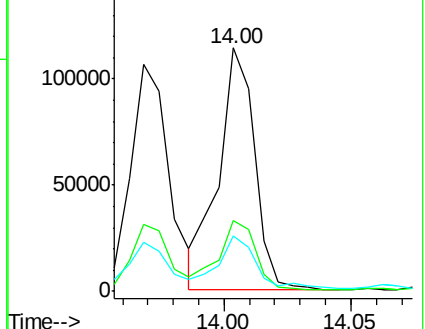
229 22.9 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.630 ng

RT: 16.90 min Scan# 2518

Delta R.T. -0.02 min

Lab File: BF104526.D

Acq: 16 Apr 2018 11:40

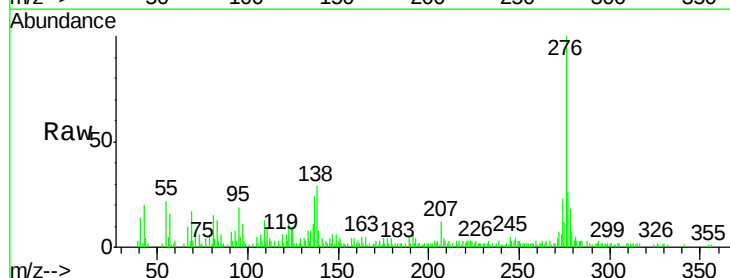
Tgt Ion:276 Resp: 48662

Ion Ratio Lower Upper

276 100

138 28.2 25.0 37.6

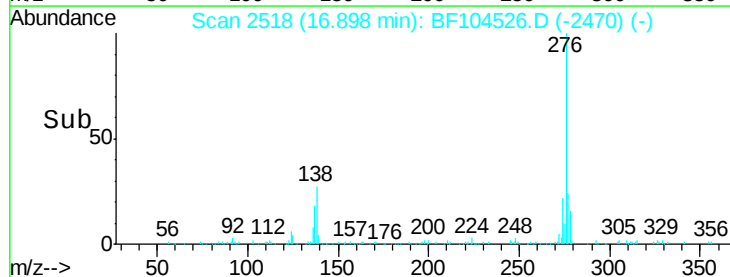
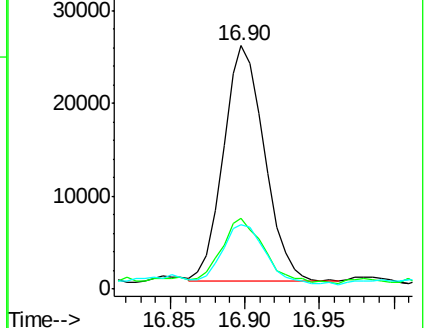
277 28.4 20.1 30.1

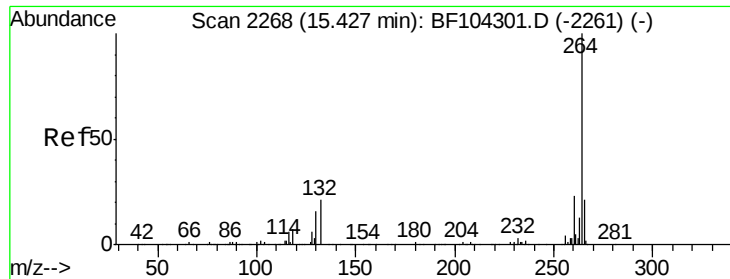


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

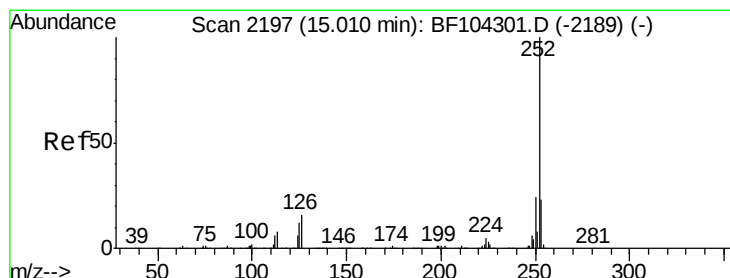
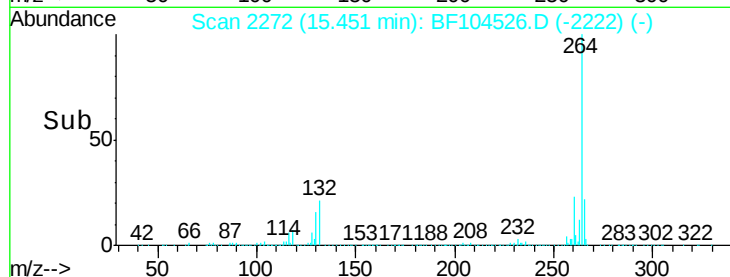
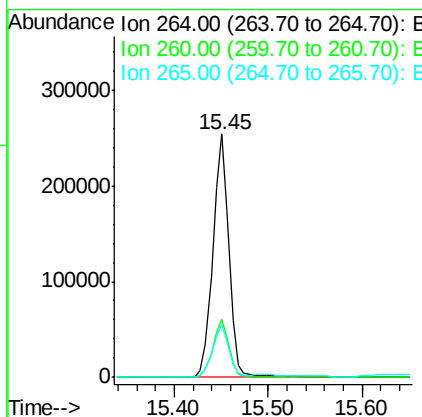
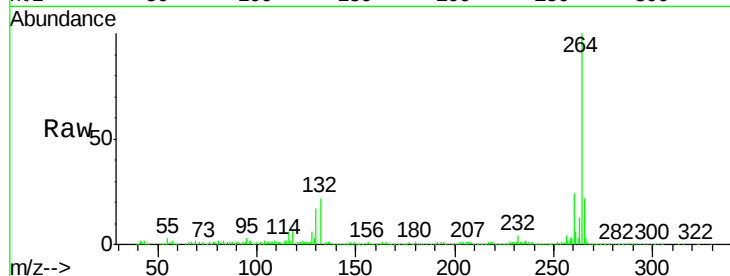




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

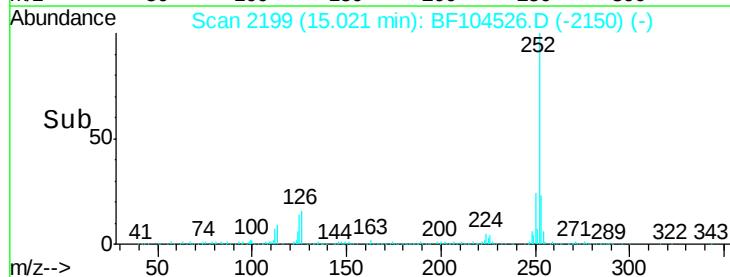
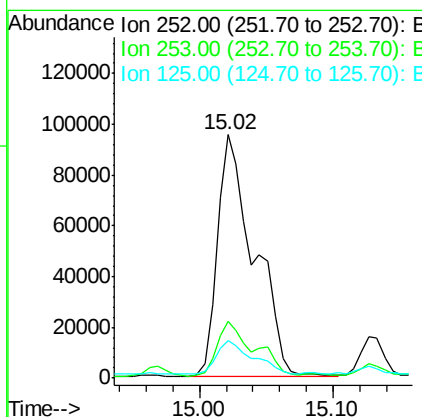
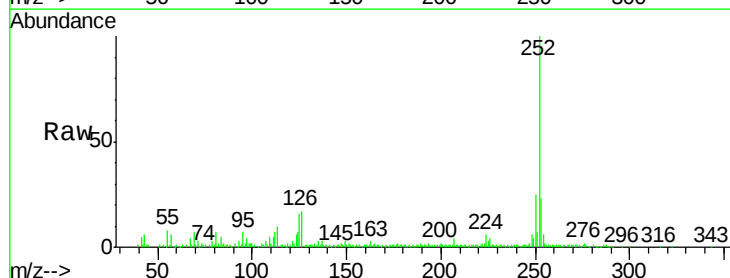
Instrument :
BNA_F
ClientSampleId :

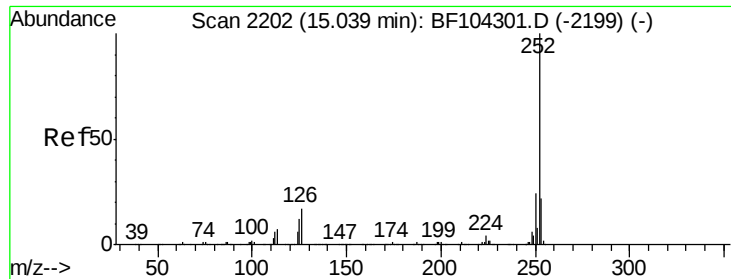
Tot Ion:264 Resp: 303855
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 21.9 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 9.596 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Tgt Ion:252 Resp: 184159
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 15.6 9.0 13.6#

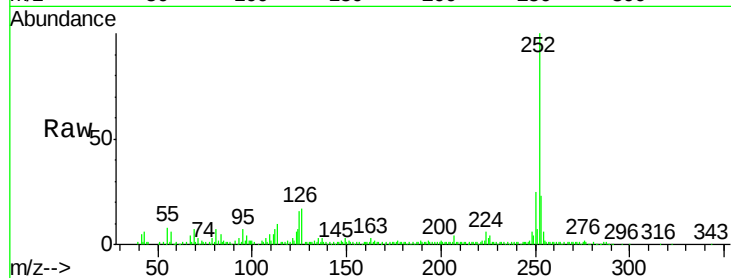




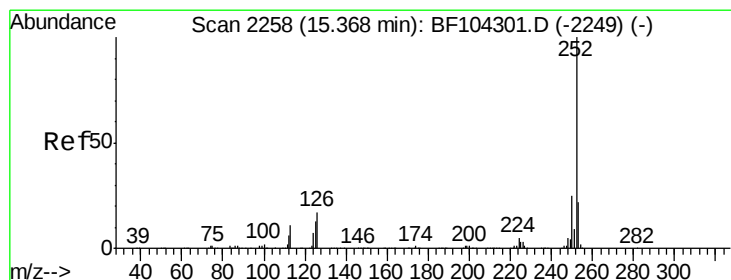
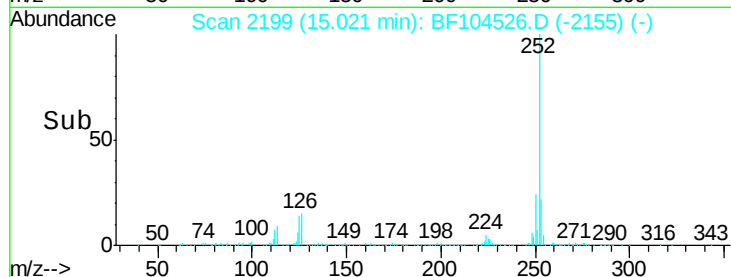
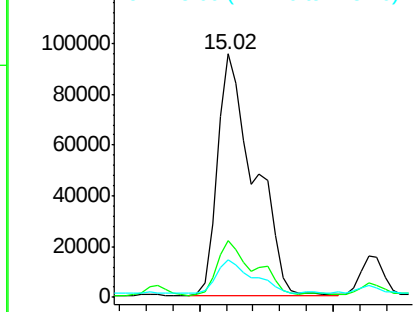
#88
Benzo(k)fluoranthene
Concen: 10.164 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	15.6	10.2	15.2#

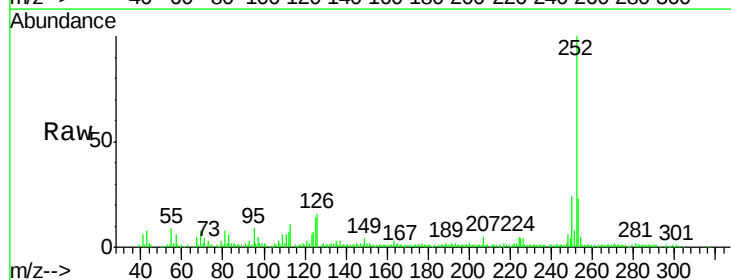


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

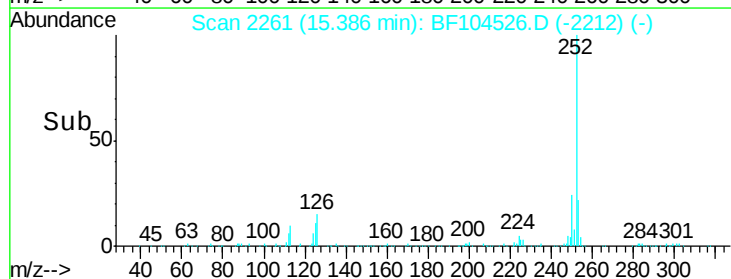
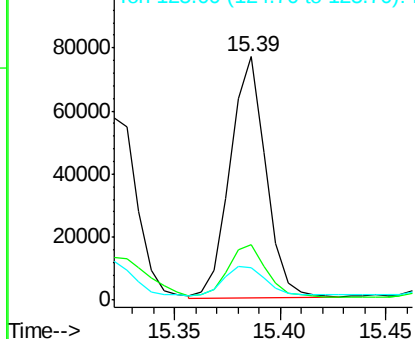


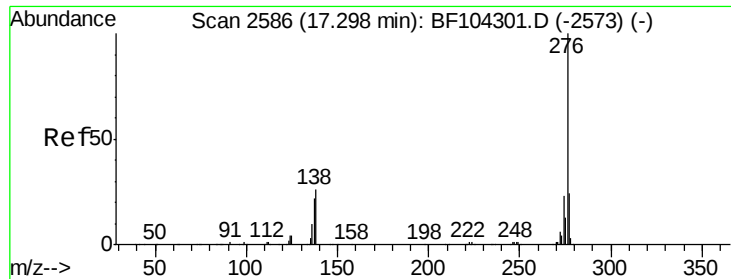
#89
Benzo(a)pyrene
Concen: 5.205 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF104526.D
Acq: 16 Apr 2018 11:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	13.5	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: 3.660 ng

RT: 17.34 min Scan# 2593

Delta R.T. -0.02 min

Lab File: BF104526.D

Acq: 16 Apr 2018 11:40

Instrument :

BNA_F

ClientSampleId :

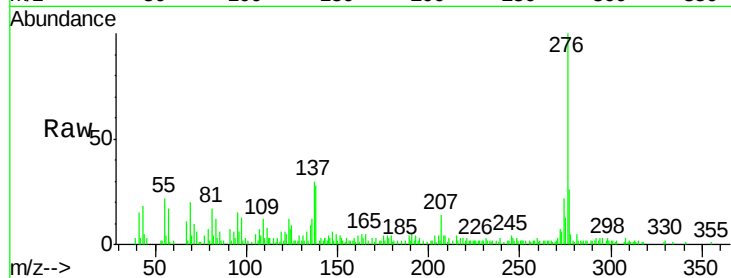
Tot Ion: 276 Resp: 50007

Ion Ratio Lower Upper

276 100

277 26.0 17.9 26.9

138 28.4 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

