

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
 Data File : BF104540.D
 Acq On : 16 Apr 2018 18:41
 Operator : JU/SJ
 Sample : J2394-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 17 00:55:30 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	141135	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	583032	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	262182	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	436934	20.00	ng	0.00
75) Chrysene-d12	13.99	240	264807	20.00	ng	0.00
86) Perylene-d12	15.45	264	299788	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	166272	18.01	ng	0.00
7) Phenol-d6	6.45	99	723757	63.82	ng	0.00
23) Nitrobenzene-d5	7.37	82	705549	79.02	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	2745	1.01	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1233555	74.33	ng	0.00
78) Terphenyl-d14	12.93	244	950396	81.82	ng	0.00

Target Compounds

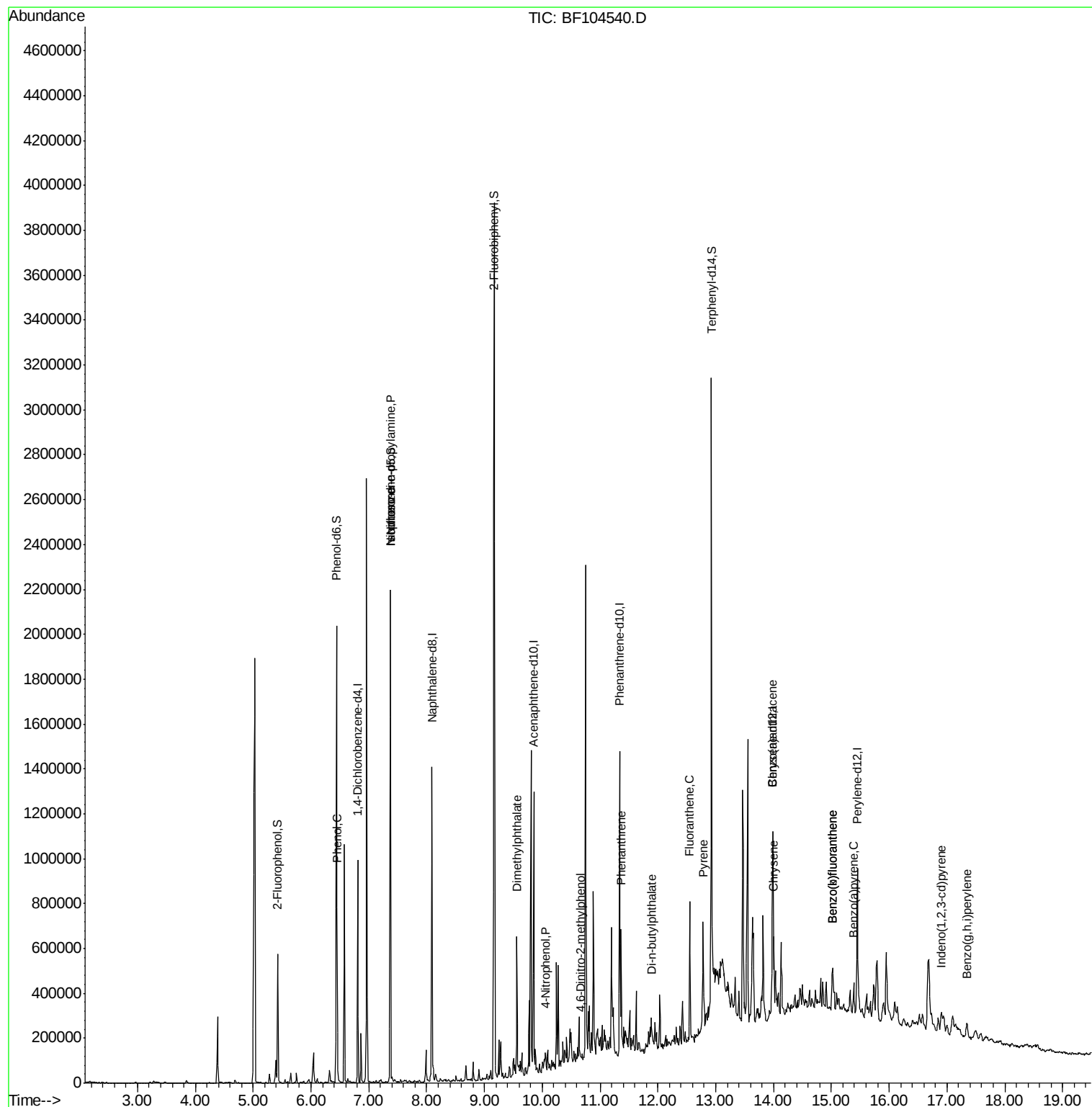
						Qvalue
9) Benzaldehyde	6.36	77	1509	Below Cal	#	66
10) Phenol	6.46	94	46908	3.898	ng	95
19) n-Nitroso-di-n-propylamine	7.37	70	96824	13.065	ng	# 74
25) Isophorone	7.37	82	702708	37.217	ng	# 64
49) Dimethylphthalate	9.56	163	216140	10.454	ng	99
55) 4-Nitrophenol	10.05	139	7487	2.128	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.67	198	247	7.445	ng	# 1
70) Phenanthrene	11.36	178	196001	8.055	ng	99
73) Di-n-butylphthalate	11.90	149	60462	2.048	ng	98
74) Fluoranthene	12.55	202	197128	7.754	ng	99
76) Benzidine	12.93	184	12919	Below Cal		100
77) Pylene	12.78	202	177948	9.066	ng	99
80) Benzo(a)anthracene	13.97	228	71495	4.519	ng	99
82) Chrysene	14.01	228	68914	4.241	ng	96
85) Indeno(1,2,3-cd)pyrene	16.90	276	49407	3.579	ng	94
87) Benzo(b)fluoranthene	15.02	252	119583	6.316	ng	# 87
88) Benzo(k)fluoranthene	15.02	252	119583	6.690	ng	# 90
89) Benzo(a)pyrene	15.39	252	67566	3.988	ng	# 94
91) Benzo(a,h,i)perylene	17.34	276	48933	3.630	ng	97

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

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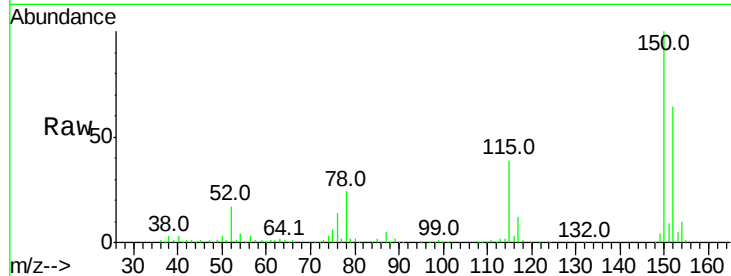


#1

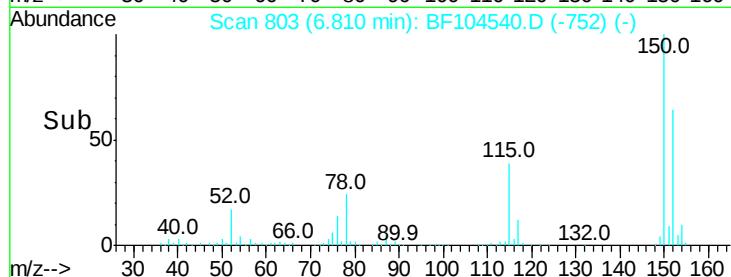
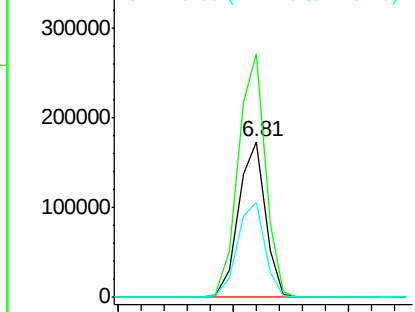
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF104540.D
Acq: 16 Apr 2018 18:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 141135
Ion Ratio Lower Upper
152 100
150 156.7 124.6 186.8
115 61.3 50.1 75.1



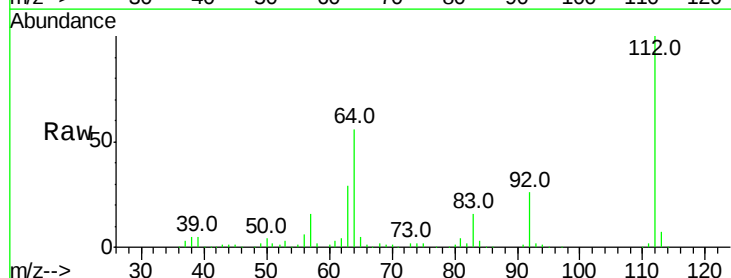
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



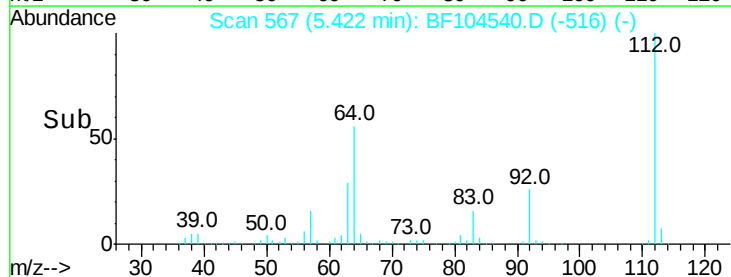
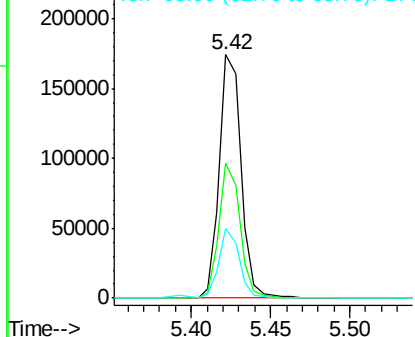
#5

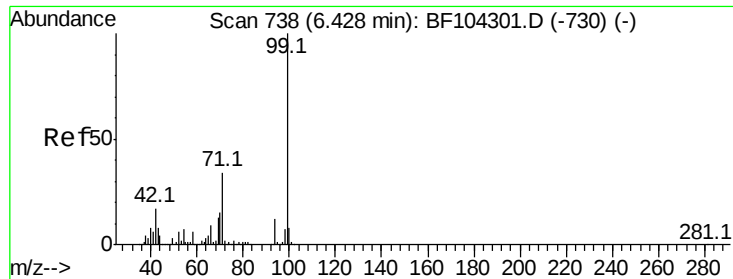
2-Fluorophenol
Concen: 18.014 ng
RT: 5.42 min Scan# 567
Delta R.T. -0.00 min
Lab File: BF104540.D
Acq: 16 Apr 2018 18:41

Tgt Ion:112 Resp: 166272
Ion Ratio Lower Upper
112 100
64 55.5 47.9 71.9
63 28.7 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 63.818 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF104540.D

Acq: 16 Apr 2018 18:41

Instrument :

BNA_F

ClientSampleId :

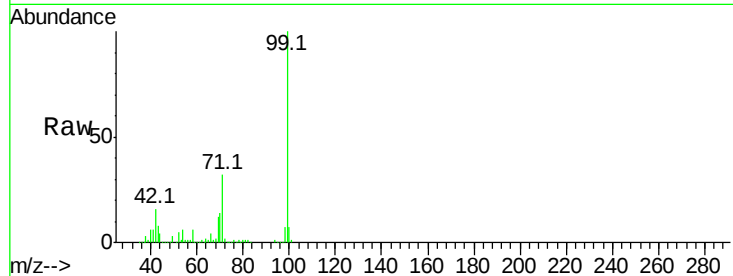
Tot Ion: 99 Resp: 723757

Ion Ratio Lower Upper

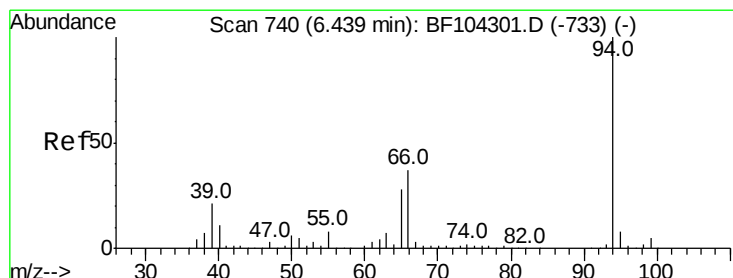
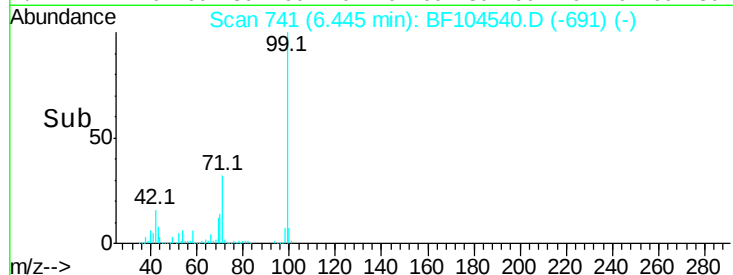
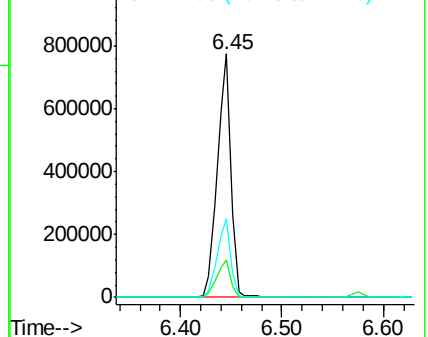
99 100

42 15.5 14.5 21.7

71 32.0 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: 3.898 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF104540.D

Acq: 16 Apr 2018 18:41

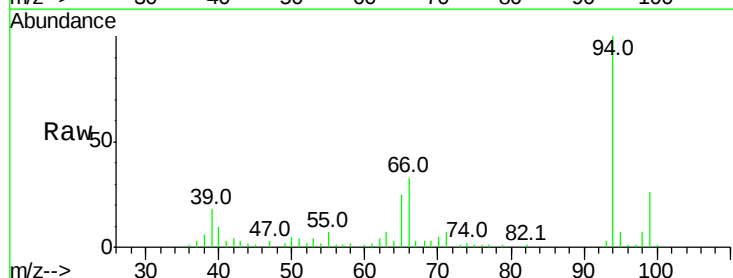
Tgt Ion: 94 Resp: 46908

Ion Ratio Lower Upper

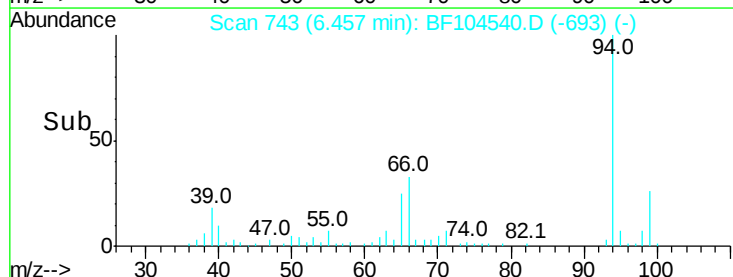
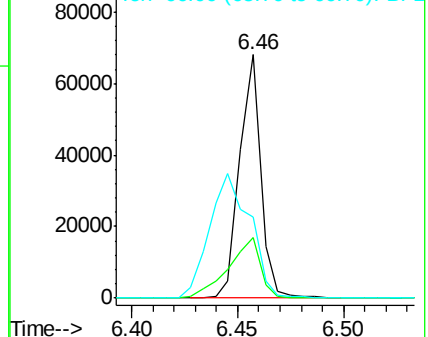
94 100

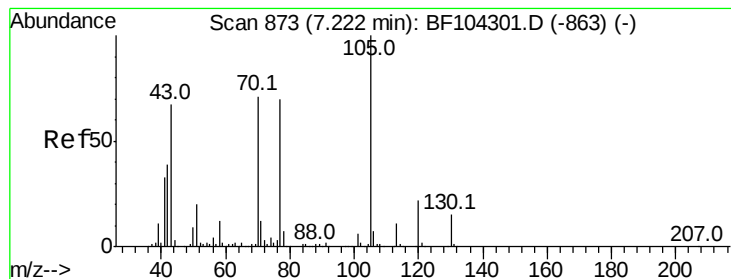
65 25.1 7.9 47.9

66 33.4 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: 13.065 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104540.D

Acq: 16 Apr 2018 18:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 96824

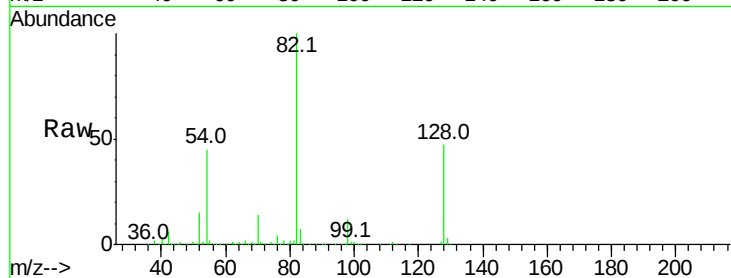
Ion Ratio Lower Upper

70 100

42 42.9 47.5 71.3#

101 0.6 7.4 11.2#

130 2.3 16.6 25.0#

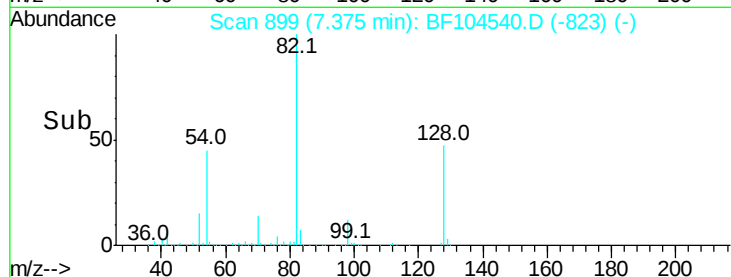


Abundance Ion 70.00 (69.70 to 70.70): BF1

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



Scan 899 (7.375 min): BF104540.D (-823) (-)

7.37

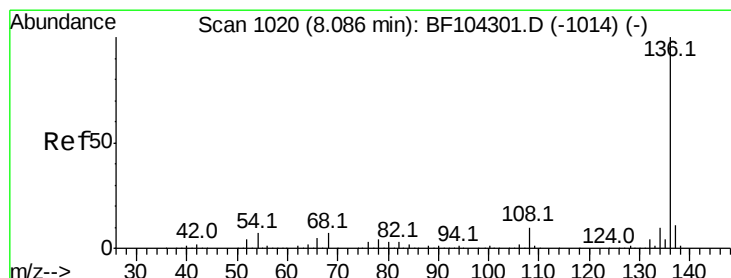
150000

100000

50000

0

Time--> 7.30 7.35 7.40 7.45



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF104540.D

Acq: 16 Apr 2018 18:41

Tgt Ion:136 Resp: 583032

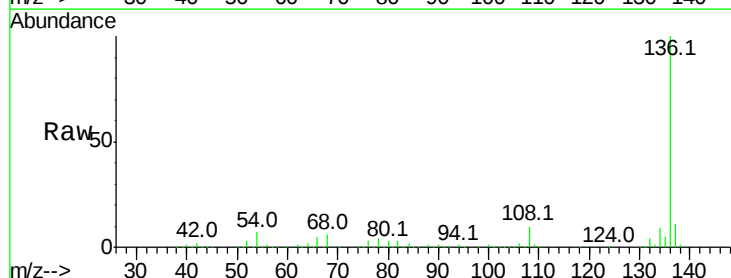
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 6.7 6.6 9.8

68 6.1 5.0 7.4

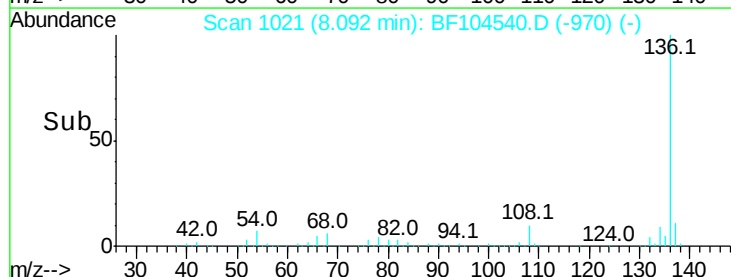


Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Scan 1021 (8.092 min): BF104540.D (-970) (-)

8.09

1000000

800000

600000

400000

200000

0

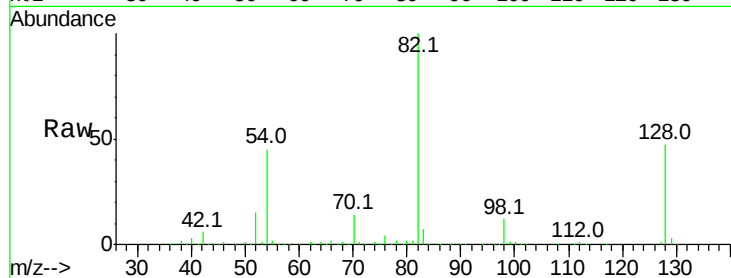
Time--> 8.00 8.10 8.20



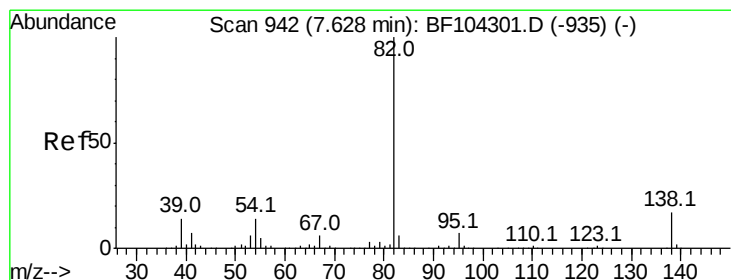
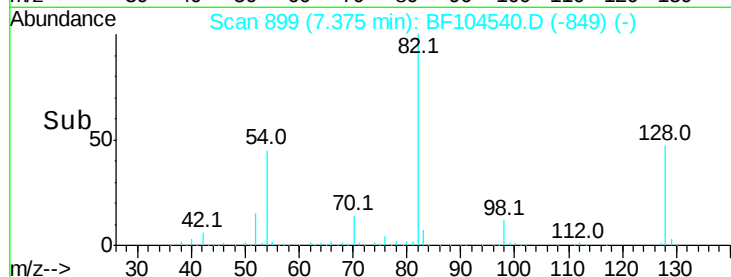
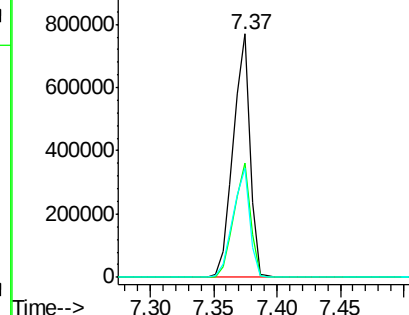
#23
Nitrobenzene-d5
Concen: 79.020 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104540.D
Acq: 16 Apr 2018 18:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 705549
Ion Ratio Lower Upper
82 100
128 47.2 36.1 54.1
54 44.9 41.4 62.2

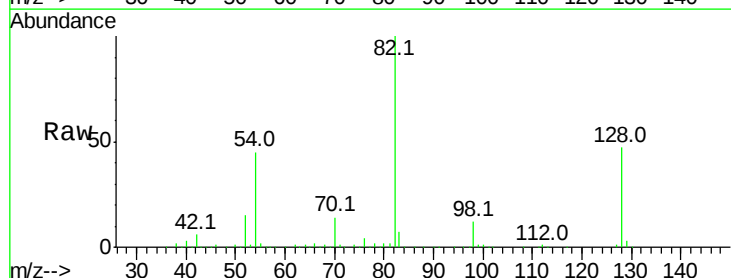


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

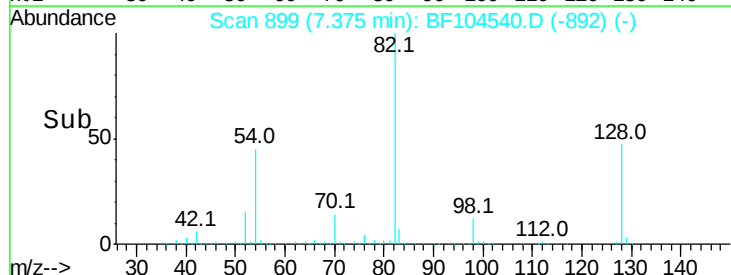
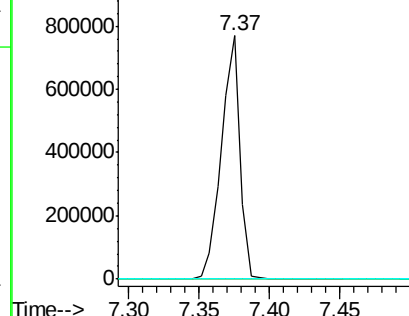


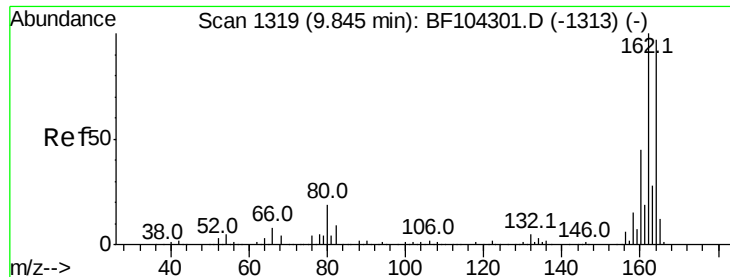
#25
Isophorone
Concen: 37.217 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.26 min
Lab File: BF104540.D
Acq: 16 Apr 2018 18:41

Tgt Ion: 82 Resp: 702708
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

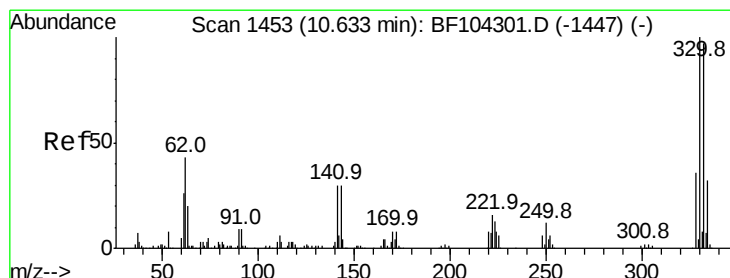
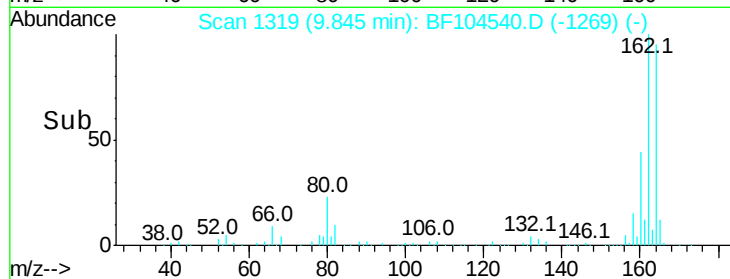
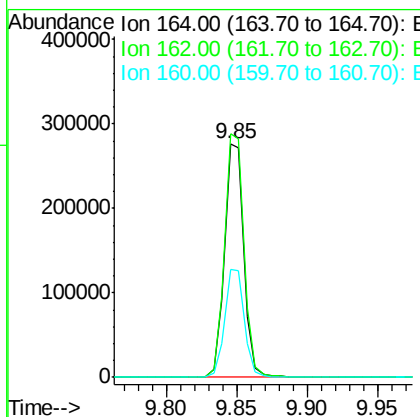
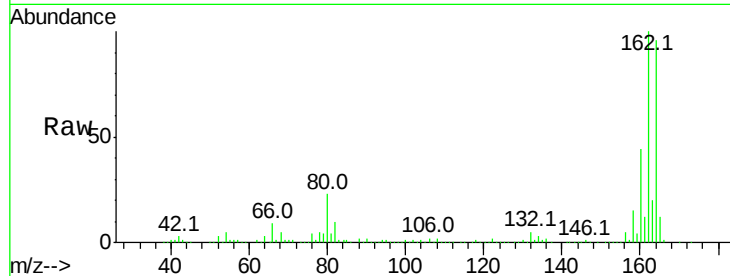




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF104540.D
 Acq: 16 Apr 2018 18:41

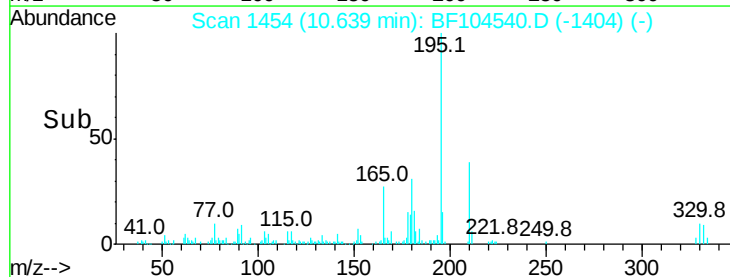
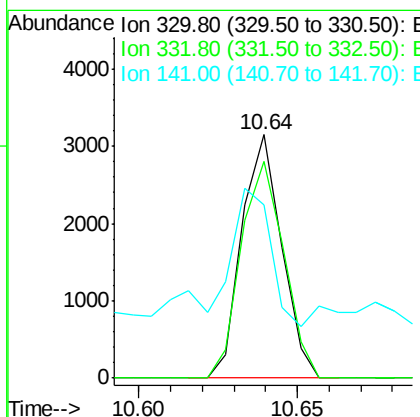
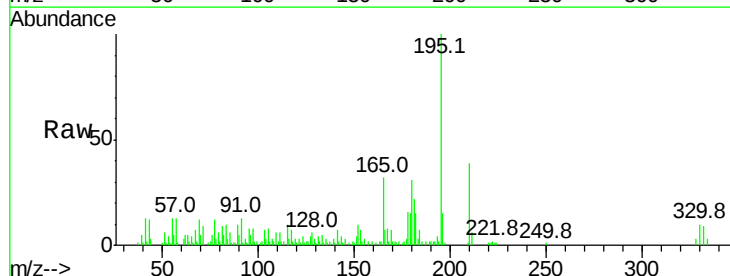
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.2	86.1	129.1
160	46.0	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 1.009 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104540.D
 Acq: 16 Apr 2018 18:41

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	67.8	29.9	44.9#

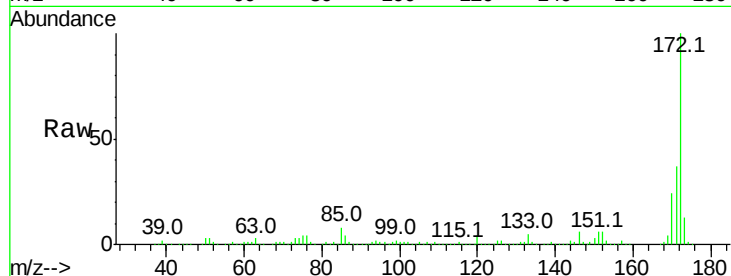




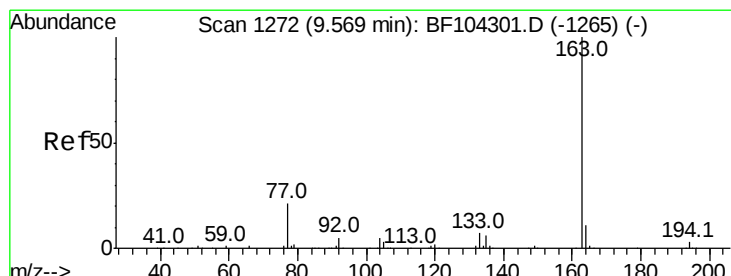
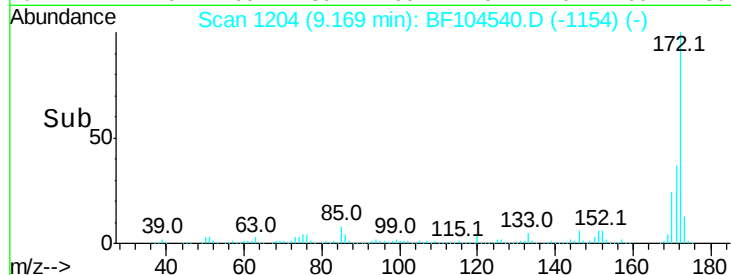
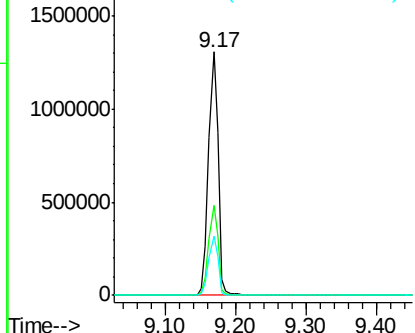
#44
2-Fluorobiphenyl
Concen: 74.327 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF104540.D
Acq: 16 Apr 2018 18:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1233555
Ion Ratio Lower Upper
172 100
171 36.9 29.7 44.5
170 24.4 19.6 29.4

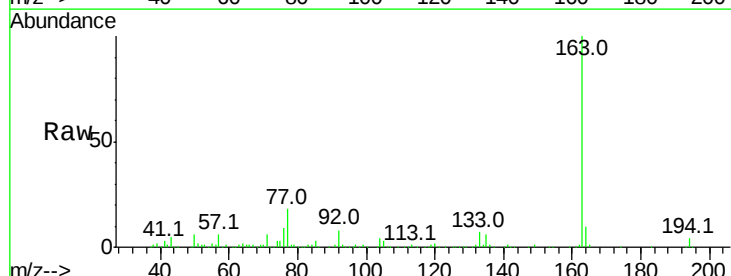


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

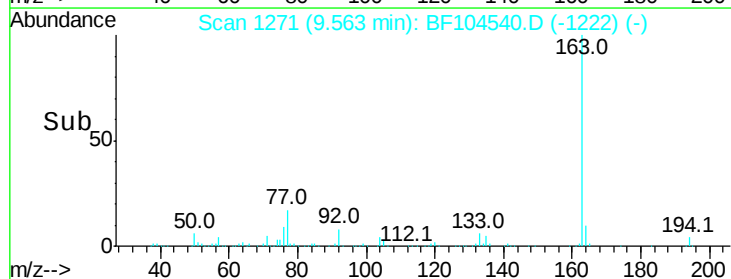
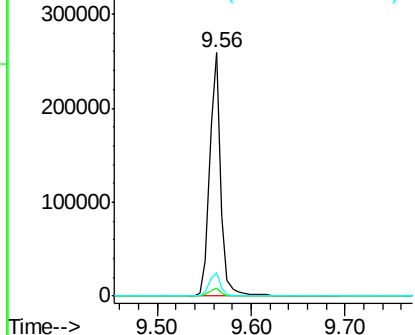


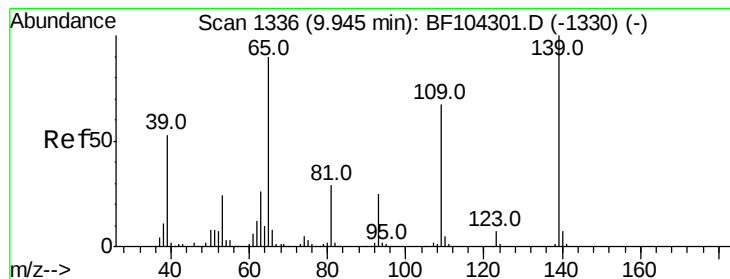
#49
Dimethylphthalate
Concen: 10.454 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104540.D
Acq: 16 Apr 2018 18:41

Tgt Ion:163 Resp: 216140
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.8 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





#55

4-Nitrophenol

Concen: 2.128 ng

RT: 10.05 min Scan# 1354

Delta R.T. 0.08 min

Lab File: BF104540.D

Acq: 16 Apr 2018 18:41

Instrument :

BNA_F

ClientSampled :

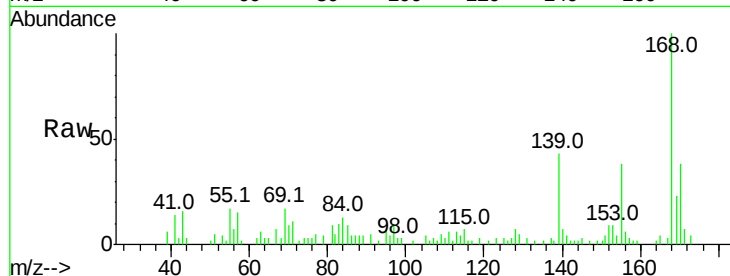
Tot Ion:139 Resp: 7487

Ion Ratio Lower Upper

139 100

109 12.6 48.4 88.4#

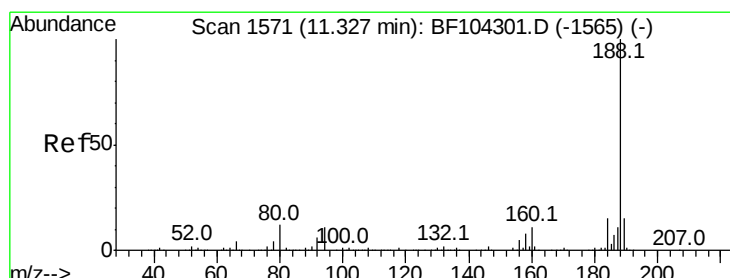
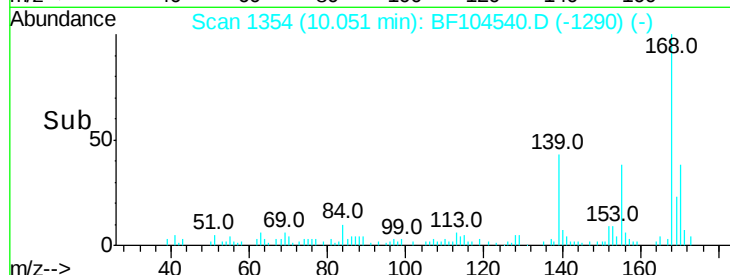
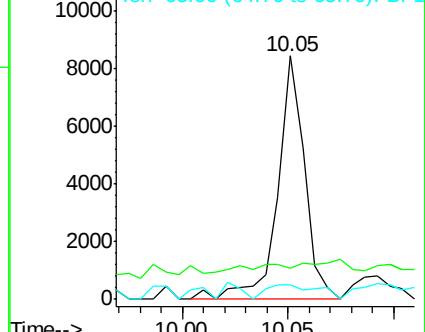
65 6.2 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.00 min

Lab File: BF104540.D

Acq: 16 Apr 2018 18:41

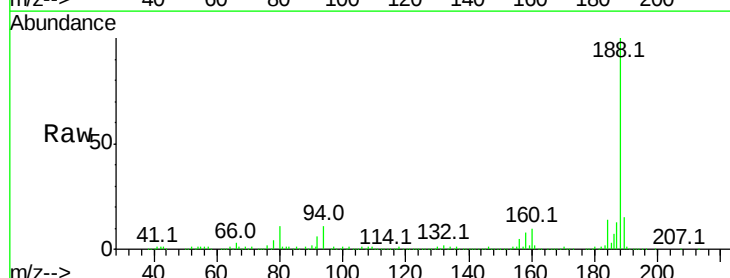
Tgt Ion:188 Resp: 436934

Ion Ratio Lower Upper

188 100

94 10.8 8.5 12.7

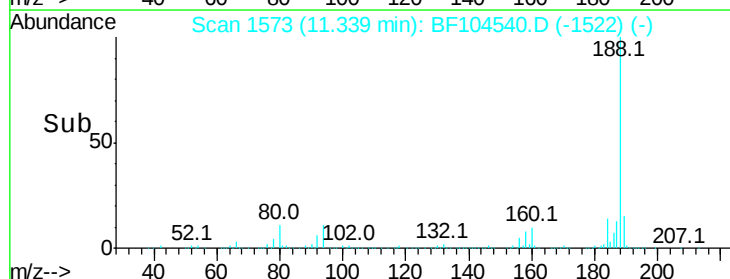
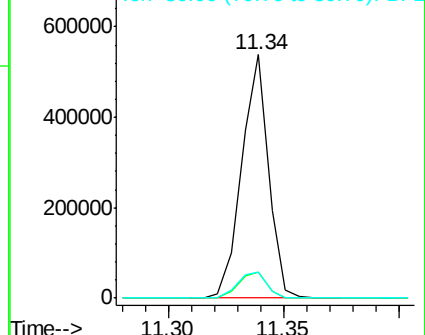
80 11.0 9.2 13.8

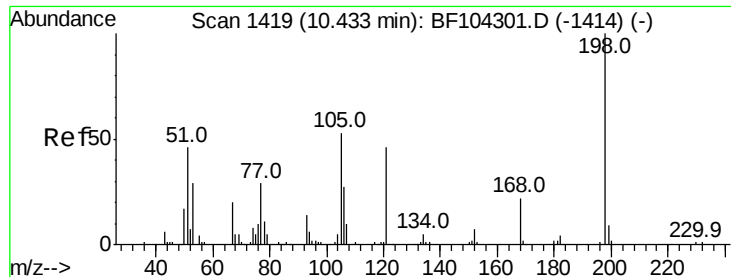


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 7.445 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.22 min

Lab File: BF104540.D

Acq: 16 Apr 2018 18:41

Instrument :

BNA_F

ClientSampleId :

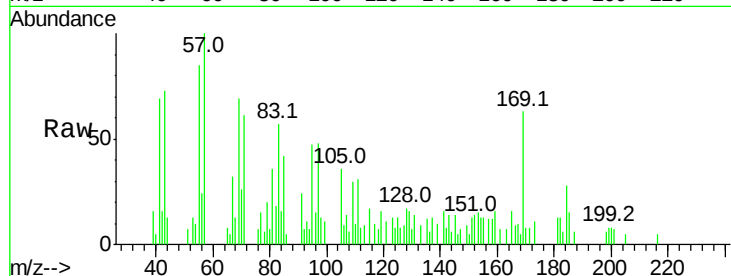
Tot Ion:198 Resp: 247

Ion Ratio Lower Upper

198 100

51 114.2 37.7 77.7#

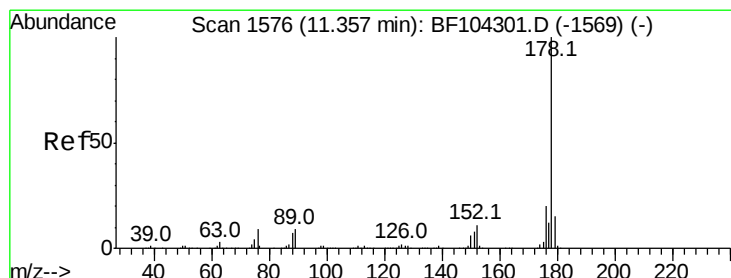
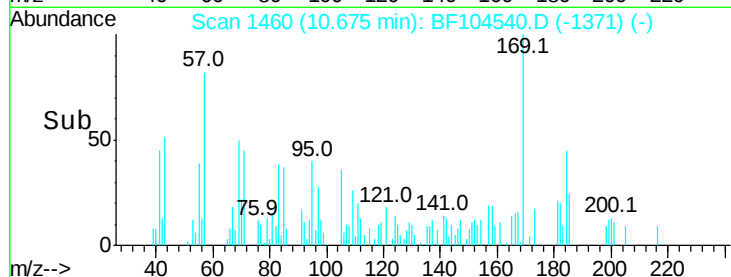
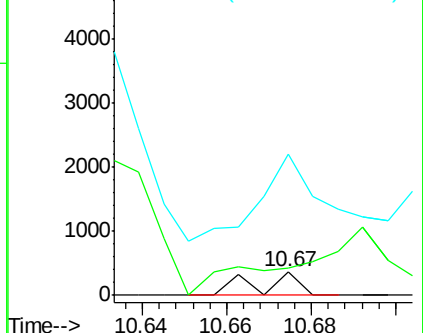
105 603.3 36.3 76.3#



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



#70

Phenanthrene

Concen: 8.055 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF104540.D

Acq: 16 Apr 2018 18:41

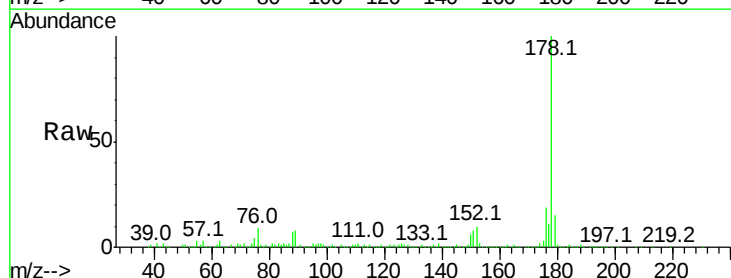
Tgt Ion:178 Resp: 196001

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

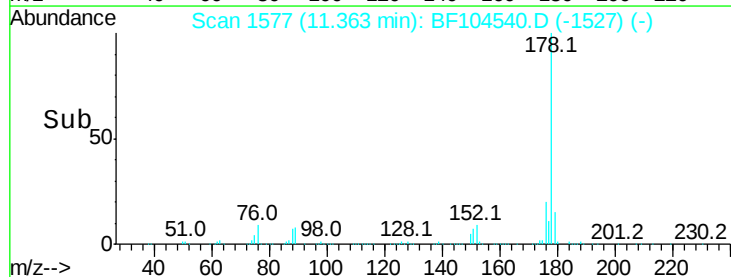
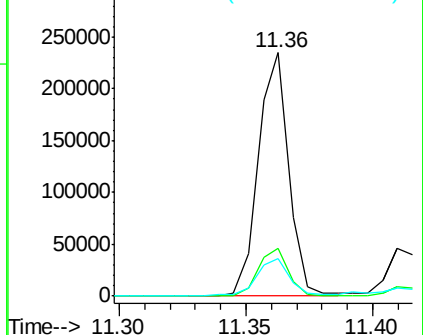
179 15.3 13.0 19.6

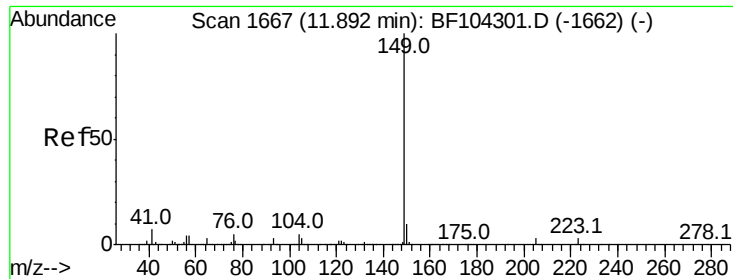


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

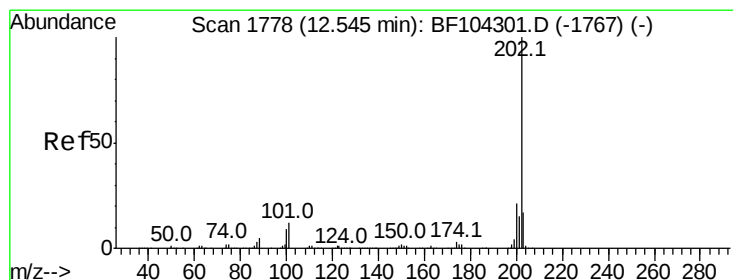
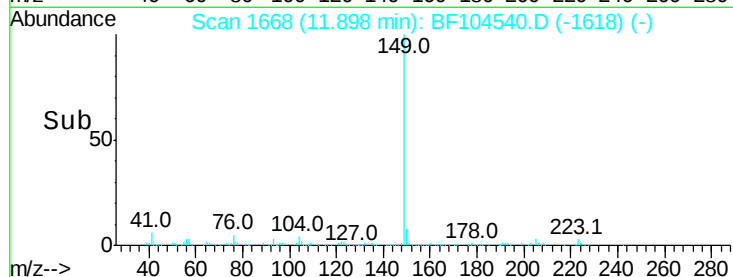
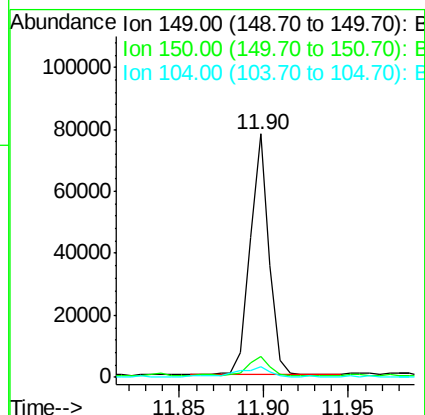
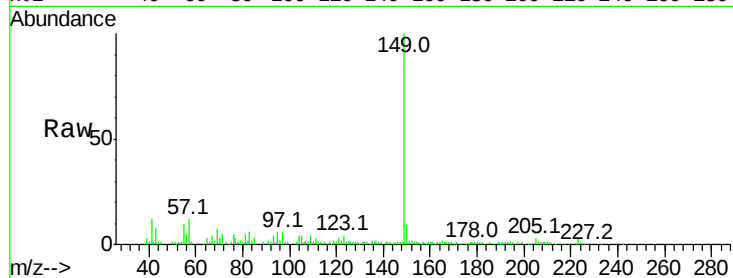




#73
Di-n-butylphthalate
Concen: 2.048 ng
RT: 11.90 min Scan# 1668
Delta R.T. -0.01 min
Lab File: BF104540.D
Acq: 16 Apr 2018 18:41

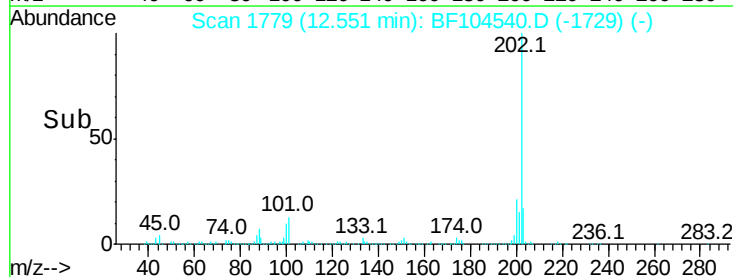
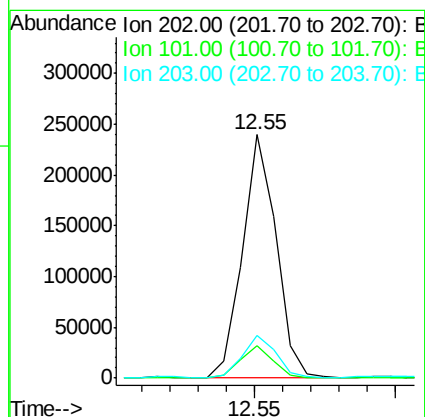
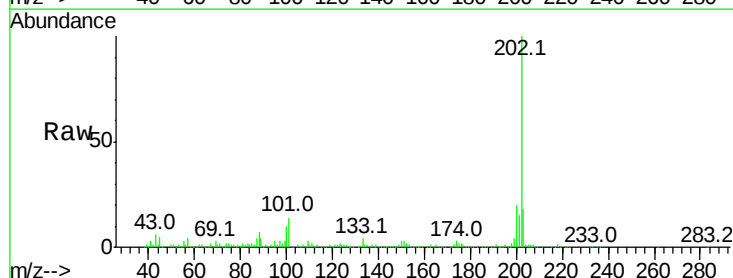
Instrument :
BNA_F
ClientSampleId :

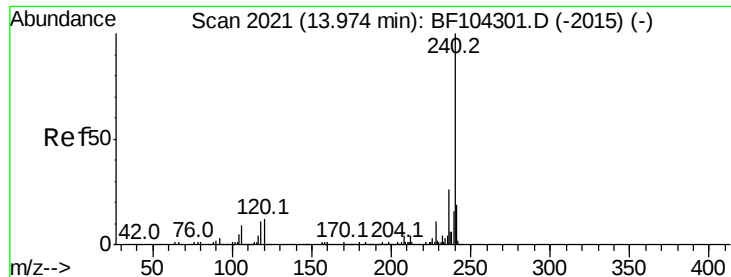
Tot Ion:149 Resp: 60462
Ion Ratio Lower Upper
149 100
150 8.8 7.8 11.6
104 4.3 3.8 5.8



#74
Fluoranthene
Concen: 7.754 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.01 min
Lab File: BF104540.D
Acq: 16 Apr 2018 18:41

Tgt Ion:202 Resp: 197128
Ion Ratio Lower Upper
202 100
101 13.5 0.0 34.1
203 17.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF104540.D

Acq: 16 Apr 2018 18:41

Instrument :

BNA_F

ClientSampleId :

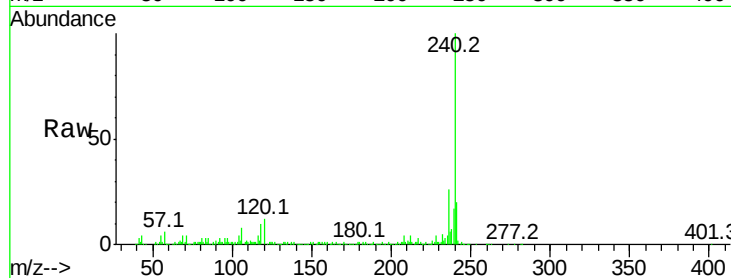
Tot Ion:240 Resp: 264807

Ion Ratio Lower Upper

240 100

120 12.1 9.5 14.3

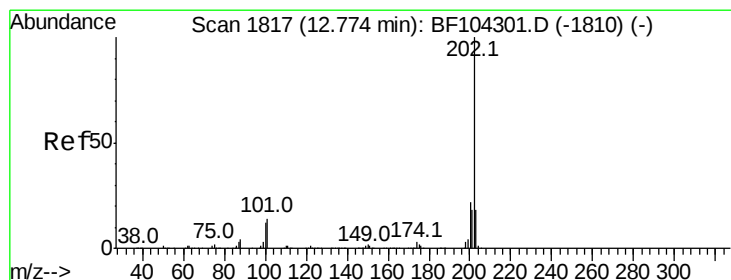
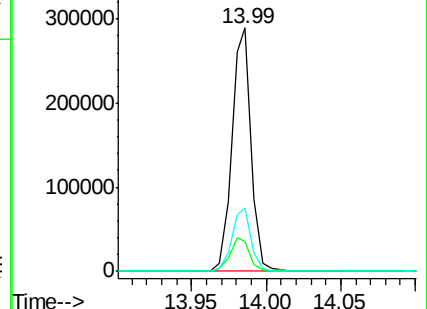
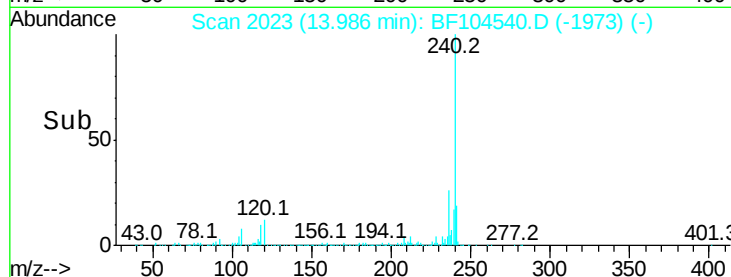
236 26.1 20.7 31.1



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: 9.066 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF104540.D

Acq: 16 Apr 2018 18:41

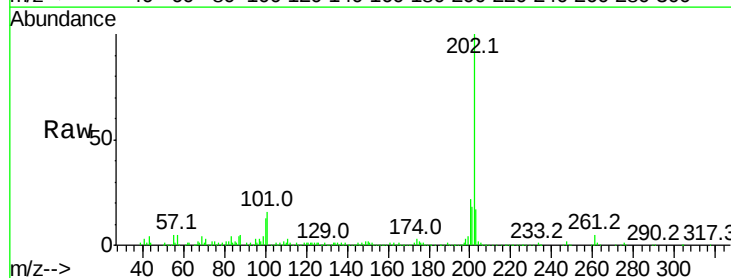
Tgt Ion:202 Resp: 177948

Ion Ratio Lower Upper

202 100

200 22.3 17.4 26.2

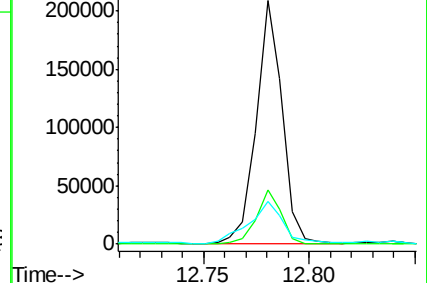
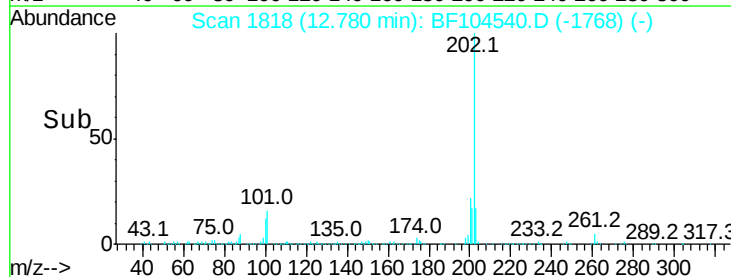
203 17.4 14.3 21.5

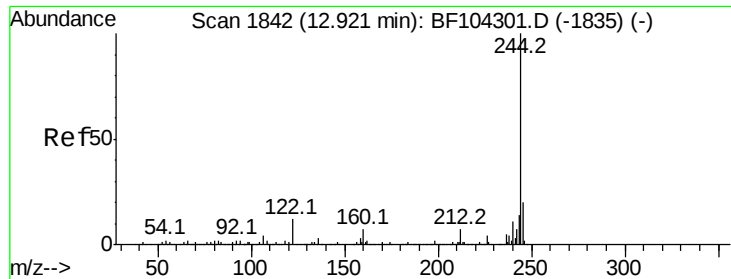


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

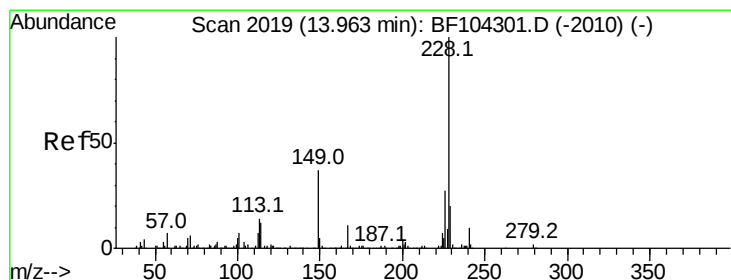
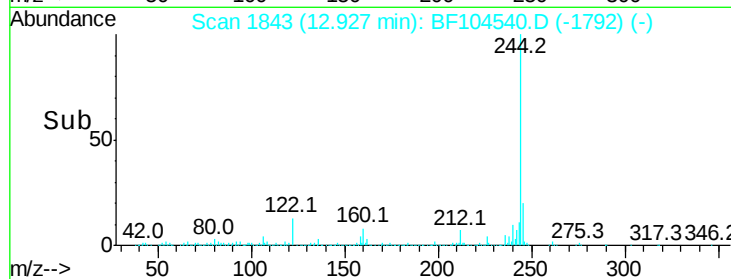
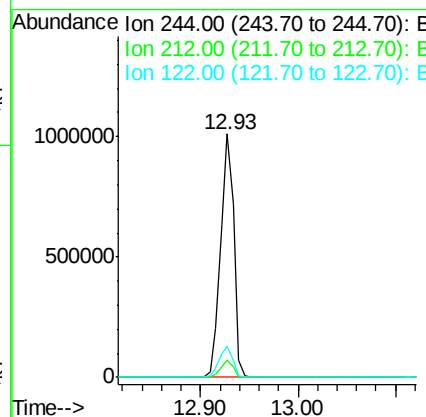
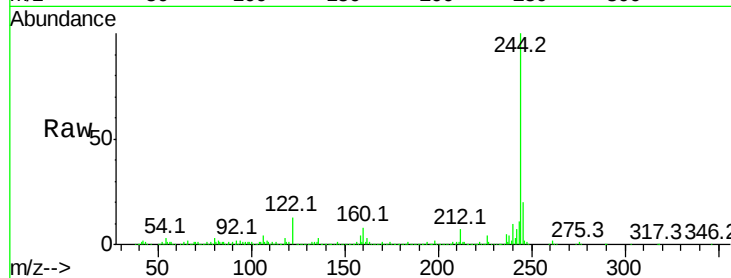




#78
 Terphenyl-d14
 Concen: 81.823 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: BF104540.D
 Acq: 16 Apr 2018 18:41

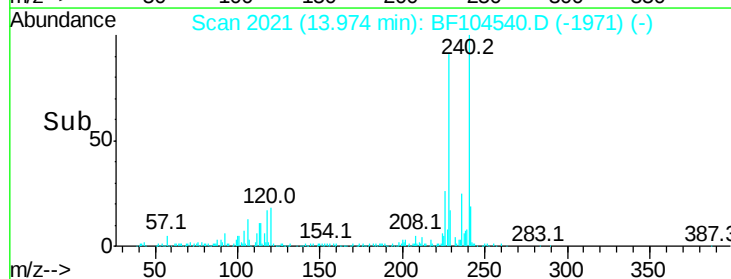
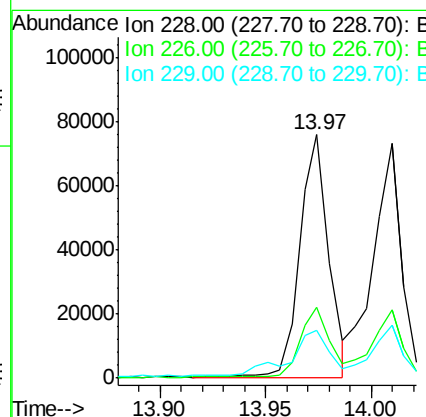
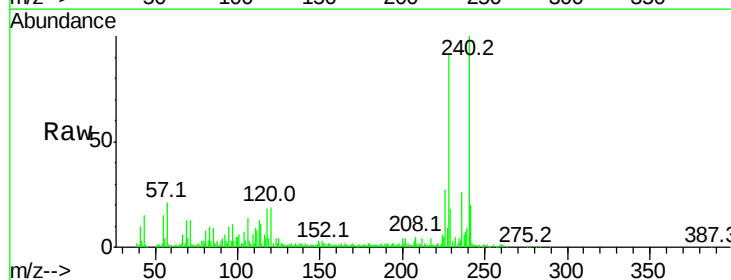
Instrument :
 BNA_F
 ClientSampleId :

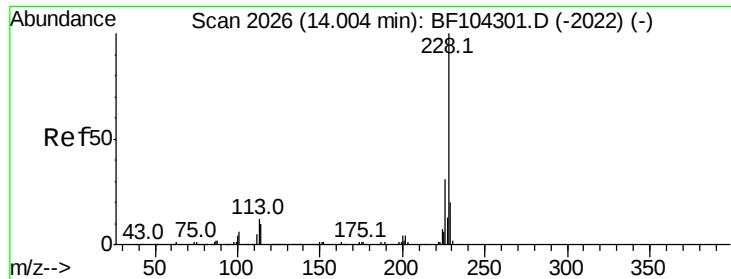
Tot Ion:244 Resp: 950396
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 12.8 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 4.519 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF104540.D
 Acq: 16 Apr 2018 18:41

Tgt Ion:228 Resp: 71495
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.6 33.8
 229 19.7 15.8 23.6





#82

Chrysene

Concen: 4.241 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF104540.D

Acq: 16 Apr 2018 18:41

Instrument :

BNA_F

ClientSampled :

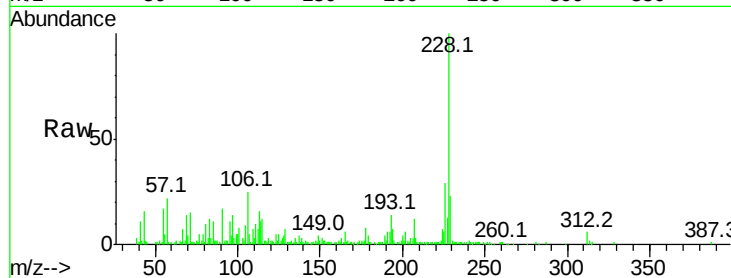
Tot Ion:228 Resp: 68914

Ion Ratio Lower Upper

228 100

226 29.2 25.0 37.6

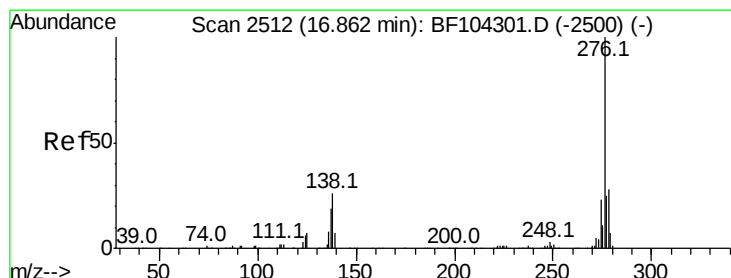
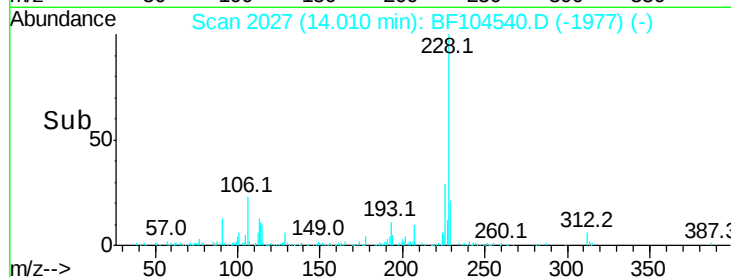
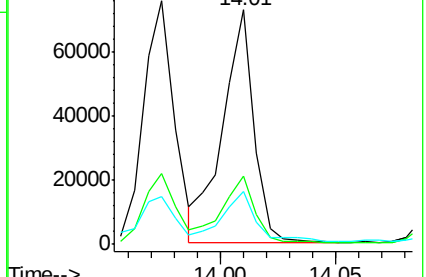
229 22.6 16.2 24.4



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: 3.579 ng

RT: 16.90 min Scan# 2519

Delta R.T. -0.01 min

Lab File: BF104540.D

Acq: 16 Apr 2018 18:41

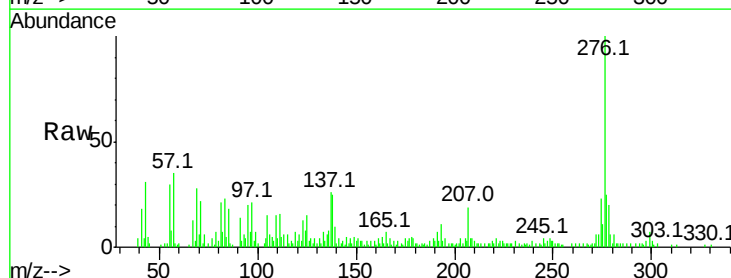
Tgt Ion:276 Resp: 49407

Ion Ratio Lower Upper

276 100

138 26.2 25.0 37.6

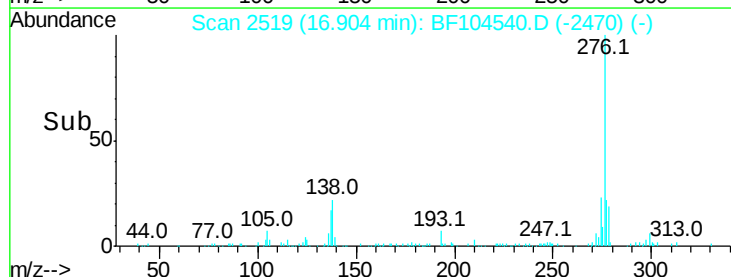
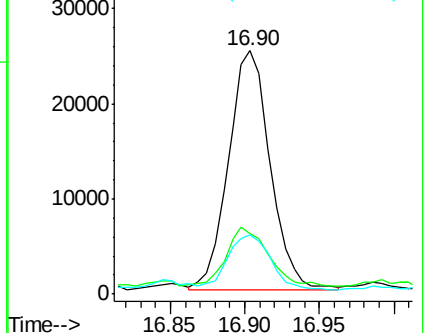
277 23.6 20.1 30.1

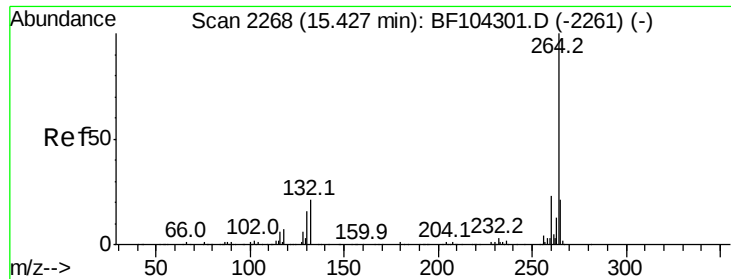


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

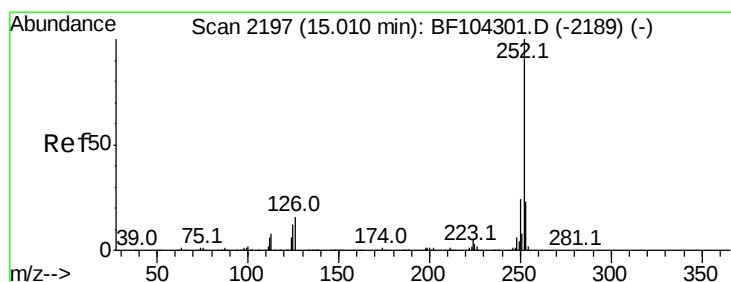
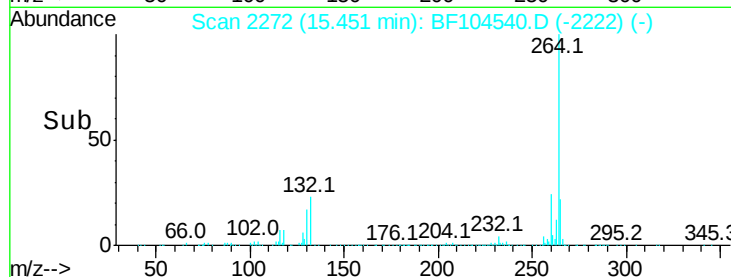
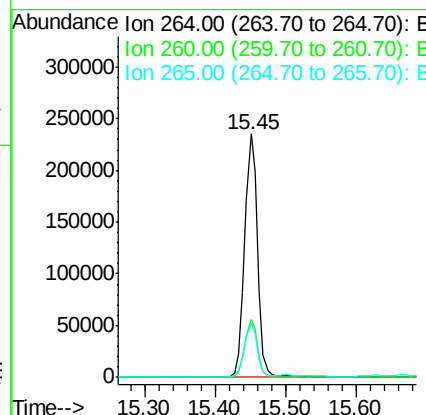
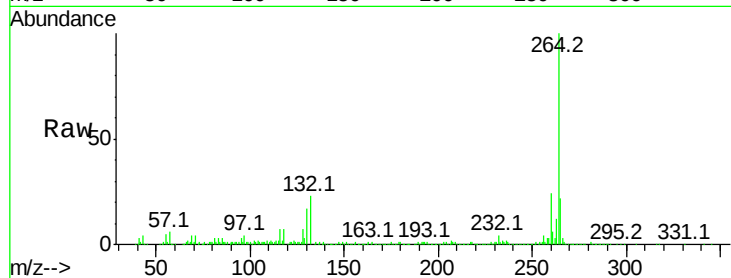




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF104540.D
Acq: 16 Apr 2018 18:41

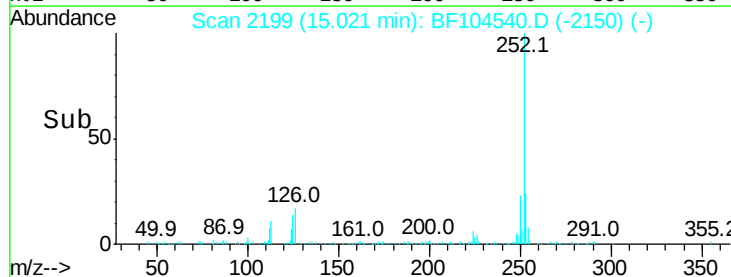
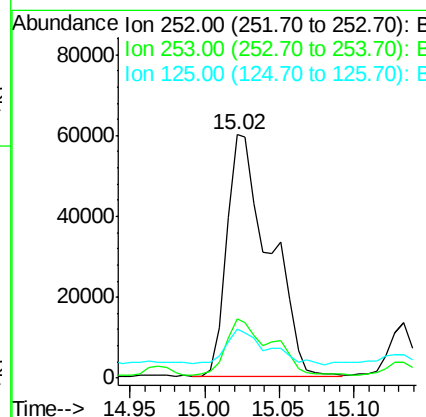
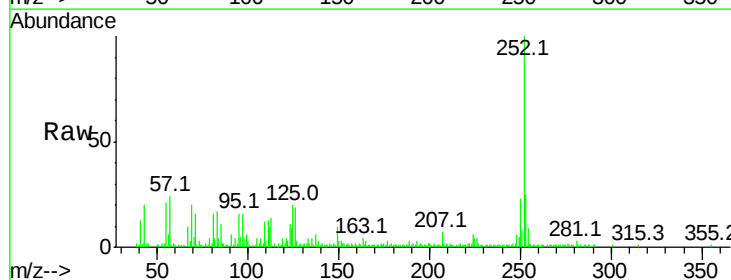
Instrument :
BNA_F
ClientSampleId :

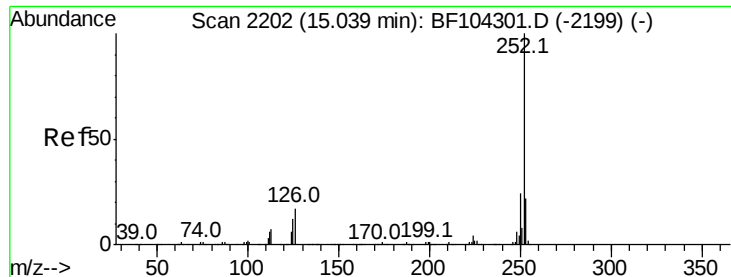
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.3	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 6.316 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF104540.D
Acq: 16 Apr 2018 18:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.0	25.6
125	20.2	9.0	13.6

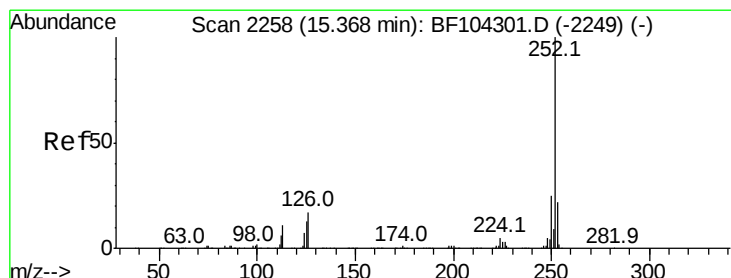
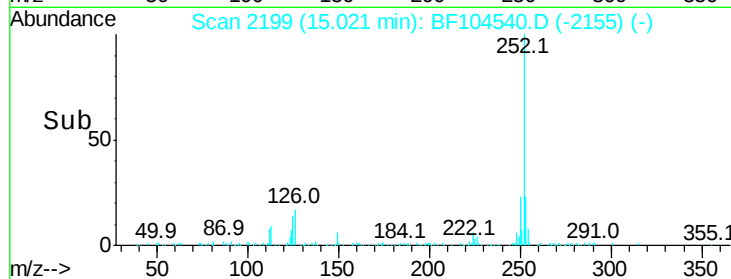
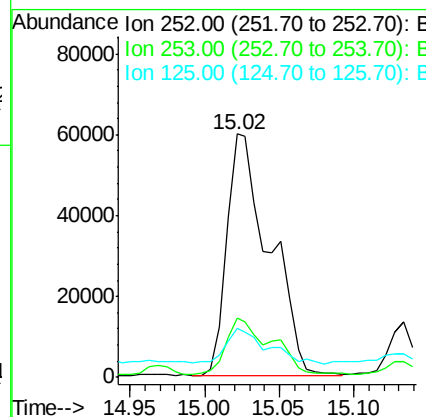
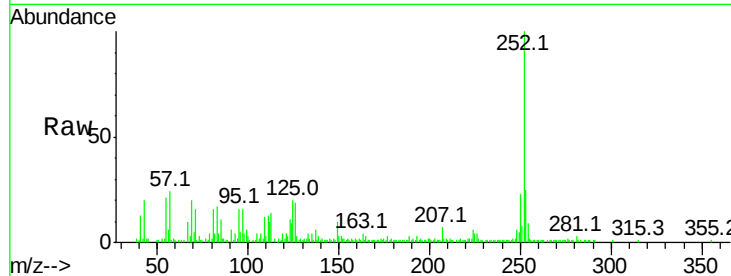




#88
Benzo(k)fluoranthene
Concen: 6.690 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF104540.D
Acq: 16 Apr 2018 18:41

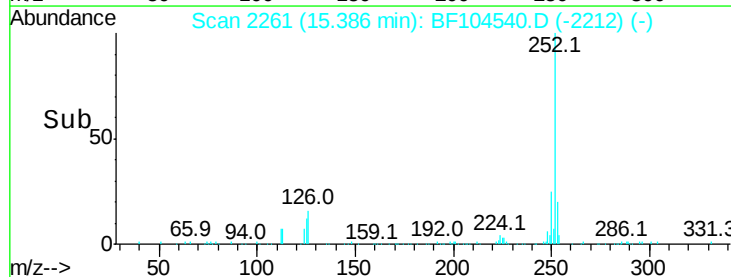
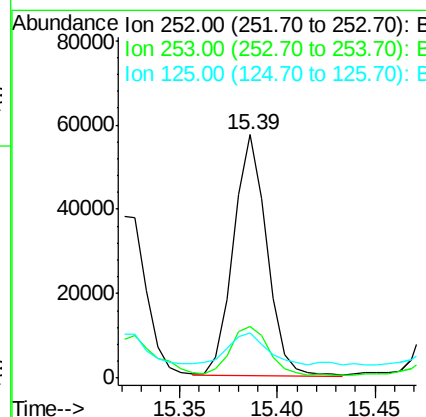
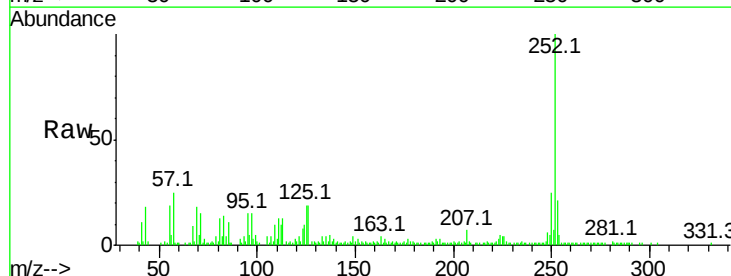
Instrument :
BNA_F
ClientSampleId :

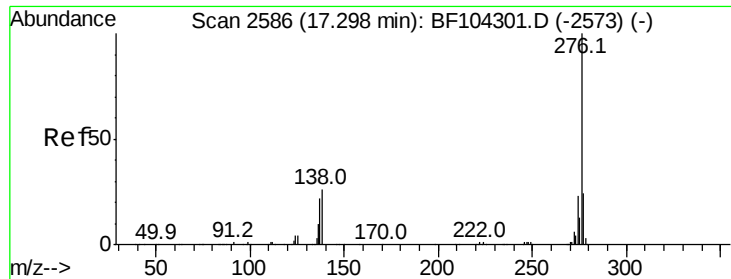
Tot Ion:252 Resp: 119583
Ion Ratio Lower Upper
252 100
253 24.6 17.9 26.9
125 20.2 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 3.988 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF104540.D
Acq: 16 Apr 2018 18:41

Tgt Ion:252 Resp: 67566
Ion Ratio Lower Upper
252 100
253 21.3 17.1 25.7
125 18.5 9.8 14.6#





#91

Benzo(a,h,i)perylene

Concen: 3.630 ng

RT: 17.34 min Scan# 2593

Delta R.T. -0.02 min

Lab File: BF104540.D

Acq: 16 Apr 2018 18:41

Instrument :

BNA_F

ClientSampleId :

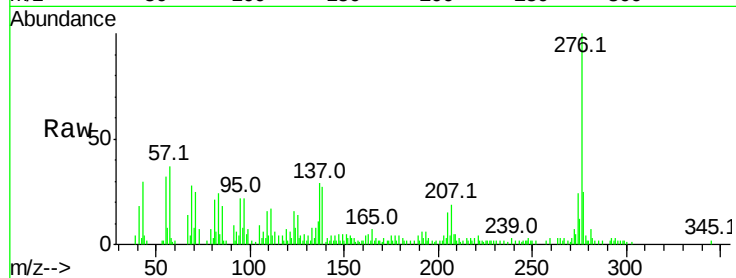
Tot Ion:276 Resp: 48933

Ion Ratio Lower Upper

276 100

277 24.6 17.9 26.9

138 26.7 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

