

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
 Data File : BF104545.D
 Acq On : 16 Apr 2018 20:54
 Operator : JU/SJ
 Sample : J2354-02 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 17 00:56:48 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	168976	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	669971	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	291709	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	446692	20.00	ng	0.00
75) Chrysene-d12	13.98	240	316058	20.00	ng	-0.01
86) Perylene-d12	15.45	264	283739	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	515654	46.66	ng	0.00
7) Phenol-d6	6.44	99	620103	45.67	ng	-0.01
23) Nitrobenzene-d5	7.37	82	367572	35.83	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	136784	45.20	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	663077	35.91	ng	0.00
78) Terphenyl-d14	12.93	244	479682	34.60	ng	0.00

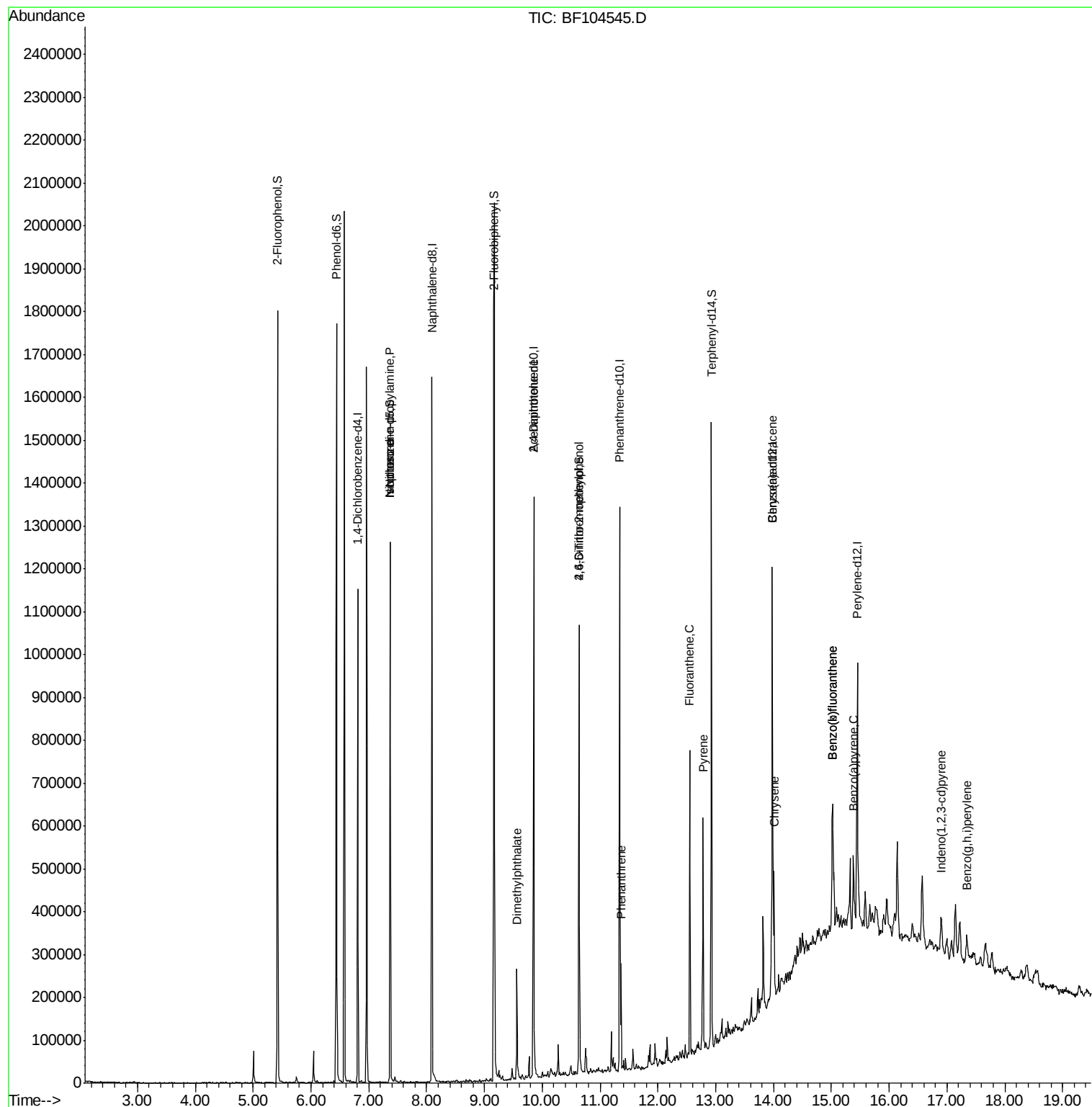
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.44	77	1038	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	47184	5.318	ng	# 73
25) Isophorone	7.37	82	364885	16.818	ng	# 64
49) Dimethylphthalate	9.56	163	110904	4.821	ng	# 99
56) 2,4-Dinitrotoluene	9.85	165	37738	6.759	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.64	198	221	7.433	ng	# 1
70) Phenanthrene	11.36	178	88387	3.553	ng	# 98
74) Fluoranthene	12.55	202	242039	9.313	ng	# 99
76) Benzidine	12.60	184	219	Below Cal	#	66
77) Pyrene	12.78	202	206765	8.826	ng	# 99
80) Benzo(a)anthracene	13.97	228	85644	4.536	ng	# 97
82) Chrysene	14.01	228	117556	6.061	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.90	276	51866	3.148	ng	# 92
87) Benzo(b)fluoranthene	15.02	252	197422	11.017	ng	# 95
88) Benzo(k)fluoranthene	15.02	252	197422	11.669	ng	# 98
89) Benzo(a)pyrene	15.38	252	75598	4.715	ng	# 92
91) Benzo(a,h,i)perylene	17.34	276	50340	3.946	ng	# 94

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

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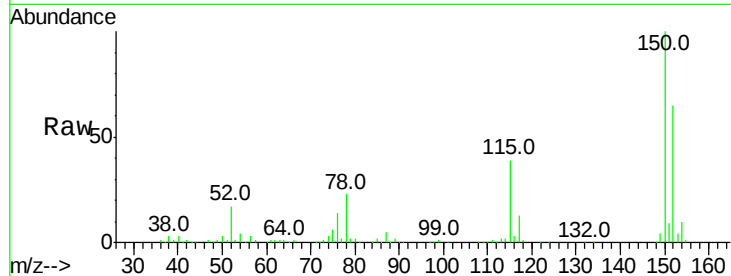


#1

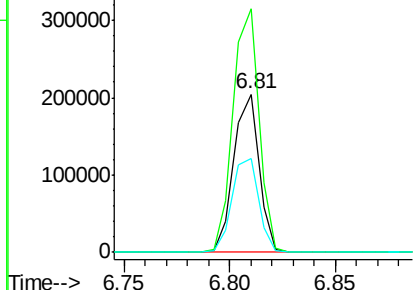
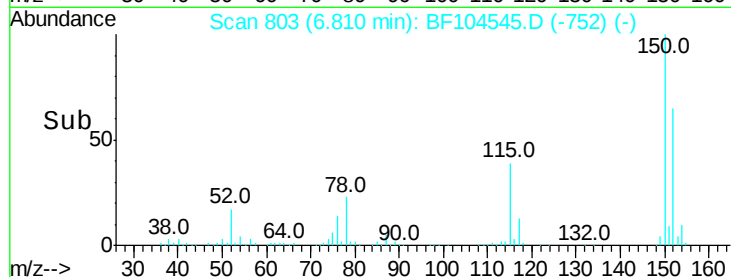
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF104545.D
 Acq: 16 Apr 2018 20:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 168976
 Ion Ratio Lower Upper
 152 100
 150 154.2 124.6 186.8
 115 59.7 50.1 75.1



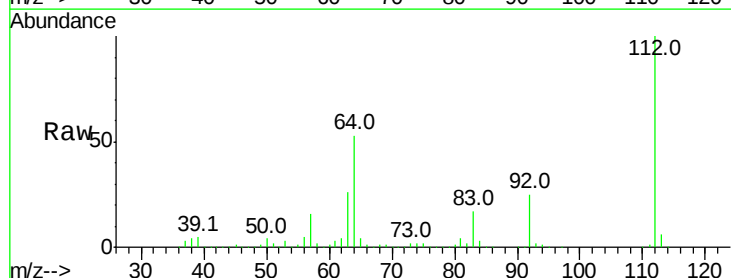
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



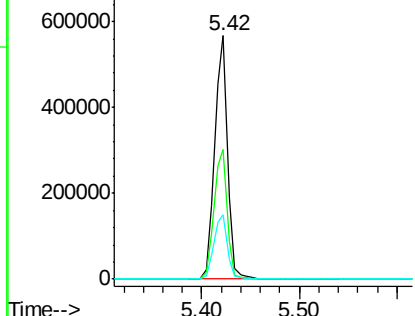
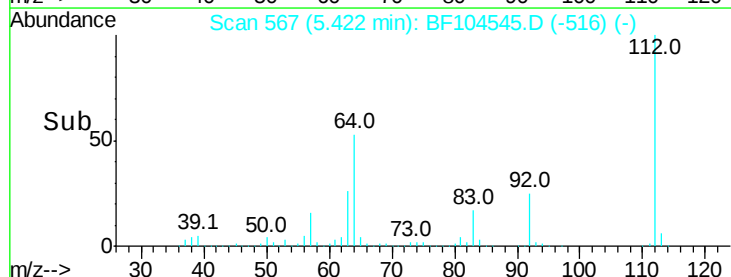
#5

2-Fluorophenol
 Concen: 46.661 ng
 RT: 5.42 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: BF104545.D
 Acq: 16 Apr 2018 20:54

Tgt Ion:112 Resp: 515654
 Ion Ratio Lower Upper
 112 100
 64 53.4 47.9 71.9
 63 26.5 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: 45.669 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104545.D

Acq: 16 Apr 2018 20:54

Instrument :

BNA_F

ClientSampleId :

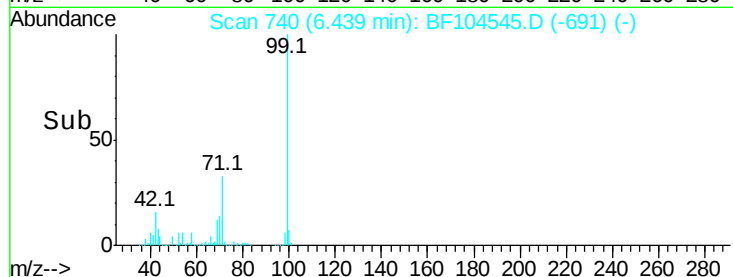
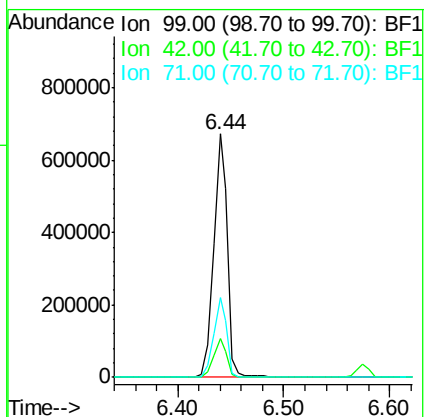
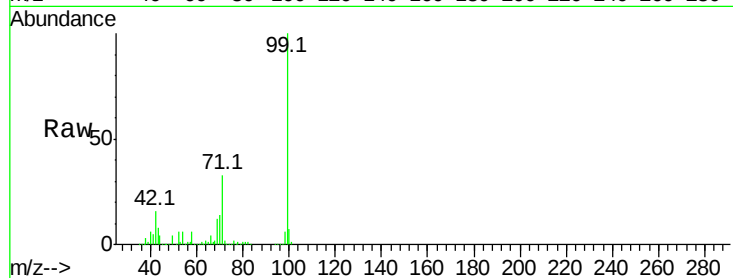
Tot Ion: 99 Resp: 620103

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

71 32.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.318 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF104545.D

Acq: 16 Apr 2018 20:54

Tgt Ion: 70 Resp: 47184

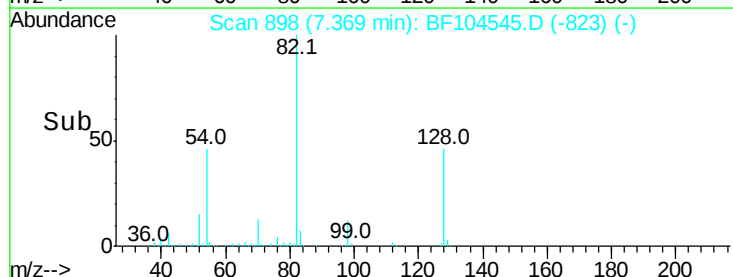
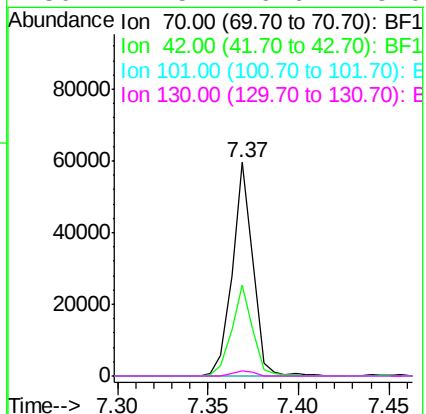
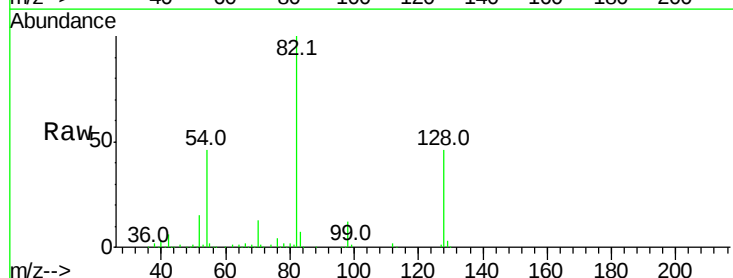
Ion Ratio Lower Upper

70 100

42 42.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 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: BF104545.D

Acq: 16 Apr 2018 20:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 669971

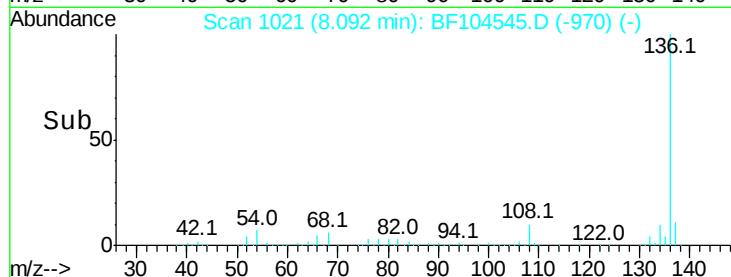
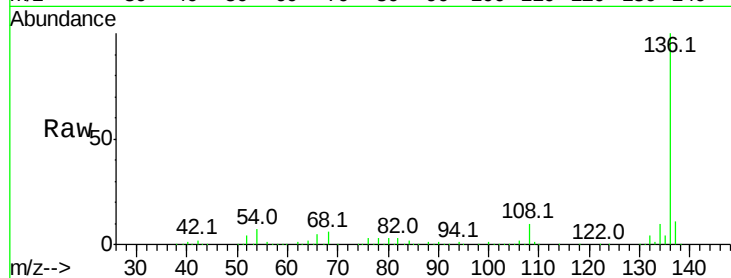
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.0 6.6 9.8

68 6.2 5.0 7.4

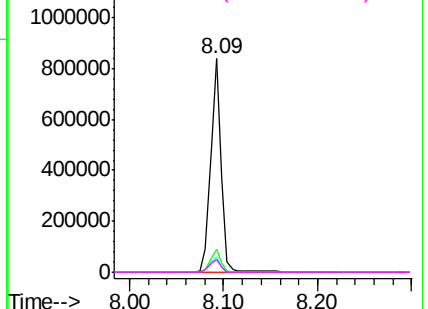


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 35.825 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF104545.D

Acq: 16 Apr 2018 20:54

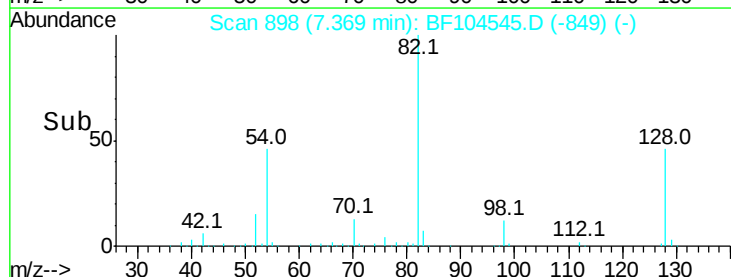
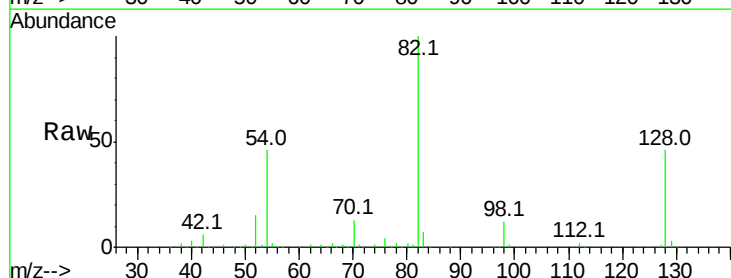
Tgt Ion: 82 Resp: 367572

Ion Ratio Lower Upper

82 100

128 45.9 36.1 54.1

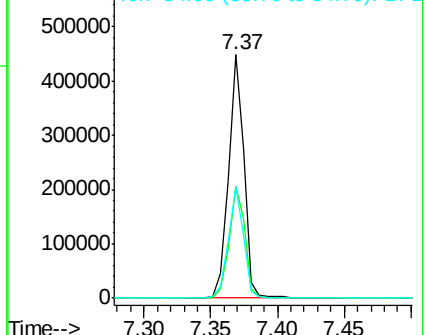
54 45.8 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 16.818 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104545.D

Acq: 16 Apr 2018 20:54

Instrument :

BNA_F

ClientSampleId :

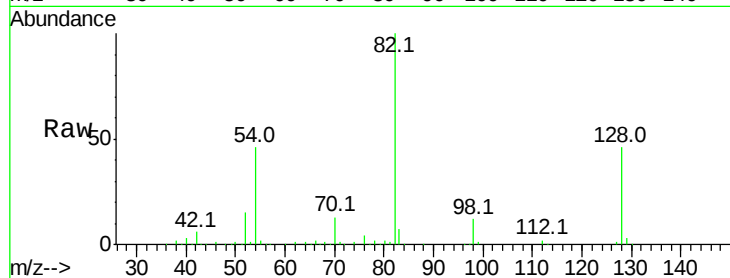
Tot Ion: 82 Resp: 364885

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

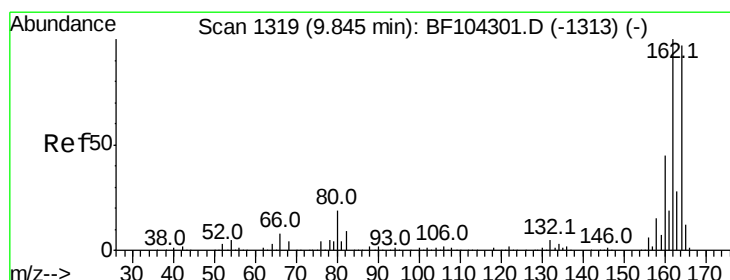
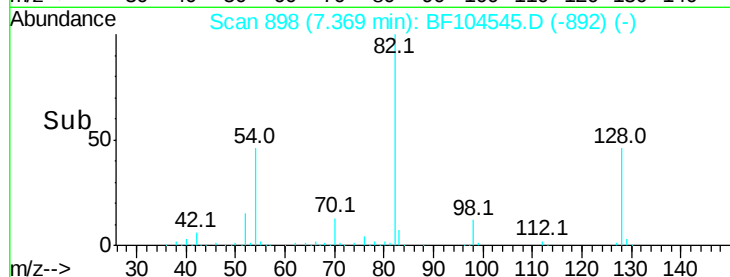
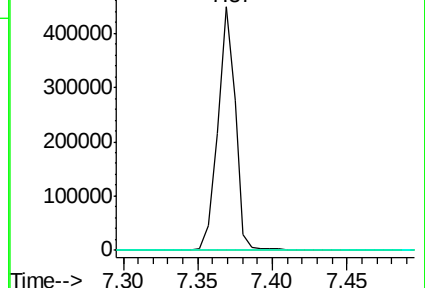
138 0.0 14.9 22.3#



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# 1320

Delta R.T. -0.00 min

Lab File: BF104545.D

Acq: 16 Apr 2018 20:54

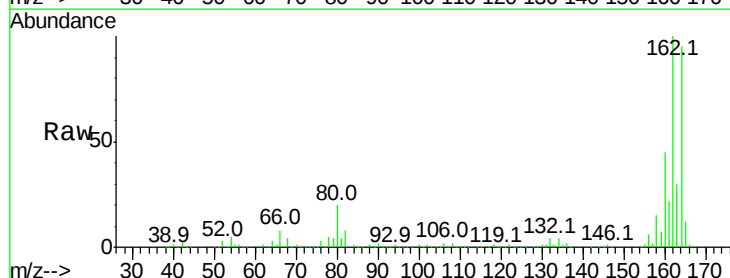
Tgt Ion: 164 Resp: 291709

Ion Ratio Lower Upper

164 100

162 105.1 86.1 129.1

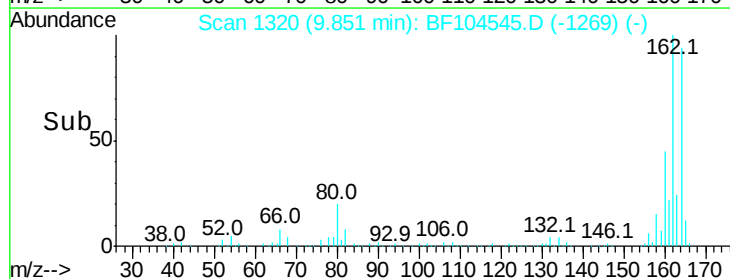
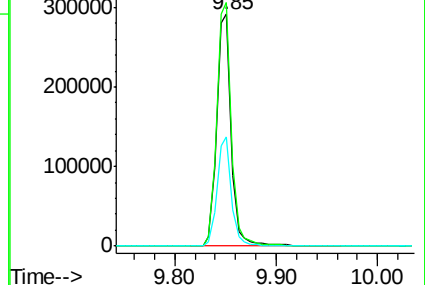
160 46.9 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

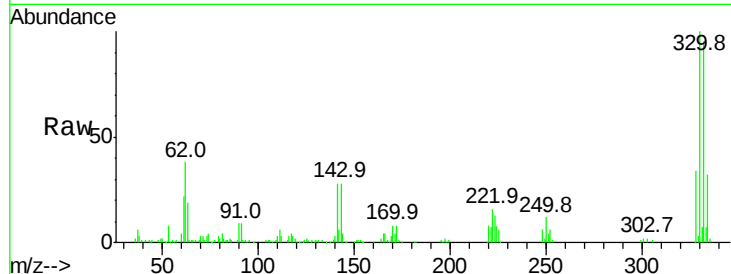




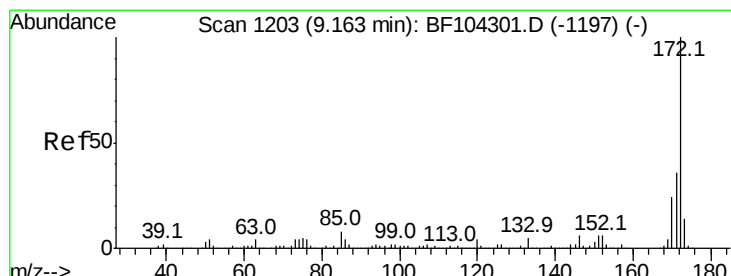
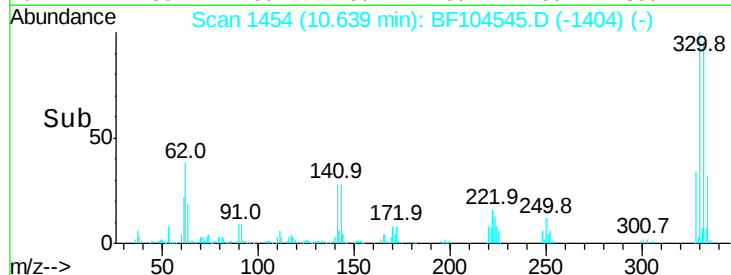
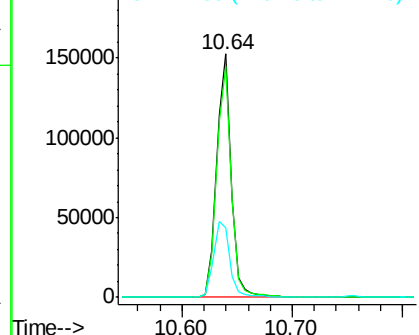
#41
 2,4,6-Tribromophenol
 Concen: 45.203 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104545.D
 Acq: 16 Apr 2018 20:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	35.0	29.9	44.9

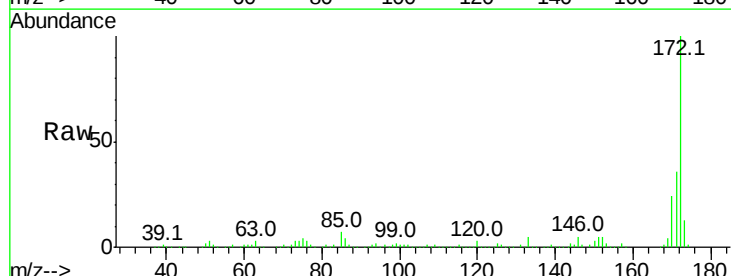


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

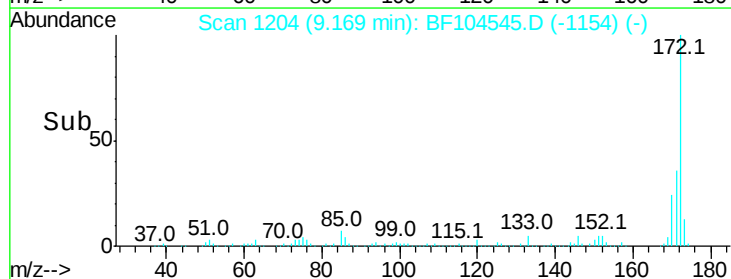
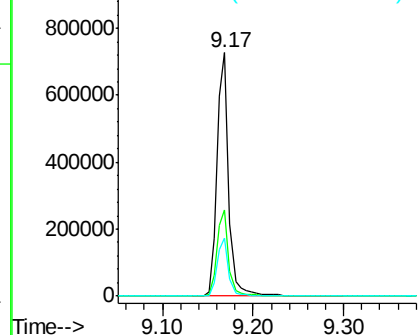


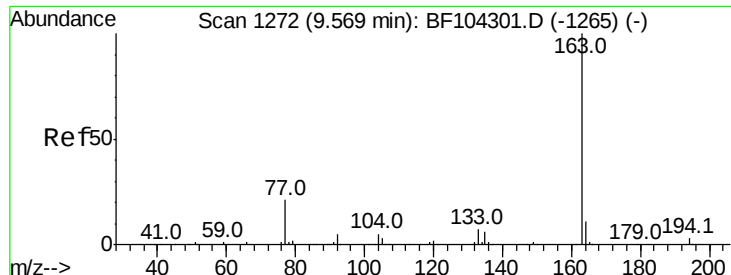
#44
 2-Fluorobiphenyl
 Concen: 35.909 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104545.D
 Acq: 16 Apr 2018 20:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.8	19.6	29.4



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

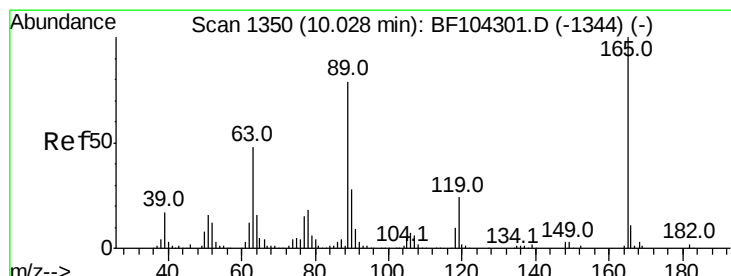
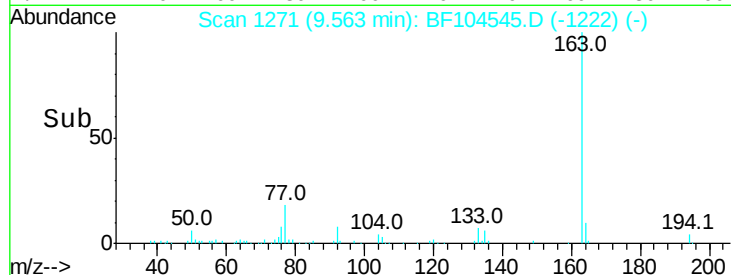
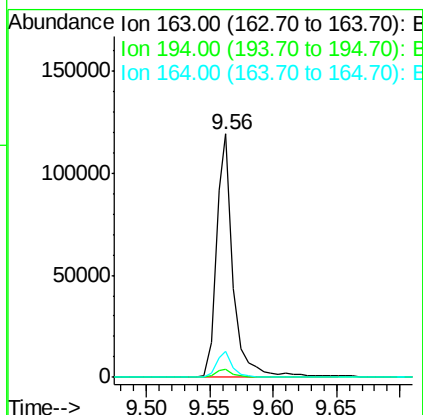
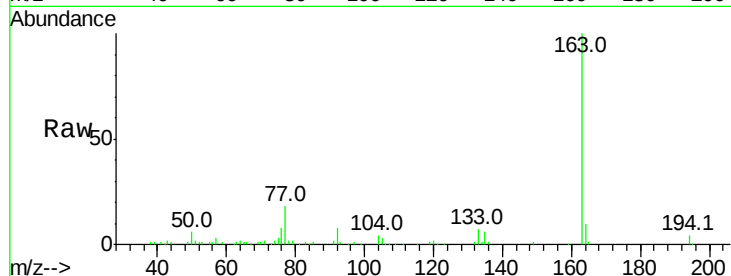




#49
Dimethylphthalate
Concen: 4.821 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104545.D
Acq: 16 Apr 2018 20:54

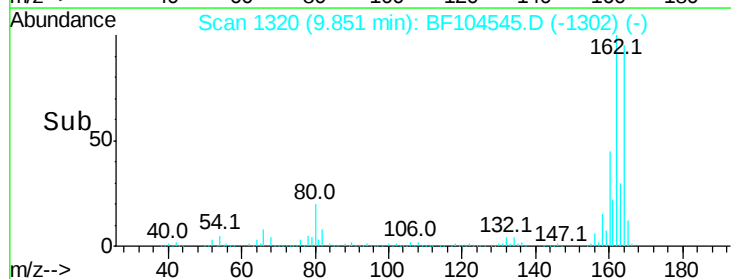
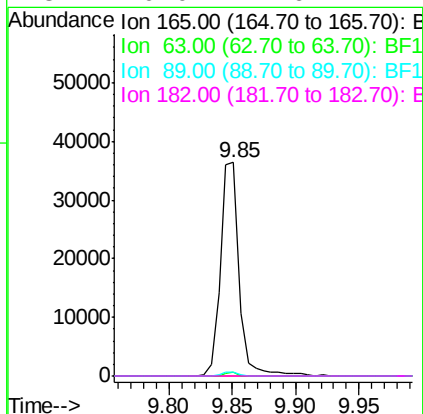
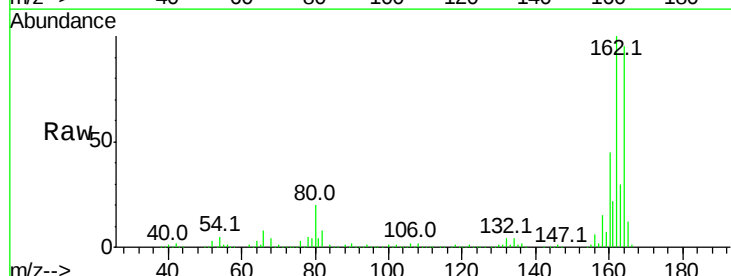
Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 110904
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.5 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 6.759 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.19 min
Lab File: BF104545.D
Acq: 16 Apr 2018 20:54

Tgt Ion:165 Resp: 37738
Ion Ratio Lower Upper
165 100
63 1.6 36.4 54.6#
89 1.7 57.8 86.6#
182 0.0 1.6 2.4#

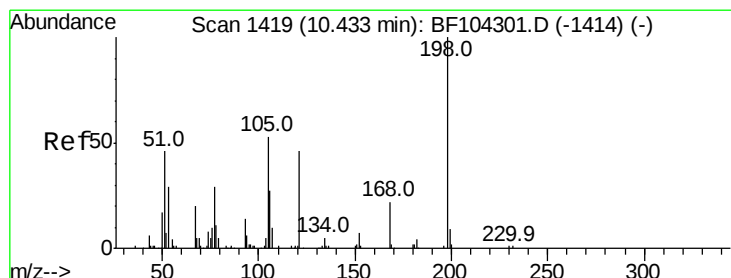
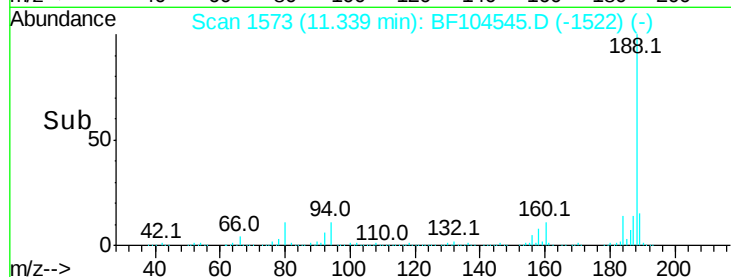
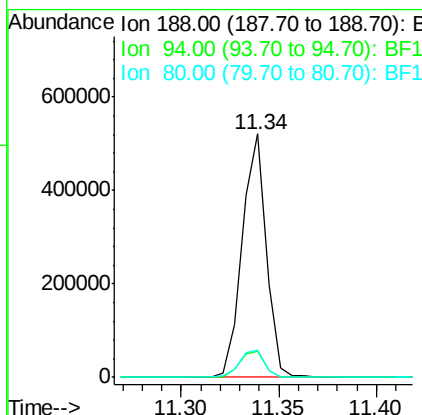
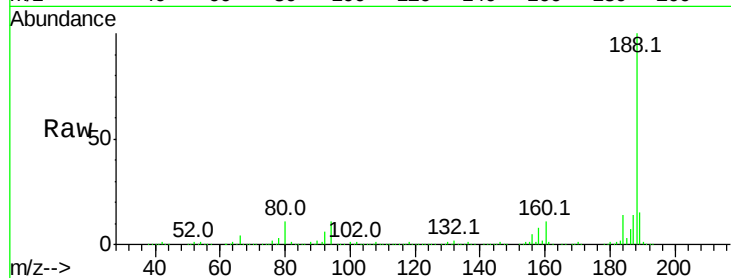




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF104545.D
Acq: 16 Apr 2018 20:54

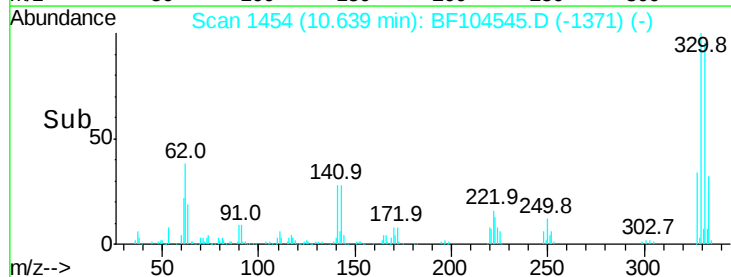
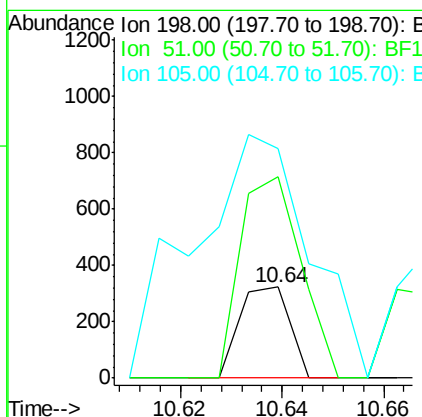
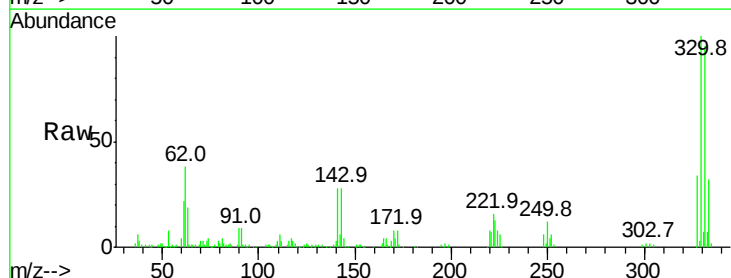
Instrument :
BNA_F
ClientSampleId :

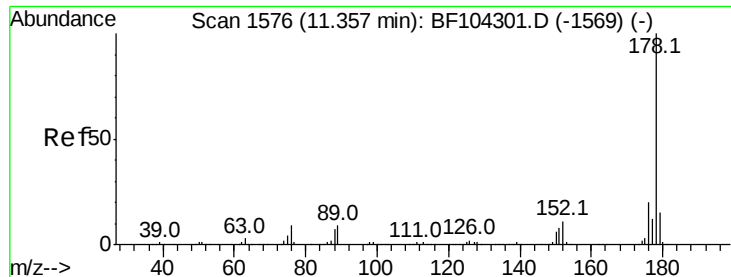
Tot Ion:188 Resp: 446692
Ion Ratio Lower Upper
188 100
94 10.7 8.5 12.7
80 11.4 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.433 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.19 min
Lab File: BF104545.D
Acq: 16 Apr 2018 20:54

Tgt Ion:198 Resp: 221
Ion Ratio Lower Upper
198 100
51 221.1 37.7 77.7#
105 252.9 36.3 76.3#

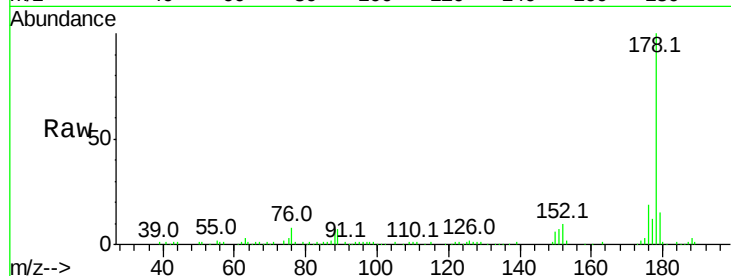




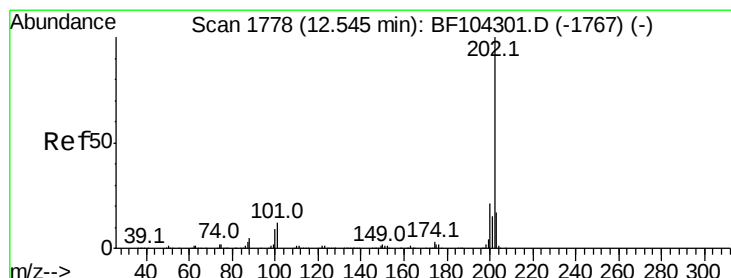
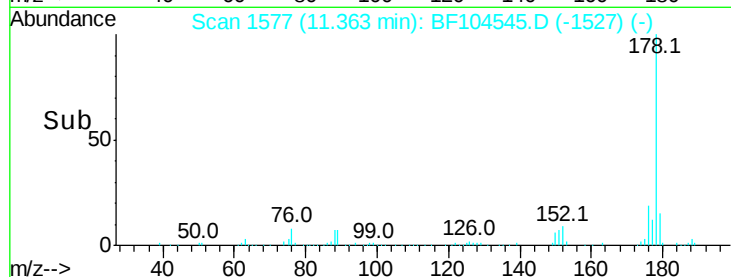
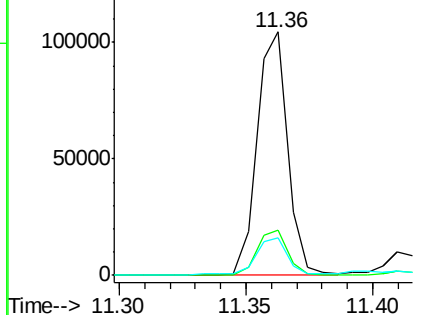
#70
Phenanthrene
Concen: 3.553 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF104545.D
Acq: 16 Apr 2018 20:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	15.3	13.0	19.6

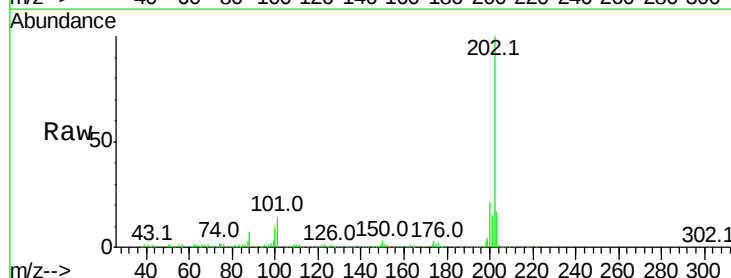


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

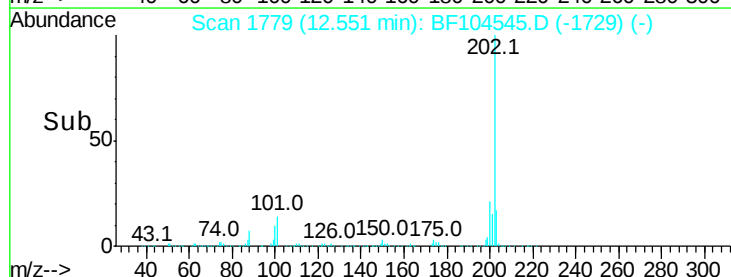
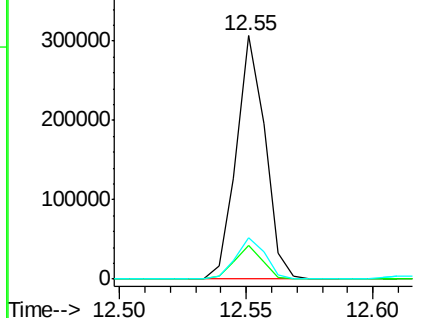


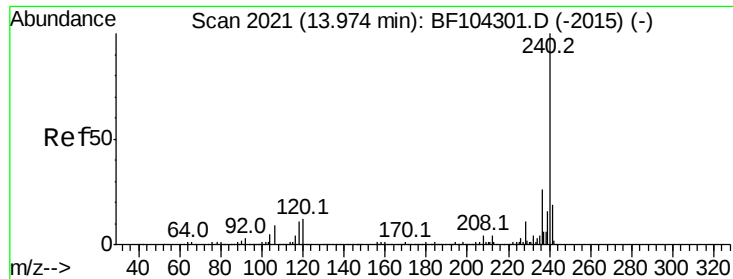
#74
Fluoranthene
Concen: 9.313 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.01 min
Lab File: BF104545.D
Acq: 16 Apr 2018 20:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.0	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: BF104545.D

Acq: 16 Apr 2018 20:54

Instrument :

BNA_F

ClientSampleId :

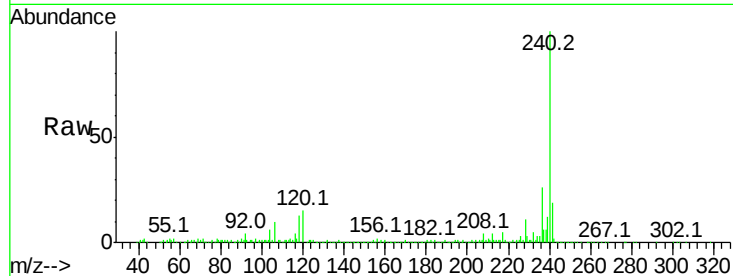
Tot Ion:240 Resp: 316058

Ion Ratio Lower Upper

240 100

120 15.0 9.5 14.3#

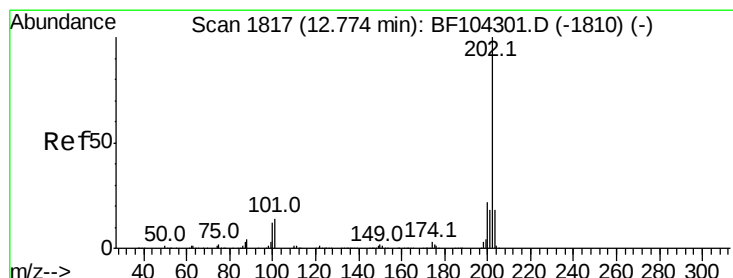
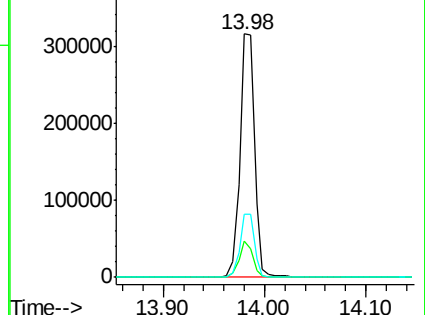
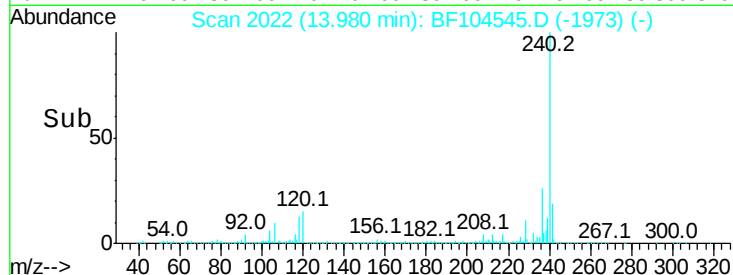
236 26.2 20.7 31.1



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: 8.826 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF104545.D

Acq: 16 Apr 2018 20:54

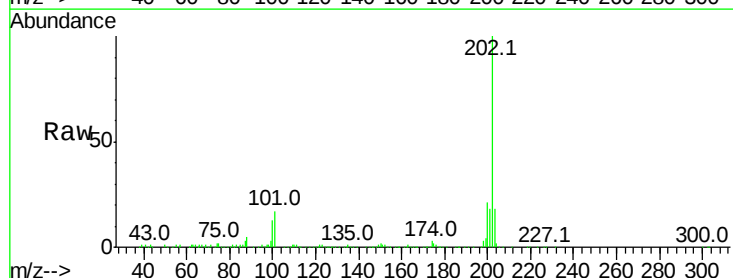
Tgt Ion:202 Resp: 206765

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

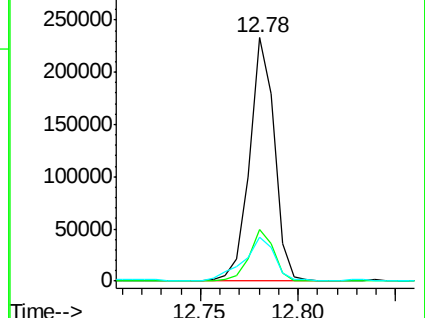
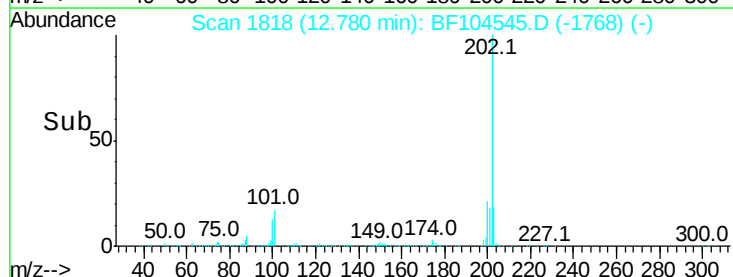
203 18.1 14.3 21.5

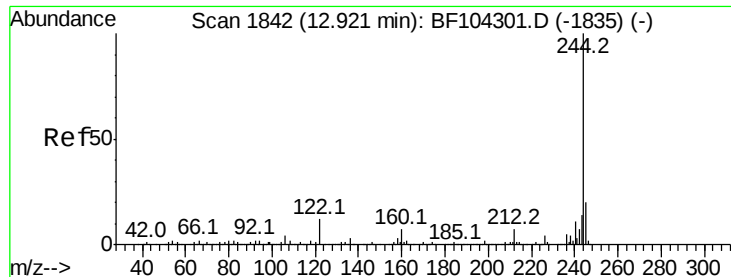


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

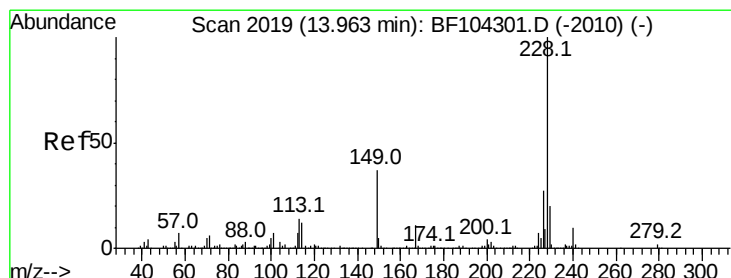
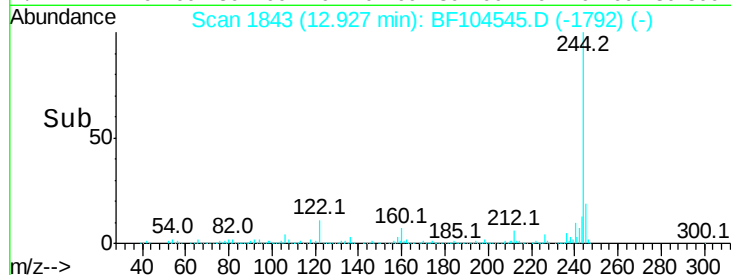
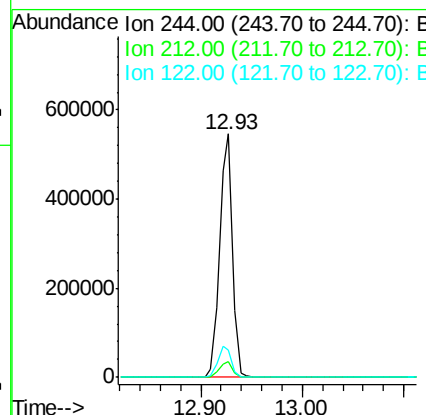
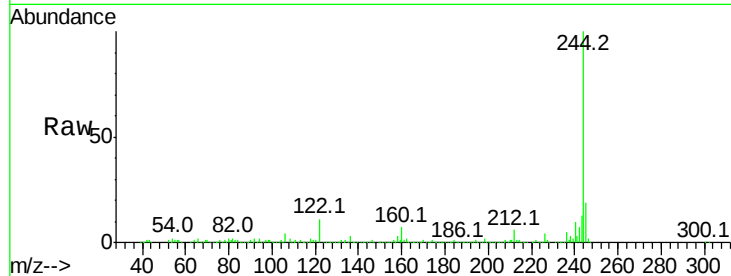




#78
 Terphenyl-d14
 Concen: 34.601 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: BF104545.D
 Acq: 16 Apr 2018 20:54

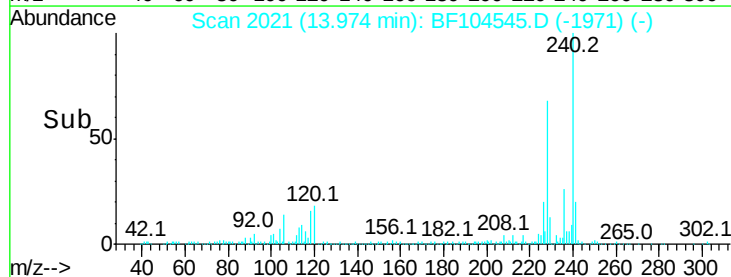
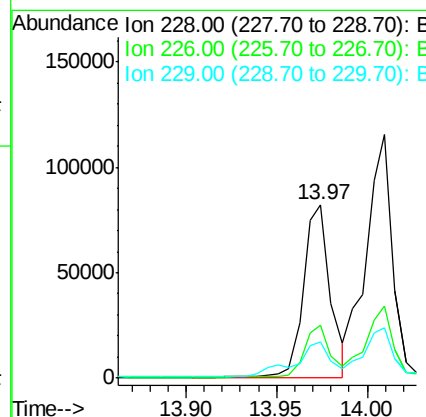
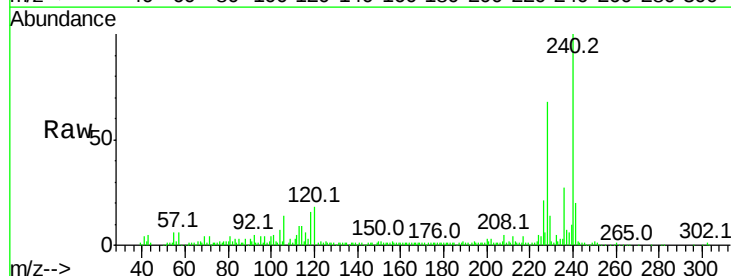
Instrument :
 BNA_F
 ClientSampleId :

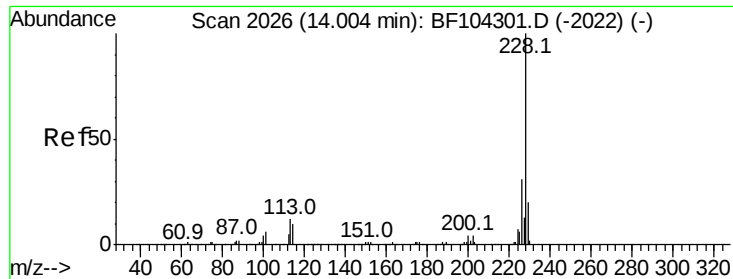
Tot Ion:244 Resp: 479682
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 11.4 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 4.536 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF104545.D
 Acq: 16 Apr 2018 20:54

Tgt Ion:228 Resp: 85644
 Ion Ratio Lower Upper
 228 100
 226 30.3 22.6 33.8
 229 21.0 15.8 23.6





#82

Chrysene

Concen: 6.061 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF104545.D

Acq: 16 Apr 2018 20:54

Instrument :

BNA_F

ClientSampleId :

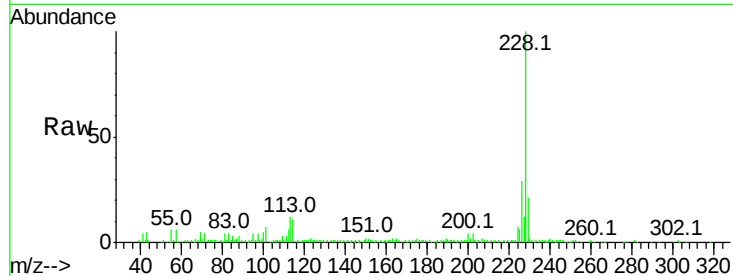
Tot Ion:228 Resp: 117556

Ion Ratio Lower Upper

228 100

226 29.5 25.0 37.6

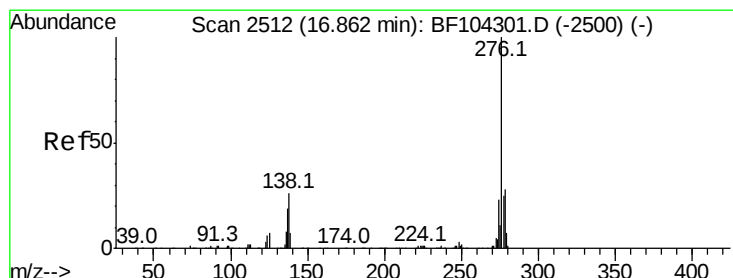
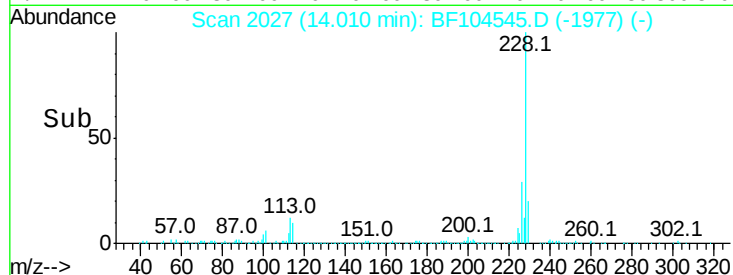
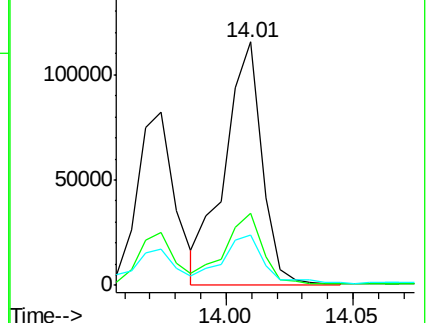
229 20.6 16.2 24.4



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: 3.148 ng

RT: 16.90 min Scan# 2518

Delta R.T. -0.02 min

Lab File: BF104545.D

Acq: 16 Apr 2018 20:54

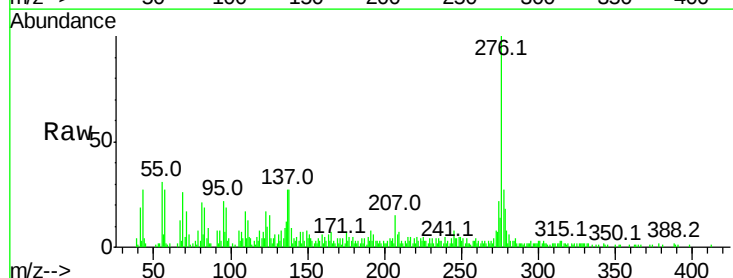
Tgt Ion:276 Resp: 51866

Ion Ratio Lower Upper

276 100

138 23.6 25.0 37.6#

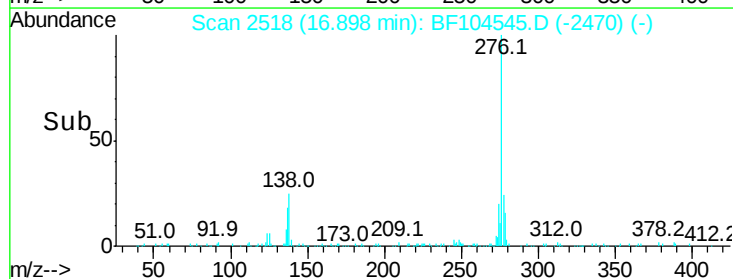
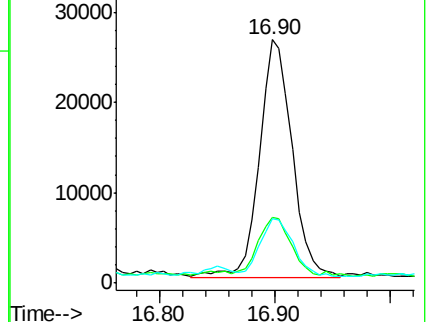
277 24.9 20.1 30.1

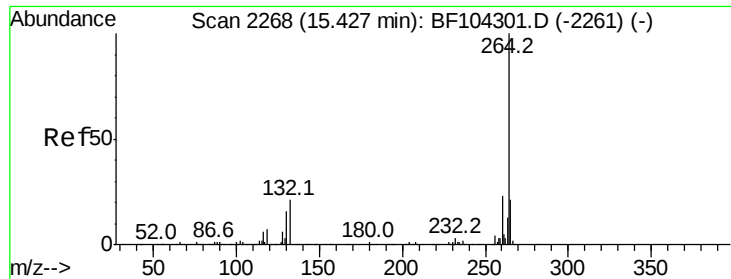


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



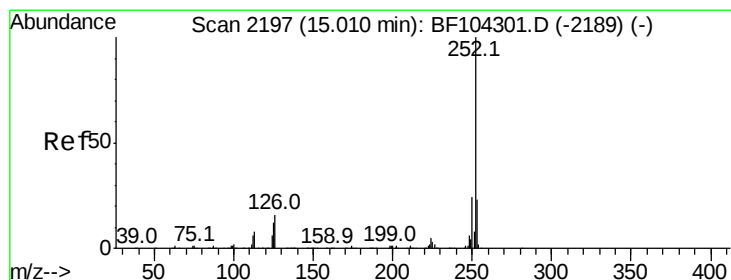
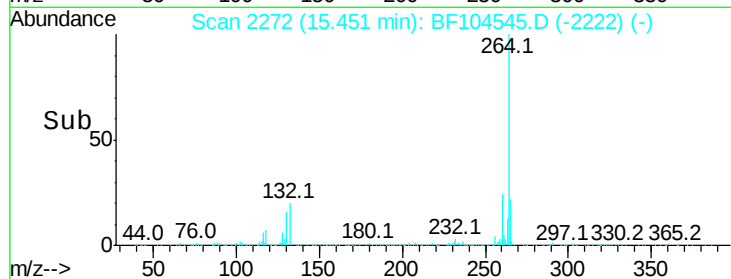
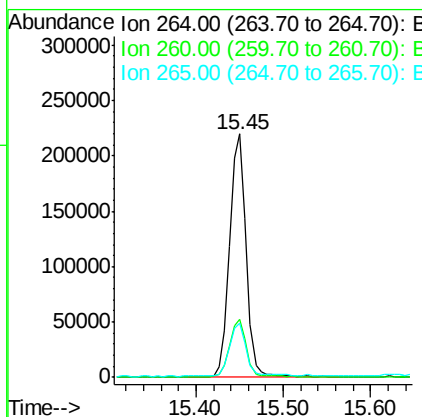
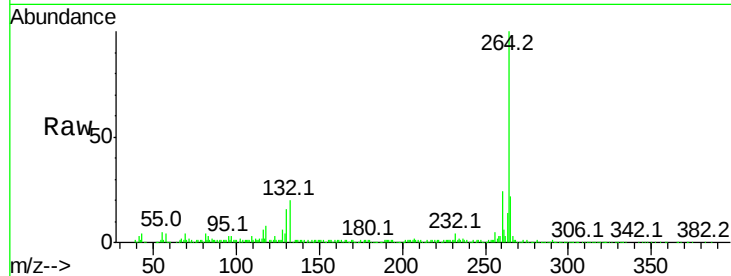


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF104545.D
Acq: 16 Apr 2018 20:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 283739

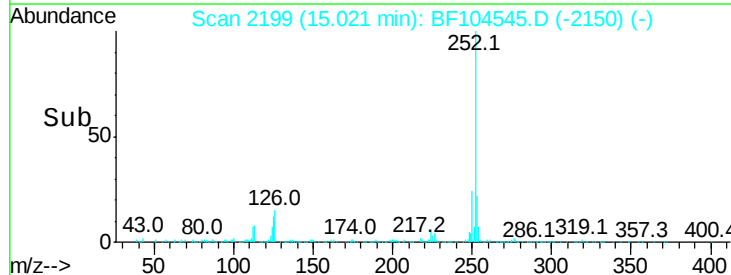
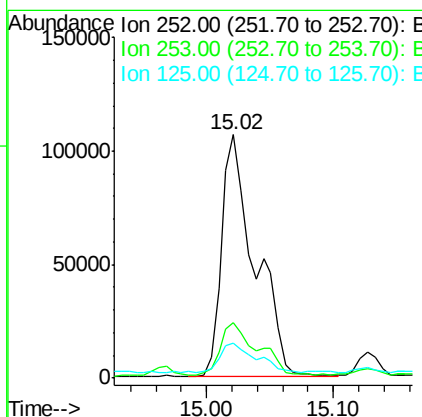
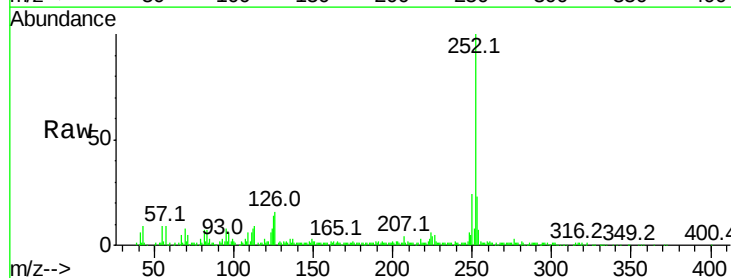
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.3	17.5	26.3

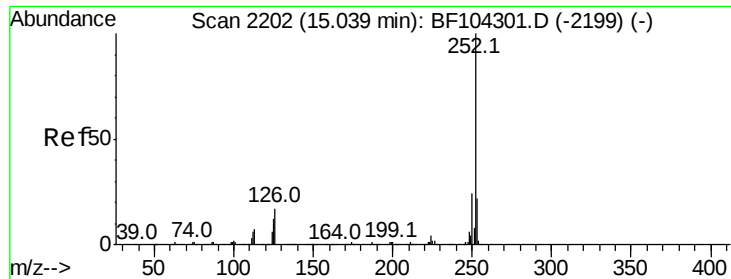


#87
Benzo(b)fluoranthene
Concen: 11.017 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF104545.D
Acq: 16 Apr 2018 20:54

Tgt Ion:252 Resp: 197422

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	14.4	9.0	13.6

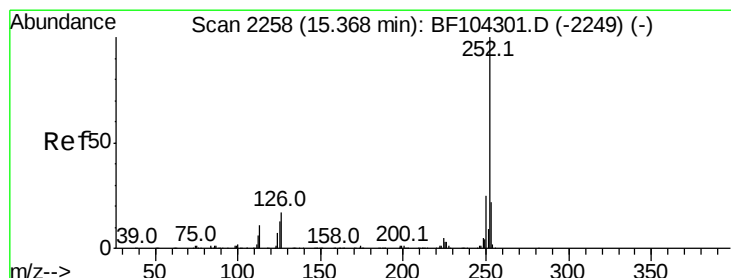
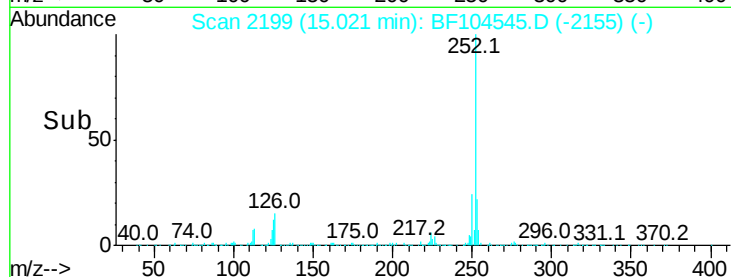
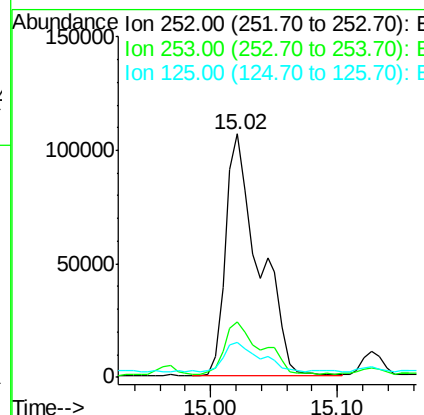
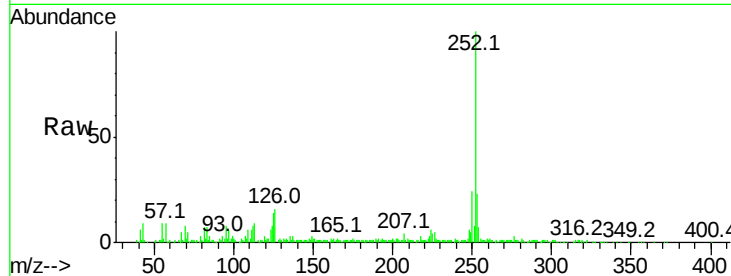




#88
Benzo(k)fluoranthene
Concen: 11.669 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF104545.D
Acq: 16 Apr 2018 20:54

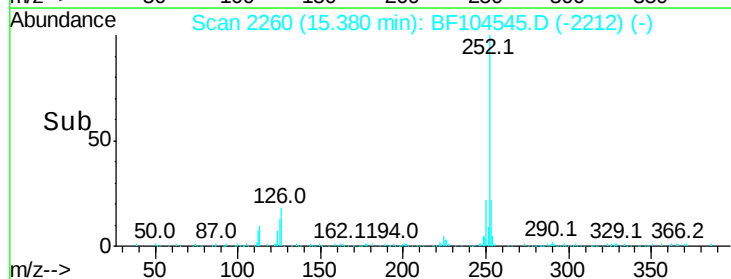
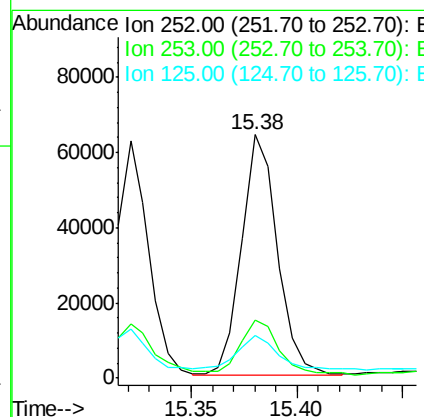
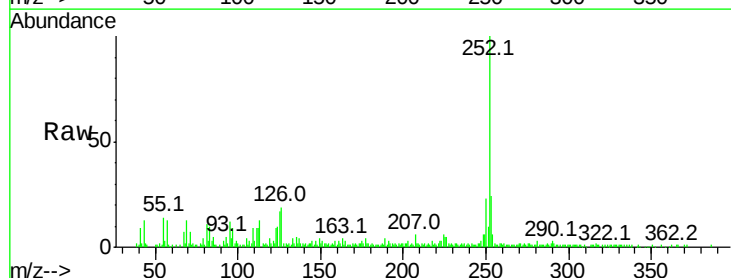
Instrument :
BNA_F
ClientSampleId :

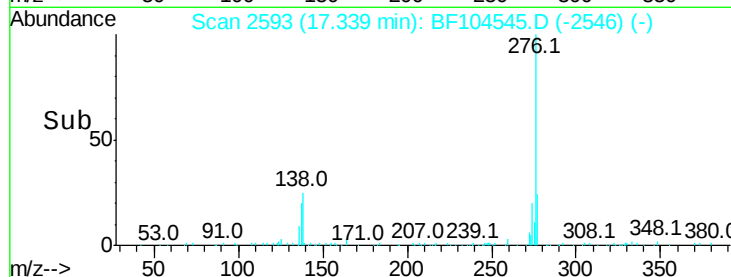
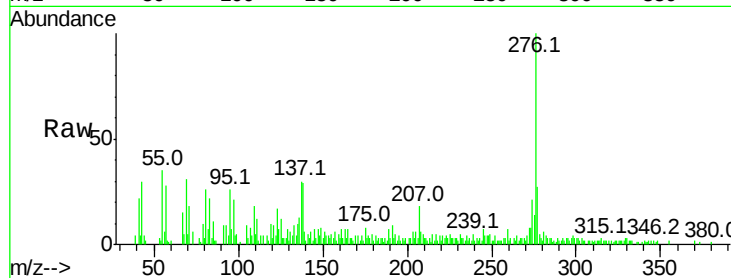
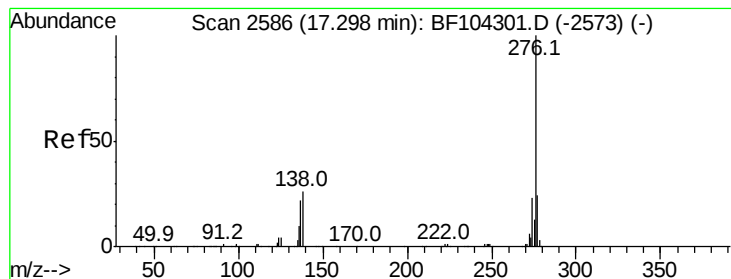
Tot Ion:252 Resp: 197422
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 14.4 10.2 15.2



#89
Benzo(a)pyrene
Concen: 4.715 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF104545.D
Acq: 16 Apr 2018 20:54

Tgt Ion:252 Resp: 75598
Ion Ratio Lower Upper
252 100
253 23.8 17.1 25.7
125 17.5 9.8 14.6#





#91

Benzo(a,h,i)perylene

Concen: 3.946 ng

RT: 17.34 min Scan# 2593

Delta R.T. -0.02 min

Lab File: BF104545.D

Acq: 16 Apr 2018 20:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 50340

Ion Ratio Lower Upper

276 100

277 27.2 17.9 26.9#

138 28.6 21.8 32.8

