

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
 Data File : BF104455.D
 Acq On : 12 Apr 2018 17:09
 Operator : JU/SJ
 Sample : J2162-03 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 13 00:14:56 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 12 17:07:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	139744	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	568511	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	244321	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	379063	20.00	ng	0.00
75) Chrysene-d12	13.98	240	285056	20.00	ng	-0.01
86) Perylene-d12	15.45	264	233238	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	457665	50.08	ng	0.00
7) Phenol-d6	6.43	99	552682	49.22	ng	-0.01
23) Nitrobenzene-d5	7.37	82	331882	38.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	113267	44.69	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	551759	35.68	ng	0.00
78) Terphenyl-d14	12.93	244	405852	32.46	ng	0.00

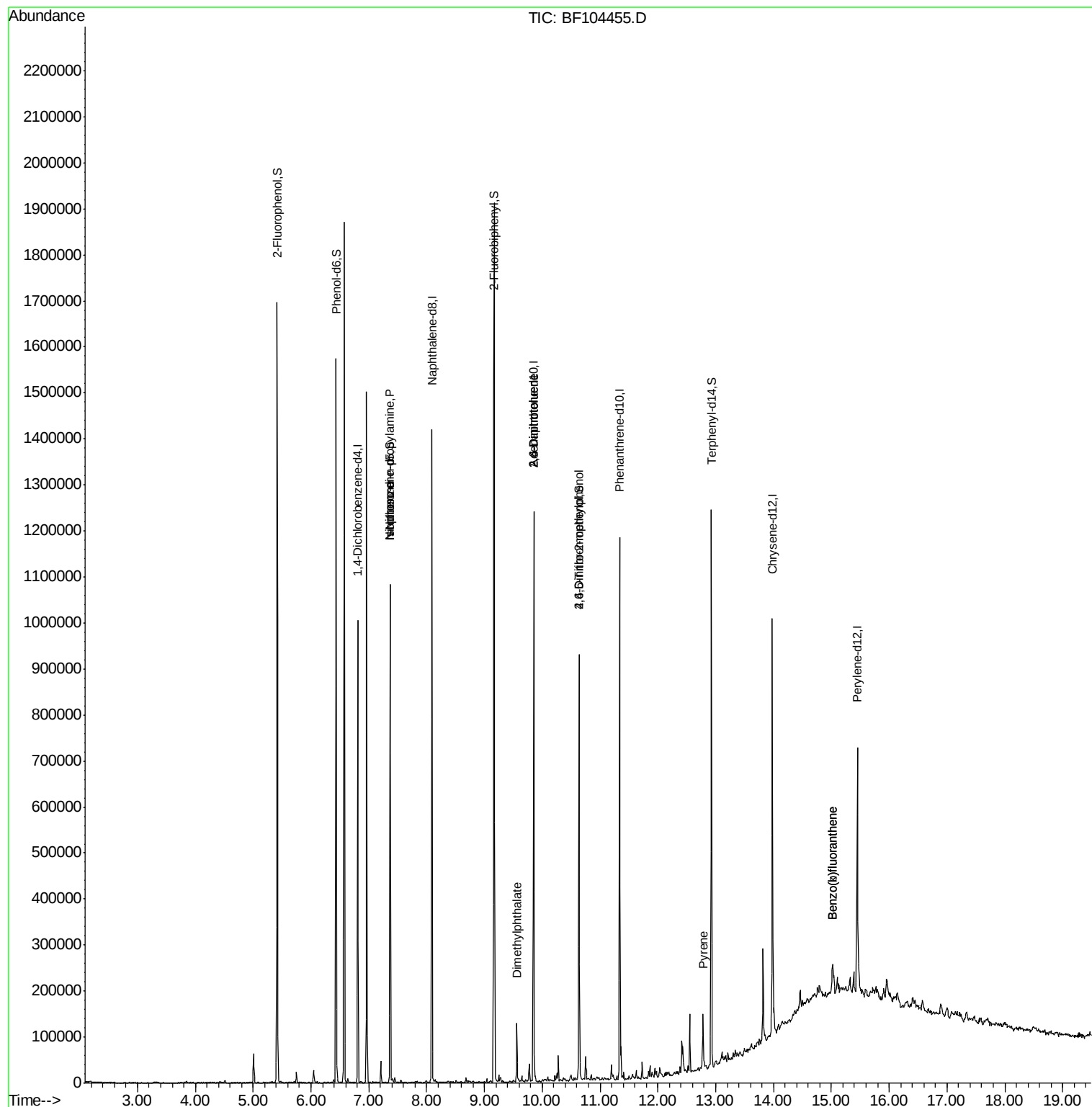
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.44	77	774	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	42135	5.742	ng	# 75
25) Isophorone	7.37	82	331880	18.026	ng	# 64
49) Dimethylphthalate	9.56	163	47971	2.490	ng	# 99
50) 2,6-Dinitrotoluene	9.85	165	31432	8.817	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	31432	6.721	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.63	198	112	7.398	ng	# 1
76) Benzydine	12.68	184	279	Below Cal	#	66
77) Pyrene	12.78	202	43365	2.052	ng	# 98
87) Benzo(b)fluoranthene	15.02	252	38266	2.598	ng	# 82
88) Benzo(k)fluoranthene	15.02	252	38266	2.752	ng	# 85

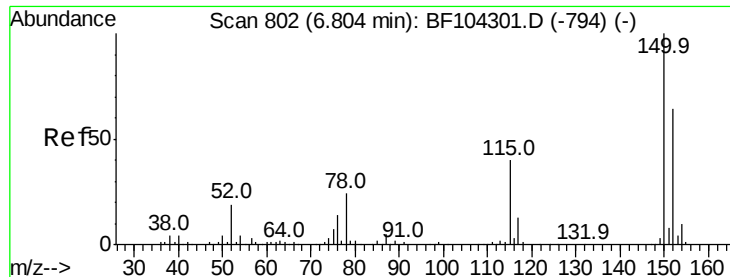
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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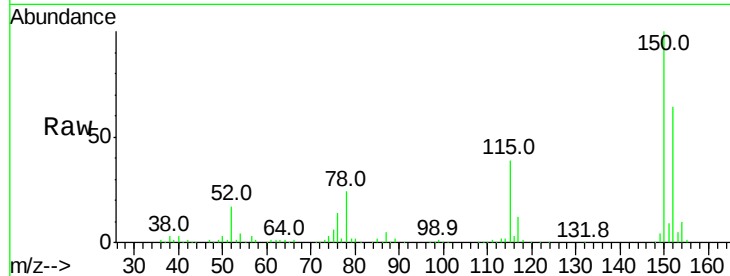


#1

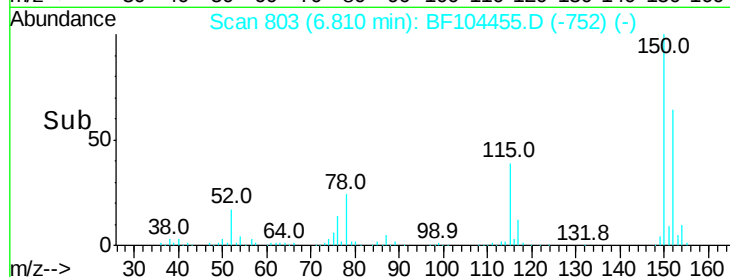
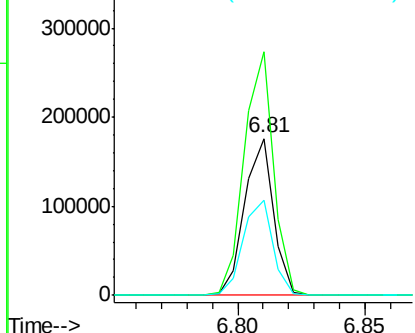
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104455.D
Acq: 12 Apr 2018 17:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 139744
Ion Ratio Lower Upper
152 100
150 155.5 124.6 186.8
115 61.0 50.1 75.1



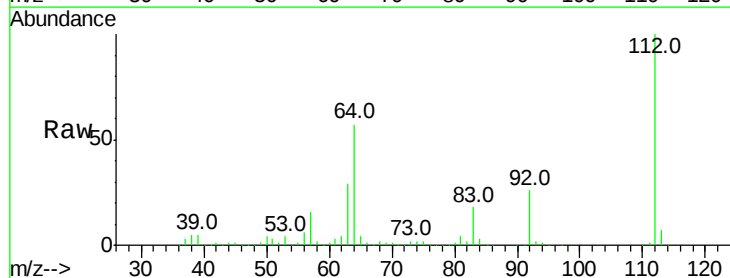
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



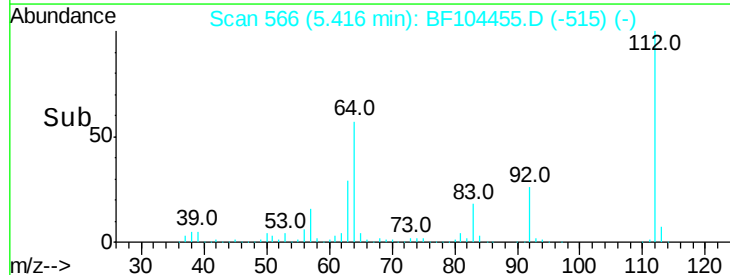
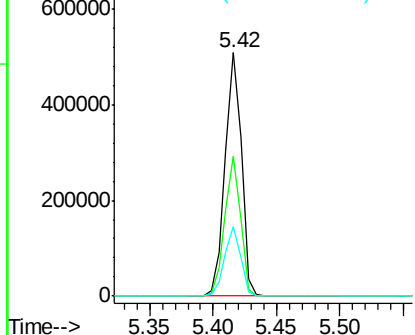
#5

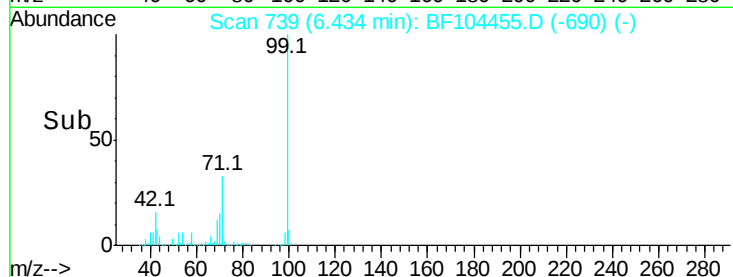
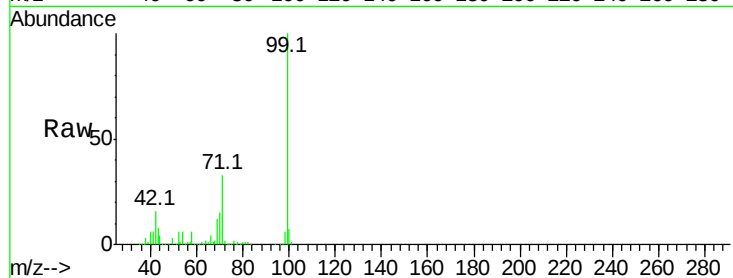
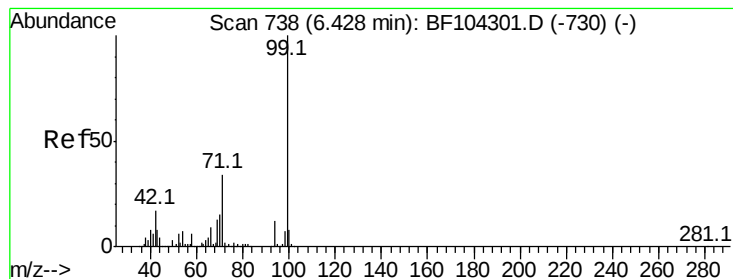
2-Fluorophenol
Concen: 50.077 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF104455.D
Acq: 12 Apr 2018 17:09

Tgt Ion:112 Resp: 457665
Ion Ratio Lower Upper
112 100
64 57.4 47.9 71.9
63 28.6 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: 49.219 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104455.D

Acq: 12 Apr 2018 17:09

Instrument :

BNA_F

ClientSampleId :

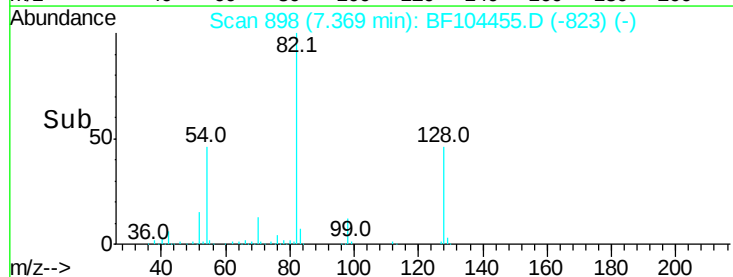
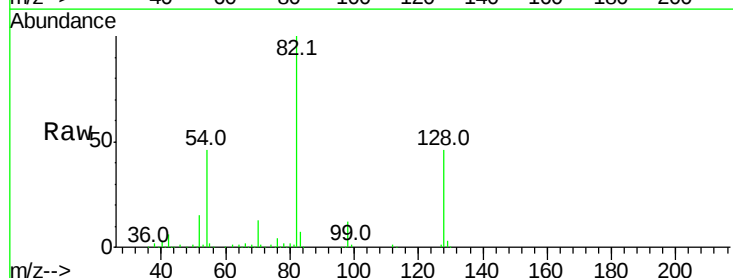
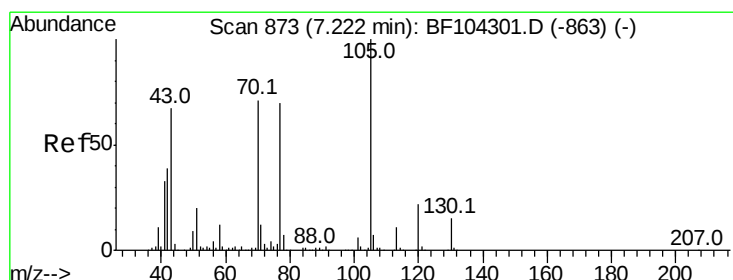
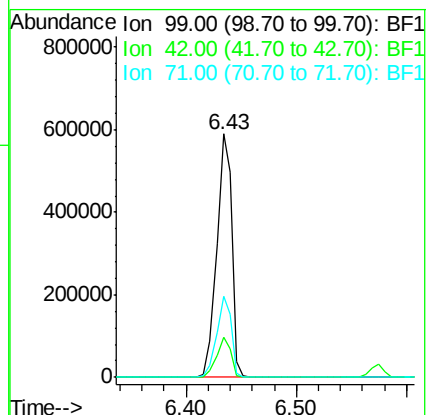
Tot Ion: 99 Resp: 552682

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

71 33.4 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.742 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF104455.D

Acq: 12 Apr 2018 17:09

Tgt Ion: 70 Resp: 42135

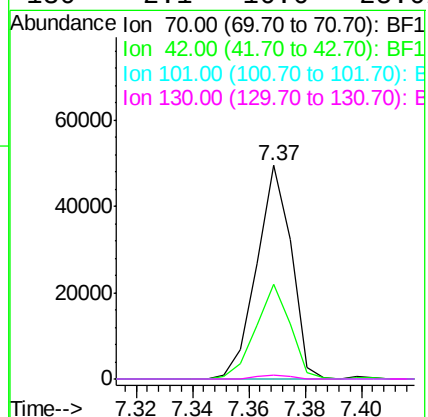
Ion Ratio Lower Upper

70 100

42 44.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

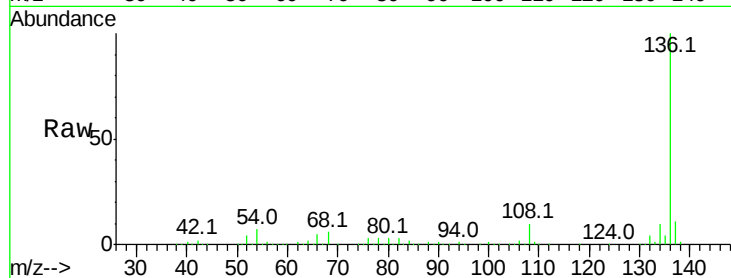




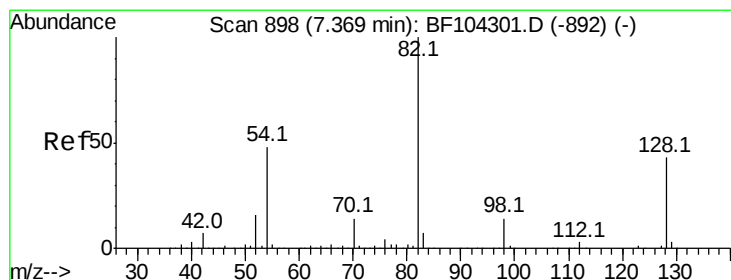
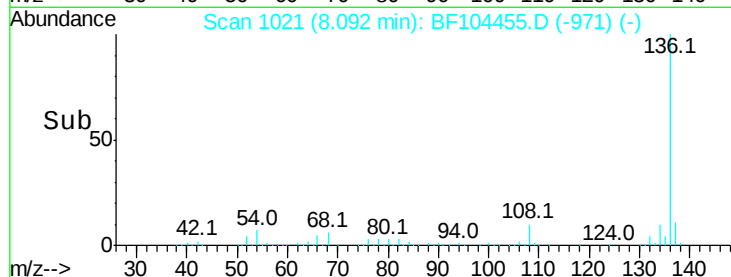
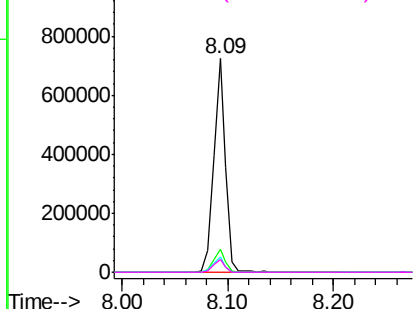
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF104455.D
Acq: 12 Apr 2018 17:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	568511
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.0	6.6	9.8
68	5.8	5.0	7.4

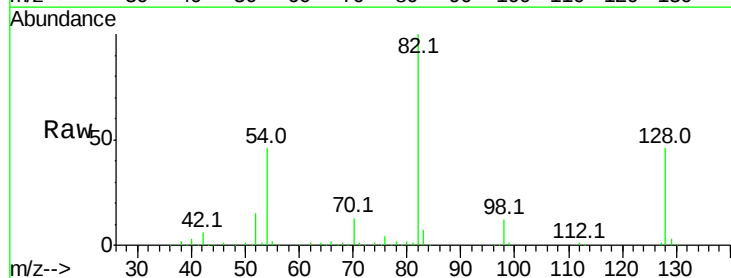


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

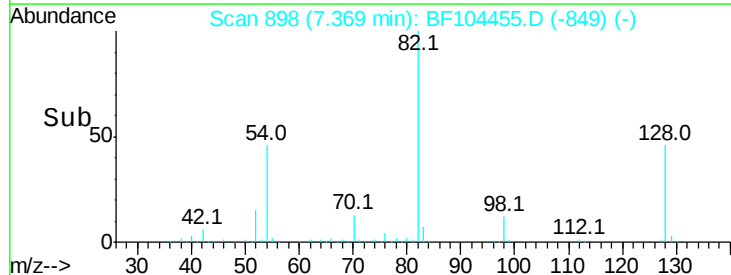
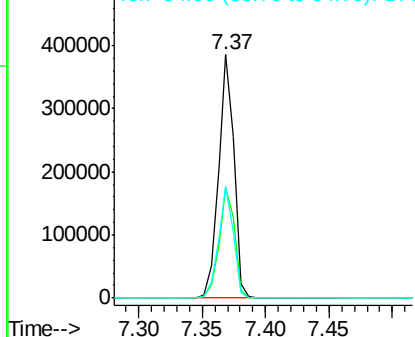


#23
Nitrobenzene-d5
Concen: 38.119 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104455.D
Acq: 12 Apr 2018 17:09

Tgt Ion:	82	Resp:	331882
Ion	Ratio	Lower	Upper
82	100		
128	45.5	36.1	54.1
54	45.9	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: 18.026 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104455.D

Acq: 12 Apr 2018 17:09

Instrument :

BNA_F

ClientSampleId :

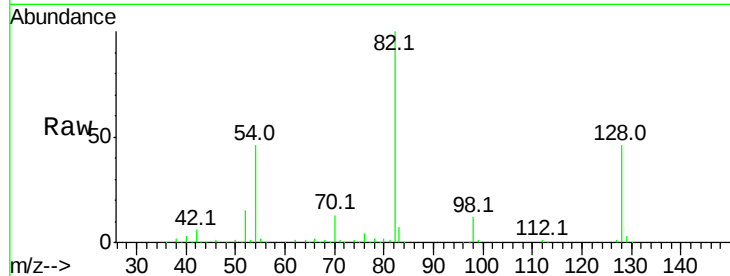
Tot Ion: 82 Resp: 331880

Ion Ratio Lower Upper

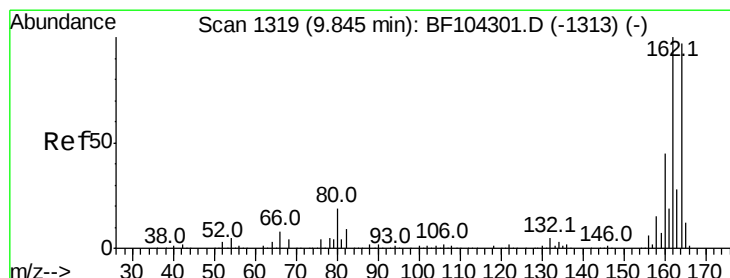
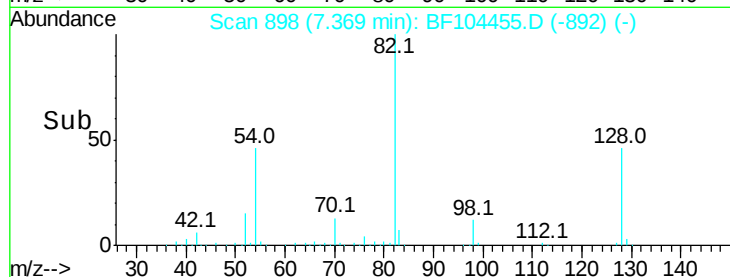
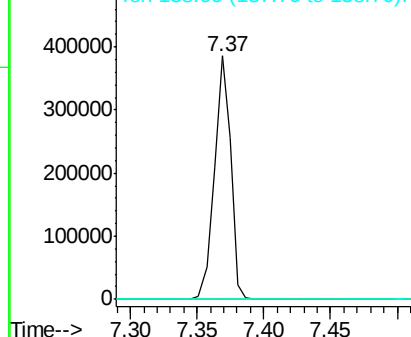
82 100

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: BF104455.D

Acq: 12 Apr 2018 17:09

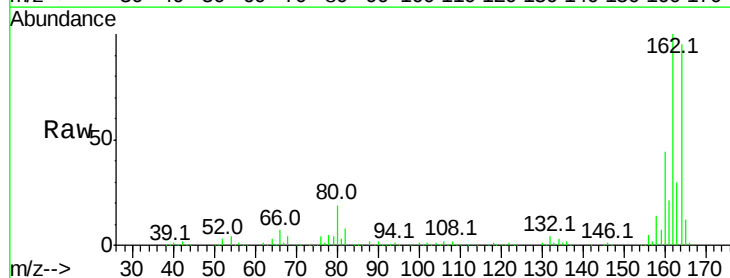
Tgt Ion:164 Resp: 244321

Ion Ratio Lower Upper

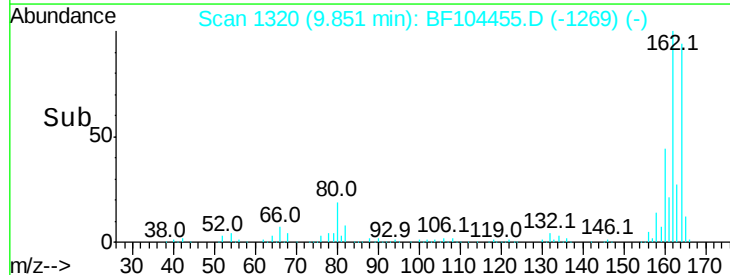
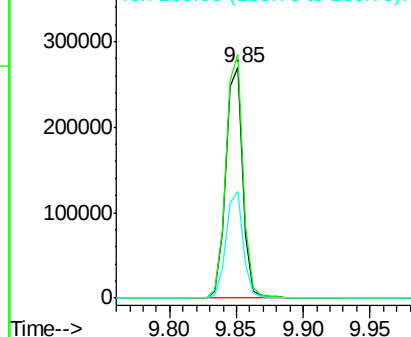
164 100

162 105.5 86.1 129.1

160 46.2 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

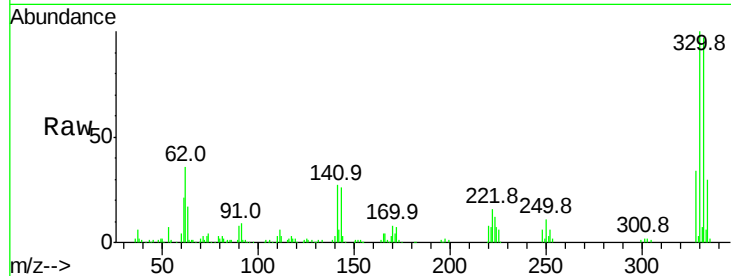




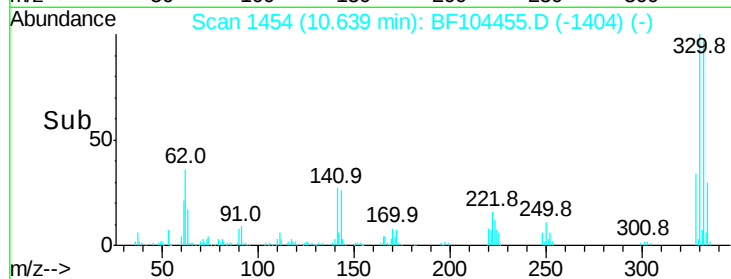
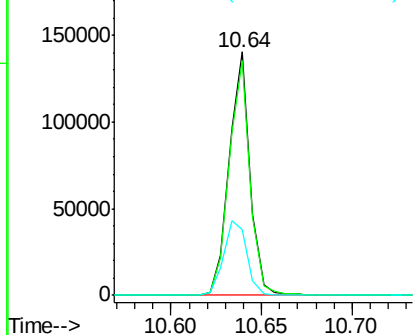
#41
 2,4,6-Tribromophenol
 Concen: 44.692 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104455.D
 Acq: 12 Apr 2018 17:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	34.3	29.9	44.9

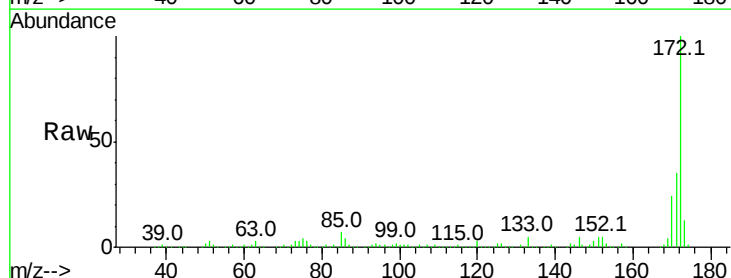


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

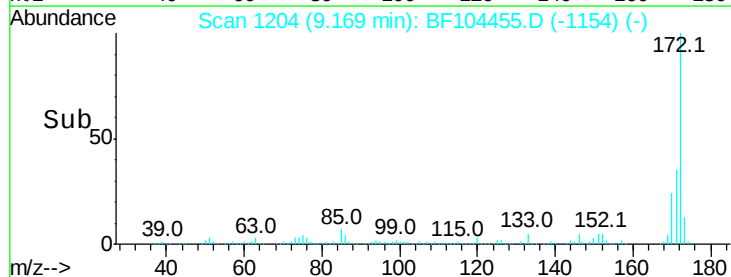
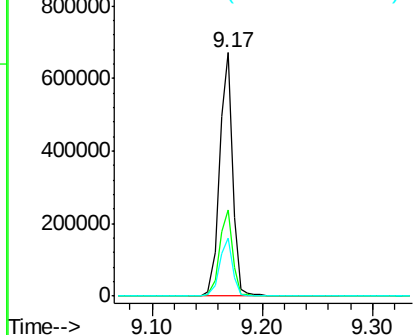


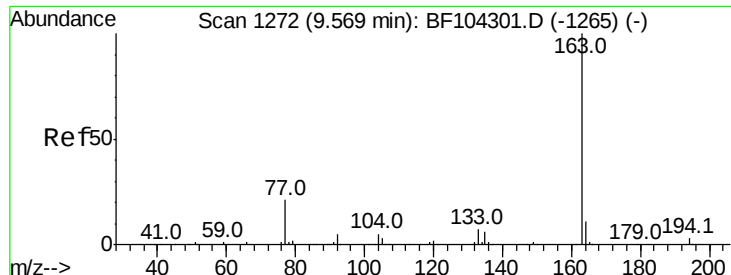
#44
 2-Fluorobiphenyl
 Concen: 35.676 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104455.D
 Acq: 12 Apr 2018 17:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.7	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: 2.490 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF104455.D

Acq: 12 Apr 2018 17:09

Instrument :

BNA_F

ClientSampleId :

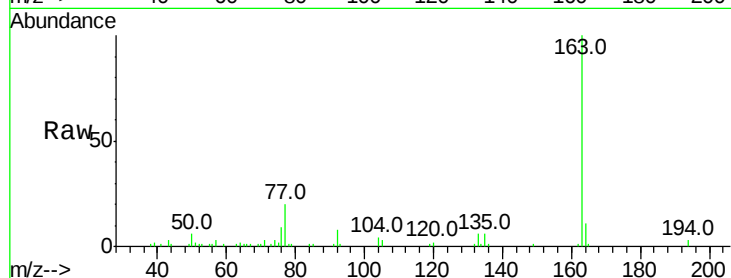
Tot Ion:163 Resp: 47971

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

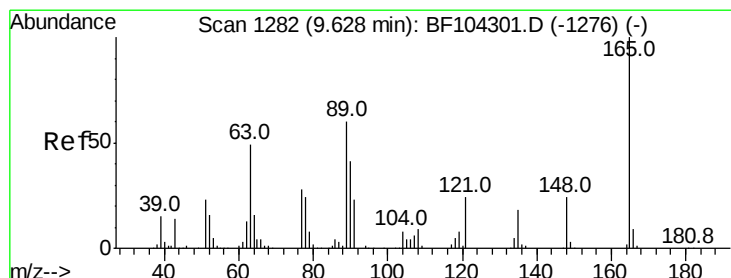
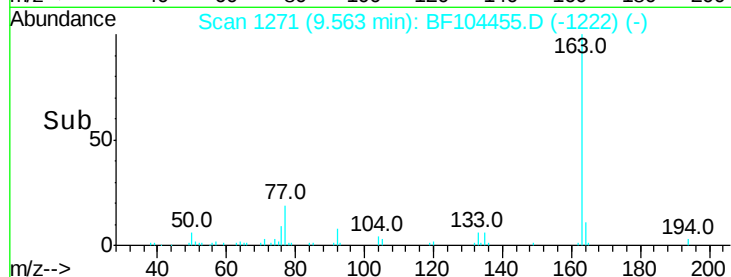
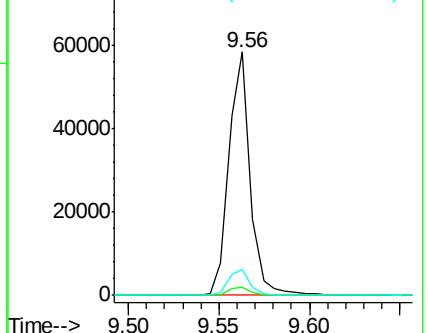
164 10.7 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.817 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF104455.D

Acq: 12 Apr 2018 17:09

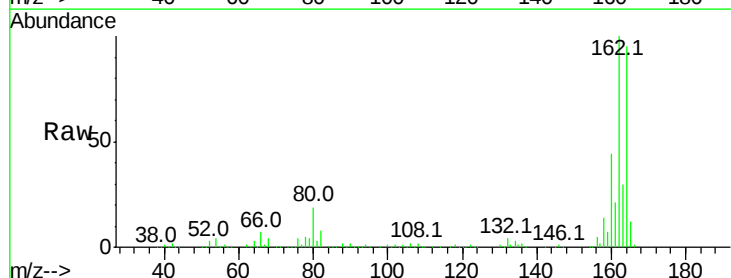
Tgt Ion:165 Resp: 31432

Ion Ratio Lower Upper

165 100

63 1.5 44.7 67.1#

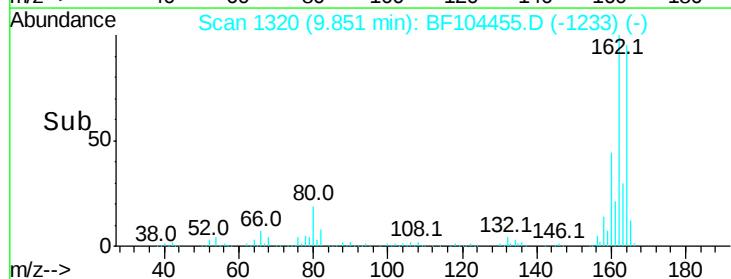
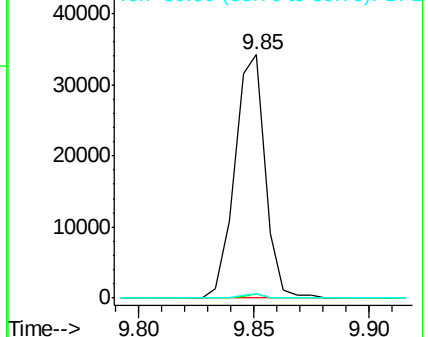
89 1.7 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

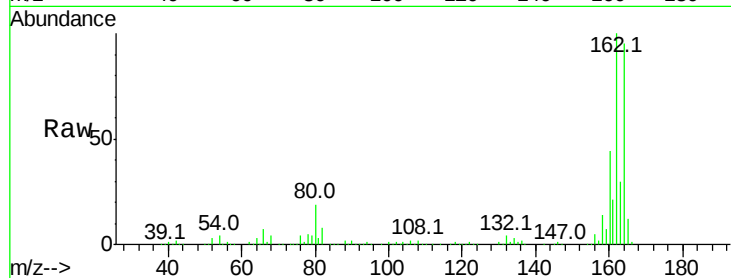




#56
2,4-Dinitrotoluene
Concen: 6.721 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.19 min
Lab File: BF104455.D
Acq: 12 Apr 2018 17:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#



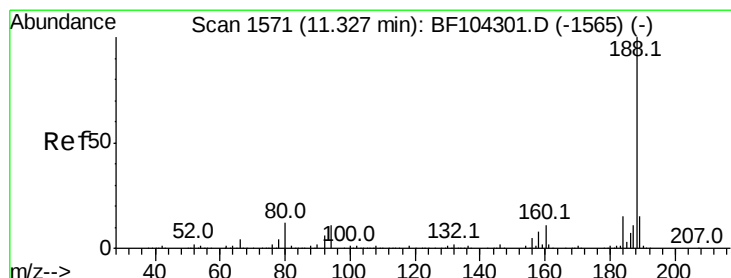
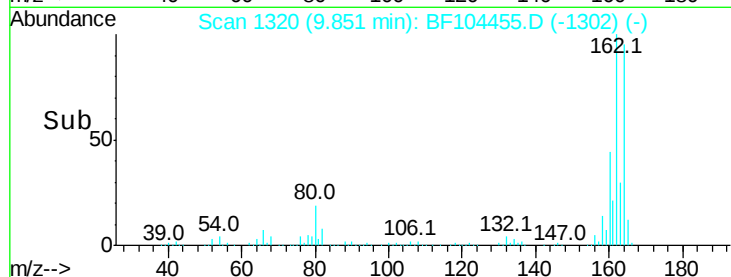
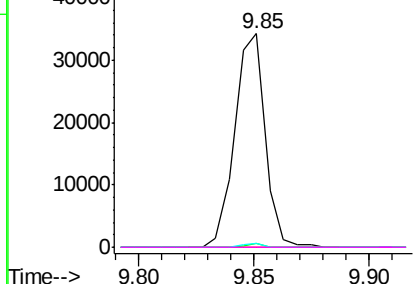
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF104455.D
Acq: 12 Apr 2018 17:09

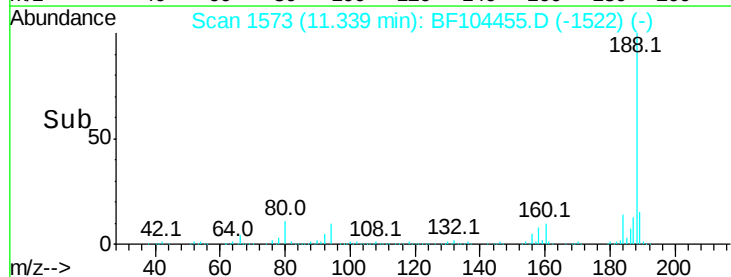
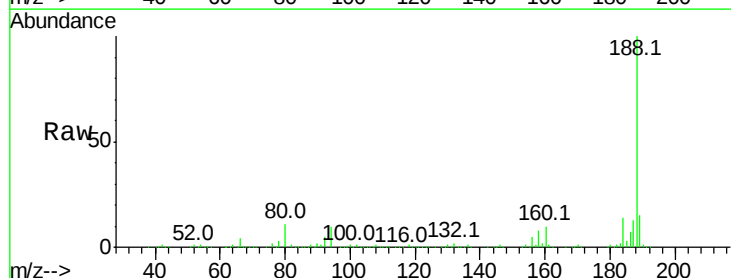
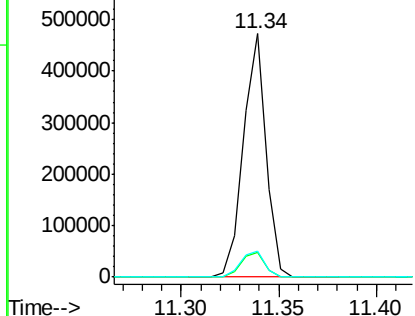
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	10.9	9.2	13.8

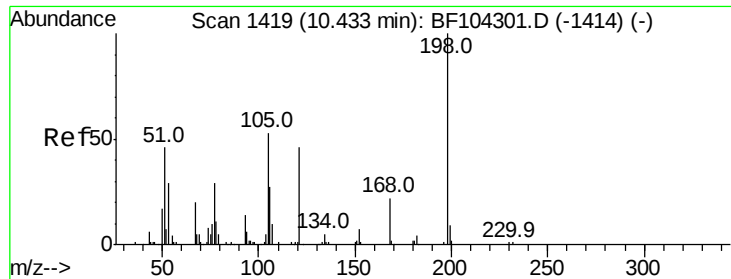
Abundance

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: 7.398 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.18 min

Lab File: BF104455.D

Acq: 12 Apr 2018 17:09

Instrument :

BNA_F

ClientSampleId :

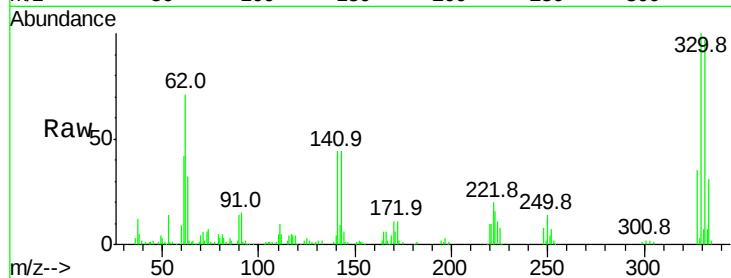
Tot Ion:198 Resp: 112

Ion Ratio Lower Upper

198 100

51 215.1 37.7 77.7#

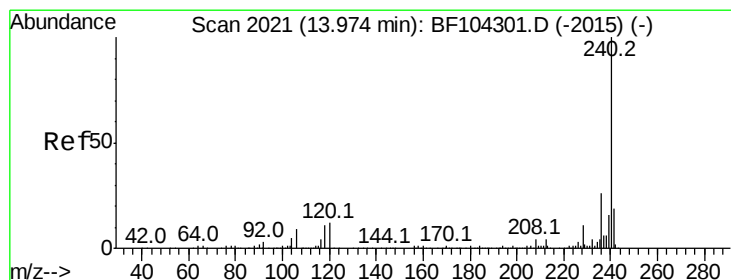
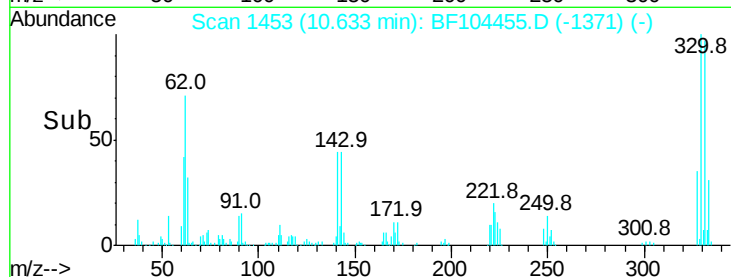
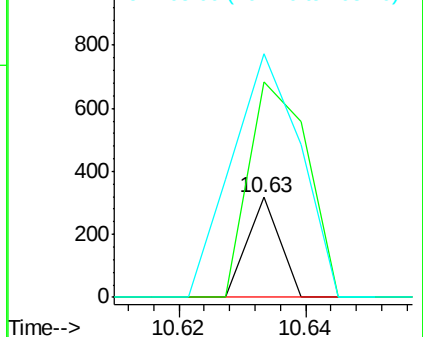
105 243.8 36.3 76.3#



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104455.D

Acq: 12 Apr 2018 17:09

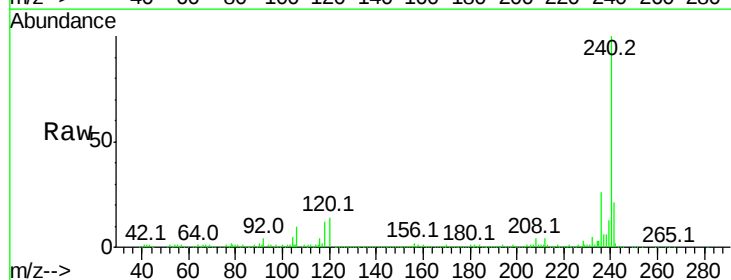
Tgt Ion:240 Resp: 285056

Ion Ratio Lower Upper

240 100

120 14.1 9.5 14.3

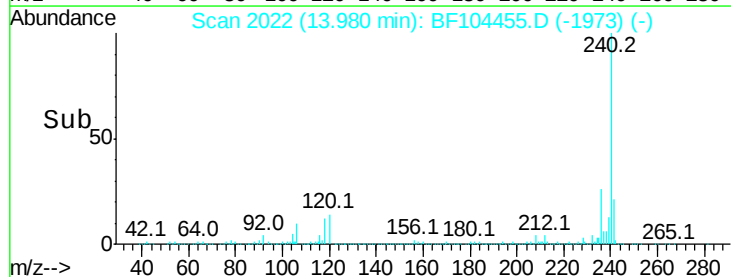
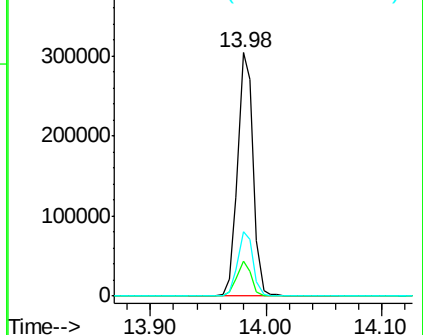
236 26.2 20.7 31.1

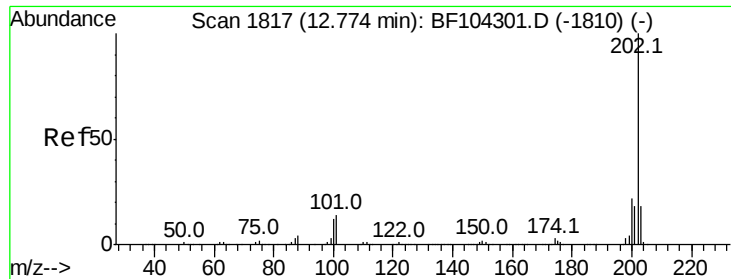


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.052 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF104455.D

Acq: 12 Apr 2018 17:09

Instrument :

BNA_F

ClientSampleId :

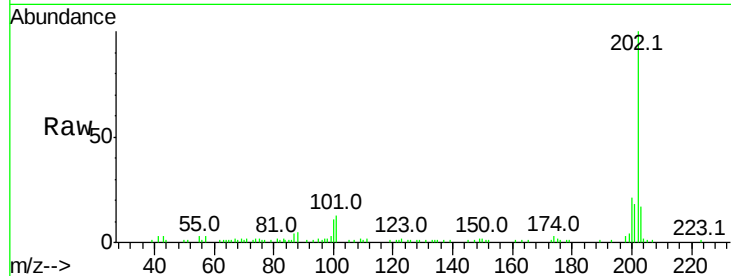
Tot Ion:202 Resp: 43365

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

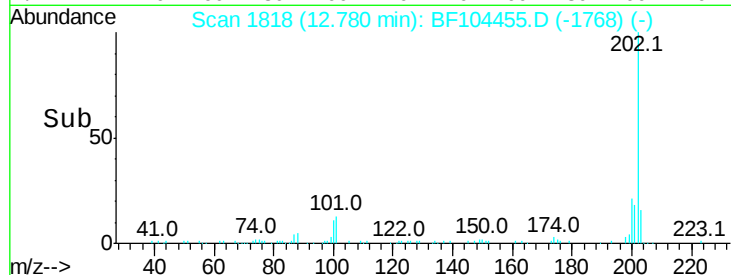
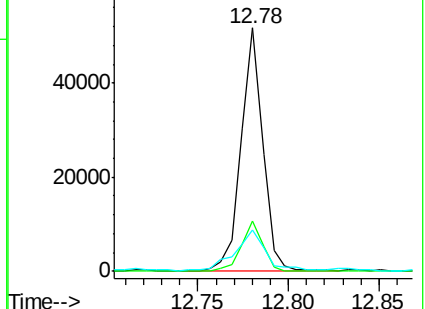
203 17.2 14.3 21.5



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: 32.459 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF104455.D

Acq: 12 Apr 2018 17:09

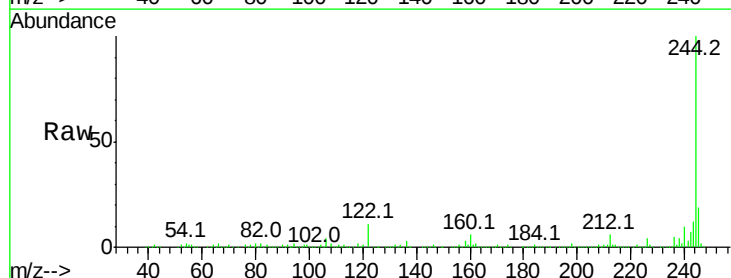
Tgt Ion:244 Resp: 405852

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

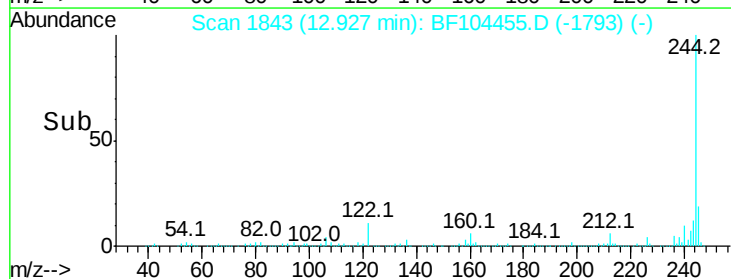
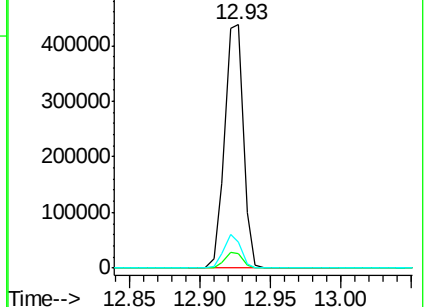
122 10.9 11.0 16.4#

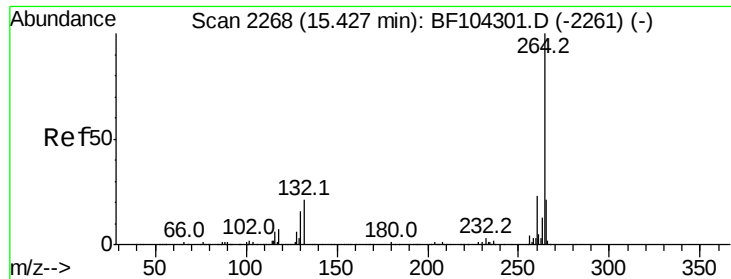


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

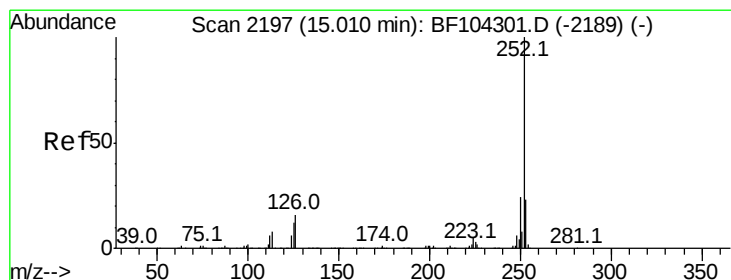
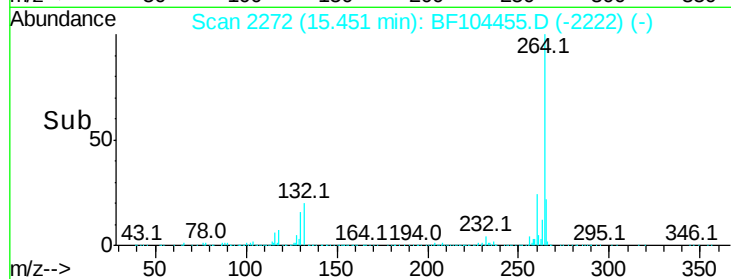
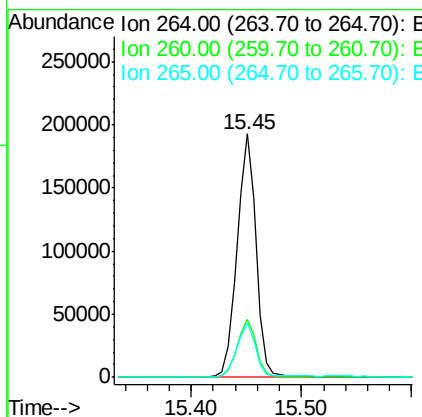
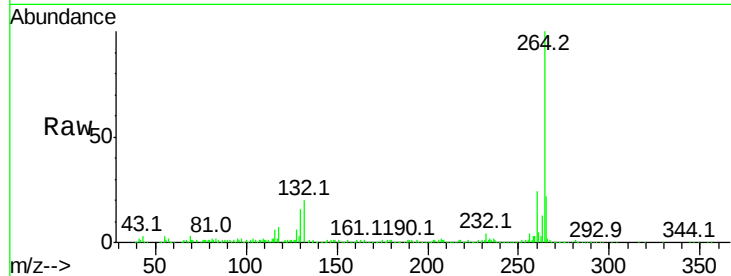




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF104455.D
Acq: 12 Apr 2018 17:09

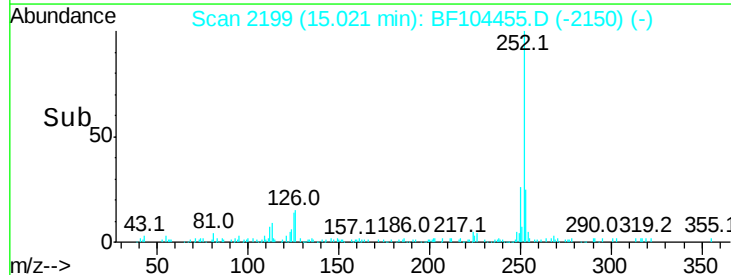
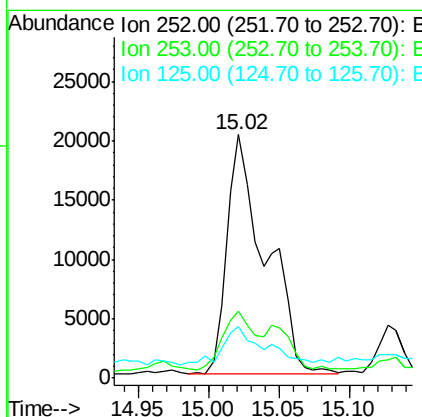
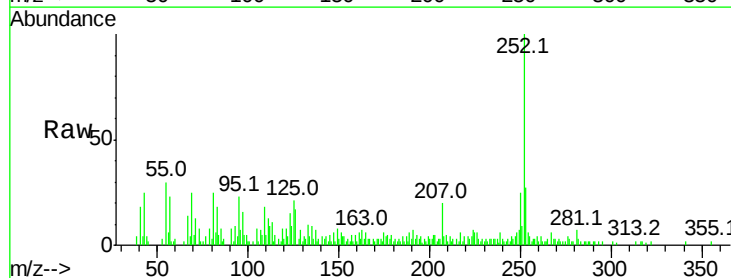
Instrument :
BNA_F
ClientSampled :

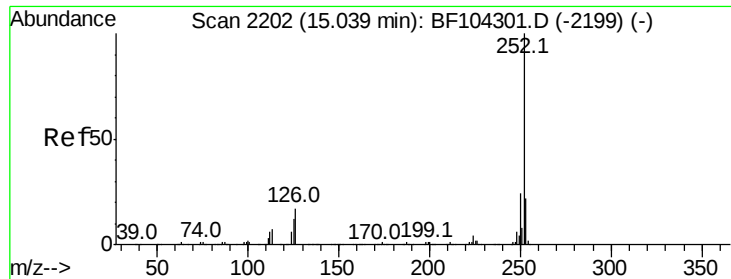
Tot Ion:264 Resp: 233238
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 22.3 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 2.598 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF104455.D
Acq: 12 Apr 2018 17:09

Tgt Ion:252 Resp: 38266
Ion Ratio Lower Upper
252 100
253 27.4 17.0 25.6#
125 21.4 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 2.752 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.05 min

Lab File: BF104455.D

Acq: 12 Apr 2018 17:09

Instrument :

BNA_F

ClientSampleId :

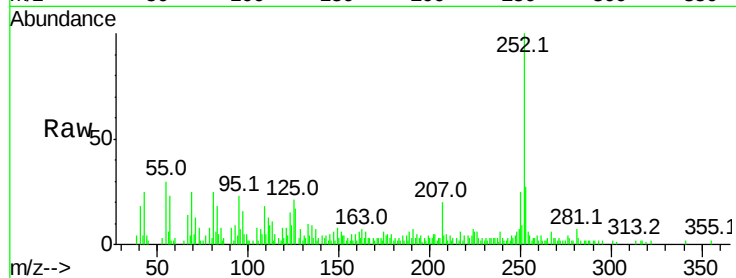
Tot Ion:252 Resp: 38266

Ion Ratio Lower Upper

252 100

253 27.4 17.9 26.9#

125 21.4 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

