

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
 Data File : BF104381.D
 Acq On : 9 Apr 2018 19:16
 Operator : JU/SJ
 Sample : J2157-07 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 01:18:11 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 16:44:53 2018
 Response via : Initial Calibration

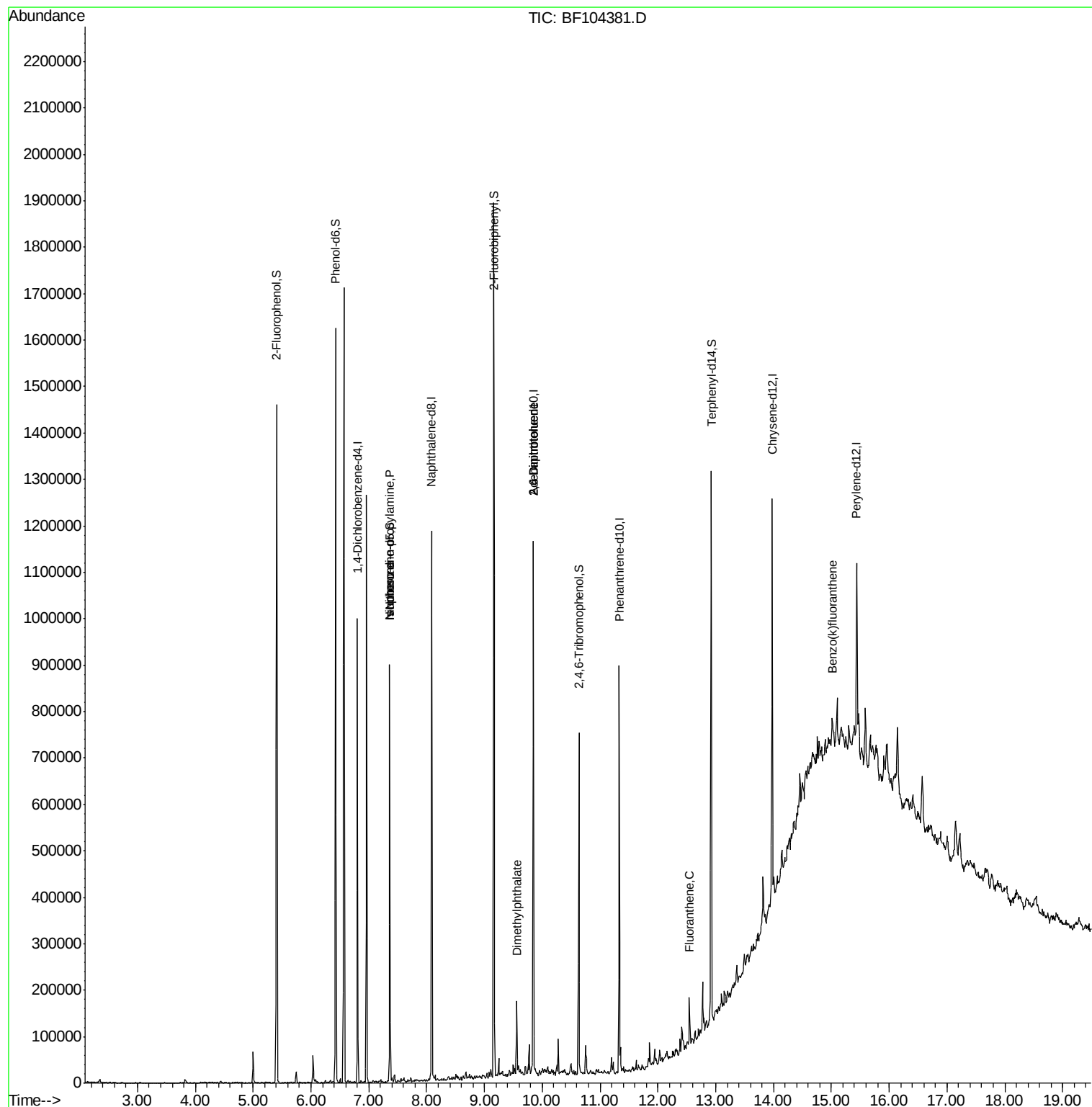
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	131166	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	504180	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	196311	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	295958	20.00	ng	0.00
75) Chrysene-d12	13.97	240	278975	20.00	ng	0.00
86) Perylene-d12	15.44	264	198572	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	422174	49.21	ng	0.00
7) Phenol-d6	6.43	99	506592	48.06	ng	0.00
23) Nitrobenzene-d5	7.36	82	290204	37.59	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	87953	43.19	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	508587	40.93	ng	0.00
78) Terphenyl-d14	12.92	244	378364	30.92	ng	0.00
Target Compounds						
9) Benzaldehyde	6.43	77	791	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.36	70	38416	5.578 ng	#	74
25) Isophorone	7.36	82	290200	17.774 ng	#	64
49) Dimethylphthalate	9.56	163	47425	3.063 ng		99
50) 2,6-Dinitrotoluene	9.85	165	25090	8.759 ng	#	25
56) 2,4-Dinitrotoluene	9.85	165	25090	6.677 ng	#	23
74) Fluoranthene	12.55	202	37914	2.202 ng		98
76) Benzydine	12.67	184	243	Below Cal	#	1
88) Benzo(k)fluoranthene	15.02	252	24134	2.038 ng	#	38

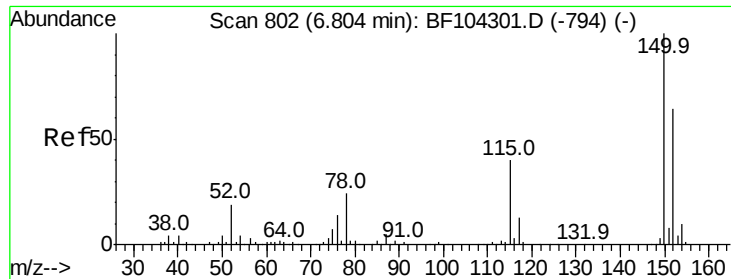
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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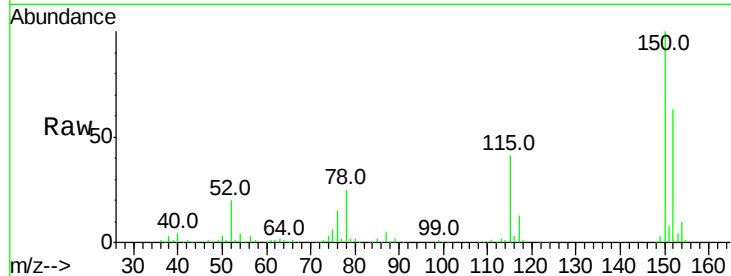


#1

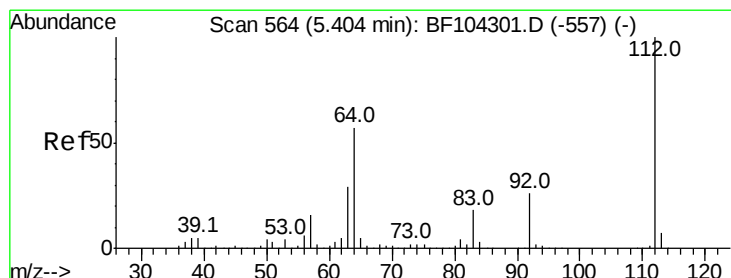
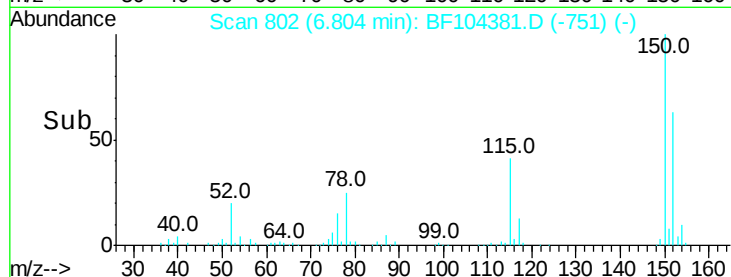
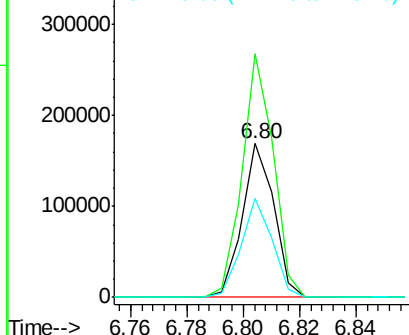
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104381.D
Acq: 9 Apr 2018 19:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 131166
Ion Ratio Lower Upper
152 100
150 158.7 124.6 186.8
115 64.6 50.1 75.1



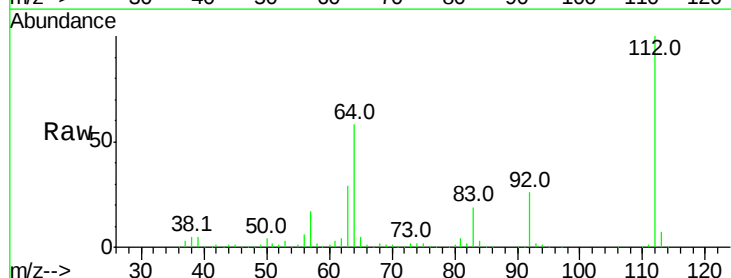
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



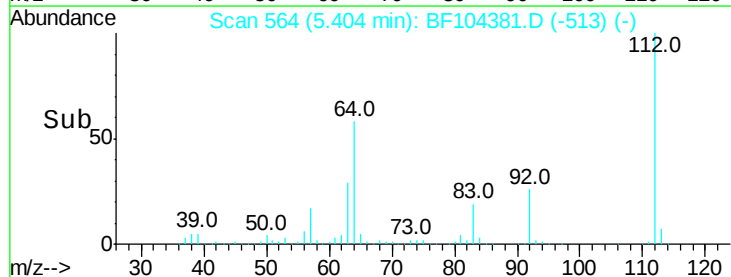
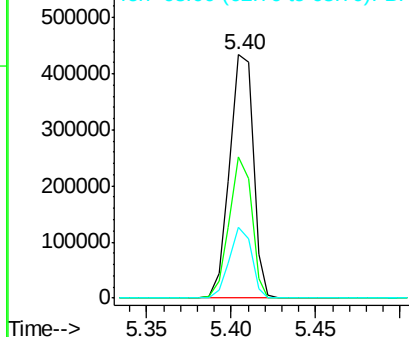
#5

2-Fluorophenol
Concen: 49.215 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.00 min
Lab File: BF104381.D
Acq: 9 Apr 2018 19:16

Tgt Ion:112 Resp: 422174
Ion Ratio Lower Upper
112 100
64 58.0 47.9 71.9
63 29.1 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: 48.064 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF104381.D

Acq: 9 Apr 2018 19:16

Instrument :

BNA_F

ClientSampleId :

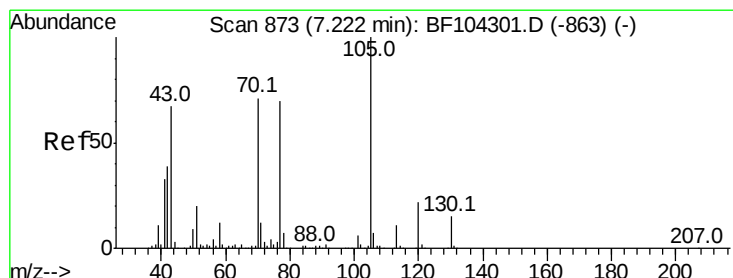
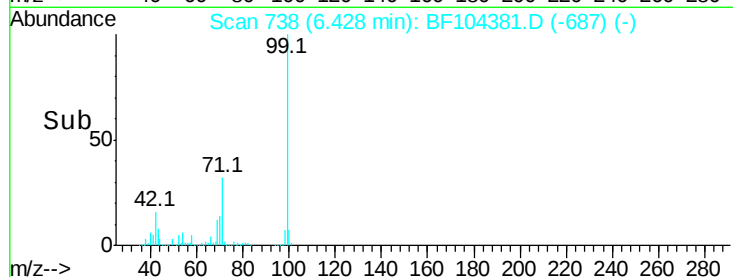
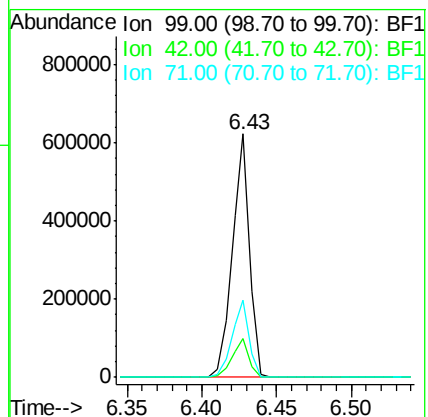
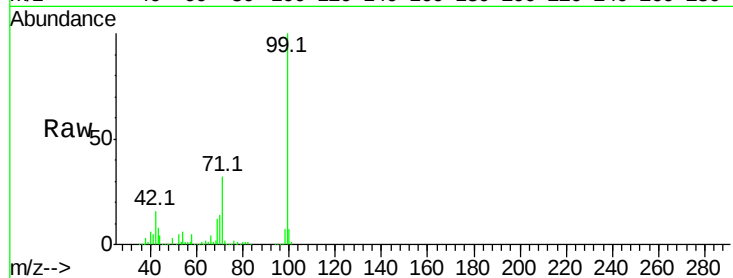
Tot Ion: 99 Resp: 506592

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

71 31.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.578 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.14 min

Lab File: BF104381.D

Acq: 9 Apr 2018 19:16

Tgt Ion: 70 Resp: 38416

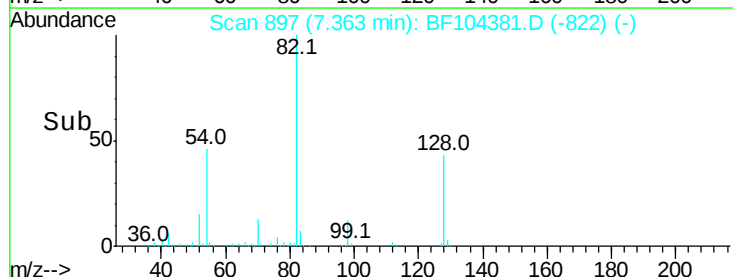
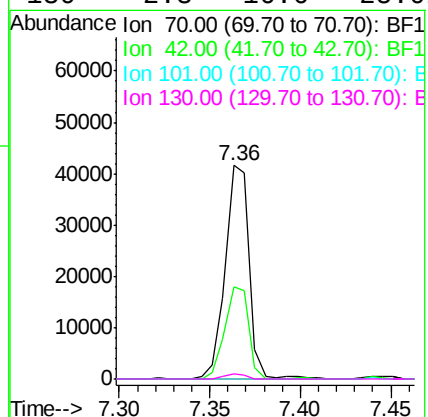
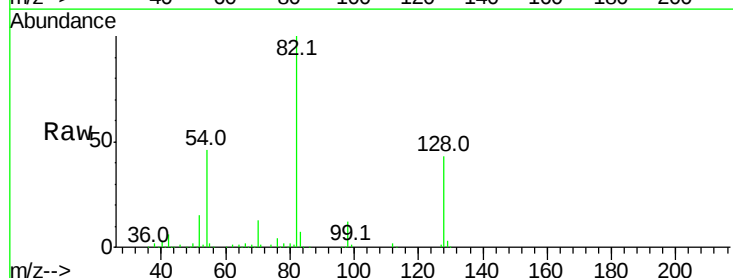
Ion Ratio Lower Upper

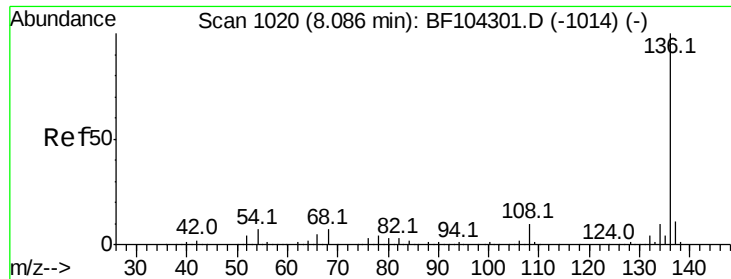
70 100

42 43.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

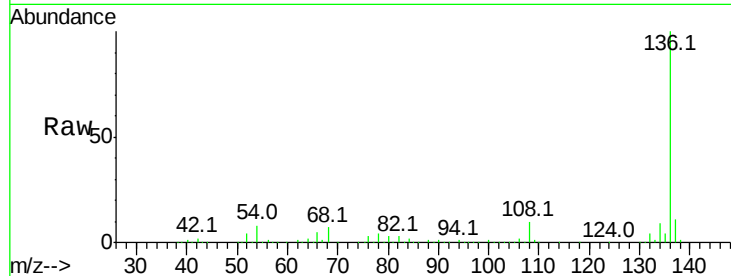




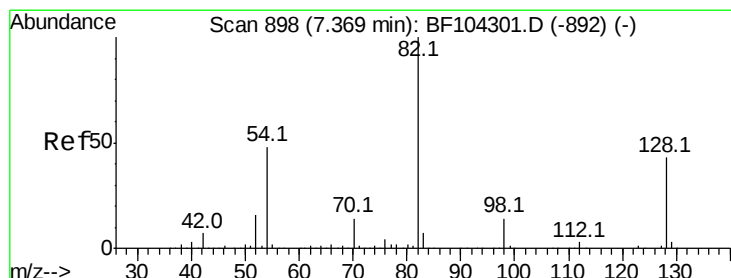
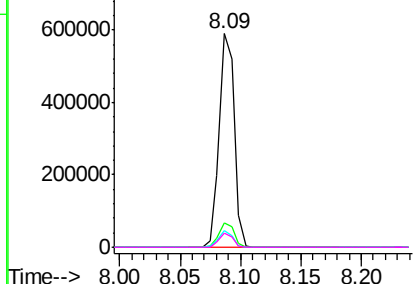
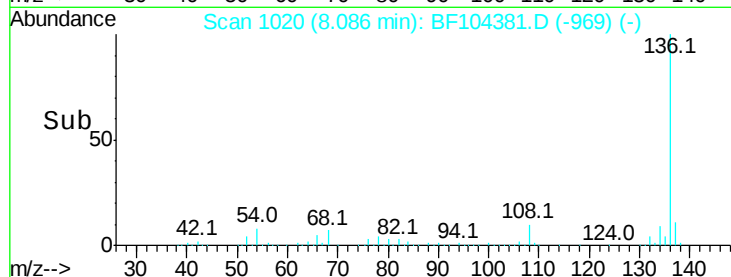
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF104381.D
Acq: 9 Apr 2018 19:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	504180
Ion	Ratio	Lower Upper
136	100	
137	11.3	8.9 13.3
54	7.6	6.6 9.8
68	6.8	5.0 7.4

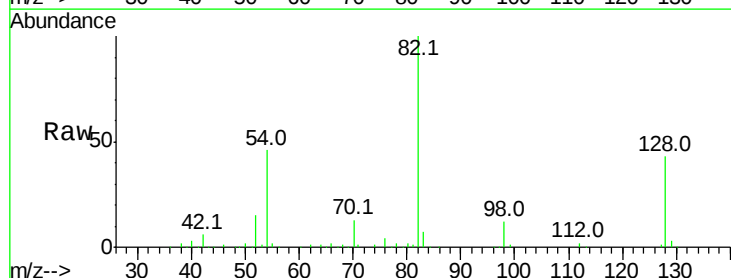


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

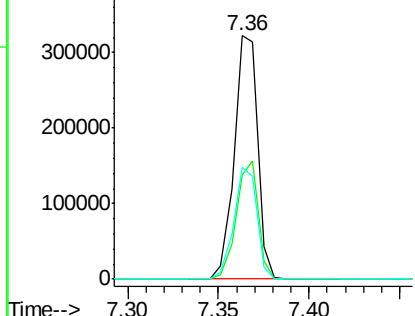
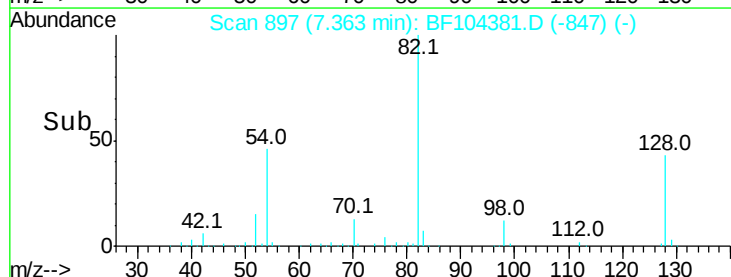


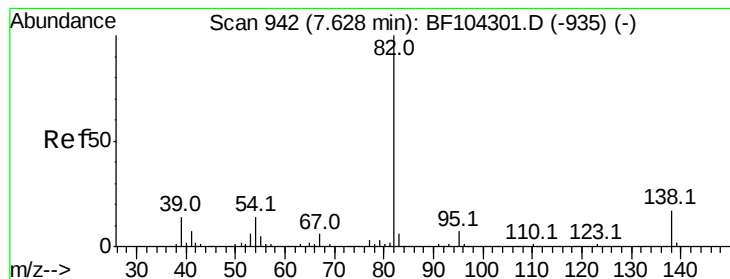
#23
Nitrobenzene-d5
Concen: 37.585 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104381.D
Acq: 9 Apr 2018 19:16

Tgt Ion: 82	Resp:	290204
Ion	Ratio	Lower Upper
82	100	
128	42.5	36.1 54.1
54	46.1	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: 17.774 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF104381.D

Acq: 9 Apr 2018 19:16

Instrument :

BNA_F

ClientSampleId :

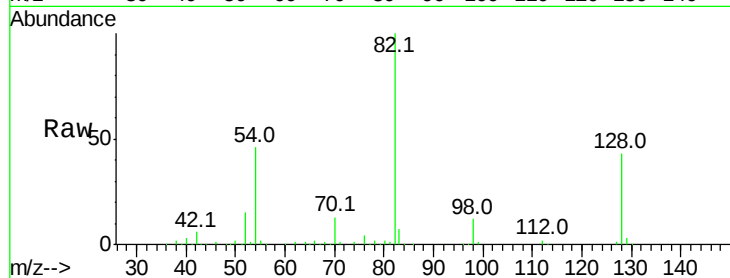
Tot Ion: 82 Resp: 290200

Ion Ratio Lower Upper

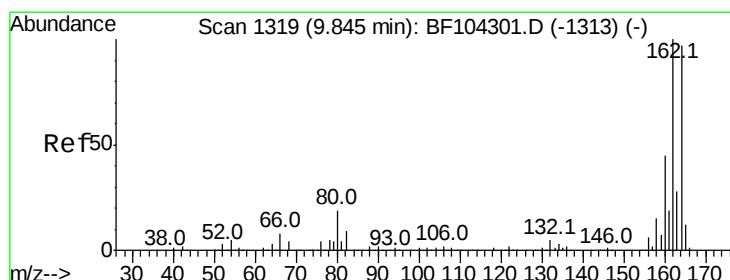
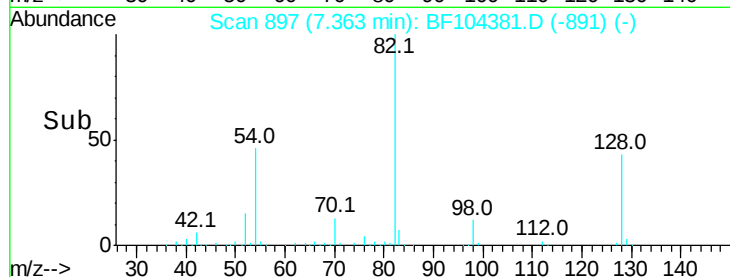
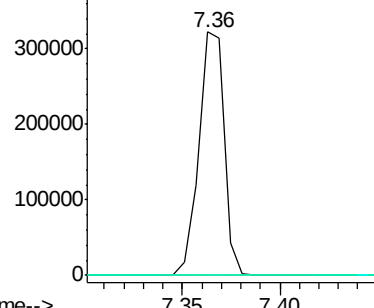
82 100

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. 0.00 min

Lab File: BF104381.D

Acq: 9 Apr 2018 19:16

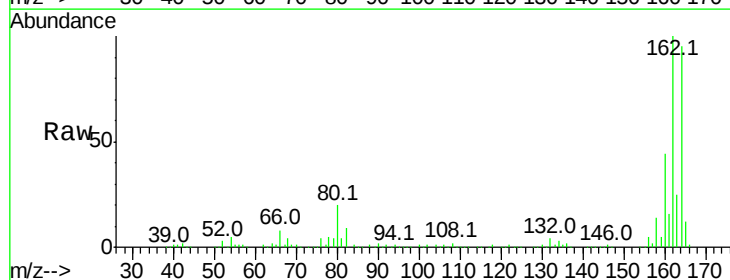
Tgt Ion:164 Resp: 196311

Ion Ratio Lower Upper

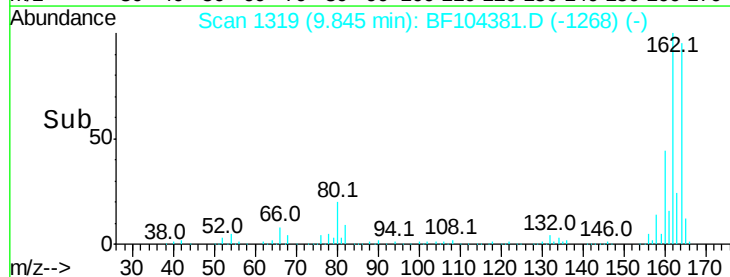
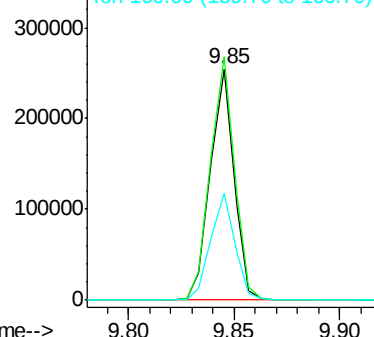
164 100

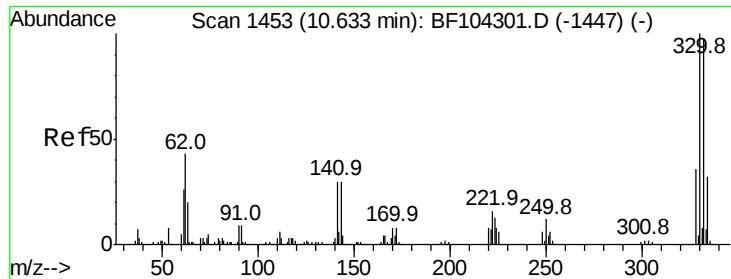
162 105.2 86.1 129.1

160 46.1 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

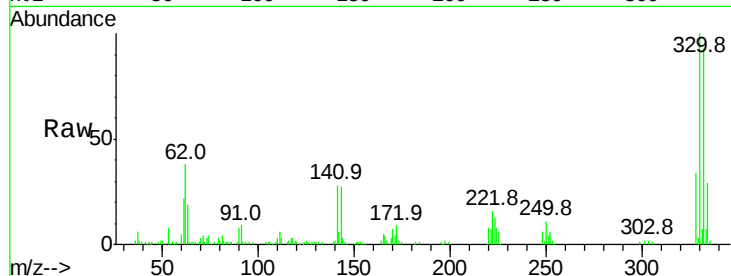




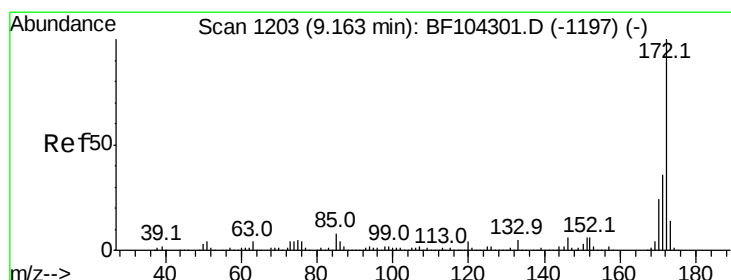
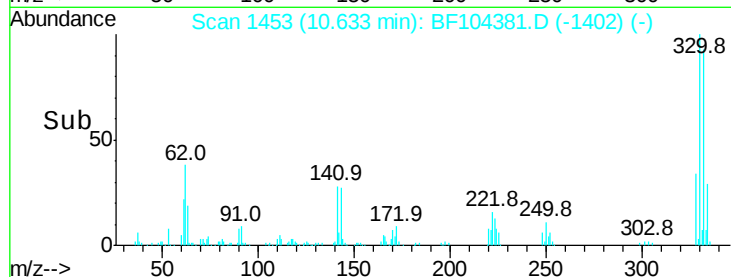
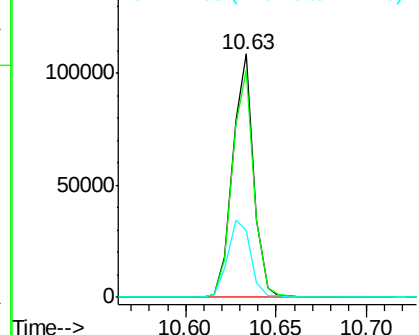
#41
 2,4,6-Tribromophenol
 Concen: 43.191 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF104381.D
 Acq: 9 Apr 2018 19:16

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	34.8	29.9	44.9

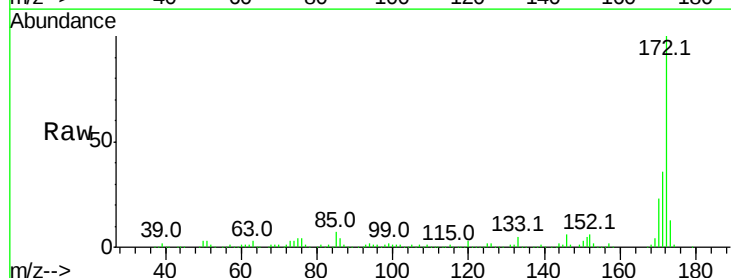


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

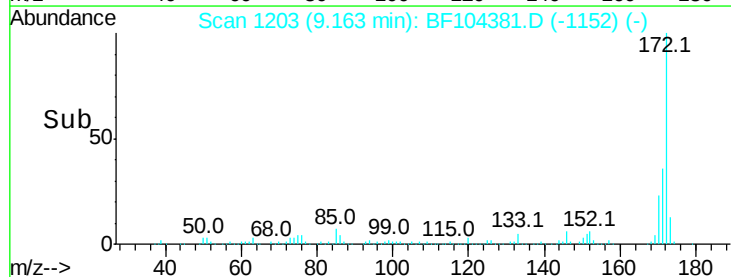
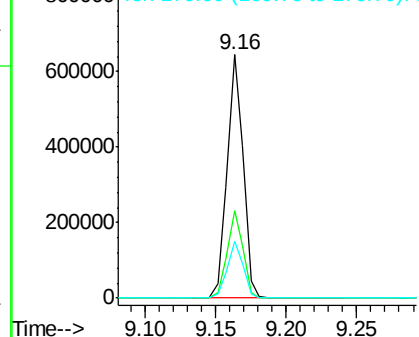


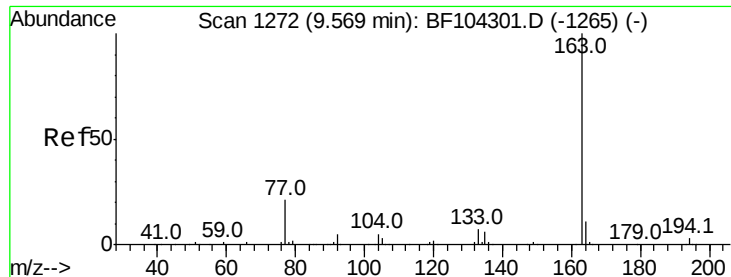
#44
 2-Fluorobiphenyl
 Concen: 40.927 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF104381.D
 Acq: 9 Apr 2018 19:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.5	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: 3.063 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF104381.D

Acq: 9 Apr 2018 19:16

Instrument :

BNA_F

ClientSampleId :

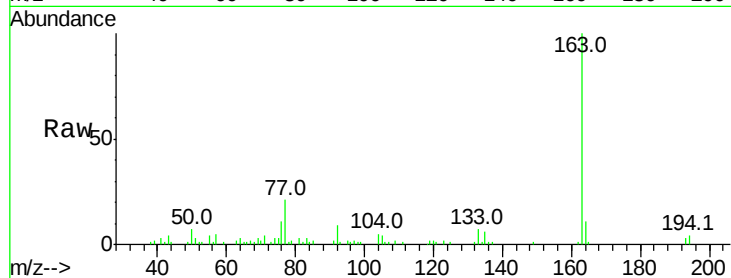
Tot Ion:163 Resp: 47425

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

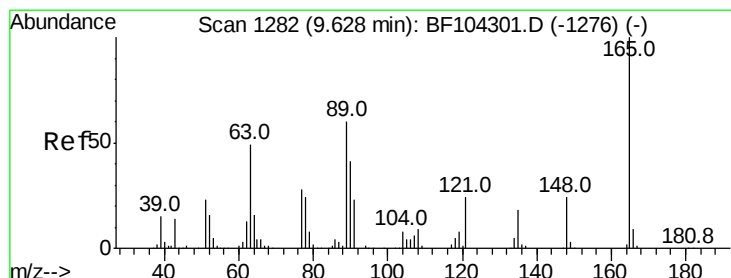
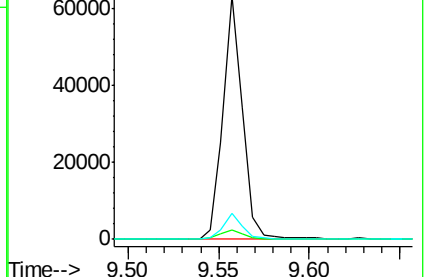
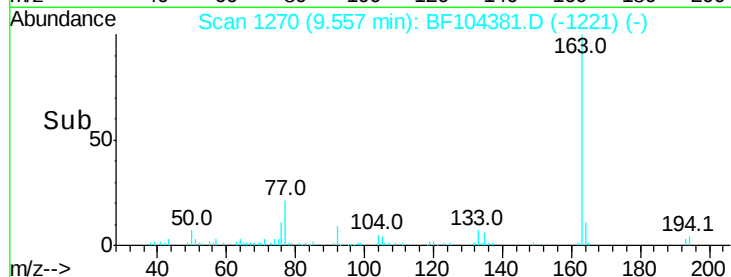
164 10.8 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 8.759 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.22 min

Lab File: BF104381.D

Acq: 9 Apr 2018 19:16

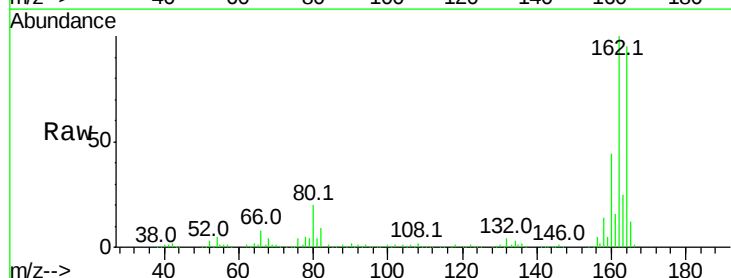
Tgt Ion:165 Resp: 25090

Ion Ratio Lower Upper

165 100

63 1.0 44.7 67.1#

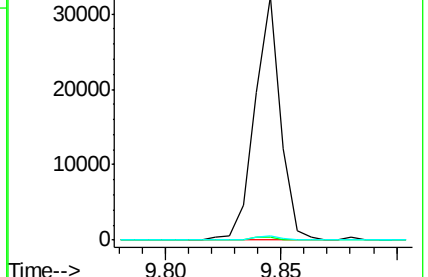
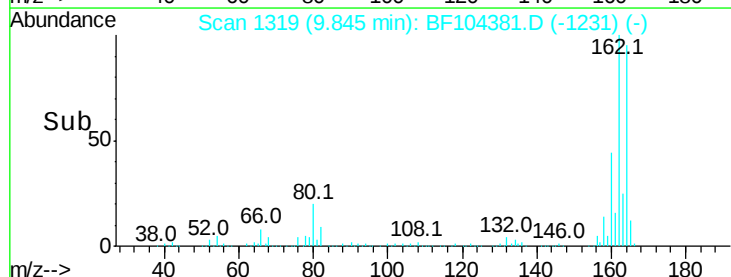
89 1.5 44.0 66.0#

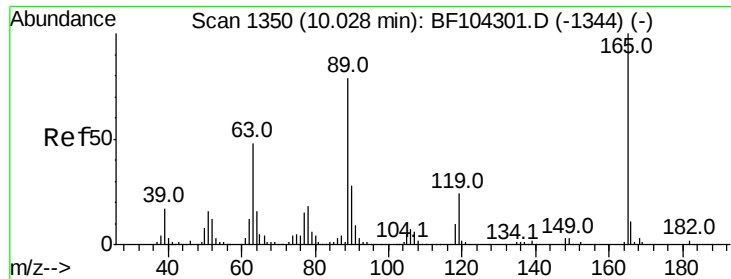


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

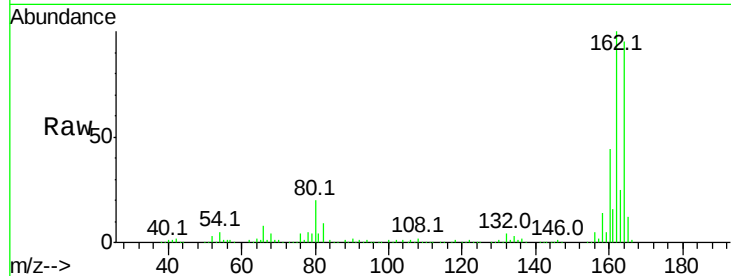




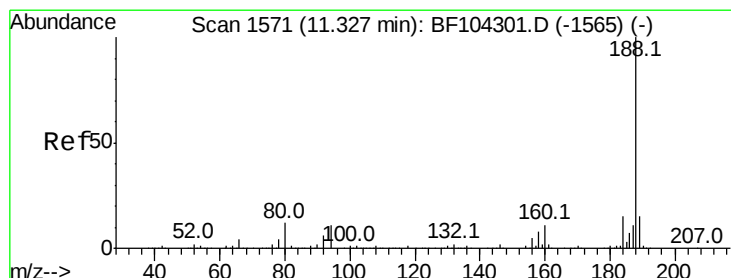
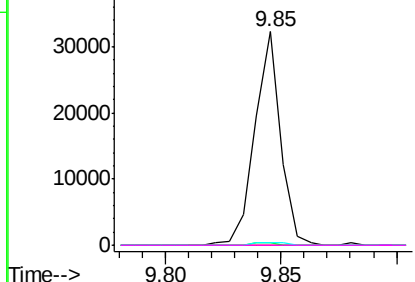
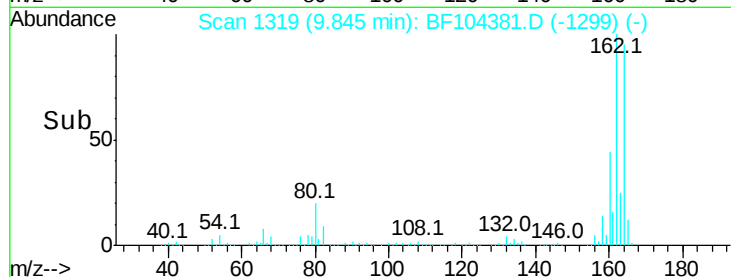
#56
2,4-Dinitrotoluene
Concen: 6.677 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.18 min
Lab File: BF104381.D
Acq: 9 Apr 2018 19:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 25090
Ion Ratio Lower Upper
165 100
63 1.0 36.4 54.6#
89 1.5 57.8 86.6#
182 0.0 1.6 2.4#

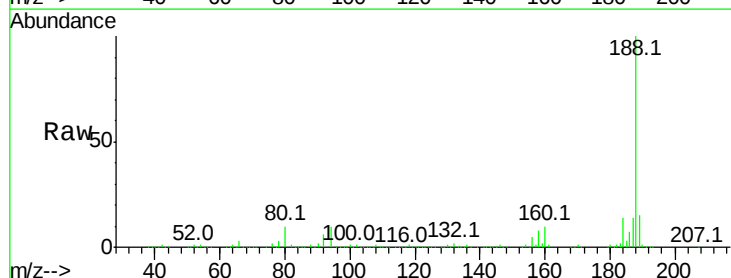


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

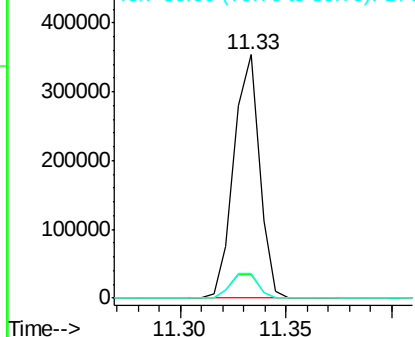
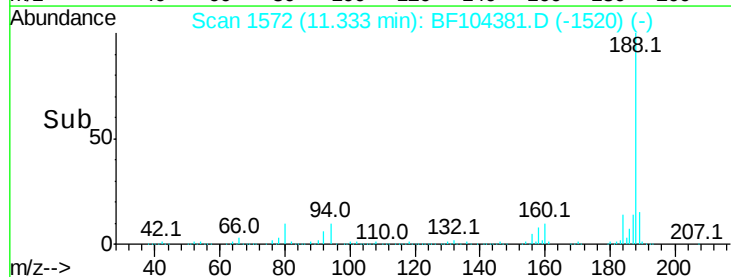


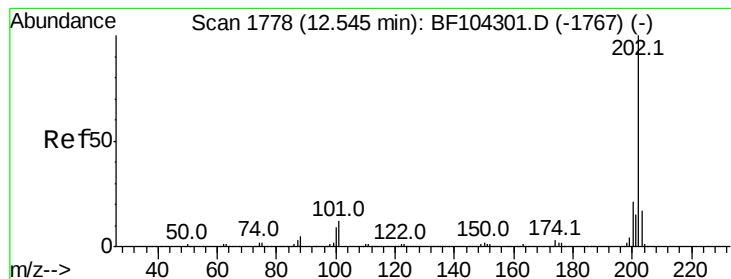
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BF104381.D
Acq: 9 Apr 2018 19:16

Tgt Ion:188 Resp: 295958
Ion Ratio Lower Upper
188 100
94 9.8 8.5 12.7
80 10.0 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





#74

Fluoranthene

Concen: 2.202 ng

RT: 12.55 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BF104381.D

Acq: 9 Apr 2018 19:16

Instrument :

BNA_F

ClientSampleId :

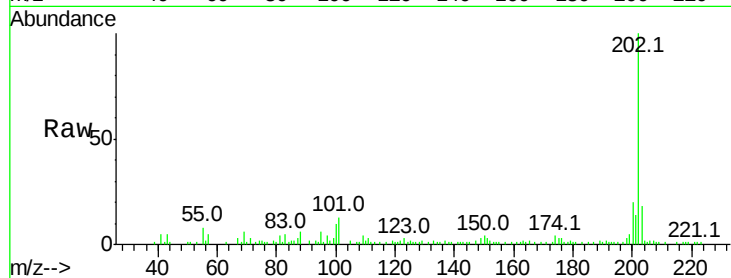
Tot Ion:202 Resp: 37914

Ion Ratio Lower Upper

202 100

101 12.8 0.0 34.1

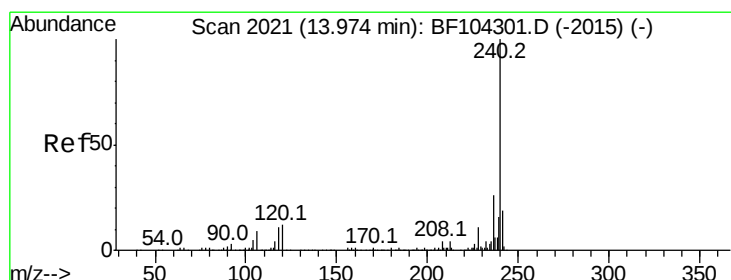
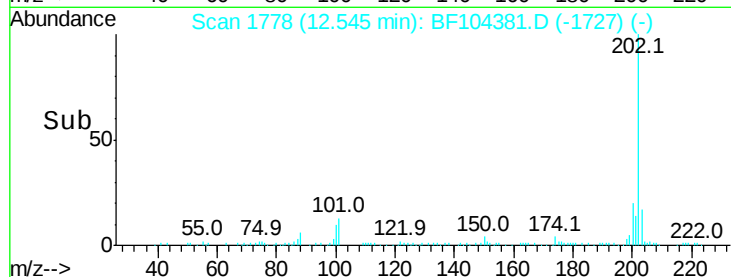
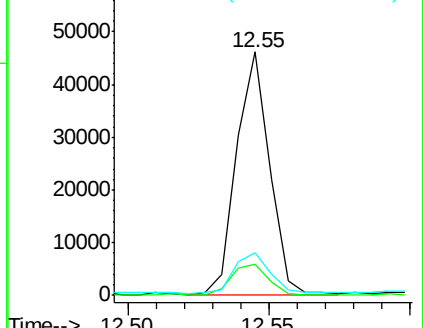
203 17.8 0.0 38.1



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: 13.97 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BF104381.D

Acq: 9 Apr 2018 19:16

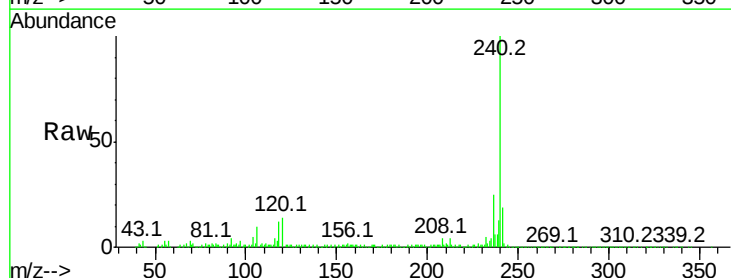
Tgt Ion:240 Resp: 278975

Ion Ratio Lower Upper

240 100

120 14.3 9.5 14.3

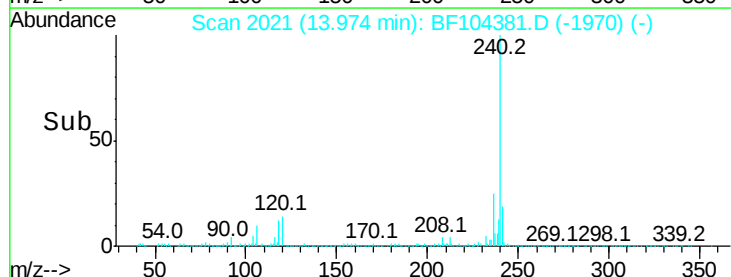
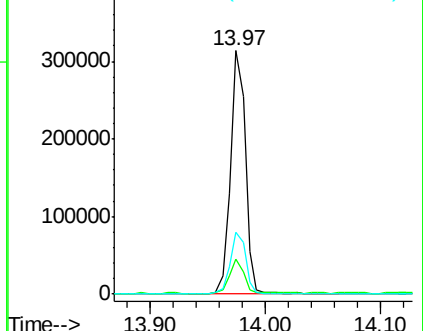
236 25.4 20.7 31.1

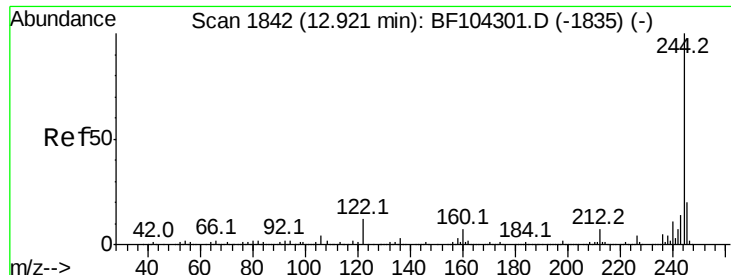


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 30.921 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF104381.D

Acq: 9 Apr 2018 19:16

Instrument :

BNA_F

ClientSampleId :

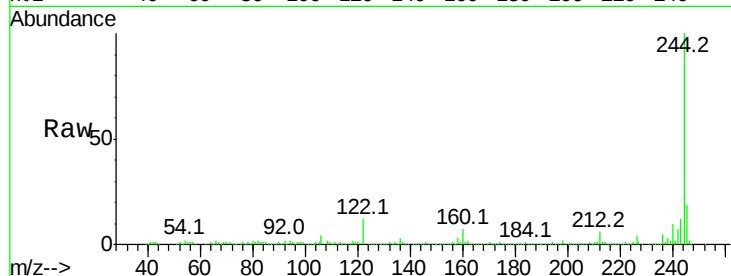
Tot Ion:244 Resp: 378364

Ion Ratio Lower Upper

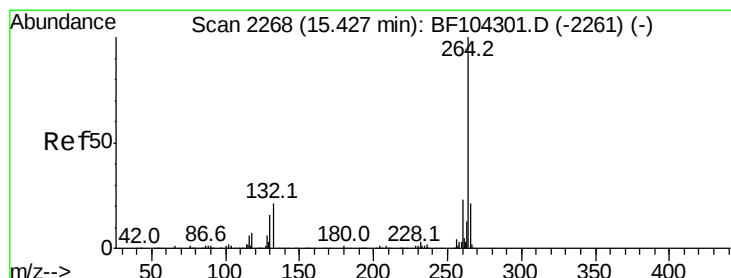
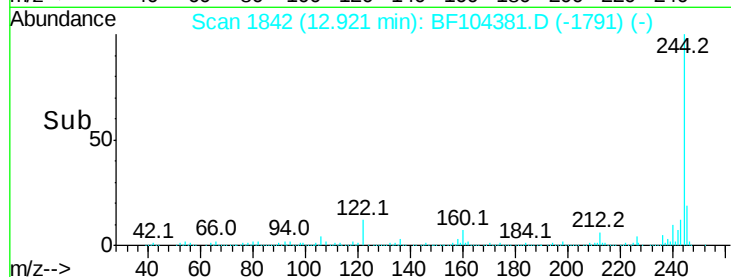
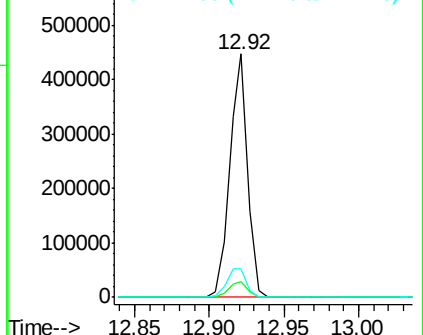
244 100

212 6.5 5.4 8.0

122 11.8 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

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. 0.01 min

Lab File: BF104381.D

Acq: 9 Apr 2018 19:16

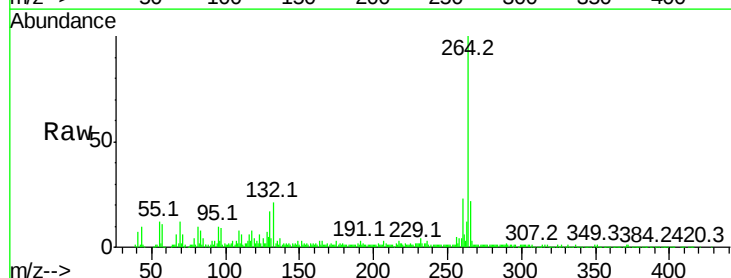
Tgt Ion:264 Resp: 198572

Ion Ratio Lower Upper

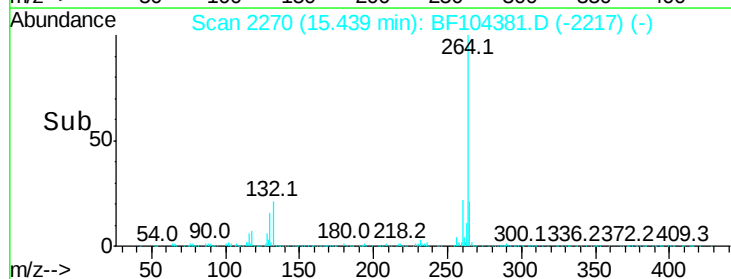
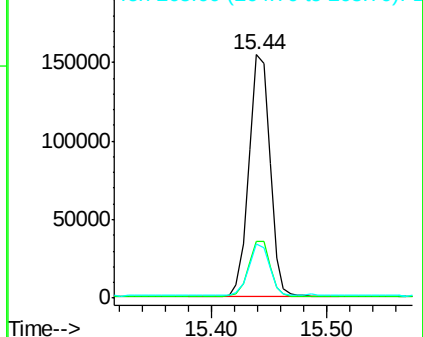
264 100

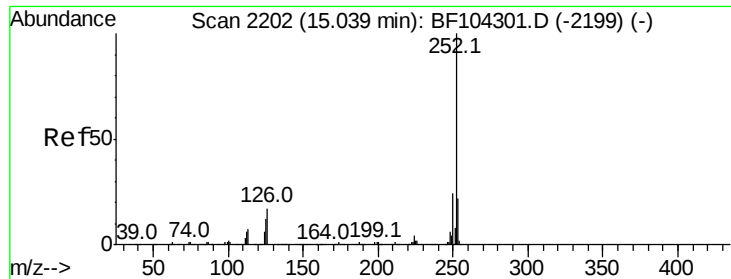
260 23.1 19.2 28.8

265 22.5 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#88

Benzo(k)fluoranthene

Concen: 2.038 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.02 min

Lab File: BF104381.D

Acq: 9 Apr 2018 19:16

Instrument :

BNA_F

ClientSampleId :

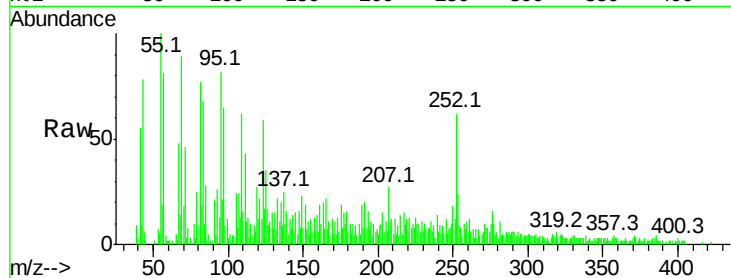
Tot Ion:252 Resp: 24134

Ion Ratio Lower Upper

252 100

253 38.6 17.9 26.9#

125 56.6 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

