

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042018\
 Data File : BF104683.D
 Acq On : 20 Apr 2018 19:13
 Operator : JU/SJ
 Sample : J2477-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-PS-01-022

Quant Time: Apr 21 04:14:18 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 20 14:49:55 2018
 Response via : Initial Calibration

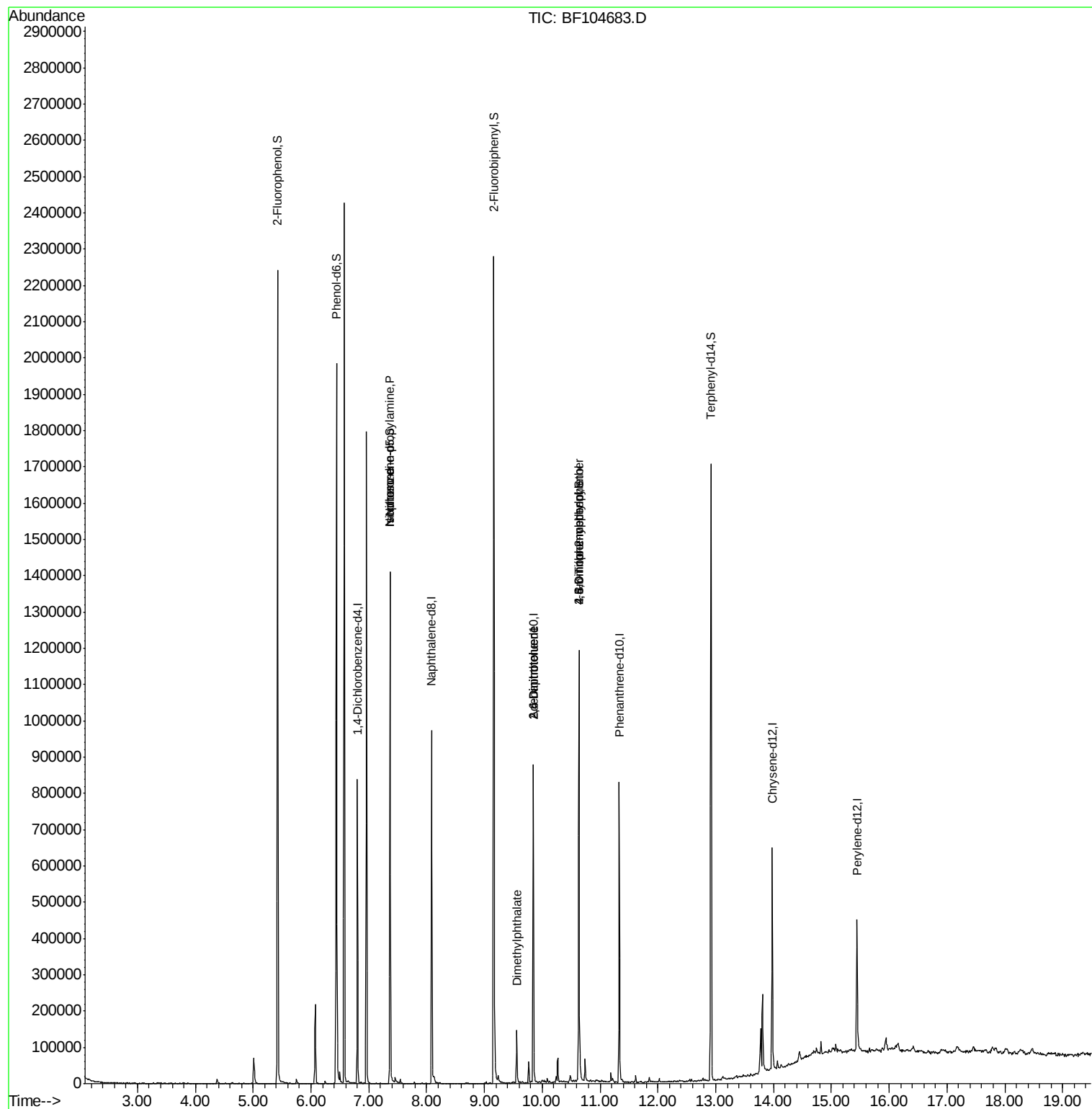
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	112721	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	436341	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	175453	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	291487	20.00	ng	0.00
75) Chrysene-d12	13.97	240	216898	20.00	ng	0.00
86) Perylene-d12	15.44	264	164746	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	638990	86.68	ng	0.00
7) Phenol-d6	6.45	99	744662	82.21	ng	0.00
23) Nitrobenzene-d5	7.37	82	429797	64.32	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	146895	80.71	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	725874	65.36	ng	0.00
78) Terphenyl-d14	12.92	244	595805	62.63	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	54660	9.235	ng	# 73
25) Isophorone	7.37	82	429791	30.416	ng	# 64
49) Dimethylphthalate	9.56	163	59615	4.309	ng	# 99
50) 2,6-Dinitrotoluene	9.85	165	21607	8.440	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	21607	6.434	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.63	198	155	7.440	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	8362	2.697	ng	# 1
76) Benzidine	12.92	184	7645	Below Cal		# 91

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

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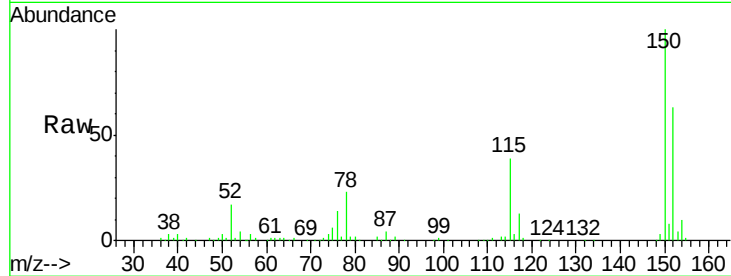


#1

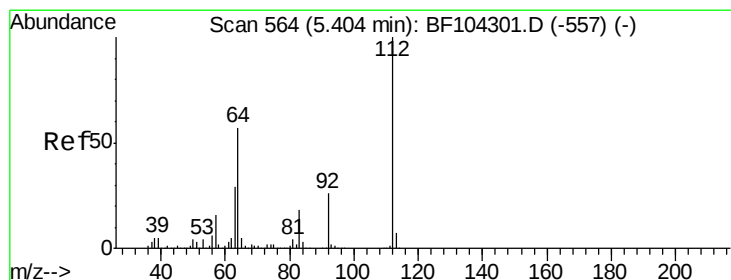
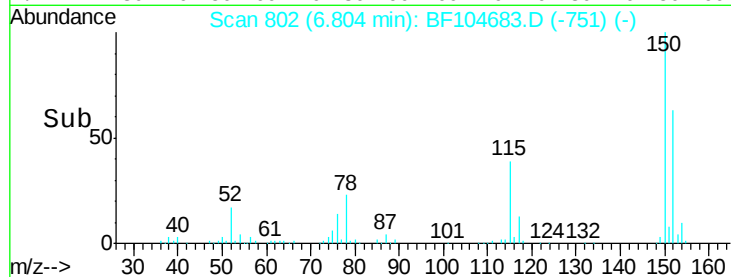
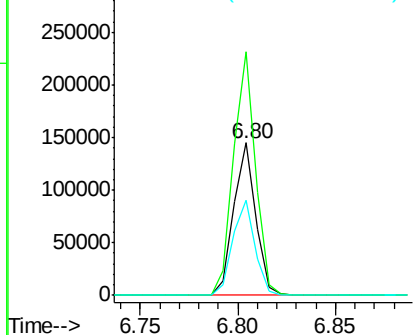
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104683.D
Acq: 20 Apr 2018 19:13

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-022

Tot Ion:152 Resp: 112721
Ion Ratio Lower Upper
152 100
150 159.9 124.6 186.8
115 62.8 50.1 75.1



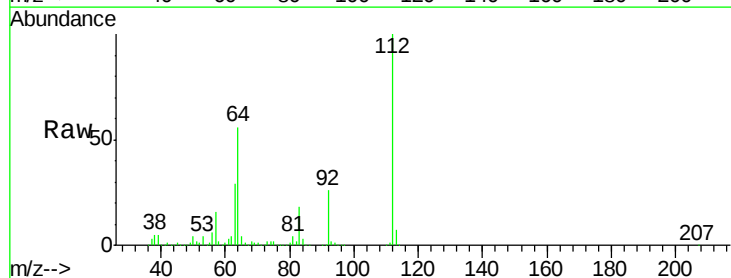
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



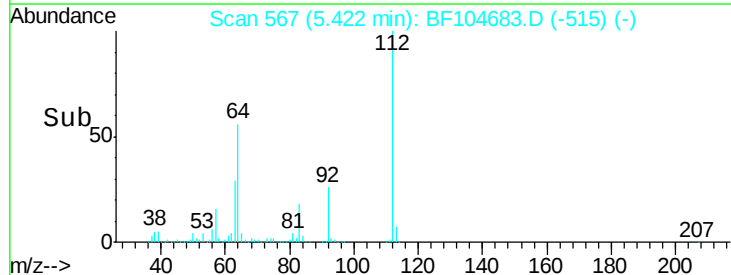
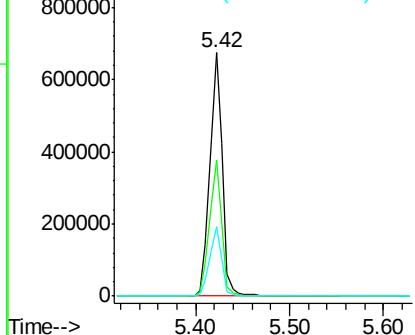
#5

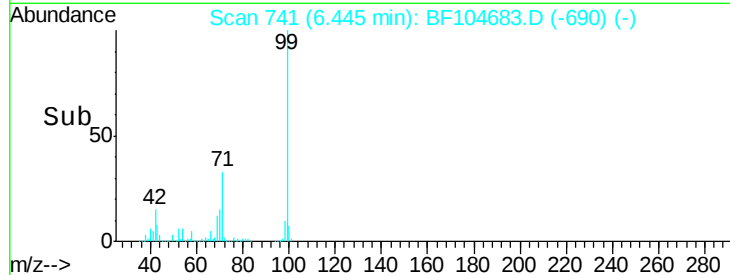
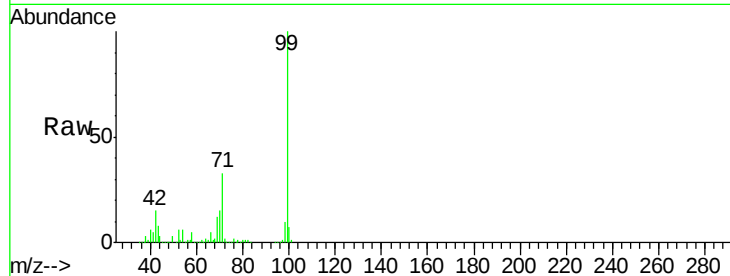
2-Fluorophenol
Concen: 86.679 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104683.D
Acq: 20 Apr 2018 19:13

Tgt Ion:112 Resp: 638990
Ion Ratio Lower Upper
112 100
64 56.0 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: 82.213 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104683.D

Acq: 20 Apr 2018 19:13

Instrument :

BNA_F

ClientSampleId :

FK-PS-01-022

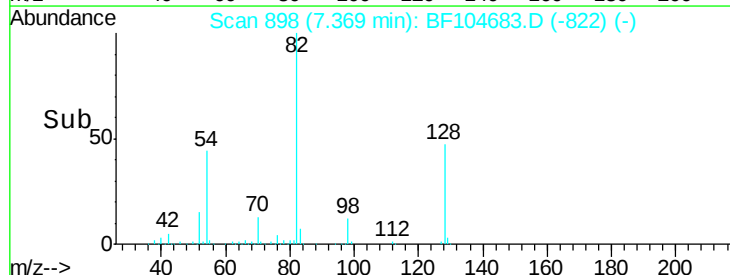
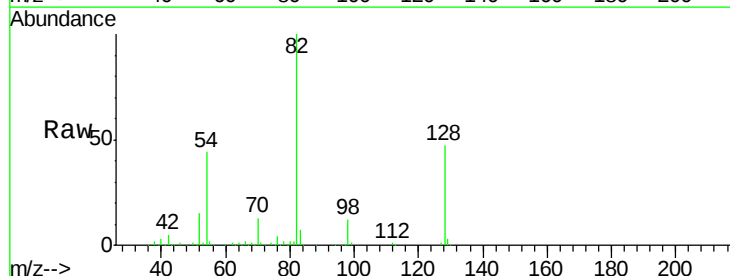
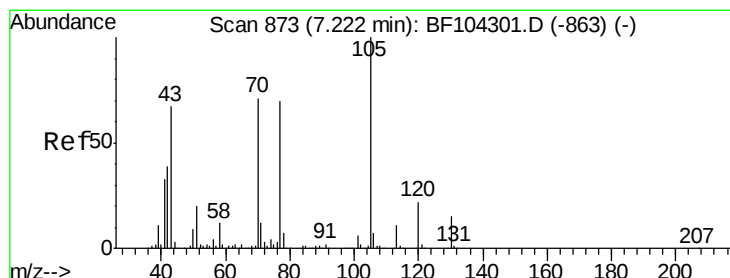
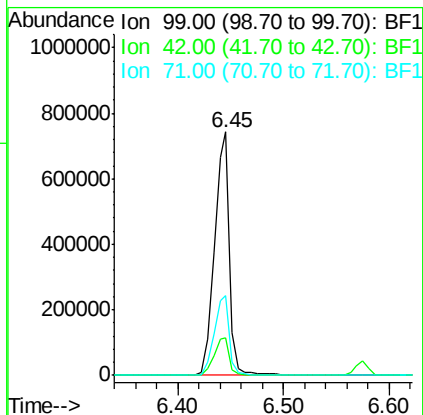
Tot Ion: 99 Resp: 744662

Ion Ratio Lower Upper

99 100

42 15.4 14.5 21.7

71 32.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 9.235 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104683.D

Acq: 20 Apr 2018 19:13

Tgt Ion: 70 Resp: 54660

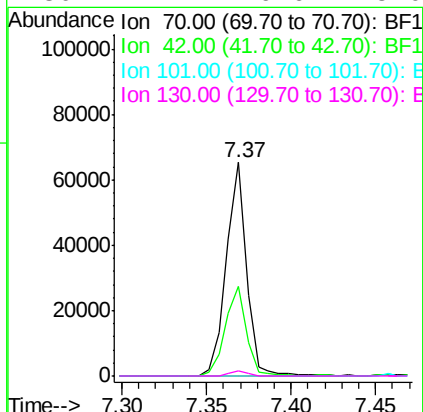
Ion Ratio Lower Upper

70 100

42 42.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

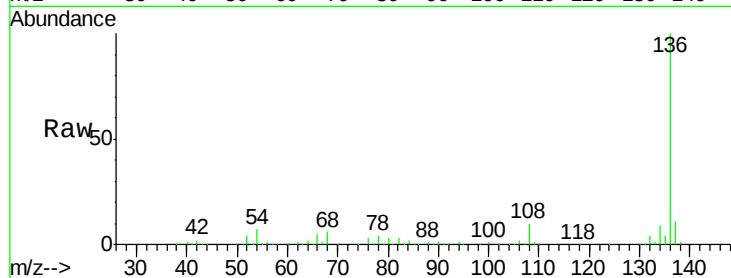




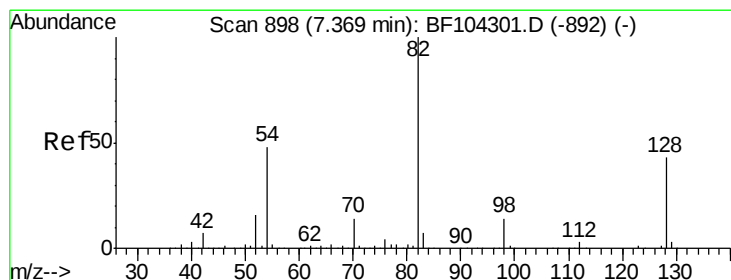
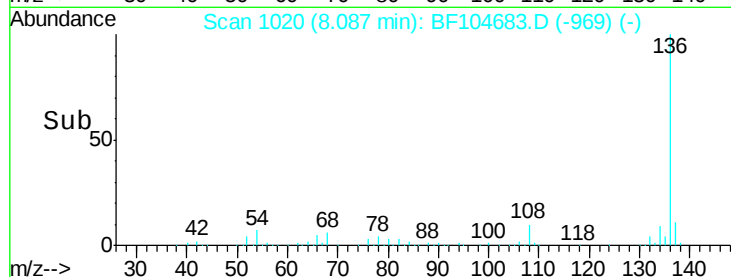
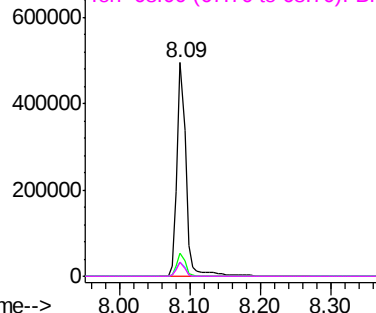
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF104683.D
Acq: 20 Apr 2018 19:13

Instrument :
BNA_F
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FK-PS-01-022

Tot Ion:136	Resp:	436341
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	6.7	6.6 9.8
68	6.4	5.0 7.4

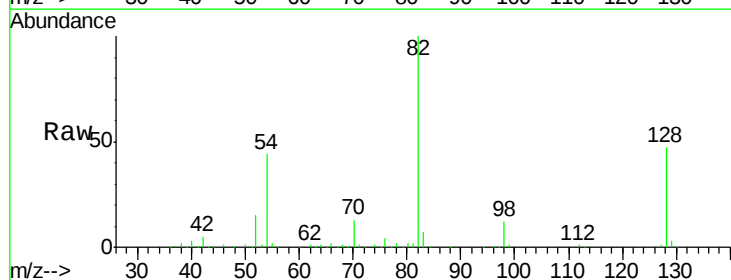


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

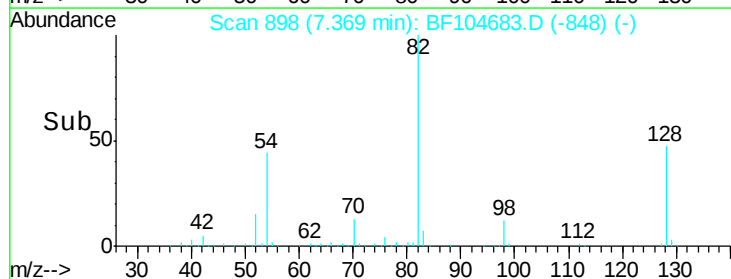
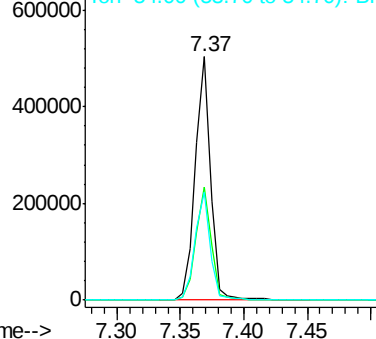


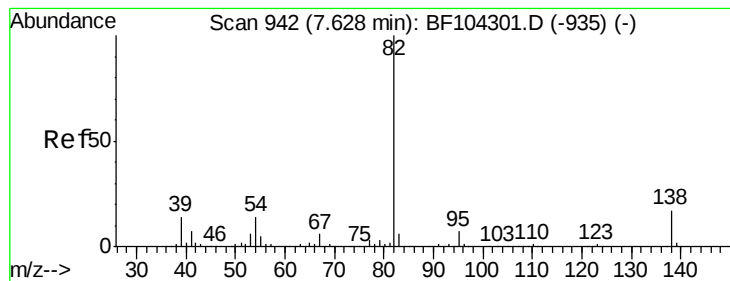
#23
Nitrobenzene-d5
Concen: 64.319 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104683.D
Acq: 20 Apr 2018 19:13

Tgt Ion: 82	Resp:	429797
Ion Ratio	Lower	Upper
82	100	
128	46.6	36.1 54.1
54	44.3	41.4 62.2



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





#25

Isophorone

Concen: 30.416 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104683.D

Acq: 20 Apr 2018 19:13

Instrument :

BNA_F

ClientSampleId :

FK-PS-01-022

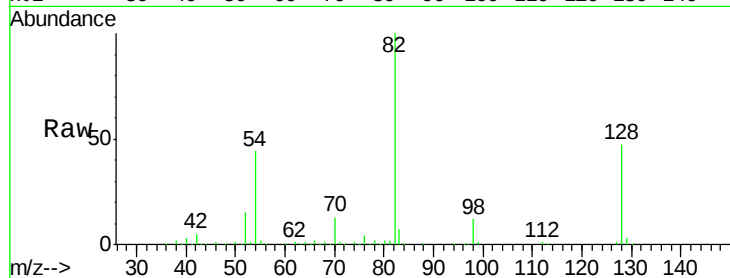
Tot Ion: 82 Resp: 429791

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

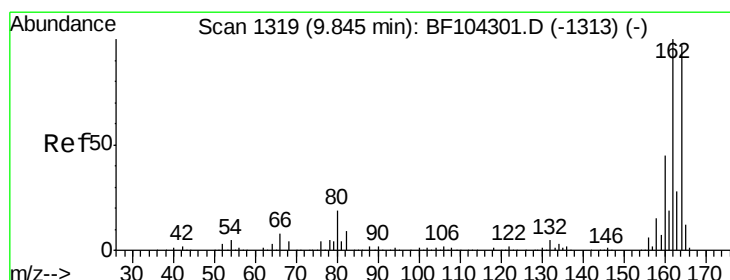
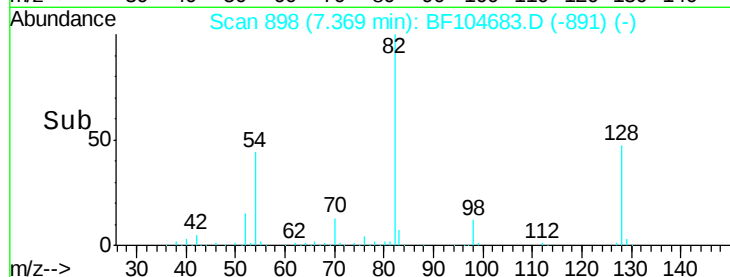
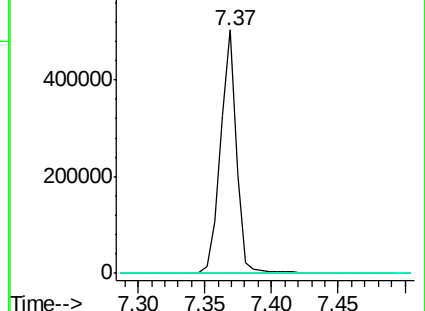
138 0.0 14.9 22.3#



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: BF104683.D

Acq: 20 Apr 2018 19:13

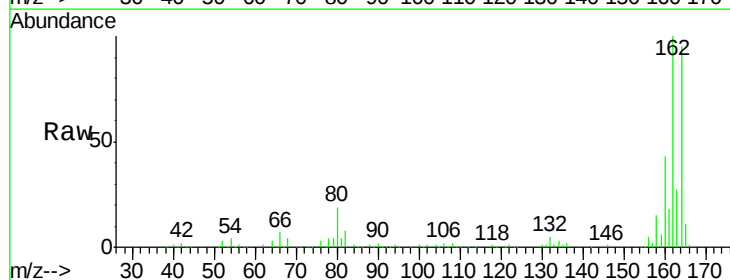
Tgt Ion:164 Resp: 175453

Ion Ratio Lower Upper

164 100

162 105.4 86.1 129.1

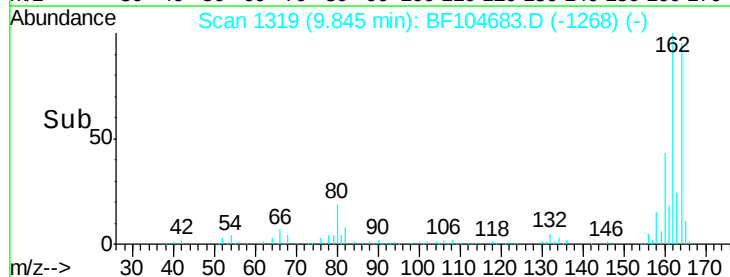
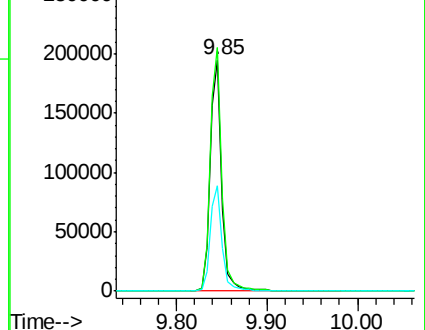
160 45.4 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 80.711 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF104683.D

Acq: 20 Apr 2018 19:13

Instrument :

BNA_F

ClientSampleId :

FK-PS-01-022

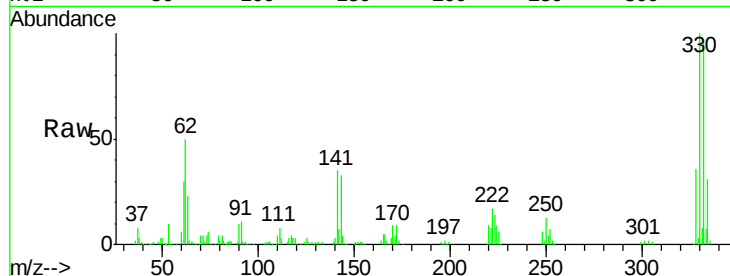
Tot Ion:330 Resp: 146895

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

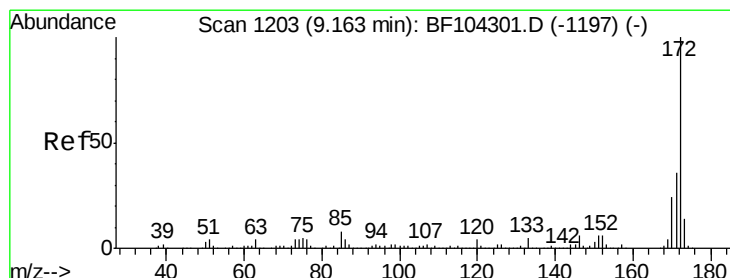
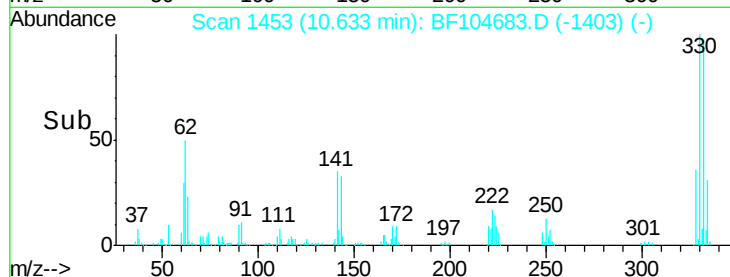
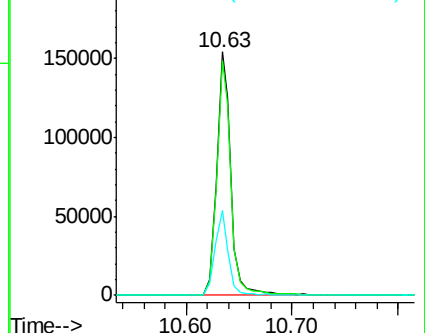
141 33.3 29.9 44.9



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: 65.357 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.00 min

Lab File: BF104683.D

Acq: 20 Apr 2018 19:13

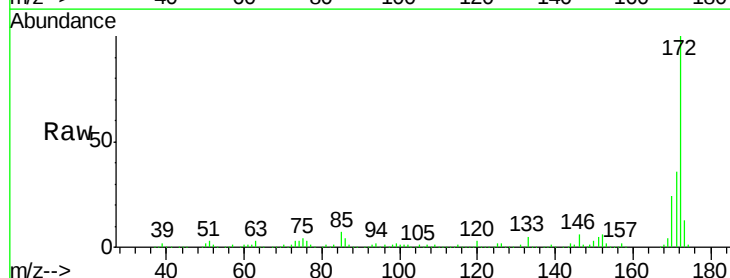
Tgt Ion:172 Resp: 725874

Ion Ratio Lower Upper

172 100

171 36.3 29.7 44.5

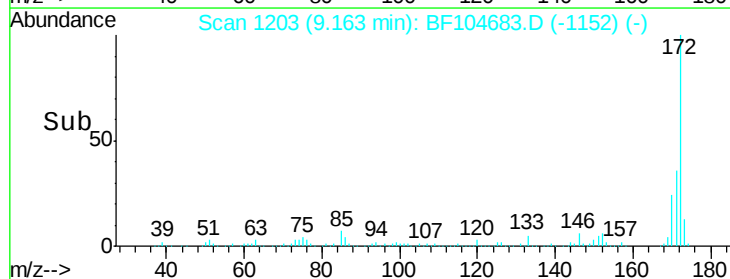
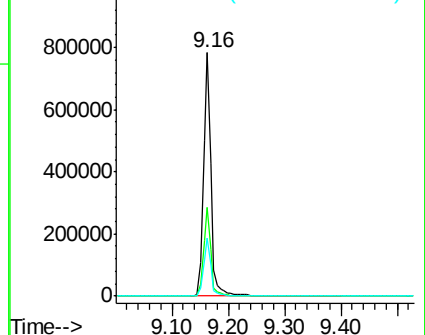
170 23.9 19.6 29.4

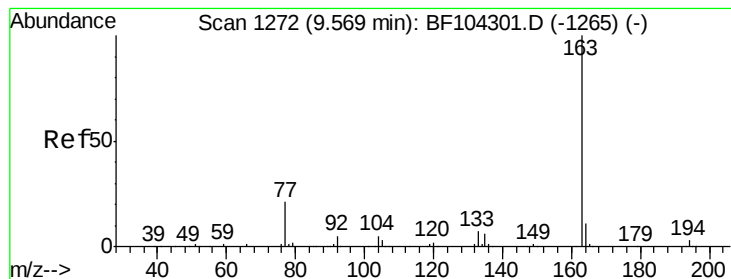


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 4.309 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

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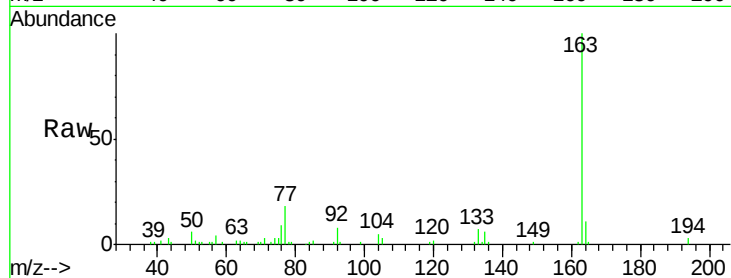
Tot Ion:163 Resp: 59615

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

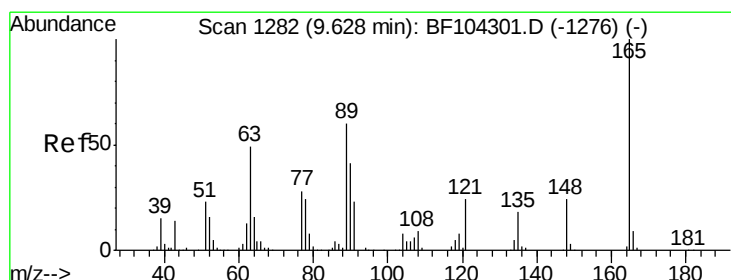
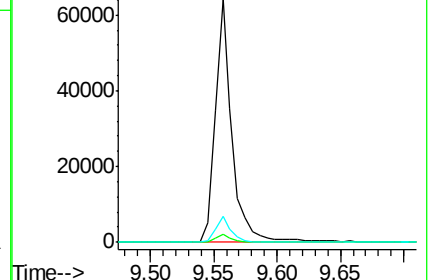
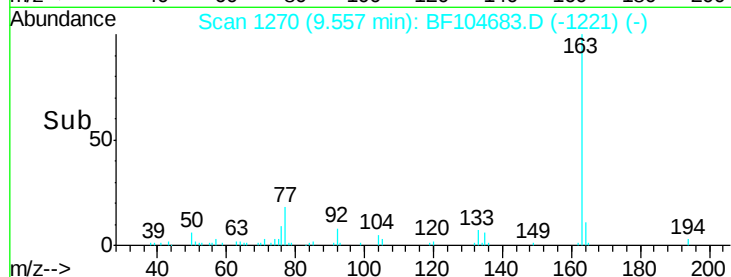
164 10.8 8.2 12.2



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: 8.440 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.21 min

Lab File: BF104683.D

Acq: 20 Apr 2018 19:13

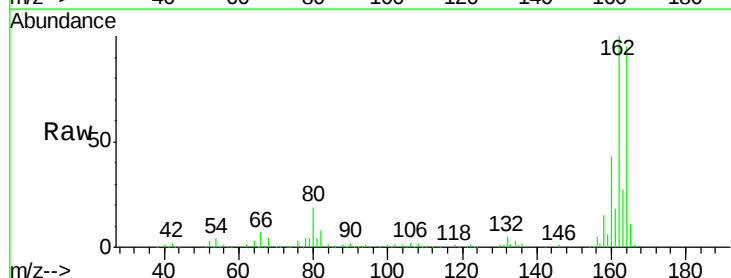
Tgt Ion:165 Resp: 21607

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

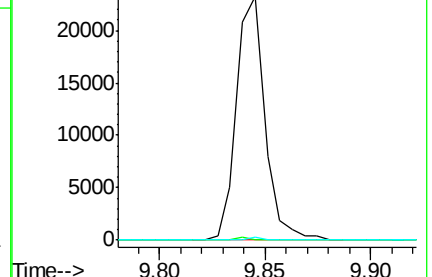
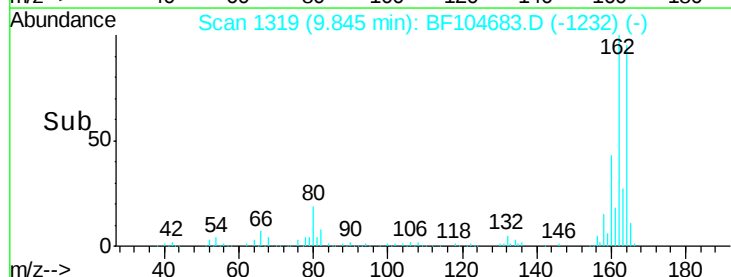
89 1.3 44.0 66.0#



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

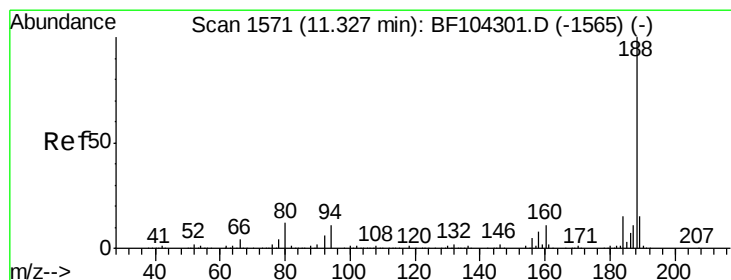
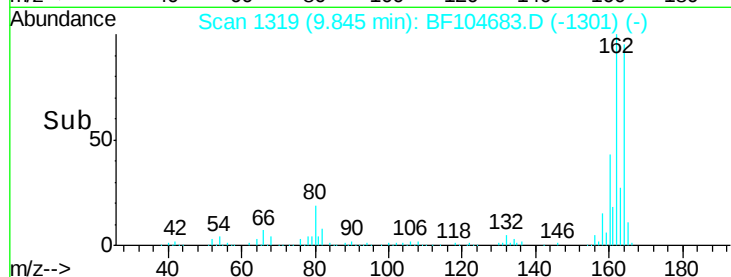
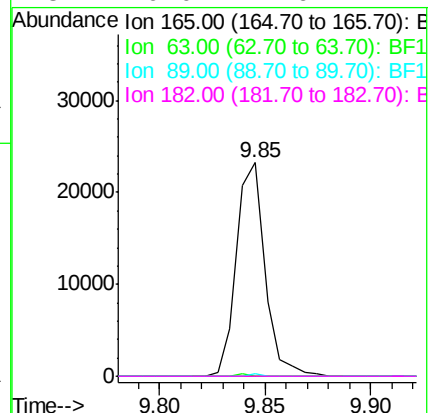
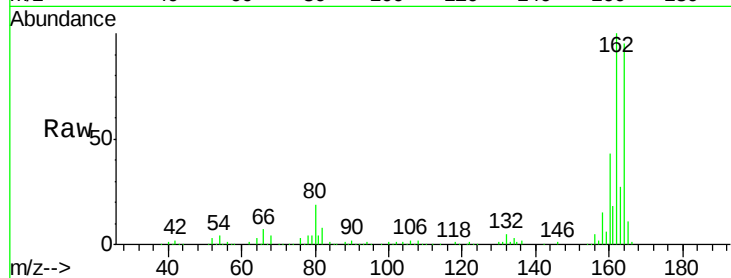




#56
2,4-Dinitrotoluene
Concen: 6.434 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.19 min
Lab File: BF104683.D
Acq: 20 Apr 2018 19:13

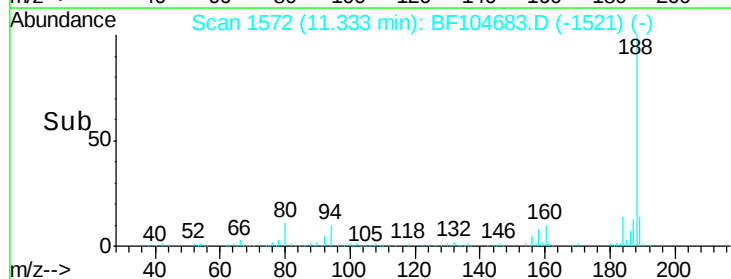
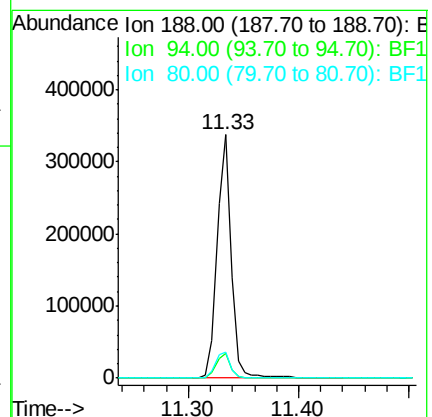
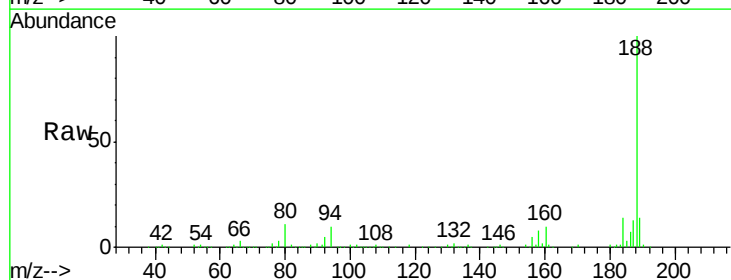
Instrument :
BNA_F
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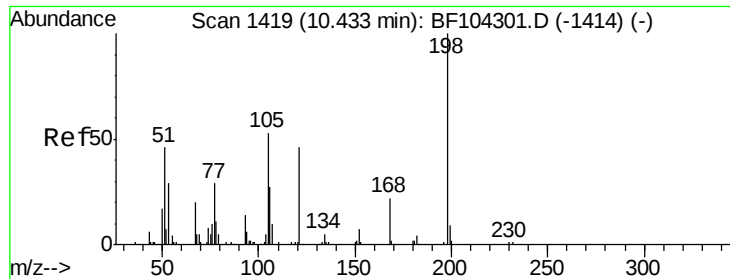
Tot Ion:	165	Resp:	21607
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF104683.D
Acq: 20 Apr 2018 19:13

Tgt Ion:	188	Resp:	291487
Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.5	12.7
80	10.6	9.2	13.8

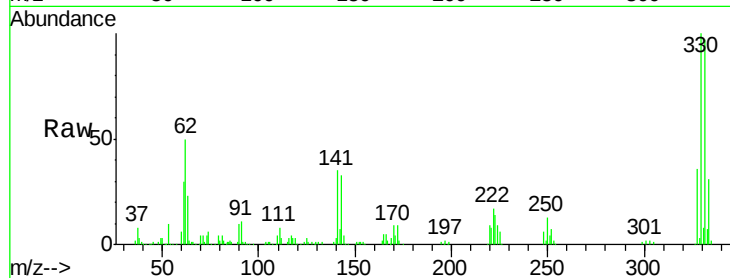




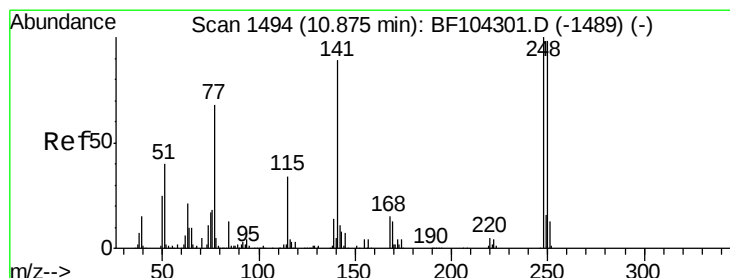
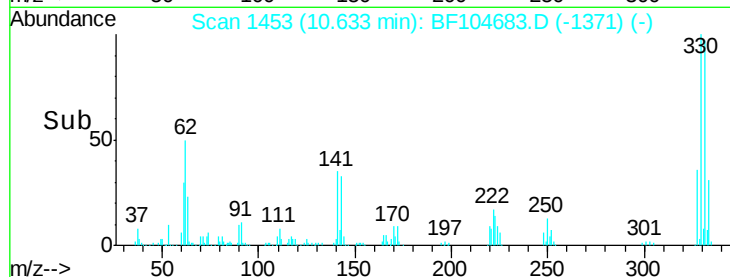
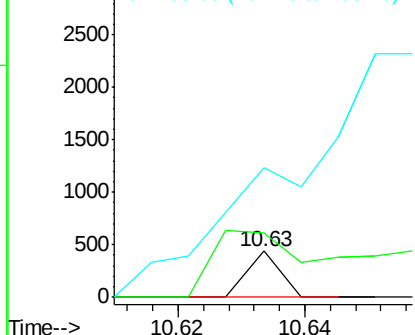
#64
4,6-Dinitro-2-methylphenol
Concen: 7.440 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF104683.D
Acq: 20 Apr 2018 19:13

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-022

Tot Ion:198 Resp: 155
Ion Ratio Lower Upper
198 100
51 138.7 37.7 77.7#
105 281.8 36.3 76.3#

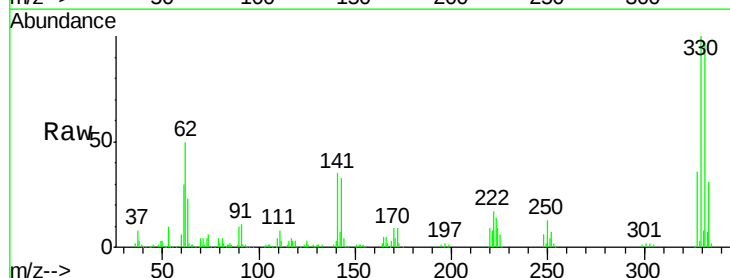


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

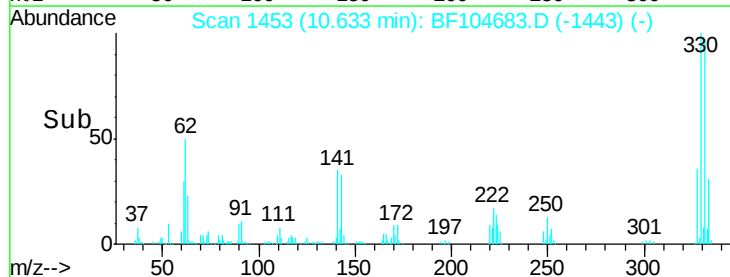
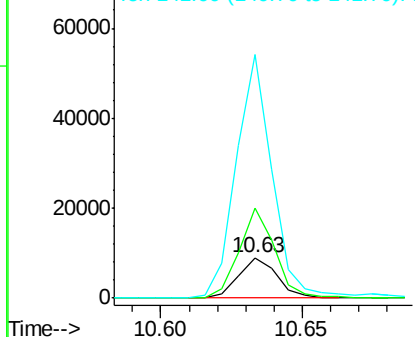


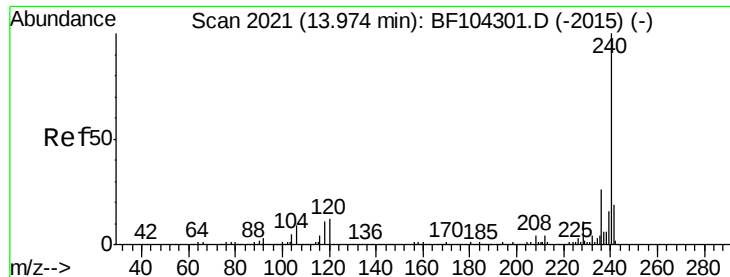
#66
4-Bromophenyl-phenylether
Concen: 2.697 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF104683.D
Acq: 20 Apr 2018 19:13

Tgt Ion:248 Resp: 8362
Ion Ratio Lower Upper
248 100
250 222.5 76.9 115.3#
141 598.3 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104683.D

Acq: 20 Apr 2018 19:13

Instrument :

BNA_F

ClientSampleId :

FK-PS-01-022

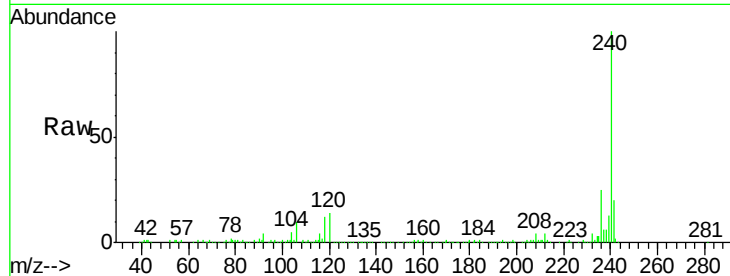
Tot Ion:240 Resp: 216898

Ion Ratio Lower Upper

240 100

120 14.2 9.5 14.3

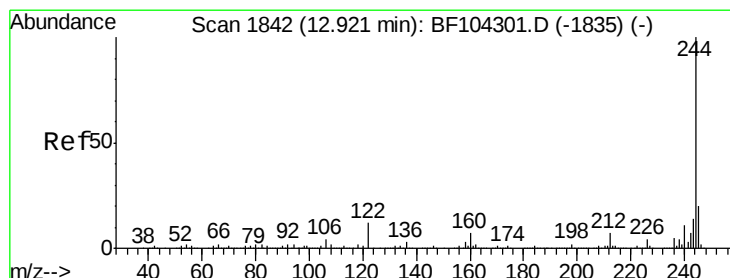
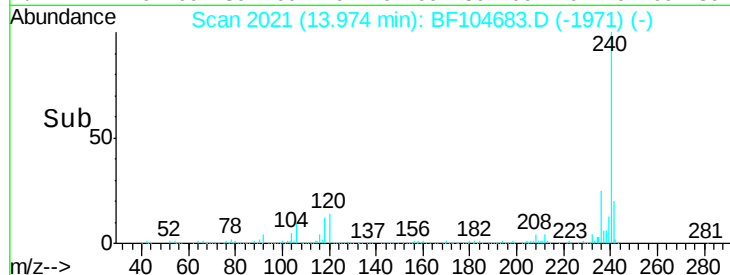
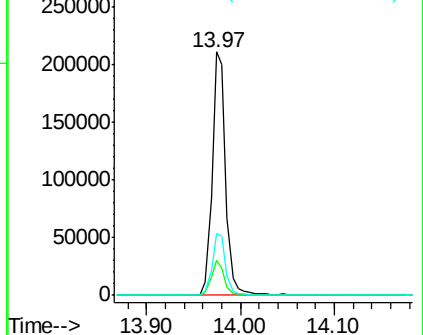
236 25.4 20.7 31.1



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: 62.625 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104683.D

Acq: 20 Apr 2018 19:13

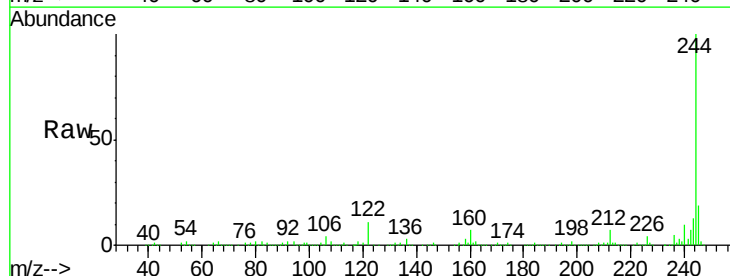
Tgt Ion:244 Resp: 595805

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

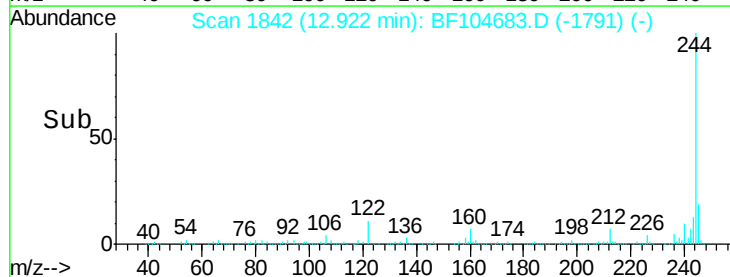
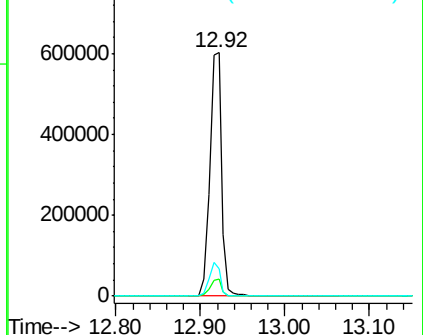
122 11.3 11.0 16.4

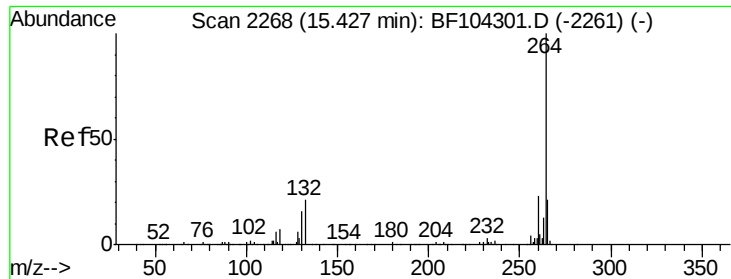


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

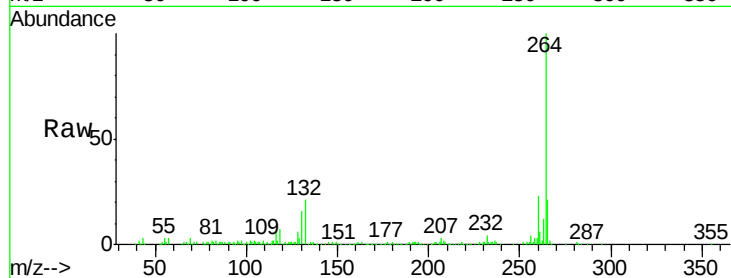




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF104683.D
Acq: 20 Apr 2018 19:13

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-022

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.2	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

