

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
 Data File : BF104648.D
 Acq On : 20 Apr 2018 00:16
 Operator : JU/SJ
 Sample : J2455-21
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 20 00:59:51 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 14:44:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	139186	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	565154	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	240687	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	371706	20.00	ng	0.00
75) Chrysene-d12	13.97	240	290904	20.00	ng	-0.01
86) Perylene-d12	15.43	264	221882	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1087064	119.42	ng	0.01
7) Phenol-d6	6.45	99	1334114	119.28	ng	0.00
23) Nitrobenzene-d5	7.37	82	853350	98.60	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	294222	117.84	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1262137	82.84	ng	0.00
78) Terphenyl-d14	12.92	244	979714	76.78	ng	0.00

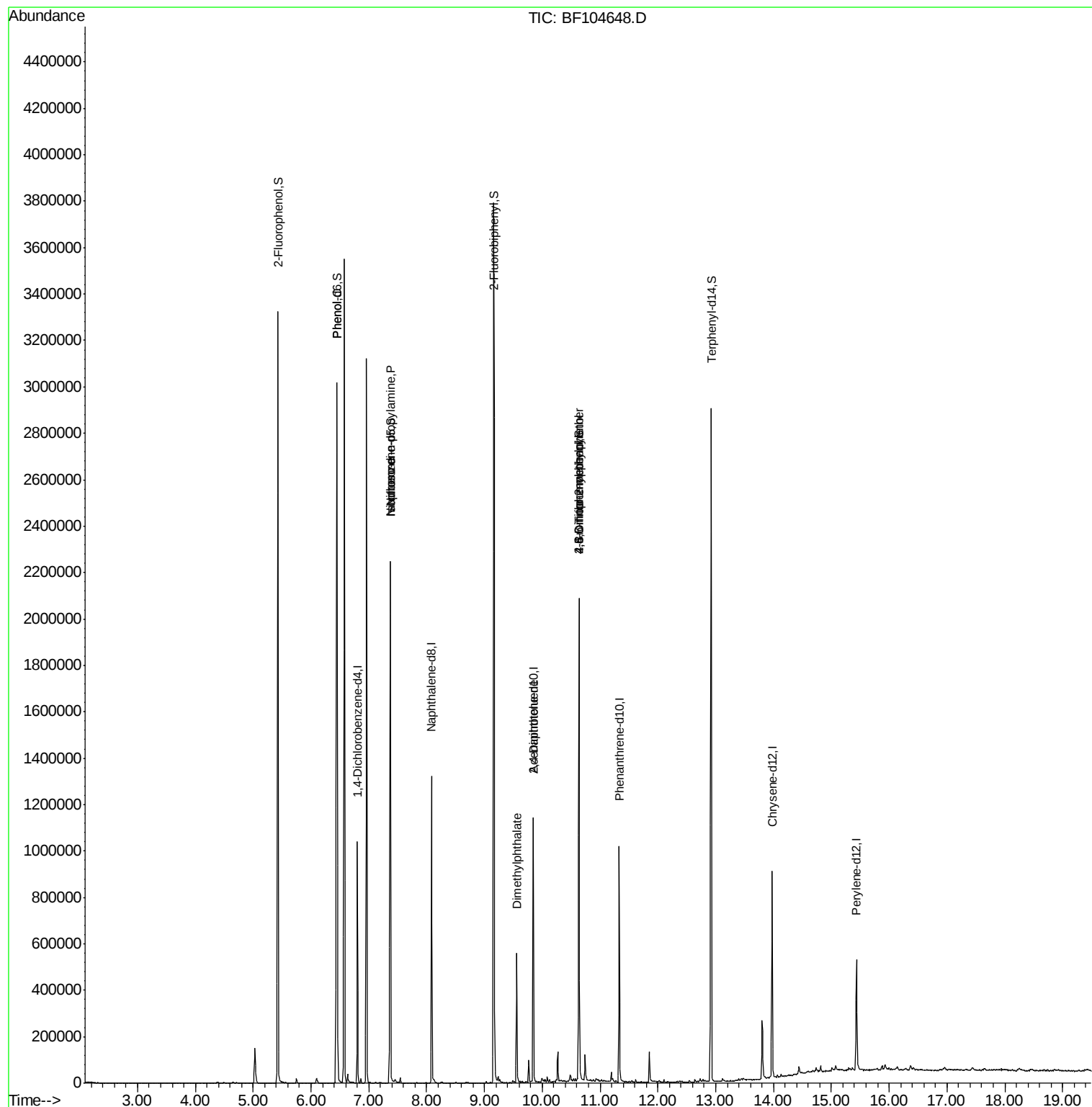
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.46	94	77589	6.538	ng	94
19) n-Nitroso-di-n-propylamine	7.37	70	111849	15.304	ng	# 72
25) Isophorone	7.37	82	853345	46.625	ng	# 64
49) Dimethylphthalate	9.56	163	211958	11.167	ng	99
56) 2,4-Dinitrotoluene	9.84	165	30574	6.637	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	395	7.532	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	16965	4.291	ng	# 1
76) Benzidine	12.92	184	12464	Below Cal		97

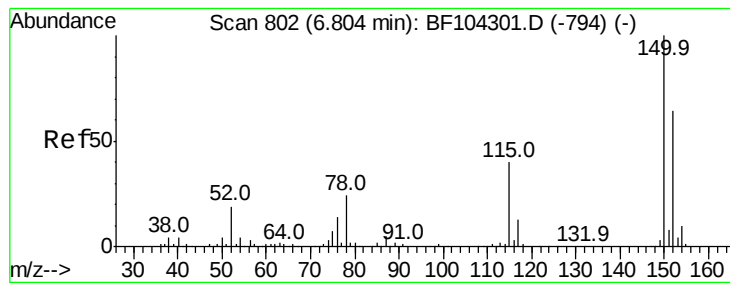
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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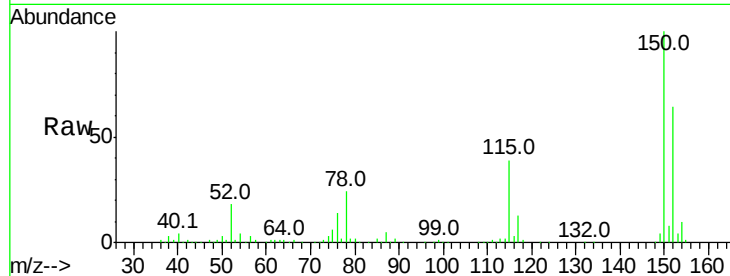


#1

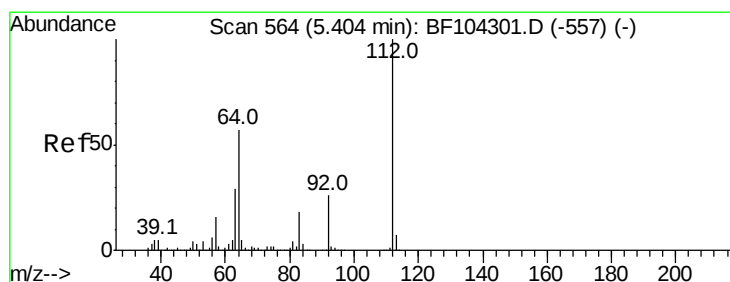
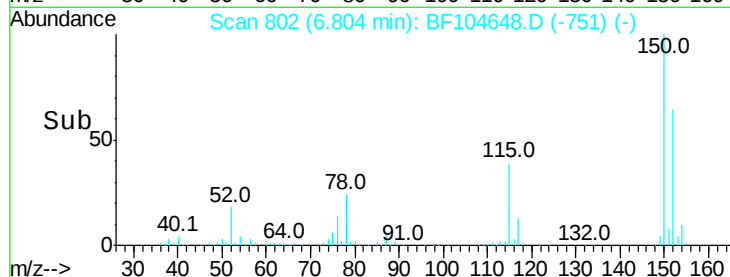
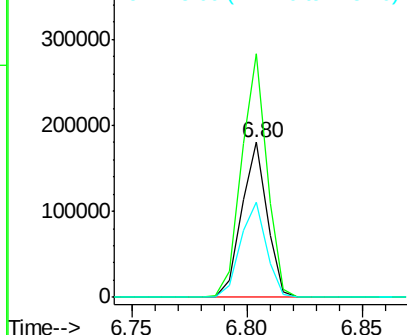
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104648.D
Acq: 20 Apr 2018 00:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 139186
Ion Ratio Lower Upper
152 100
150 157.3 124.6 186.8
115 61.7 50.1 75.1



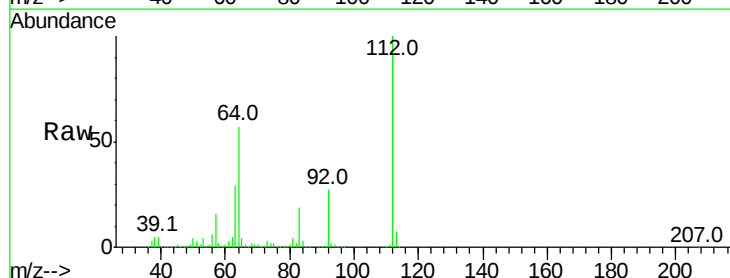
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



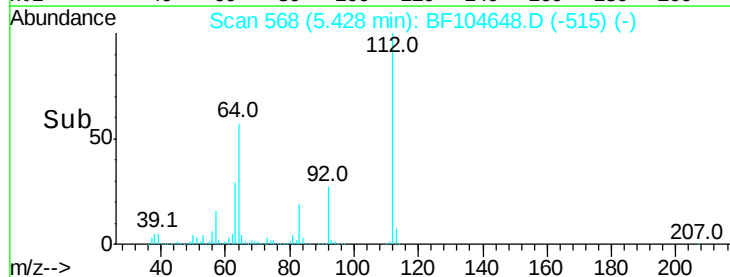
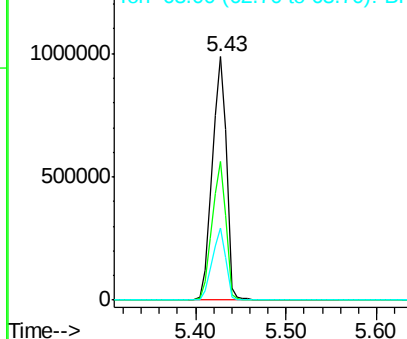
#5

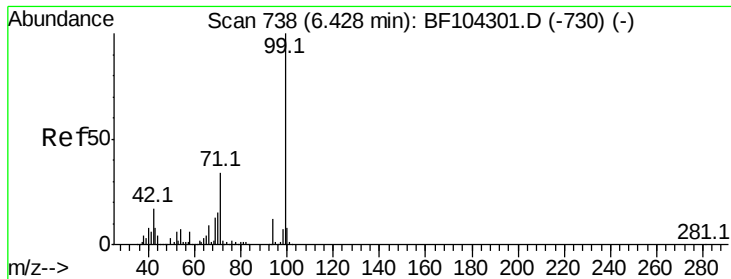
2-Fluorophenol
Concen: 119.422 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104648.D
Acq: 20 Apr 2018 00:16

Tgt Ion:112 Resp: 1087064
Ion Ratio Lower Upper
112 100
64 56.9 47.9 71.9
63 29.4 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: 119.284 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104648.D

Acq: 20 Apr 2018 00:16

Instrument :

BNA_F

ClientSampled :

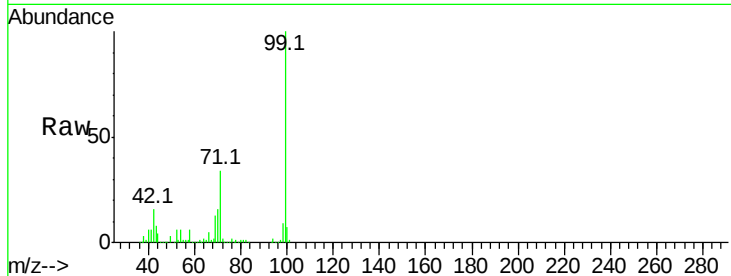
Tot Ion: 99 Resp: 1334114

Ion Ratio Lower Upper

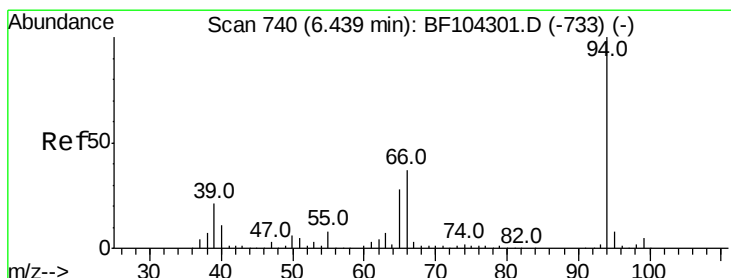
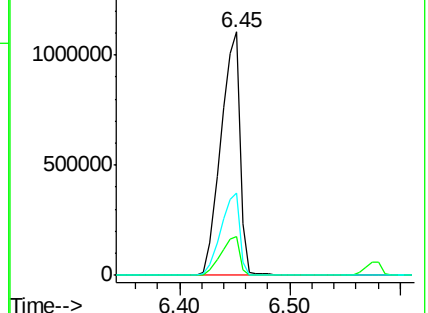
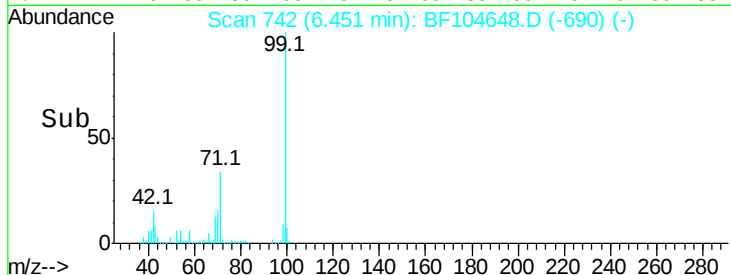
99 100

42 16.0 14.5 21.7

71 34.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 6.538 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF104648.D

Acq: 20 Apr 2018 00:16

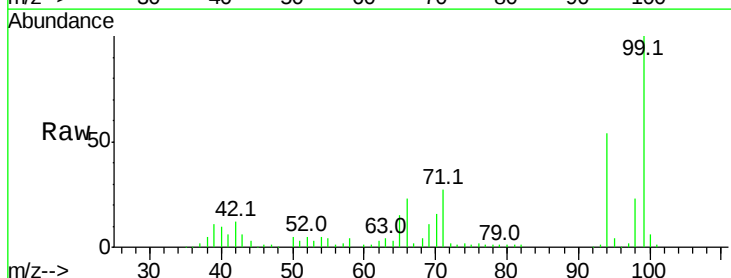
Tgt Ion: 94 Resp: 77589

Ion Ratio Lower Upper

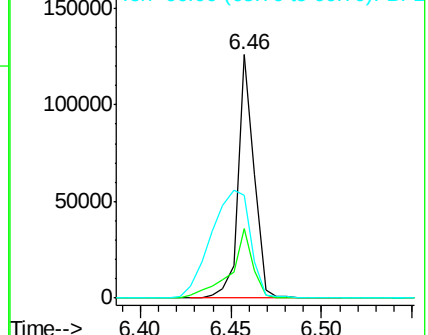
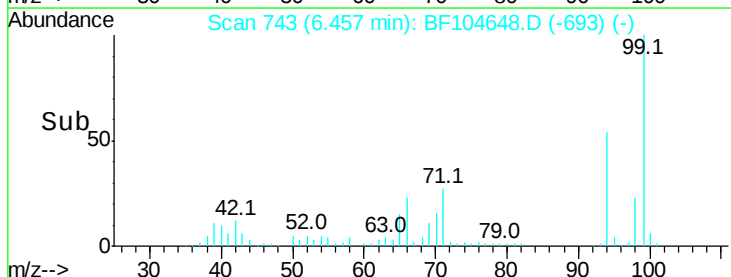
94 100

65 28.4 7.9 47.9

66 42.1 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

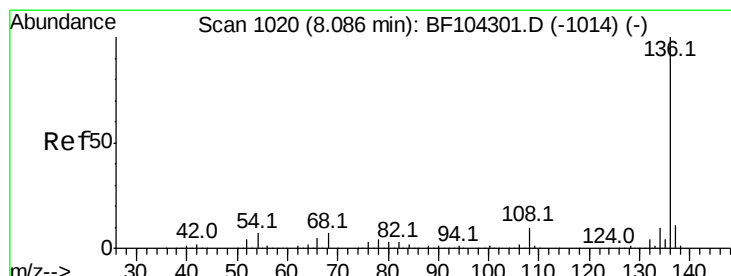
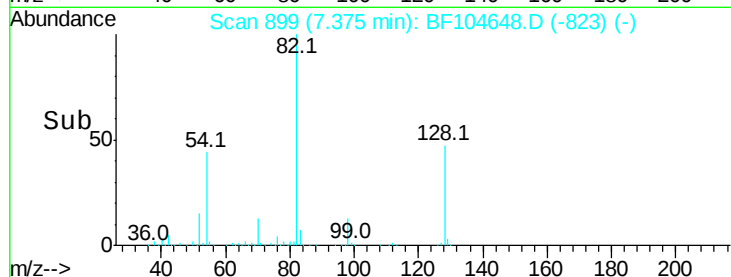
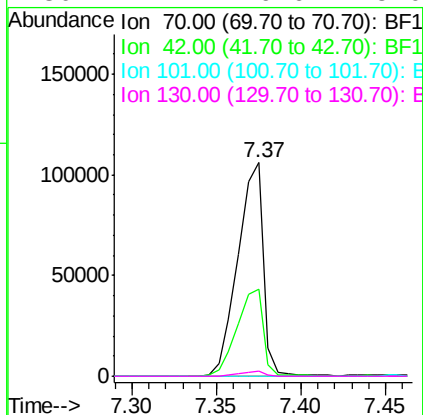
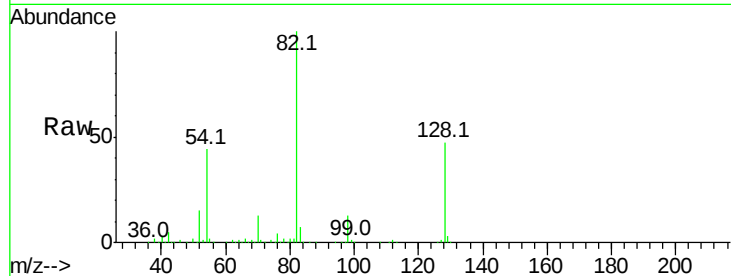




#19
n-Nitroso-di-n-propylamine
Concen: 15.304 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.15 min
Lab File: BF104648.D
Acq: 20 Apr 2018 00:16

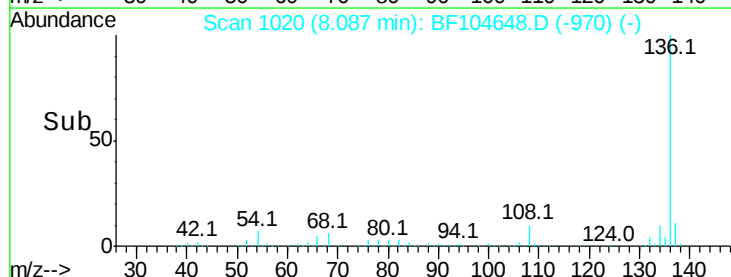
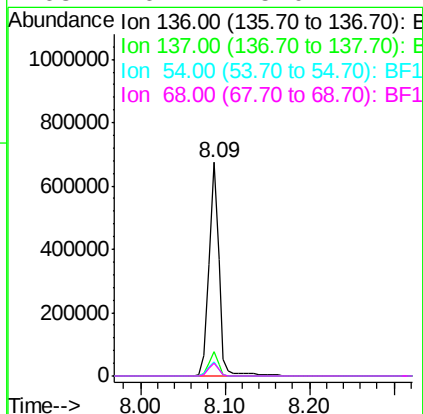
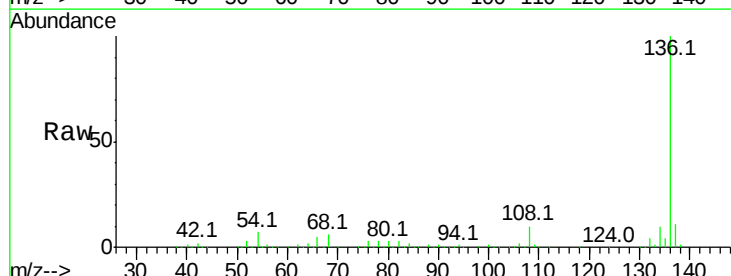
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 111849
Ion Ratio Lower Upper
70 100
42 40.8 47.5 71.3#
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104648.D
Acq: 20 Apr 2018 00:16

Tgt Ion: 136 Resp: 565154
Ion Ratio Lower Upper
136 100
137 11.4 8.9 13.3
54 6.8 6.6 9.8
68 6.2 5.0 7.4

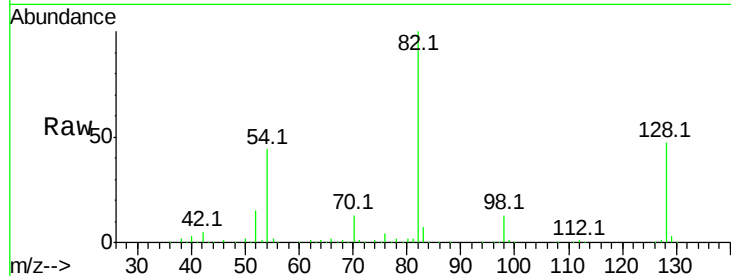




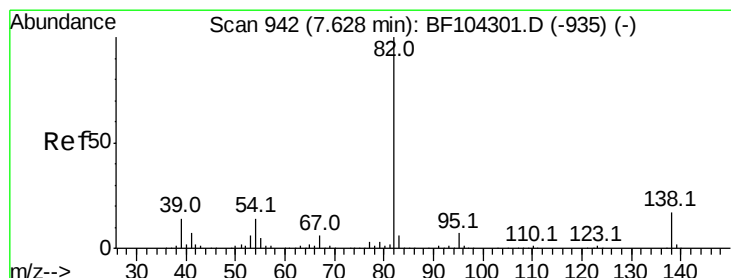
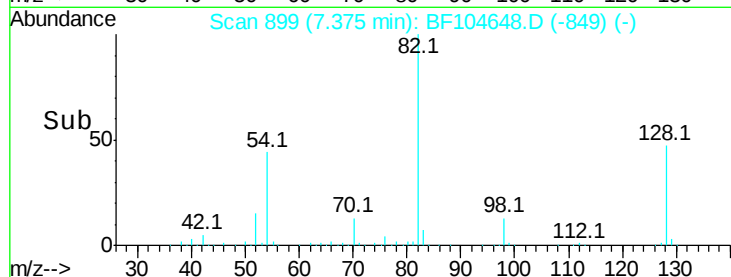
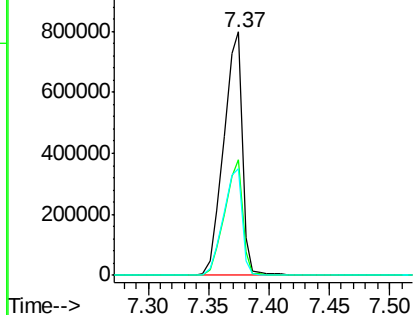
#23
Nitrobenzene-d5
Concen: 98.596 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104648.D
Acq: 20 Apr 2018 00:16

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 853350
Ion Ratio Lower Upper
82 100
128 47.4 36.1 54.1
54 43.8 41.4 62.2

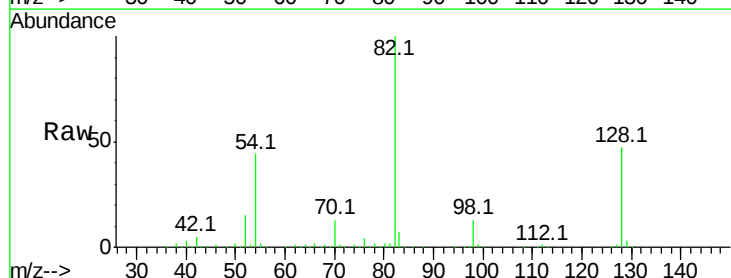


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

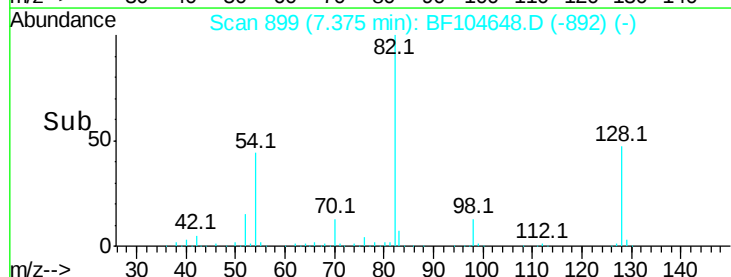
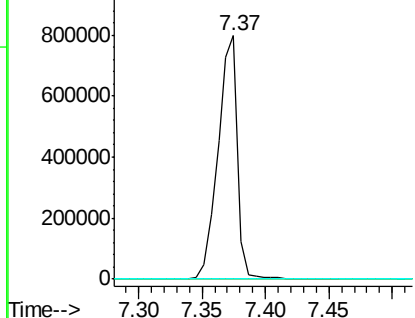


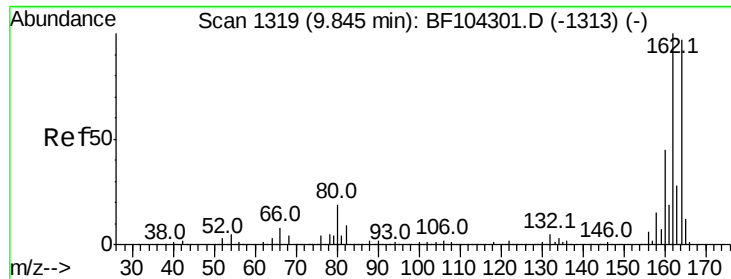
#25
Isophorone
Concen: 46.625 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.26 min
Lab File: BF104648.D
Acq: 20 Apr 2018 00:16

Tgt Ion: 82 Resp: 853345
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

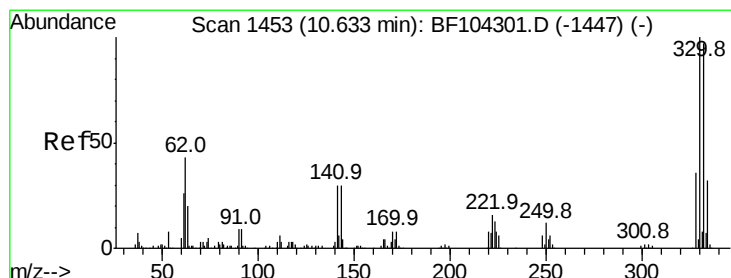
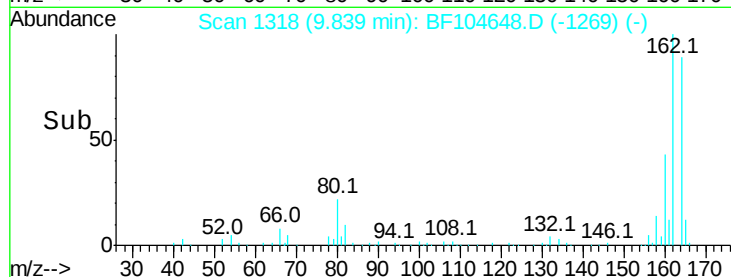
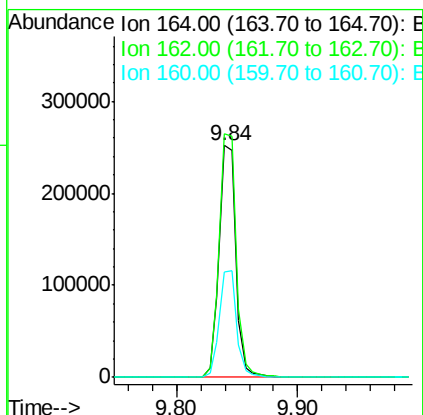
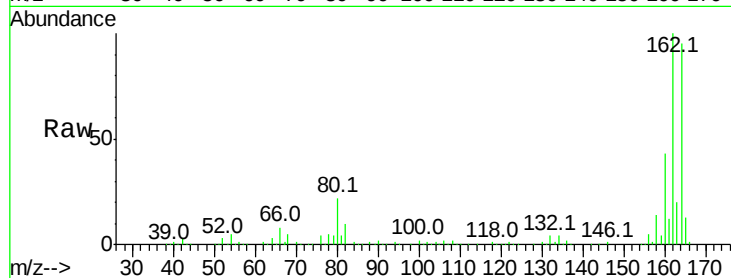




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104648.D
 Acq: 20 Apr 2018 00:16

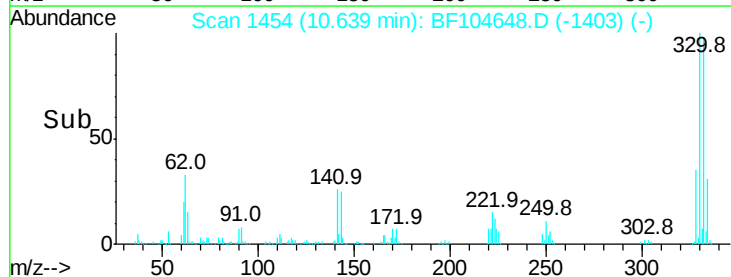
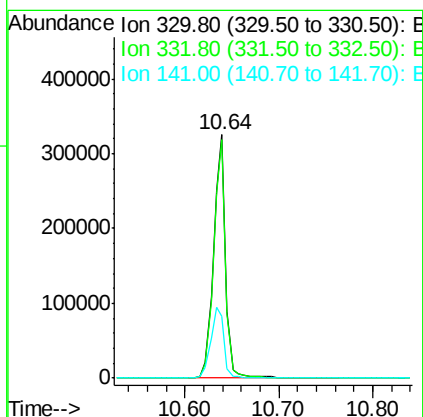
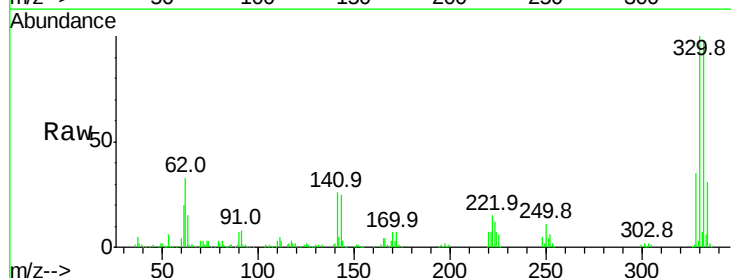
Instrument :
 BNA_F
 ClientSampleId :

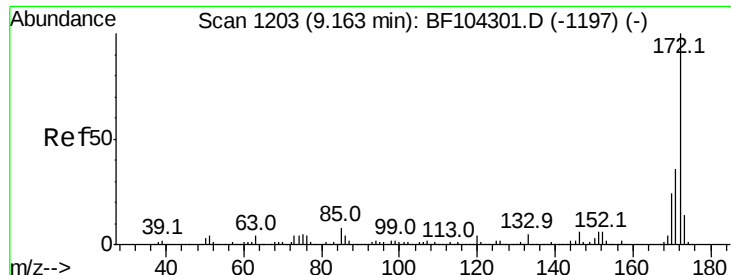
Tot Ion	Ratio	Lower	Upper
164	100		
162	105.1	86.1	129.1
160	45.3	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 117.844 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.00 min
 Lab File: BF104648.D
 Acq: 20 Apr 2018 00:16

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	32.3	29.9	44.9



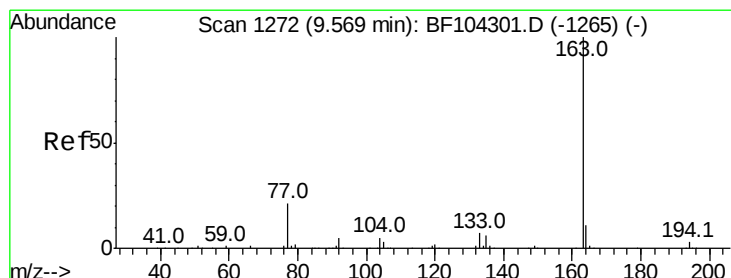
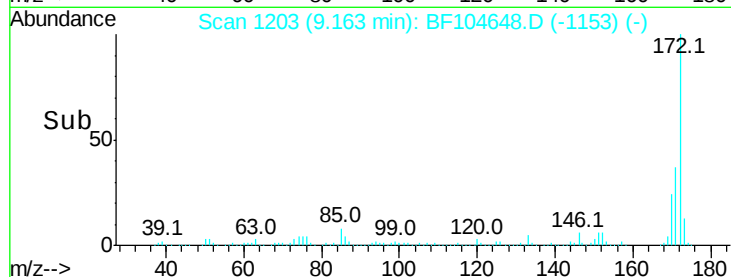
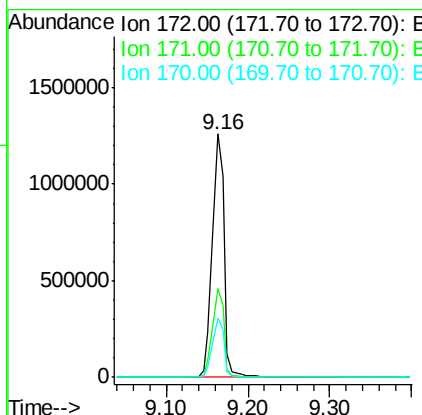
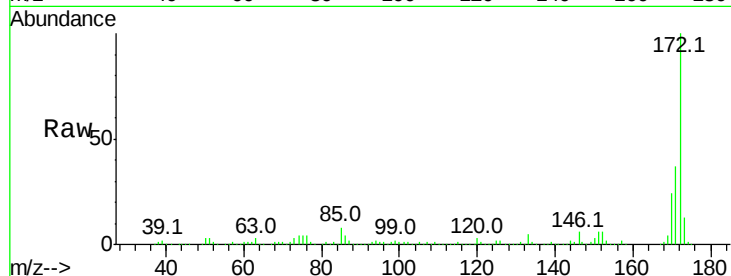


#44
 2-Fluorobiphenyl
 Concen: 82.840 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104648.D
 Acq: 20 Apr 2018 00:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1262137

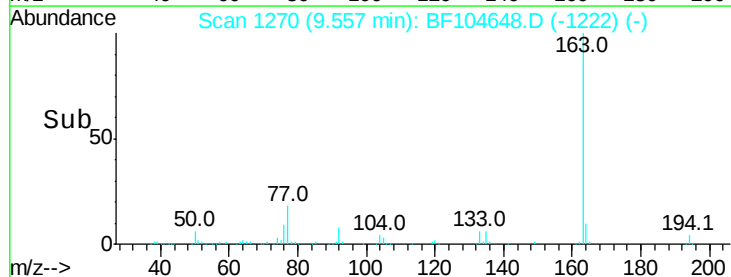
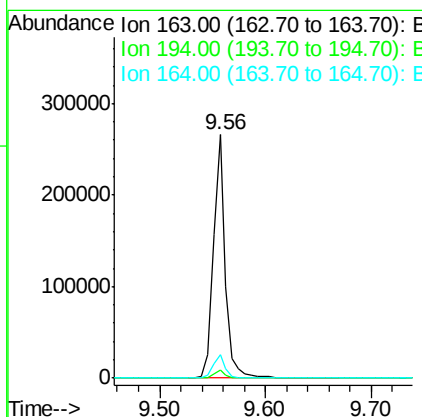
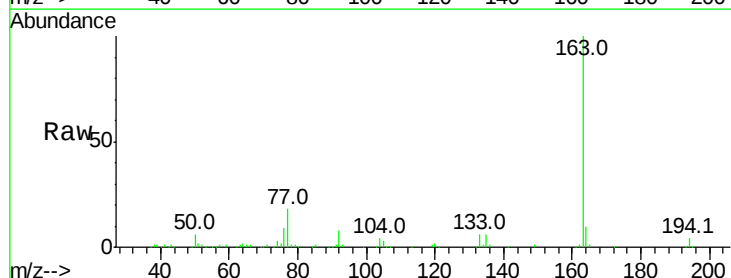
Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.2	19.6	29.4



#49
 Dimethylphthalate
 Concen: 11.167 ng
 RT: 9.56 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: BF104648.D
 Acq: 20 Apr 2018 00:16

Tgt Ion:163 Resp: 211958

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	9.5	8.2	12.2

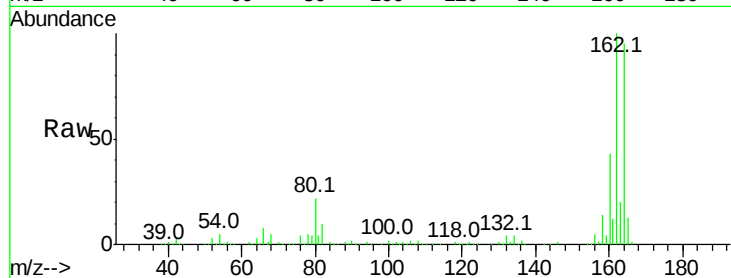




#56
 2,4-Dinitrotoluene
 Concen: 6.637 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.21 min
 Lab File: BF104648.D
 Acq: 20 Apr 2018 00:16

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

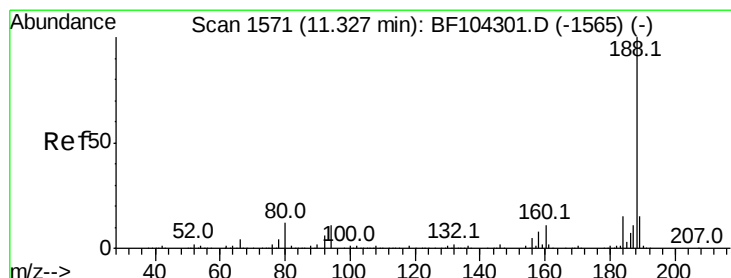
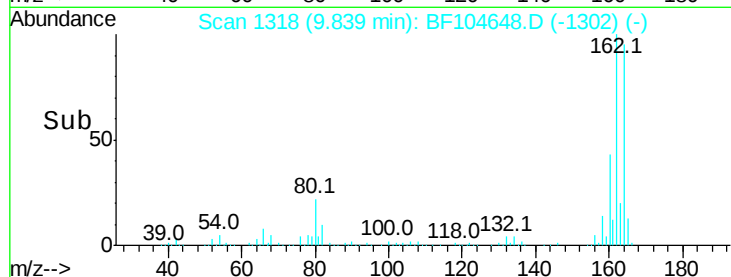
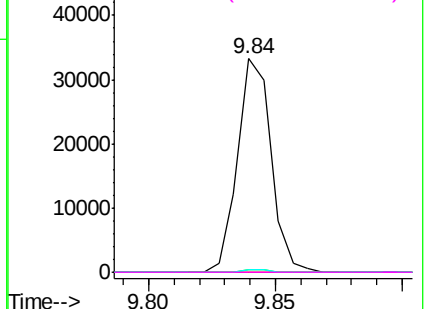


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

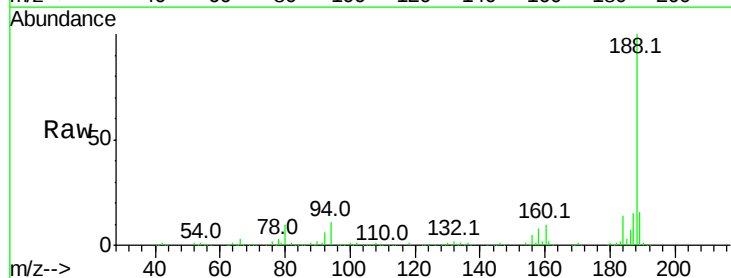
Ion 89.00 (88.70 to 89.70): BF1

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. 0.00 min
 Lab File: BF104648.D
 Acq: 20 Apr 2018 00:16

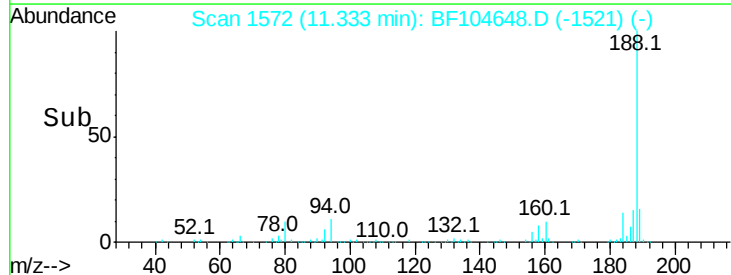
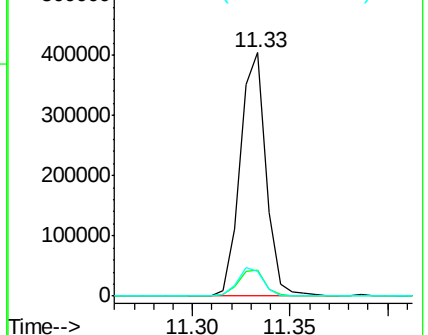
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.5	12.7
80	10.1	9.2	13.8

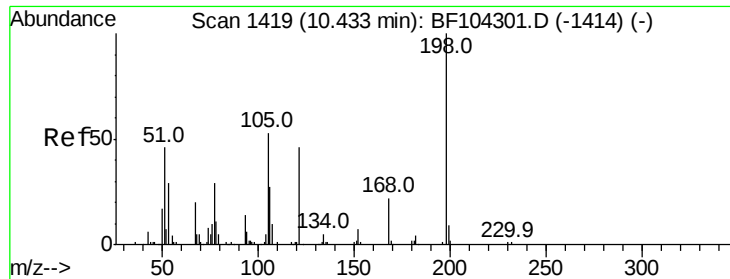


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

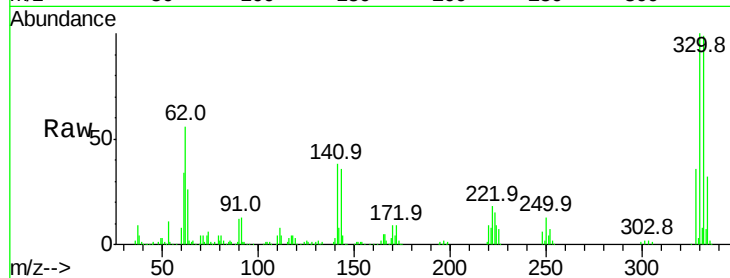




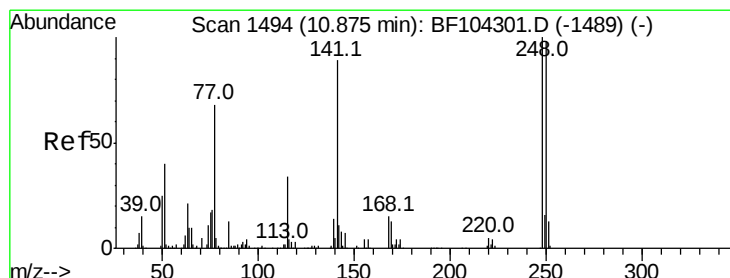
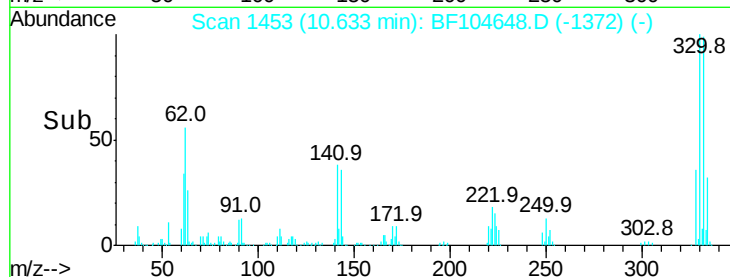
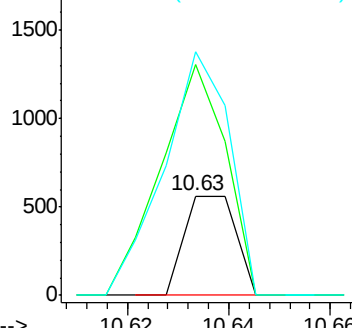
#64
4,6-Dinitro-2-methylphenol
Concen: 7.532 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF104648.D
Acq: 20 Apr 2018 00:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 395
Ion Ratio Lower Upper
198 100
51 231.4 37.7 77.7#
105 244.8 36.3 76.3#

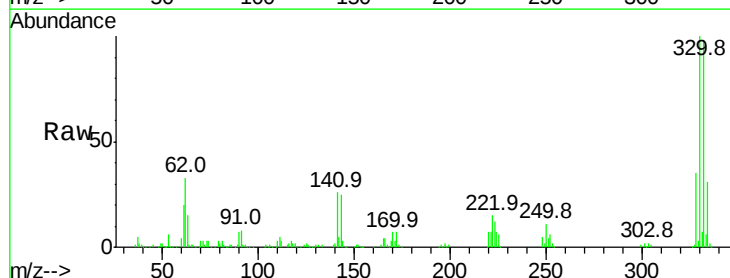


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

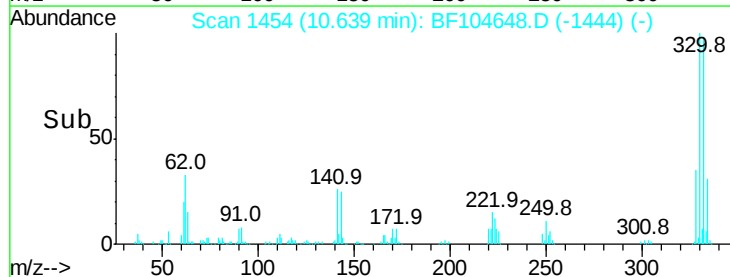
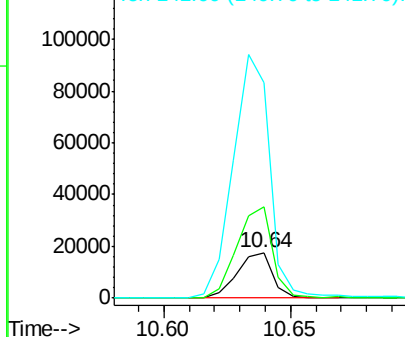


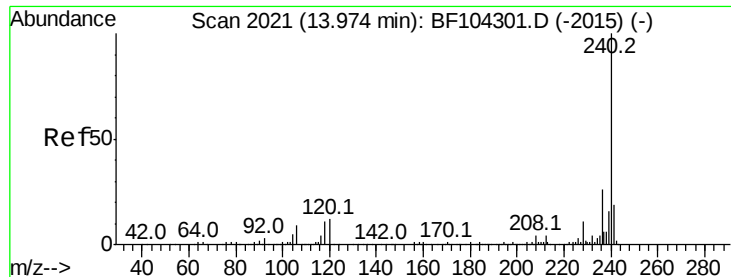
#66
4-Bromophenyl-phenylether
Concen: 4.291 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF104648.D
Acq: 20 Apr 2018 00:16

Tgt Ion:248 Resp: 16965
Ion Ratio Lower Upper
248 100
250 201.5 76.9 115.3#
141 472.7 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: BF104648.D

Acq: 20 Apr 2018 00:16

Instrument :

BNA_F

ClientSampleId :

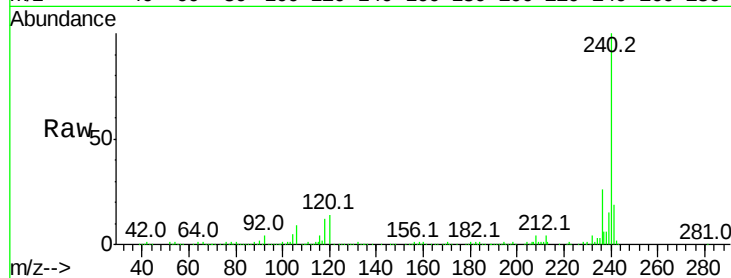
Tot Ion:240 Resp: 290904

Ion Ratio Lower Upper

240 100

120 13.6 9.5 14.3

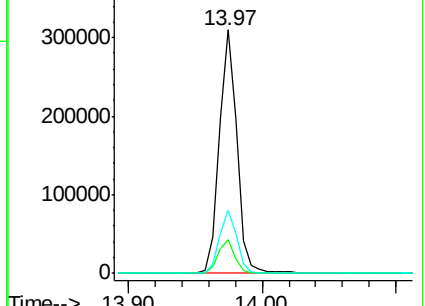
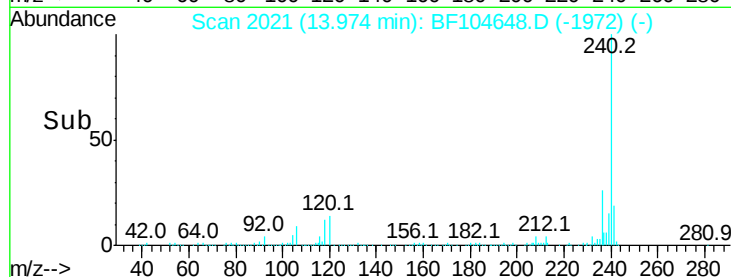
236 26.2 20.7 31.1



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



#78

Terphenyl-d14

Concen: 76.781 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF104648.D

Acq: 20 Apr 2018 00:16

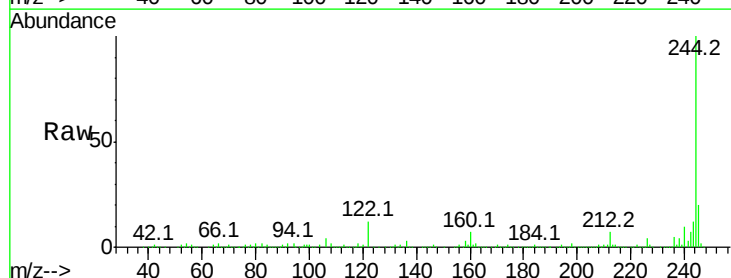
Tgt Ion:244 Resp: 979714

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

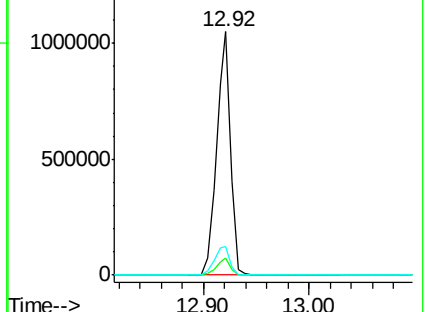
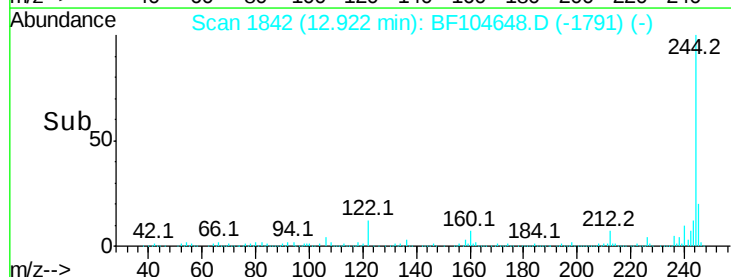
122 11.9 11.0 16.4

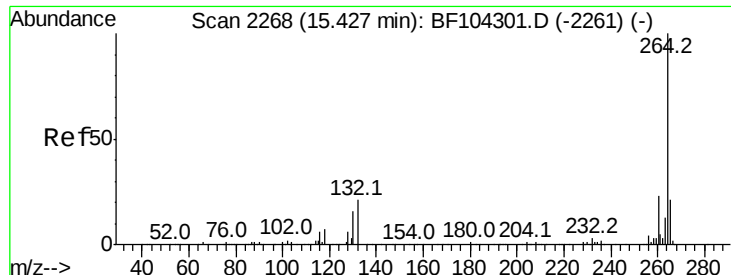


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

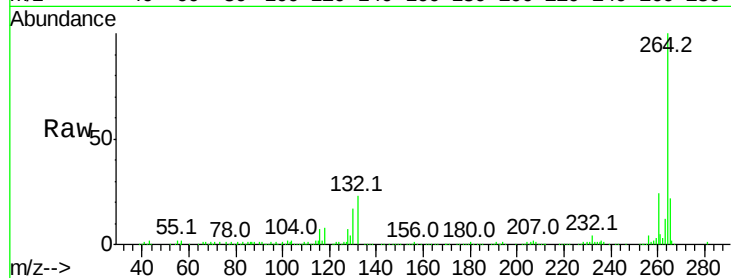




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: BF104648.D
 Acq: 20 Apr 2018 00:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.8	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

