

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041118\
 Data File : BF104441.D
 Acq On : 11 Apr 2018 16:35
 Operator : JU/SJ
 Sample : PB108147BL
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 11 18:38:35 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 11 13:19:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	143545	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	573412	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	250641	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	404342	20.00	ng	0.00
75) Chrysene-d12	13.98	240	304481	20.00	ng	0.00
86) Perylene-d12	15.44	264	294472	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	908677	96.79	ng	0.02
7) Phenol-d6	6.45	99	1087914	94.32	ng	0.00
23) Nitrobenzene-d5	7.37	82	668333	76.11	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	230964	88.83	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1153876	72.73	ng	0.00
78) Terphenyl-d14	12.93	244	913168	68.37	ng	0.00

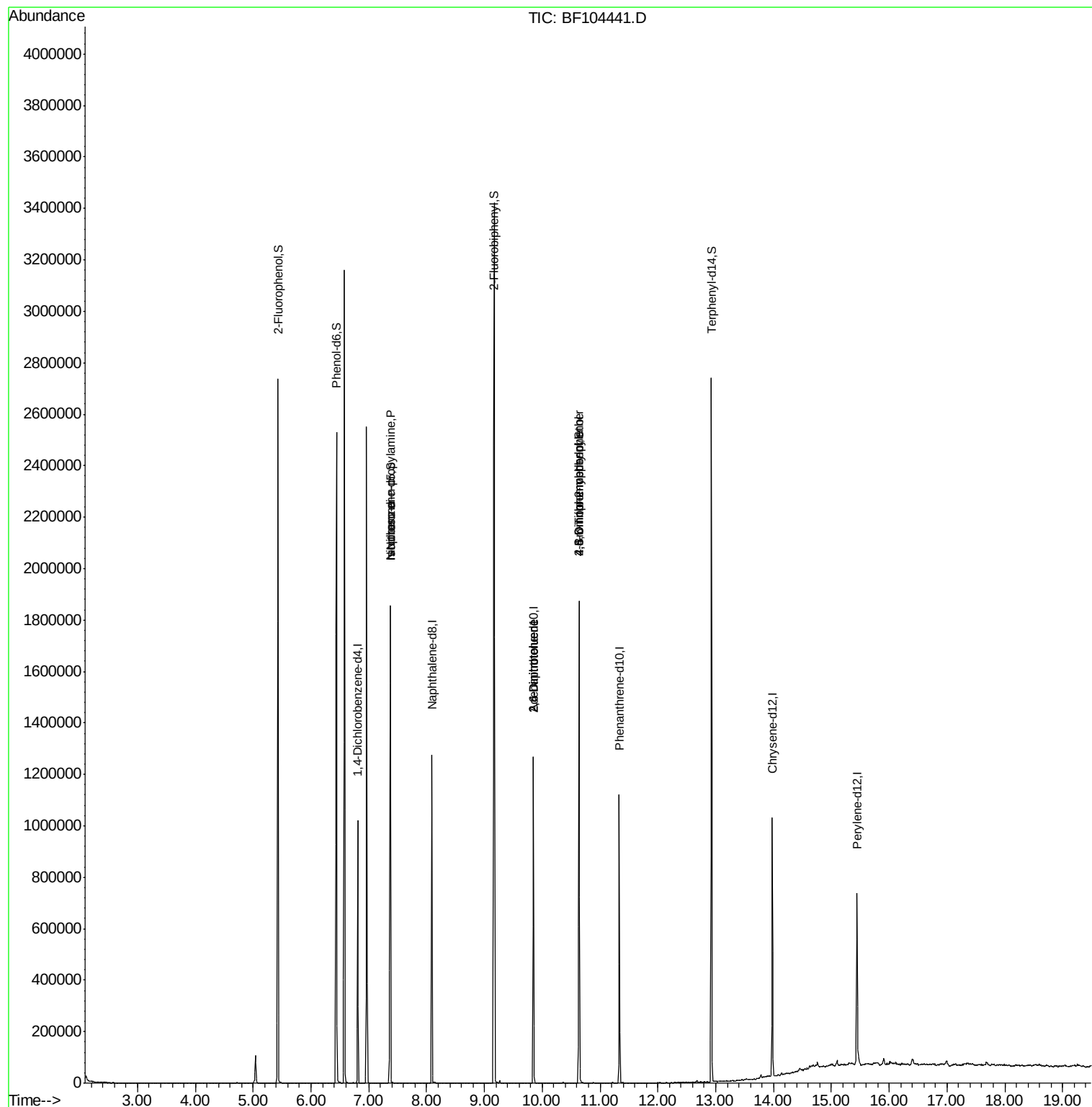
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	1427	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	87980	11.672	ng	# 72
25) Isophorone	7.37	82	665277	35.826	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	31855	8.710	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	31855	6.640	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	390	7.515	ng	# 19
66) 4-Bromophenyl-phenylether	10.64	248	14286	3.322	ng	# 1
76) Benzydine	12.67	184	4829	Below Cal	#	92

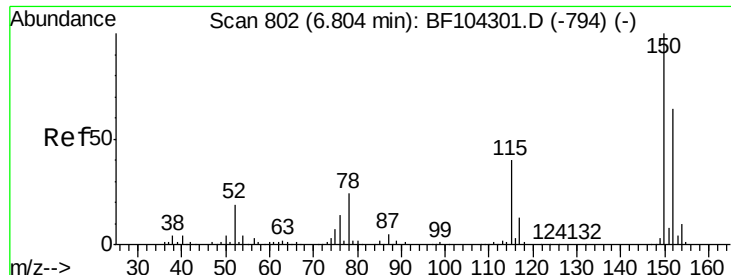
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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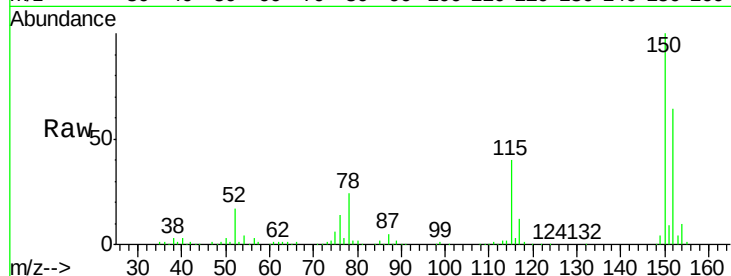


#1

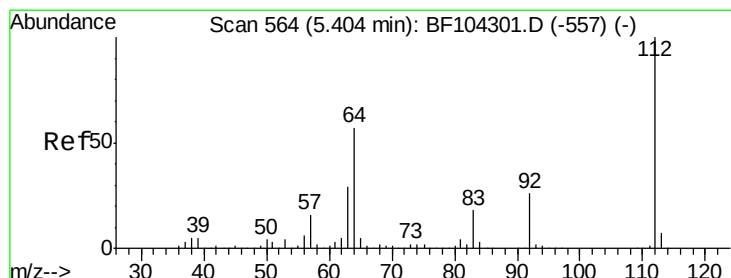
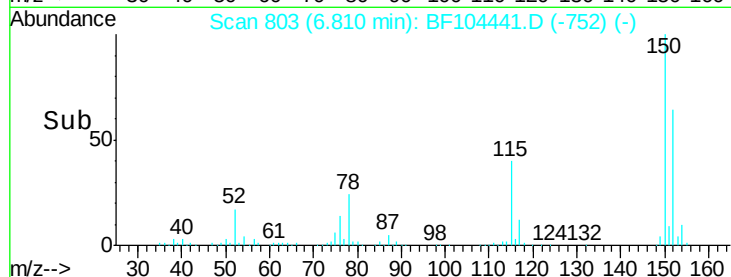
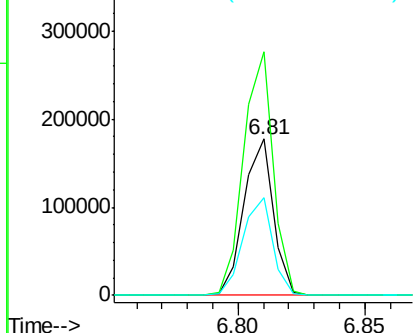
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104441.D
Acq: 11 Apr 2018 16:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 143545
Ion Ratio Lower Upper
152 100
150 155.6 124.6 186.8
115 62.6 50.1 75.1



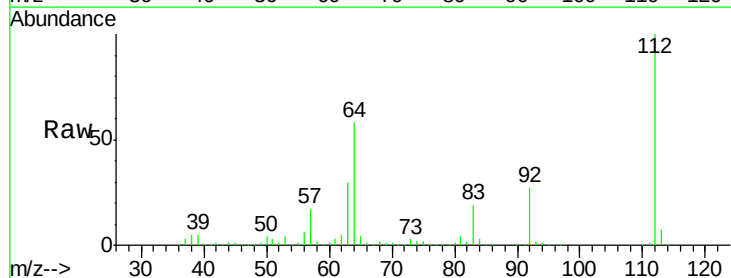
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



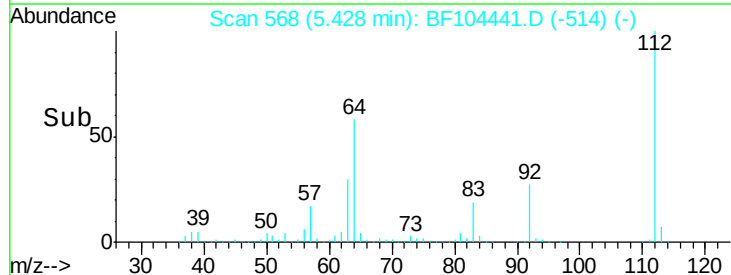
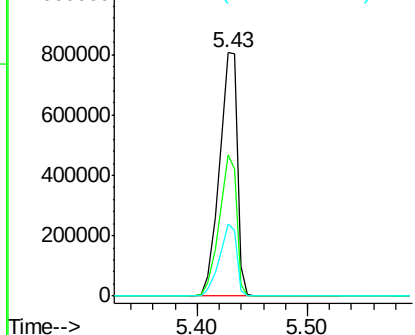
#5

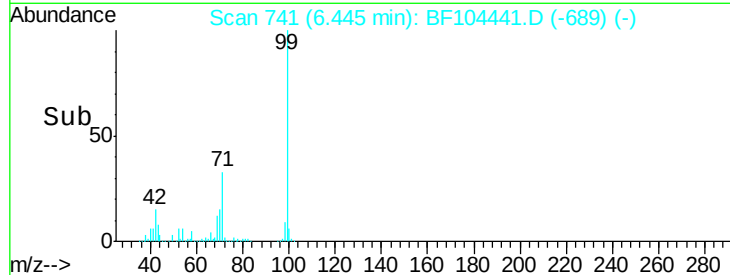
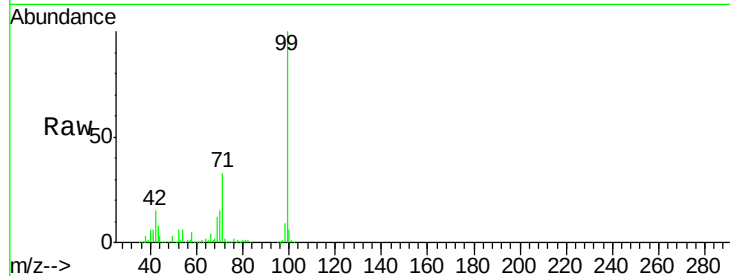
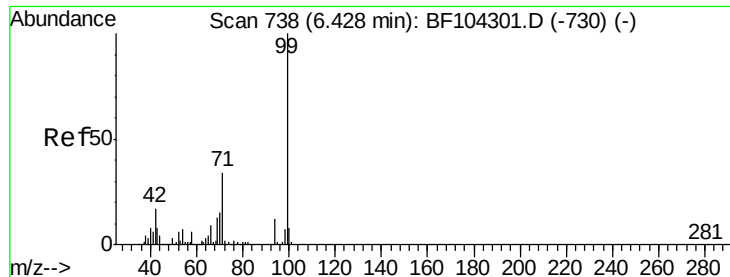
2-Fluorophenol
Concen: 96.793 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF104441.D
Acq: 11 Apr 2018 16:35

Tgt Ion:112 Resp: 908677
Ion Ratio Lower Upper
112 100
64 58.1 47.9 71.9
63 29.7 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: 94.318 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF104441.D

Acq: 11 Apr 2018 16:35

Instrument :

BNA_F

ClientSampleId :

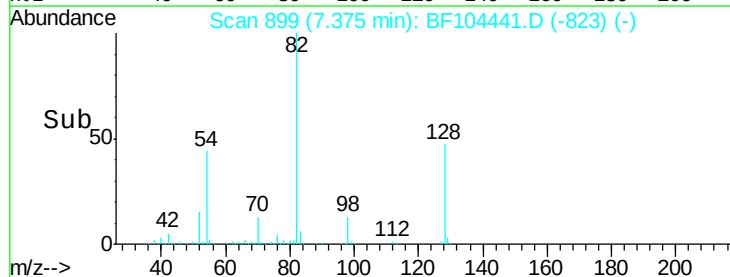
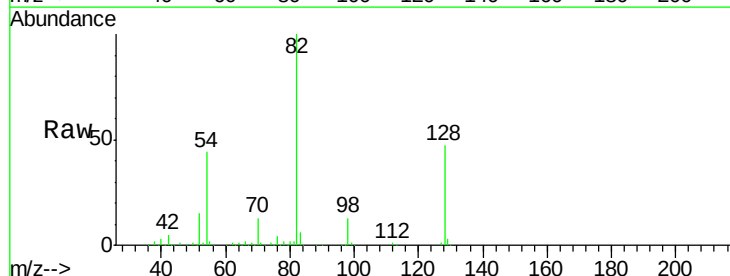
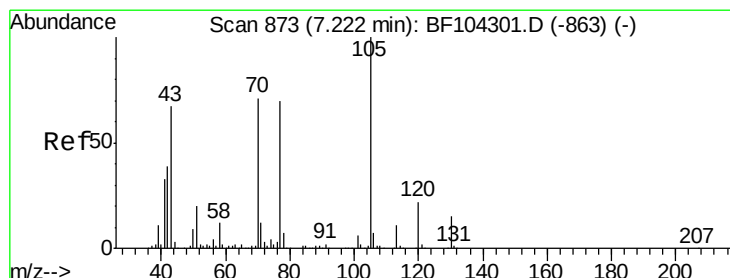
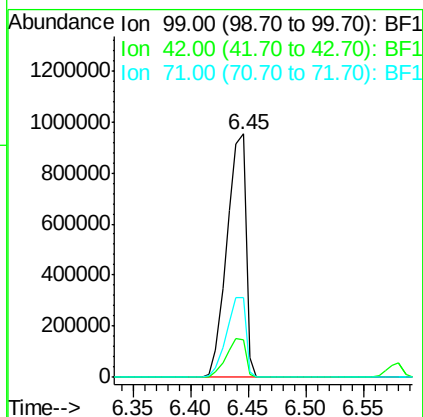
Tot Ion: 99 Resp: 1087914

Ion Ratio Lower Upper

99 100

42 15.5 14.5 21.7

71 32.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.672 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104441.D

Acq: 11 Apr 2018 16:35

Tgt Ion: 70 Resp: 87980

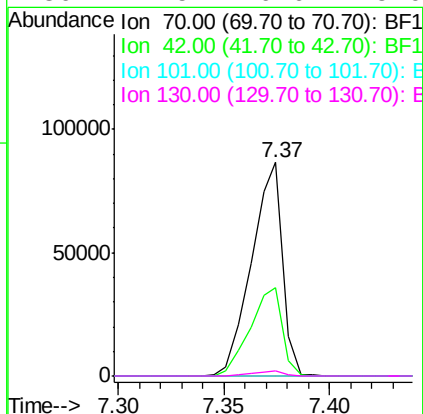
Ion Ratio Lower Upper

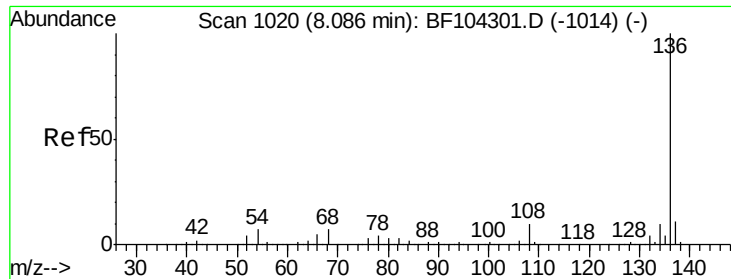
70 100

42 41.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

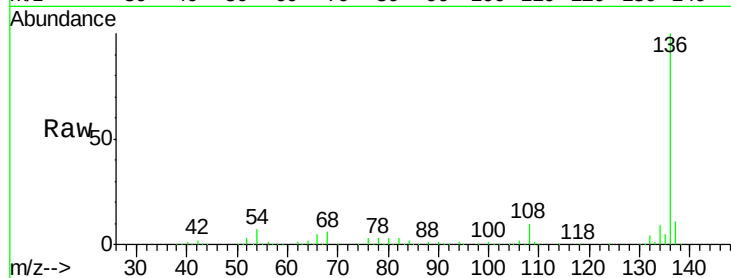




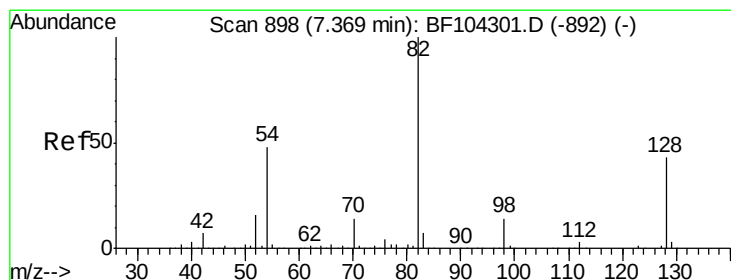
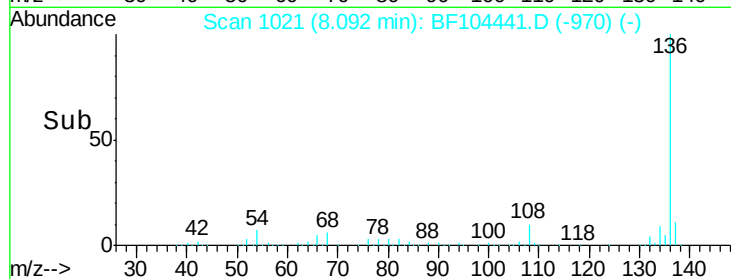
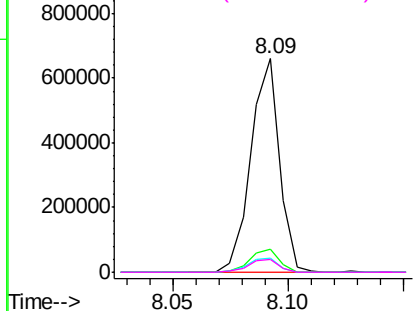
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF104441.D
Acq: 11 Apr 2018 16:35

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	573412
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.9 13.3
54	6.7	6.6 9.8
68	5.7	5.0 7.4

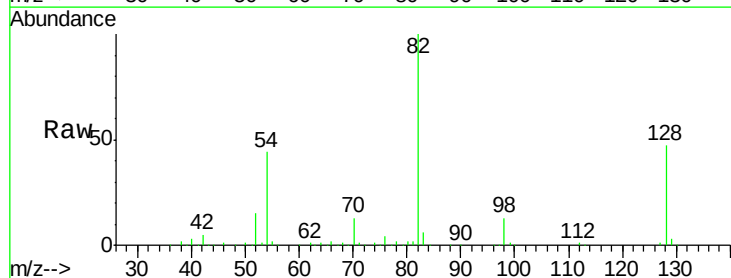


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

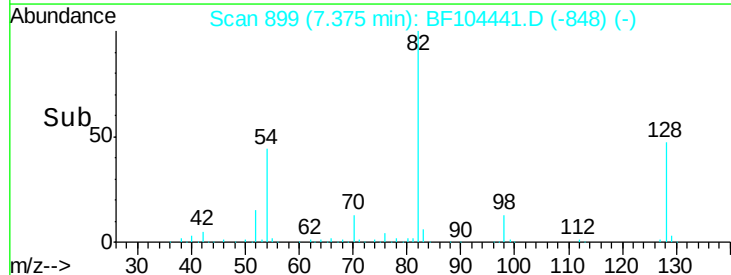
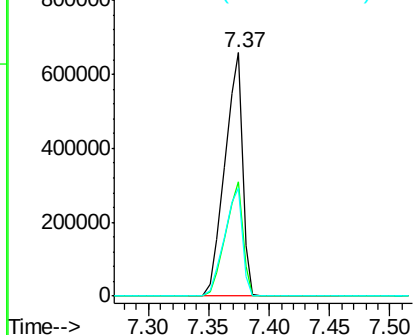


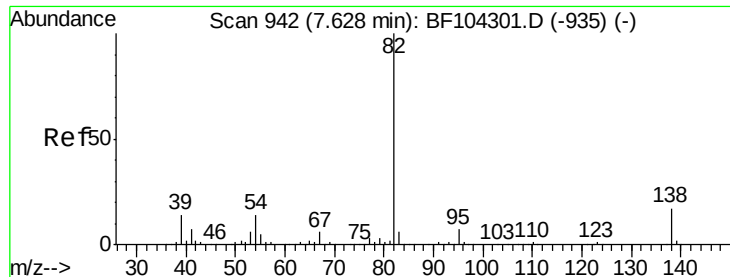
#23
Nitrobenzene-d5
Concen: 76.107 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.00 min
Lab File: BF104441.D
Acq: 11 Apr 2018 16:35

Tgt Ion: 82	Resp:	668333
Ion Ratio	Lower	Upper
82	100	
128	47.0	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): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.826 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104441.D

Acq: 11 Apr 2018 16:35

Instrument :

BNA_F

ClientSampleId :

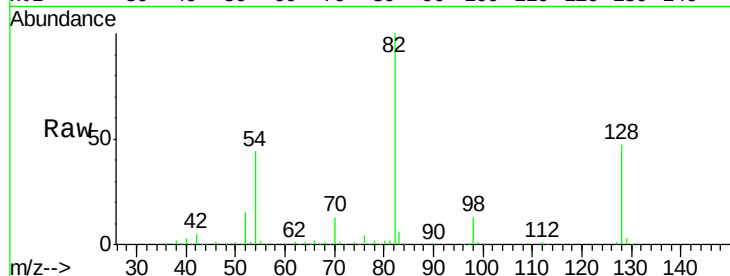
Tot Ion: 82 Resp: 665277

Ion Ratio Lower Upper

82 100

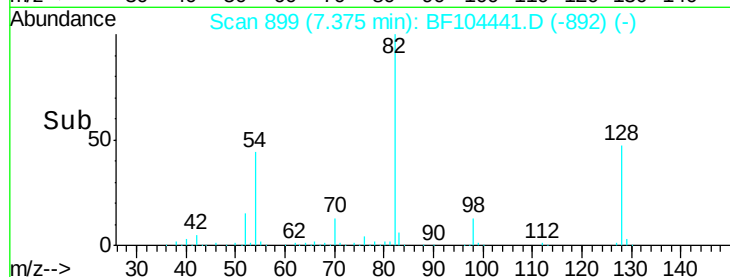
95 0.0 5.2 7.8#

138 0.0 14.9 22.3#

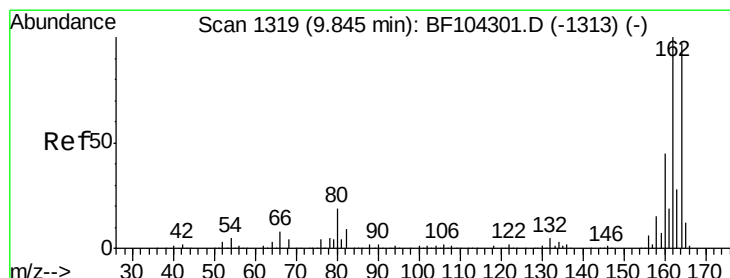


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

7.37



Time--> 7.30 7.35 7.40 7.45



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF104441.D

Acq: 11 Apr 2018 16:35

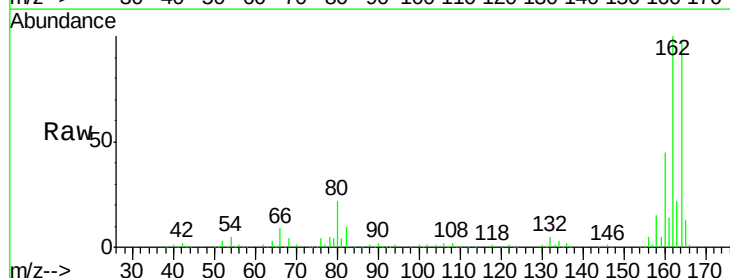
Tgt Ion: 164 Resp: 250641

Ion Ratio Lower Upper

164 100

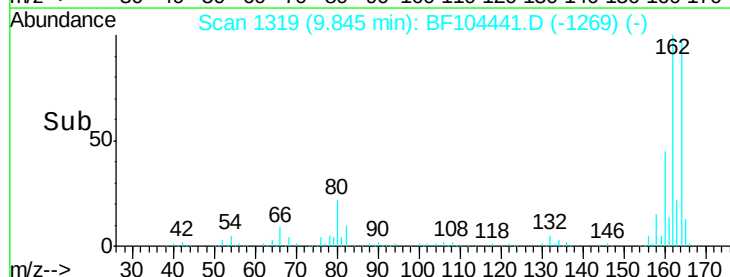
162 103.2 86.1 129.1

160 46.0 38.3 57.5

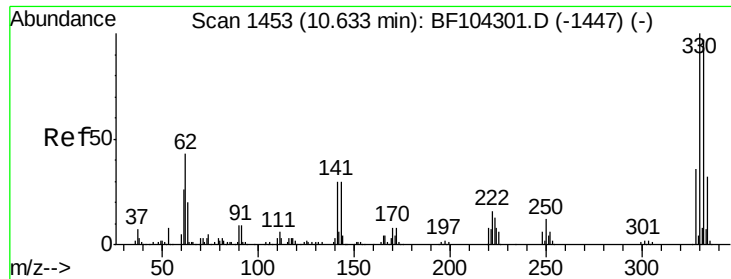


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

9.85



Time--> 9.80 9.85 9.90



#41

2,4,6-Tribromophenol

Concen: 88.833 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.00 min

Lab File: BF104441.D

Acq: 11 Apr 2018 16:35

Instrument :

BNA_F

ClientSampleId :

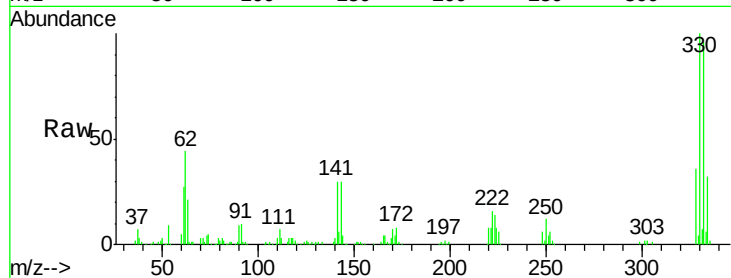
Tot Ion:330 Resp: 230964

Ion Ratio Lower Upper

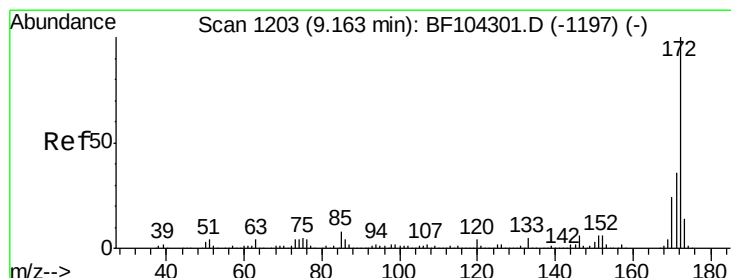
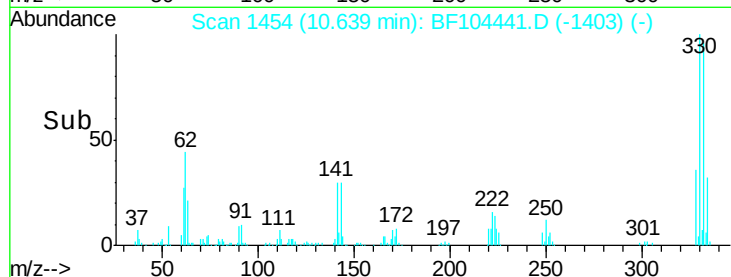
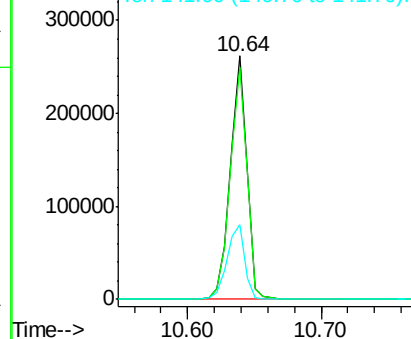
330 100

332 97.2 77.0 115.6

141 32.6 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: 72.727 ng

RT: 9.17 min Scan# 1204

Delta R.T. 0.00 min

Lab File: BF104441.D

Acq: 11 Apr 2018 16:35

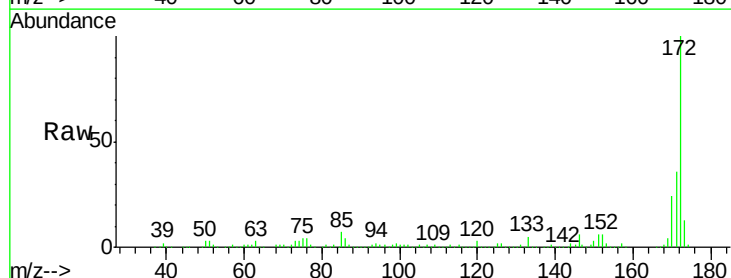
Tgt Ion:172 Resp: 1153876

Ion Ratio Lower Upper

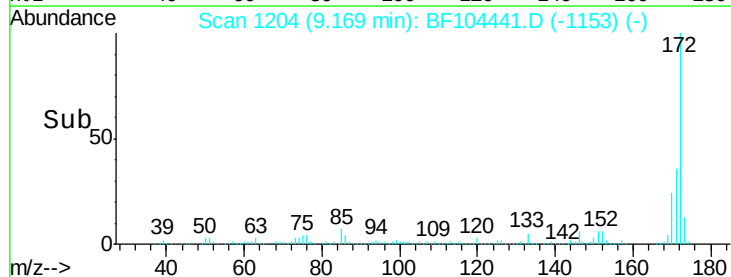
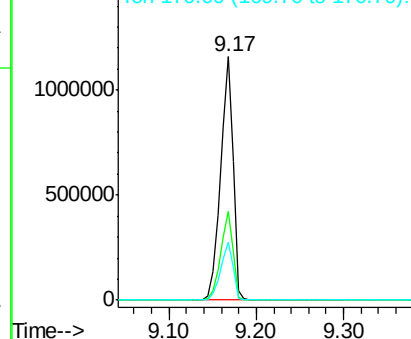
172 100

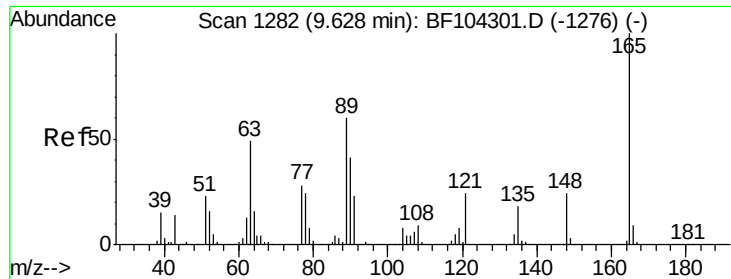
171 36.5 29.7 44.5

170 24.0 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

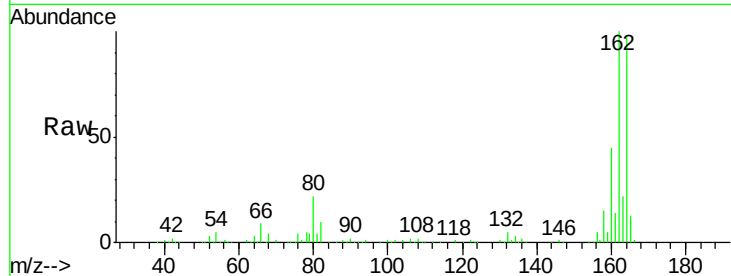




#50
 2,6-Dinitrotoluene
 Concen: 8.710 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF104441.D
 Acq: 11 Apr 2018 16:35

Instrument :
 BNA_F
 ClientSampleId :

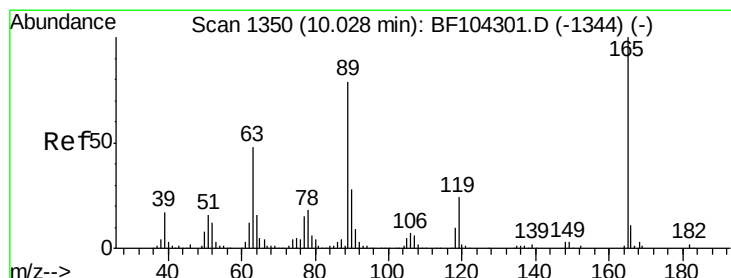
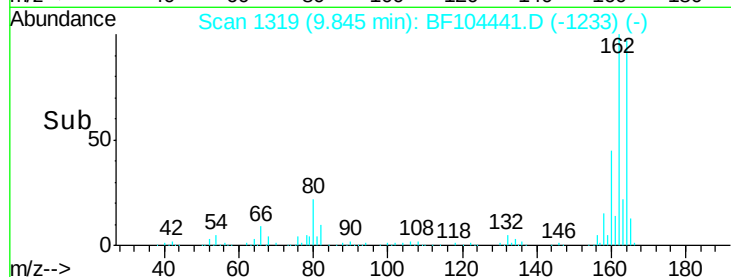
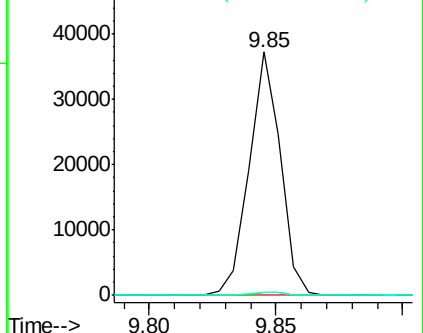
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	44.7	67.1#
89	1.3	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

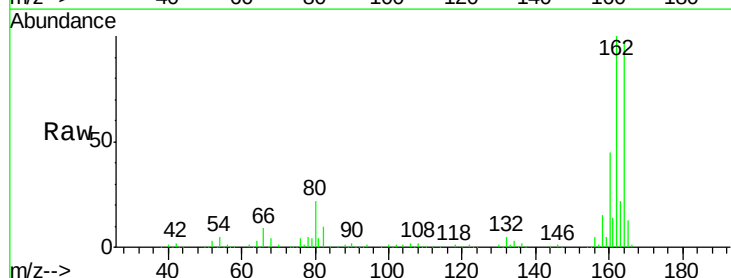
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56
 2,4-Dinitrotoluene
 Concen: 6.640 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.19 min
 Lab File: BF104441.D
 Acq: 11 Apr 2018 16:35

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

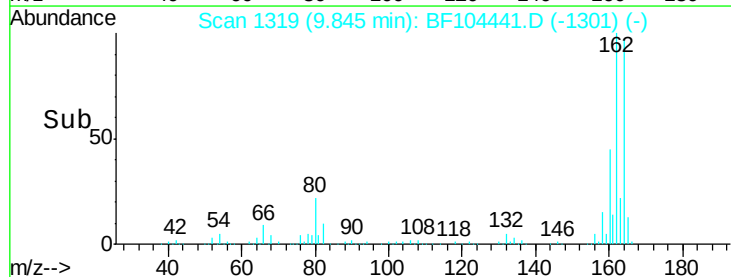
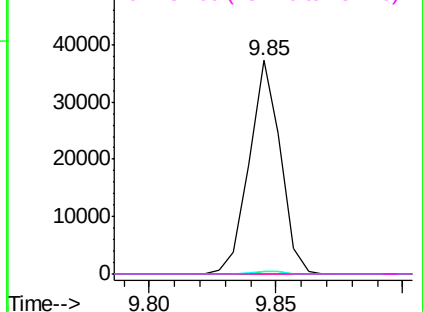


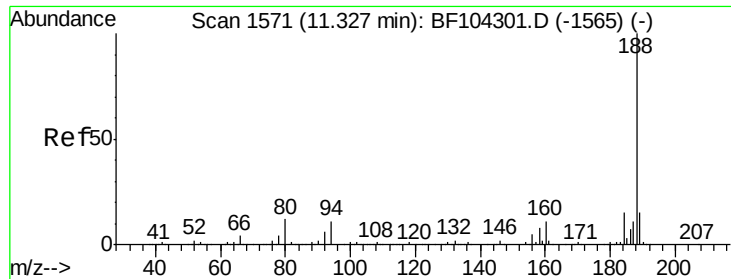
Abundance Ion 165.00 (164.70 to 165.70): E

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

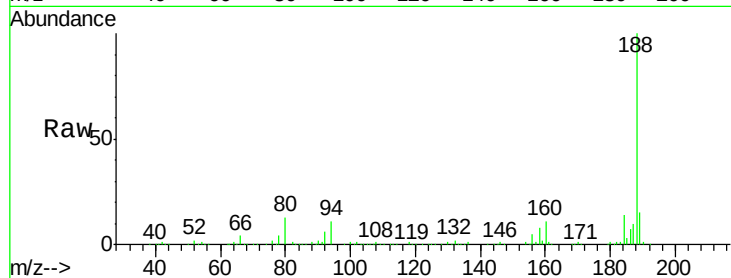




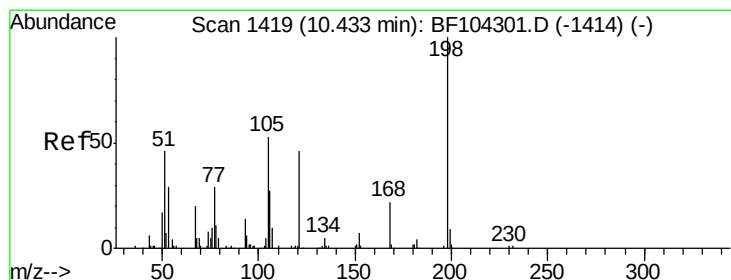
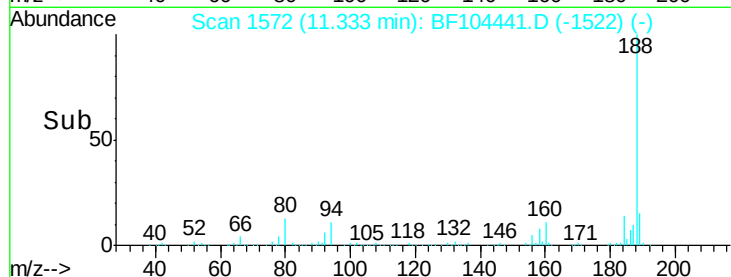
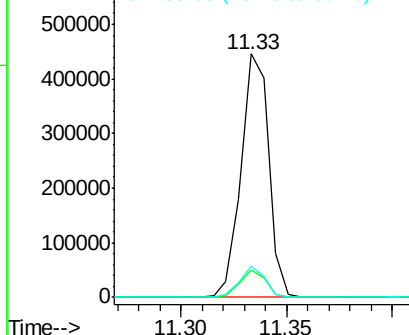
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF104441.D
 Acq: 11 Apr 2018 16:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 404342
 Ion Ratio Lower Upper
 188 100
 94 11.3 8.5 12.7
 80 12.7 9.2 13.8

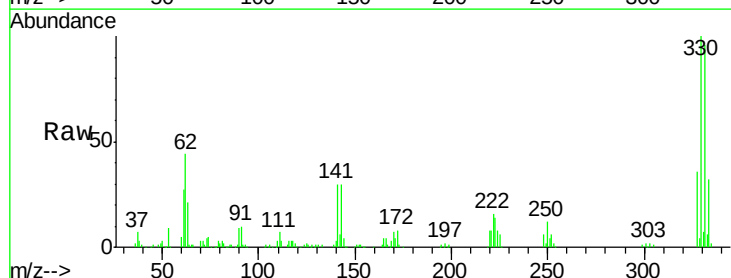


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

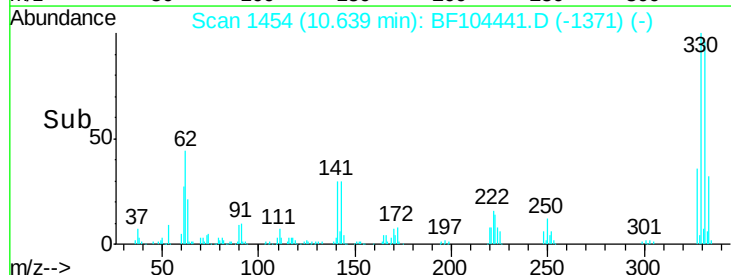
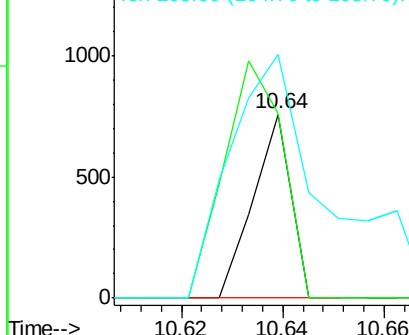


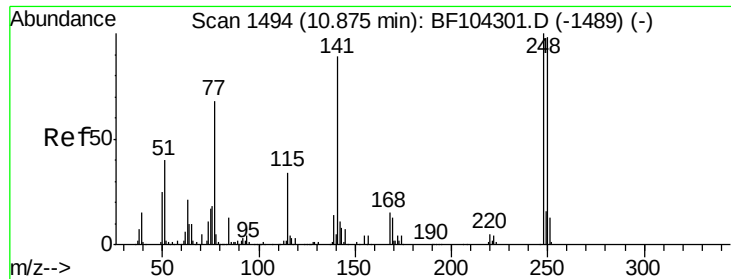
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.515 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.19 min
 Lab File: BF104441.D
 Acq: 11 Apr 2018 16:35

Tgt Ion:198 Resp: 390
 Ion Ratio Lower Upper
 198 100
 51 100.3 37.7 77.7#
 105 132.6 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

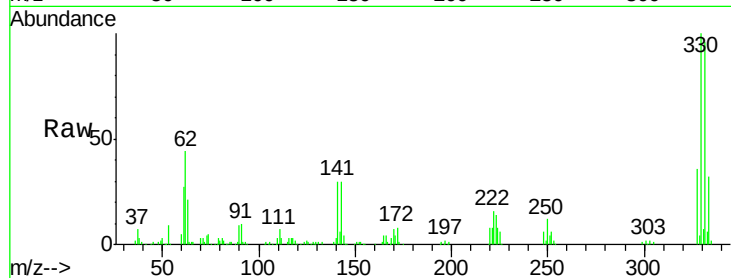




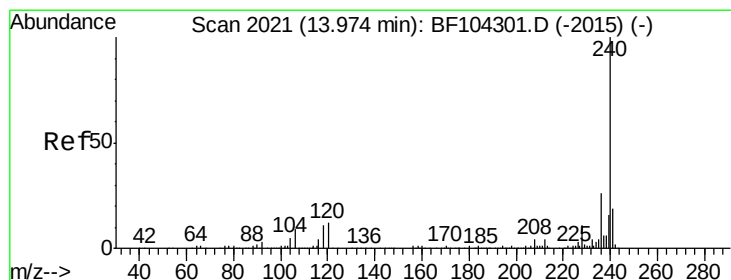
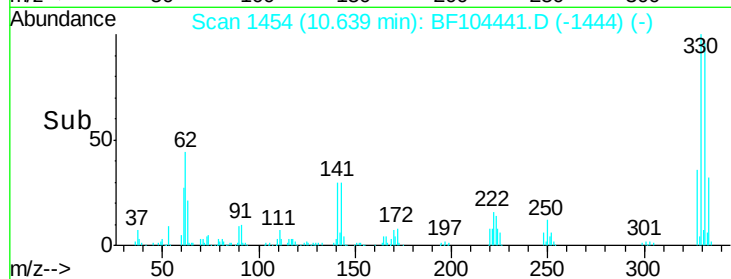
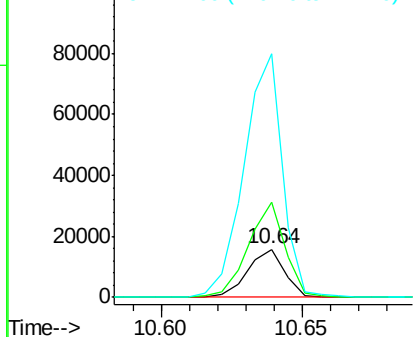
#66
4-Bromophenyl-phenylether
Concen: 3.322 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF104441.D
Acq: 11 Apr 2018 16:35

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 14286
Ion Ratio Lower Upper
248 100
250 195.6 76.9 115.3#
141 503.6 74.4 111.6#

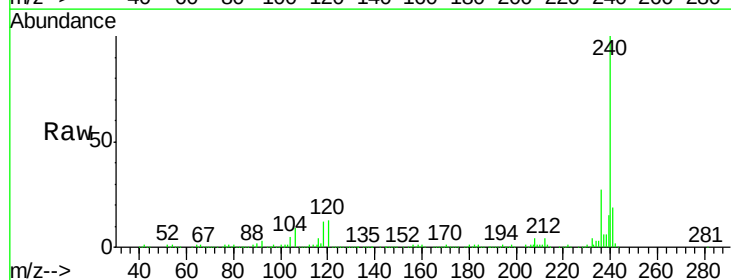


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

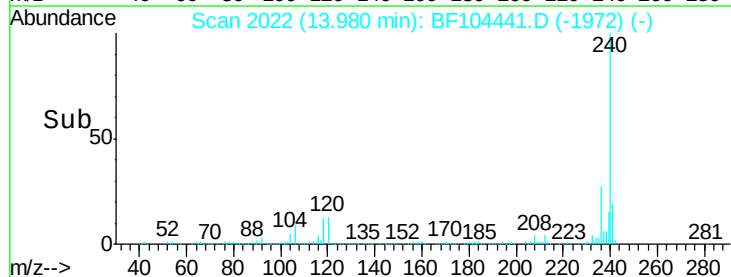
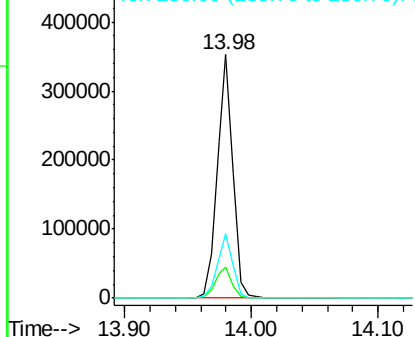


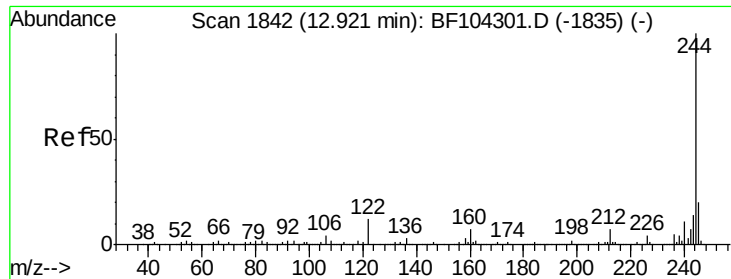
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF104441.D
Acq: 11 Apr 2018 16:35

Tgt Ion:240 Resp: 304481
Ion Ratio Lower Upper
240 100
120 12.9 9.5 14.3
236 26.7 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

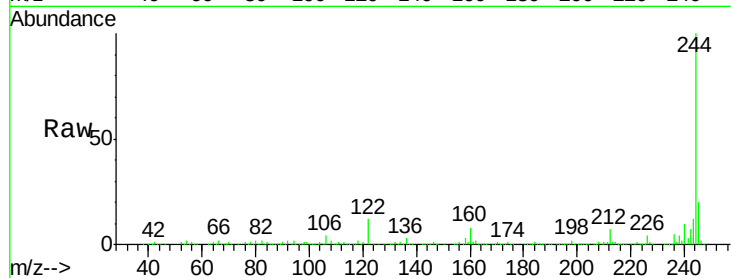




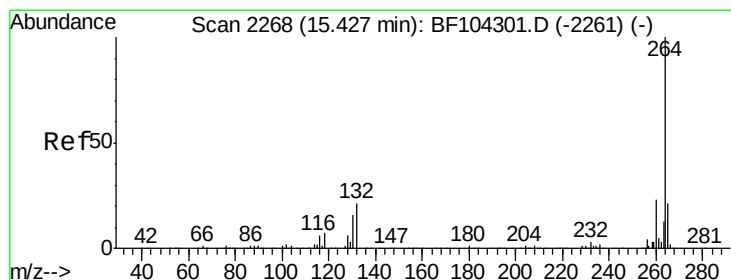
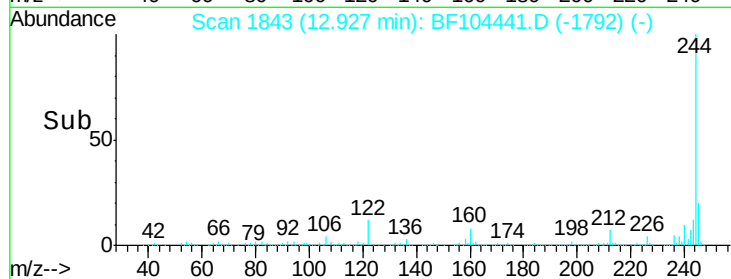
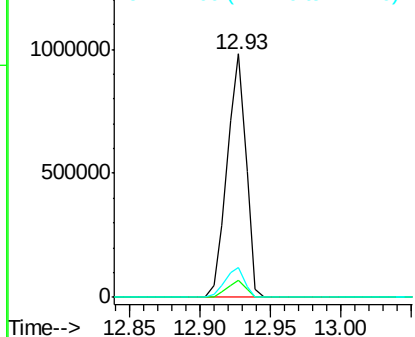
#78
 Terphenyl-d14
 Concen: 68.374 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: BF104441.D
 Acq: 11 Apr 2018 16:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 913168
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 12.5 11.0 16.4

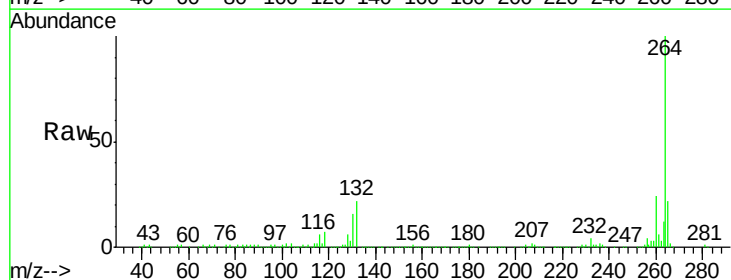


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: BF104441.D
 Acq: 11 Apr 2018 16:35

Tgt Ion:264 Resp: 294472
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 21.7 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

