

Data Path : Z:\HPCHEM1\BNA F\Data\BF021517\
 Data File : BF092951.D
 Acq On : 15 Feb 2017 15:24
 Operator : SJ/MA
 Sample : PB96964BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 15 15:51:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 13 18:04:38 2017
 Response via : Initial Calibration

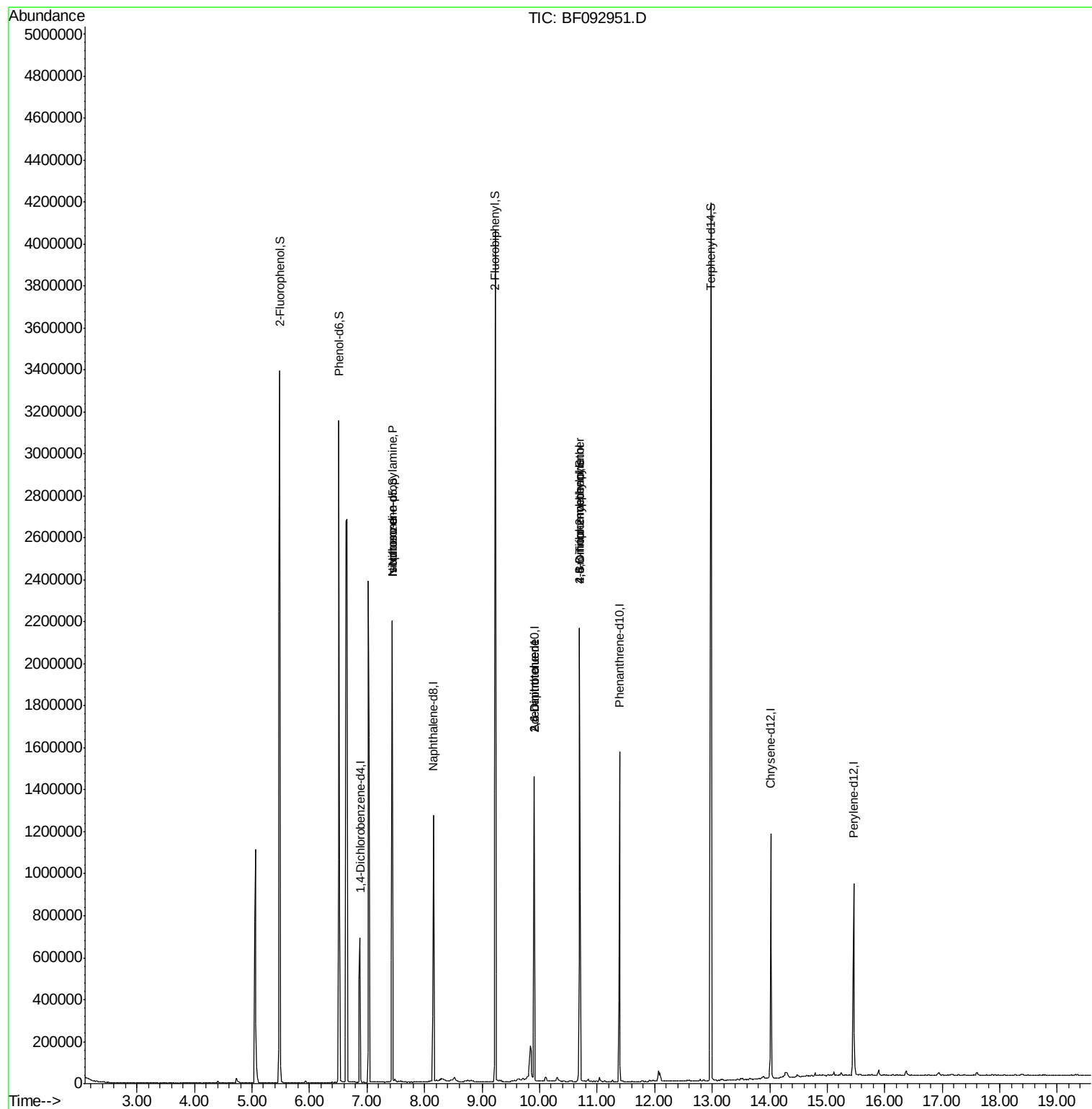
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	138630	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	560019	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	305695	20.00	ng	-0.02
63) Phenanthrene-d10	11.39	188	555220	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	471671	20.00	ng	-0.03
86) Perylene-d12	15.46	264	414449	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1139780	141.05	ng	0.00
7) Phenol-d6	6.51	99	1237563	119.03	ng	-0.02
23) Nitrobenzene-d5	7.44	82	767074	76.28	ng	-0.02
41) 2,4,6-Tribromophenol	10.69	330	316468	143.14	ng	-0.02
44) 2-Fluorobiphenyl	9.23	172	1395928	82.73	ng	-0.01
78) Terphenyl-d14	12.98	244	1446450	72.06	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	100453	15.18	ng	# 82
25) Isophorone	7.44	82	628957	33.56	ng	# 65
50) 2,6-Dinitrotoluene	9.90	165	39347	8.85	ng	# 31
56) 2,4-Dinitrotoluene	9.90	165	39350	6.65	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.69	198	398	2.78	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	21495	3.71	ng	# 1

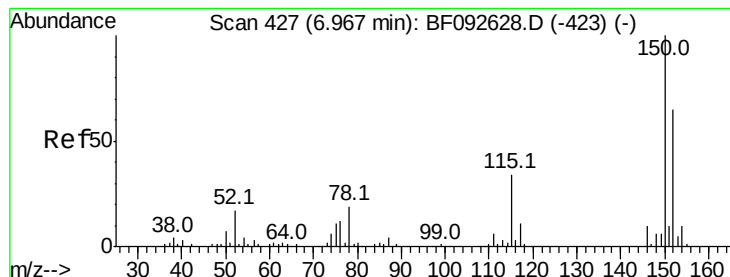
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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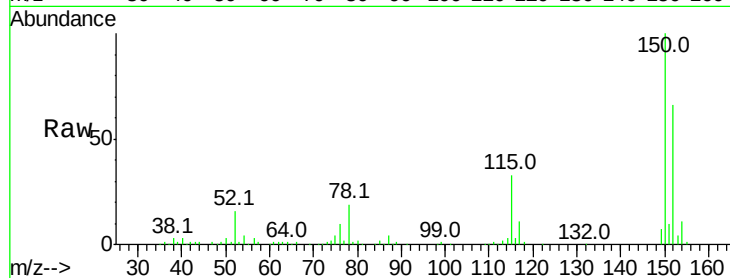


#1

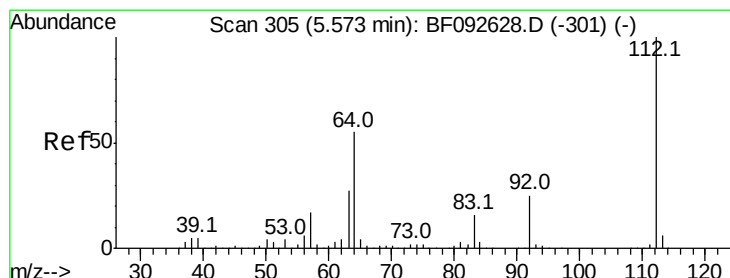
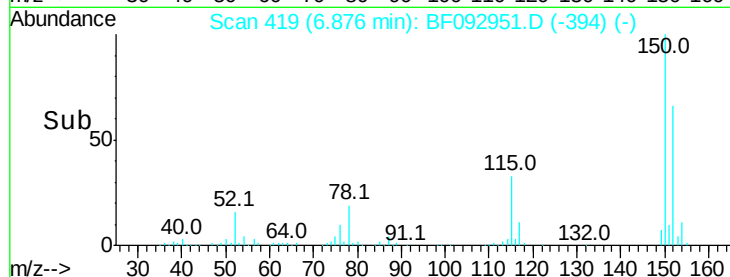
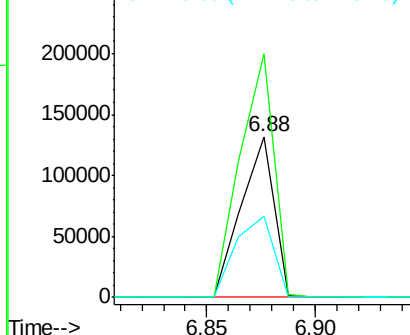
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 419
Delta R.T. -0.01 min
Lab File: BF092951.D
Acq: 15 Feb 2017 15:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 138630
Ion Ratio Lower Upper
152 100
150 151.6 124.9 187.3
115 50.2 46.0 69.0



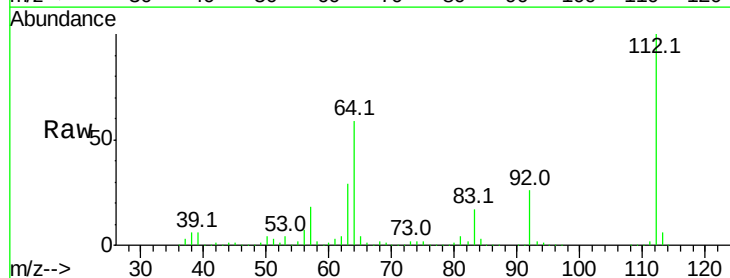
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



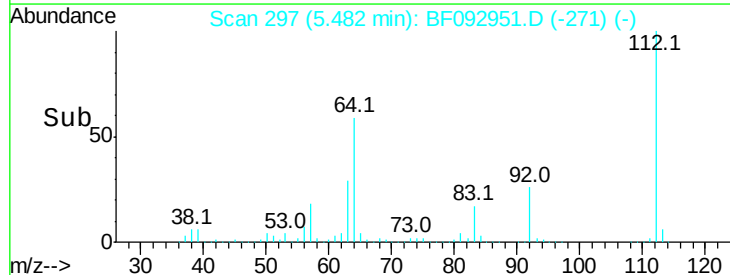
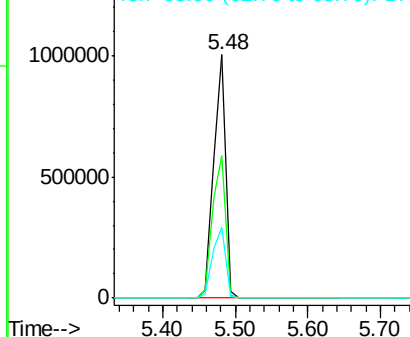
#5

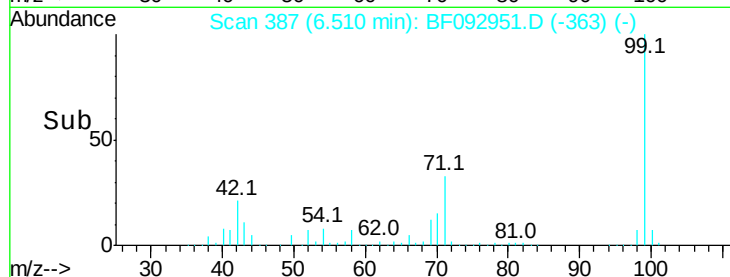
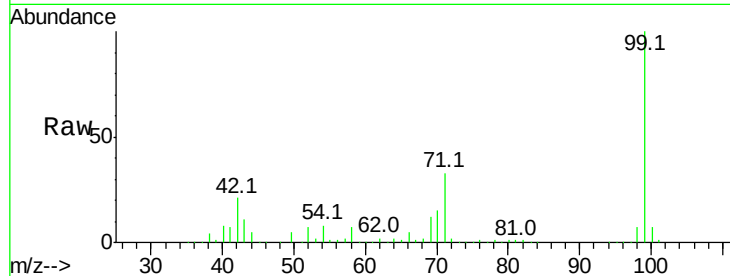
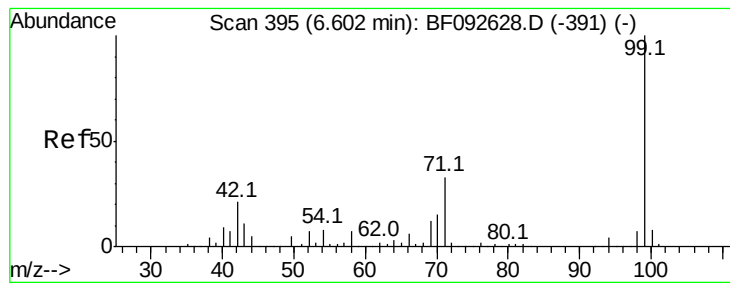
2-Fluorophenol
Concen: 141.05 ng
RT: 5.48 min Scan# 297
Delta R.T. 0.00 min
Lab File: BF092951.D
Acq: 15 Feb 2017 15:24

Tgt Ion:112 Resp: 1139780
Ion Ratio Lower Upper
112 100
64 58.8 46.1 69.1
63 29.3 23.8 35.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 119.03 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF092951.D

Acq: 15 Feb 2017 15:24

Instrument :

BNA_F

ClientSampleId :

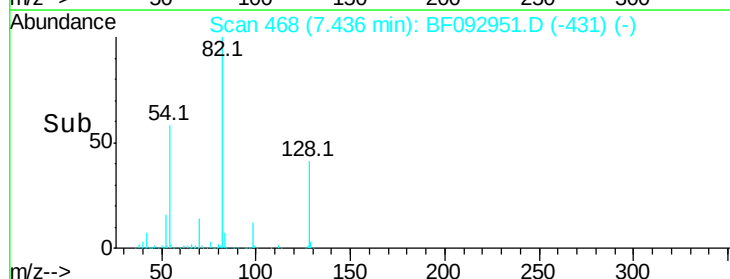
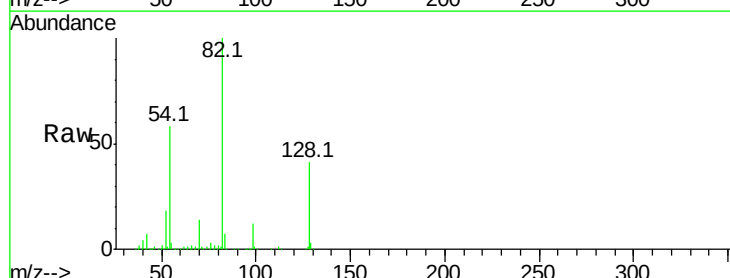
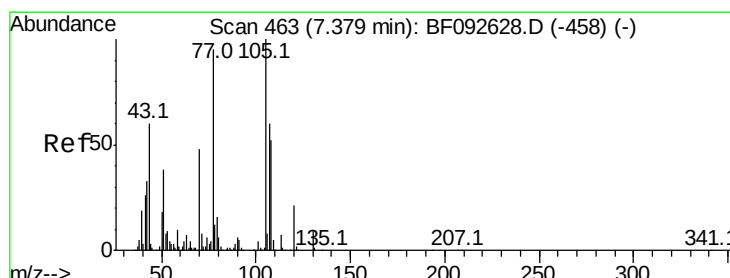
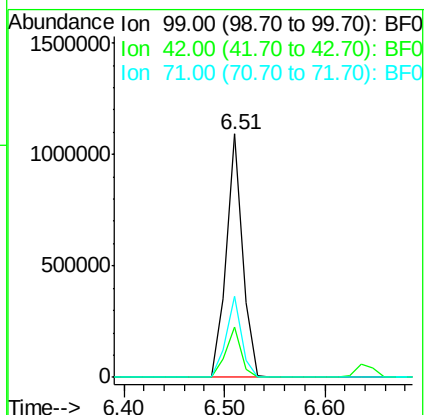
Tot Ion: 99 Resp: 1237563

Ion Ratio Lower Upper

99 100

42 20.7 15.6 23.4

71 33.4 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 15.18 ng

RT: 7.44 min Scan# 468

Delta R.T. 0.13 min

Lab File: BF092951.D

Acq: 15 Feb 2017 15:24

Tgt Ion: 70 Resp: 100453

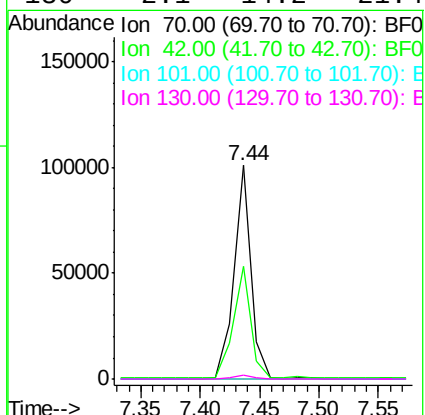
Ion Ratio Lower Upper

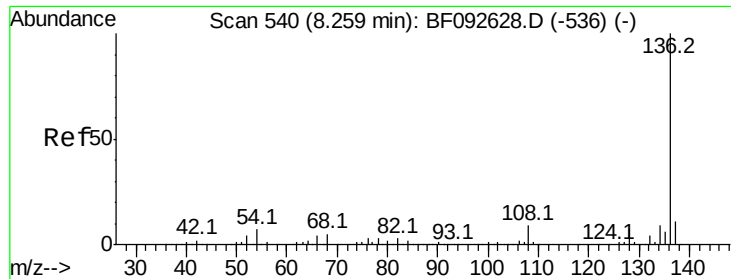
70 100

42 52.9 49.4 74.0

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

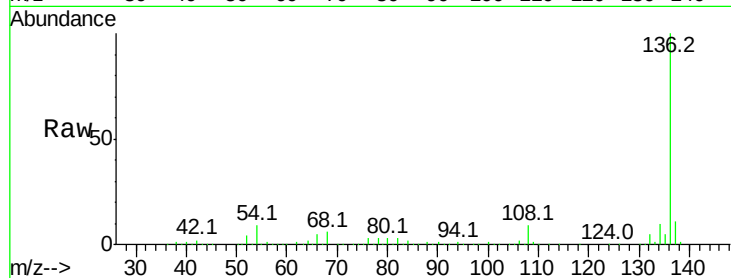




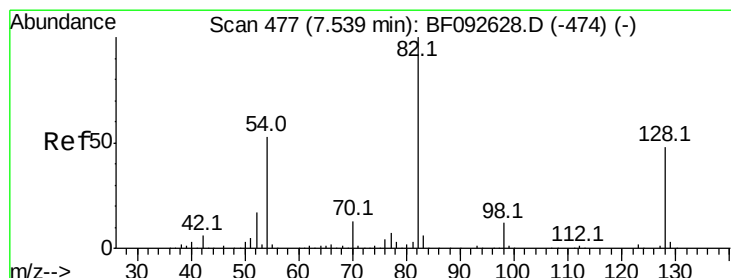
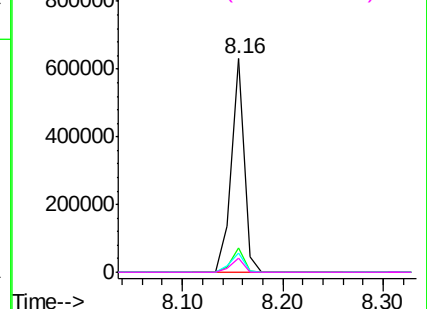
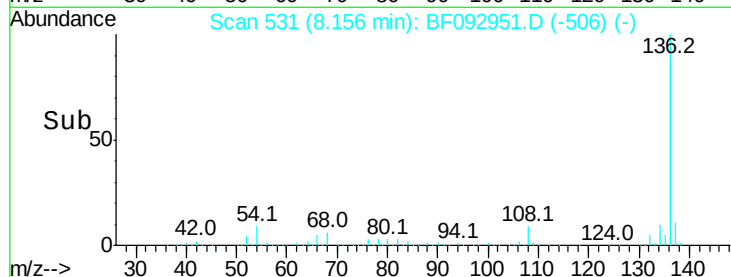
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.01 min
Lab File: BF092951.D
Acq: 15 Feb 2017 15:24

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	560019
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	9.3	4.5	6.7#
68	6.5	3.6	5.4#

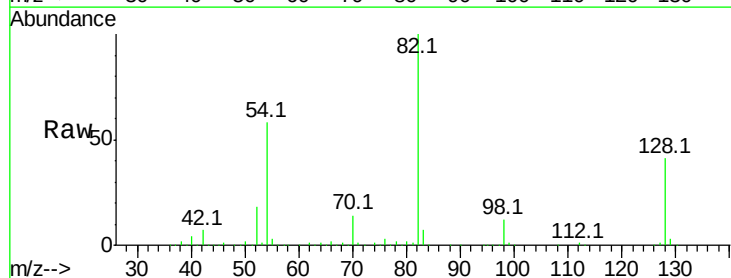


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

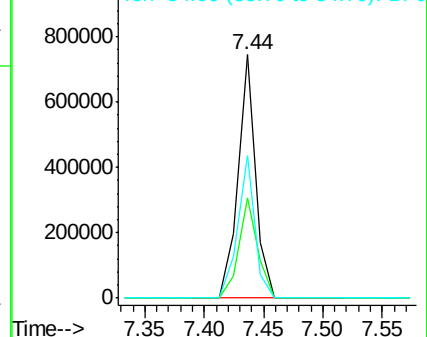
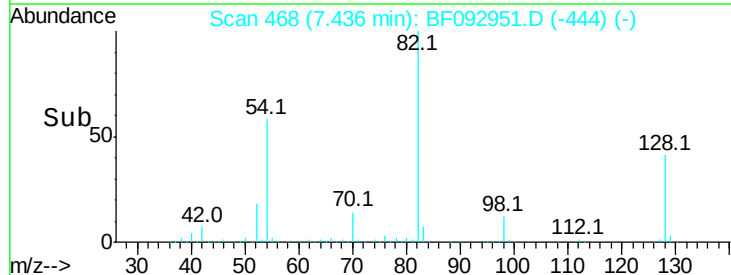


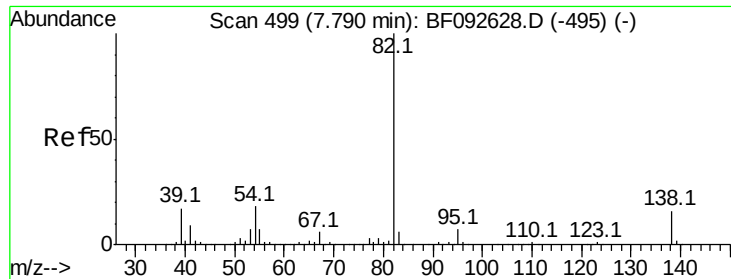
#23
Nitrobenzene-d5
Concen: 76.28 ng
RT: 7.44 min Scan# 468
Delta R.T. -0.02 min
Lab File: BF092951.D
Acq: 15 Feb 2017 15:24

Tgt Ion:	82	Resp:	767074
Ion	Ratio	Lower	Upper
82	100		
128	41.3	34.6	52.0
54	58.4	39.5	59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 33.56 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.27 min

Lab File: BF092951.D

Acq: 15 Feb 2017 15:24

Instrument :

BNA_F

ClientSampled :

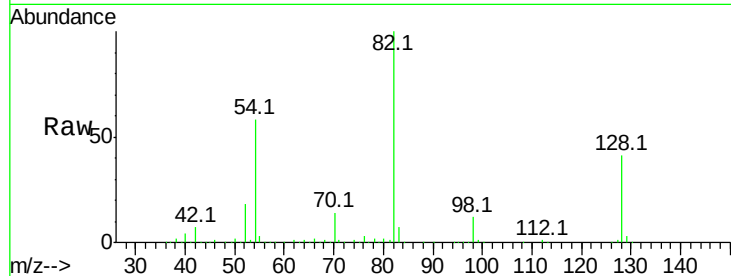
Tot Ion: 82 Resp: 628957

Ion Ratio Lower Upper

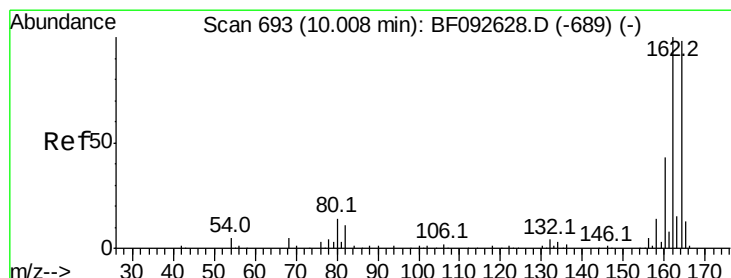
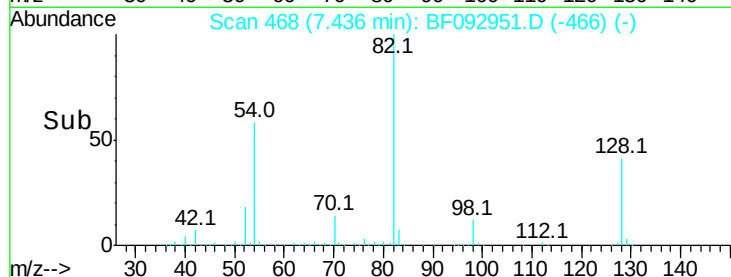
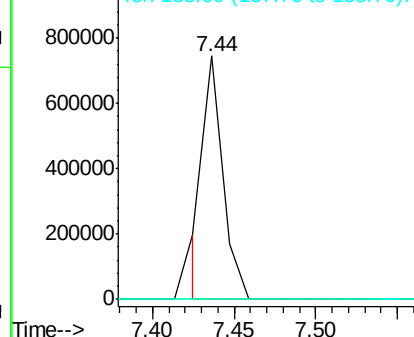
82 100

95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.02 min

Lab File: BF092951.D

Acq: 15 Feb 2017 15:24

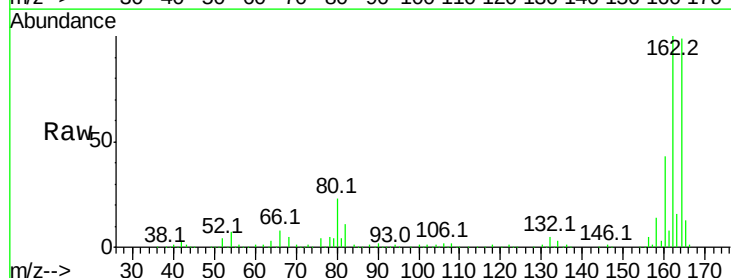
Tgt Ion: 164 Resp: 305695

Ion Ratio Lower Upper

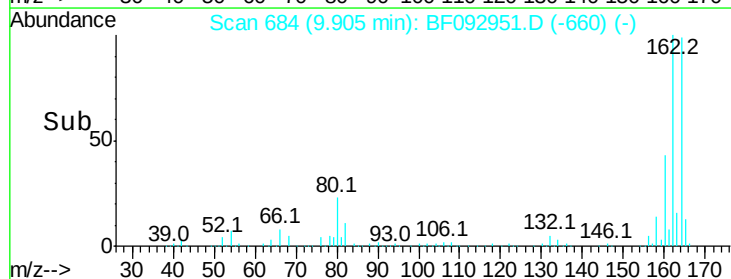
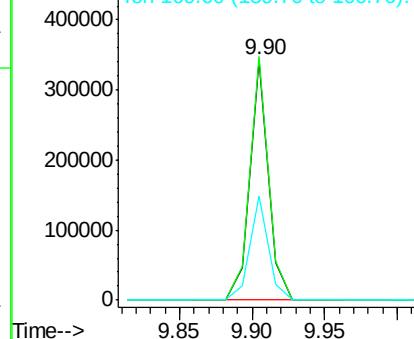
164 100

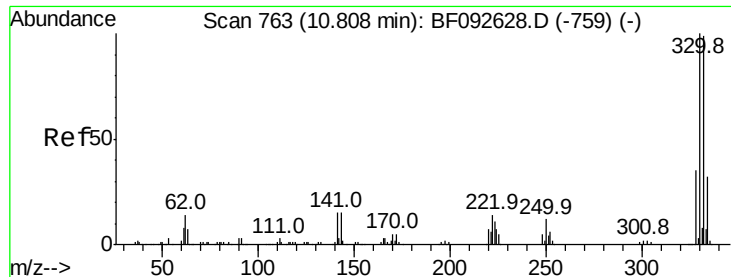
162 101.3 80.2 120.2

160 43.5 36.9 55.3



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

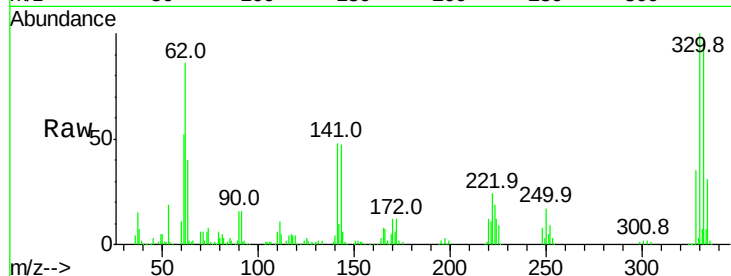




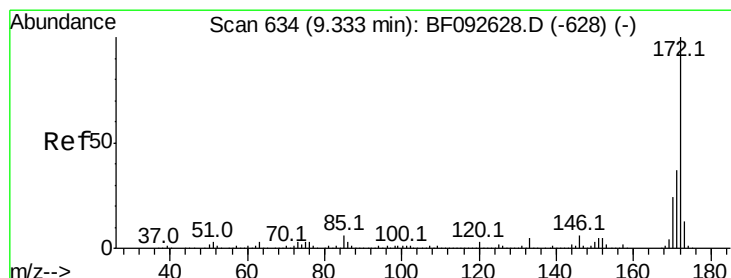
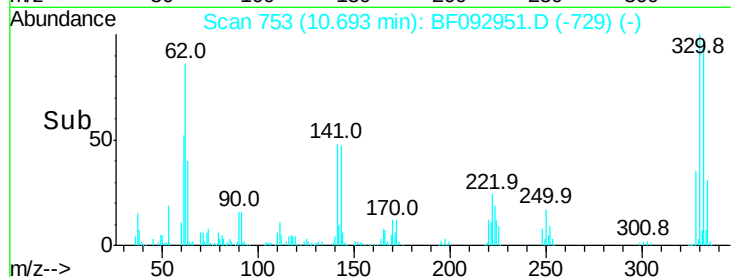
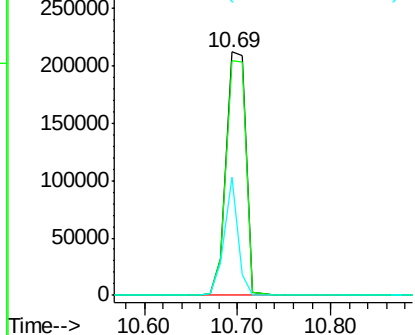
#41
 2,4,6-Tribromophenol
 Concen: 143.14 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.02 min
 Lab File: BF092951.D
 Acq: 15 Feb 2017 15:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.4	116.2
141	32.9	34.1	51.1#

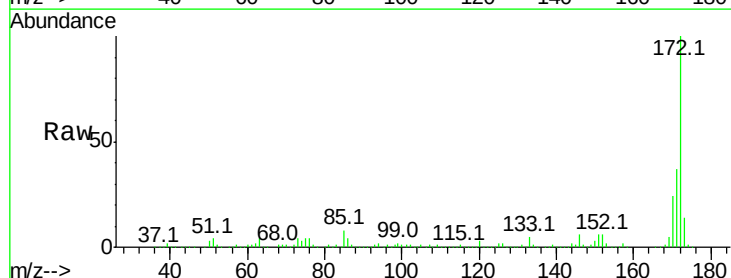


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

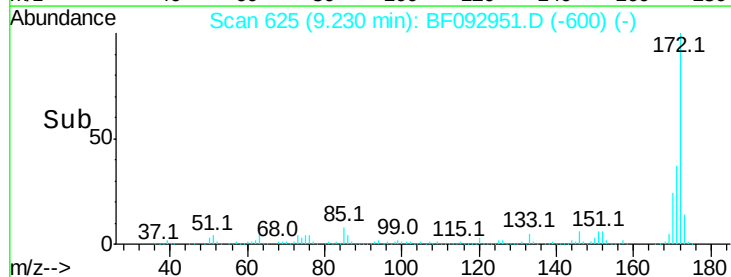
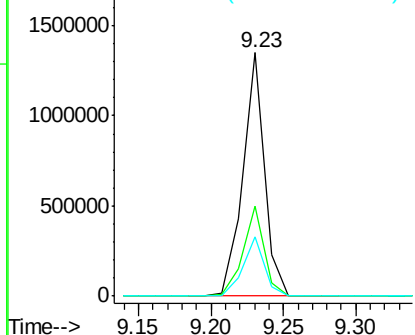


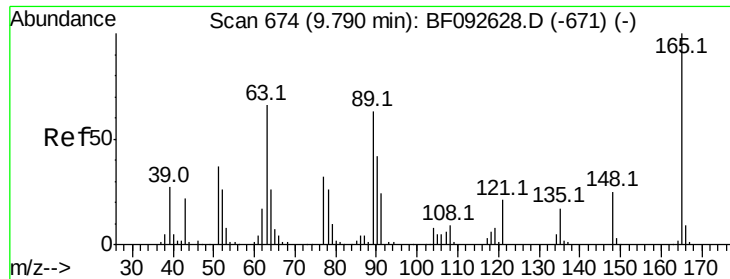
#44
 2-Fluorobiphenyl
 Concen: 82.73 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BF092951.D
 Acq: 15 Feb 2017 15:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.4	44.0
170	24.3	20.2	30.4



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

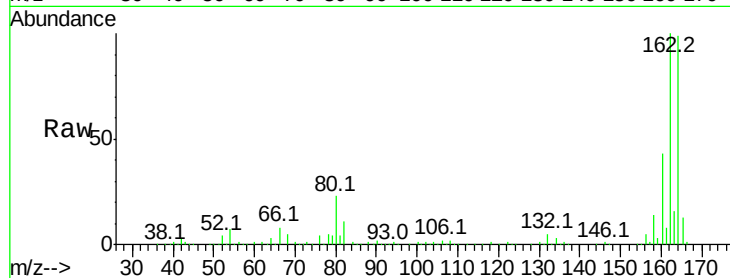




#50
 2,6-Dinitrotoluene
 Concen: 8.85 ng
 RT: 9.90 min Scan# 684
 Delta R.T. 0.19 min
 Lab File: BF092951.D
 Acq: 15 Feb 2017 15:24

Instrument :
 BNA_F
 ClientSampleId :

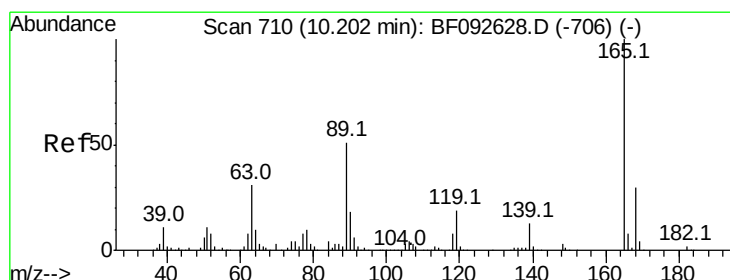
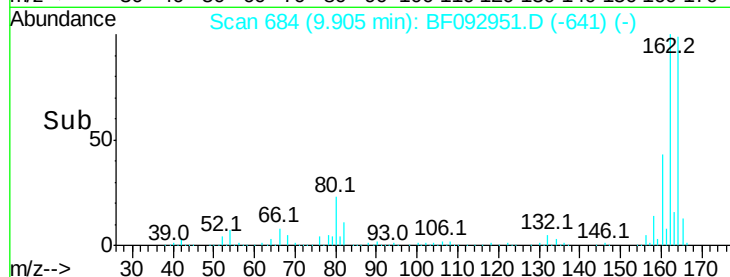
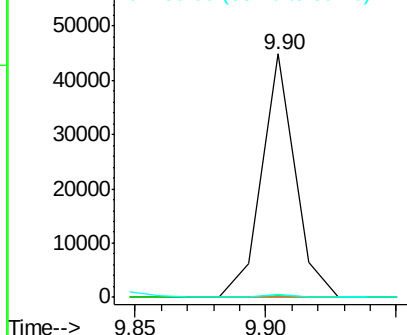
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	36.2	54.4#
89	1.3	40.2	60.4#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.65 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.22 min
 Lab File: BF092951.D
 Acq: 15 Feb 2017 15:24

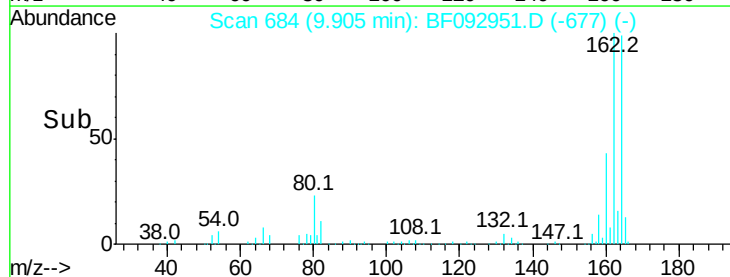
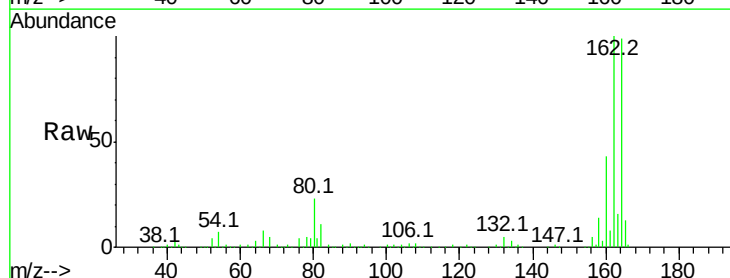
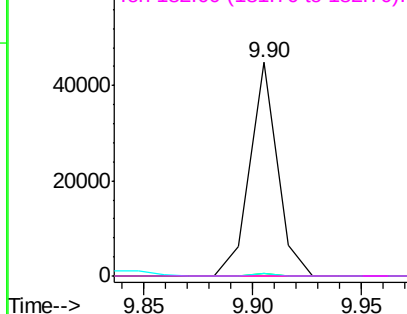
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	40.2	60.4#
89	1.3	62.5	93.7#
182	0.0	1.8	2.8#

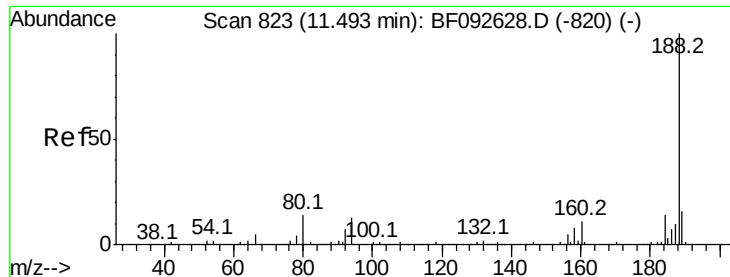
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

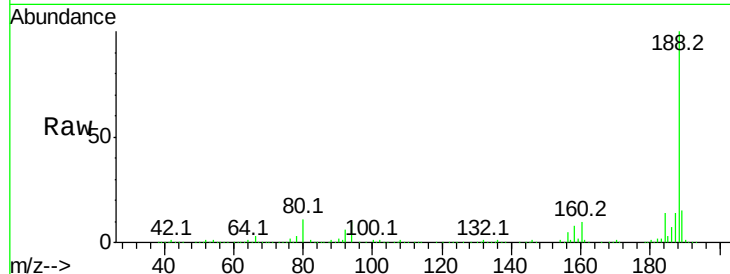




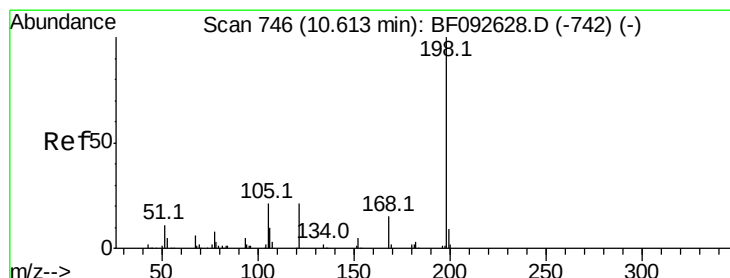
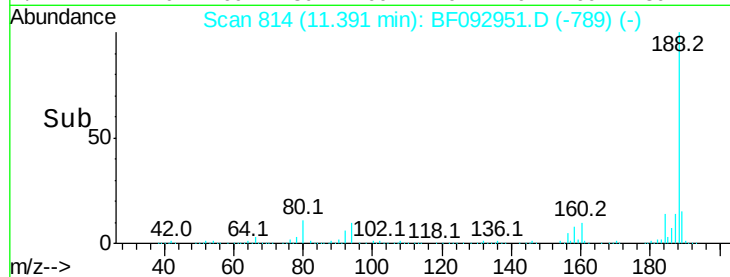
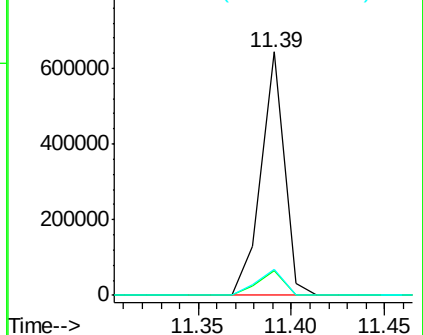
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF092951.D
Acq: 15 Feb 2017 15:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 555220
Ion Ratio Lower Upper
188 100
94 10.2 10.0 15.0
80 10.6 11.2 16.8#

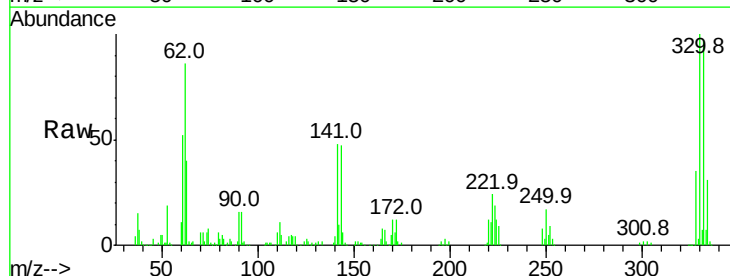


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

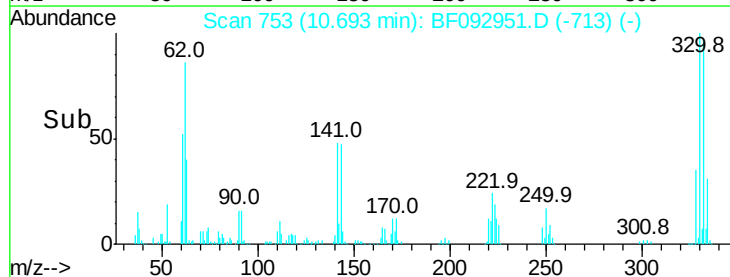
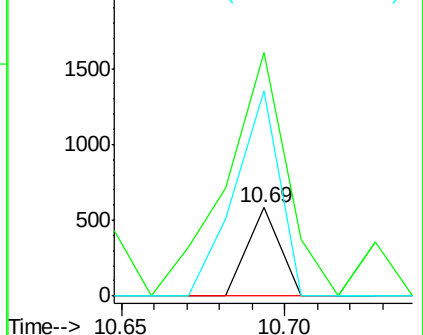


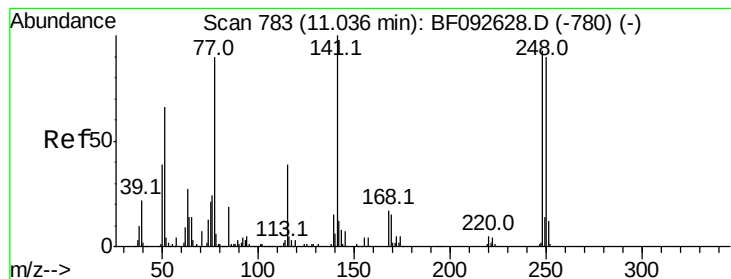
#64
4,6-Dinitro-2-methylphenol
Concen: 2.78 ng
RT: 10.69 min Scan# 753
Delta R.T. 0.16 min
Lab File: BF092951.D
Acq: 15 Feb 2017 15:24

Tgt Ion:198 Resp: 398
Ion Ratio Lower Upper
198 100
51 276.2 6.7 46.7#
105 233.6 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 3.71 ng

RT: 10.69 min Scan# 753

Delta R.T. -0.26 min

Lab File: BF092951.D

Acq: 15 Feb 2017 15:24

Instrument :

BNA_F

ClientSampled :

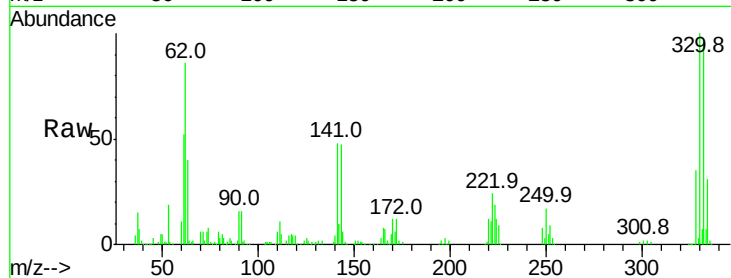
Tot Ion:248 Resp: 21495

Ion Ratio Lower Upper

248 100

250 206.7 76.9 115.3#

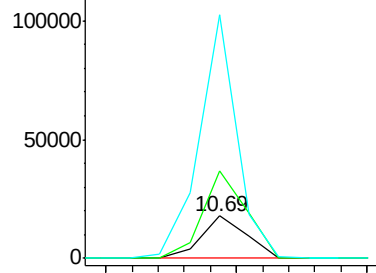
141 573.8 68.2 102.4#



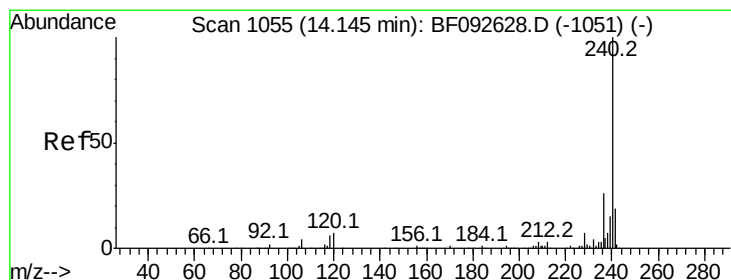
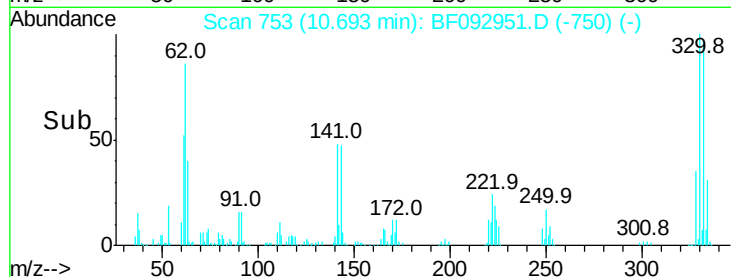
Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.03 min

Lab File: BF092951.D

Acq: 15 Feb 2017 15:24

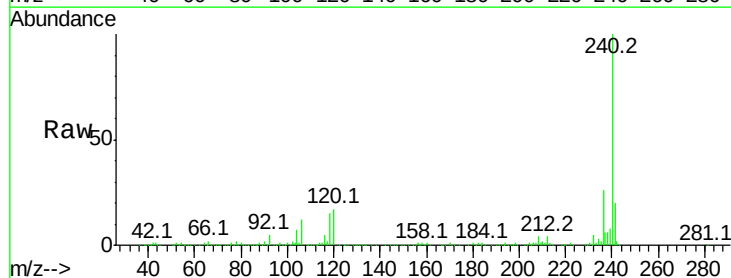
Tgt Ion:240 Resp: 471671

Ion Ratio Lower Upper

240 100

120 17.4 12.9 19.3

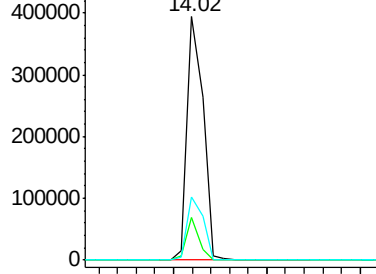
236 25.9 20.9 31.3



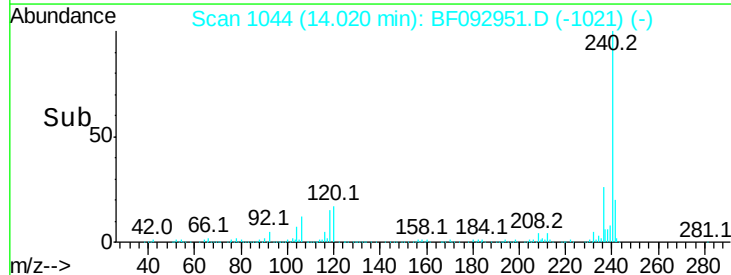
Abundance Ion 240.00 (239.70 to 240.70): E

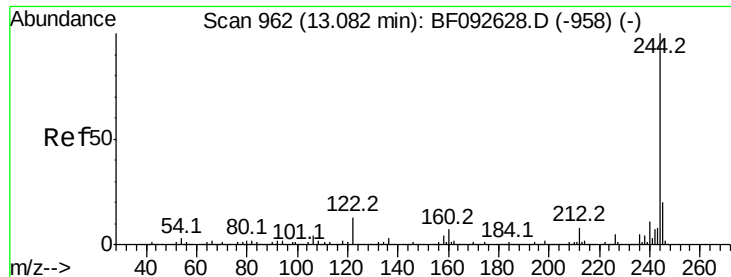
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->

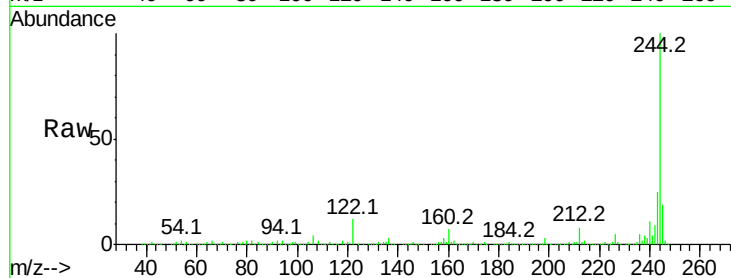




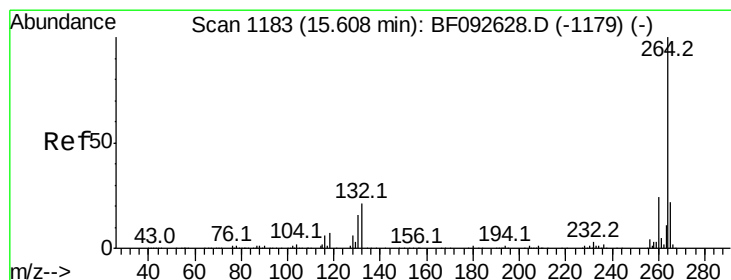
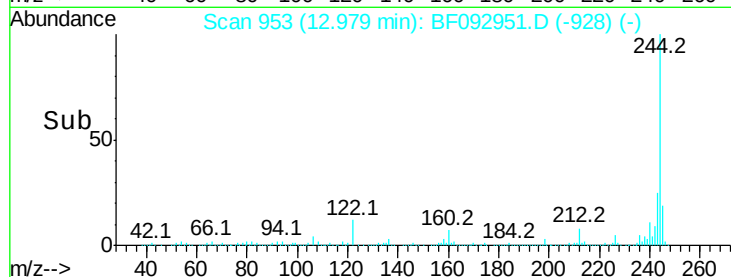
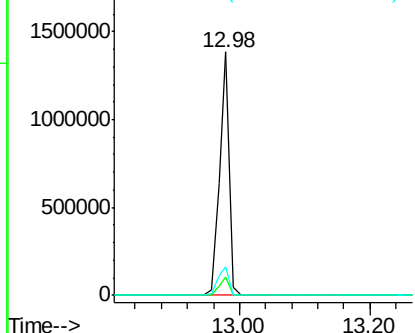
#78
 Terphenyl-d14
 Concen: 72.06 ng
 RT: 12.98 min Scan# 953
 Delta R.T. -0.01 min
 Lab File: BF092951.D
 Acq: 15 Feb 2017 15:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1446450
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.2
 122 11.7 11.4 17.2

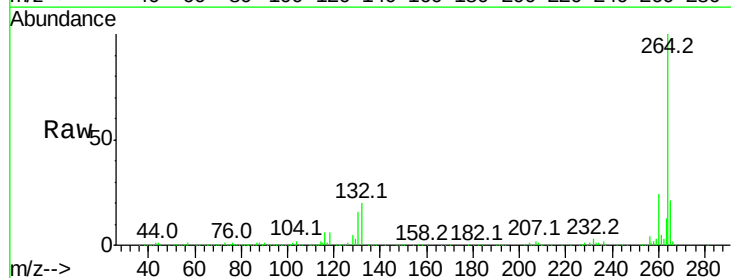


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.46 min Scan# 1170
 Delta R.T. -0.02 min
 Lab File: BF092951.D
 Acq: 15 Feb 2017 15:24

Tgt Ion:264 Resp: 414449
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.2 28.8
 265 21.1 17.4 26.0



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

