

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022317\
 Data File : BF093145.D
 Acq On : 24 Feb 2017 12:03
 Operator : SJ/MA
 Sample : I1947-04
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 24 12:35:23 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

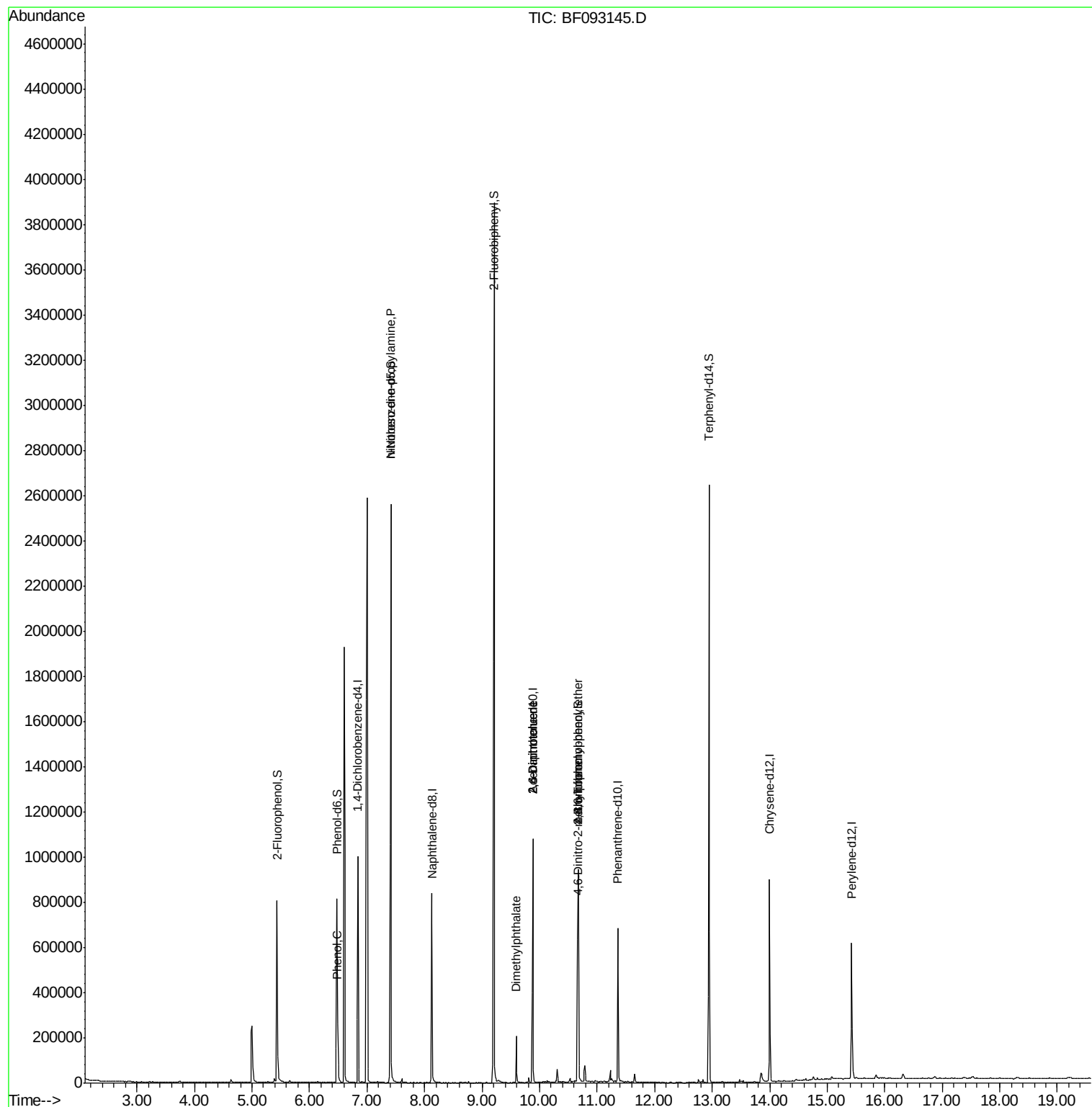
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	155225	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	551445	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	227932	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	337235	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	305422	20.00	ng	-0.02
86) Perylene-d12	15.43	264	264422	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	349386	38.62	ng	-0.01
7) Phenol-d6	6.48	99	278568	23.93	ng	-0.01
23) Nitrobenzene-d5	7.41	82	892396	90.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	134416	81.54	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1415111	112.48	ng	-0.01
78) Terphenyl-d14	12.94	244	836179	64.33	ng	-0.02
Target Compounds						
10) Phenol	6.49	94	51738	3.80	ng	# 72
19) n-Nitroso-di-n-propylamine	7.41	70	117904	15.91	ng	# 80
49) Dimethylphthalate	9.60	163	82070	5.35	ng	# 98
50) 2,6-Dinitrotoluene	9.88	165	28078	8.47	ng	# 31
56) 2,4-Dinitrotoluene	9.88	165	28078	6.36	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.66	198	211	2.77	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	9558	2.71	ng	# 1

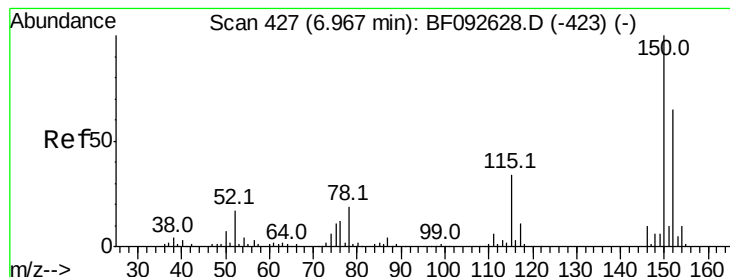
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF093145.D

Acq: 24 Feb 2017 12:03

Instrument :

BNA_F

ClientSampleId :

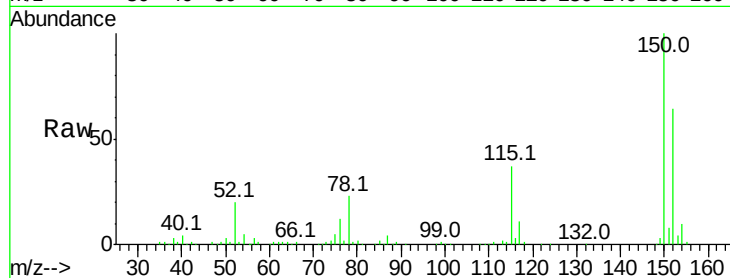
Tot Ion:152 Resp: 155225

Ion Ratio Lower Upper

152 100

150 156.6 124.9 187.3

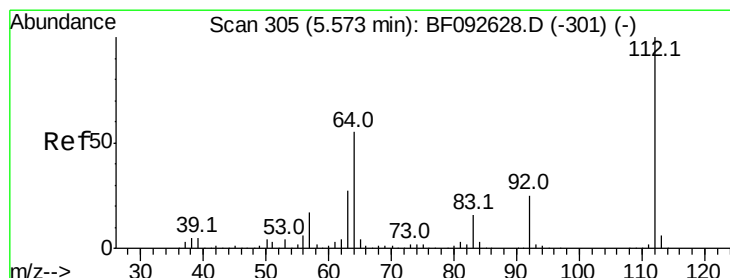
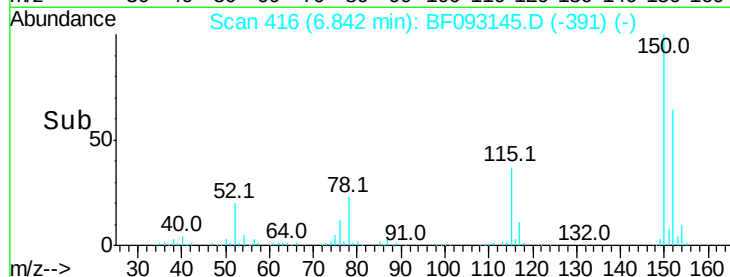
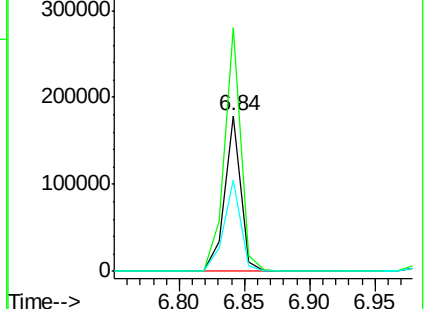
115 58.4 46.0 69.0



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: 38.62 ng

RT: 5.44 min Scan# 293

Delta R.T. -0.01 min

Lab File: BF093145.D

Acq: 24 Feb 2017 12:03

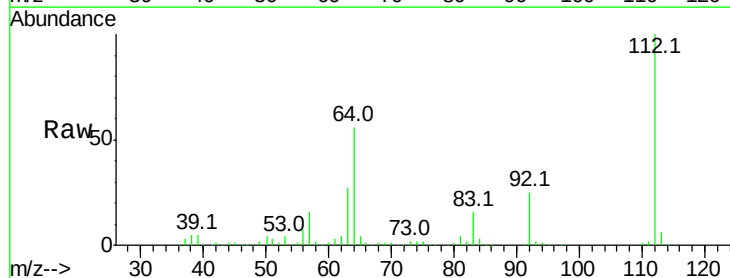
Tgt Ion:112 Resp: 349386

Ion Ratio Lower Upper

112 100

64 55.7 46.1 69.1

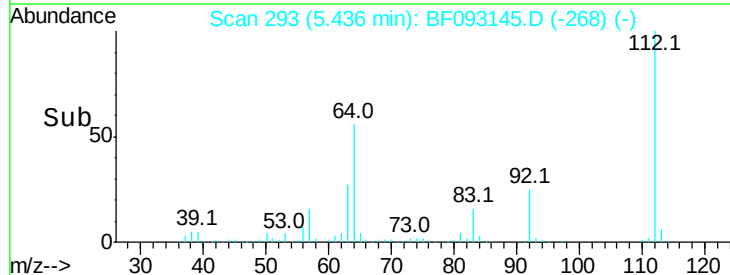
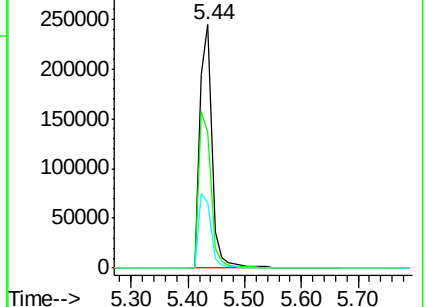
63 27.2 23.8 35.6

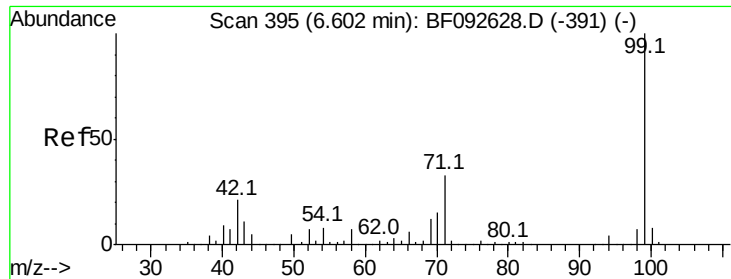


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 23.93 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093145.D

Acq: 24 Feb 2017 12:03

Instrument :

BNA_F

ClientSampleId :

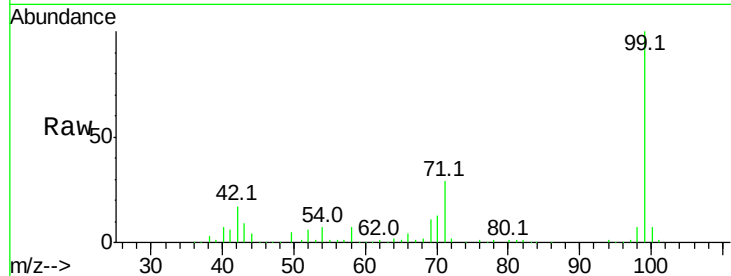
Tot Ion: 99 Resp: 278568

Ion Ratio Lower Upper

99 100

42 16.8 15.6 23.4

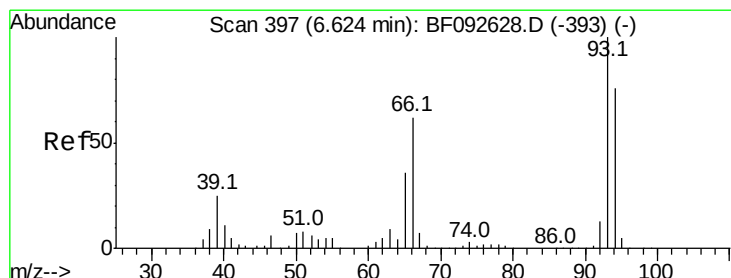
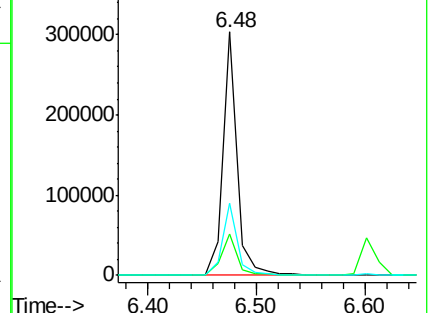
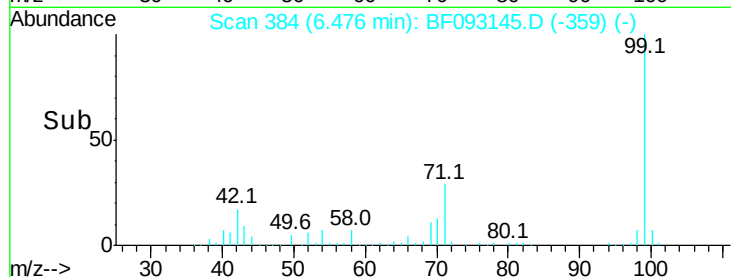
71 29.4 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.80 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093145.D

Acq: 24 Feb 2017 12:03

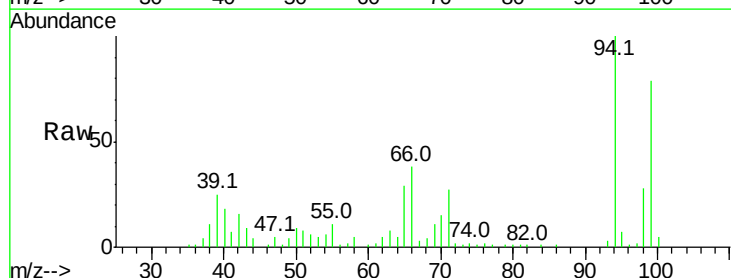
Tgt Ion: 94 Resp: 51738

Ion Ratio Lower Upper

94 100

65 29.3 21.4 61.4

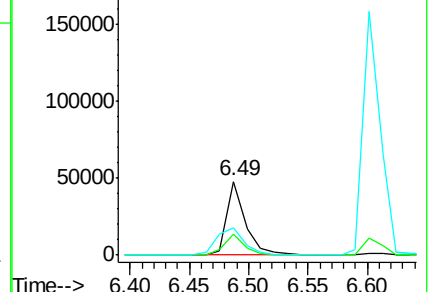
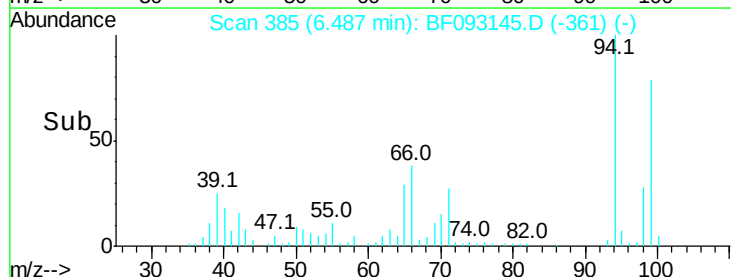
66 37.9 44.0 84.0#

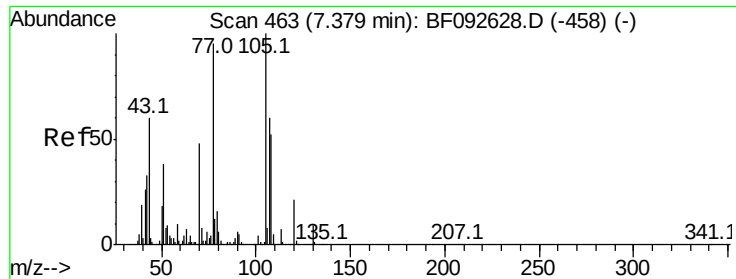


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

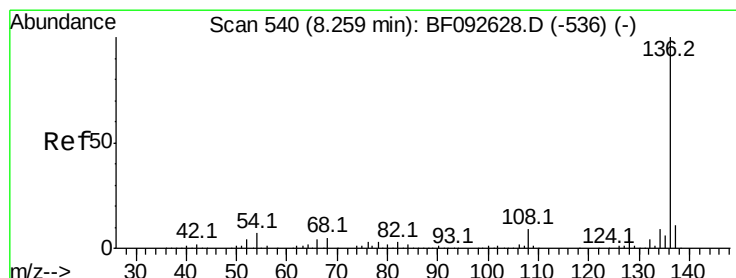
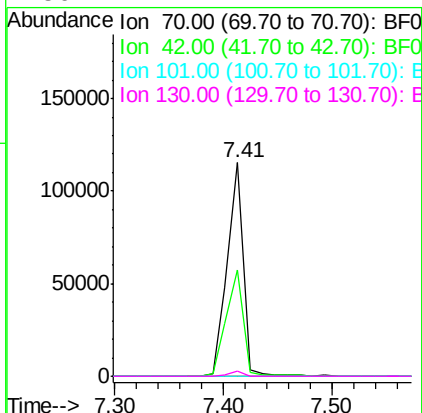
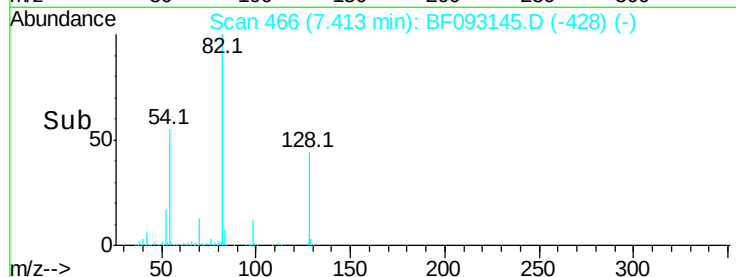
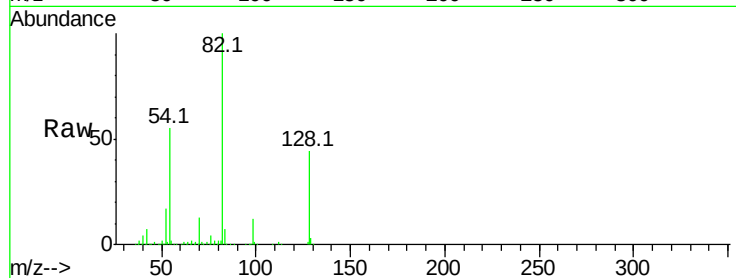




#19
n-Nitroso-di-n-propylamine
Concen: 15.91 ng
RT: 7.41 min Scan# 466
Delta R.T. 0.14 min
Lab File: BF093145.D
Acq: 24 Feb 2017 12:03

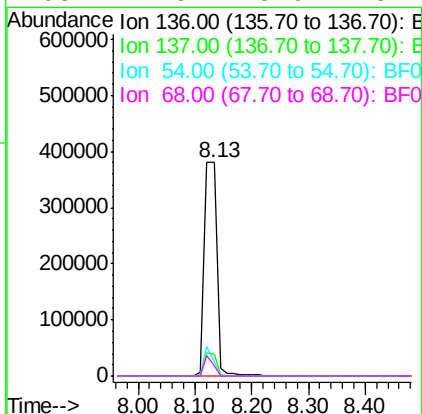
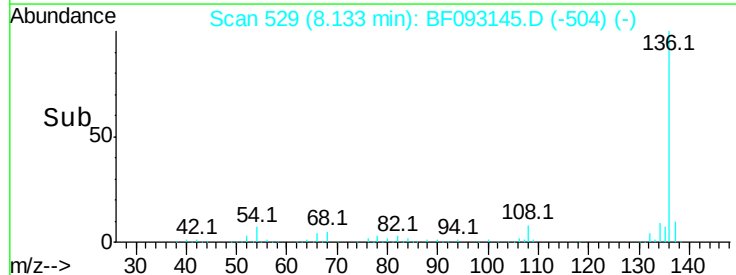
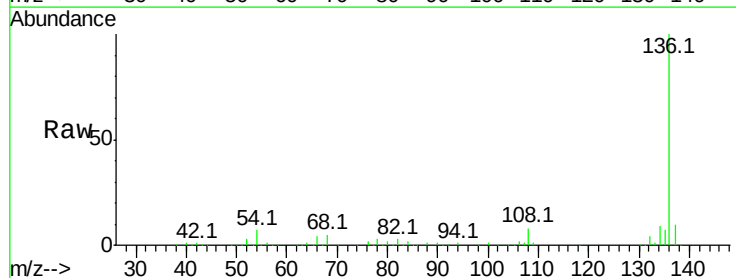
Instrument :
BNA_F
ClientSampleId :

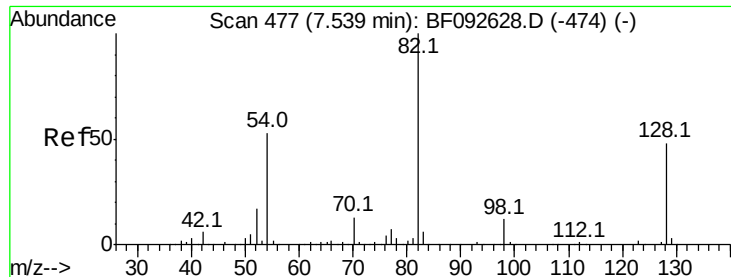
Tot Ion: 70 Resp: 117904
Ion Ratio Lower Upper
70 100
42 49.8 49.4 74.0
101 0.0 7.4 11.2#
130 2.2 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF093145.D
Acq: 24 Feb 2017 12:03

Tgt Ion:136 Resp: 551445
Ion Ratio Lower Upper
136 100
137 10.0 8.4 12.6
54 6.5 4.5 6.7
68 4.9 3.6 5.4

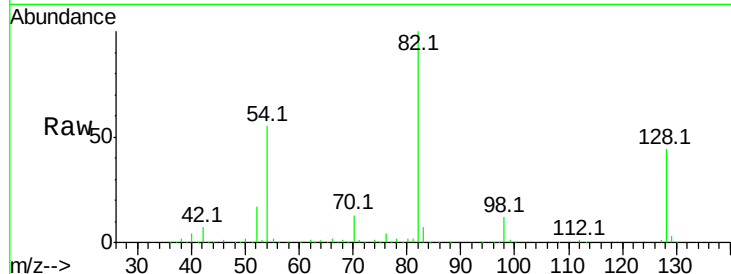




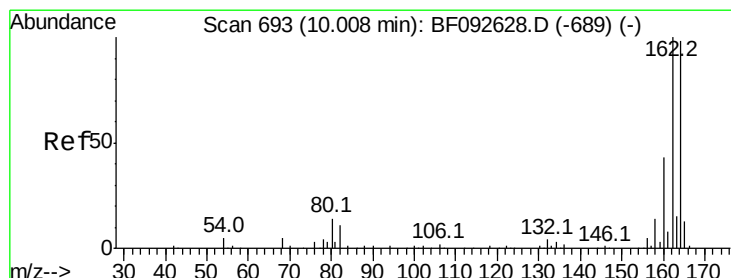
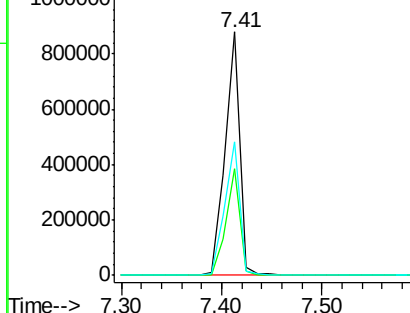
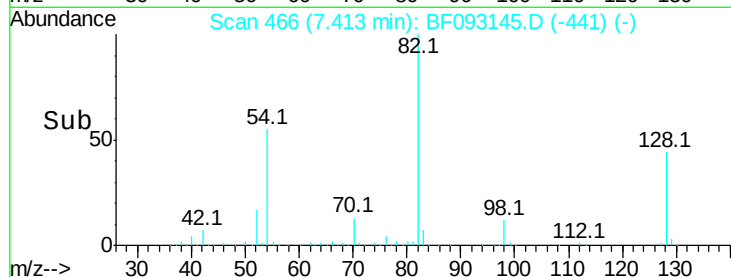
#23
 Nitrobenzene-d5
 Concen: 90.12 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: BF093145.D
 Acq: 24 Feb 2017 12:03

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	892396
Ion Ratio	100	Lower	Upper
128	43.8	34.6	52.0
54	55.1	39.5	59.3

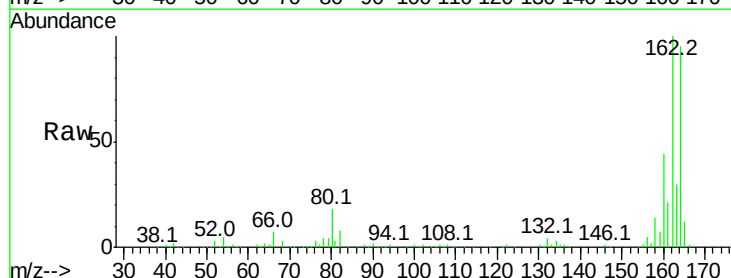


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

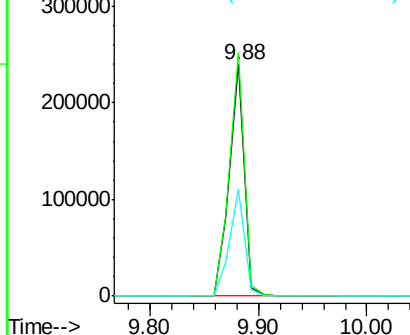
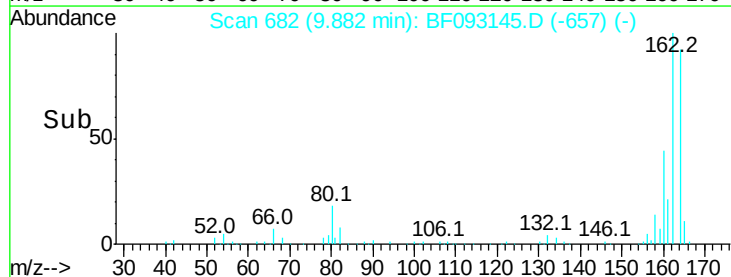


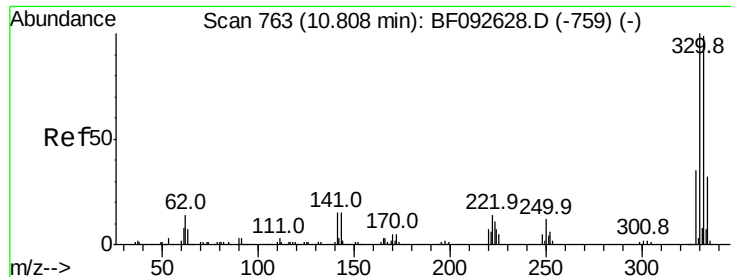
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF093145.D
 Acq: 24 Feb 2017 12:03

Tgt Ion	164	Resp	227932
Ion Ratio	100	Lower	Upper
162	105.0	80.2	120.2
160	45.9	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

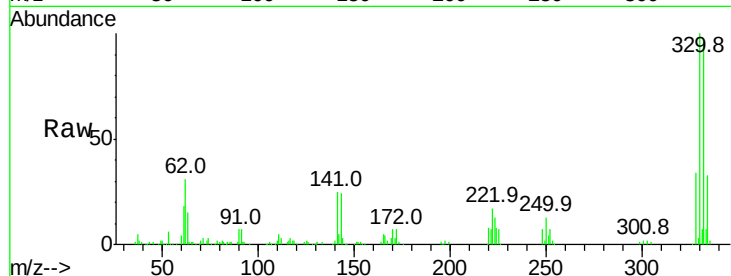




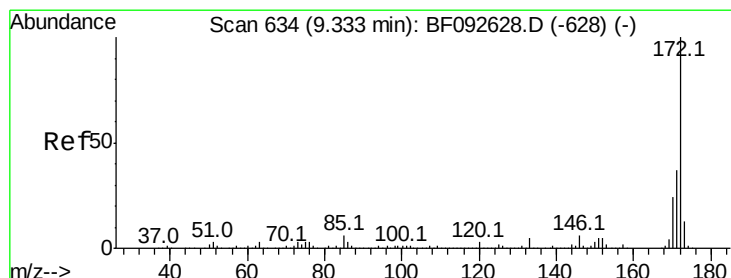
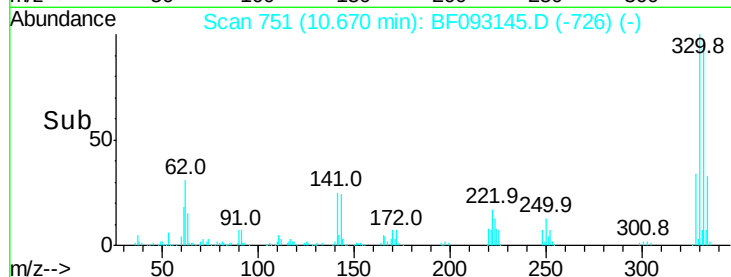
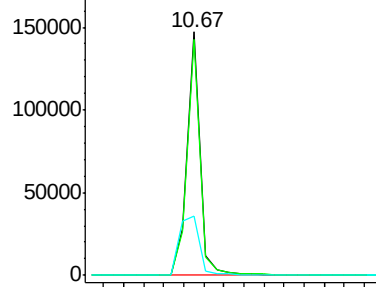
#41
 2,4,6-Tribromophenol
 Concen: 81.54 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093145.D
 Acq: 24 Feb 2017 12:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.2
141	37.9	34.1	51.1

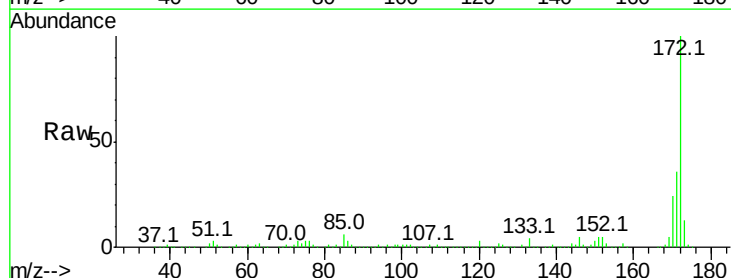


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

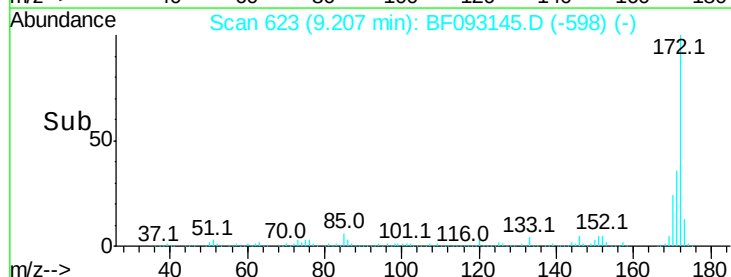
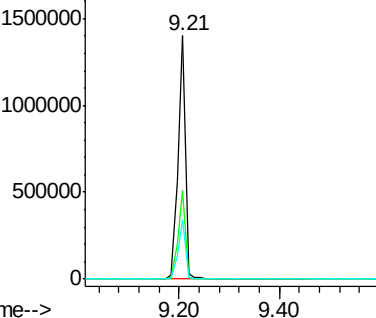


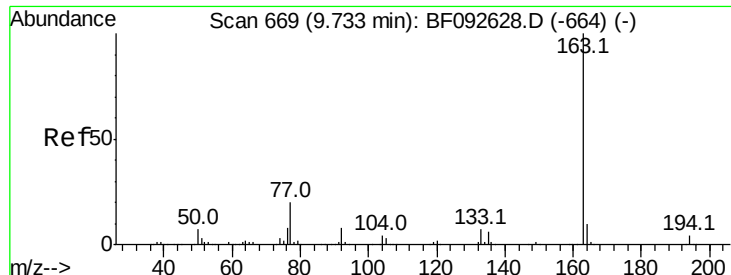
#44
 2-Fluorobiphenyl
 Concen: 112.48 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093145.D
 Acq: 24 Feb 2017 12:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	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





#49

Dimethylphthalate

Concen: 5.35 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.02 min

Lab File: BF093145.D

Acq: 24 Feb 2017 12:03

Instrument :

BNA_F

ClientSampleId :

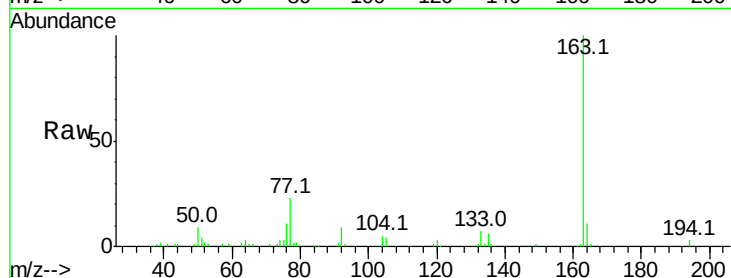
Tot Ion:163 Resp: 82070

Ion Ratio Lower Upper

163 100

194 2.9 3.0 4.4#

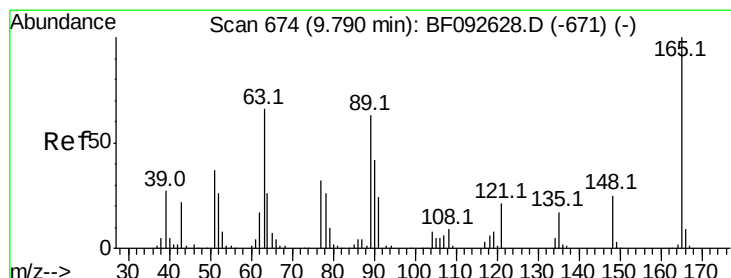
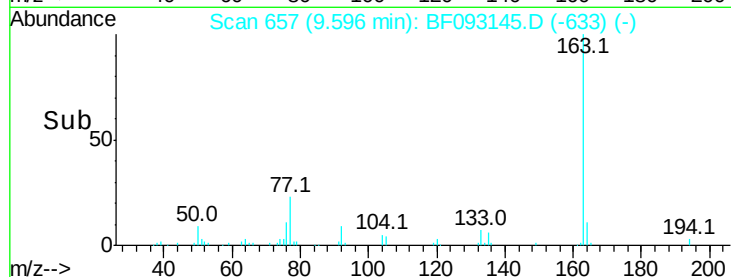
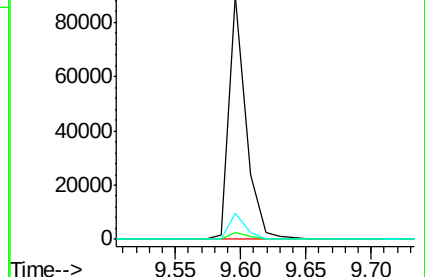
164 10.7 8.0 12.0



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: 8.47 ng

RT: 9.88 min Scan# 682

Delta R.T. 0.19 min

Lab File: BF093145.D

Acq: 24 Feb 2017 12:03

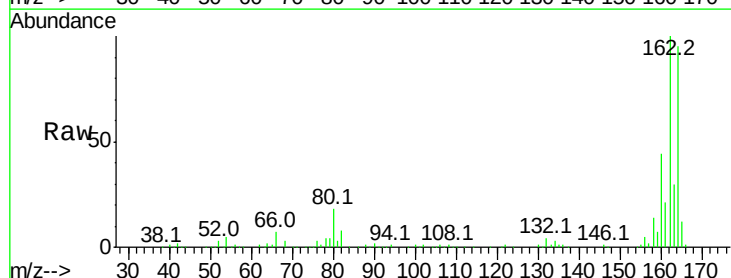
Tgt Ion:165 Resp: 28078

Ion Ratio Lower Upper

165 100

63 1.6 36.2 54.4#

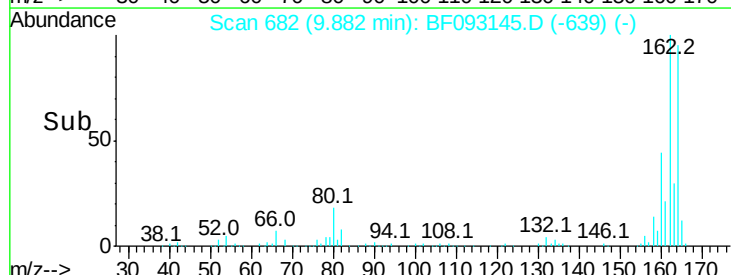
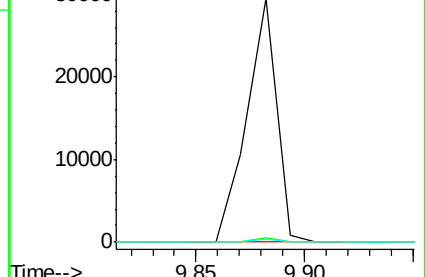
89 1.4 40.2 60.4#

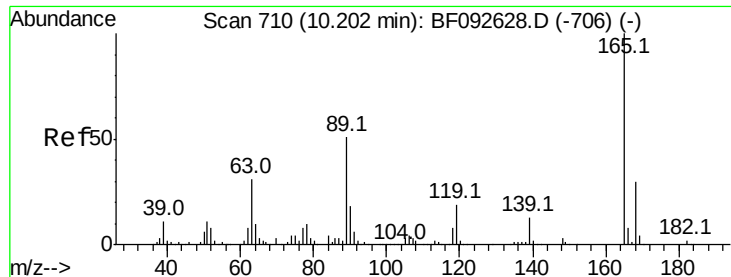


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.36 ng

RT: 9.88 min Scan# 682

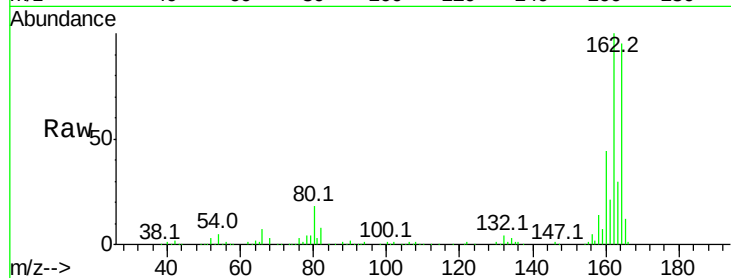
Delta R.T. -0.21 min

Lab File: BF093145.D

Acq: 24 Feb 2017 12:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	28078
Ion Ratio	Lower	Upper
165	100	
63	1.6	40.2 60.4#
89	1.4	62.5 93.7#
182	0.0	1.8 2.8#

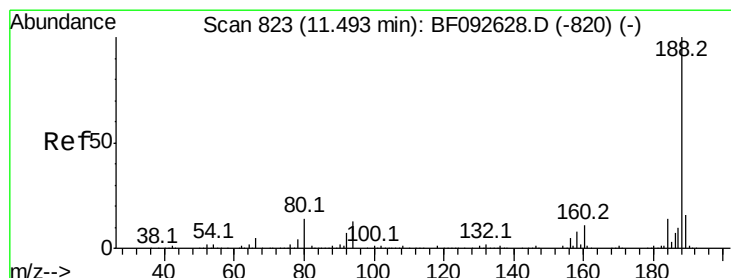
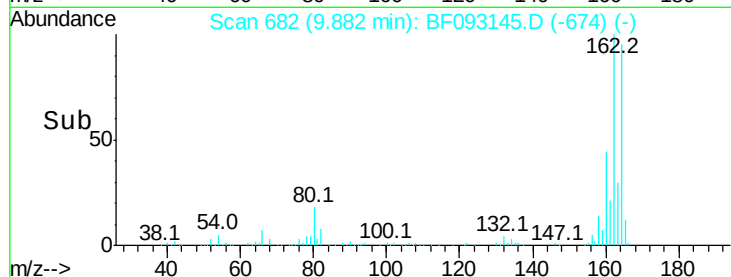
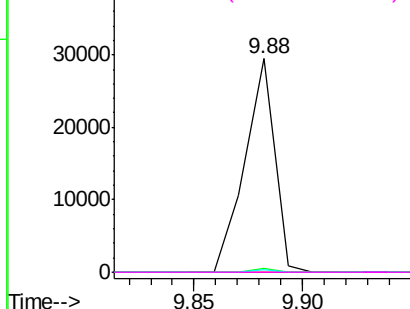


Abundance Ion 165.00 (164.70 to 165.70): E

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

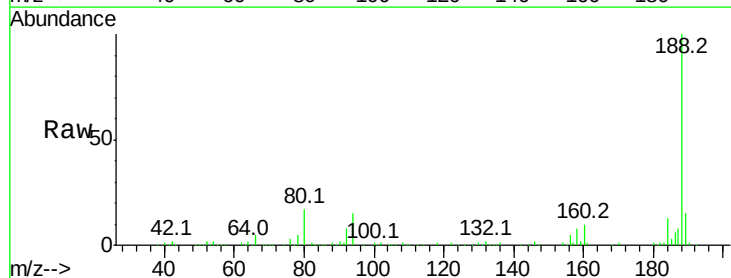
RT: 11.36 min Scan# 811

Delta R.T. -0.02 min

Lab File: BF093145.D

Acq: 24 Feb 2017 12:03

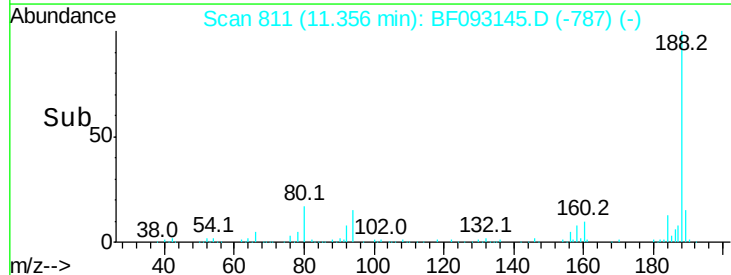
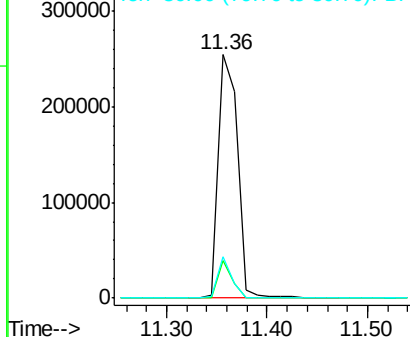
Tgt Ion:188	Resp:	337235
Ion Ratio	Lower	Upper
188	100	
94	15.4	10.0 15.0#
80	17.1	11.2 16.8#

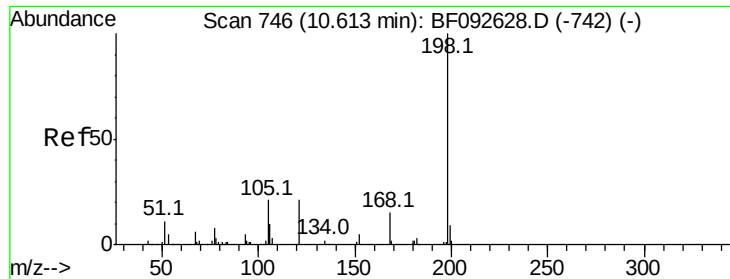


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

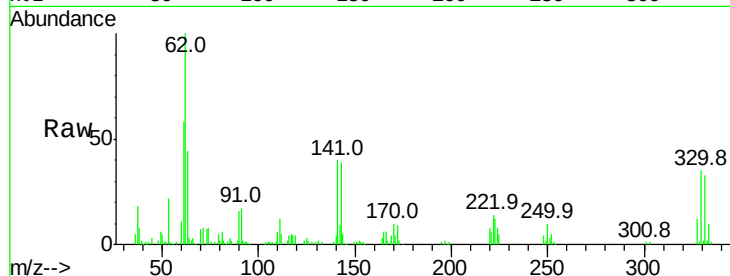




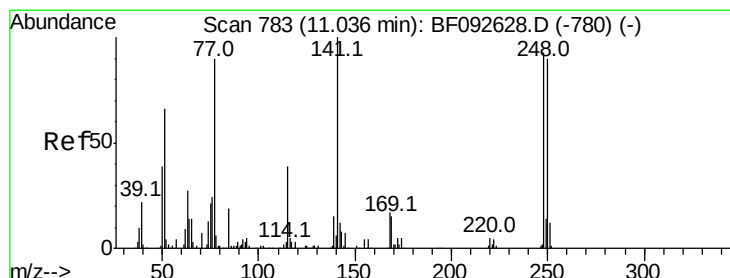
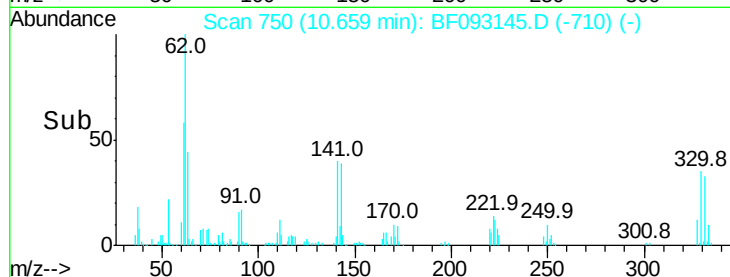
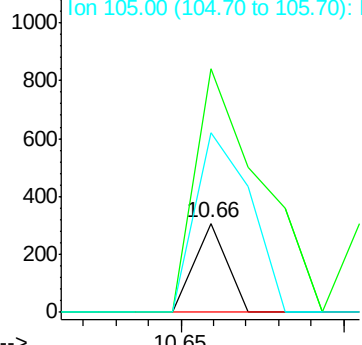
#64
4,6-Dinitro-2-methylphenol
Concen: 2.77 ng
RT: 10.66 min Scan# 750
Delta R.T. 0.16 min
Lab File: BF093145.D
Acq: 24 Feb 2017 12:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 211
Ion Ratio Lower Upper
198 100
51 273.9 6.7 46.7#
105 202.0 16.6 56.6#

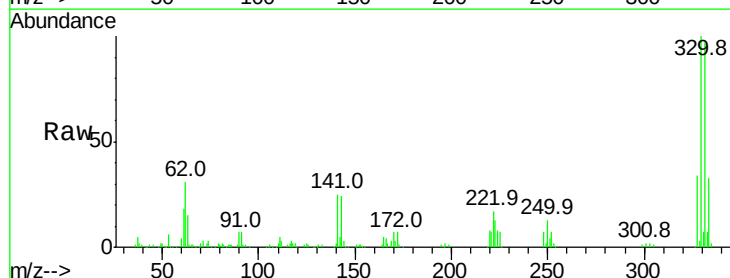


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

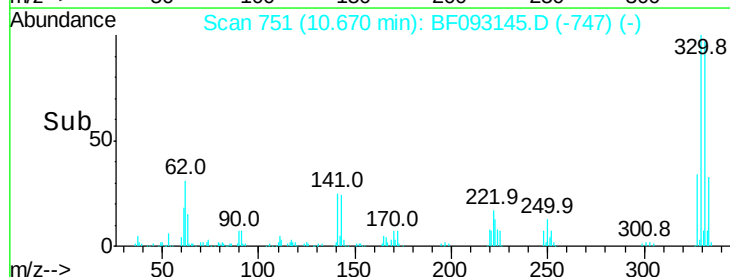
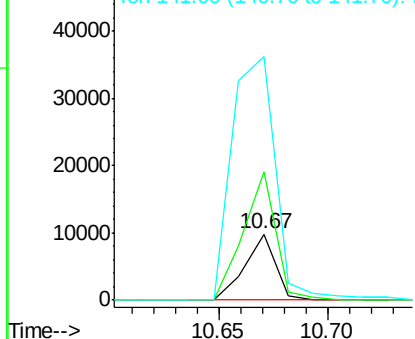


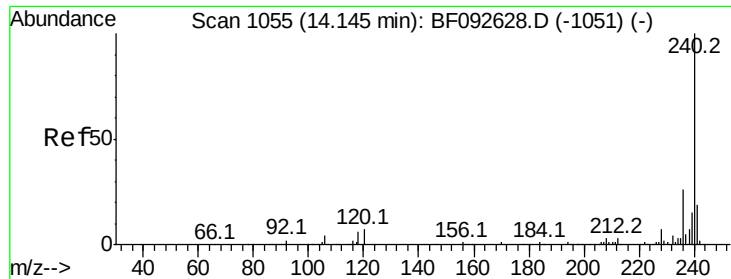
#66
4-Bromophenyl-phenylether
Concen: 2.71 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.25 min
Lab File: BF093145.D
Acq: 24 Feb 2017 12:03

Tgt Ion:248 Resp: 9558
Ion Ratio Lower Upper
248 100
250 194.5 76.9 115.3#
141 369.2 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

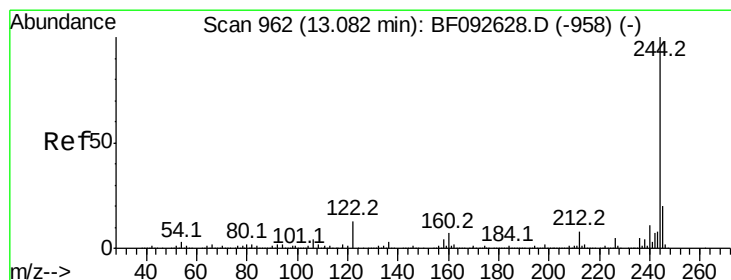
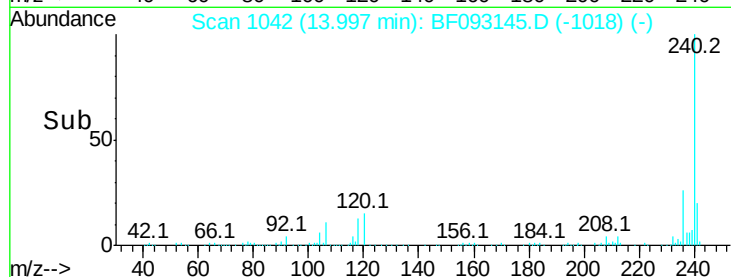
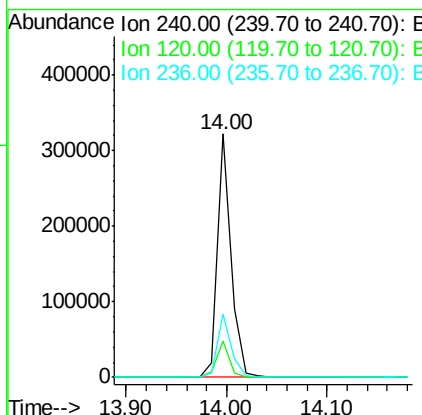
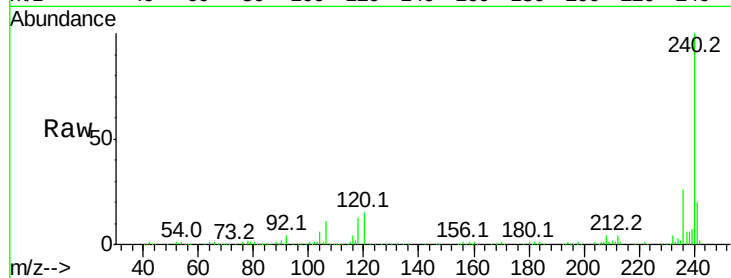




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.02 min
Lab File: BF093145.D
Acq: 24 Feb 2017 12:03

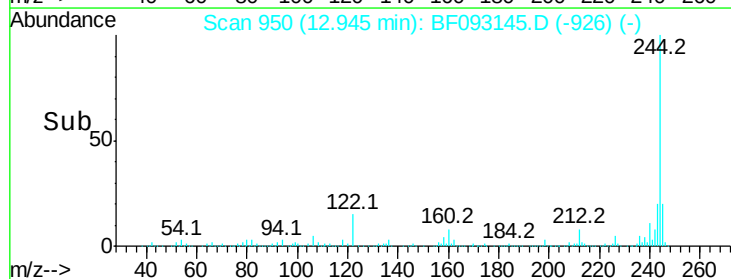
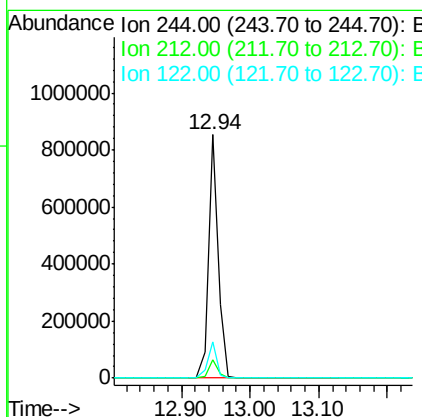
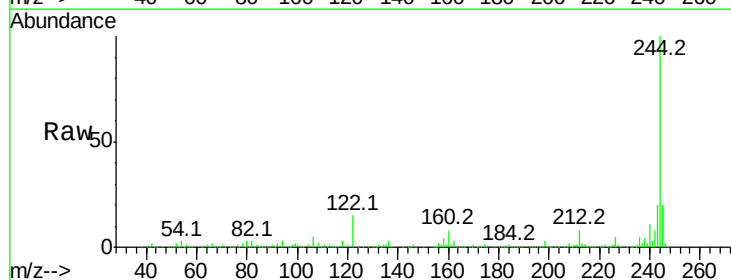
Instrument :
BNA_F
ClientSampleId :

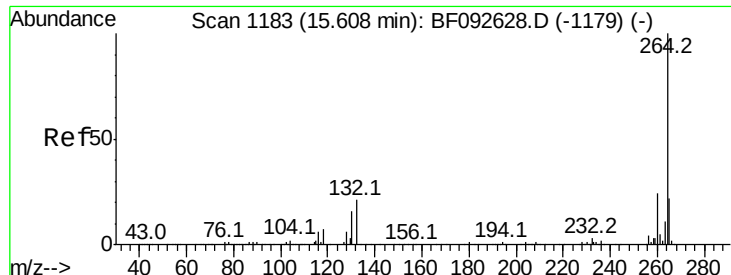
Tot Ion:240 Resp: 305422
Ion Ratio Lower Upper
240 100
120 14.9 12.9 19.3
236 26.0 20.9 31.3



#78
Terphenyl-d14
Concen: 64.33 ng
RT: 12.94 min Scan# 950
Delta R.T. -0.02 min
Lab File: BF093145.D
Acq: 24 Feb 2017 12:03

Tgt Ion:244 Resp: 836179
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.2
122 15.0 11.4 17.2

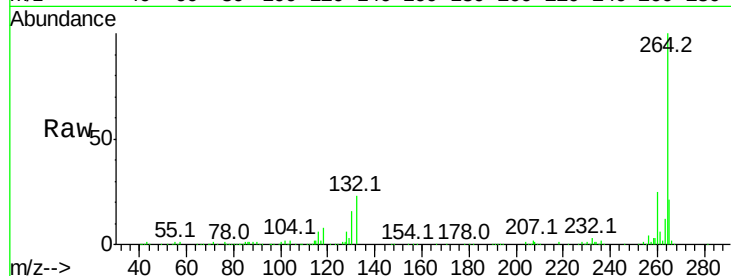




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.43 min Scan# 1167
 Delta R.T. -0.02 min
 Lab File: BF093145.D
 Acq: 24 Feb 2017 12:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264 Resp: 264422
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.2 28.8
 265 21.4 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

