

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
 Data File : BF099942.D
 Acq On : 29 Oct 2017 4:40
 Operator : SJ/JU
 Sample : I6059-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 02:06:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 15:58:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	107568	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	418605	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	172507	20.00	ng	-0.02
63) Phenanthrene-d10	11.31	188	244275	20.00	ng	-0.02
75) Chrysene-d12	13.96	240	182719	20.00	ng	-0.03
86) Perylene-d12	15.42	264	176595	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	279073	40.73	ng	0.00
7) Phenol-d6	6.43	99	237924	29.29	ng	-0.01
23) Nitrobenzene-d5	7.36	82	568047	87.36	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	98737	62.81	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	1058940	94.71	ng	-0.01
78) Terphenyl-d14	12.90	244	688979	82.40	ng	-0.02

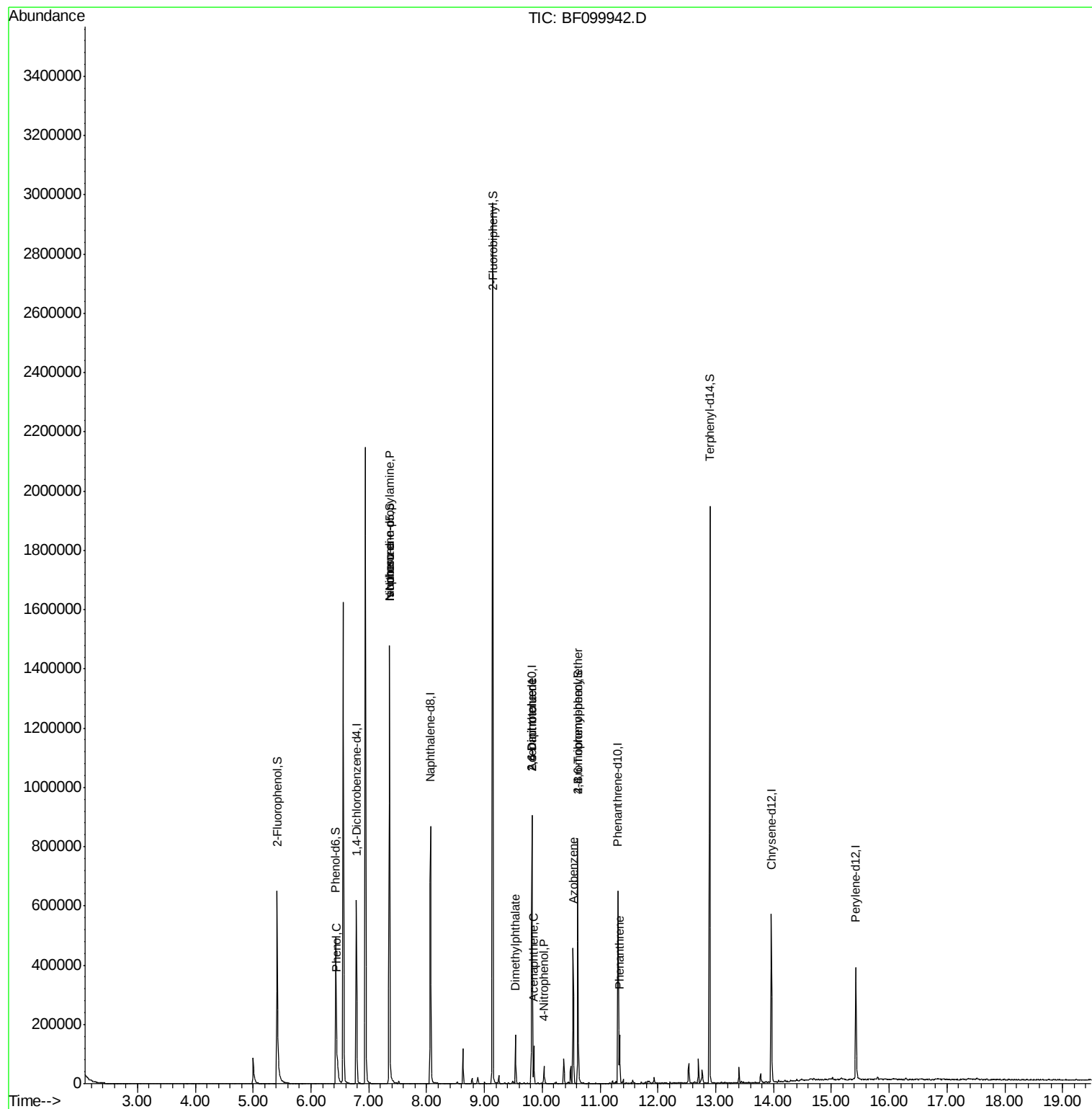
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	24522	2.749	ng	93
19) n-Nitroso-di-n-propylamine	7.36	70	70374	14.782	ng	# 72
25) Isophorone	7.36	82	568047	48.146	ng	# 64
49) Dimethylphthalate	9.54	163	70322	5.148	ng	99
50) 2,6-Dinitrotoluene	9.82	165	22150	7.713	ng	# 24
51) Acenaphthene	9.86	154	30597	2.869	ng	96
55) 4-Nitrophenol	10.03	139	10070	5.695	ng	# 9
56) 2,4-Dinitrotoluene	9.82	165	22150	6.404	ng	# 22
62) Azobenzene	10.53	77	69372	6.203	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	6611	2.571	ng	# 1
70) Phenanthrene	11.34	178	70812	5.137	ng	96

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

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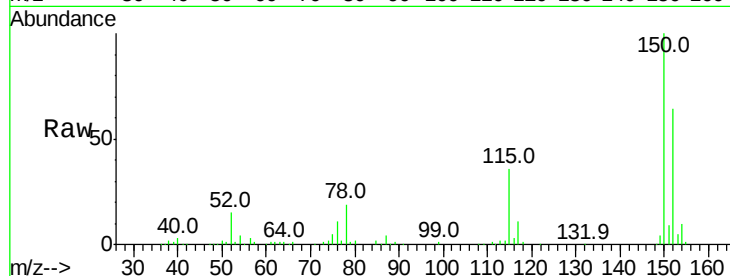


#1

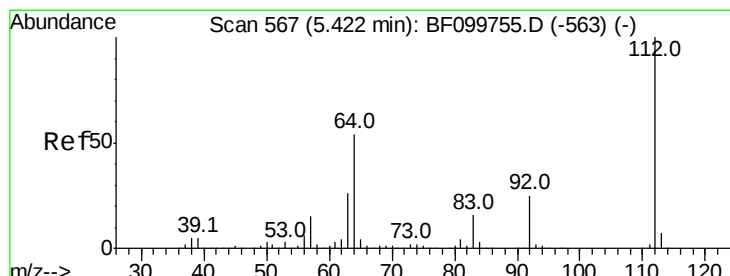
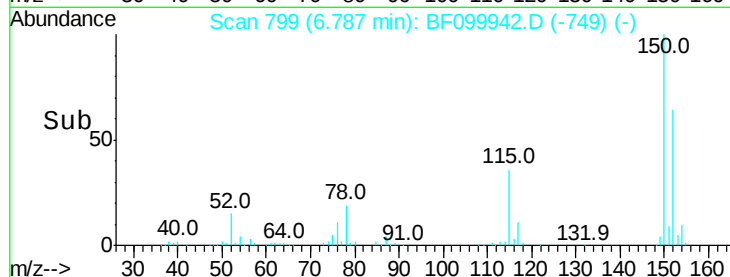
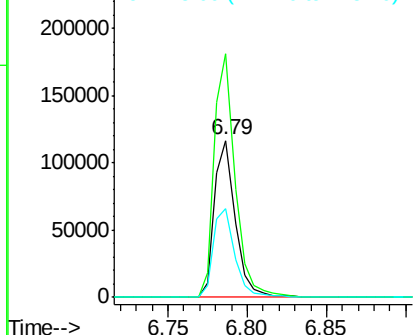
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF099942.D
 Acq: 29 Oct 2017 4:40

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 107568
 Ion Ratio Lower Upper
 152 100
 150 155.1 124.6 186.8
 115 56.6 50.1 75.1



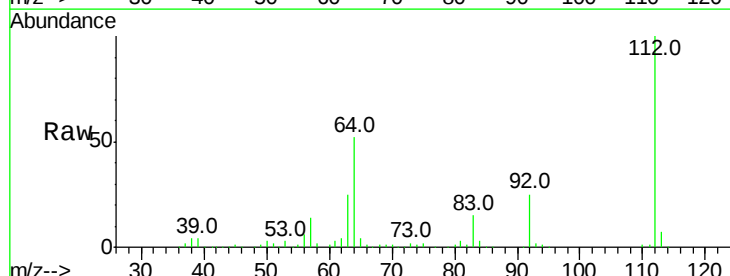
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



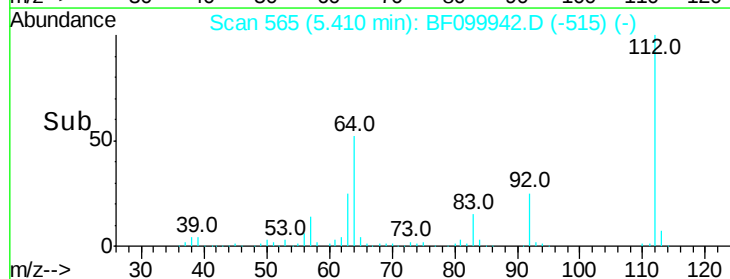
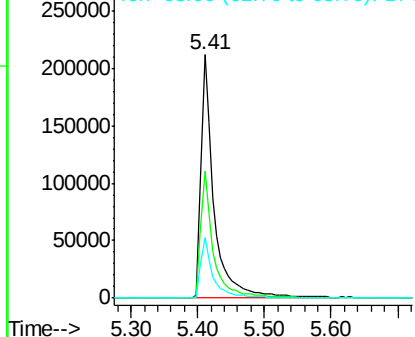
#5

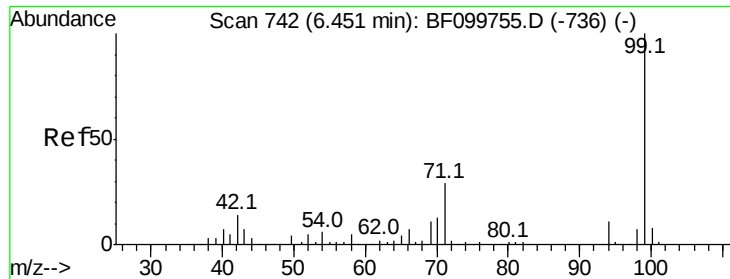
2-Fluorophenol
 Concen: 40.731 ng
 RT: 5.41 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: BF099942.D
 Acq: 29 Oct 2017 4:40

Tgt Ion:112 Resp: 279073
 Ion Ratio Lower Upper
 112 100
 64 52.0 47.9 71.9
 63 25.1 23.7 35.5



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: 29.286 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF099942.D

Acq: 29 Oct 2017 4:40

Instrument :

BNA_F

ClientSampled :

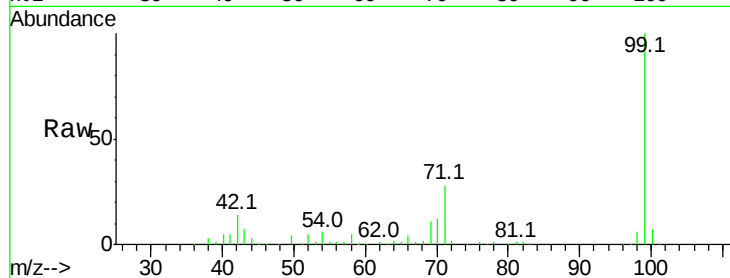
Tot Ion: 99 Resp: 237924

Ion Ratio Lower Upper

99 100

42 13.6 14.5 21.7#

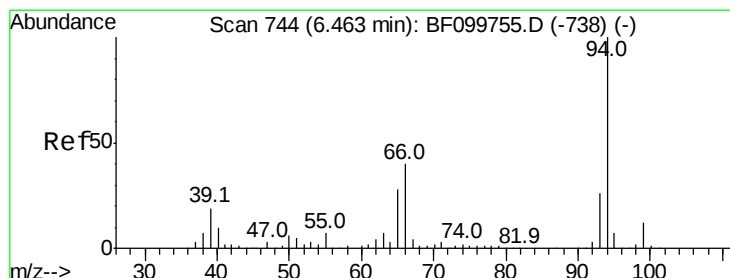
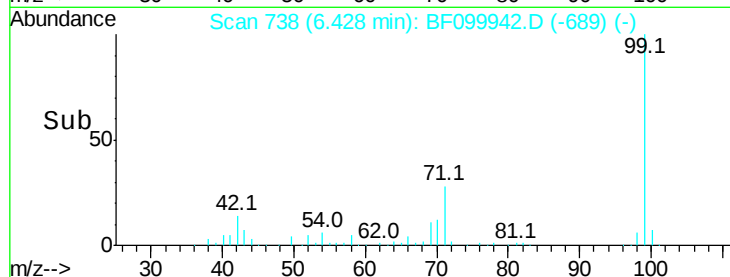
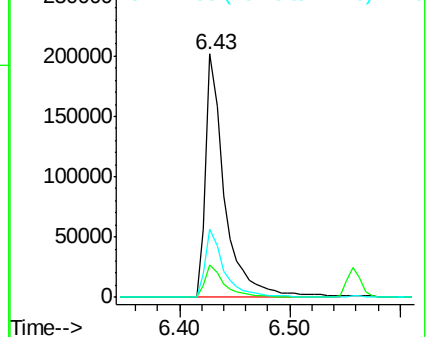
71 27.8 25.4 38.0



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: 2.749 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF099942.D

Acq: 29 Oct 2017 4:40

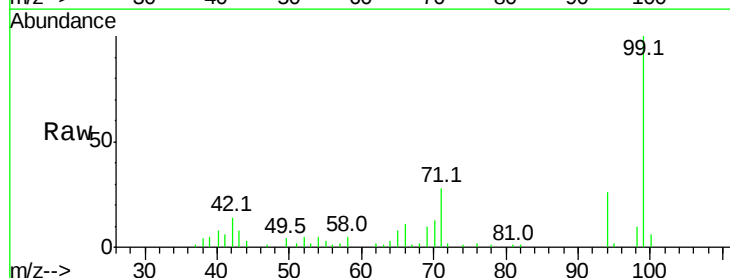
Tgt Ion: 94 Resp: 24522

Ion Ratio Lower Upper

94 100

65 29.6 7.9 47.9

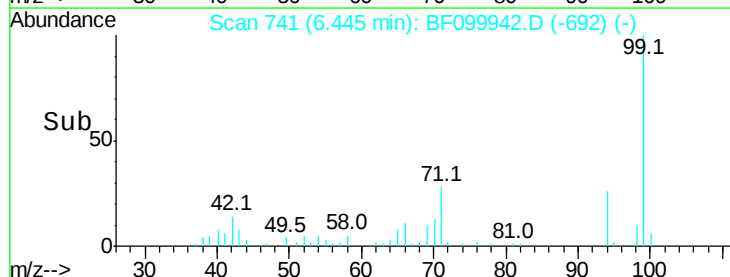
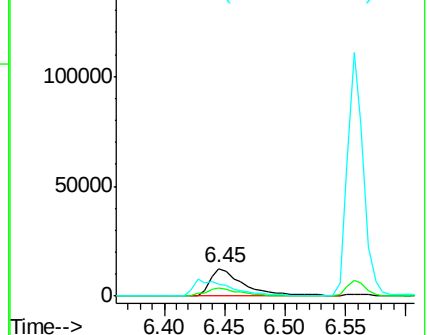
66 42.5 16.2 56.2

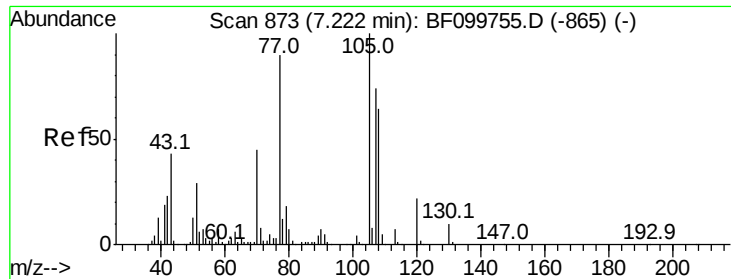


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

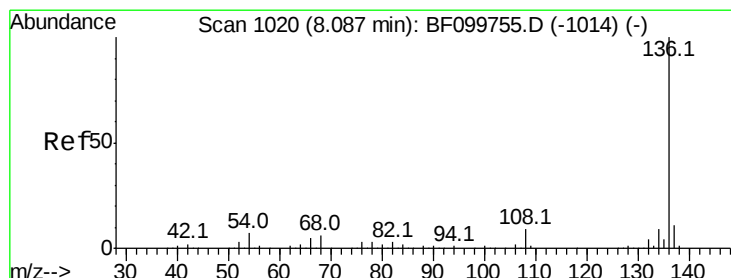
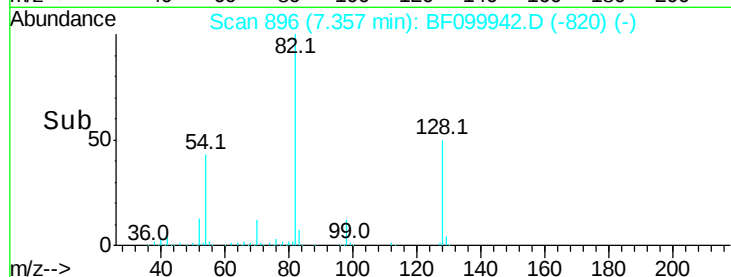
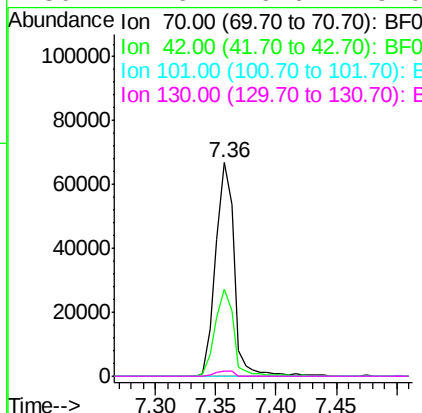
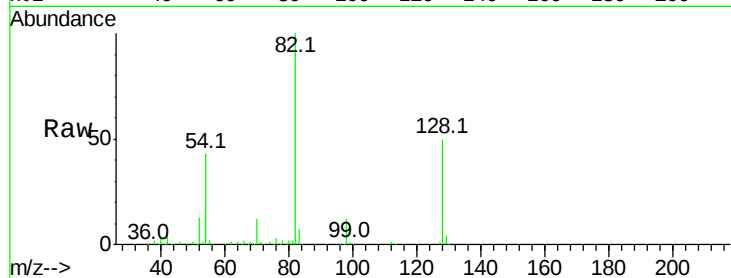




#19
n-Nitroso-di-n-propylamine
Concen: 14.782 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.15 min
Lab File: BF099942.D
Acq: 29 Oct 2017 4:40

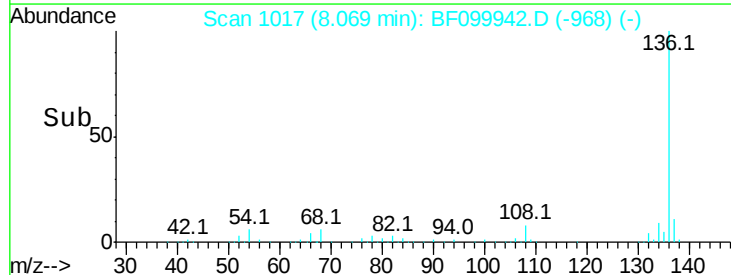
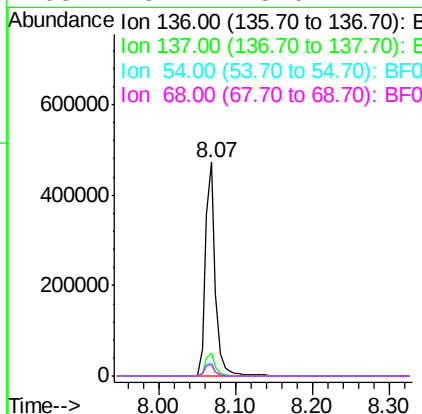
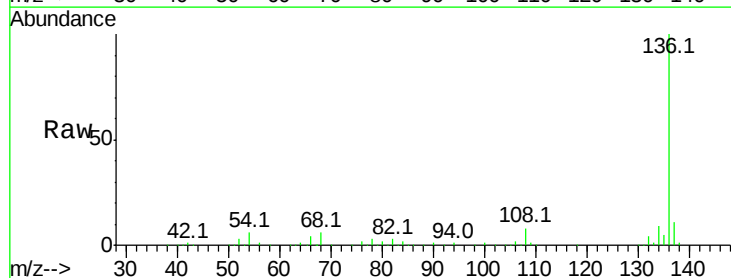
Instrument :
BNA_F
ClientSampleId :

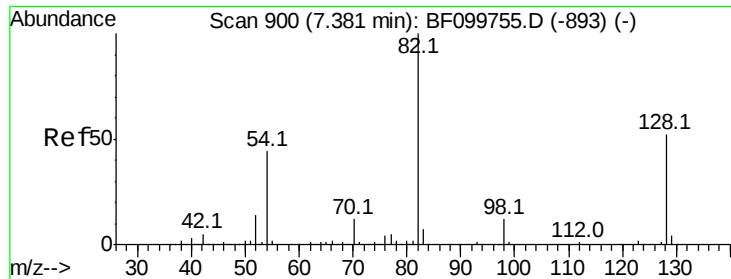
Tot Ion: 70 Resp: 70374
Ion Ratio Lower Upper
70 100
42 40.9 47.5 71.3#
101 0.0 7.4 11.2#
130 2.6 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF099942.D
Acq: 29 Oct 2017 4:40

Tgt Ion: 136 Resp: 418605
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 6.0 6.6 9.8#
68 5.7 5.0 7.4

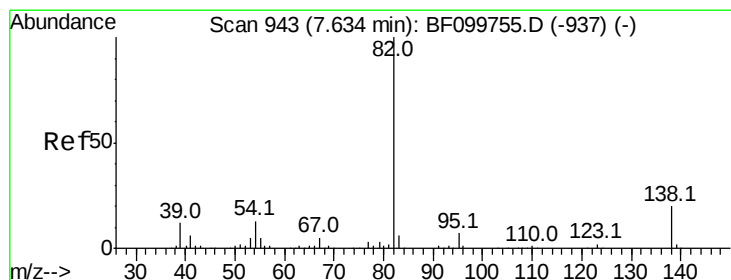
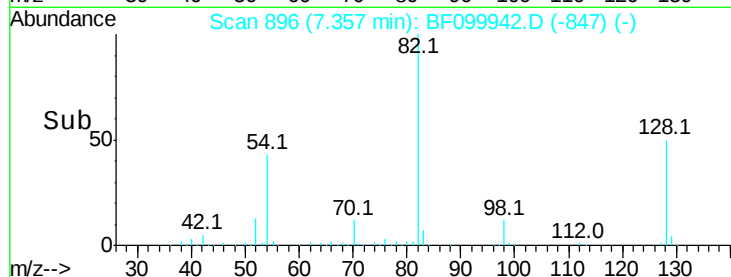
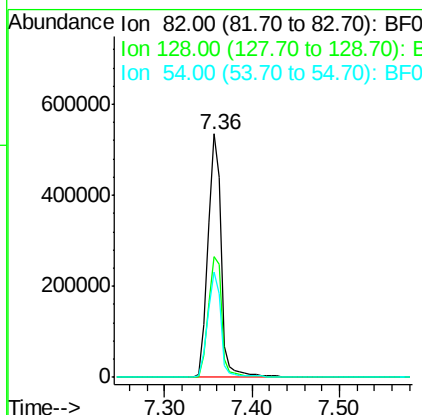
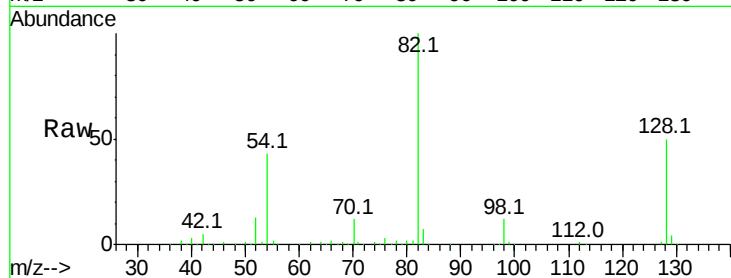




#23
 Nitrobenzene-d5
 Concen: 87.364 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF099942.D
 Acq: 29 Oct 2017 4:40

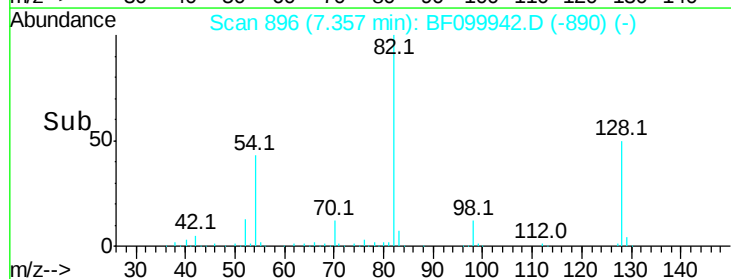
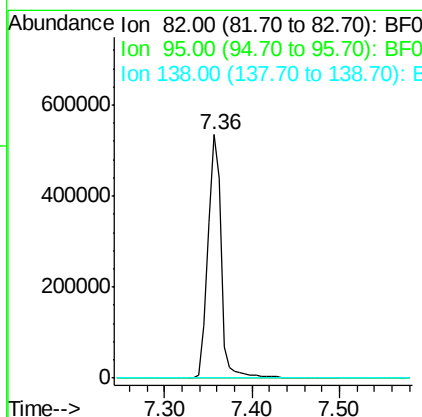
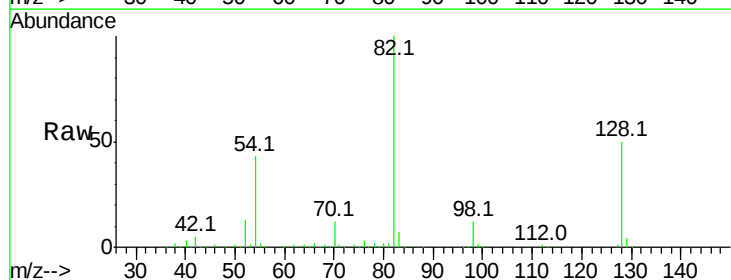
Instrument :
 BNA_F
 ClientSampleId :

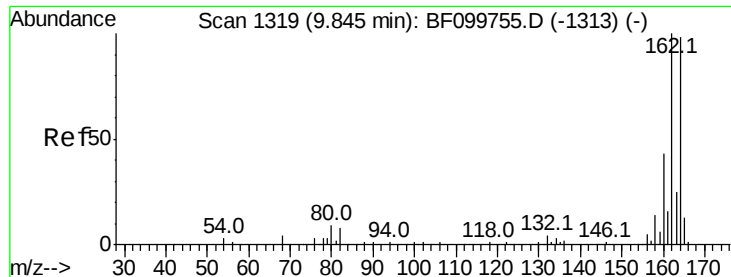
Tot Ion	Ratio	Lower	Upper
82	100		
128	49.6	36.1	54.1
54	43.2	41.4	62.2



#25
 Isophorone
 Concen: 48.146 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.26 min
 Lab File: BF099942.D
 Acq: 29 Oct 2017 4:40

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

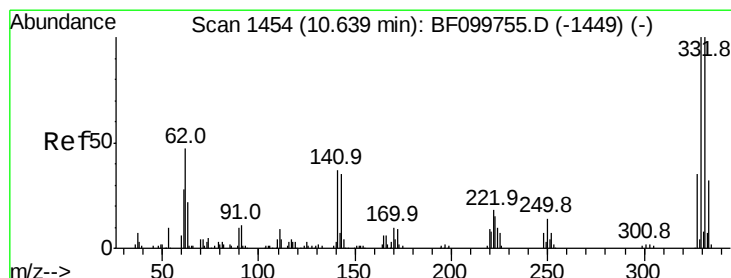
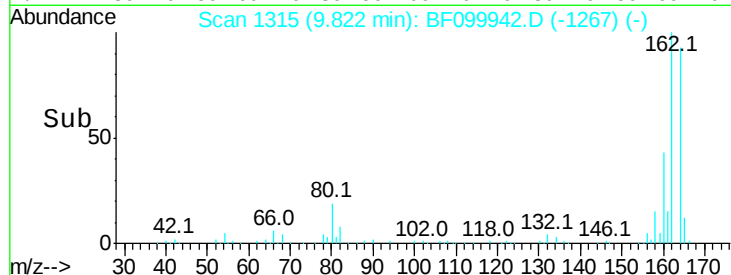
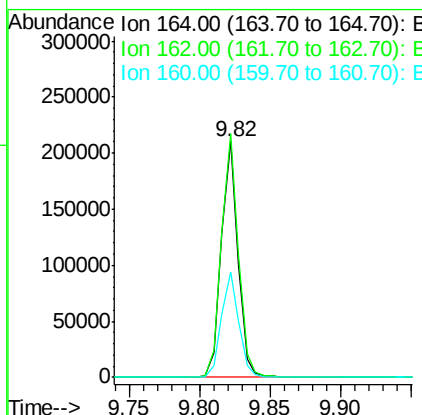
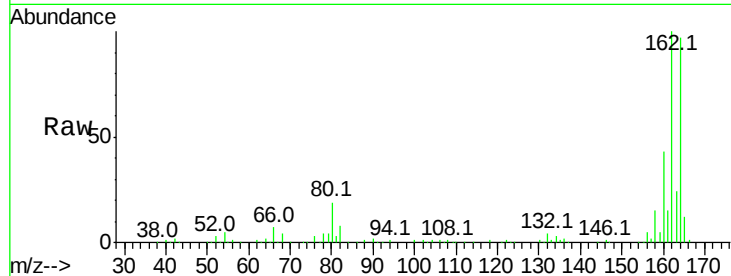




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.02 min
 Lab File: BF099942.D
 Acq: 29 Oct 2017 4:40

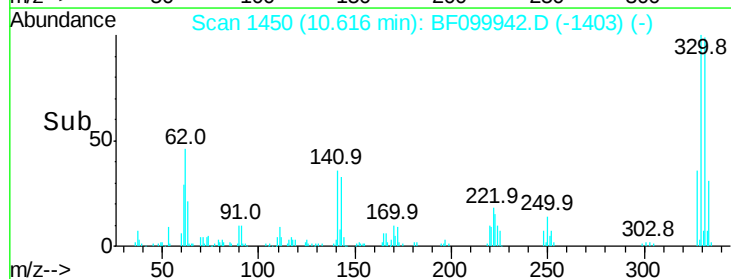
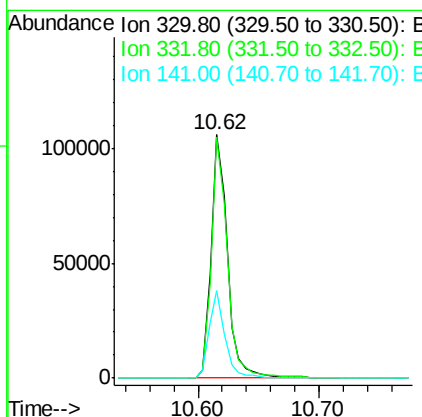
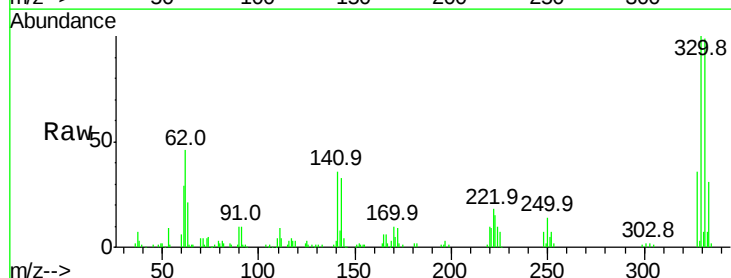
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.3	86.1	129.1
160	44.8	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 62.806 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.02 min
 Lab File: BF099942.D
 Acq: 29 Oct 2017 4:40

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	34.9	29.9	44.9

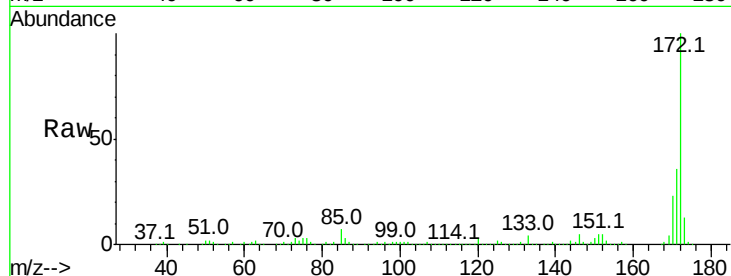




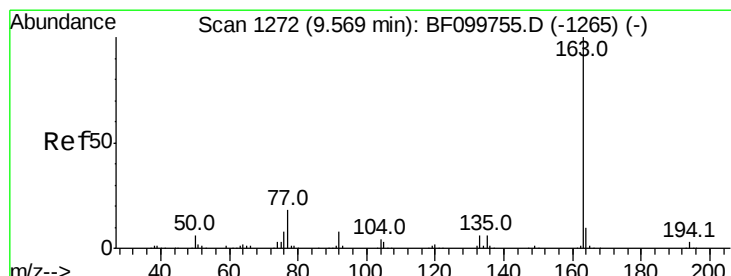
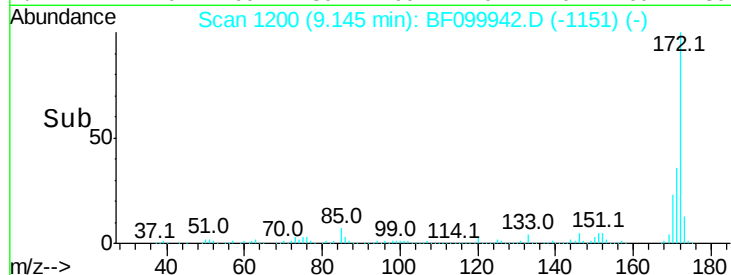
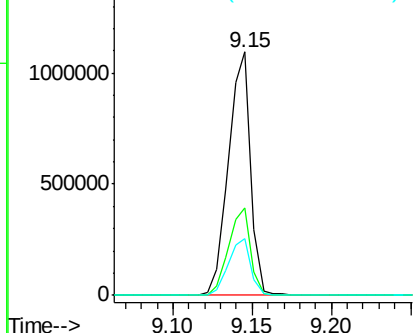
#44
2-Fluorobiphenyl
Concen: 94.708 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF099942.D
Acq: 29 Oct 2017 4:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1058940
Ion Ratio Lower Upper
172 100
171 35.8 29.7 44.5
170 23.4 19.6 29.4

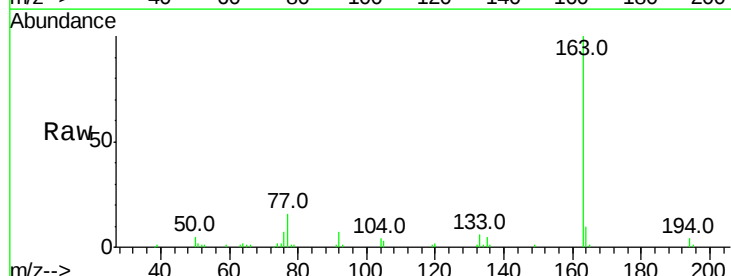


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

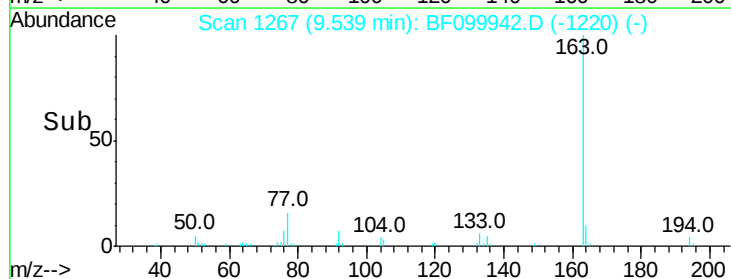
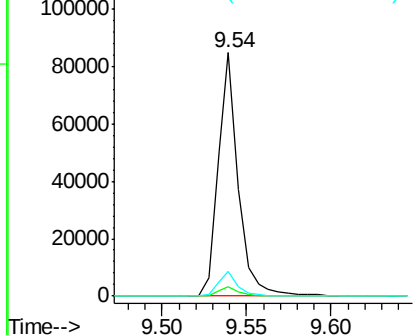


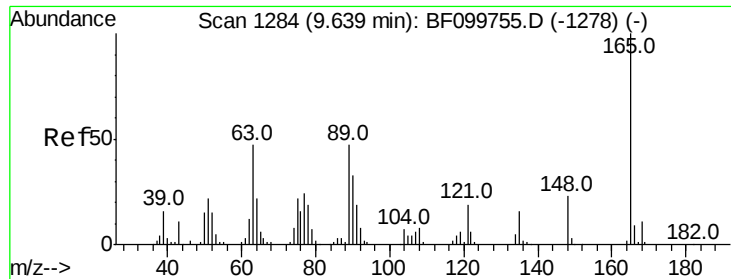
#49
Dimethylphthalate
Concen: 5.148 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF099942.D
Acq: 29 Oct 2017 4:40

Tgt Ion:163 Resp: 70322
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 9.9 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

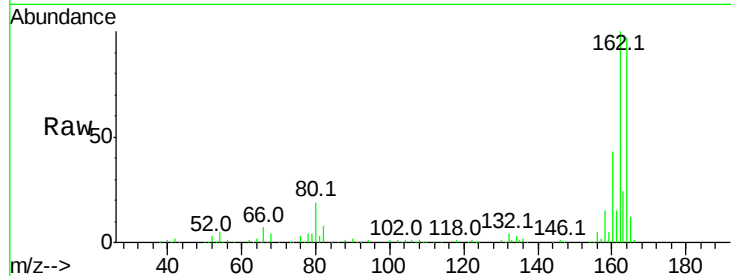




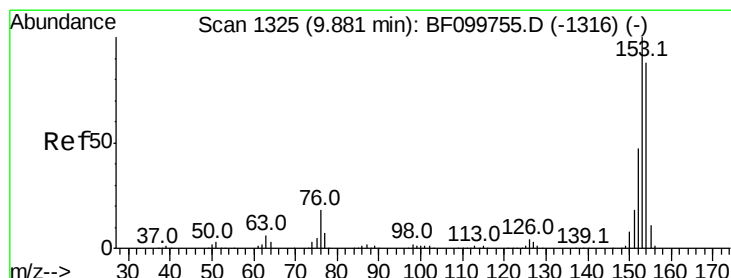
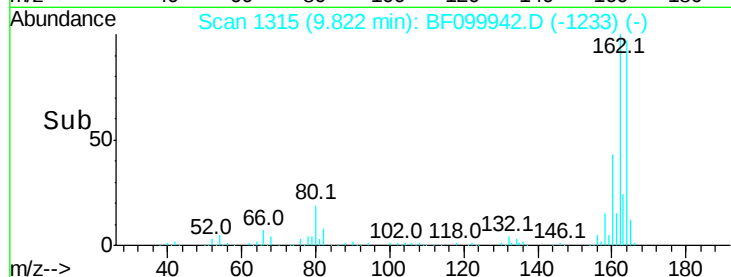
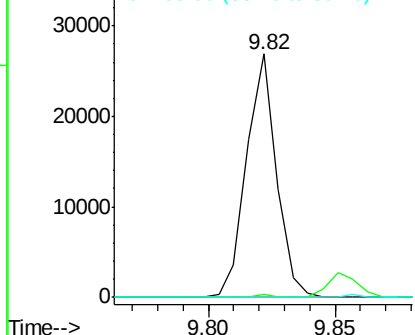
#50
2,6-Dinitrotoluene
Concen: 7.713 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.18 min
Lab File: BF099942.D
Acq: 29 Oct 2017 4:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	0.0	44.0	66.0#

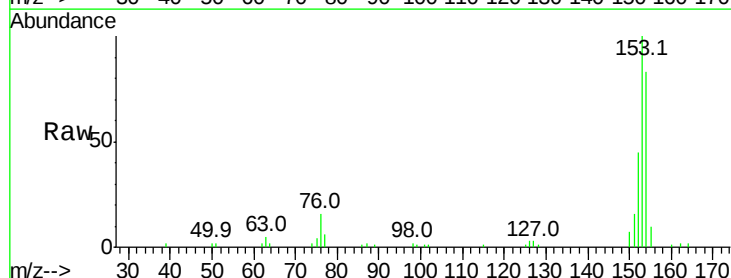


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

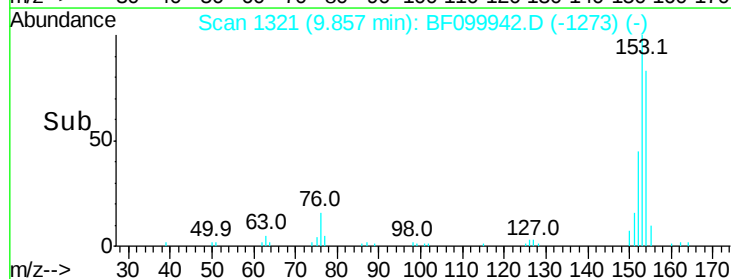
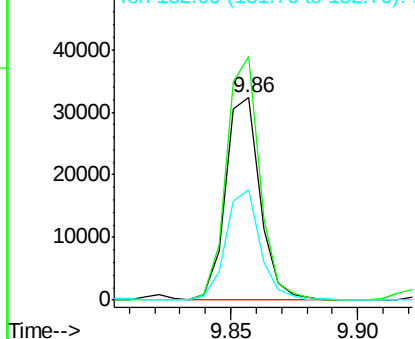


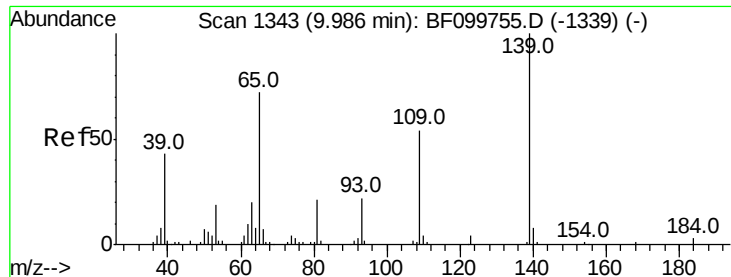
#51
Acenaphthene
Concen: 2.869 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.02 min
Lab File: BF099942.D
Acq: 29 Oct 2017 4:40

Tgt Ion	Ratio	Lower	Upper
154	100		
153	120.2	91.2	136.8
152	54.6	43.8	65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#55

4-Nitrophenol

Concen: 5.695 ng

RT: 10.03 min Scan# 1351

Delta R.T. 0.04 min

Lab File: BF099942.D

Acq: 29 Oct 2017 4:40

Instrument :

BNA_F

ClientSampleId :

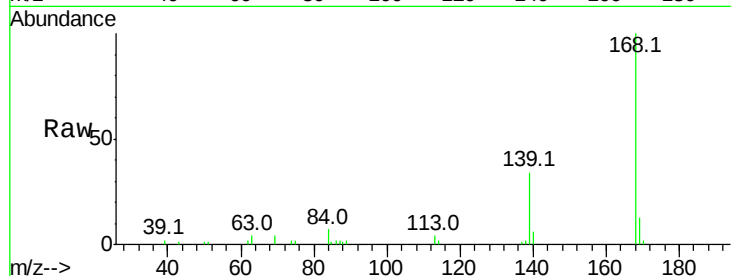
Tot Ion:139 Resp: 10070

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

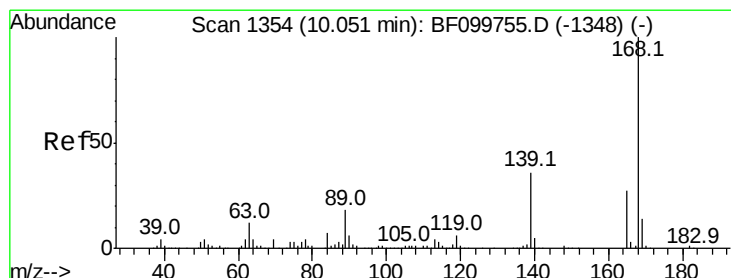
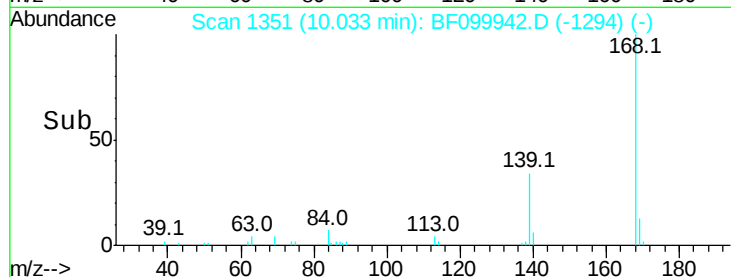
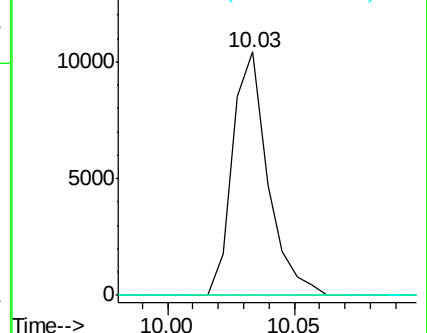
65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.404 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.23 min

Lab File: BF099942.D

Acq: 29 Oct 2017 4:40

Tgt Ion:165 Resp: 22150

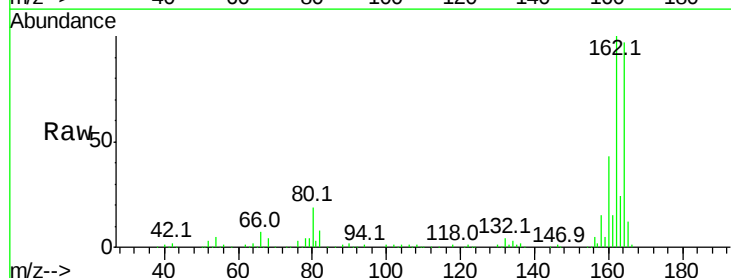
Ion Ratio Lower Upper

165 100

63 1.2 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

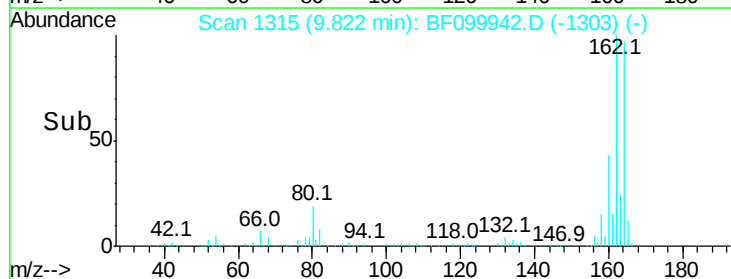
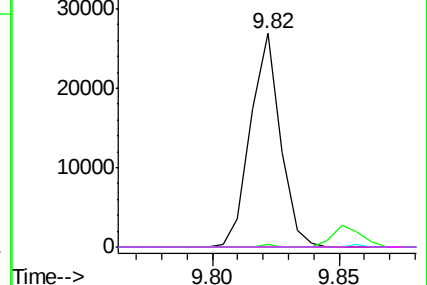


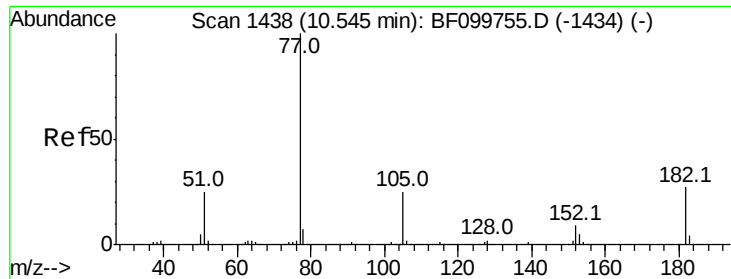
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#62

Azobenzene

Concen: 6.203 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BF099942.D

Acq: 29 Oct 2017 4:40

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 69372

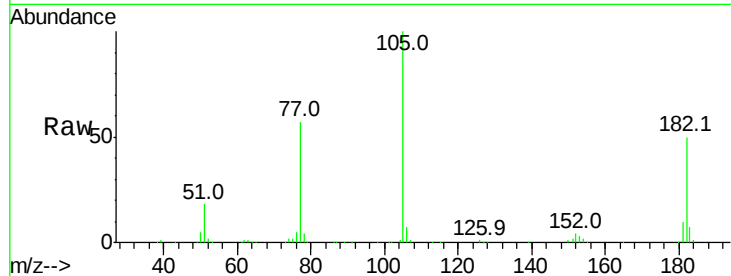
Ion Ratio Lower Upper

77 100

182 87.6 1.7 41.7#

105 177.0 3.0 43.0#

51 32.4 9.9 49.9

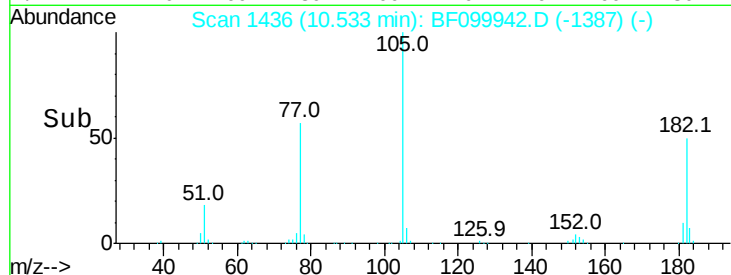


Abundance Ion 77.00 (76.70 to 77.70): BF0

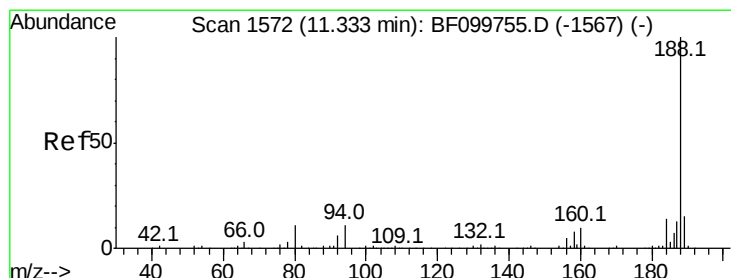
Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



Time-->



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.02 min

Lab File: BF099942.D

Acq: 29 Oct 2017 4:40

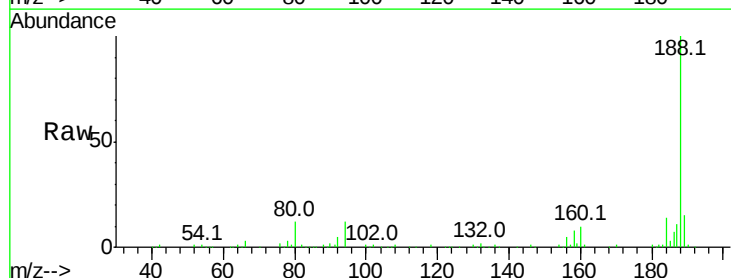
Tgt Ion: 188 Resp: 244275

Ion Ratio Lower Upper

188 100

94 11.6 8.5 12.7

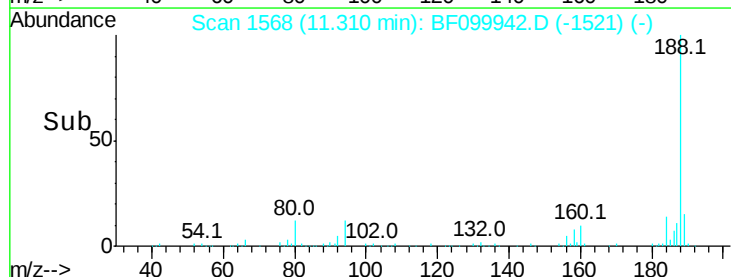
80 11.9 9.2 13.8



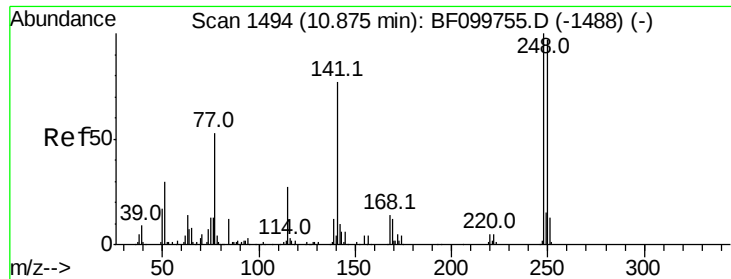
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



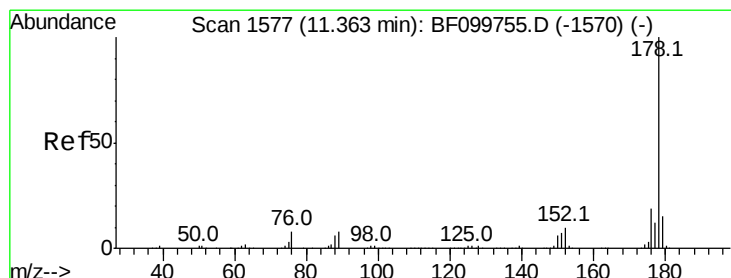
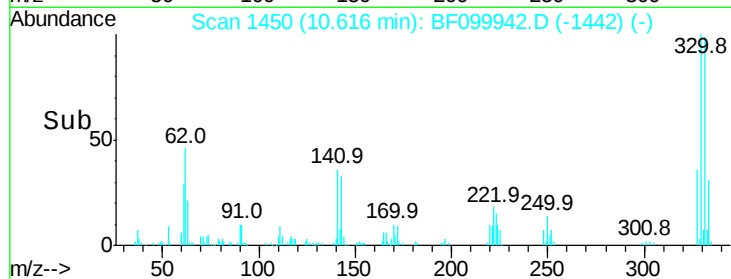
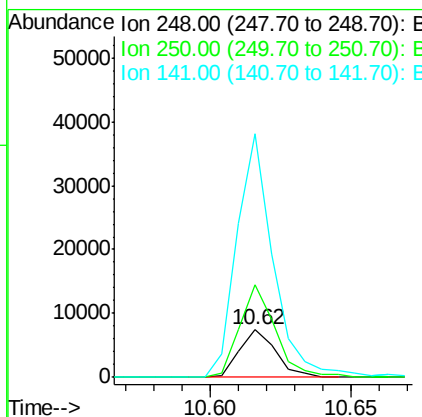
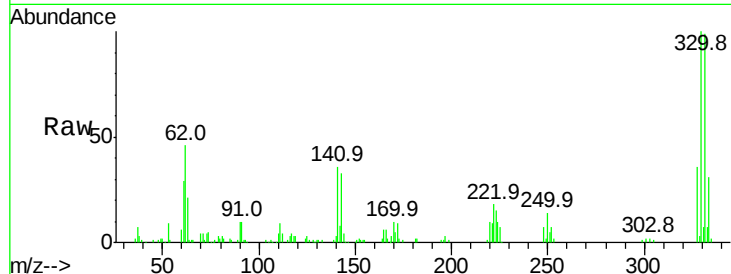
Time-->



#66
 4-Bromophenyl-phenylether
 Concen: 2.571 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.25 min
 Lab File: BF099942.D
 Acq: 29 Oct 2017 4:40

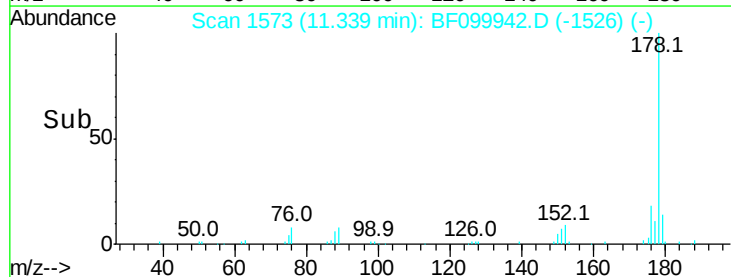
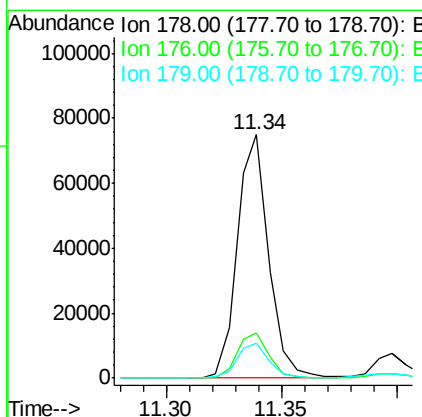
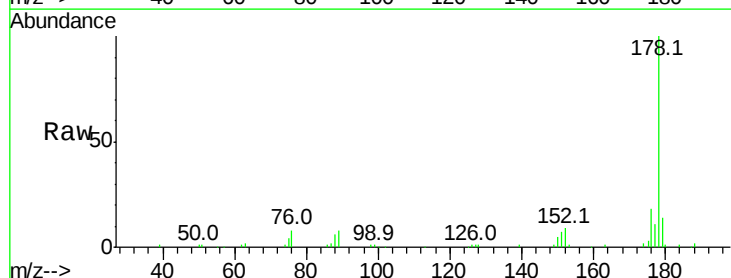
Instrument :
 BNA_F
 ClientSampled :

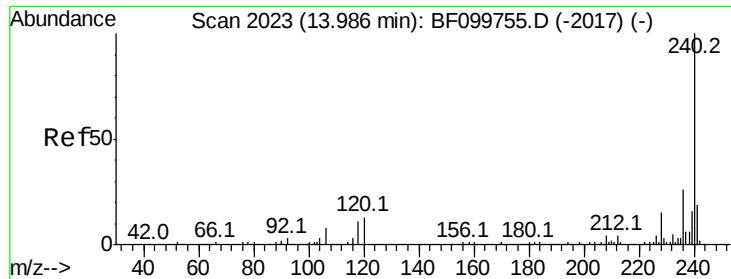
Tot Ion:248 Resp: 6611
 Ion Ratio Lower Upper
 248 100
 250 195.1 76.9 115.3#
 141 511.5 74.4 111.6#



#70
 Phenanthrene
 Concen: 5.137 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.02 min
 Lab File: BF099942.D
 Acq: 29 Oct 2017 4:40

Tgt Ion:178 Resp: 70812
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.8 23.8
 179 14.3 13.0 19.6

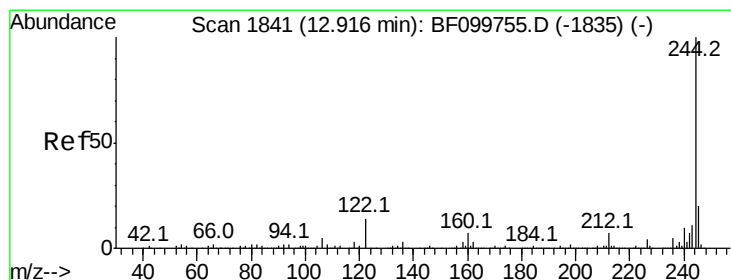
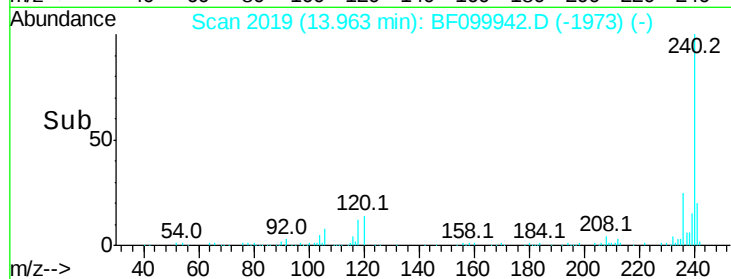
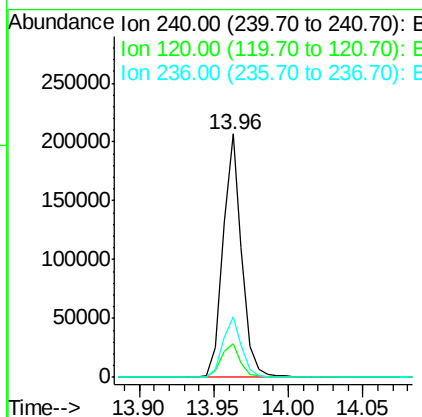
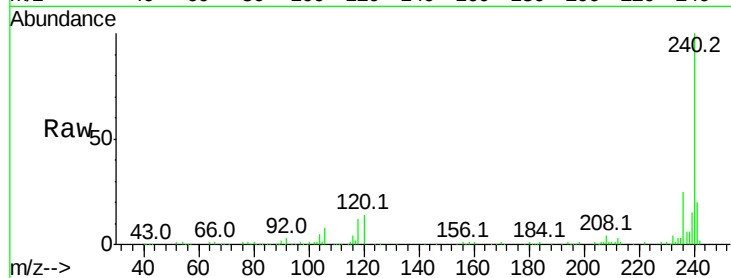




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.03 min
 Lab File: BF099942.D
 Acq: 29 Oct 2017 4:40

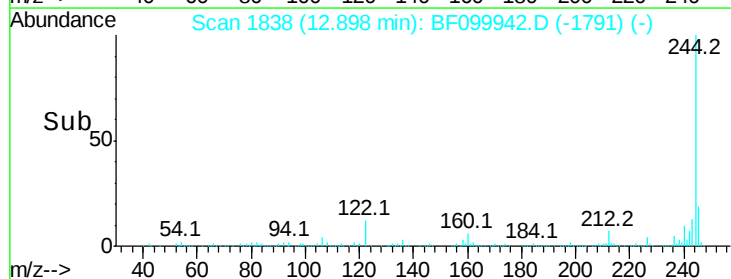
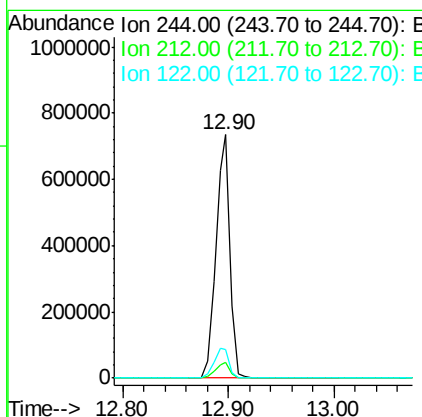
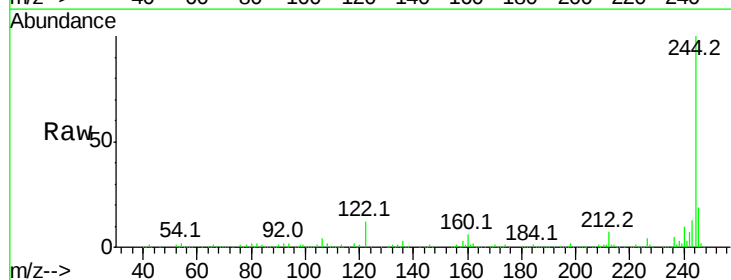
Instrument :
 BNA_F
 ClientSampleId :

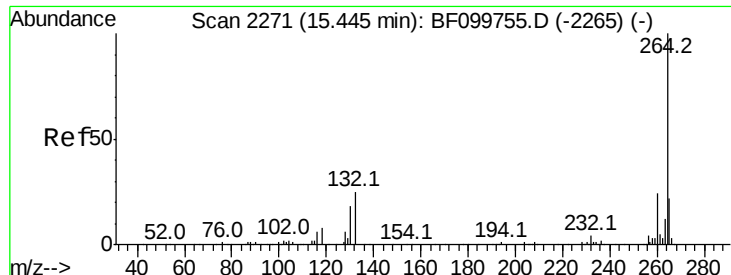
Tot Ion:240 Resp: 182719
 Ion Ratio Lower Upper
 240 100
 120 13.7 9.5 14.3
 236 24.9 20.7 31.1



#78
 Terphenyl-d14
 Concen: 82.404 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.02 min
 Lab File: BF099942.D
 Acq: 29 Oct 2017 4:40

Tgt Ion:244 Resp: 688979
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 11.8 11.0 16.4

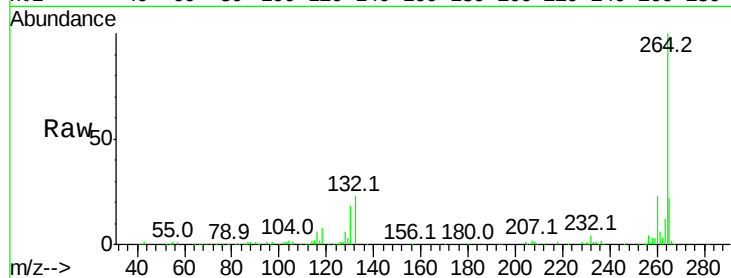




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.04 min
Lab File: BF099942.D
Acq: 29 Oct 2017 4:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	21.5	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

