

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030216\
 Data File : BF085149.D
 Acq On : 3 Mar 2016 5:06
 Operator : SJ/IZ
 Sample : H1623-14
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-41-022516

Quant Time: Mar 03 06:30:19 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 02 13:25:39 2016
 Response via : Initial Calibration

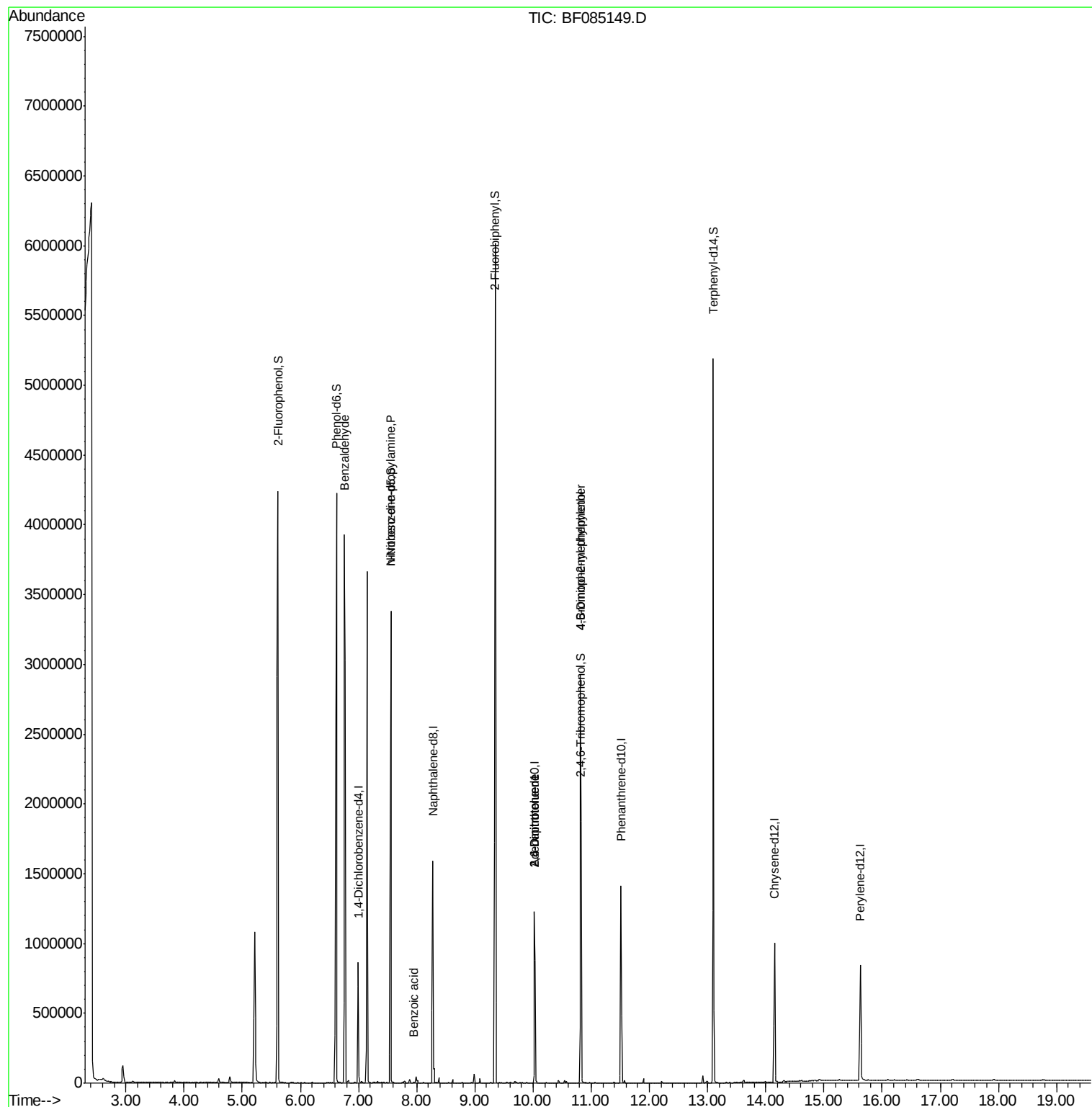
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	177357	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	730654	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	311680	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	528472	20.00	ng	0.00
75) Chrysene-d12	14.15	240	377235	20.00	ng	0.00
86) Perylene-d12	15.63	264	387766	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1529060	139.96	ng	0.03
7) Phenol-d6	6.62	99	1806999	126.17	ng	0.00
23) Nitrobenzene-d5	7.56	82	1320816	96.18	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	537520	171.61	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	1866350	88.19	ng	0.00
78) Terphenyl-d14	13.10	244	1563721	97.24	ng	0.00
Target Compounds						
9) Benzaldehyde	6.76	77	33613	2.37	ng	81
19) n-Nitroso-di-n-propylamine	7.56	70	181247	19.20	ng	# 77
32) Benzoic acid	7.94	122	931	12.50	ng	# 59
50) 2,6-Dinitrotoluene	10.02	165	39971	8.34	ng	# 22
56) 2,4-Dinitrotoluene	10.02	165	39963	6.19	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.81	198	987	7.47	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	30747	5.54	ng	# 1

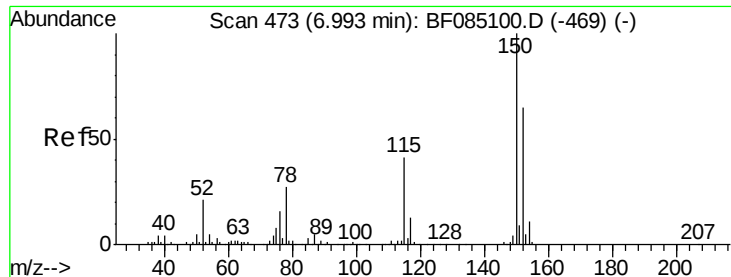
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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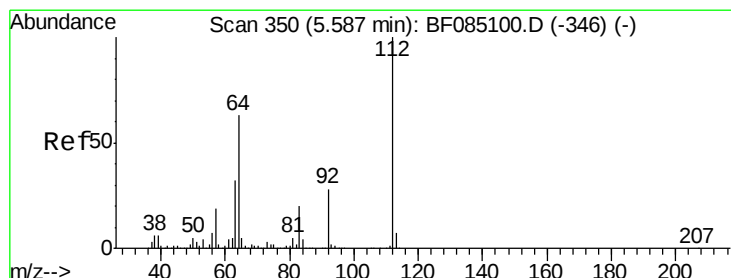
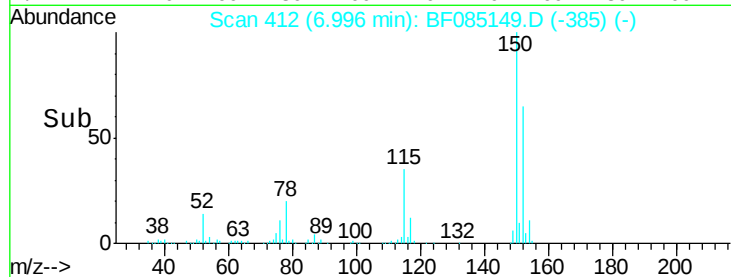
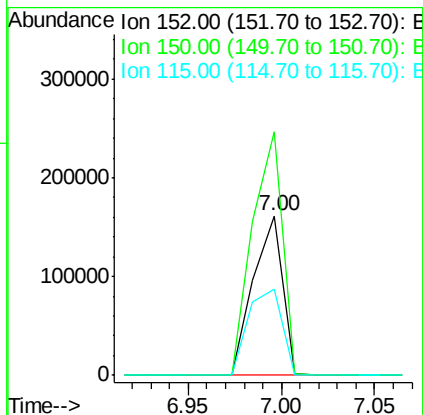
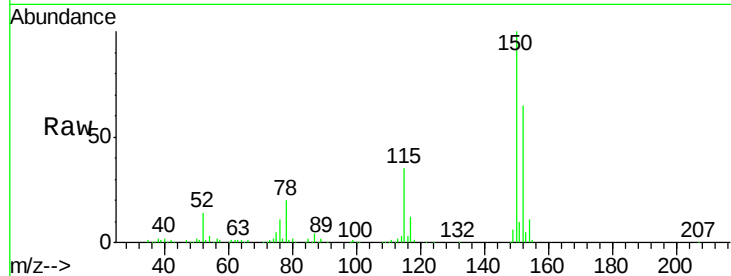


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.00 min Scan# 412
Delta R.T. 0.00 min
Lab File: BF085149.D
Acq: 3 Mar 2016 5:06

Instrument :
BNA_F
ClientSampleId :
HSR-WC-41-022516

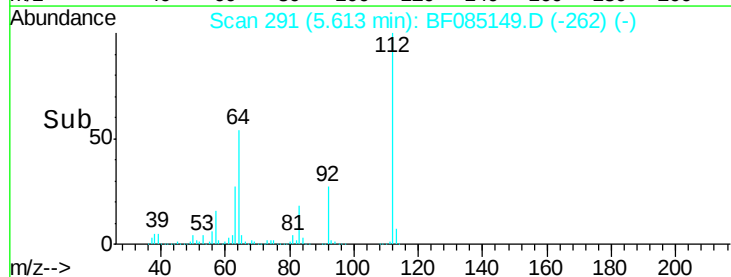
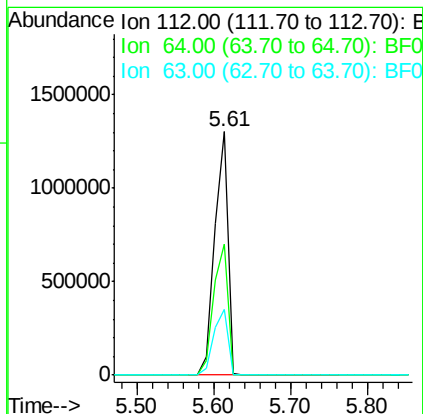
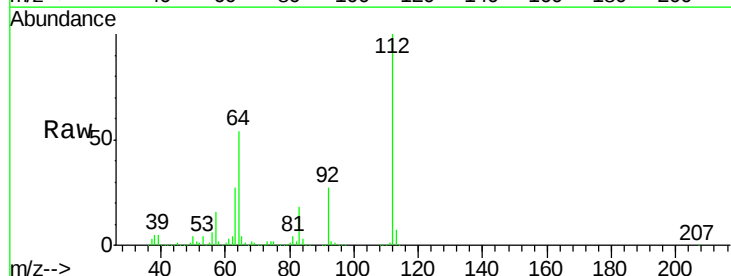
Tgt Ion:152 Resp: 177357
Ion Ratio Lower Upper
152 100
150 152.8 123.4 185.0
115 54.0 50.0 75.0

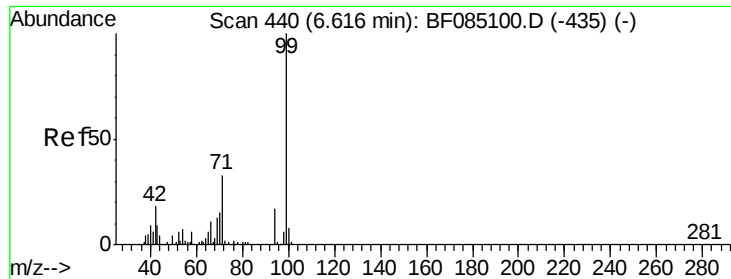


#5

2-Fluorophenol
Concen: 139.96 ng
RT: 5.61 min Scan# 291
Delta R.T. 0.03 min
Lab File: BF085149.D
Acq: 3 Mar 2016 5:06

Tgt Ion:112 Resp: 1529060
Ion Ratio Lower Upper
112 100
64 53.6 50.6 76.0
63 27.2 25.5 38.3





#7

Phenol-d6

Concen: 126.17 ng

RT: 6.62 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF085149.D

Acq: 3 Mar 2016 5:06

Instrument :

BNA_F

ClientSampleId :

HSR-WC-41-022516

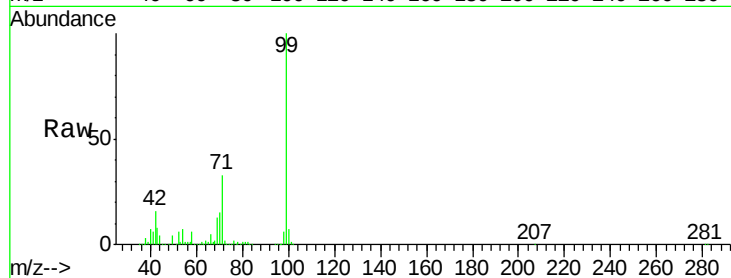
Tgt Ion: 99 Resp: 1806999

Ion Ratio Lower Upper

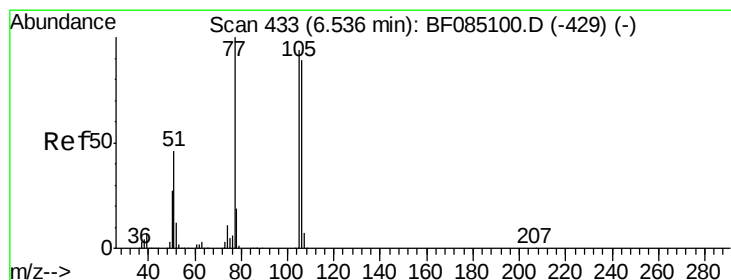
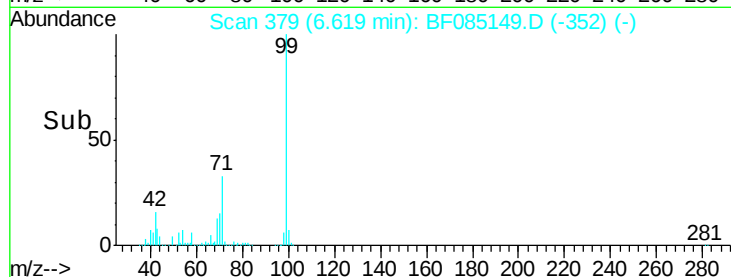
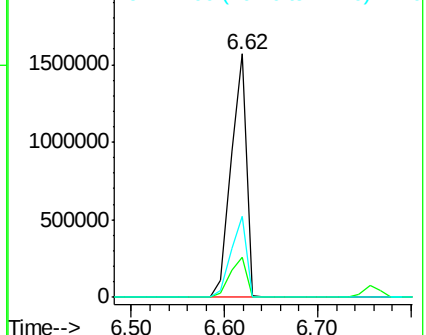
99 100

42 16.5 14.1 21.1

71 33.3 26.8 40.2



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



#9

Benzaldehyde

Concen: 2.37 ng

RT: 6.76 min Scan# 391

Delta R.T. 0.22 min

Lab File: BF085149.D

Acq: 3 Mar 2016 5:06

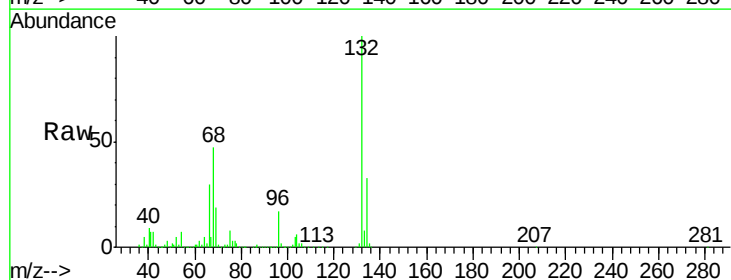
Tgt Ion: 77 Resp: 33613

Ion Ratio Lower Upper

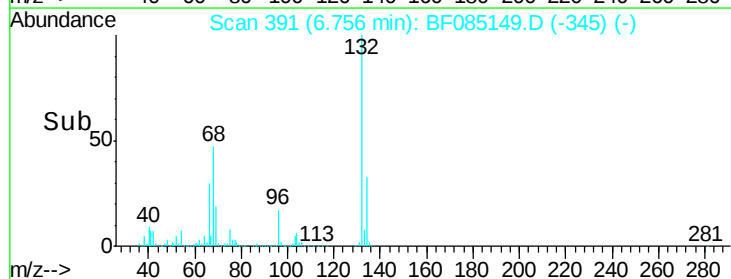
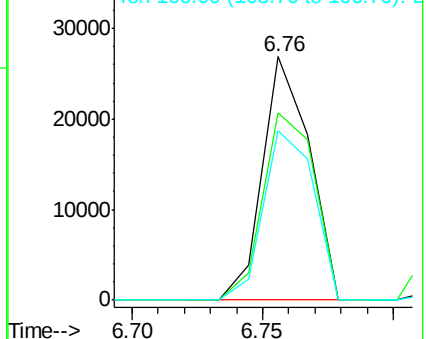
77 100

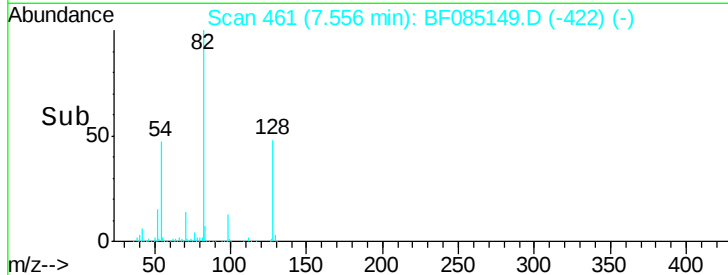
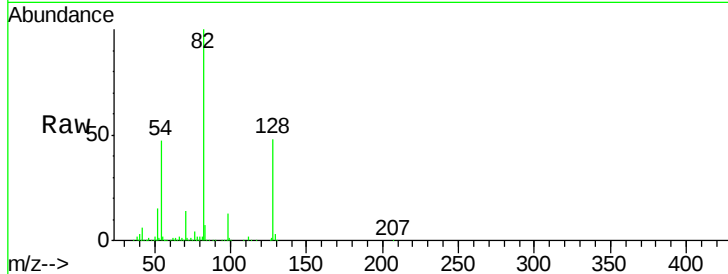
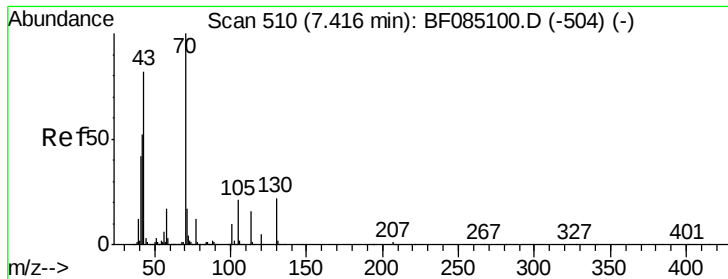
105 77.0 73.7 113.7

106 69.6 69.2 109.2



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): B
Ion 106.00 (105.70 to 106.70): B

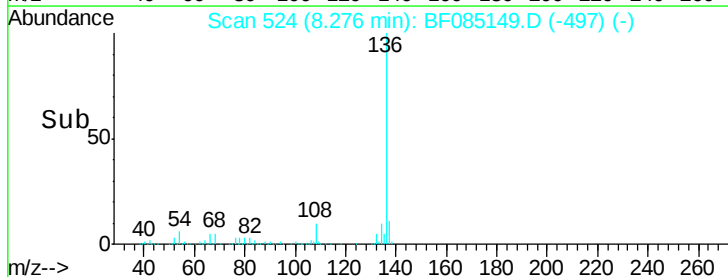
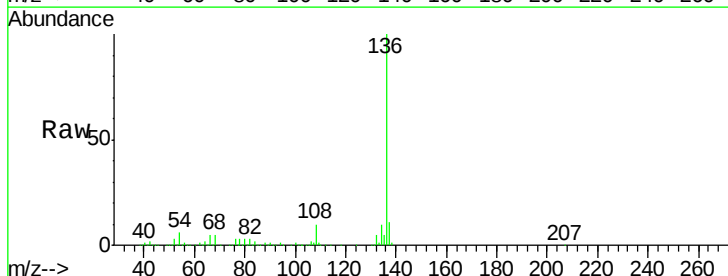
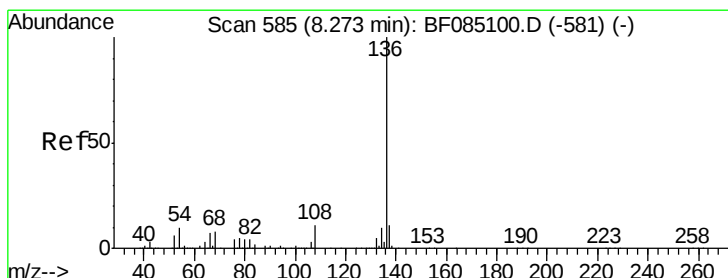
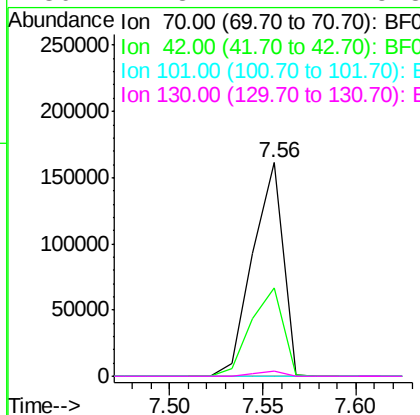




#19
n-Nitroso-di-n-propylamine
Concen: 19.20 ng
RT: 7.56 min Scan# 461
Delta R.T. 0.14 min
Lab File: BF085149.D
Acq: 3 Mar 2016 5:06

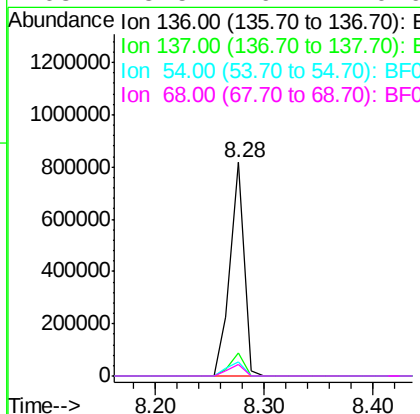
Instrument :
BNA_F
ClientSampleId :
HSR-WC-41-022516

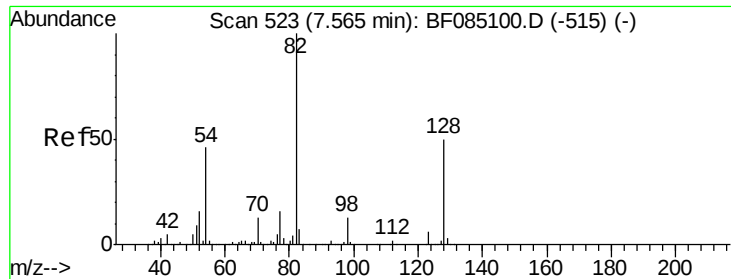
Tgt Ion:	70	Resp:	181247
Ion Ratio	Lower	Upper	
70	100		
42	41.6	41.9	62.9#
101	0.0	7.8	11.8#
130	2.3	17.2	25.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.28 min Scan# 524
Delta R.T. 0.00 min
Lab File: BF085149.D
Acq: 3 Mar 2016 5:06

Tgt Ion:	136	Resp:	730654
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.1	13.7
54	6.4	8.5	12.7#
68	5.5	6.4	9.6#

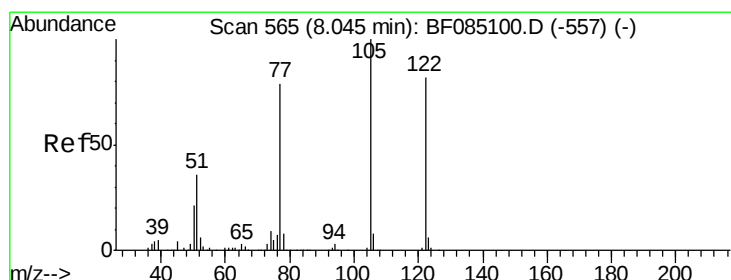
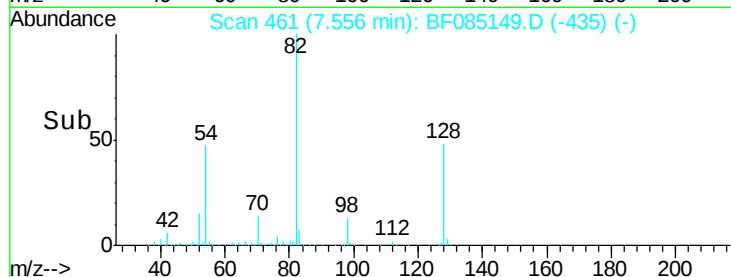
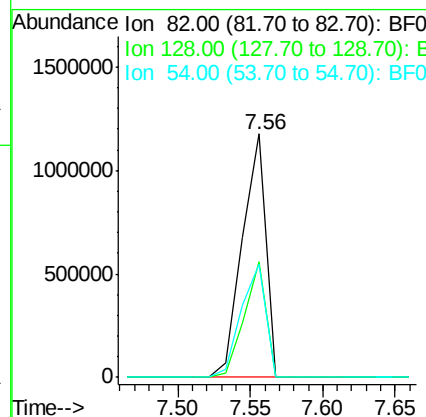
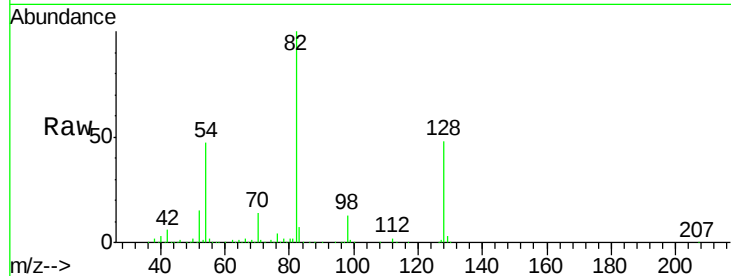




#23
 Nitrobenzene-d5
 Concen: 96.18 ng
 RT: 7.56 min Scan# 461
 Delta R.T. -0.01 min
 Lab File: BF085149.D
 Acq: 3 Mar 2016 5:06

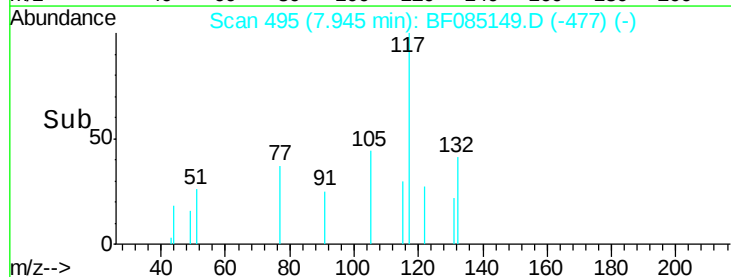
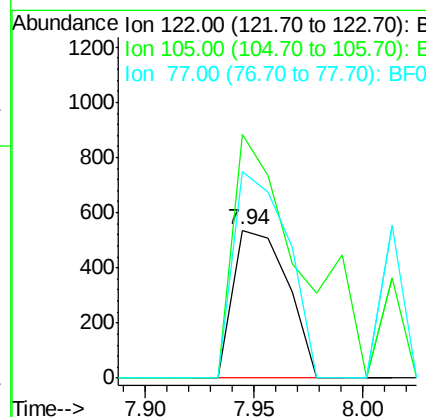
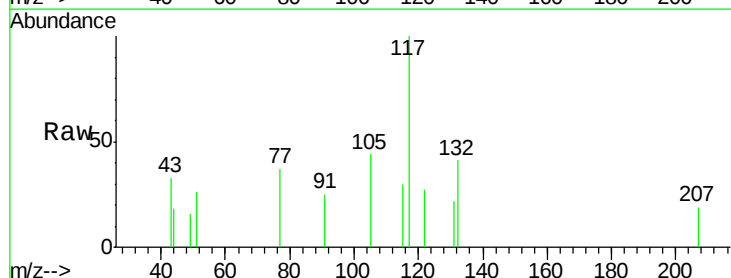
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-41-022516

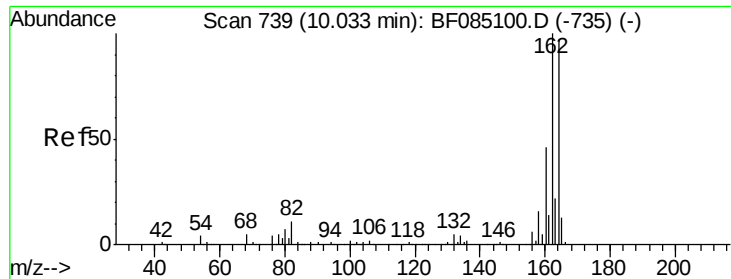
Tgt Ion: 82 Resp: 1320816
 Ion Ratio Lower Upper
 82 100
 128 47.6 39.8 59.6
 54 46.6 36.6 54.8



#32
 Benzoic acid
 Concen: 12.50 ng
 RT: 7.94 min Scan# 495
 Delta R.T. -0.10 min
 Lab File: BF085149.D
 Acq: 3 Mar 2016 5:06

Tgt Ion: 122 Resp: 931
 Ion Ratio Lower Upper
 122 100
 105 164.7 102.0 142.0#
 77 139.9 76.8 116.8#

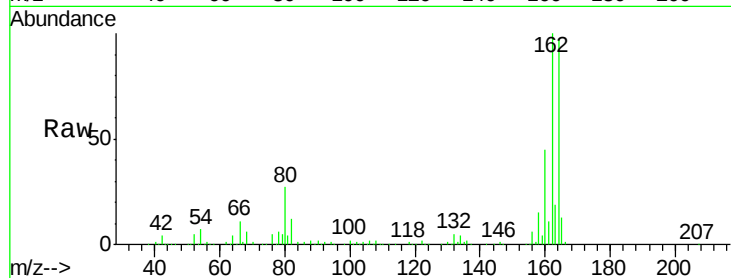




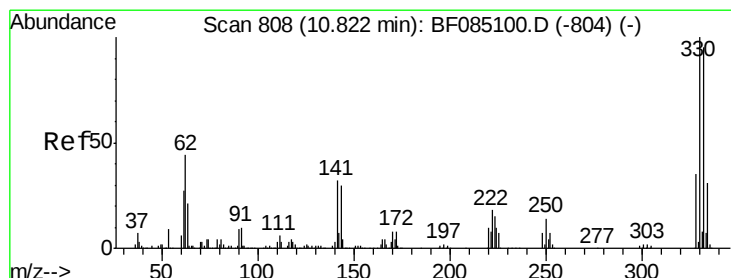
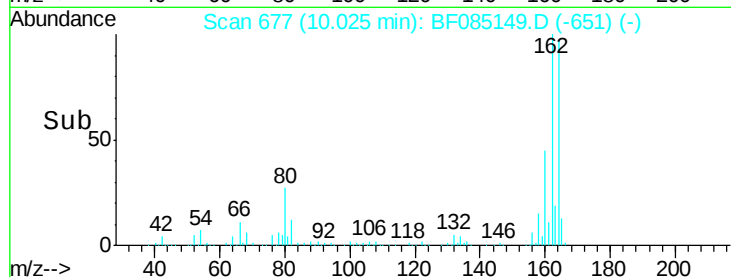
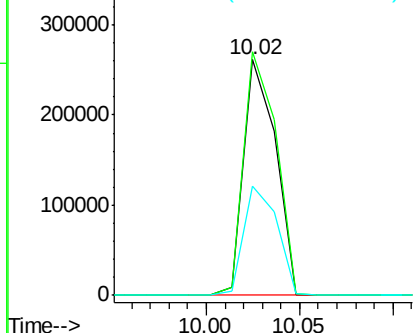
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.02 min Scan# 677
Delta R.T. -0.01 min
Lab File: BF085149.D
Acq: 3 Mar 2016 5:06

Instrument :
BNA_F
ClientSampleId :
HSR-WC-41-022516

Tgt Ion:164 Resp: 311680
Ion Ratio Lower Upper
164 100
162 103.3 82.6 123.8
160 46.1 38.2 57.2

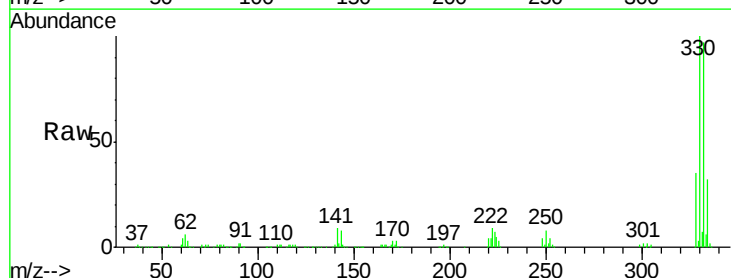


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

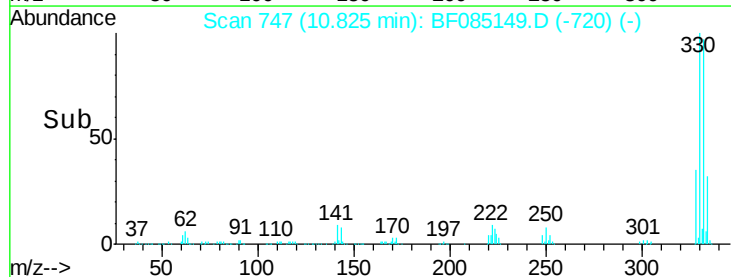
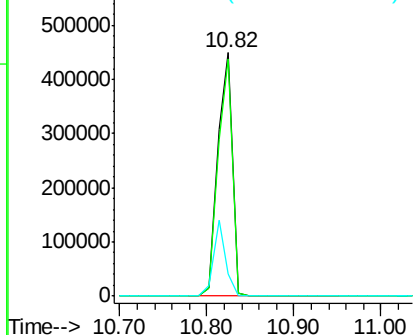


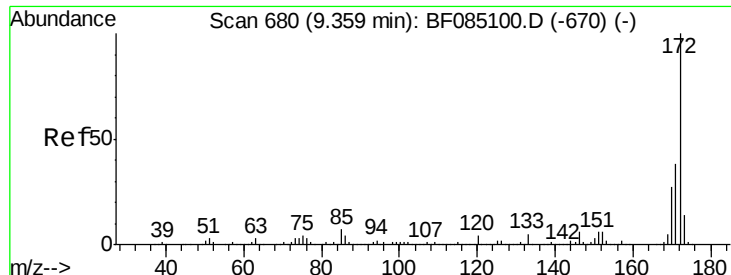
#41
2,4,6-Tribromophenol
Concen: 171.61 ng
RT: 10.82 min Scan# 747
Delta R.T. 0.00 min
Lab File: BF085149.D
Acq: 3 Mar 2016 5:06

Tgt Ion:330 Resp: 537520
Ion Ratio Lower Upper
330 100
332 96.0 75.9 113.9
141 25.9 28.9 43.3#



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

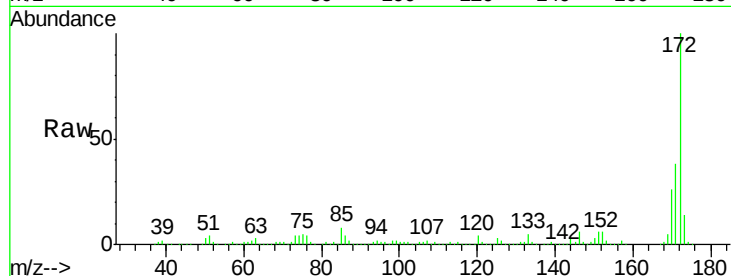




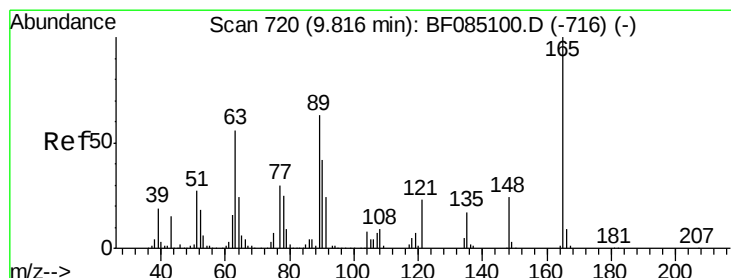
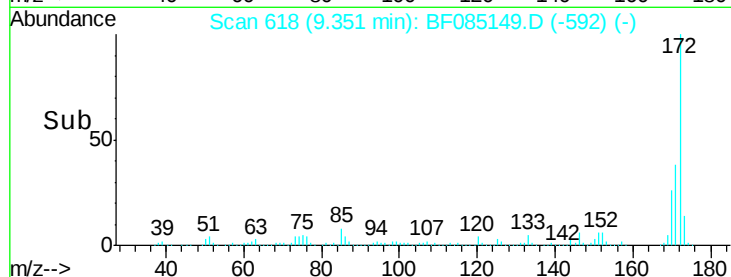
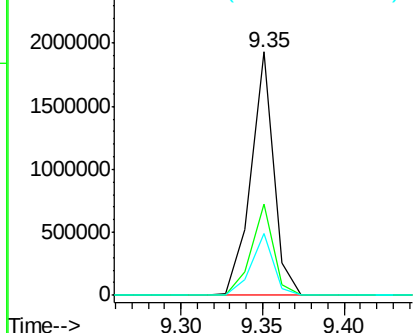
#44
 2-Fluorobiphenyl
 Concen: 88.19 ng
 RT: 9.35 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF085149.D
 Acq: 3 Mar 2016 5:06

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-41-022516

Tgt Ion:172 Resp: 1866350
 Ion Ratio Lower Upper
 172 100
 171 37.5 30.5 45.7
 170 25.6 21.2 31.8

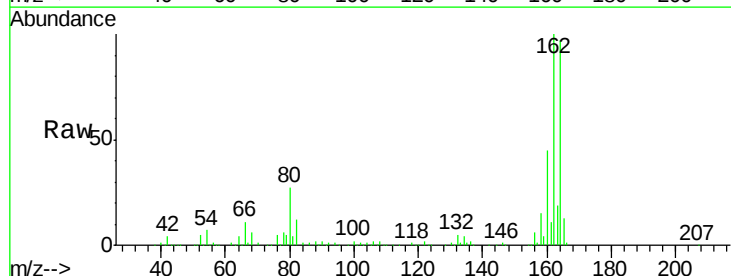


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

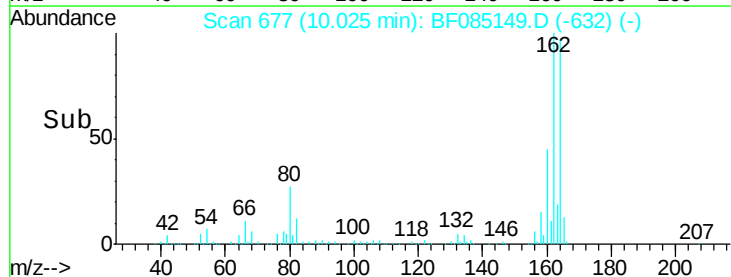
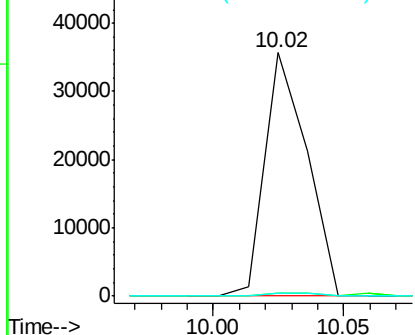


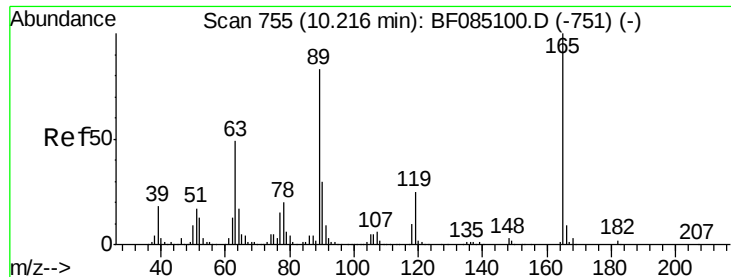
#50
 2,6-Dinitrotoluene
 Concen: 8.34 ng
 RT: 10.02 min Scan# 677
 Delta R.T. 0.21 min
 Lab File: BF085149.D
 Acq: 3 Mar 2016 5:06

Tgt Ion:165 Resp: 39971
 Ion Ratio Lower Upper
 165 100
 63 1.4 47.4 71.2#
 89 1.4 50.2 75.2#



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

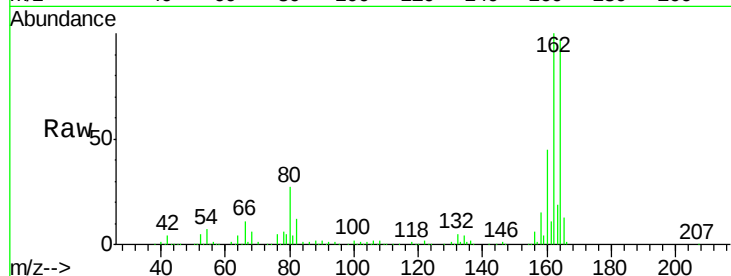




#56
2,4-Dinitrotoluene
Concen: 6.19 ng
RT: 10.02 min Scan# 677
Delta R.T. -0.19 min
Lab File: BF085149.D
Acq: 3 Mar 2016 5:06

Instrument :
BNA_F
ClientSampleId :
HSR-WC-41-022516

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	39.2	58.8#
89	1.4	66.2	99.4#
182	0.0	1.8	2.8#

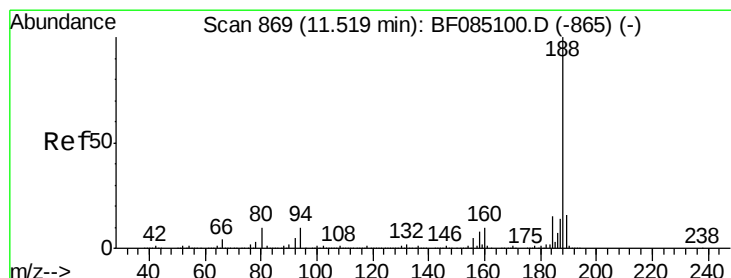
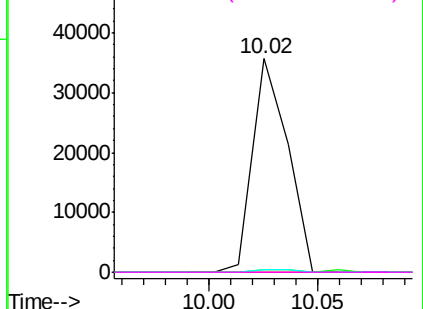
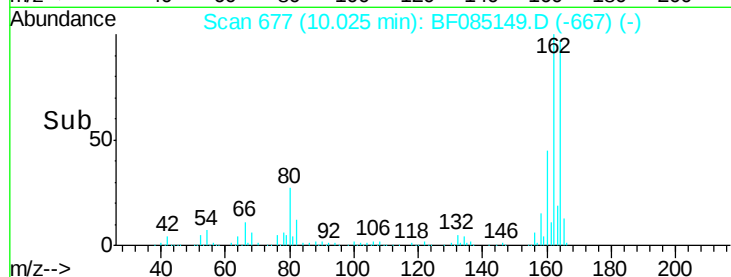


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

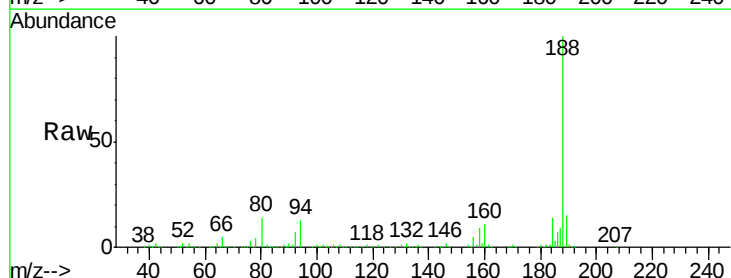
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.51 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF085149.D
Acq: 3 Mar 2016 5:06

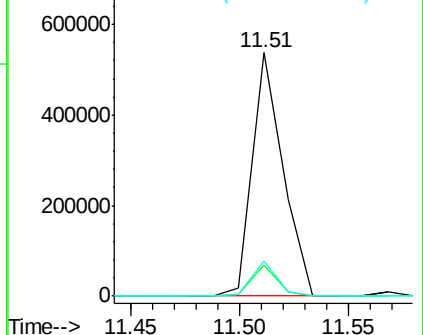
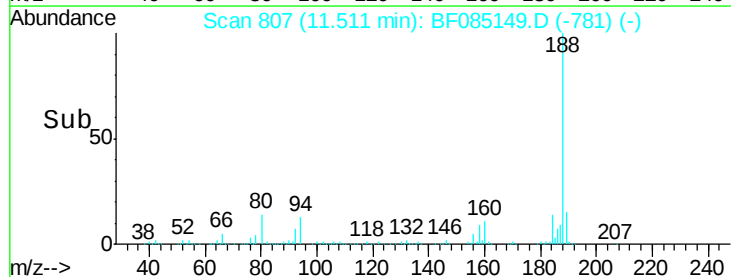
Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.7	7.8	11.6#
80	14.3	8.2	12.4#

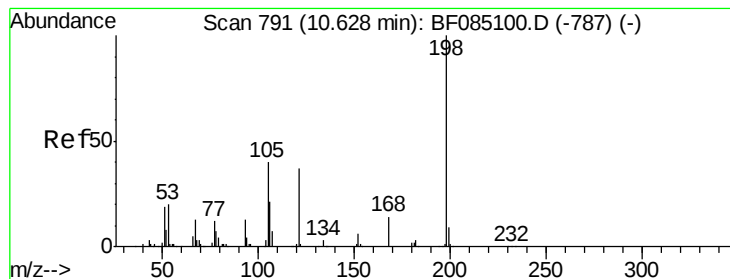


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.47 ng

RT: 10.81 min Scan# 746

Delta R.T. 0.19 min

Lab File: BF085149.D

Acq: 3 Mar 2016 5:06

Instrument :

BNA_F

ClientSampleId :

HSR-WC-41-022516

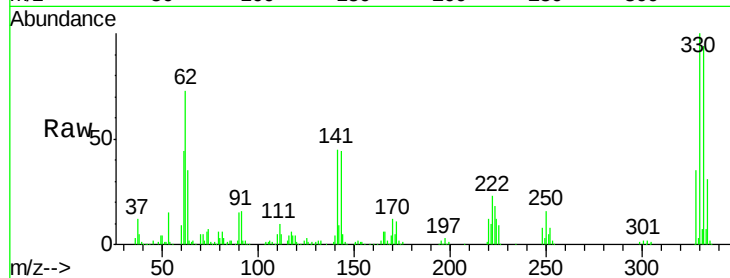
Tgt Ion:198 Resp: 987

Ion Ratio Lower Upper

198 100

51 184.5 12.5 52.5#

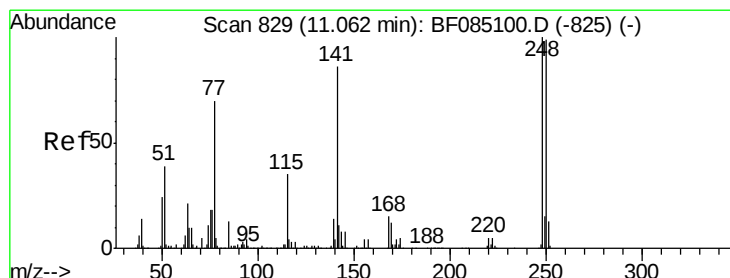
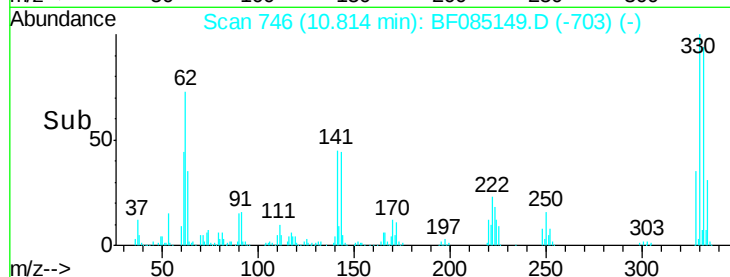
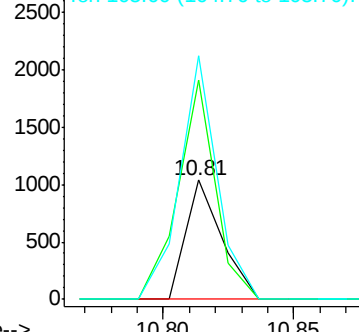
105 204.5 20.2 60.2#



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: 5.54 ng

RT: 10.81 min Scan# 746

Delta R.T. -0.25 min

Lab File: BF085149.D

Acq: 3 Mar 2016 5:06

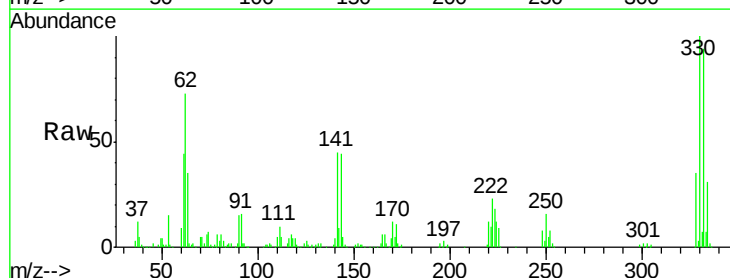
Tgt Ion:248 Resp: 30747

Ion Ratio Lower Upper

248 100

250 200.6 79.0 118.4#

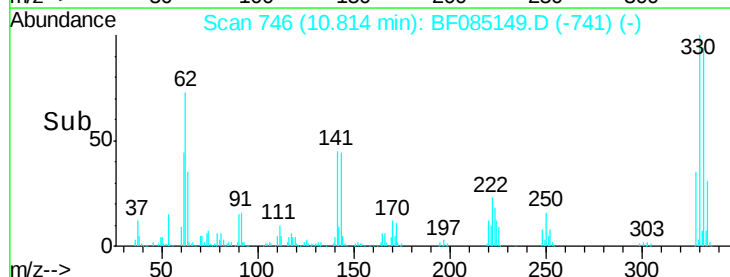
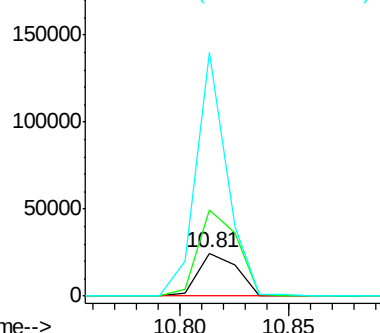
141 568.1 68.6 103.0#

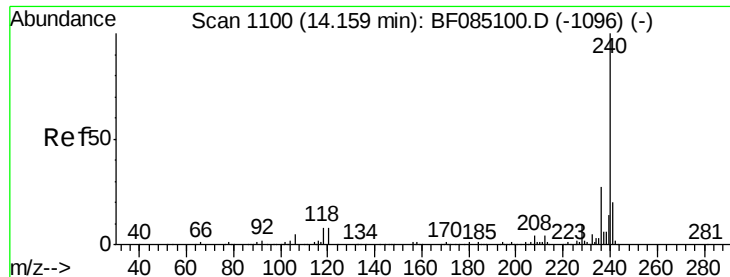


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.15 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF085149.D

Acq: 3 Mar 2016 5:06

Instrument :

BNA_F

ClientSampleId :

HSR-WC-41-022516

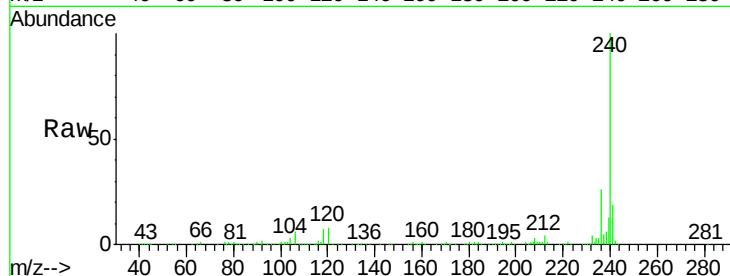
Tgt Ion:240 Resp: 377235

Ion Ratio Lower Upper

240 100

120 8.3 6.7 10.1

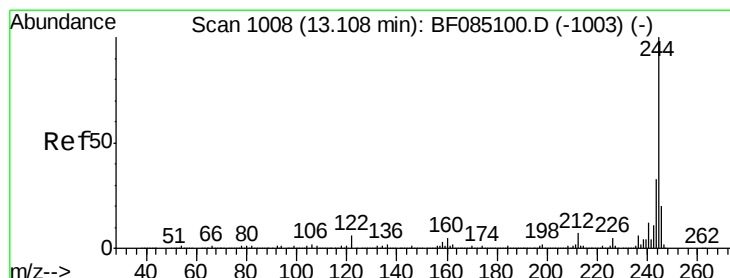
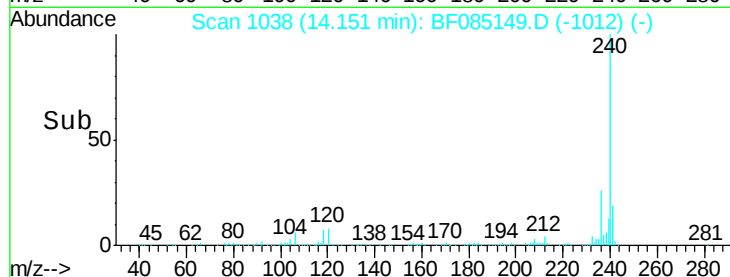
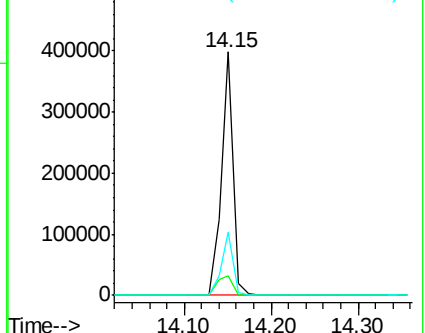
236 25.9 21.6 32.4



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: 97.24 ng

RT: 13.10 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF085149.D

Acq: 3 Mar 2016 5:06

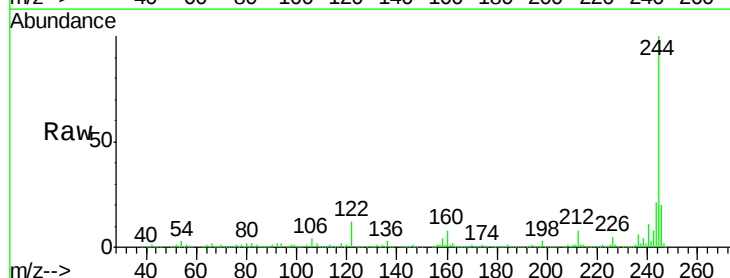
Tgt Ion:244 Resp: 1563721

Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.0

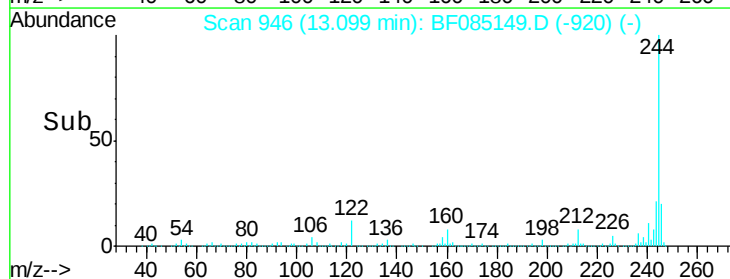
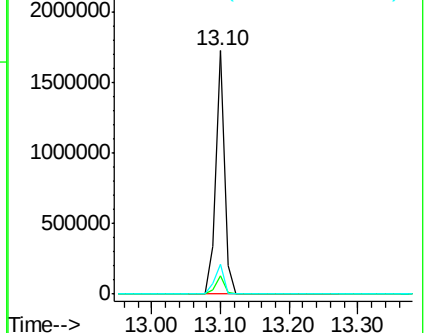
122 12.5 5.1 7.7#

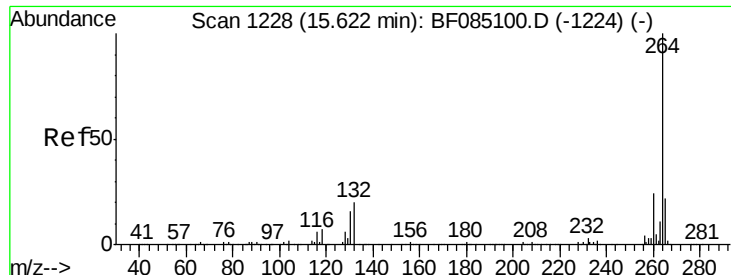


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

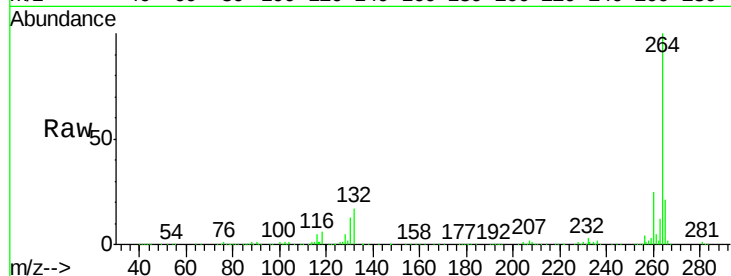




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.63 min Scan# 1167
Delta R.T. 0.00 min
Lab File: BF085149.D
Acq: 3 Mar 2016 5:06

Instrument :
BNA_F
ClientSampleId :
HSR-WC-41-022516

Tgt Ion: 264 Resp: 387766
Ion Ratio Lower Upper
264 100
260 24.6 19.6 29.4
265 21.3 17.4 26.2



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

