

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
 Data File : BF085832.D
 Acq On : 29 Mar 2016 5:41
 Operator : UM/SJ
 Sample : H1942-10
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-929NCOMP

Quant Time: Mar 29 05:11:35 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 28 15:27:05 2016
 Response via : Initial Calibration

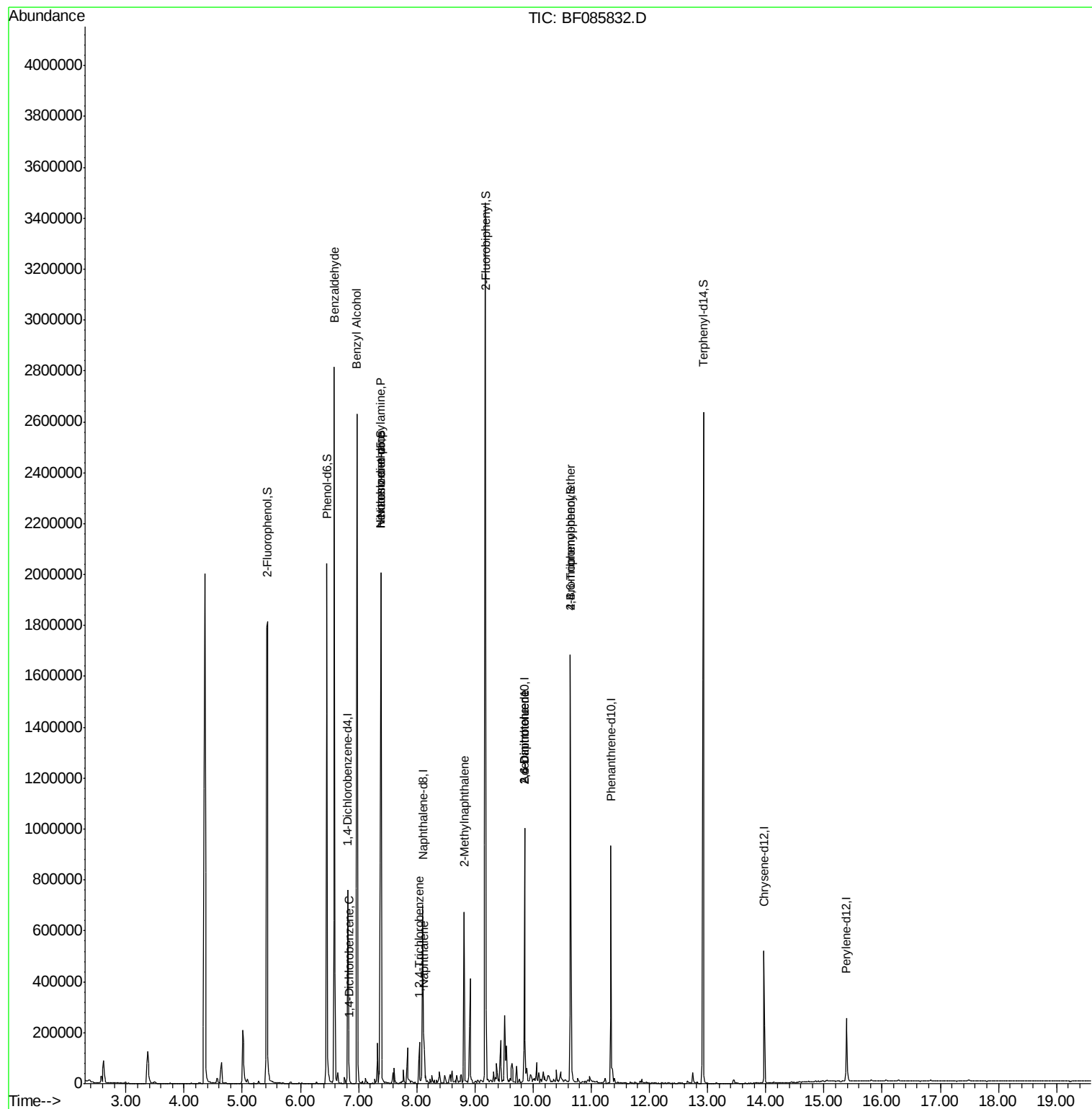
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	112106	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	434650	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	176095	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	339324	20.00	ng	-0.01
75) Chrysene-d12	13.97	240	190554	20.00	ng	-0.01
86) Perylene-d12	15.39	264	117111	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	859367	127.67	ng	0.02
7) Phenol-d6	6.46	99	986399	115.25	ng	0.00
23) Nitrobenzene-d5	7.38	82	737158	95.51	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	235752	140.91	ng	-0.01
44) 2-Fluorobiphenyl	9.18	172	1088386	103.26	ng	-0.01
78) Terphenyl-d14	12.93	244	999707	107.89	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.58	77	17687	3.43	ng	84
13) 1,4-Dichlorobenzene	6.84	146	20838	2.44	ng	95
15) Benzyl Alcohol	6.97	79	11922	2.09	ng	# 46
18) Hexachloroethane	7.38	117	18091	5.78	ng	# 2
19) n-Nitroso-di-n-propylamine	7.38	70	96906	18.91	ng	# 77
30) 1,2,4-Trichlorobenzene	8.05	180	36002	5.54	ng	93
31) Naphthalene	8.12	128	96664	4.41	ng	99
37) 2-Methylnaphthalene	8.81	142	175219	10.94	ng	98
50) 2,6-Dinitrotoluene	9.85	165	24305	8.45	ng	# 20
56) 2,4-Dinitrotoluene	9.85	165	24305	6.65	ng	# 39
66) 4-Bromophenyl-phenylether	10.64	248	15296	4.41	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: 6.81 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF085832.D

Acq: 29 Mar 2016 5:41

Instrument :

BNA_F

ClientSampleId :

B-929NCOMP

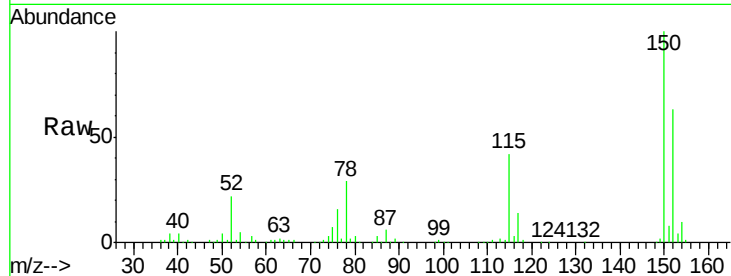
Tgt Ion:152 Resp: 112106

Ion Ratio Lower Upper

152 100

150 157.6 124.2 186.2

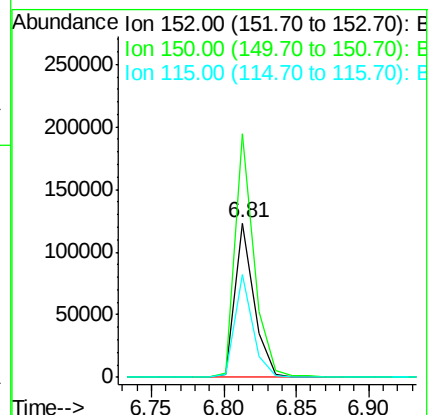
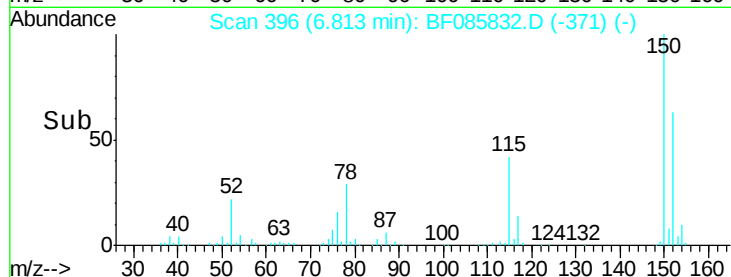
115 66.6 47.0 70.6



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: 127.67 ng

RT: 5.43 min Scan# 275

Delta R.T. 0.02 min

Lab File: BF085832.D

Acq: 29 Mar 2016 5:41

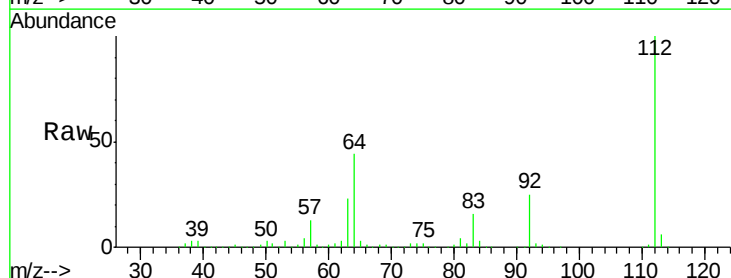
Tgt Ion:112 Resp: 859367

Ion Ratio Lower Upper

112 100

64 44.4 39.9 59.9

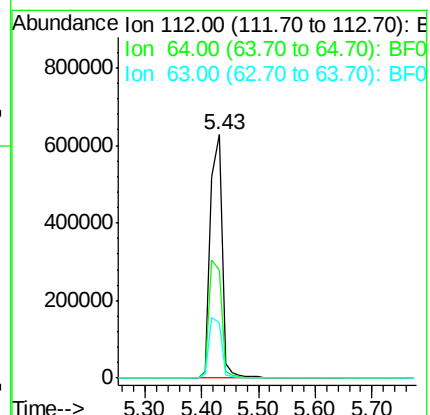
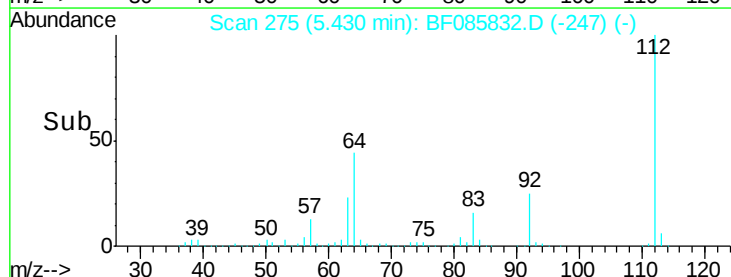
63 22.7 20.2 30.2

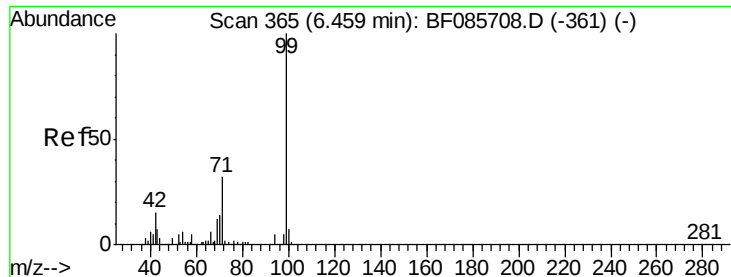


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 115.25 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF085832.D

Acq: 29 Mar 2016 5:41

Instrument :

BNA_F

ClientSampleId :

B-929NCOMP

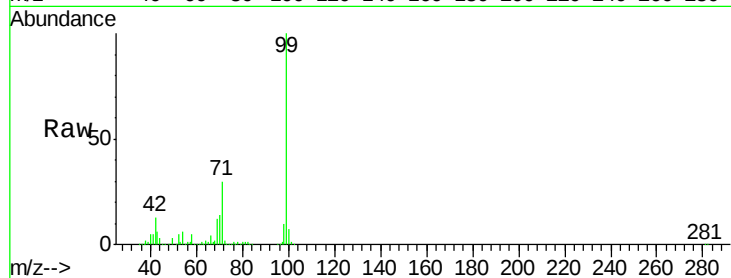
Tgt Ion: 99 Resp: 986399

Ion Ratio Lower Upper

99 100

42 13.1 11.1 16.7

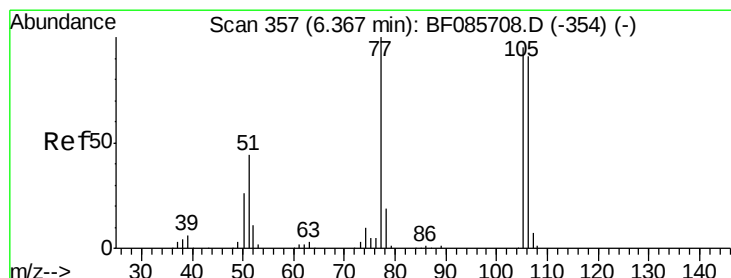
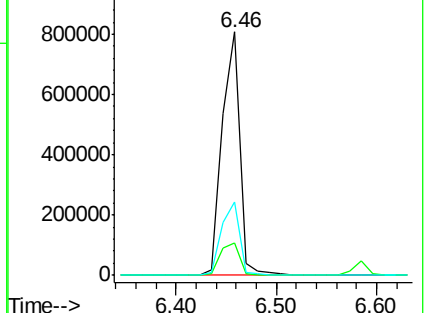
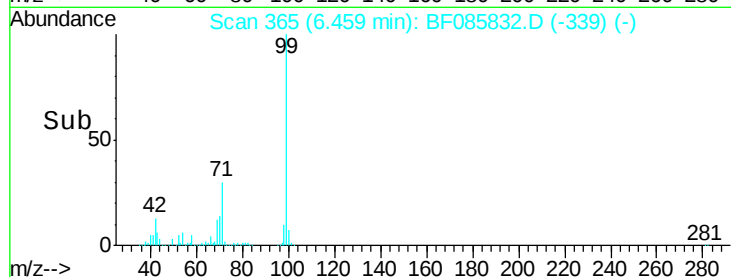
71 30.0 24.9 37.3



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



#9

Benzaldehyde

Concen: 3.43 ng

RT: 6.58 min Scan# 376

Delta R.T. 0.22 min

Lab File: BF085832.D

Acq: 29 Mar 2016 5:41

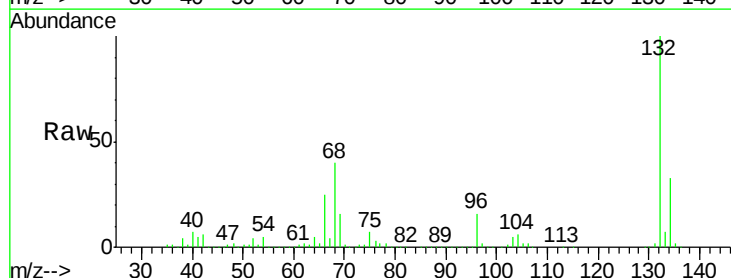
Tgt Ion: 77 Resp: 17687

Ion Ratio Lower Upper

77 100

105 81.3 80.1 120.1

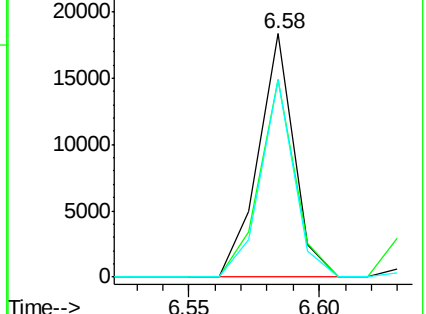
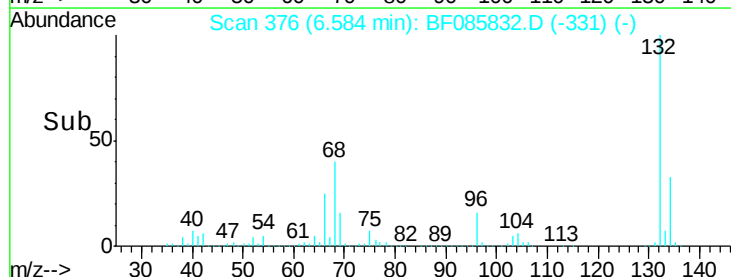
106 81.3 75.0 115.0

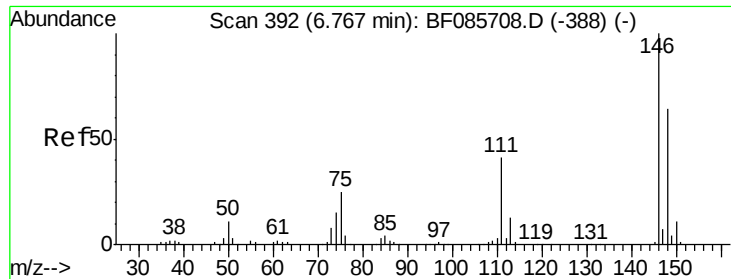


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

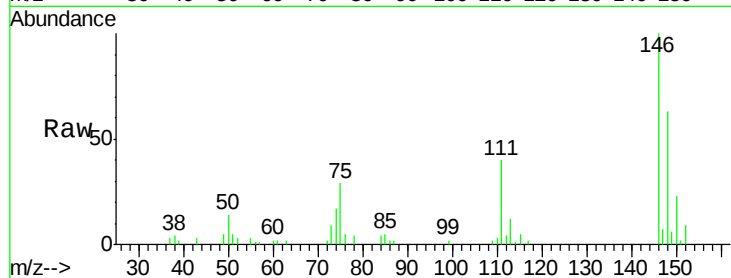




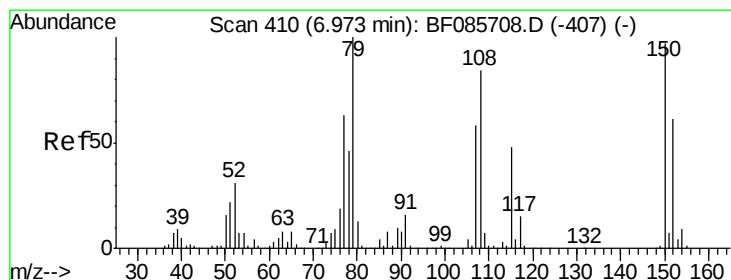
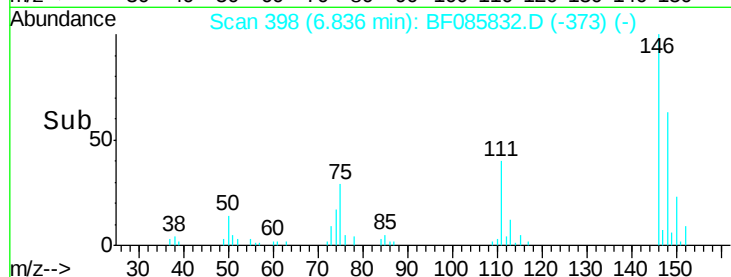
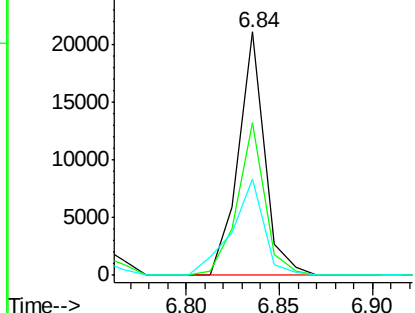
#13
 1,4-Dichlorobenzene
 Concen: 2.44 ng
 RT: 6.84 min Scan# 398
 Delta R.T. -0.01 min
 Lab File: BF085832.D
 Acq: 29 Mar 2016 5:41

Instrument :
 BNA_F
 ClientSampleId :
 B-929NCOMP

Tgt Ion: 146 Resp: 20838
 Ion Ratio Lower Upper
 146 100
 148 62.8 50.6 76.0
 111 39.6 37.8 56.6

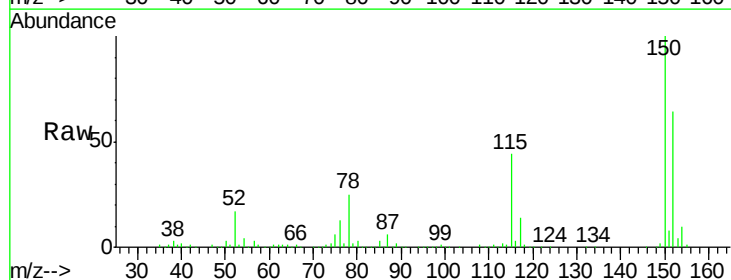


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

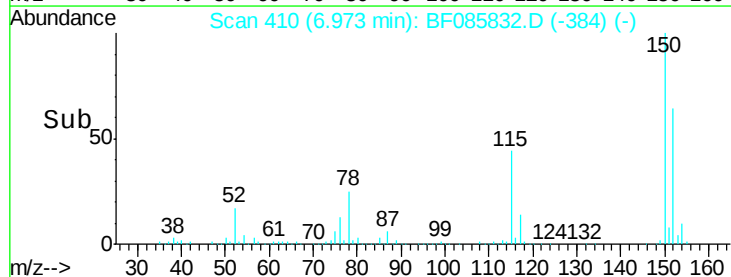
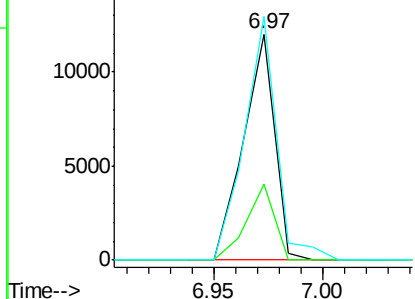


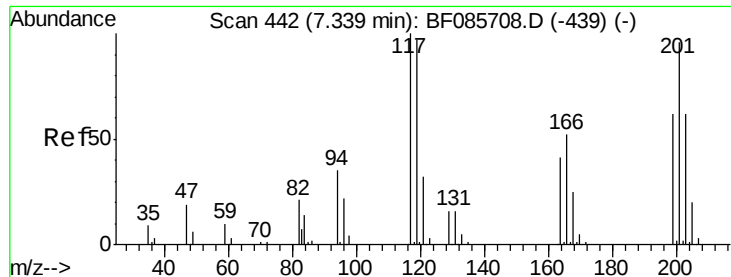
#15
 Benzyl Alcohol
 Concen: 2.09 ng
 RT: 6.97 min Scan# 410
 Delta R.T. -0.00 min
 Lab File: BF085832.D
 Acq: 29 Mar 2016 5:41

Tgt Ion: 79 Resp: 11922
 Ion Ratio Lower Upper
 79 100
 108 33.6 61.8 92.6#
 77 107.7 49.6 74.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0
 Ion 108.00 (107.70 to 108.70): E
 Ion 77.00 (76.70 to 77.70): BF0

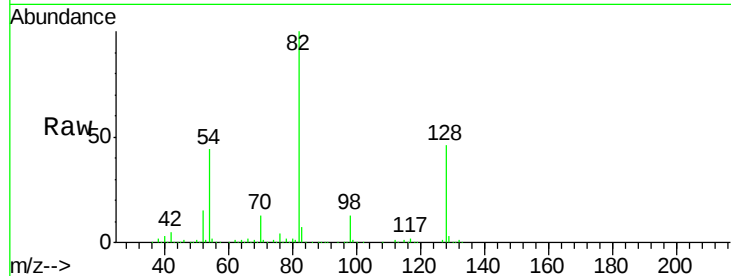




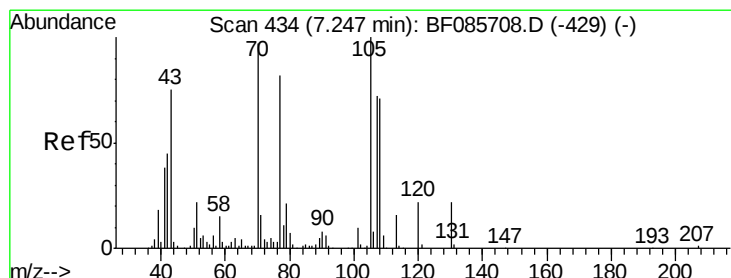
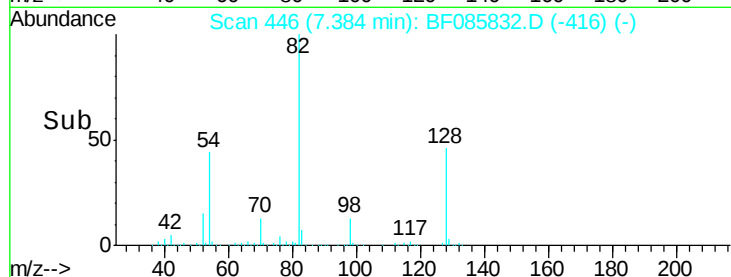
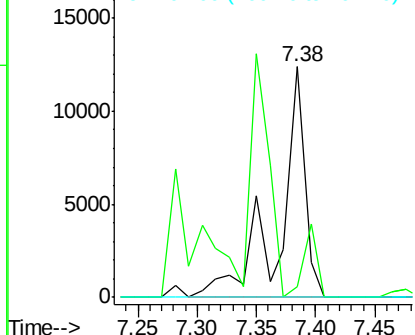
#18
Hexachloroethane
Concen: 5.78 ng
RT: 7.38 min Scan# 446
Delta R.T. 0.05 min
Lab File: BF085832.D
Acq: 29 Mar 2016 5:41

Instrument :
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ClientSampleId :
B-929NCOMP

Tgt Ion: 117 Resp: 18091
Ion Ratio Lower Upper
117 100
119 4.6 76.7 115.1#
201 0.0 83.3 124.9#

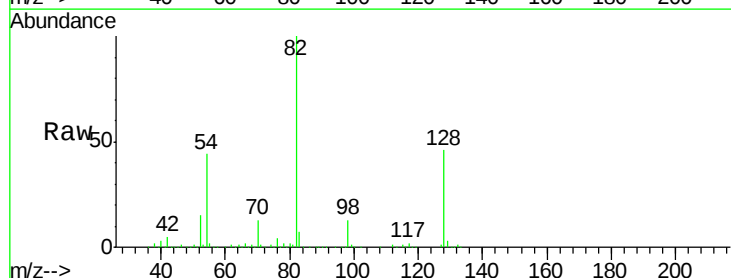


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

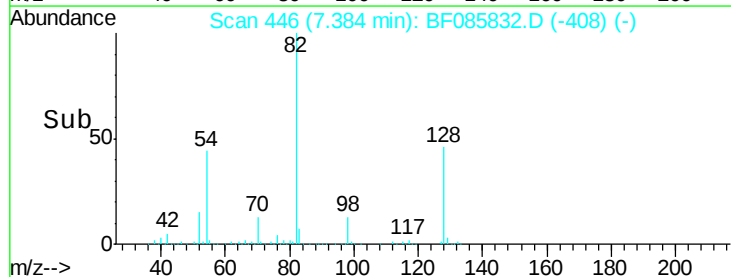
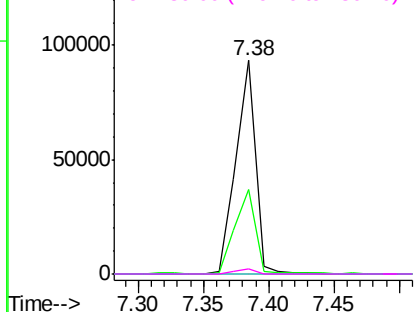


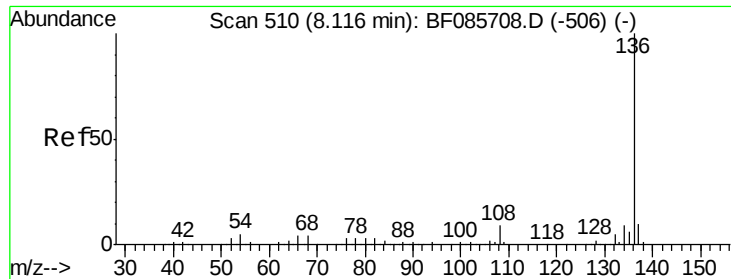
#19
n-Nitroso-di-n-propylamine
Concen: 18.91 ng
RT: 7.38 min Scan# 446
Delta R.T. 0.14 min
Lab File: BF085832.D
Acq: 29 Mar 2016 5:41

Tgt Ion: 70 Resp: 96906
Ion Ratio Lower Upper
70 100
42 39.4 37.1 55.7
101 0.0 8.6 12.8#
130 2.4 19.6 29.4#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

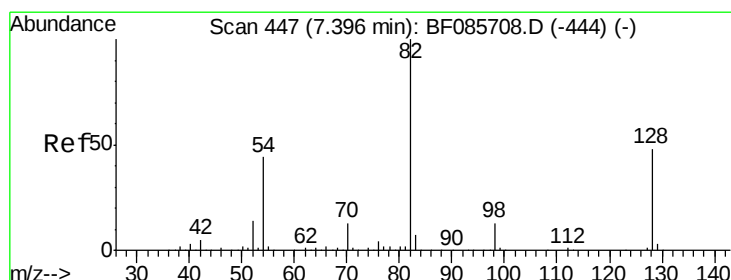
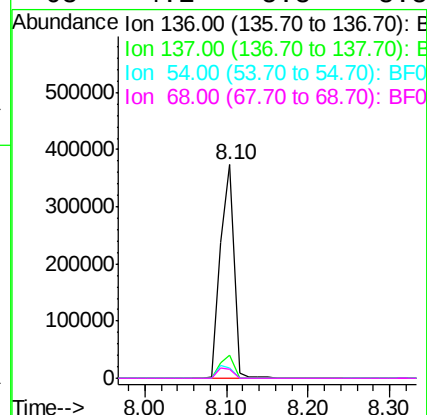
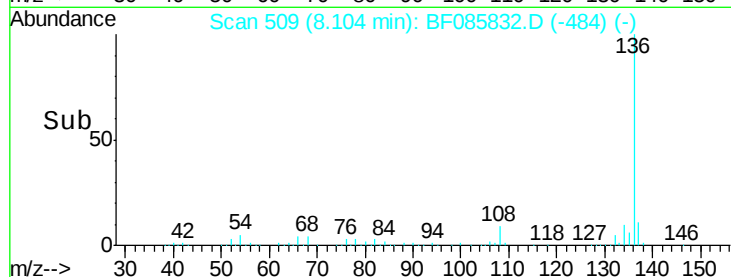
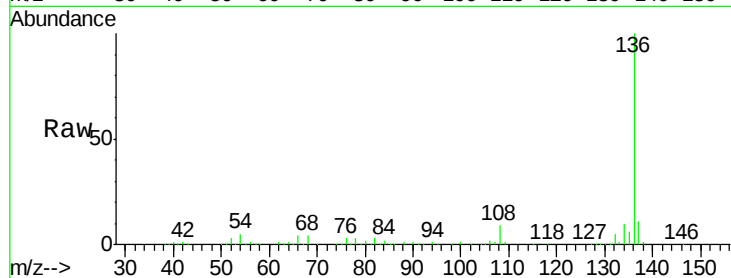




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 509
Delta R.T. -0.01 min
Lab File: BF085832.D
Acq: 29 Mar 2016 5:41

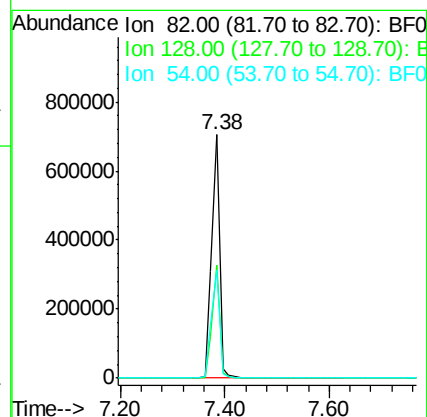
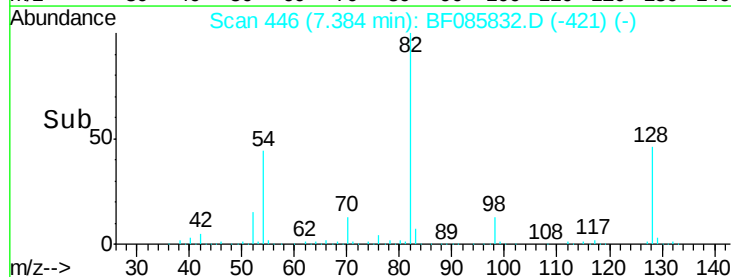
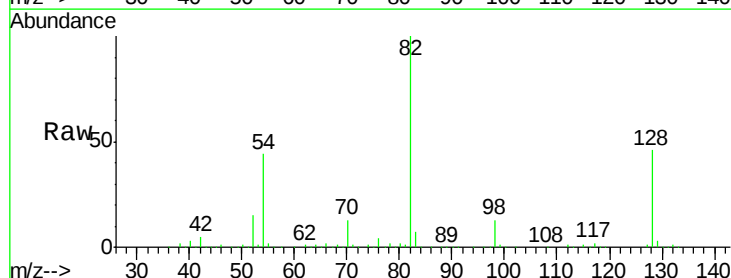
Instrument :
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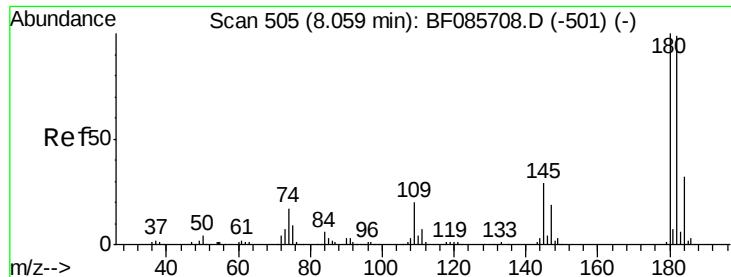
Tgt Ion:	136	Resp:	434650
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	4.8	7.4	11.0#
68	4.1	5.8	8.8#



#23
Nitrobenzene-d5
Concen: 95.51 ng
RT: 7.38 min Scan# 446
Delta R.T. -0.01 min
Lab File: BF085832.D
Acq: 29 Mar 2016 5:41

Tgt Ion:	82	Resp:	737158
Ion	Ratio	Lower	Upper
82	100		
128	46.4	41.8	62.8
54	44.5	33.4	50.0

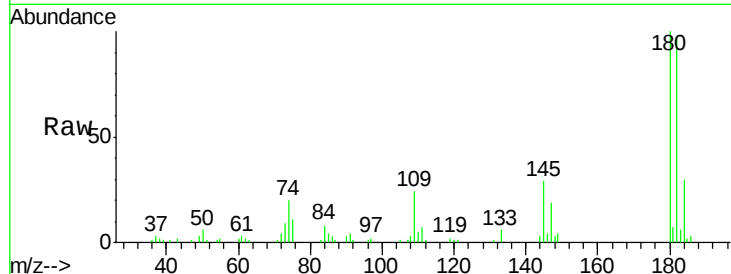




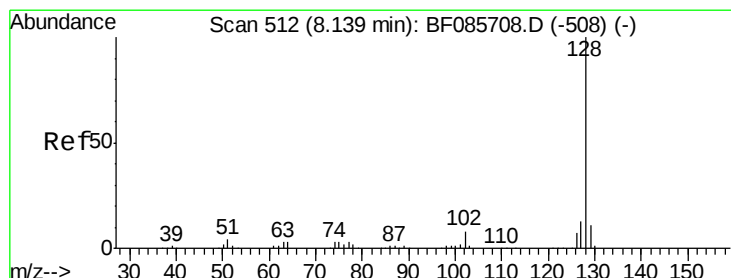
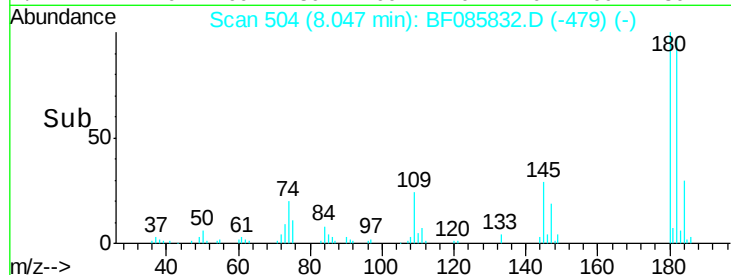
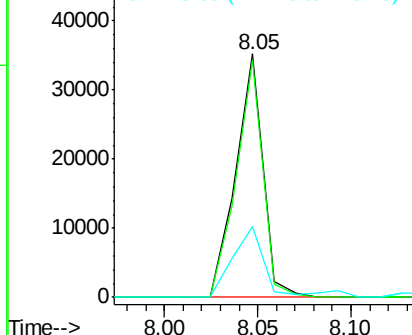
#30
 1,2,4-Trichlorobenzene
 Concen: 5.54 ng
 RT: 8.05 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: BF085832.D
 Acq: 29 Mar 2016 5:41

Instrument :
 BNA_F
 ClientSampleId :
 B-929NCOMP

Tgt Ion:180 Resp: 36002
 Ion Ratio Lower Upper
 180 100
 182 97.4 73.8 110.8
 145 29.1 28.4 42.6

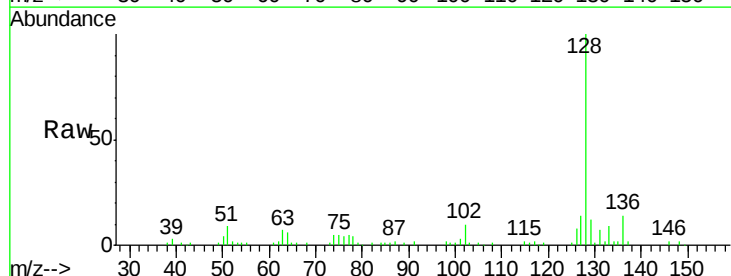


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

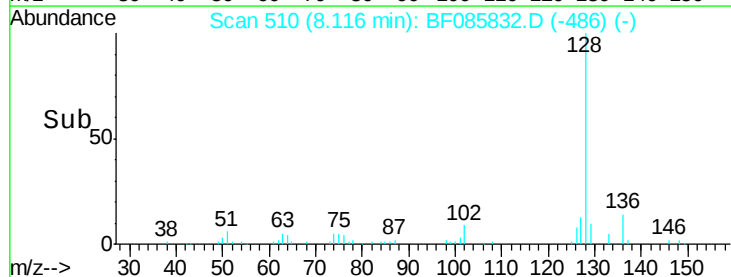
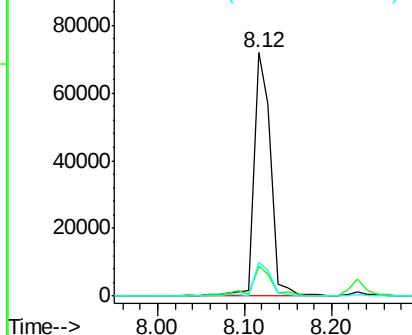


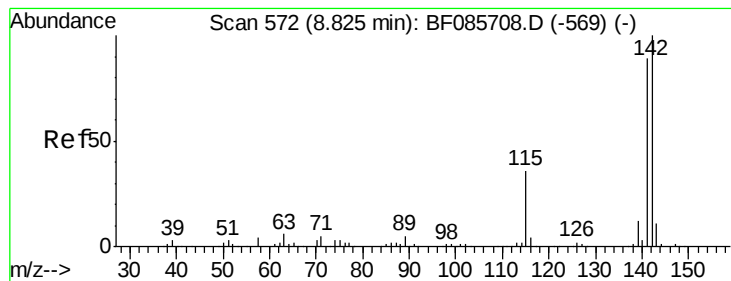
#31
 Naphthalene
 Concen: 4.41 ng
 RT: 8.12 min Scan# 510
 Delta R.T. -0.02 min
 Lab File: BF085832.D
 Acq: 29 Mar 2016 5:41

Tgt Ion:128 Resp: 96664
 Ion Ratio Lower Upper
 128 100
 129 12.2 9.4 14.0
 127 13.6 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 10.94 ng

RT: 8.81 min Scan# 571

Delta R.T. -0.01 min

Lab File: BF085832.D

Acq: 29 Mar 2016 5:41

Instrument :

BNA_F

ClientSampleId :

B-929NCOMP

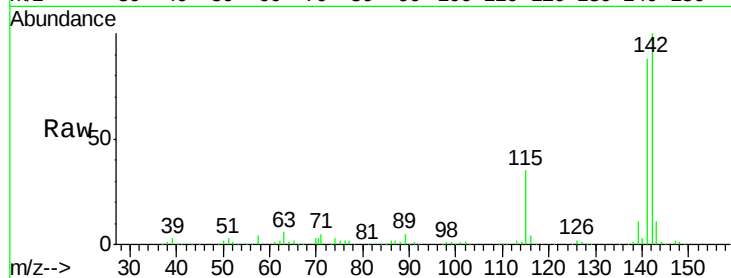
Tgt Ion:142 Resp: 175219

Ion Ratio Lower Upper

142 100

141 88.1 71.6 107.4

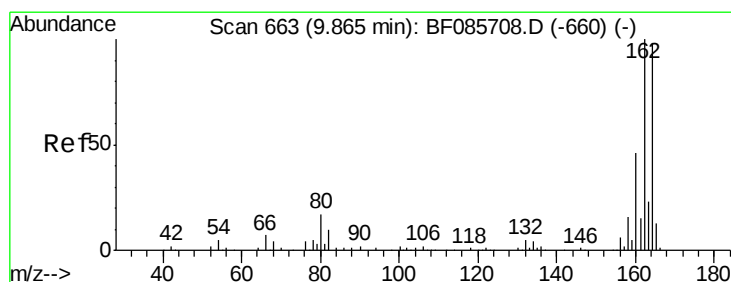
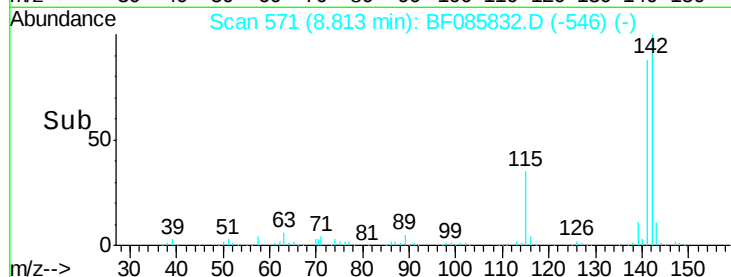
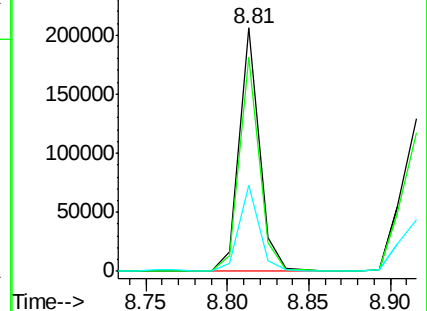
115 35.3 26.8 40.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 662

Delta R.T. -0.01 min

Lab File: BF085832.D

Acq: 29 Mar 2016 5:41

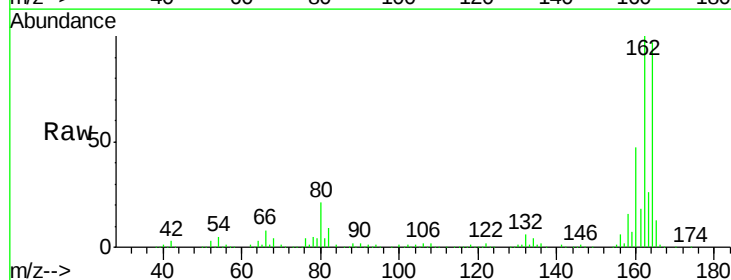
Tgt Ion:164 Resp: 176095

Ion Ratio Lower Upper

164 100

162 102.9 82.1 123.1

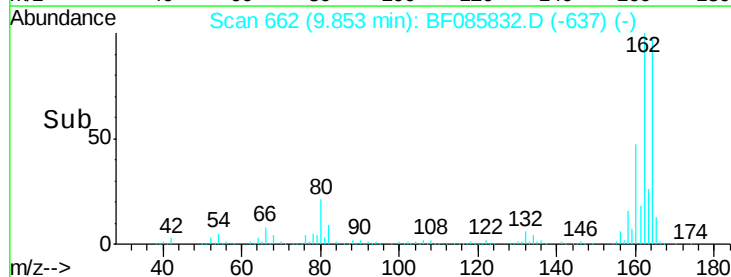
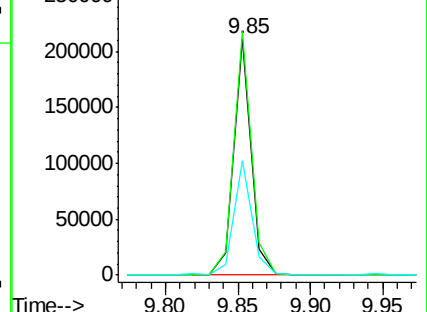
160 48.2 37.4 56.2

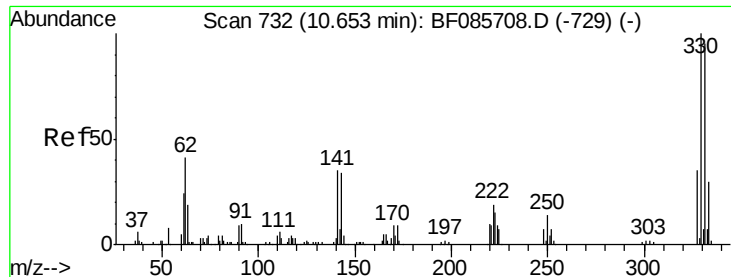


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

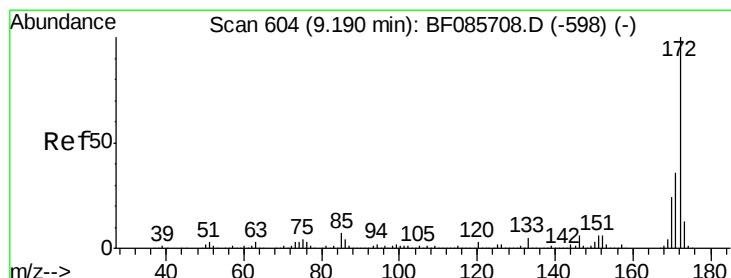
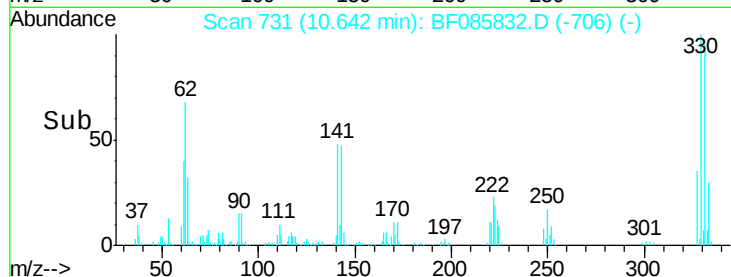
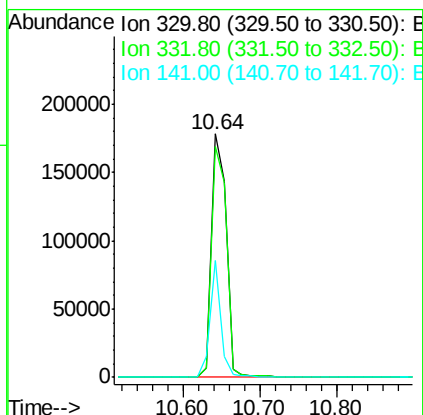
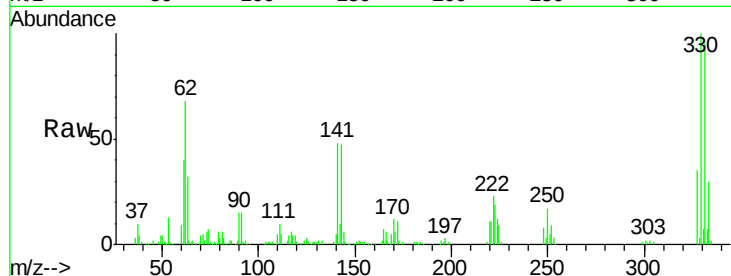




#41
 2,4,6-Tribromophenol
 Concen: 140.91 ng
 RT: 10.64 min Scan# 731
 Delta R.T. -0.01 min
 Lab File: BF085832.D
 Acq: 29 Mar 2016 5:41

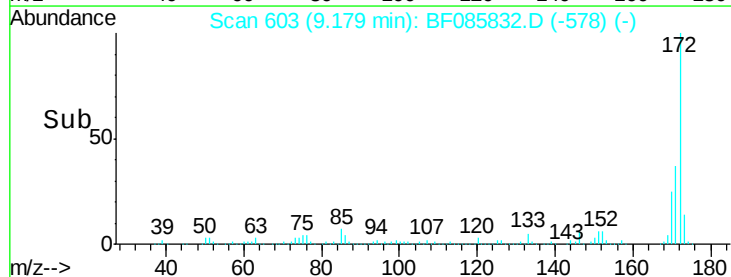
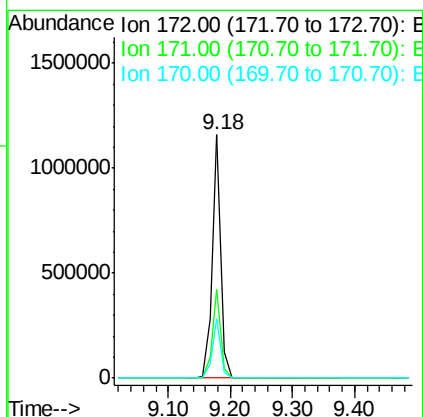
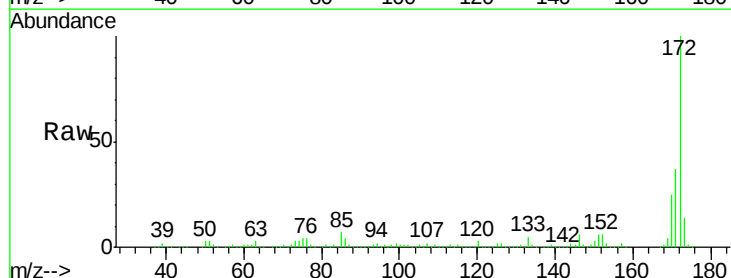
Instrument :
 BNA_F
 ClientSampleId :
 B-929NCOMP

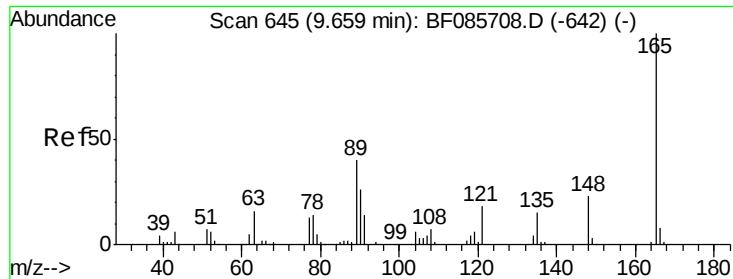
Tgt Ion:330 Resp: 235752
 Ion Ratio Lower Upper
 330 100
 332 97.0 78.2 117.2
 141 36.3 31.5 47.3



#44
 2-Fluorobiphenyl
 Concen: 103.26 ng
 RT: 9.18 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: BF085832.D
 Acq: 29 Mar 2016 5:41

Tgt Ion:172 Resp: 1088386
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.4 44.2
 170 24.6 19.8 29.6

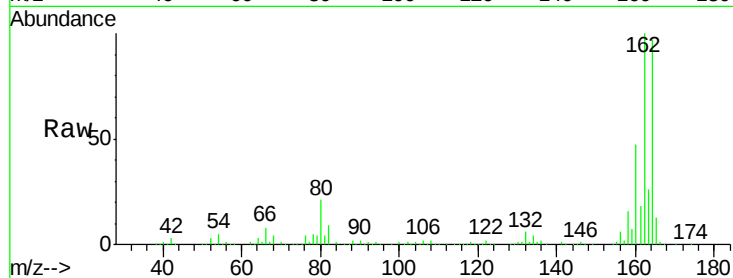




#50
 2,6-Dinitrotoluene
 Concen: 8.45 ng
 RT: 9.85 min Scan# 662
 Delta R.T. 0.19 min
 Lab File: BF085832.D
 Acq: 29 Mar 2016 5:41

Instrument :
 BNA_F
 ClientSampleId :
 B-929NCOMP

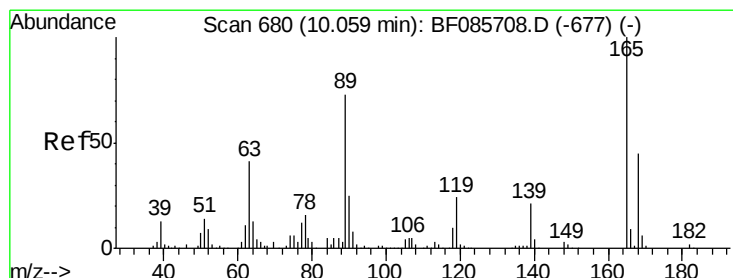
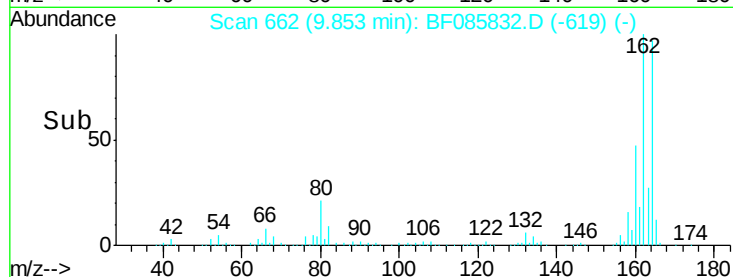
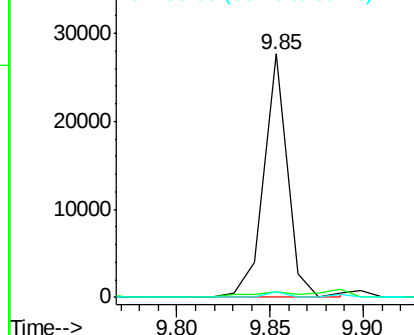
Tgt Ion	Ratio	Resp	Lower	Upper
165	100	24305		
63	2.5	51.8	77.8#	
89	2.4	53.7	80.5#	



Abundance Ion 165.00 (164.70 to 165.70): E

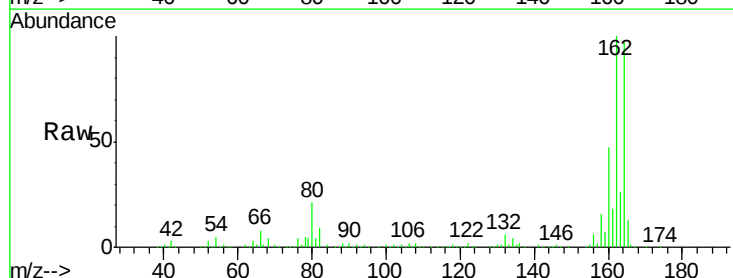
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.65 ng
 RT: 9.85 min Scan# 662
 Delta R.T. -0.21 min
 Lab File: BF085832.D
 Acq: 29 Mar 2016 5:41

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	24305		
63	2.5	24.9	37.3#	
89	2.4	41.0	61.6#	
182	0.0	2.1	3.1#	

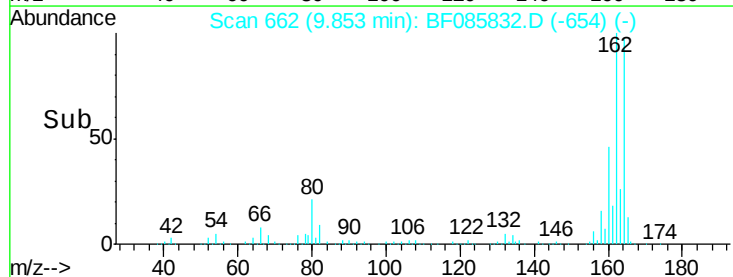
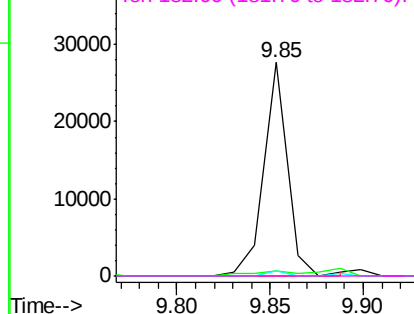


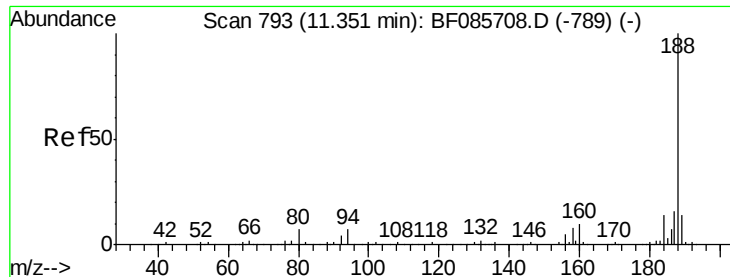
Abundance Ion 165.00 (164.70 to 165.70): E

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

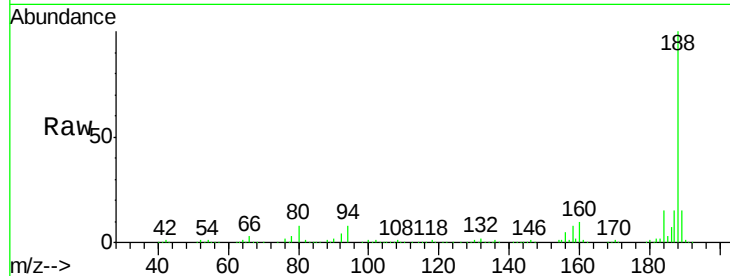




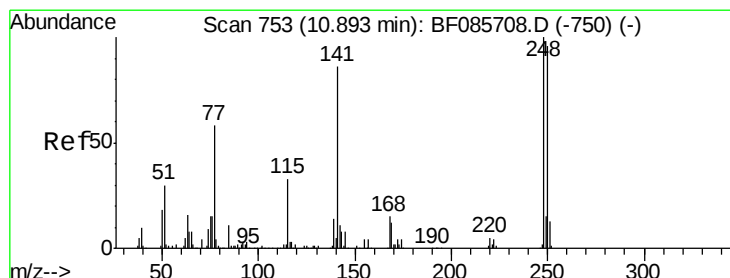
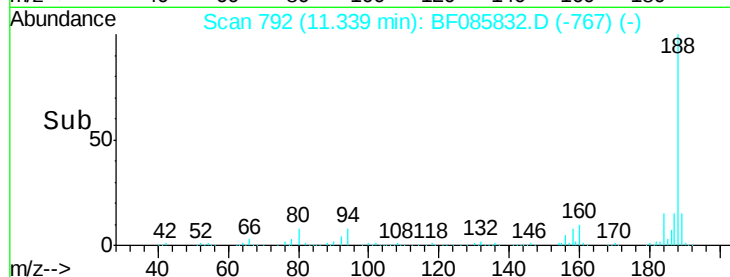
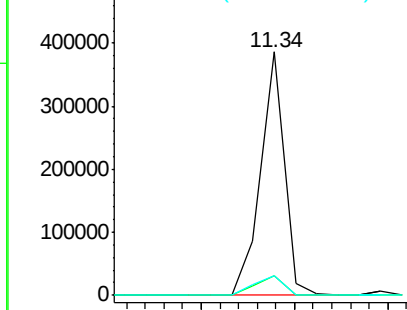
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF085832.D
Acq: 29 Mar 2016 5:41

Instrument :
BNA_F
ClientSampleId :
B-929NCOMP

Tgt Ion:188 Resp: 339324
Ion Ratio Lower Upper
188 100
94 8.1 5.4 8.0#
80 8.3 5.5 8.3

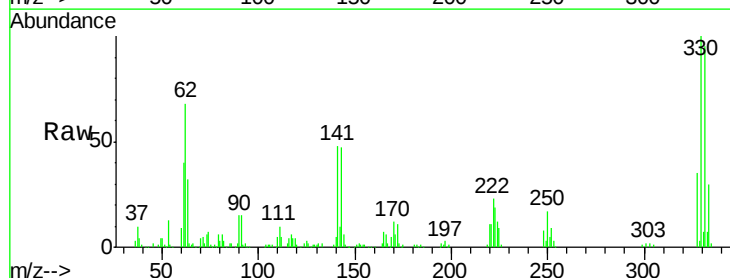


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

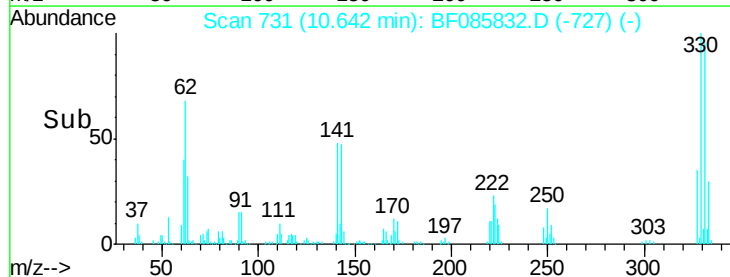
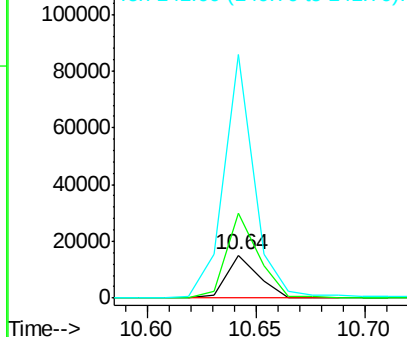


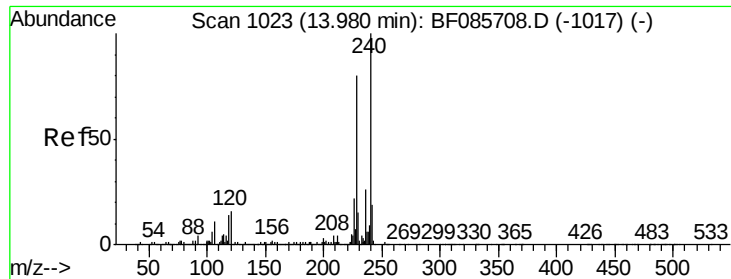
#66
4-Bromophenyl-phenylether
Concen: 4.41 ng
RT: 10.64 min Scan# 731
Delta R.T. -0.25 min
Lab File: BF085832.D
Acq: 29 Mar 2016 5:41

Tgt Ion:248 Resp: 15296
Ion Ratio Lower Upper
248 100
250 196.0 77.4 116.0#
141 566.3 63.6 95.4#



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: 13.97 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF085832.D

Acq: 29 Mar 2016 5:41

Instrument :

BNA_F

ClientSampleId :

B-929NCOMP

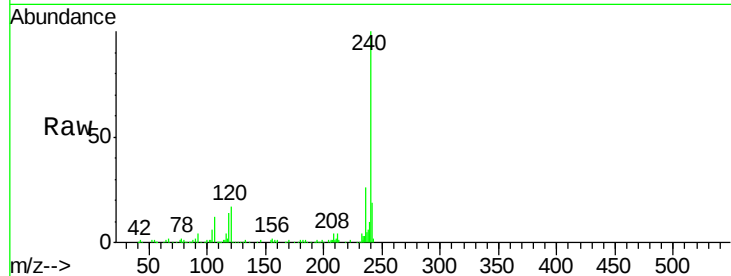
Tgt Ion:240 Resp: 190554

Ion Ratio Lower Upper

240 100

120 16.8 13.8 20.8

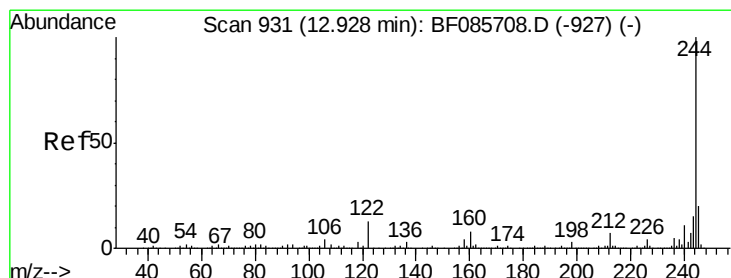
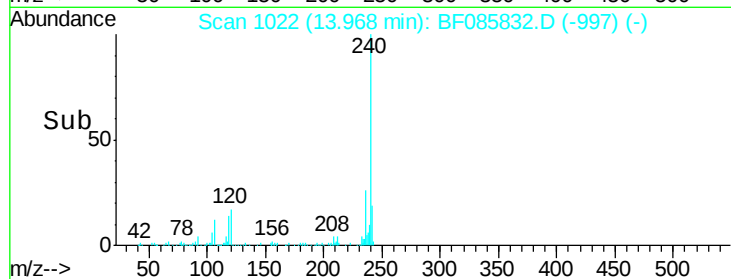
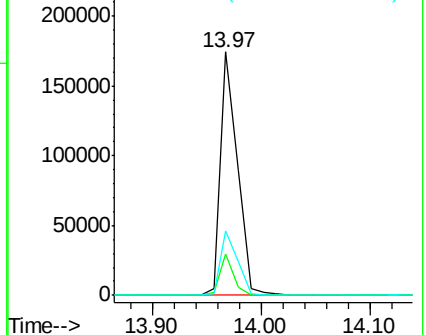
236 26.3 20.6 30.8



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: 107.89 ng

RT: 12.93 min Scan# 931

Delta R.T. -0.00 min

Lab File: BF085832.D

Acq: 29 Mar 2016 5:41

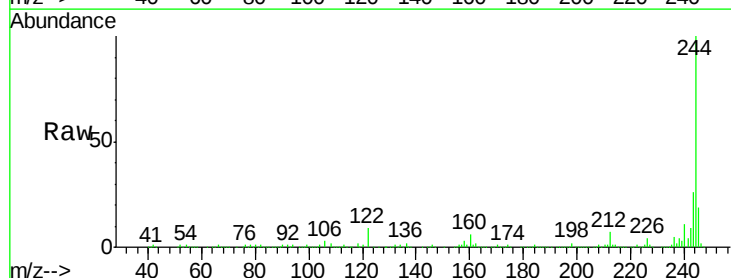
Tgt Ion:244 Resp: 999707

Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

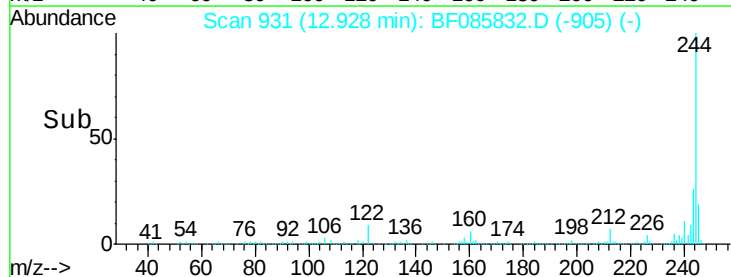
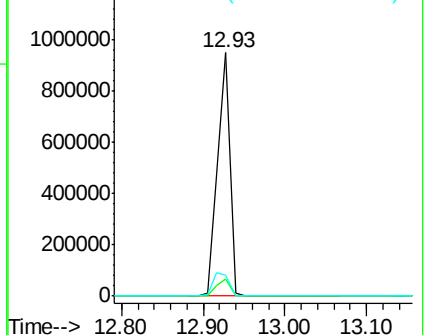
122 8.7 10.2 15.4#

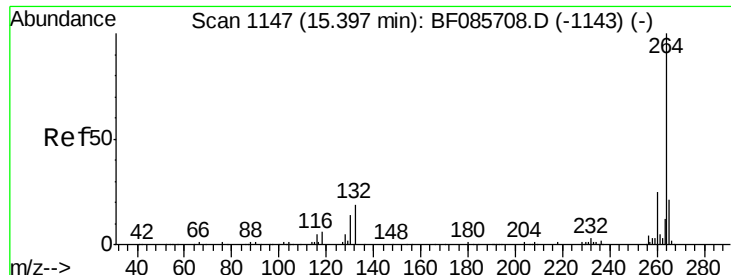


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

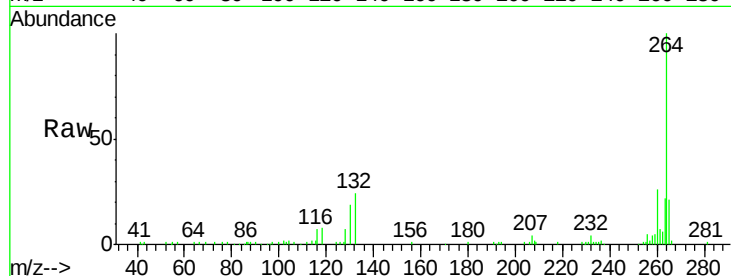




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF085832.D
Acq: 29 Mar 2016 5:41

Instrument :
BNA_F
ClientSampleId :
B-929NCOMP

Tgt Ion: 264 Resp: 117111
Ion Ratio Lower Upper
264 100
260 25.5 19.4 29.2
265 21.5 17.2 25.8



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

