

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
 Data File : BF085006.D
 Acq On : 10 Feb 2016 21:23
 Operator : SJ/IZ
 Sample : H1396-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B002(27-29)

Quant Time: Feb 11 00:23:45 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 10 13:28:51 2016
 Response via : Initial Calibration

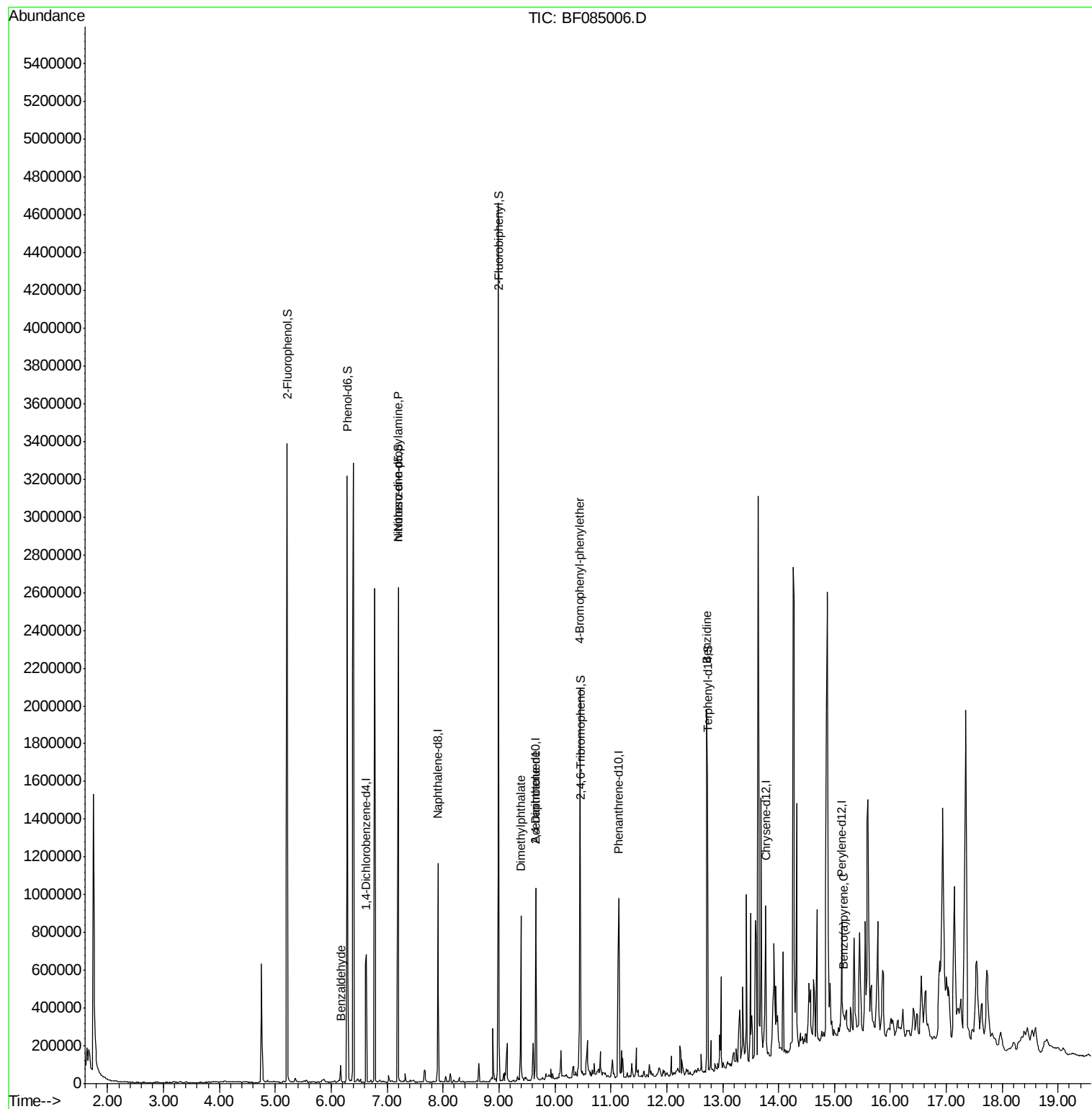
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	148846	20.00	ng	0.00
21) Naphthalene-d8	7.91	136	575423	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	259761	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	442679	20.00	ng	0.00
75) Chrysene-d12	13.77	240	294662	20.00	ng	0.00
86) Perylene-d12	15.13	264	264481	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	941383	98.51	ng	0.01
7) Phenol-d6	6.28	99	1167161	98.52	ng	0.00
23) Nitrobenzene-d5	7.20	82	910120	89.10	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	322216	118.92	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	1321368	85.99	ng	0.00
78) Terphenyl-d14	12.73	244	826407	63.55	ng	0.00
Target Compounds						
9) Benzaldehyde	6.17	77	24010	3.43	ng	Qvalue 88
19) n-Nitroso-di-n-propylamine	7.20	70	126543	17.04	ng	# 76
49) Dimethylphthalate	9.39	163	312010	15.77	ng	# 91
56) 2,4-Dinitrotoluene	9.66	165	33746	6.12	ng	# 22
66) 4-Bromophenyl-phenylether	10.44	248	18029	3.69	ng	# 1
76) Benzidine	12.72	184	10715	7.57	ng	# 92
89) Benzo(a)pyrene	15.15	252	39494	2.61	ng	# 86

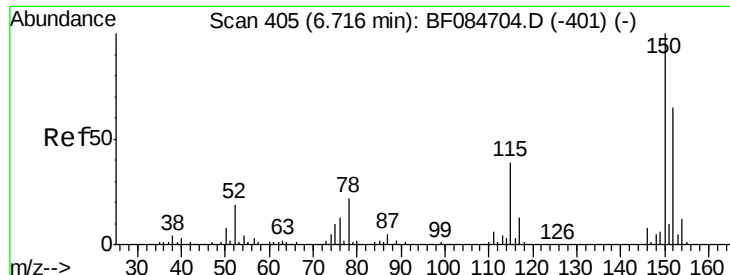
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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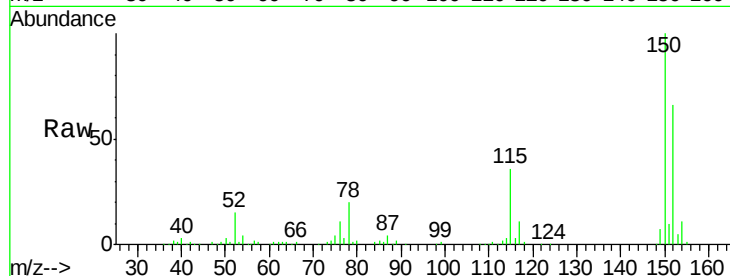




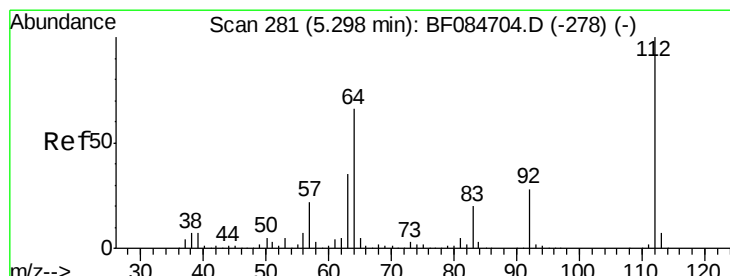
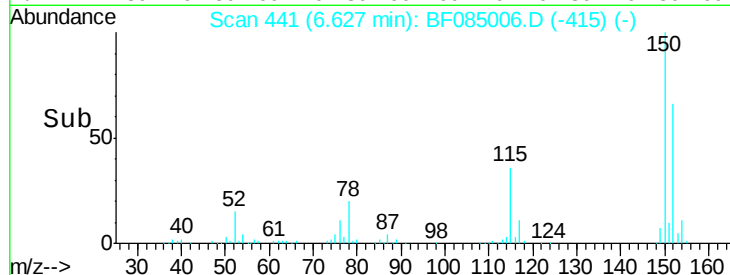
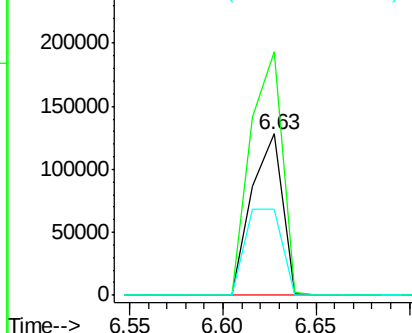
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.63 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: BF085006.D
 Acq: 10 Feb 2016 21:23

Instrument :
 BNA_F
 ClientSampleId :
 S4-B002(27-29)

Tgt Ion:152 Resp: 148846
 Ion Ratio Lower Upper
 152 100
 150 150.9 123.0 184.4
 115 53.7 51.4 77.2

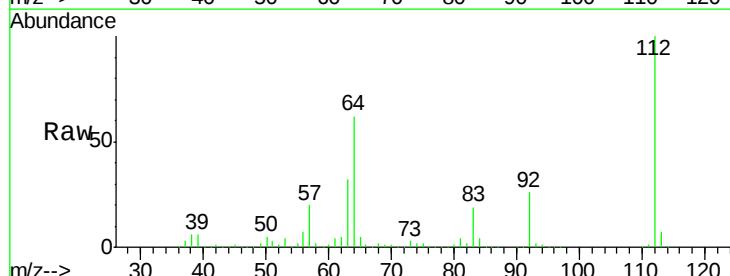


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

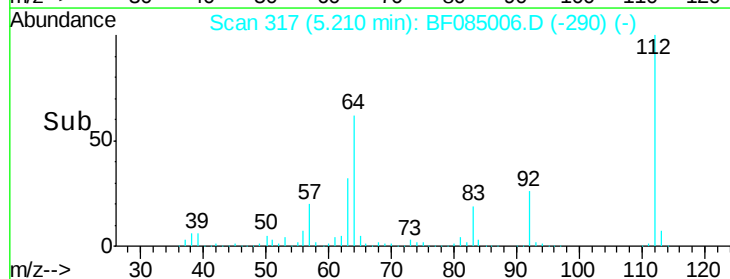
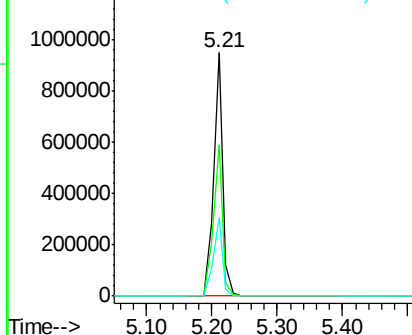


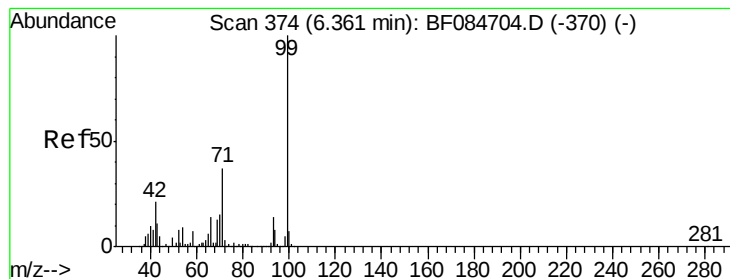
#5
 2-Fluorophenol
 Concen: 98.51 ng
 RT: 5.21 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: BF085006.D
 Acq: 10 Feb 2016 21:23

Tgt Ion:112 Resp: 941383
 Ion Ratio Lower Upper
 112 100
 64 62.3 36.6 55.0#
 63 32.0 19.4 29.0#



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: 98.52 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.00 min

Lab File: BF085006.D

Acq: 10 Feb 2016 21:23

Instrument :

BNA_F

ClientSampleId :

S4-B002(27-29)

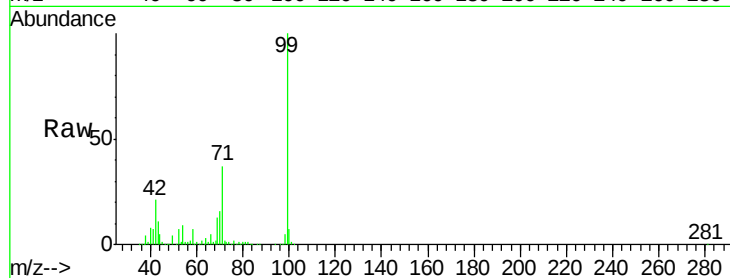
Tgt Ion: 99 Resp: 1167161

Ion Ratio Lower Upper

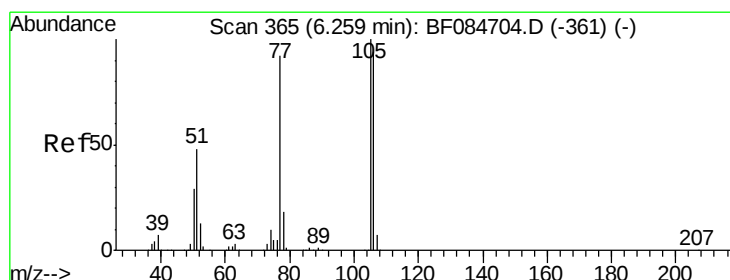
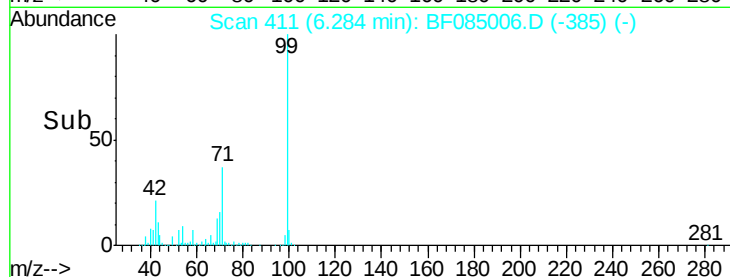
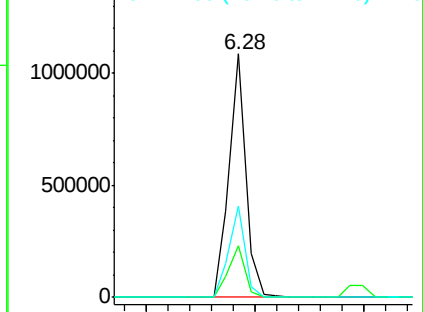
99 100

42 21.0 12.8 19.2#

71 37.5 30.9 46.3



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: 6.17 min Scan# 401

Delta R.T. 0.00 min

Lab File: BF085006.D

Acq: 10 Feb 2016 21:23

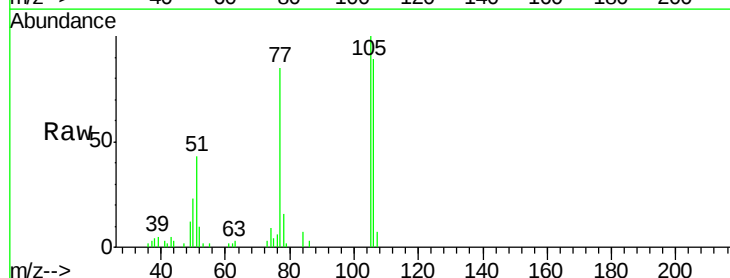
Tgt Ion: 77 Resp: 24010

Ion Ratio Lower Upper

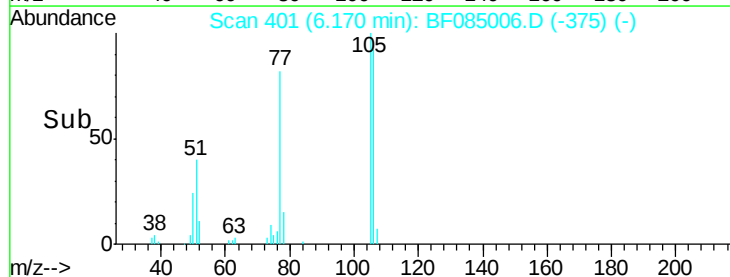
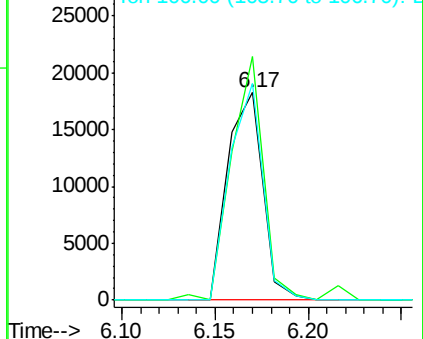
77 100

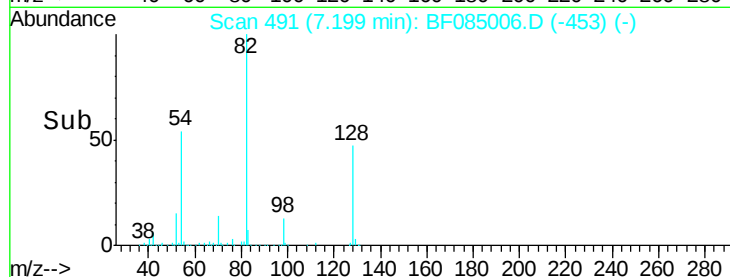
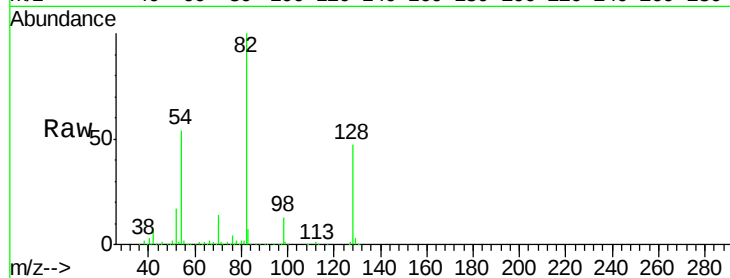
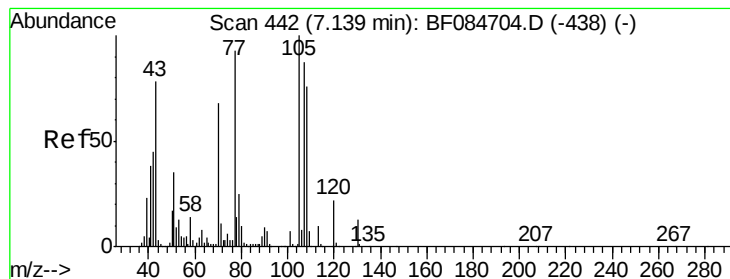
105 117.3 83.0 123.0

106 104.3 74.6 114.6



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





#19

n-Nitroso-di-n-propylamine

Concen: 17.04 ng

RT: 7.20 min Scan# 491

Delta R.T. 0.14 min

Lab File: BF085006.D

Acq: 10 Feb 2016 21:23

Instrument :

BNA_F

ClientSampleId :

S4-B002(27-29)

Tgt Ion: 70 Resp: 126543

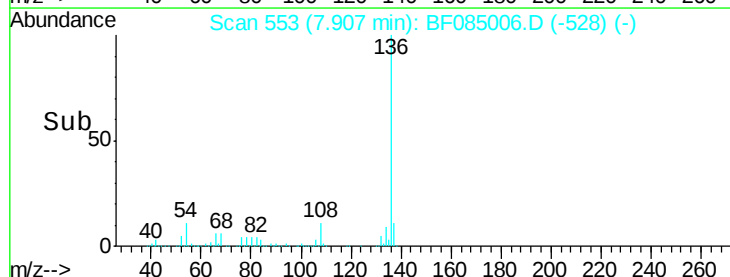
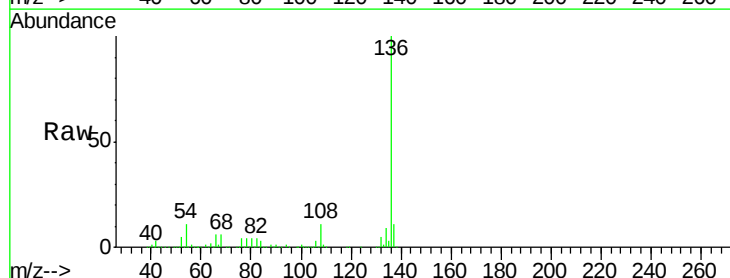
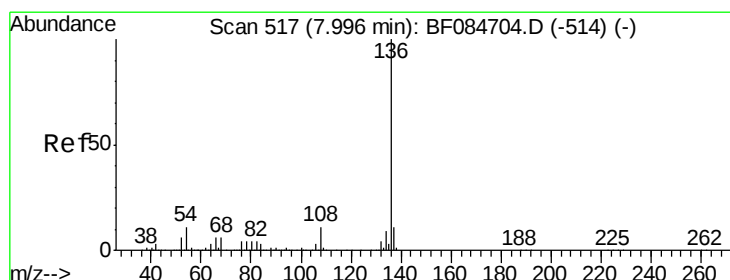
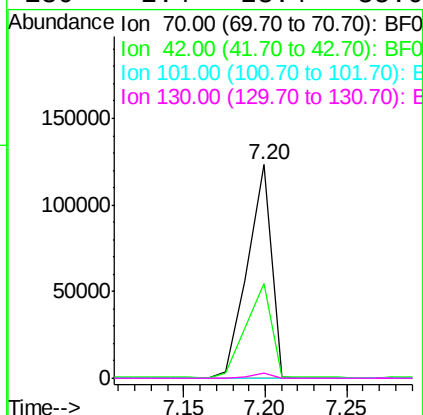
Ion Ratio Lower Upper

70 100

42 44.1 33.3 49.9

101 0.0 9.3 13.9#

130 2.4 23.4 35.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.01 min

Lab File: BF085006.D

Acq: 10 Feb 2016 21:23

Tgt Ion: 136 Resp: 575423

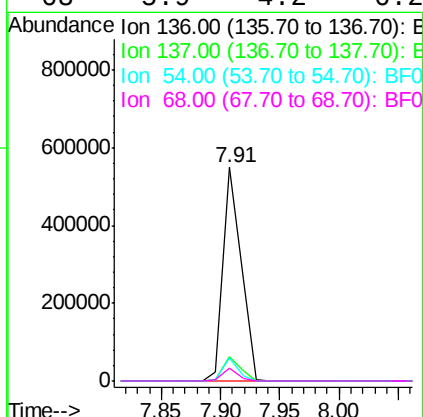
Ion Ratio Lower Upper

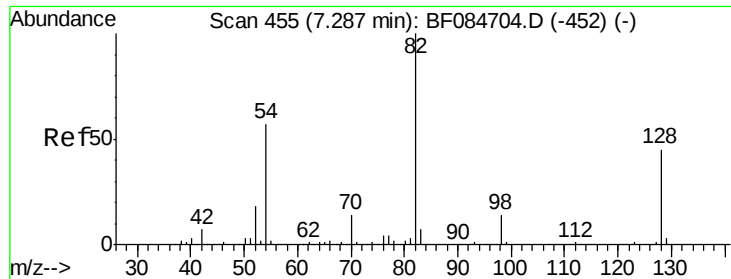
136 100

137 11.3 8.7 13.1

54 10.7 5.8 8.8#

68 5.9 4.2 6.2

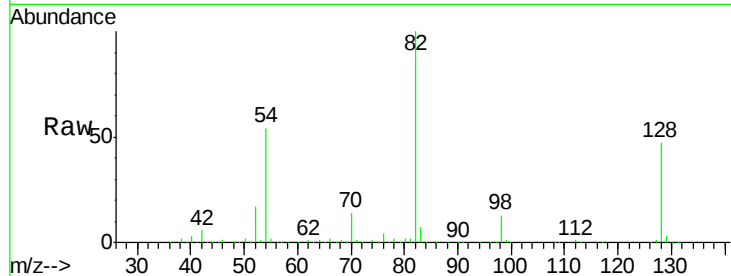




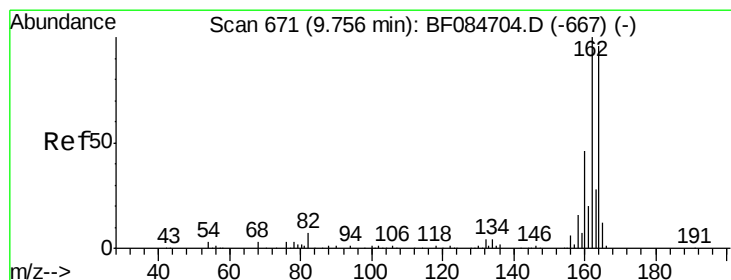
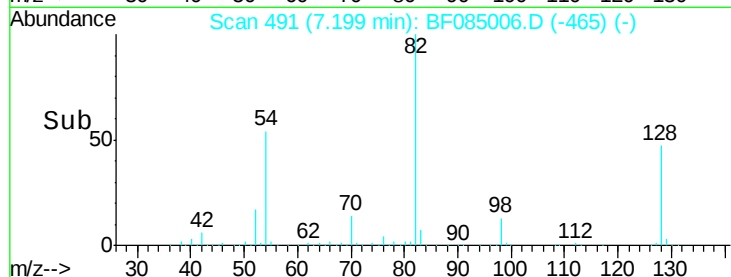
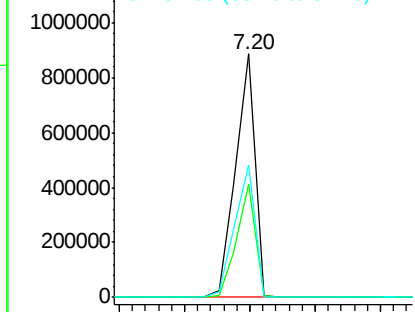
#23
 Nitrobenzene-d5
 Concen: 89.10 ng
 RT: 7.20 min Scan# 491
 Delta R.T. 0.00 min
 Lab File: BF085006.D
 Acq: 10 Feb 2016 21:23

Instrument :
 BNA_F
 ClientSampleId :
 S4-B002(27-29)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.5	34.6	51.8
54	54.2	38.4	57.6

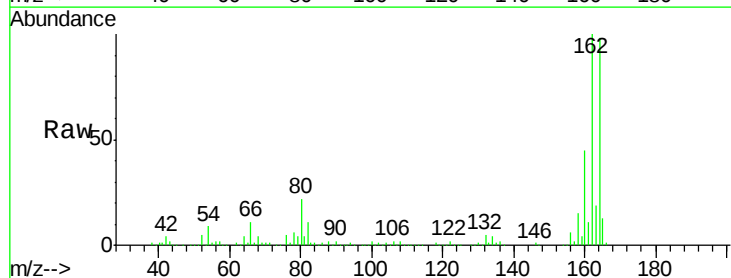


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

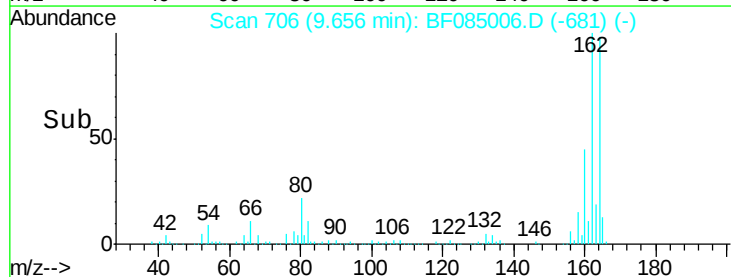
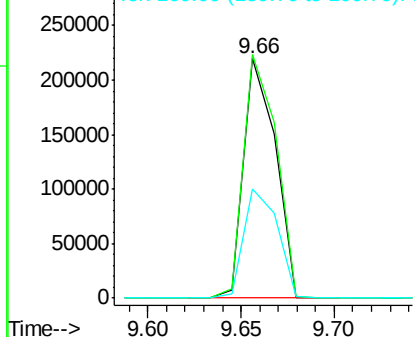


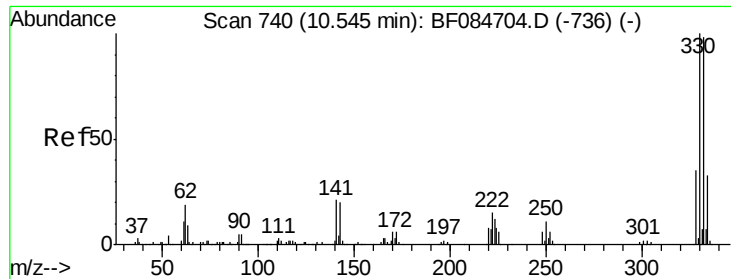
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: BF085006.D
 Acq: 10 Feb 2016 21:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	85.1	127.7
160	45.8	37.5	56.3



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

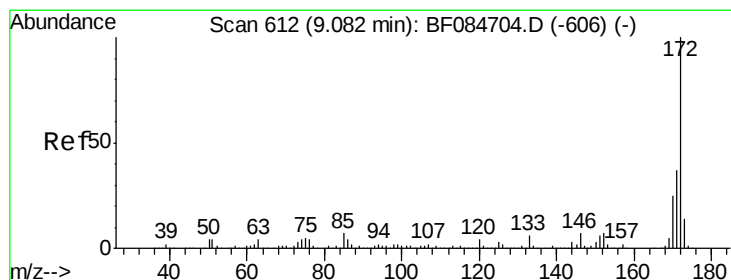
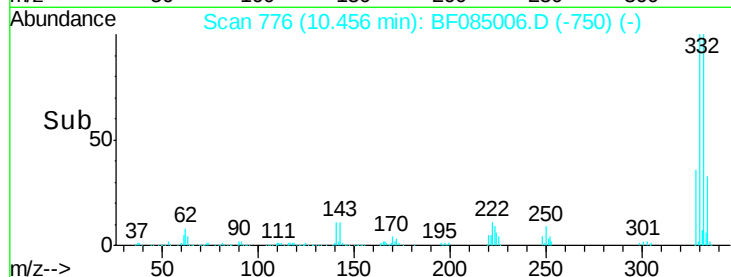
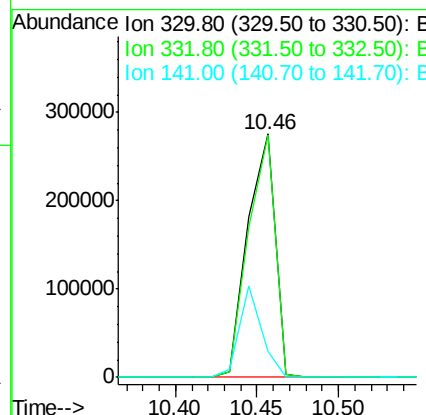
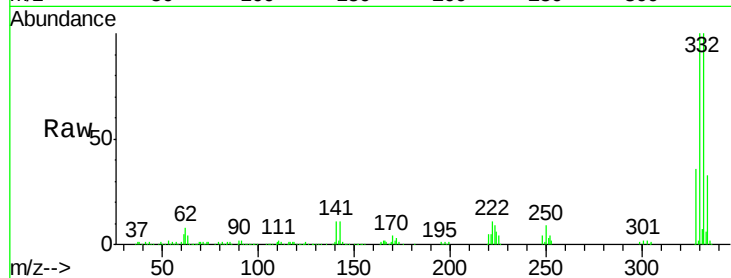




#41
 2,4,6-Tribromophenol
 Concen: 118.92 ng
 RT: 10.46 min Scan# 776
 Delta R.T. 0.00 min
 Lab File: BF085006.D
 Acq: 10 Feb 2016 21:23

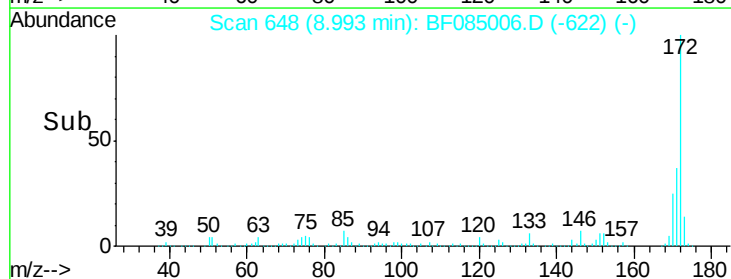
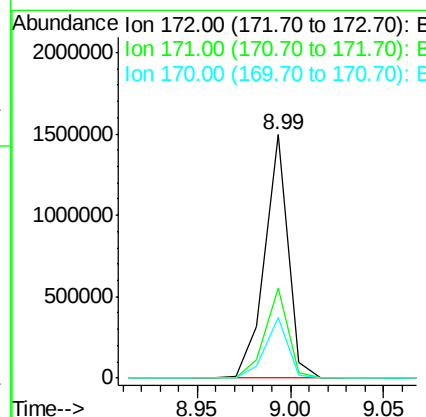
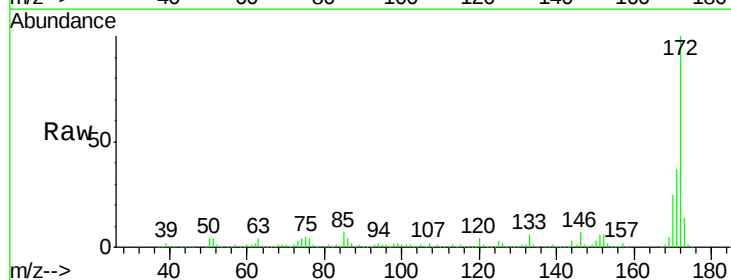
Instrument :
 BNA_F
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 S4-B002(27-29)

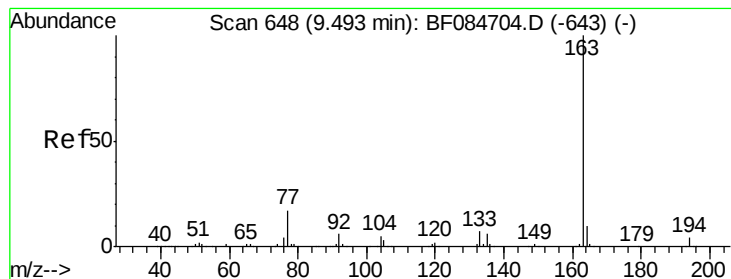
Tgt Ion:330 Resp: 322216
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.6 114.8
 141 31.3 27.8 41.6



#44
 2-Fluorobiphenyl
 Concen: 85.99 ng
 RT: 8.99 min Scan# 648
 Delta R.T. 0.00 min
 Lab File: BF085006.D
 Acq: 10 Feb 2016 21:23

Tgt Ion:172 Resp: 1321368
 Ion Ratio Lower Upper
 172 100
 171 37.0 28.9 43.3
 170 24.8 18.6 27.8





#49

Dimethylphthalate

Concen: 15.77 ng

RT: 9.39 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF085006.D

Acq: 10 Feb 2016 21:23

Instrument :

BNA_F

ClientSampleId :

S4-B002(27-29)

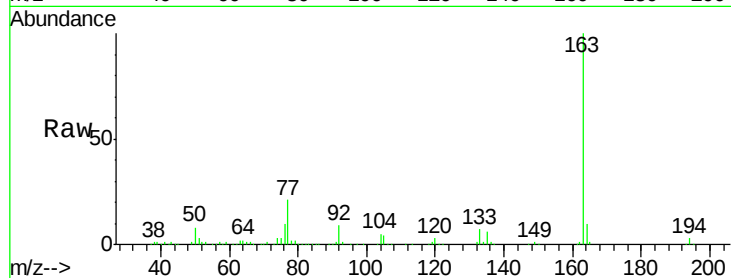
Tgt Ion:163 Resp: 312010

Ion Ratio Lower Upper

163 100

194 3.3 8.0 12.0#

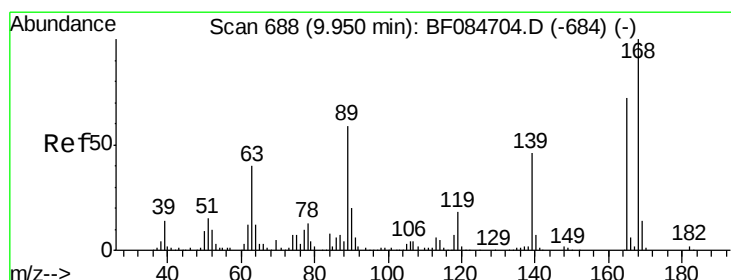
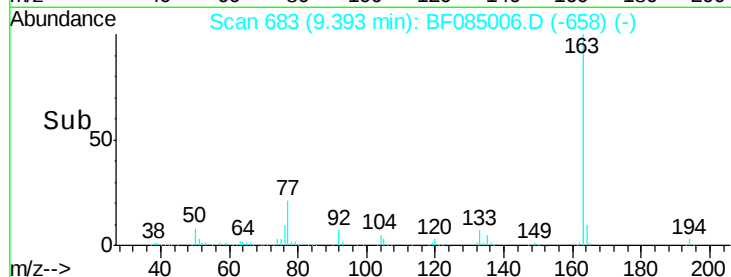
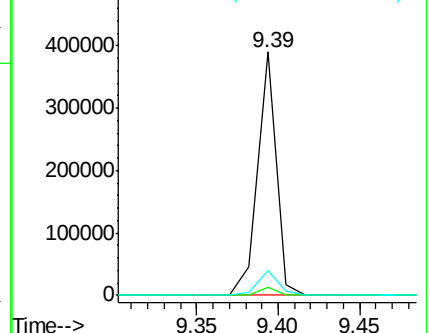
164 10.2 8.0 12.0



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



#56

2,4-Dinitrotoluene

Concen: 6.12 ng

RT: 9.66 min Scan# 706

Delta R.T. -0.22 min

Lab File: BF085006.D

Acq: 10 Feb 2016 21:23

Tgt Ion:165 Resp: 33746

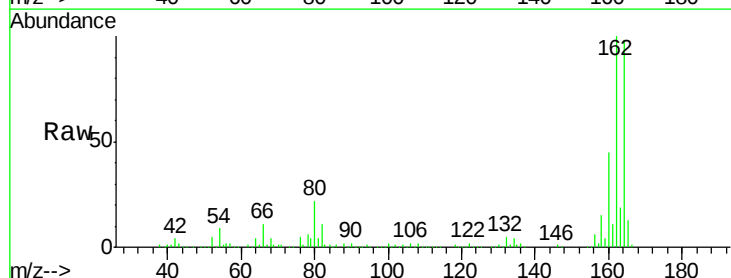
Ion Ratio Lower Upper

165 100

63 2.2 36.7 55.1#

89 1.9 61.9 92.9#

182 0.0 2.0 3.0#

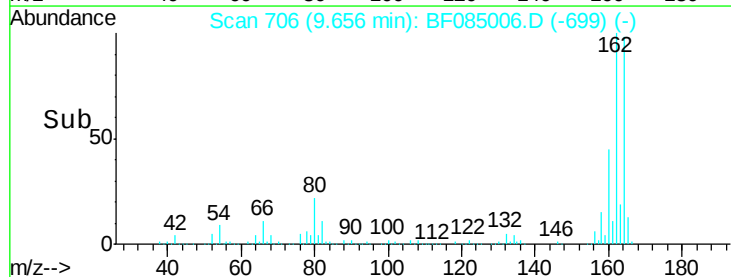
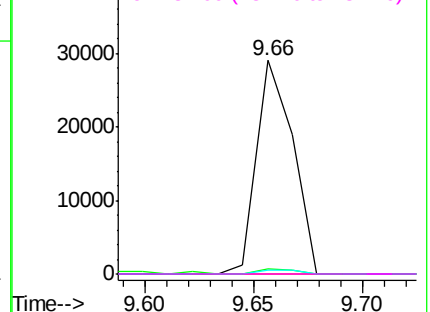


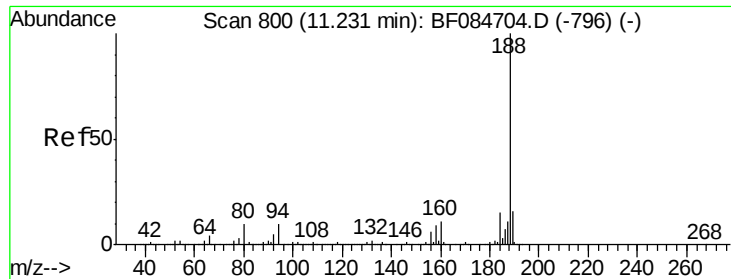
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

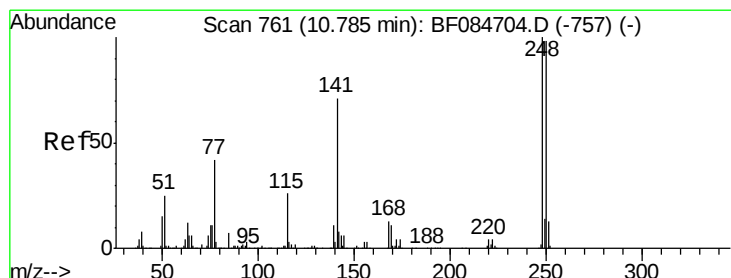
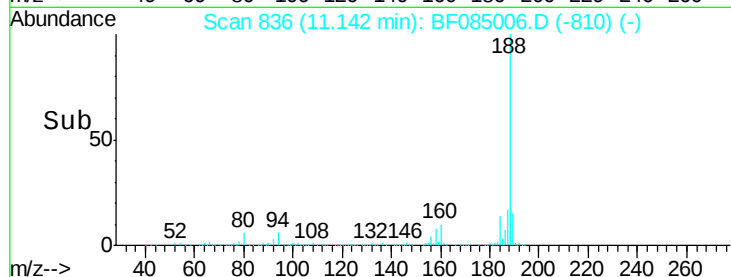
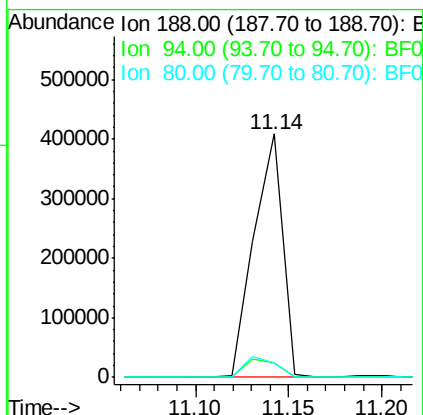
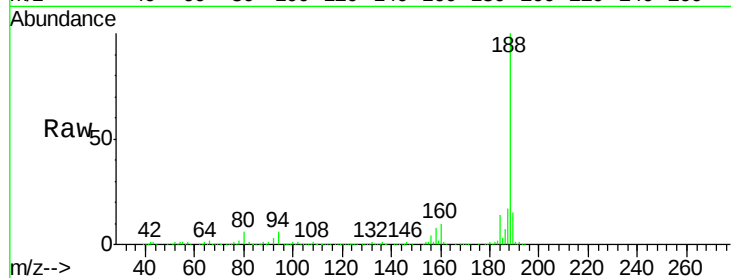




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 836
Delta R.T. 0.00 min
Lab File: BF085006.D
Acq: 10 Feb 2016 21:23

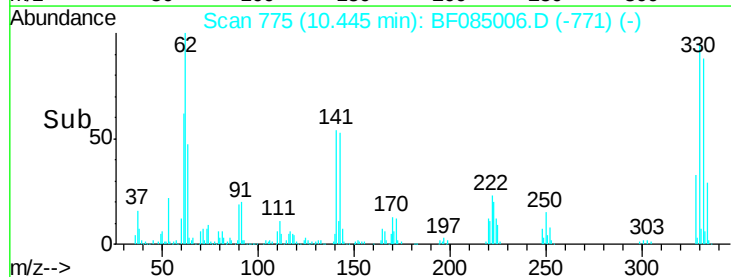
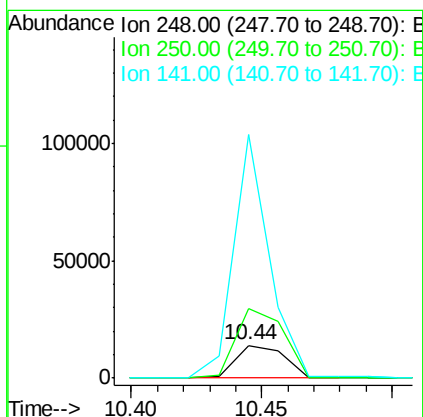
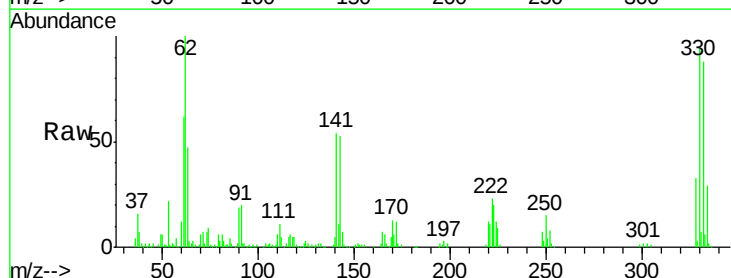
Instrument :
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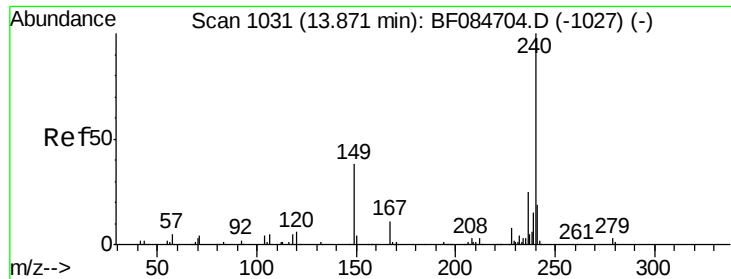
Tgt Ion:188 Resp: 442679
Ion Ratio Lower Upper
188 100
94 6.2 9.0 13.4#
80 6.1 9.6 14.4#



#66
4-Bromophenyl-phenylether
Concen: 3.69 ng
RT: 10.44 min Scan# 775
Delta R.T. -0.25 min
Lab File: BF085006.D
Acq: 10 Feb 2016 21:23

Tgt Ion:248 Resp: 18029
Ion Ratio Lower Upper
248 100
250 214.3 78.4 117.6#
141 748.0 44.0 66.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1066

Delta R.T. 0.00 min

Lab File: BF085006.D

Acq: 10 Feb 2016 21:23

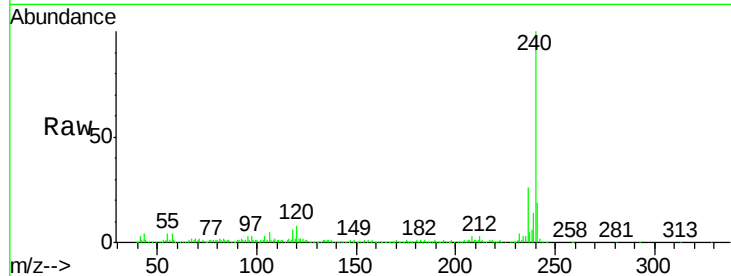
Instrument :

BNA_F

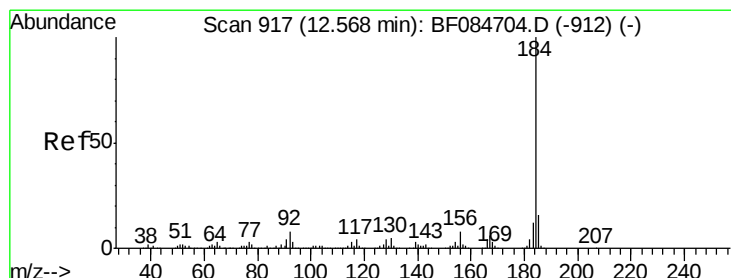
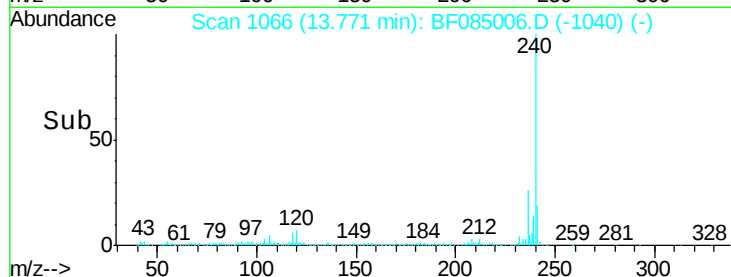
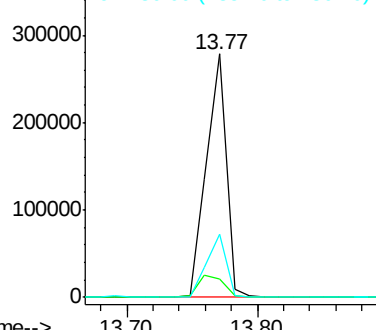
ClientSampleId :

S4-B002(27-29)

Tgt Ion:240 Resp: 294662
 Ion Ratio Lower Upper
 240 100
 120 7.5 9.5 14.3#
 236 25.9 20.6 31.0



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



#76

Benzidine

Concen: 7.57 ng

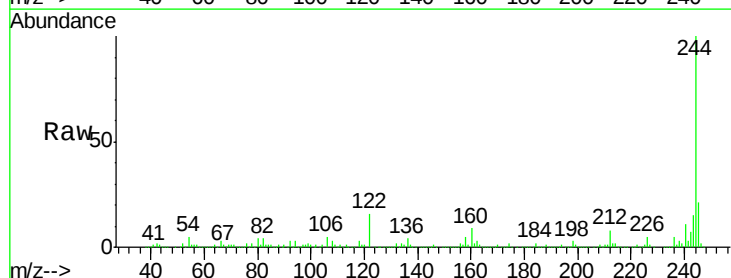
RT: 12.72 min Scan# 974

Delta R.T. 0.24 min

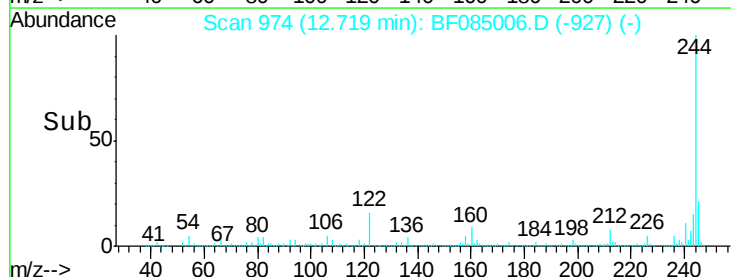
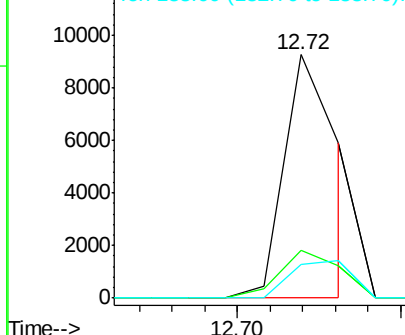
Lab File: BF085006.D

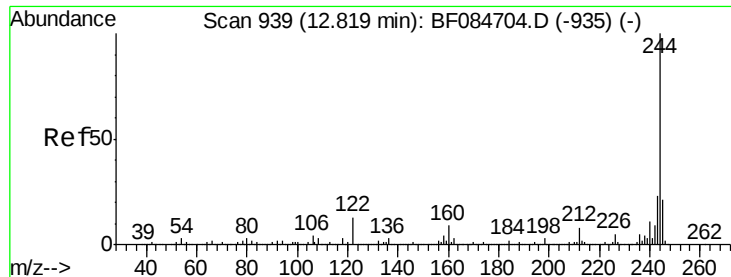
Acq: 10 Feb 2016 21:23

Tgt Ion:184 Resp: 10715
 Ion Ratio Lower Upper
 184 100
 185 19.7 12.2 18.2#
 183 14.1 9.8 14.8



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 185.00 (184.70 to 185.70): E
 Ion 183.00 (182.70 to 183.70): E

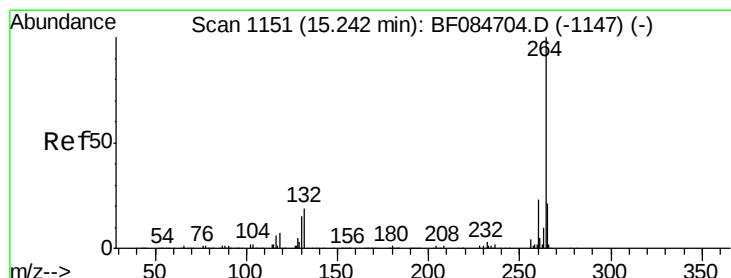
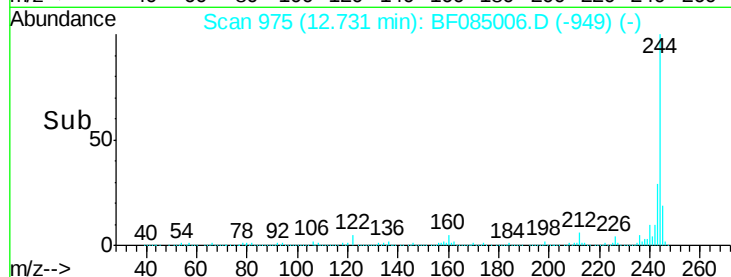
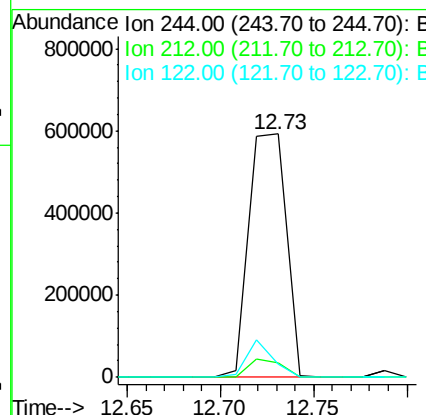
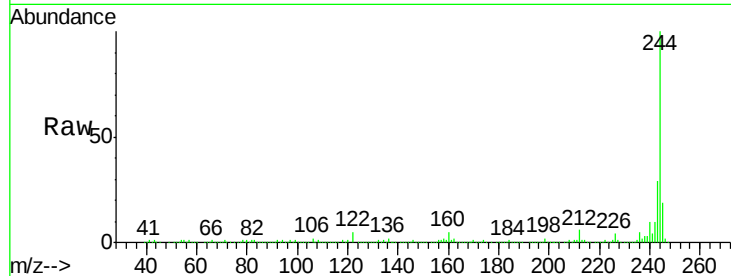




#78
 Terphenyl-d14
 Concen: 63.55 ng
 RT: 12.73 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: BF085006.D
 Acq: 10 Feb 2016 21:23

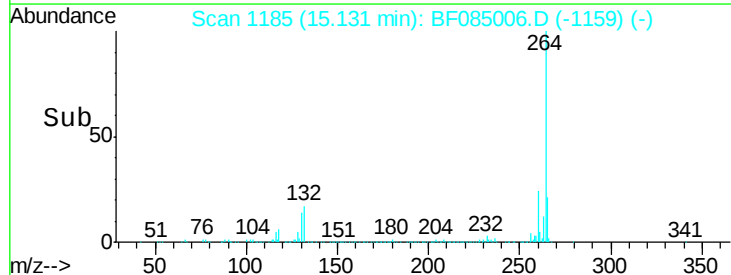
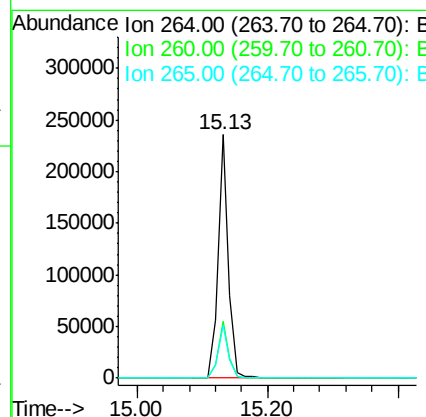
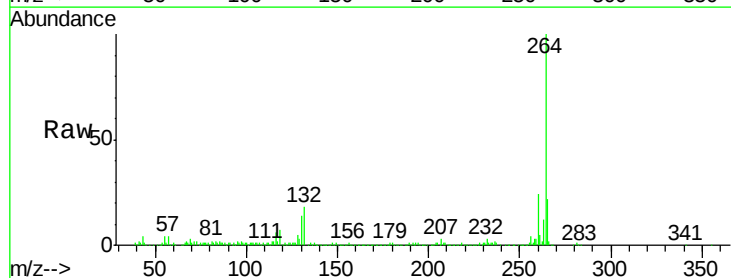
Instrument :
 BNA_F
 ClientSampleId :
 S4-B002(27-29)

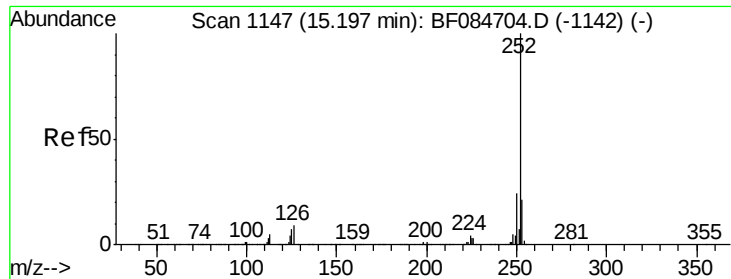
Tgt Ion:244 Resp: 826407
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.7 8.5
 122 5.3 7.4 11.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.13 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: BF085006.D
 Acq: 10 Feb 2016 21:23

Tgt Ion:264 Resp: 264481
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.4 29.2
 265 21.6 17.8 26.6





#89

Benzo(a)pyrene

Concen: 2.61 ng

RT: 15.15 min Scan# 1187

Delta R.T. 0.08 min

Lab File: BF085006.D

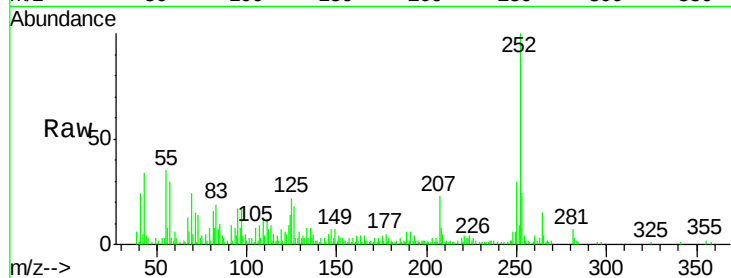
Acq: 10 Feb 2016 21:23

Instrument :

BNA_F

ClientSampleId :

S4-B002(27-29)



Tgt Ion:	252	Resp:	39494
Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.3	25.9
125	21.7	7.0	10.4#

