

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021716\
 Data File : BF085094.D
 Acq On : 17 Feb 2016 18:52
 Operator : SJ/IZ
 Sample : H1386-06RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 17 23:53:54 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 17 16:42:47 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.99	152	221086	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	754876	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	391988	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	702708	20.00	ng	0.00
75) Chrysene-d12	14.15	240	481371	20.00	ng	-0.01
86) Perylene-d12	15.63	264	477505	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1378969	109.01	ng	0.01
7) Phenol-d6	6.62	99	1842492	115.86	ng	0.00
23) Nitrobenzene-d5	7.55	82	991252	80.49	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	484066	116.32	ng	0.00
44) 2-Fluorobiphenyl	9.36	172	1920438	72.40	ng	0.00
78) Terphenyl-d14	13.10	244	1302295	75.77	ng	-0.01

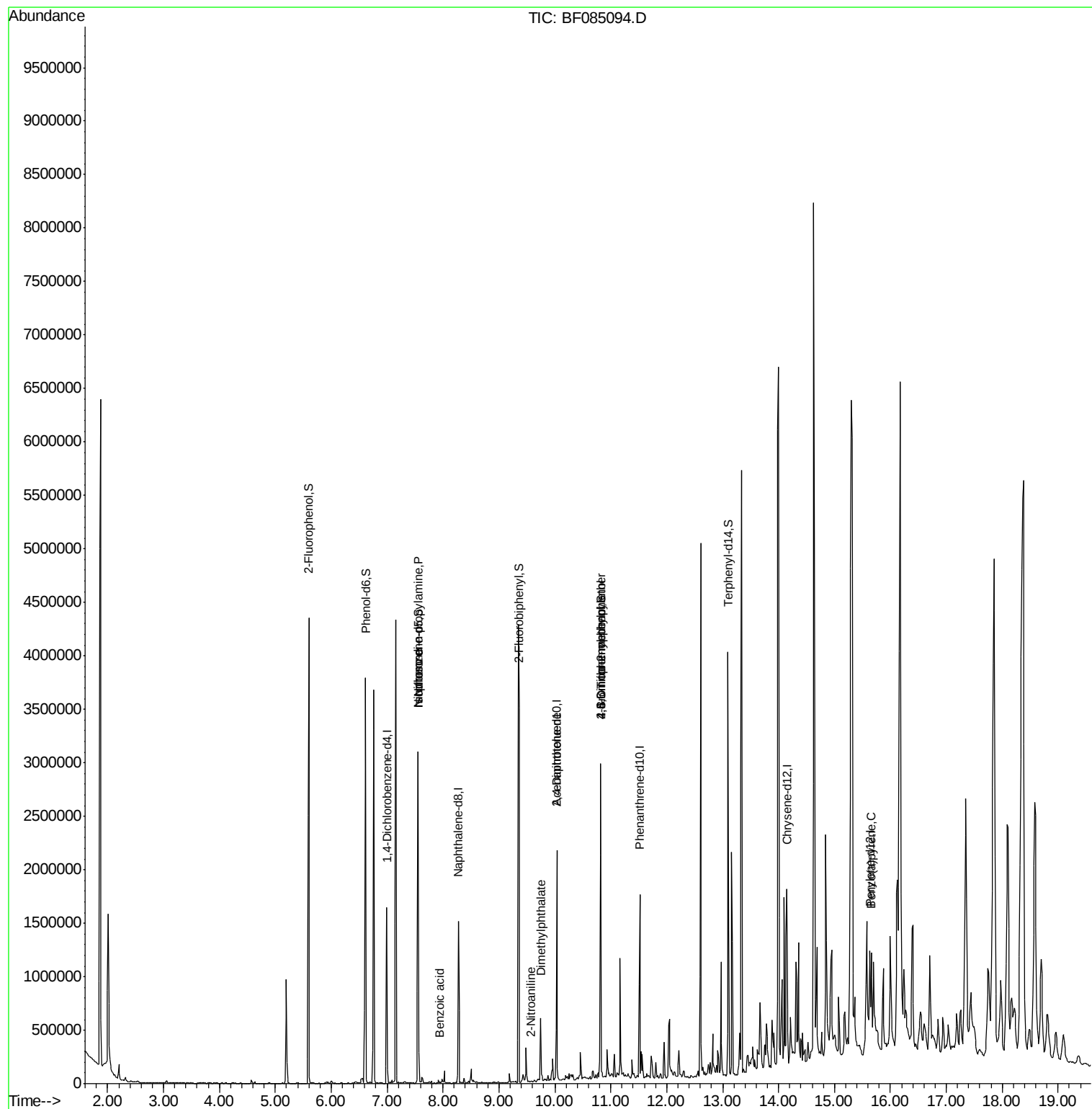
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.55	70	140077	12.90	ng	# 70
25) Isophorone	7.55	82	985457	38.29	ng	# 67
32) Benzoic acid	7.94	122	3683	6.95	ng	90
47) 2-Nitroaniline	9.58	65	261	4.10	ng	# 1
49) Dimethylphthalate	9.75	163	341552	11.87	ng	# 96
56) 2,4-Dinitrotoluene	10.03	165	51319	6.87	ng	# 25
64) 4,6-Dinitro-2-methylphenol	10.82	198	1110	6.54	ng	# 1
66) 4-Bromophenyl-phenylether	10.82	248	32884	4.01	ng	# 1
89) Benzo(a)pyrene	15.66	252	281427	10.88	ng	# 92

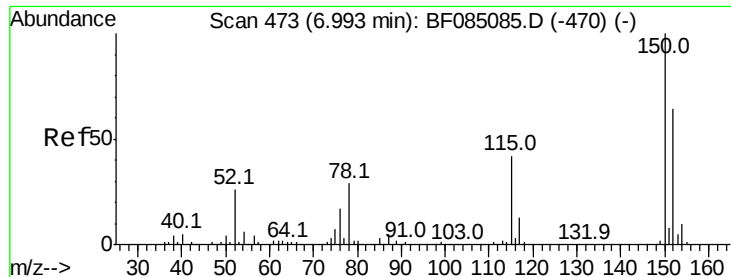
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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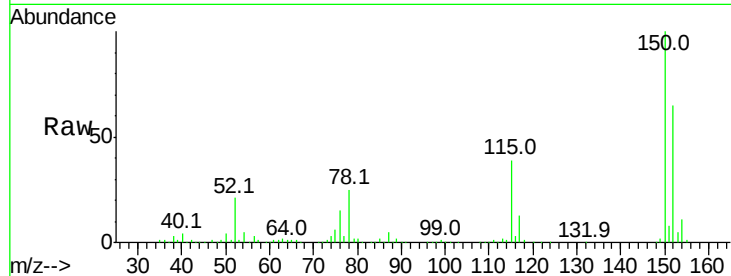


#1

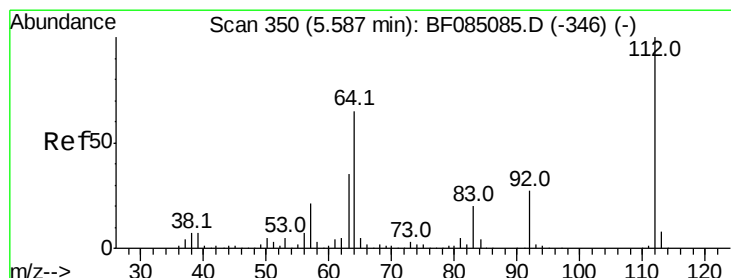
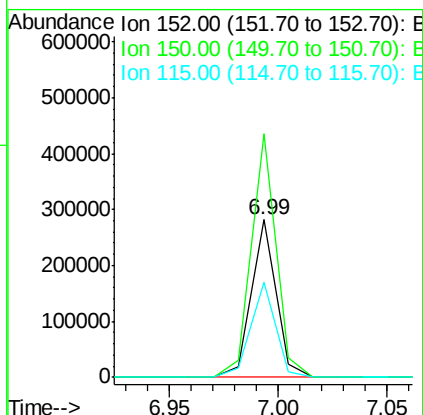
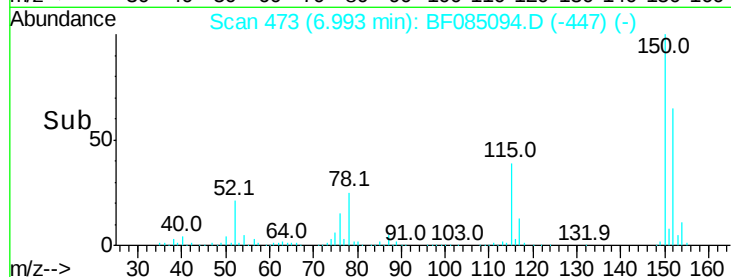
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.99 min Scan# 473
Delta R.T. 0.00 min
Lab File: BF085094.D
Acq: 17 Feb 2016 18:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 221086
Ion Ratio Lower Upper
152 100
150 154.9 127.4 191.2
115 60.3 50.5 75.7



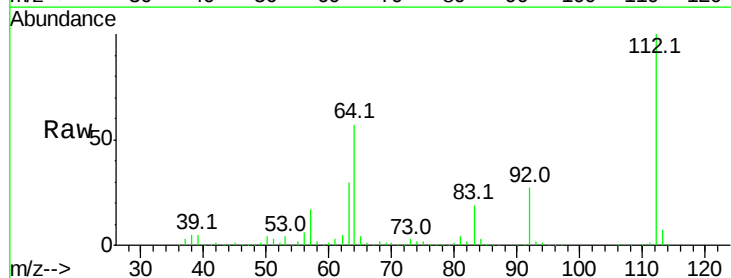
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



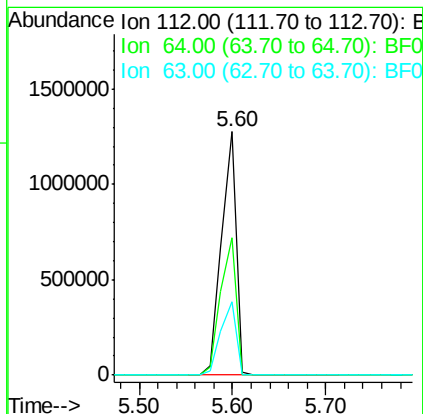
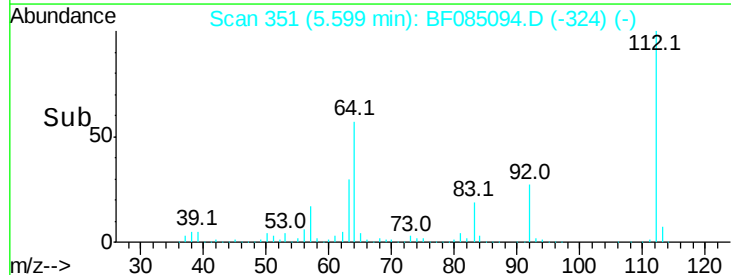
#5

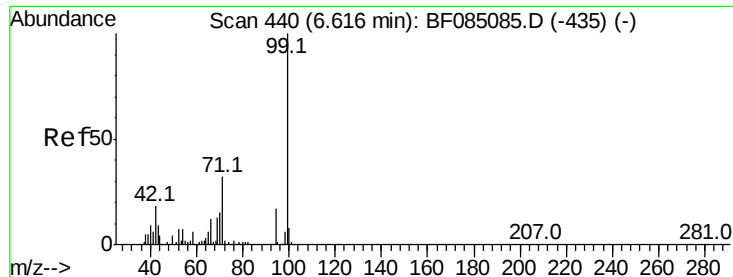
2-Fluorophenol
Concen: 109.01 ng
RT: 5.60 min Scan# 351
Delta R.T. 0.01 min
Lab File: BF085094.D
Acq: 17 Feb 2016 18:52

Tgt Ion:112 Resp: 1378969
Ion Ratio Lower Upper
112 100
64 56.5 45.4 68.2
63 29.9 23.2 34.8



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: 115.86 ng

RT: 6.62 min Scan# 440

Delta R.T. 0.00 min

Lab File: BF085094.D

Acq: 17 Feb 2016 18:52

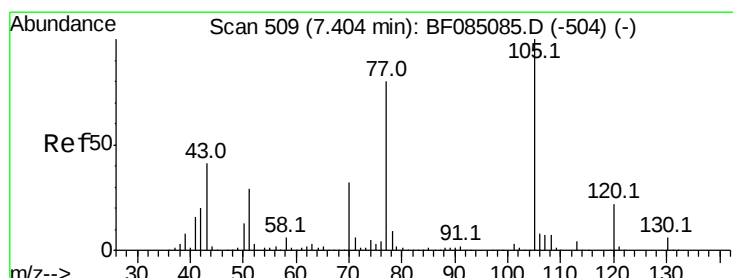
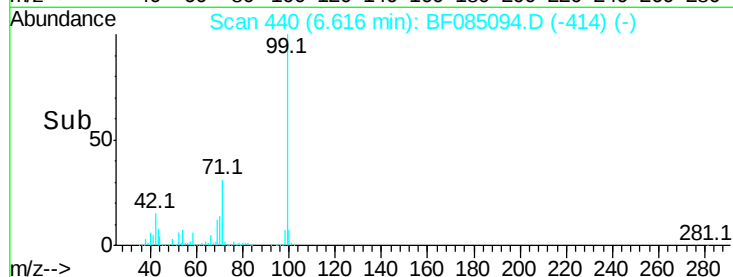
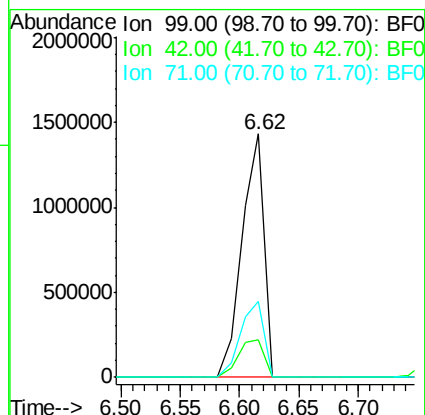
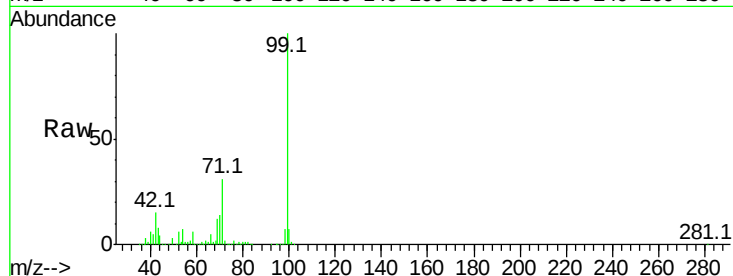
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1842492

Ion	Ratio	Lower	Upper
99	100		
42	15.2	17.0	25.4#
71	31.2	28.3	42.5



#19

n-Nitroso-di-n-propylamine

Concen: 12.90 ng

RT: 7.55 min Scan# 522

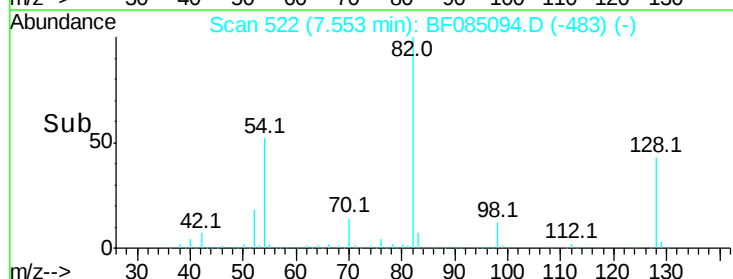
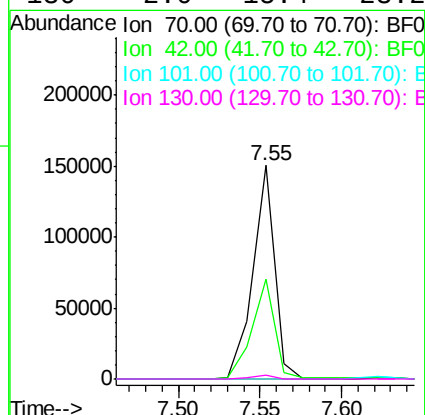
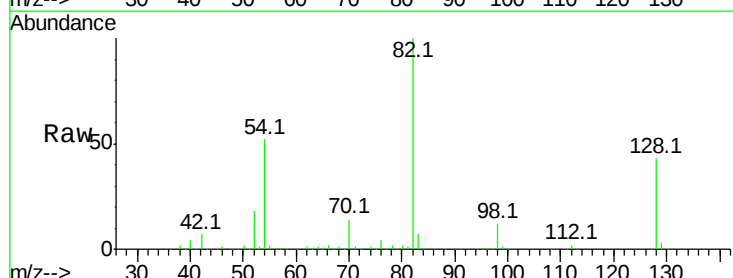
Delta R.T. 0.15 min

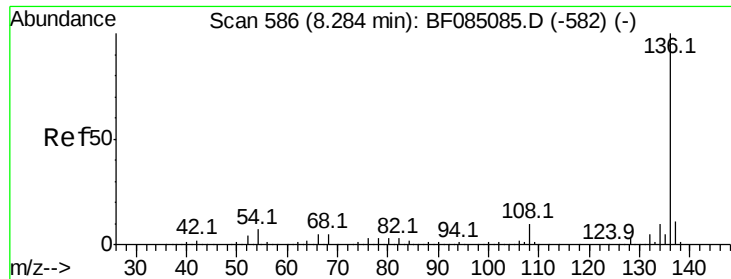
Lab File: BF085094.D

Acq: 17 Feb 2016 18:52

Tgt Ion: 70 Resp: 140077

Ion	Ratio	Lower	Upper
70	100		
42	47.0	55.8	83.6#
101	0.0	7.7	11.5#
130	2.0	15.4	23.2#

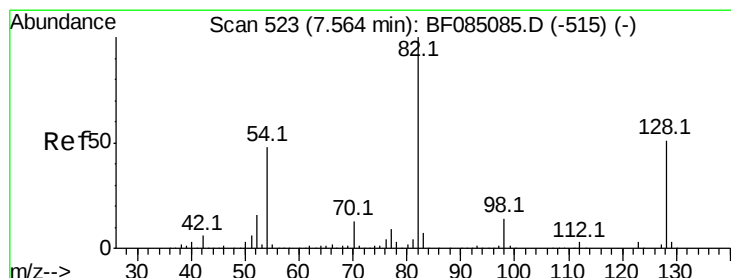
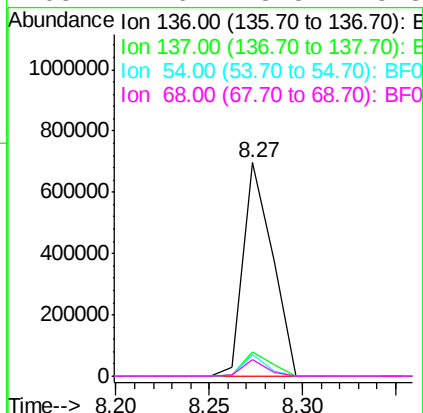
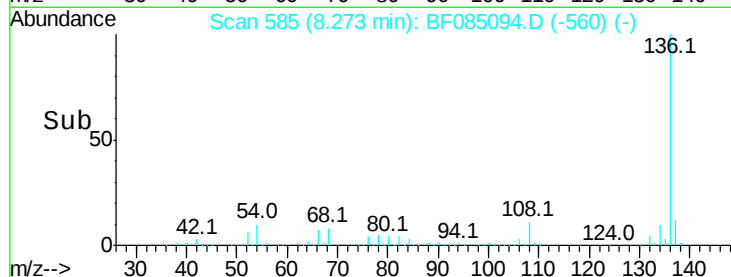
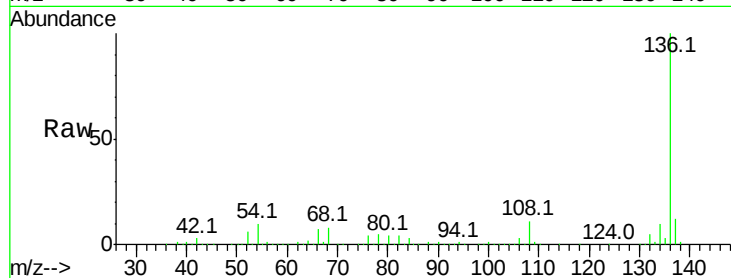




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.27 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF085094.D
Acq: 17 Feb 2016 18:52

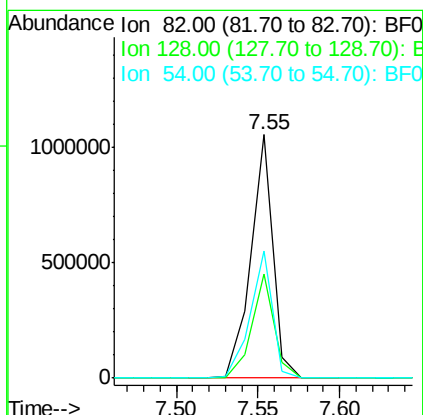
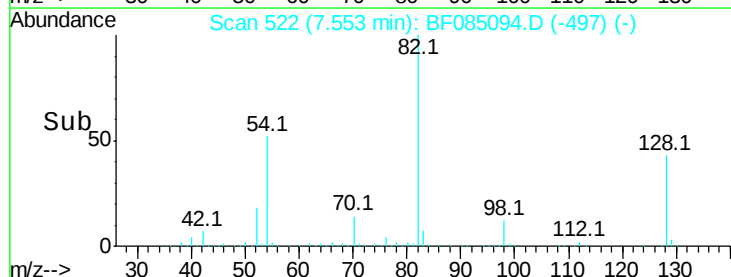
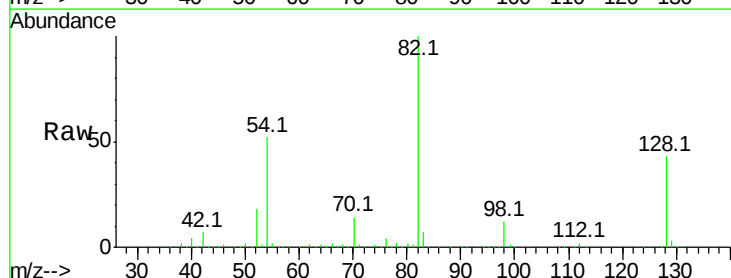
Instrument :
BNA_F
ClientSampled :

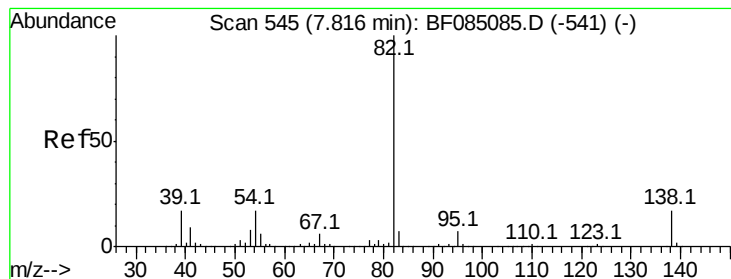
Tot Ion:	136	Resp:	754876
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.9	13.3
54	10.3	6.1	9.1#
68	7.6	3.5	5.3#



#23
Nitrobenzene-d5
Concen: 80.49 ng
RT: 7.55 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF085094.D
Acq: 17 Feb 2016 18:52

Tgt Ion:	82	Resp:	991252
Ion	Ratio	Lower	Upper
82	100		
128	43.0	36.8	55.2
54	52.4	44.4	66.6





#25

Isophorone

Concen: 38.29 ng

RT: 7.55 min Scan# 522

Delta R.T. -0.26 min

Lab File: BF085094.D

Acq: 17 Feb 2016 18:52

Instrument :

BNA_F

ClientSampleId :

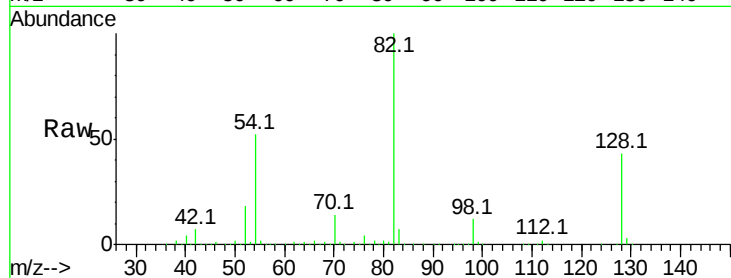
Tot Ion: 82 Resp: 985457

Ion Ratio Lower Upper

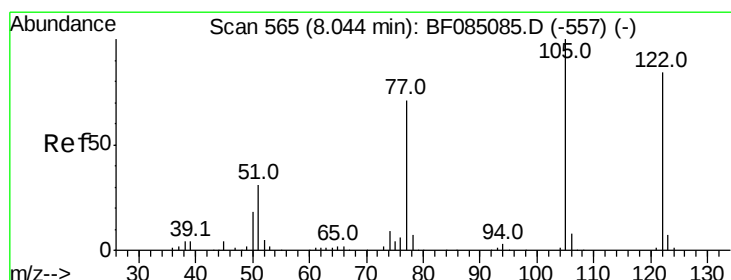
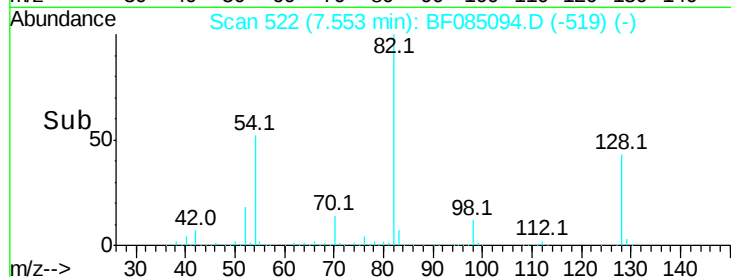
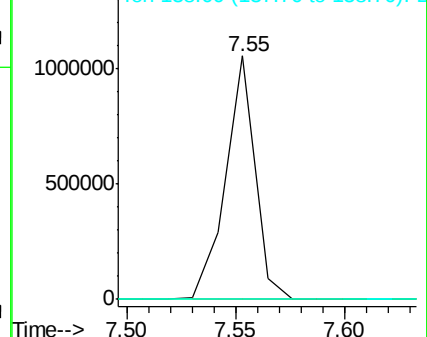
82 100

95 0.0 6.1 9.1#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#32

Benzoic acid

Concen: 6.95 ng

RT: 7.94 min Scan# 556

Delta R.T. -0.10 min

Lab File: BF085094.D

Acq: 17 Feb 2016 18:52

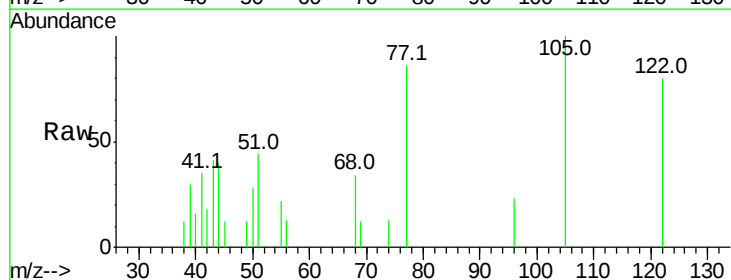
Tgt Ion:122 Resp: 3683

Ion Ratio Lower Upper

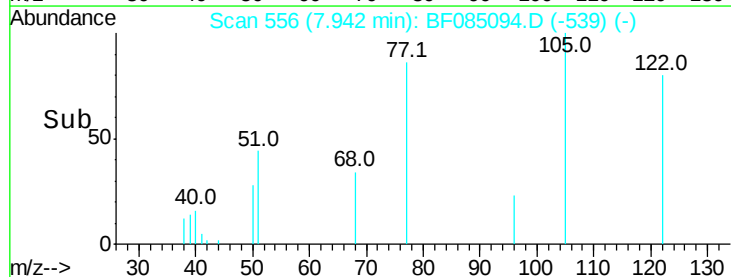
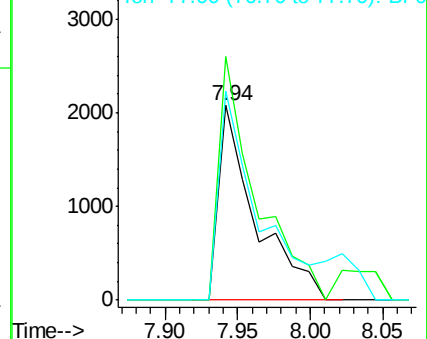
122 100

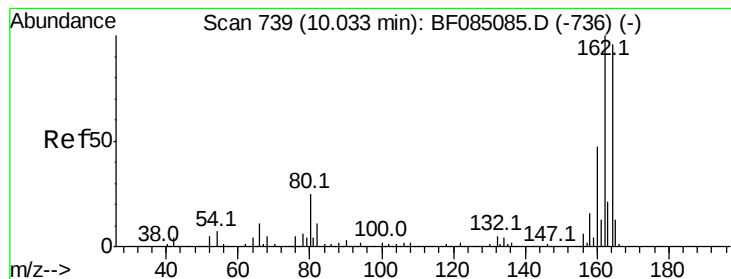
105 124.9 101.3 141.3

77 107.4 70.0 110.0



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.03 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF085094.D

Acq: 17 Feb 2016 18:52

Instrument :

BNA_F

ClientSampleId :

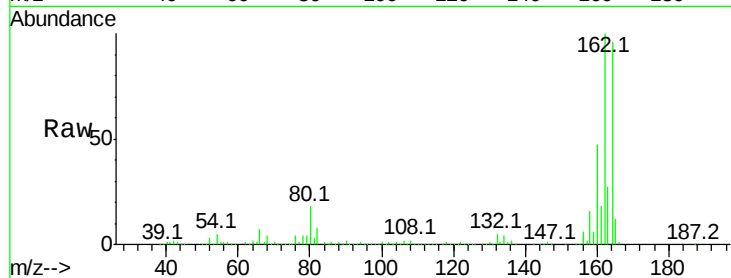
Tot Ion:164 Resp: 391988

Ion Ratio Lower Upper

164 100

162 104.2 81.1 121.7

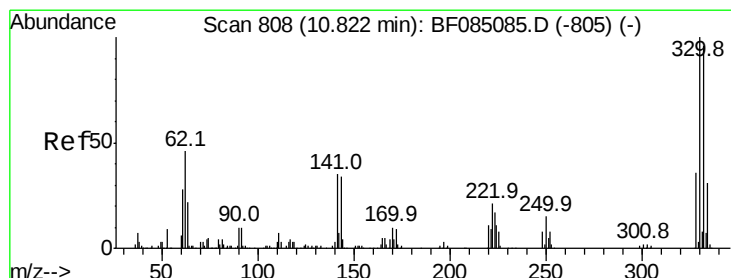
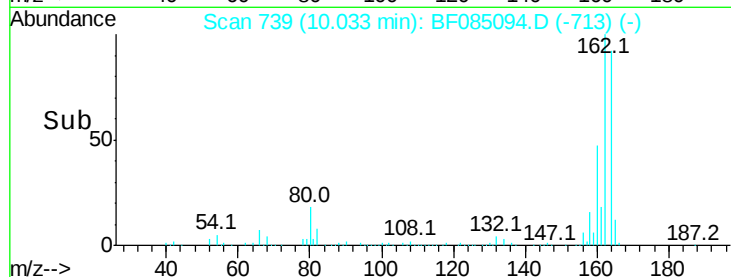
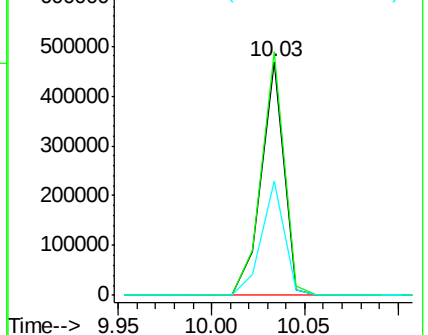
160 48.7 37.4 56.0



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: 116.32 ng

RT: 10.82 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF085094.D

Acq: 17 Feb 2016 18:52

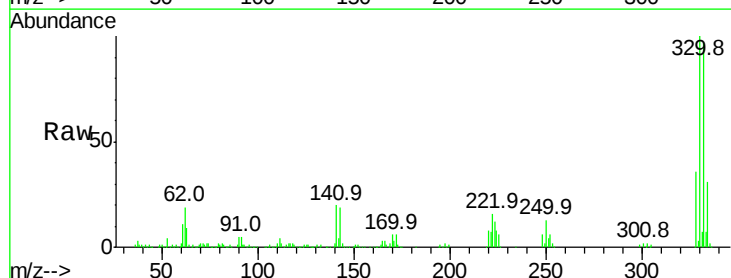
Tgt Ion:330 Resp: 484066

Ion Ratio Lower Upper

330 100

332 96.0 78.5 117.7

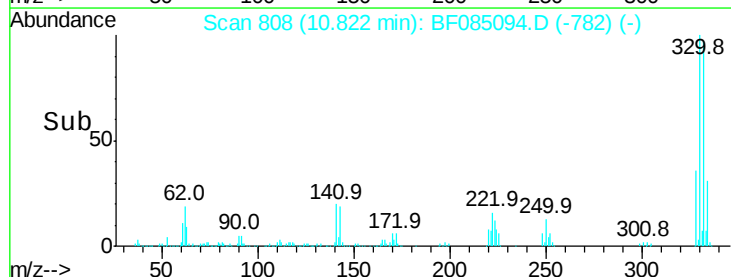
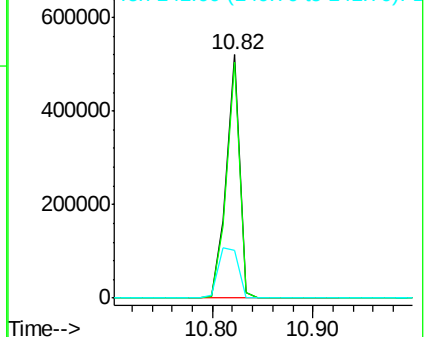
141 31.2 28.6 42.8

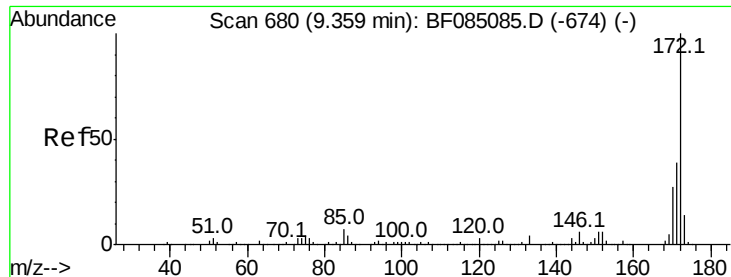


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



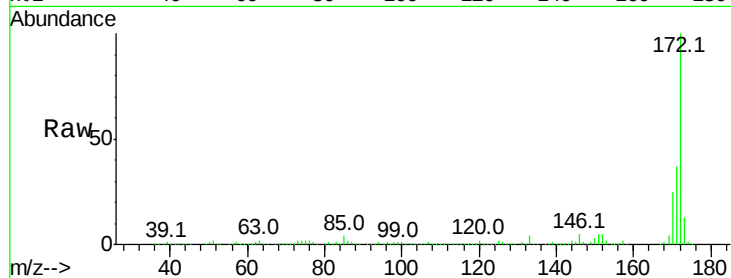


#44
 2-Fluorobiphenyl
 Concen: 72.40 ng
 RT: 9.36 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: BF085094.D
 Acq: 17 Feb 2016 18:52

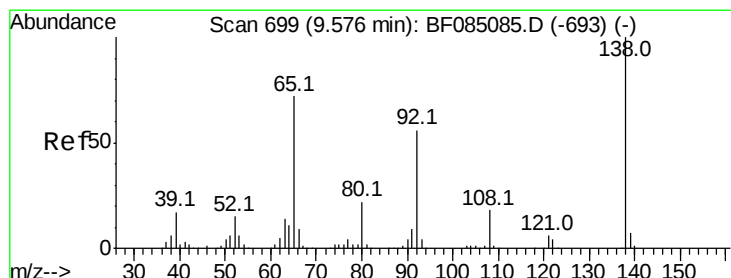
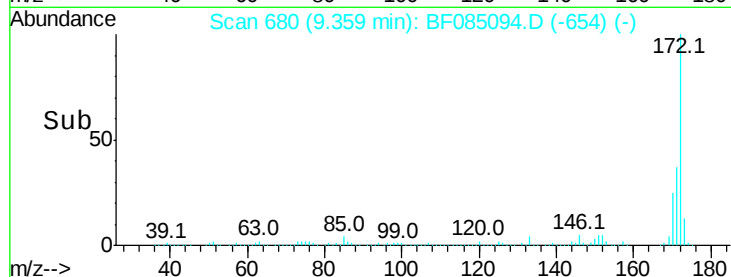
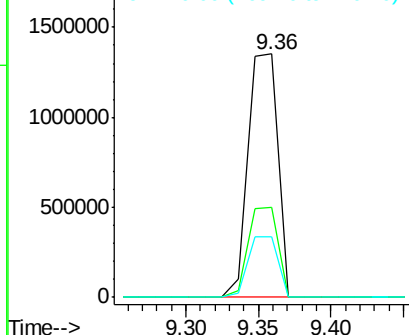
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1920438

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.1	43.7
170	25.1	19.6	29.4



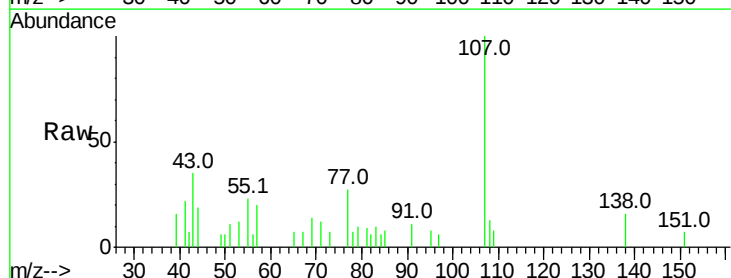
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



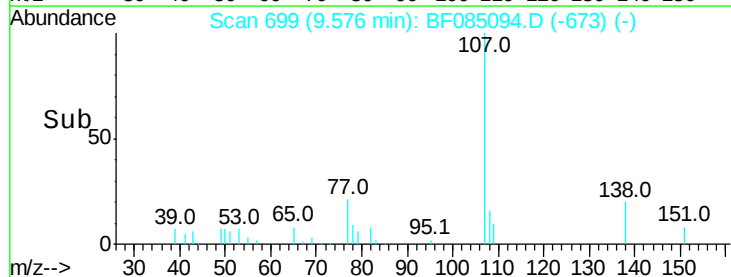
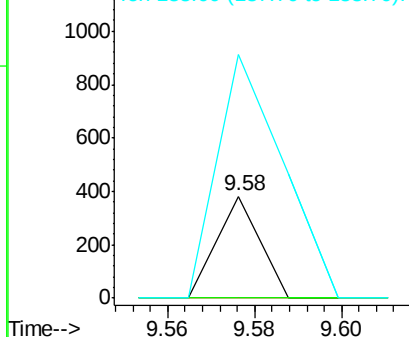
#47
 2-Nitroaniline
 Concen: 4.10 ng
 RT: 9.58 min Scan# 699
 Delta R.T. 0.00 min
 Lab File: BF085094.D
 Acq: 17 Feb 2016 18:52

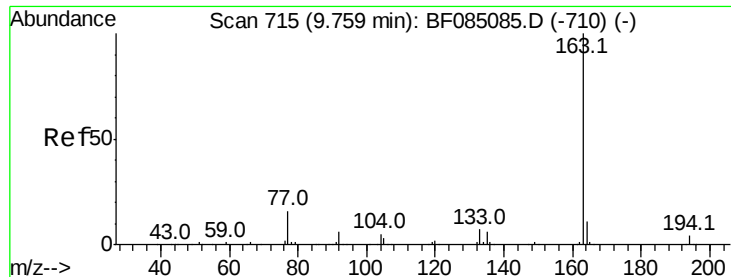
Tgt Ion: 65 Resp: 261

Ion	Ratio	Lower	Upper
65	100		
92	0.0	57.1	85.7#
138	239.4	86.8	130.2#



Abundance Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 138.00 (137.70 to 138.70): E

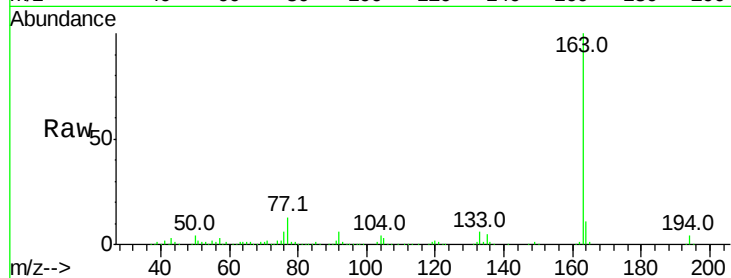




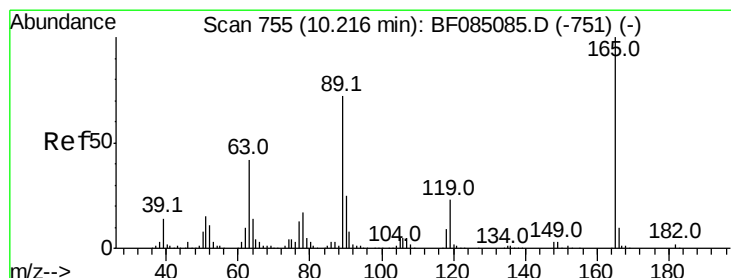
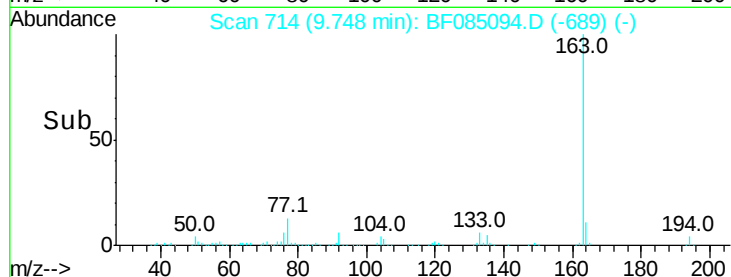
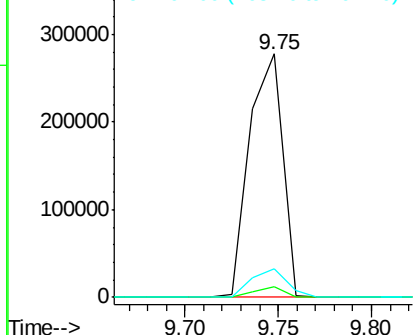
#49
Dimethylphthalate
Concen: 11.87 ng
RT: 9.75 min Scan# 714
Delta R.T. -0.01 min
Lab File: BF085094.D
Acq: 17 Feb 2016 18:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	2.5	3.7#
164	11.5	7.8	11.8

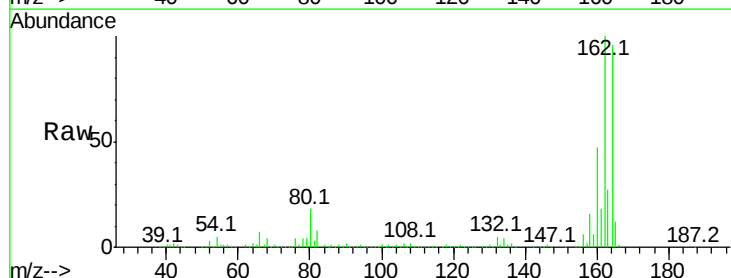


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

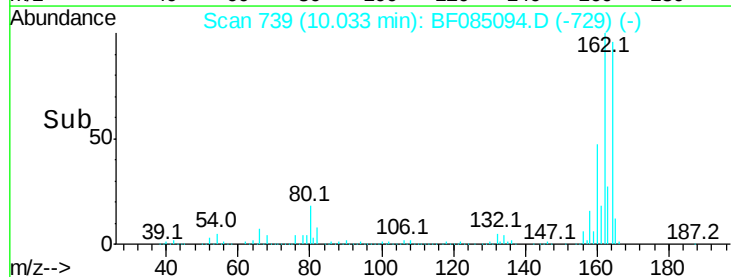
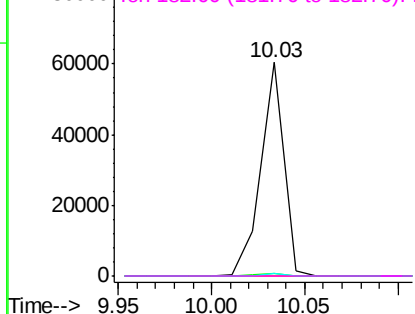


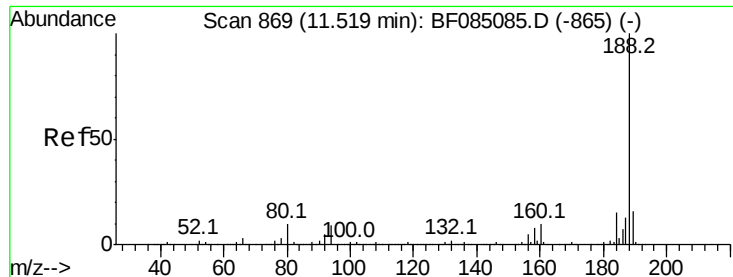
#56
2,4-Dinitrotoluene
Concen: 6.87 ng
RT: 10.03 min Scan# 739
Delta R.T. -0.18 min
Lab File: BF085094.D
Acq: 17 Feb 2016 18:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.6	55.0#
89	1.5	54.4	81.6#
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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.52 min Scan# 869

Delta R.T. 0.00 min

Lab File: BF085094.D

Acq: 17 Feb 2016 18:52

Instrument :

BNA_F

ClientSampled :

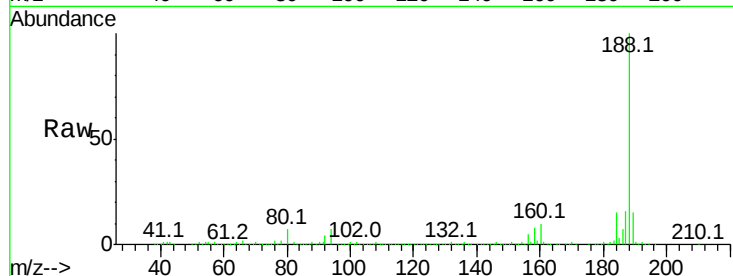
Tot Ion:188 Resp: 702708

Ion Ratio Lower Upper

188 100

94 7.0 6.2 9.2

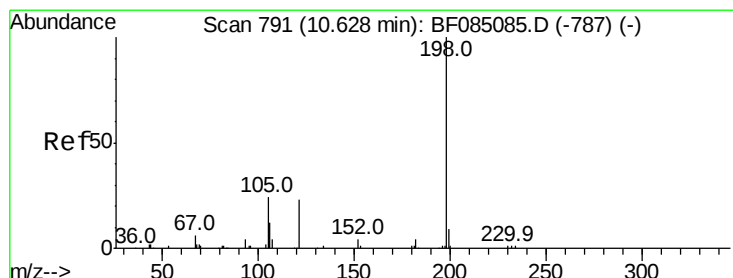
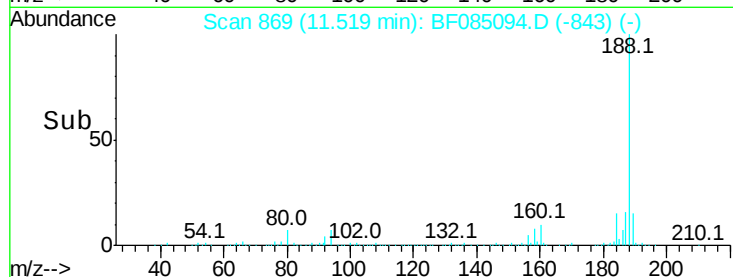
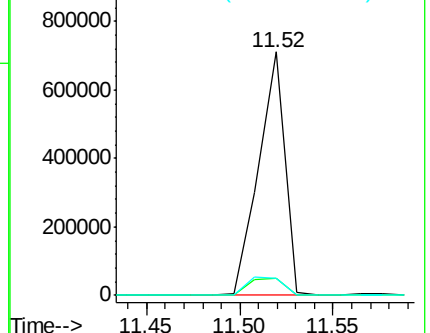
80 7.1 6.6 9.8



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: 6.54 ng

RT: 10.82 min Scan# 808

Delta R.T. 0.20 min

Lab File: BF085094.D

Acq: 17 Feb 2016 18:52

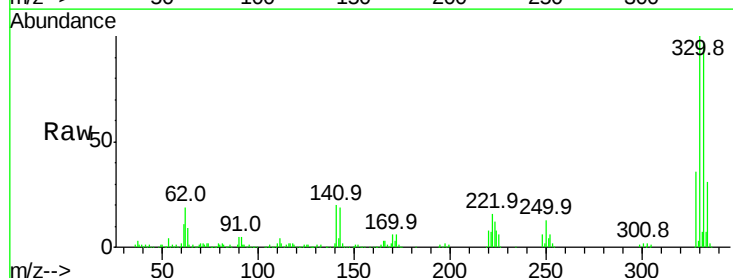
Tgt Ion:198 Resp: 1110

Ion Ratio Lower Upper

198 100

51 112.2 34.5 74.5#

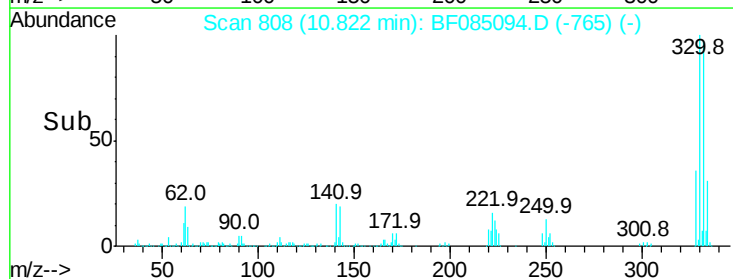
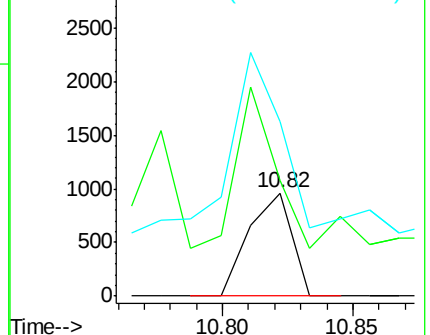
105 169.3 26.2 66.2#

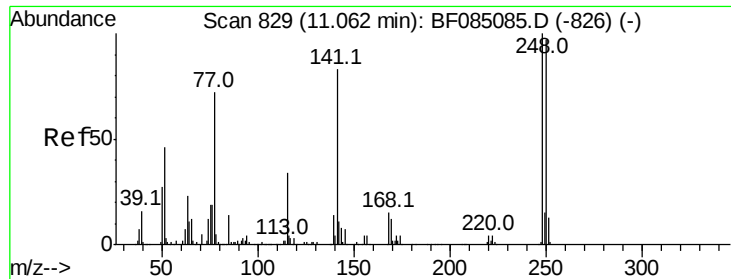


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 4.01 ng

RT: 10.82 min Scan# 808

Delta R.T. -0.24 min

Lab File: BF085094.D

Acq: 17 Feb 2016 18:52

Instrument :

BNA_F

ClientSampleId :

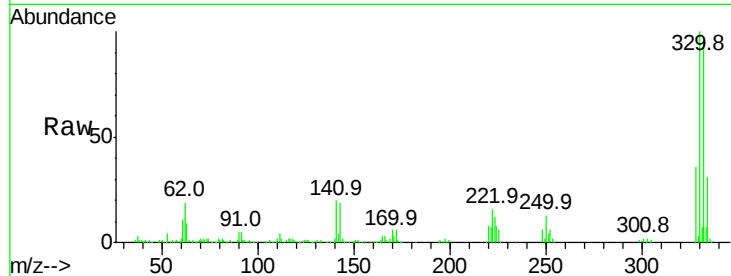
Tot Ion:248 Resp: 32884

Ion Ratio Lower Upper

248 100

250 207.0 77.5 116.3#

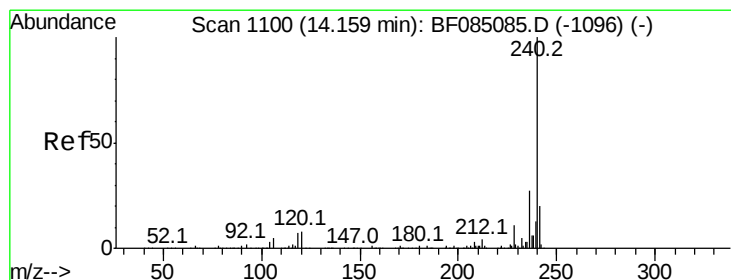
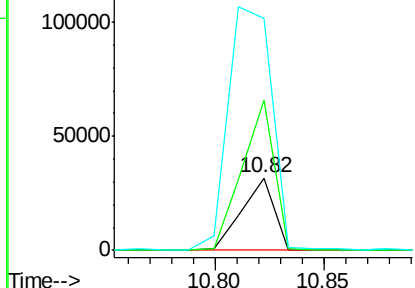
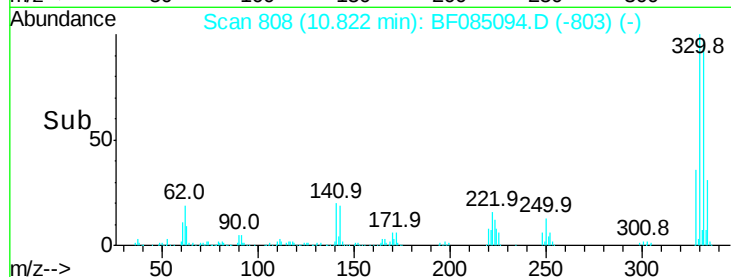
141 321.4 58.2 87.4#



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: 14.15 min Scan# 1099

Delta R.T. -0.01 min

Lab File: BF085094.D

Acq: 17 Feb 2016 18:52

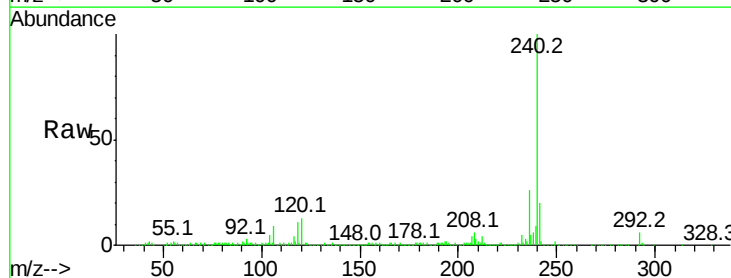
Tgt Ion:240 Resp: 481371

Ion Ratio Lower Upper

240 100

120 13.0 7.0 10.6#

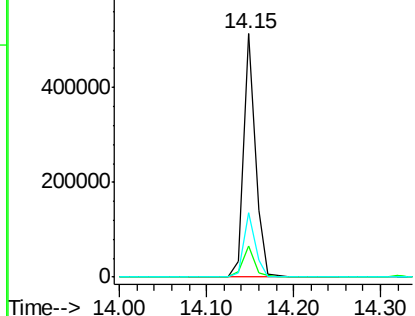
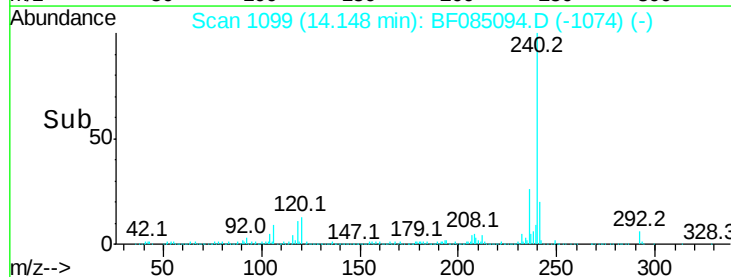
236 26.3 20.5 30.7

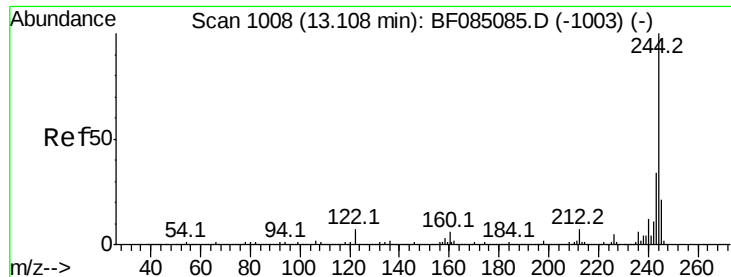


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 75.77 ng

RT: 13.10 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF085094.D

Acq: 17 Feb 2016 18:52

Instrument :

BNA_F

ClientSampleId :

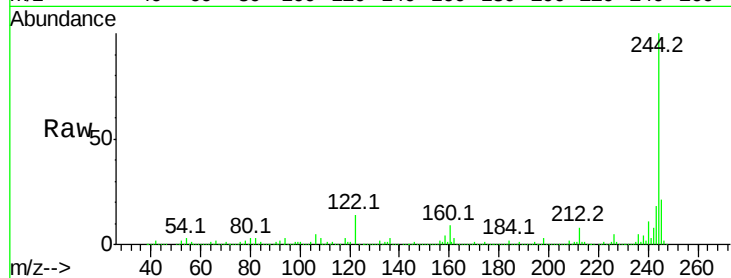
Tot Ion:244 Resp: 1302295

Ion Ratio Lower Upper

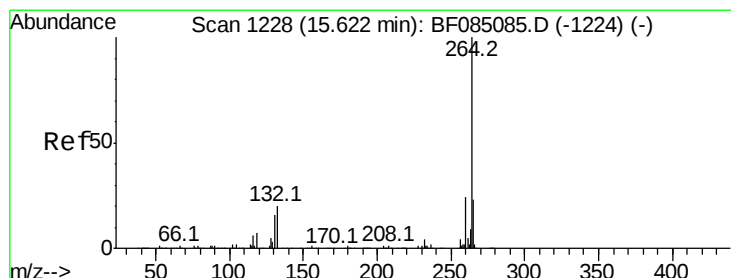
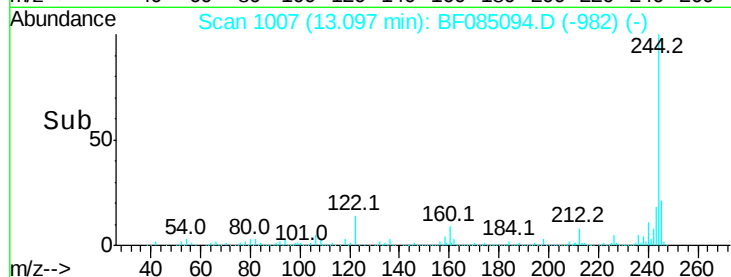
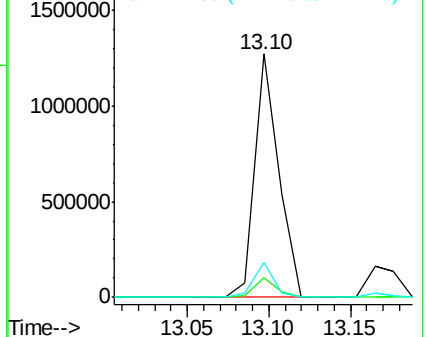
244 100

212 7.8 6.0 9.0

122 14.3 10.1 15.1



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# 1229

Delta R.T. 0.01 min

Lab File: BF085094.D

Acq: 17 Feb 2016 18:52

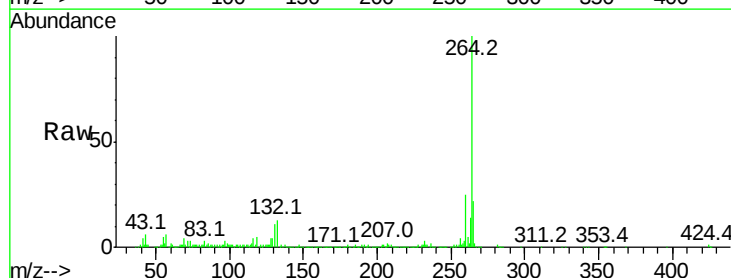
Tgt Ion:264 Resp: 477505

Ion Ratio Lower Upper

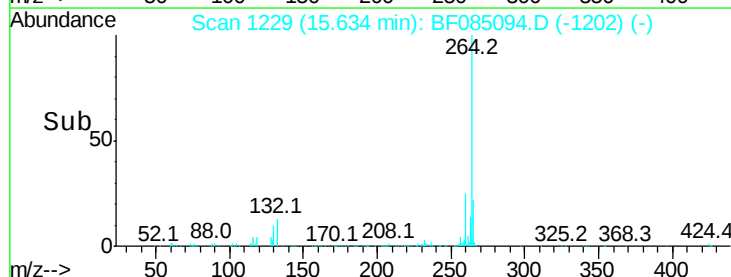
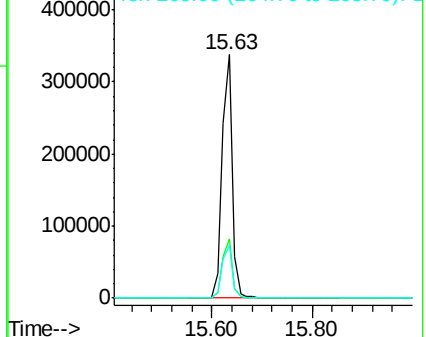
264 100

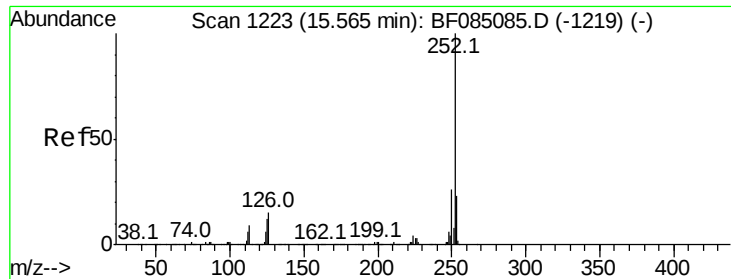
260 24.5 18.5 27.7

265 22.0 16.7 25.1



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





#89

Benzo(a)pyrene

Concen: 10.88 ng

RT: 15.66 min Scan# 1231

Delta R.T. 0.09 min

Lab File: BF085094.D

Acq: 17 Feb 2016 18:52

Instrument :

BNA_F

ClientSampleId :

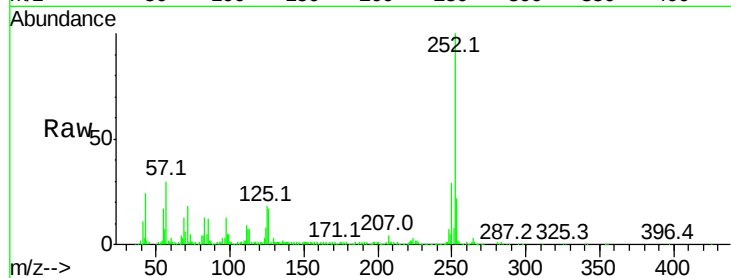
Tot Ion: 252 Resp: 281427

Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 18.2 6.1 9.1#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

