

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021216\
 Data File : BF085034.D
 Acq On : 12 Feb 2016 1:53
 Operator : SJ/IZ
 Sample : H1403-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-26

Quant Time: Feb 12 04:17:31 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	6.60	152	147474	20.00	ng	-0.02
21) Naphthalene-d8	7.90	136	637716	20.00	ng	-0.02
38) Acenaphthene-d10	9.64	164	284767	20.00	ng	-0.02
63) Phenanthrene-d10	11.12	188	468616	20.00	ng	-0.02
75) Chrysene-d12	13.75	240	298702	20.00	ng	-0.02
86) Perylene-d12	15.11	264	274748	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	334716	35.35	ng	-0.01
7) Phenol-d6	6.26	99	259581	22.12	ng	-0.02
23) Nitrobenzene-d5	7.19	82	1048215	92.59	ng	-0.01
41) 2,4,6-Tribromophenol	10.43	330	234135	78.82	ng	-0.02
44) 2-Fluorobiphenyl	8.98	172	1772425	123.34	ng	-0.01
78) Terphenyl-d14	12.72	244	1297751	98.45	ng	-0.01

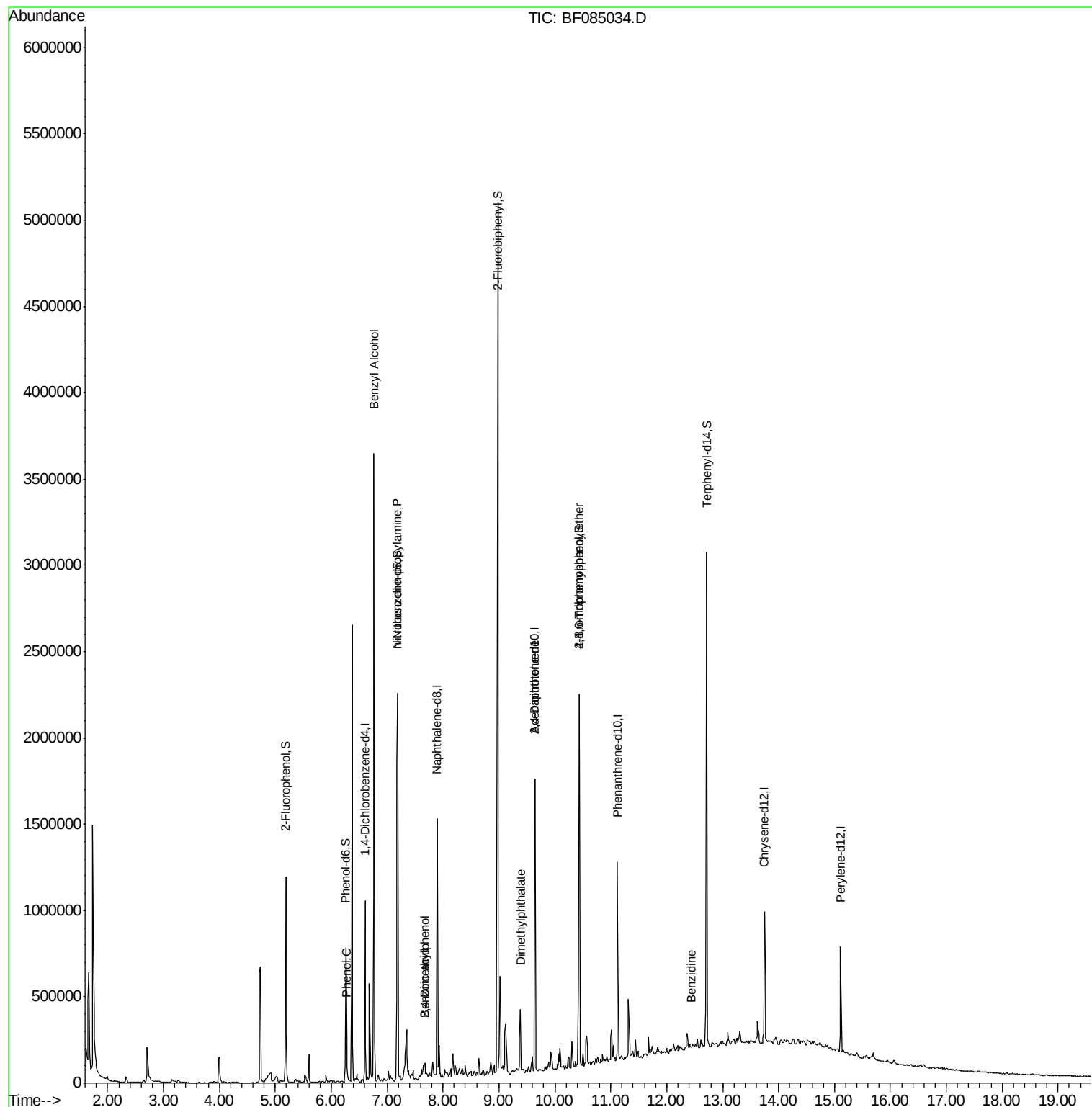
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.27	94	39707	3.02	ng	89
15) Benzyl Alcohol	6.76	79	18587	2.29	ng	# 46
19) n-Nitroso-di-n-propylamine	7.19	70	143121	19.45	ng	# 78
27) 2,4-Dimethylphenol	7.68	122	35422	3.41	ng	# 1
32) Benzoic acid	7.68	122	35422	5.33	ng	98
49) Dimethylphthalate	9.38	163	175264	8.08	ng	# 90
56) 2,4-Dinitrotoluene	9.64	165	36842	6.10	ng	# 22
66) 4-Bromophenyl-phenylether	10.43	248	15271	2.95	ng	# 1
76) Benzidine	12.43	184	467	6.92	ng	# 1

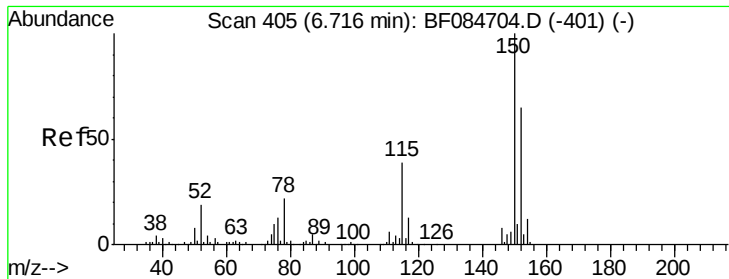
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 439

Delta R.T. -0.02 min

Lab File: BF085034.D

Acq: 12 Feb 2016 1:53

Instrument :

BNA_F

ClientSampleId :

TEC-26

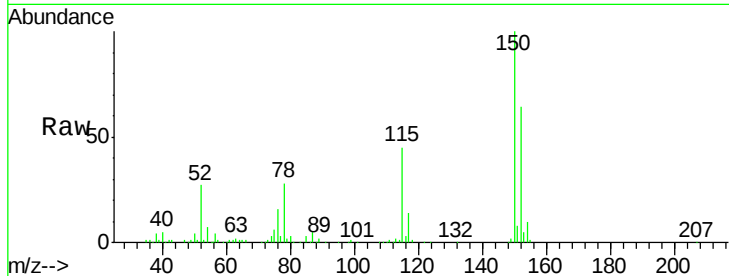
Tgt Ion:152 Resp: 147474

Ion Ratio Lower Upper

152 100

150 155.2 123.0 184.4

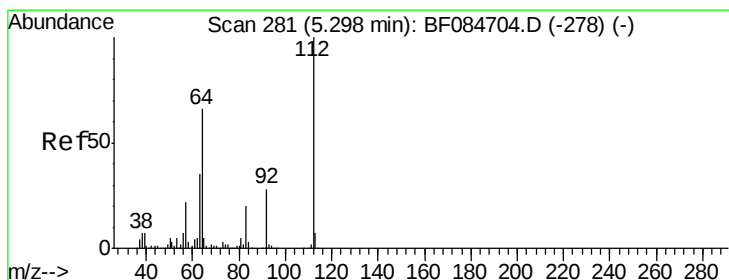
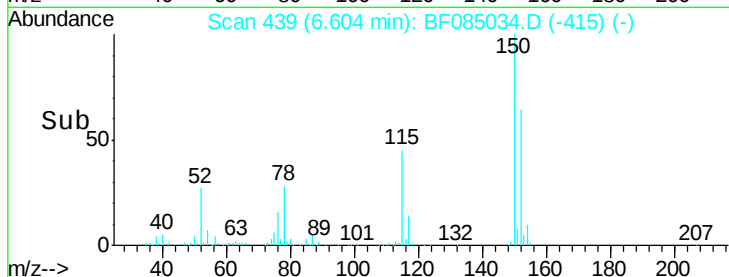
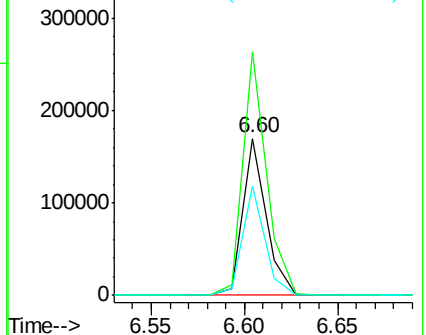
115 69.7 51.4 77.2



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: 35.35 ng

RT: 5.19 min Scan# 315

Delta R.T. -0.01 min

Lab File: BF085034.D

Acq: 12 Feb 2016 1:53

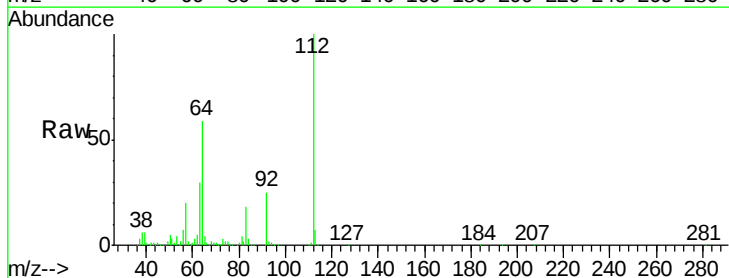
Tgt Ion:112 Resp: 334716

Ion Ratio Lower Upper

112 100

64 59.2 36.6 55.0#

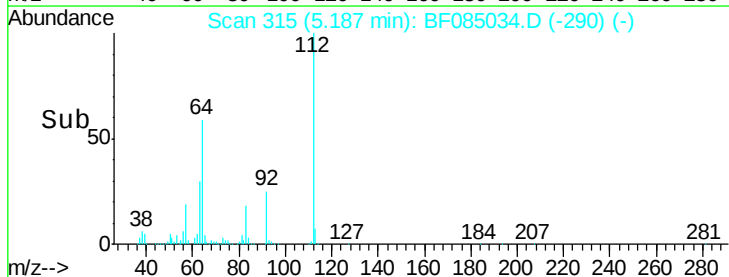
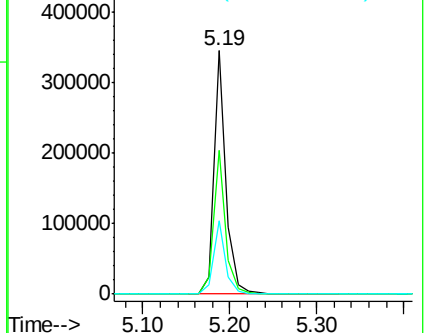
63 30.0 19.4 29.0#



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: 22.12 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.02 min

Lab File: BF085034.D

Acq: 12 Feb 2016 1:53

Instrument :

BNA_F

ClientSampleId :

TEC-26

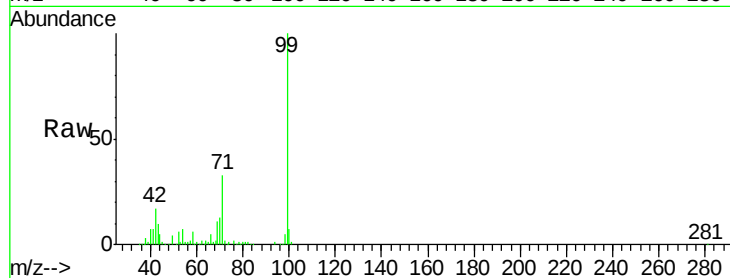
Tgt Ion: 99 Resp: 259581

Ion Ratio Lower Upper

99 100

42 17.3 12.8 19.2

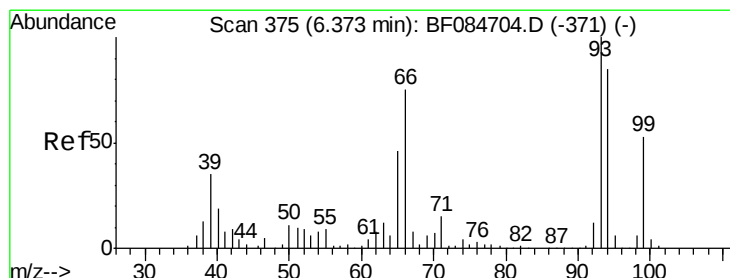
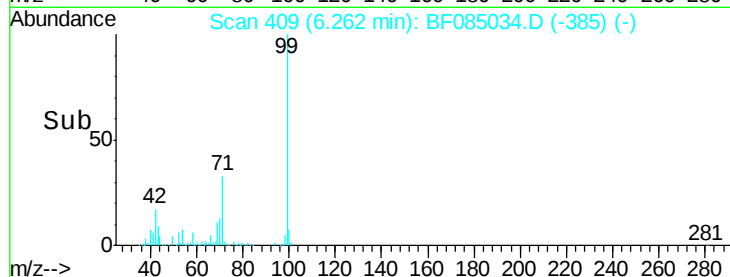
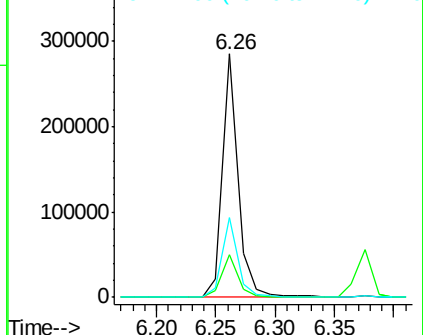
71 33.0 30.9 46.3



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



#10

Phenol

Concen: 3.02 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.02 min

Lab File: BF085034.D

Acq: 12 Feb 2016 1:53

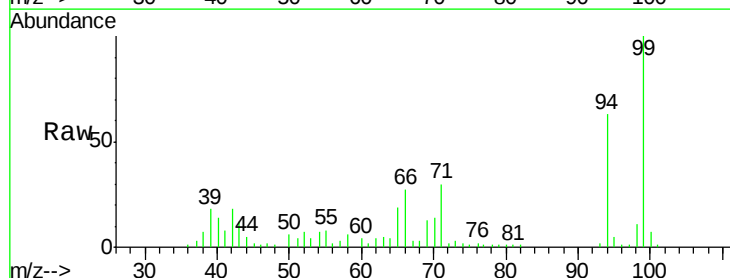
Tgt Ion: 94 Resp: 39707

Ion Ratio Lower Upper

94 100

65 29.5 12.9 52.9

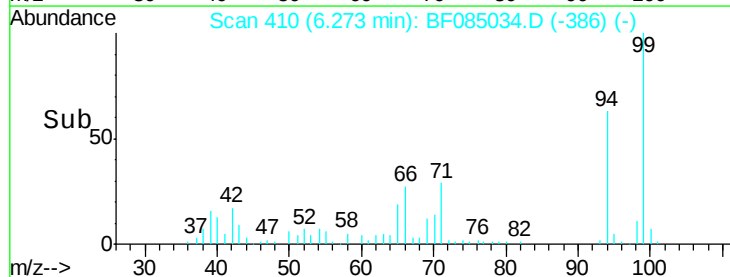
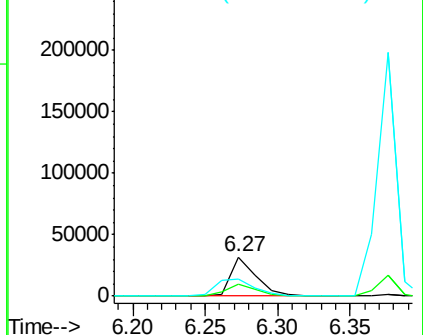
66 42.3 32.7 72.7

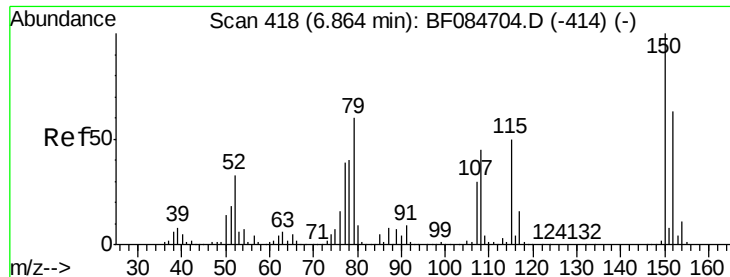


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.29 ng

RT: 6.76 min Scan# 453

Delta R.T. -0.02 min

Lab File: BF085034.D

Acq: 12 Feb 2016 1:53

Instrument :

BNA_F

ClientSampled :

TEC-26

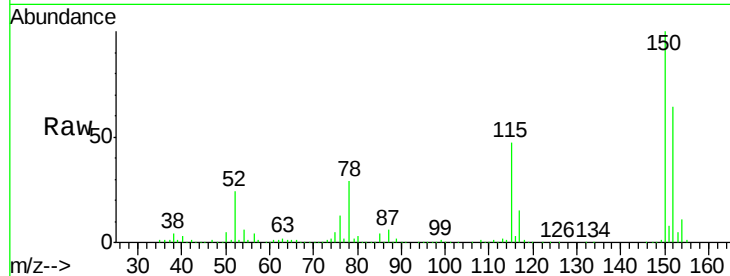
Tgt Ion: 79 Resp: 18587

Ion Ratio Lower Upper

79 100

108 27.4 69.0 103.4#

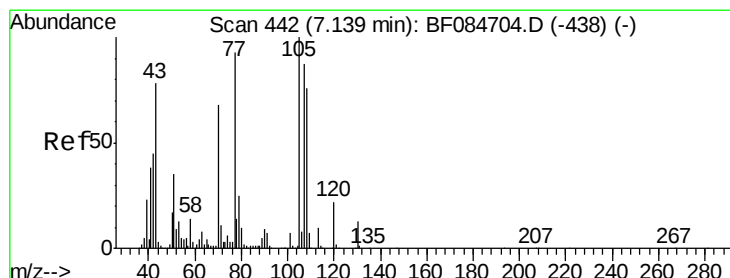
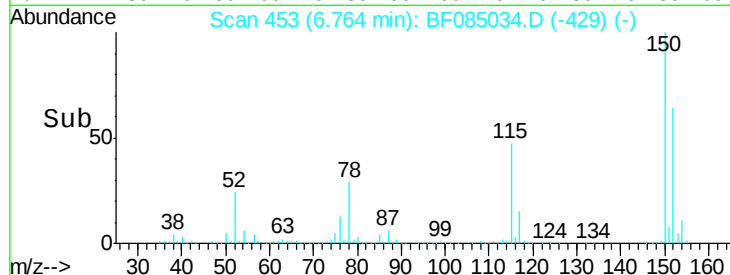
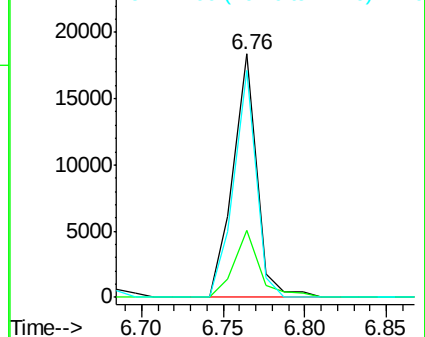
77 93.4 50.0 75.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 19.45 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.13 min

Lab File: BF085034.D

Acq: 12 Feb 2016 1:53

Tgt Ion: 70 Resp: 143121

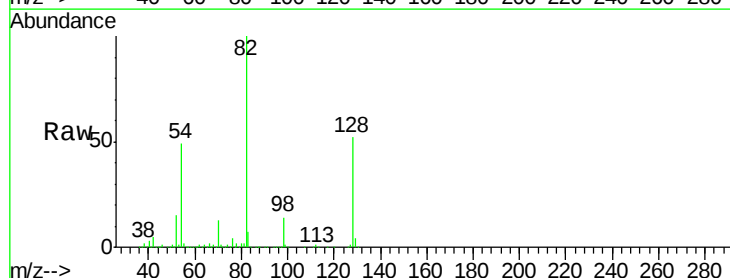
Ion Ratio Lower Upper

70 100

42 41.2 33.3 49.9

101 0.0 9.3 13.9#

130 2.7 23.4 35.0#

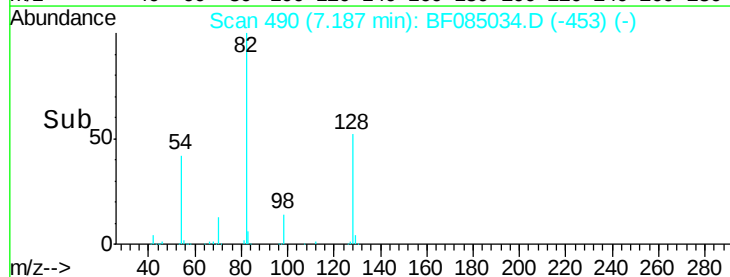
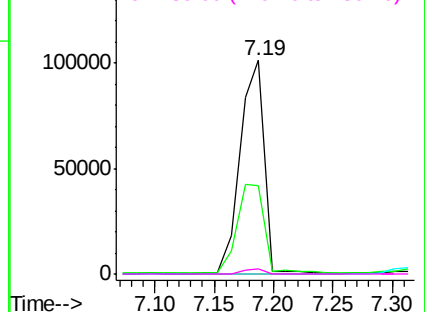


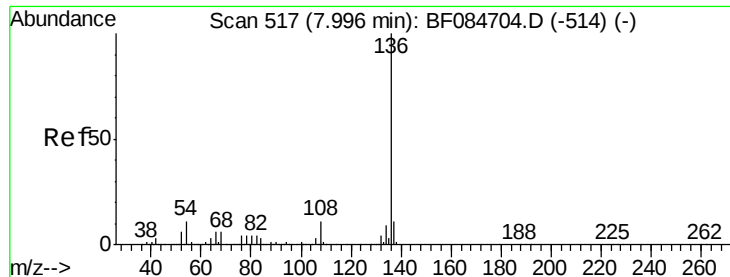
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

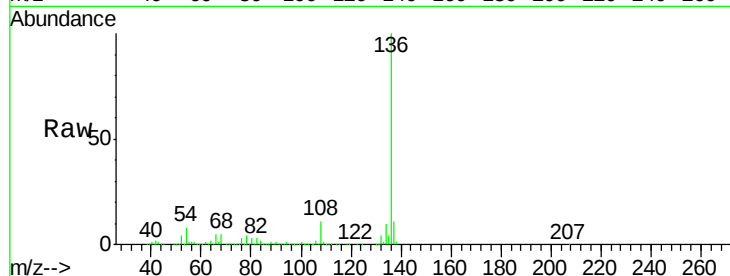




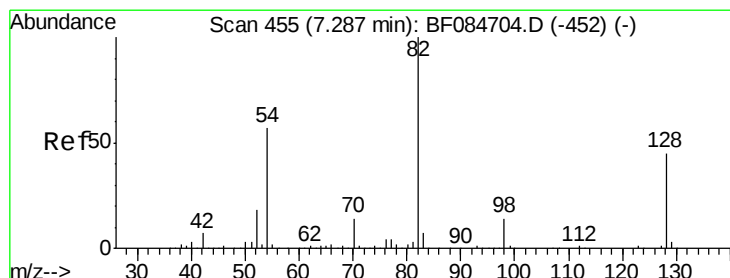
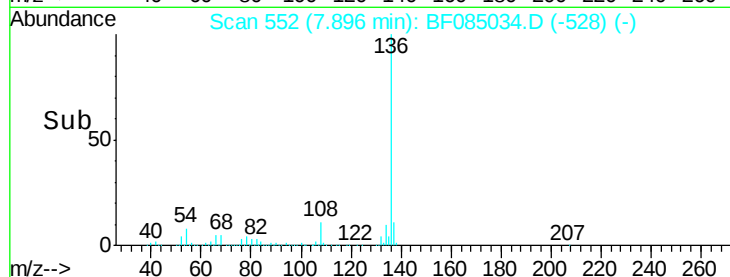
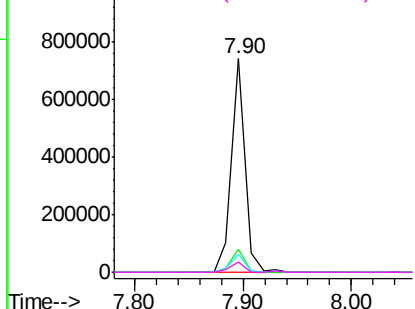
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF085034.D
Acq: 12 Feb 2016 1:53

Instrument :
BNA_F
ClientSampleId :
TEC-26

Tgt Ion:	136	Resp:	637716
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	8.4	5.8	8.8
68	4.9	4.2	6.2

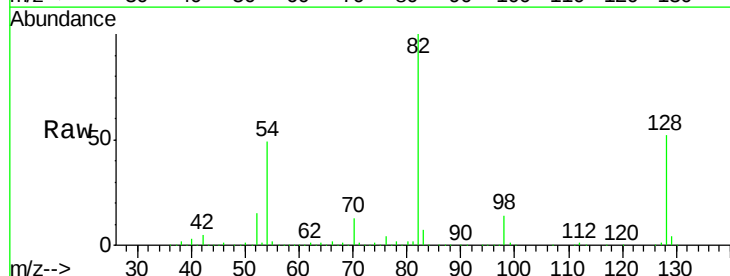


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

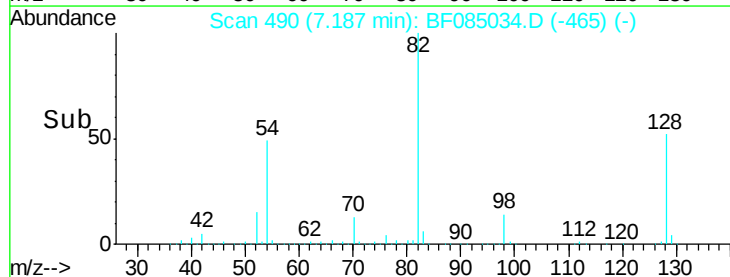
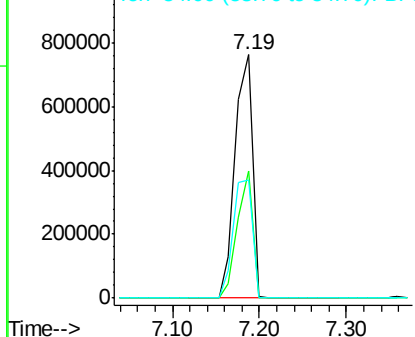


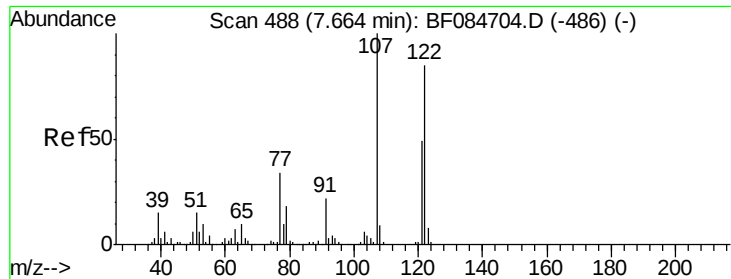
#23
Nitrobenzene-d5
Concen: 92.59 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.01 min
Lab File: BF085034.D
Acq: 12 Feb 2016 1:53

Tgt Ion:	82	Resp:	1048215
Ion	Ratio	Lower	Upper
82	100		
128	52.1	34.6	51.8#
54	48.6	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





#27

2,4-Dimethylphenol

Concen: 3.41 ng

RT: 7.68 min Scan# 533

Delta R.T. 0.09 min

Lab File: BF085034.D

Acq: 12 Feb 2016 1:53

Instrument :

BNA_F

ClientSampleId :

TEC-26

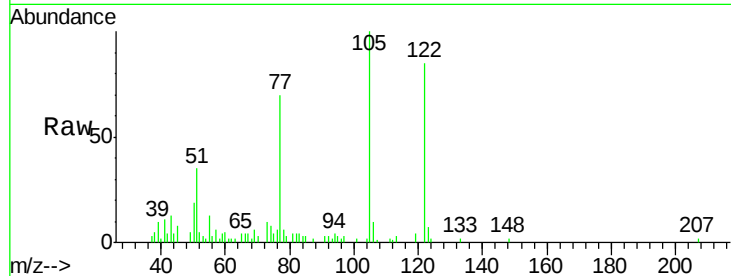
Tgt Ion:122 Resp: 35422

Ion Ratio Lower Upper

122 100

107 1.7 99.1 148.7#

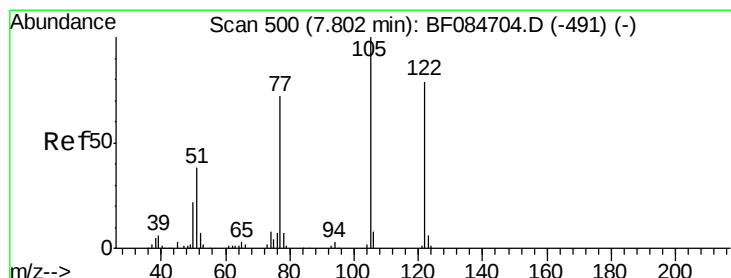
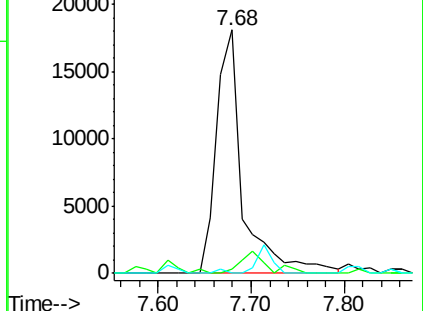
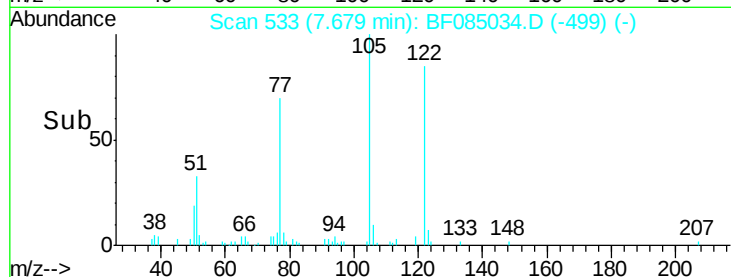
121 0.0 47.9 71.9#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#32

Benzoic acid

Concen: 5.33 ng

RT: 7.68 min Scan# 533

Delta R.T. -0.07 min

Lab File: BF085034.D

Acq: 12 Feb 2016 1:53

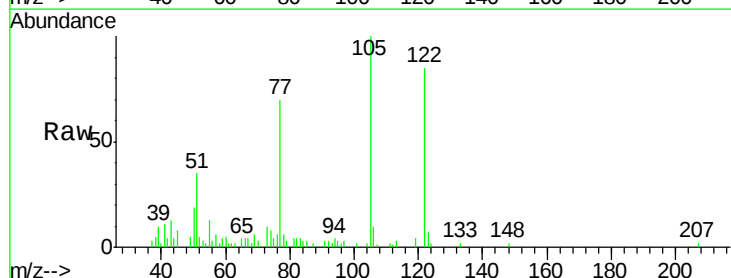
Tgt Ion:122 Resp: 35422

Ion Ratio Lower Upper

122 100

105 118.2 100.3 140.3

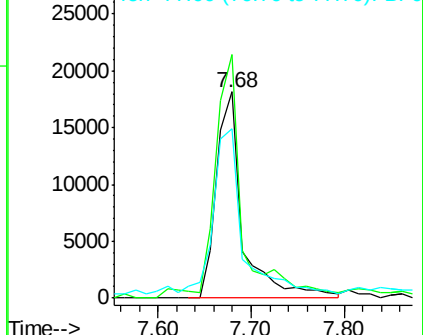
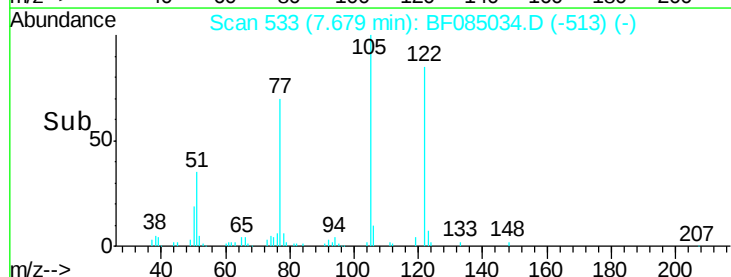
77 82.5 63.5 103.5

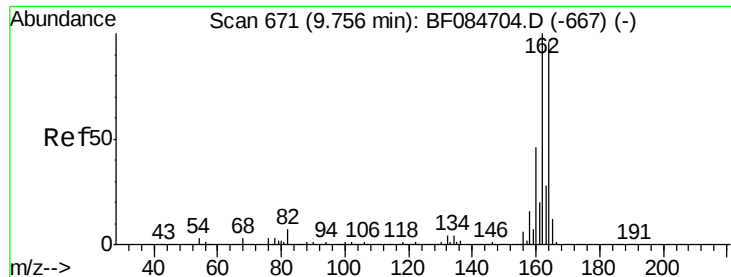


Abundance Ion 122.00 (121.70 to 122.70): E

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: 9.64 min Scan# 705

Delta R.T. -0.02 min

Lab File: BF085034.D

Acq: 12 Feb 2016 1:53

Instrument :

BNA_F

ClientSampleId :

TEC-26

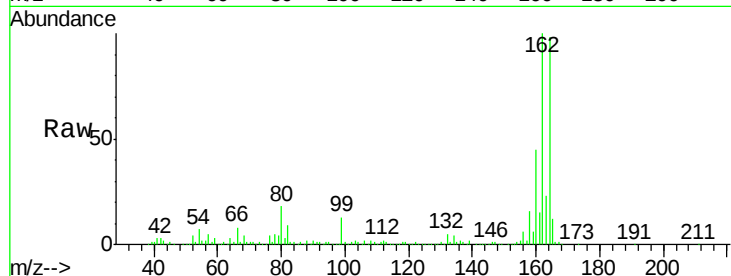
Tgt Ion:164 Resp: 284767

Ion Ratio Lower Upper

164 100

162 101.9 85.1 127.7

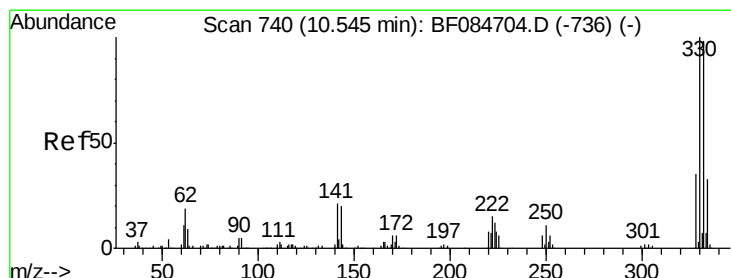
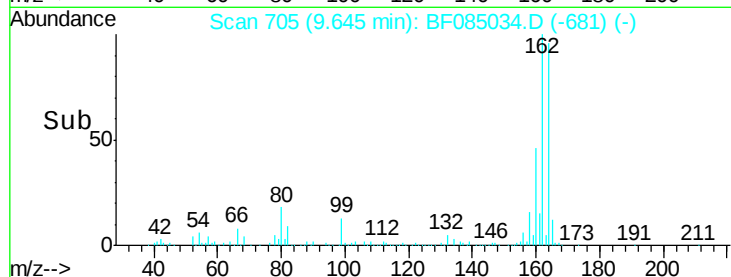
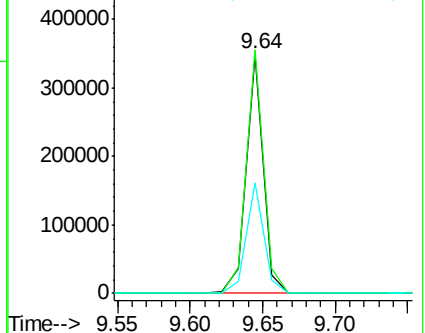
160 46.4 37.5 56.3



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: 78.82 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.02 min

Lab File: BF085034.D

Acq: 12 Feb 2016 1:53

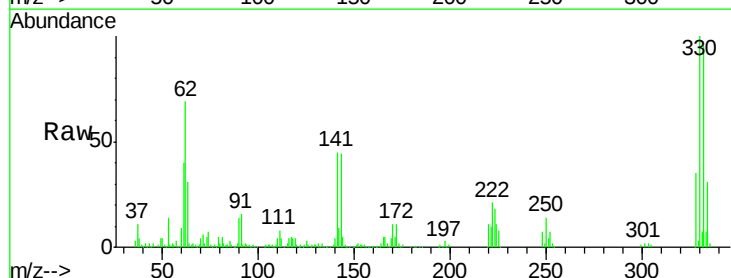
Tgt Ion:330 Resp: 234135

Ion Ratio Lower Upper

330 100

332 95.7 76.6 114.8

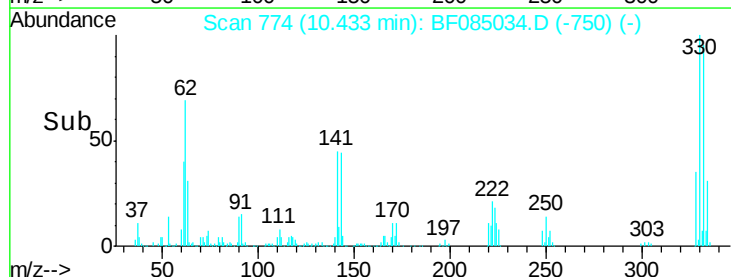
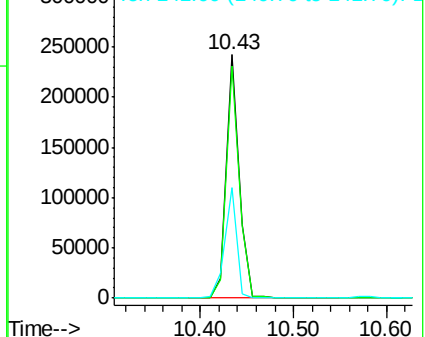
141 41.1 27.8 41.6

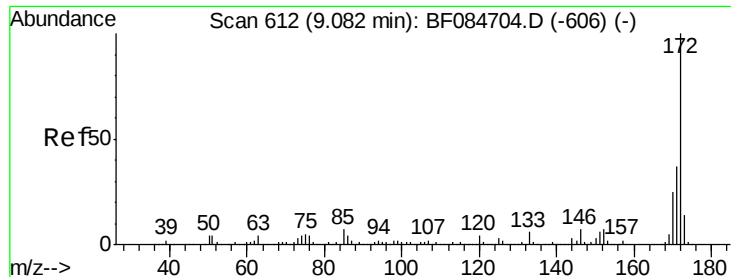


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

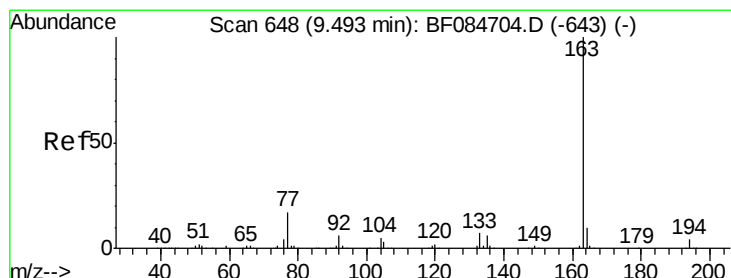
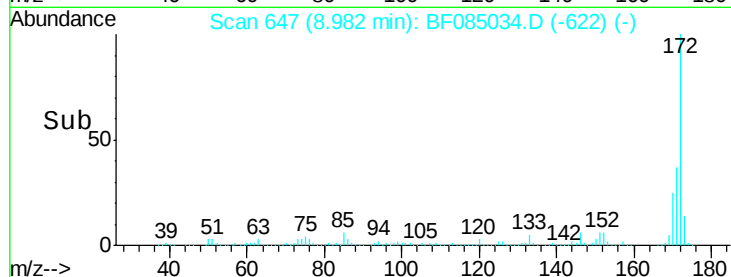
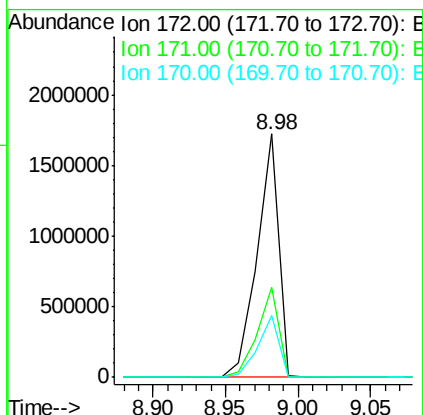
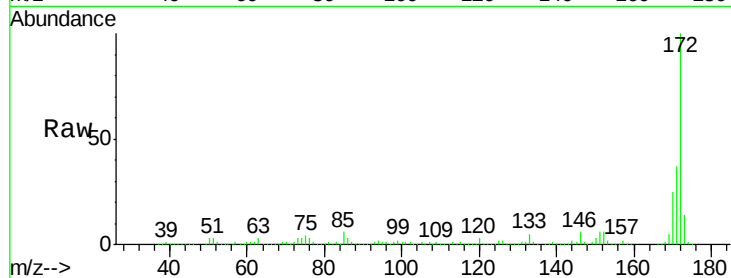




#44
2-Fluorobiphenyl
Concen: 123.34 ng
RT: 8.98 min Scan# 647
Delta R.T. -0.01 min
Lab File: BF085034.D
Acq: 12 Feb 2016 1:53

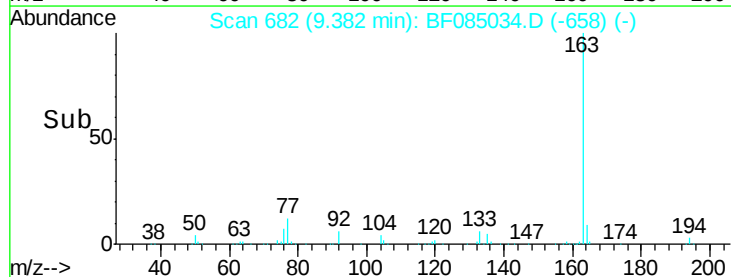
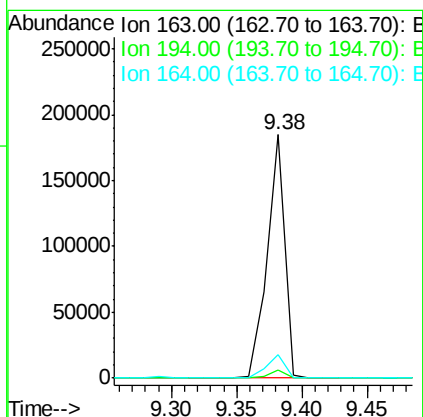
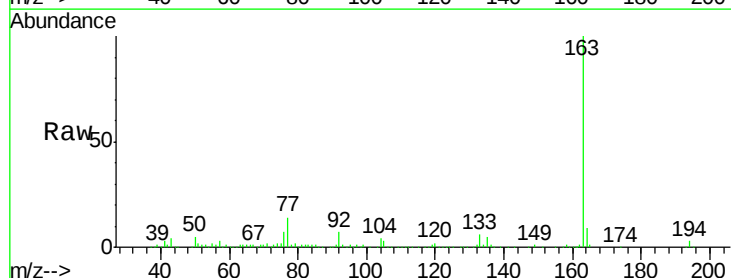
Instrument :
BNA_F
ClientSampleId :
TEC-26

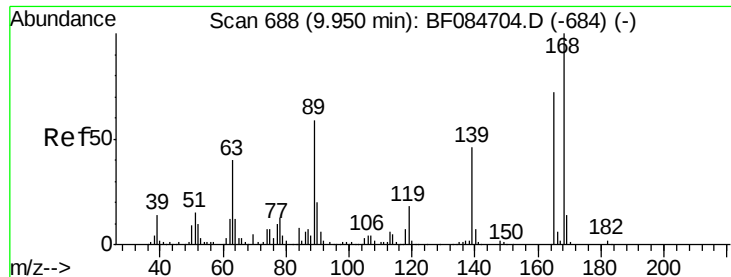
Tgt Ion:172 Resp: 1772425
Ion Ratio Lower Upper
172 100
171 37.1 28.9 43.3
170 25.4 18.6 27.8



#49
Dimethylphthalate
Concen: 8.08 ng
RT: 9.38 min Scan# 682
Delta R.T. -0.02 min
Lab File: BF085034.D
Acq: 12 Feb 2016 1:53

Tgt Ion:163 Resp: 175264
Ion Ratio Lower Upper
163 100
194 3.2 8.0 12.0#
164 9.4 8.0 12.0

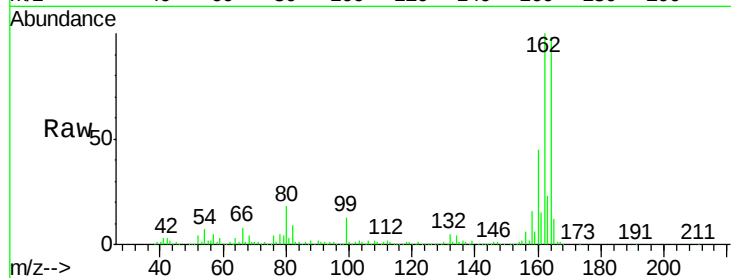




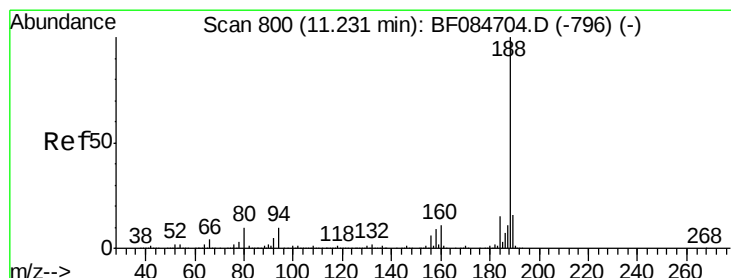
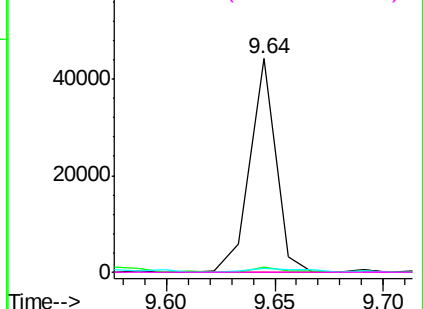
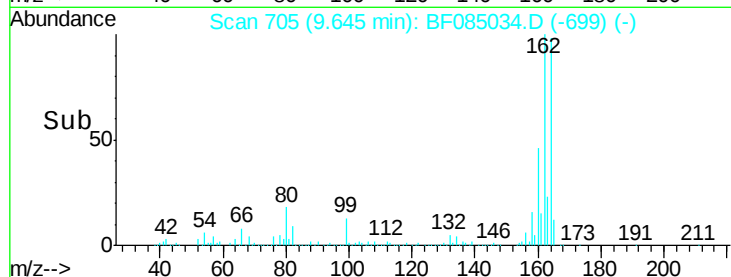
#56
 2,4-Dinitrotoluene
 Concen: 6.10 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.23 min
 Lab File: BF085034.D
 Acq: 12 Feb 2016 1:53

Instrument :
 BNA_F
 ClientSampleId :
 TEC-26

Tgt Ion:165 Resp: 36842
 Ion Ratio Lower Upper
 165 100
 63 2.1 36.7 55.1#
 89 1.9 61.9 92.9#
 182 0.0 2.0 3.0#

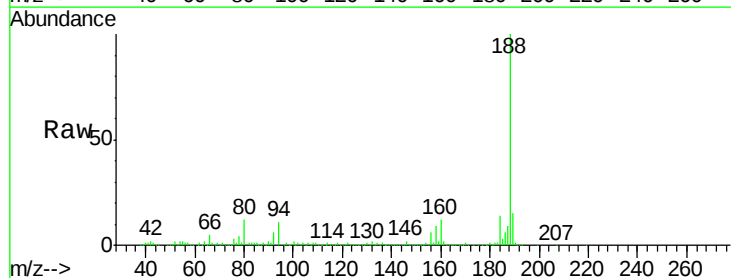


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

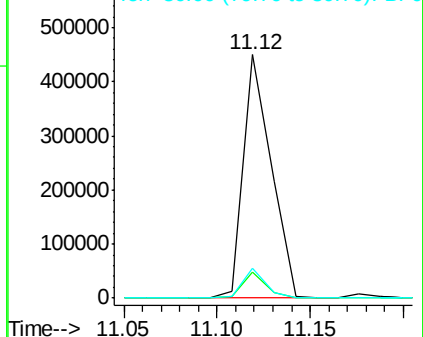
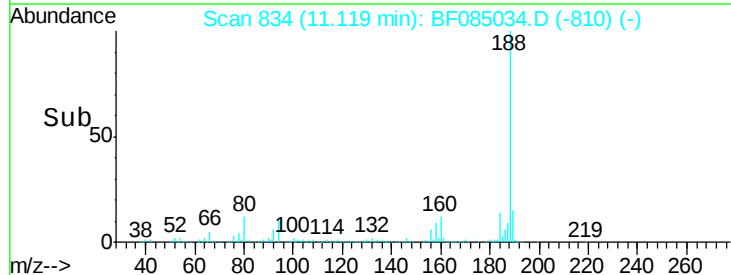


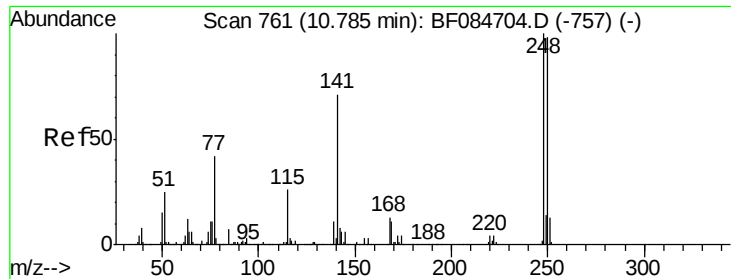
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.12 min Scan# 834
 Delta R.T. -0.02 min
 Lab File: BF085034.D
 Acq: 12 Feb 2016 1:53

Tgt Ion:188 Resp: 468616
 Ion Ratio Lower Upper
 188 100
 94 10.9 9.0 13.4
 80 12.1 9.6 14.4



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





#66

4-Bromophenyl-phenylether

Concen: 2.95 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.26 min

Lab File: BF085034.D

Acq: 12 Feb 2016 1:53

Instrument :

BNA_F

ClientSampled :

TEC-26

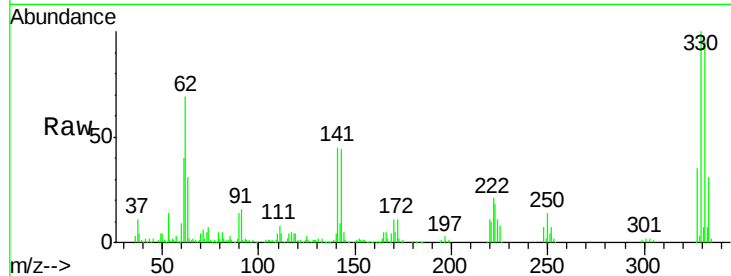
Tgt Ion:248 Resp: 15271

Ion Ratio Lower Upper

248 100

250 195.2 78.4 117.6#

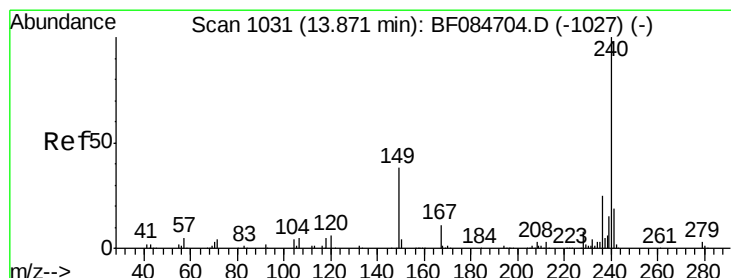
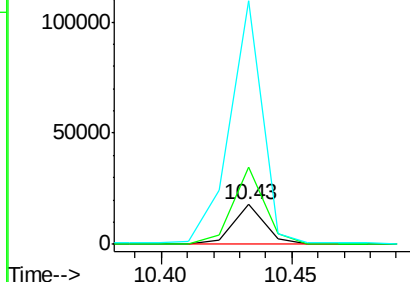
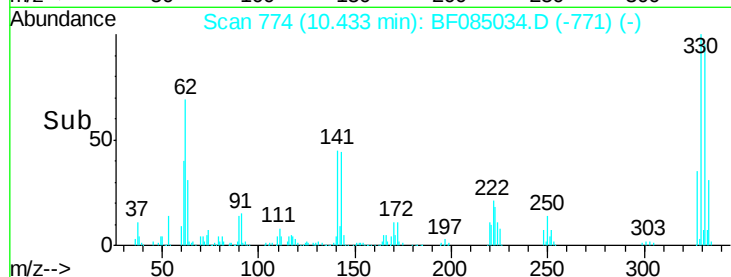
141 614.4 44.0 66.0#



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: 13.75 min Scan# 1064

Delta R.T. -0.02 min

Lab File: BF085034.D

Acq: 12 Feb 2016 1:53

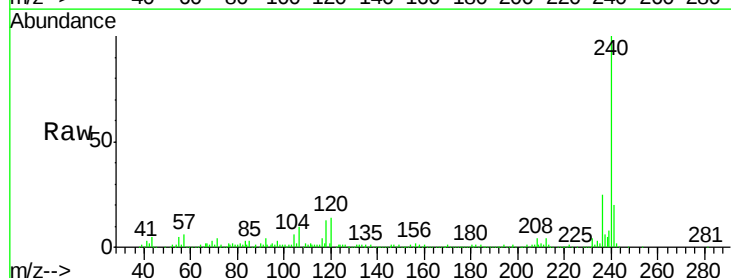
Tgt Ion:240 Resp: 298702

Ion Ratio Lower Upper

240 100

120 13.8 9.5 14.3

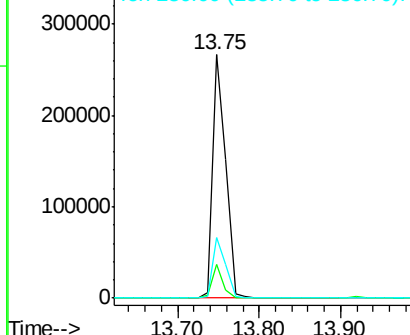
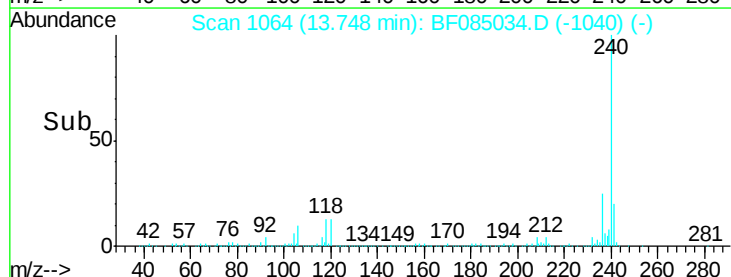
236 25.0 20.6 31.0

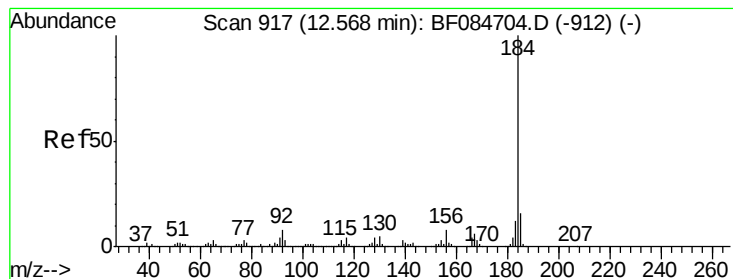


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 6.92 ng

RT: 12.43 min Scan# 949

Delta R.T. -0.05 min

Lab File: BF085034.D

Acq: 12 Feb 2016 1:53

Instrument :

BNA_F

ClientSampleId :

TEC-26

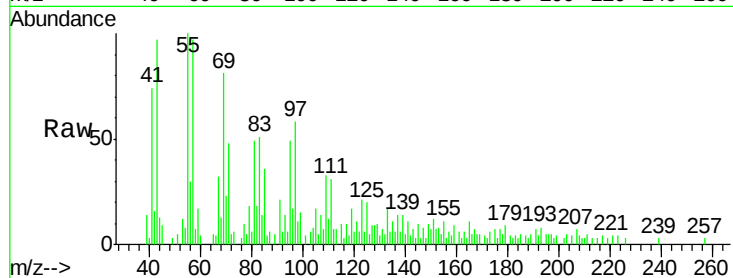
Tgt Ion:184 Resp: 467

Ion Ratio Lower Upper

184 100

185 138.9 12.2 18.2#

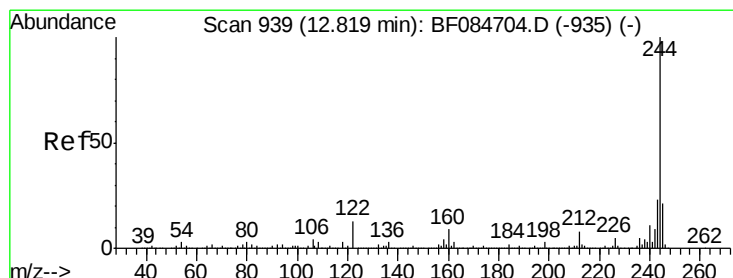
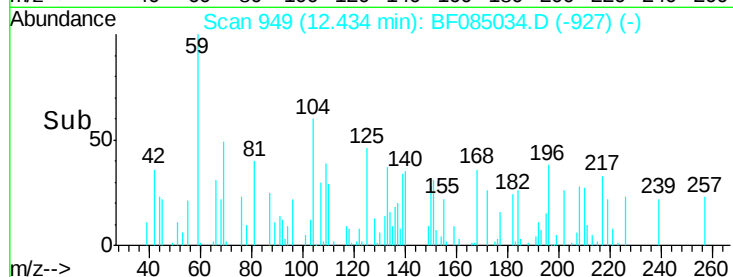
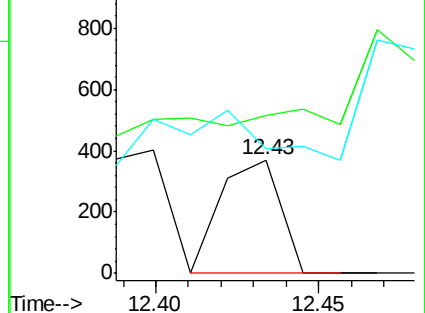
183 110.0 9.8 14.8#



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: 98.45 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.01 min

Lab File: BF085034.D

Acq: 12 Feb 2016 1:53

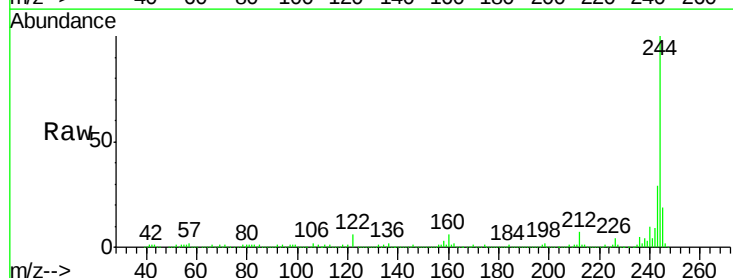
Tgt Ion:244 Resp: 1297751

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

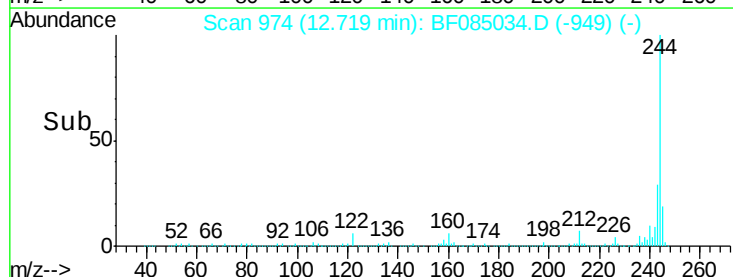
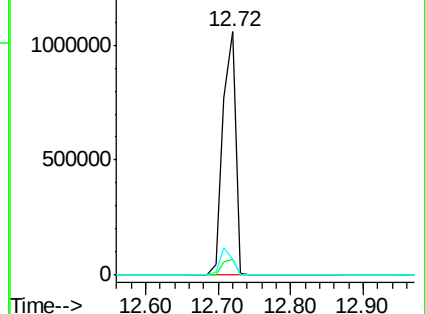
122 6.3 7.4 11.0#

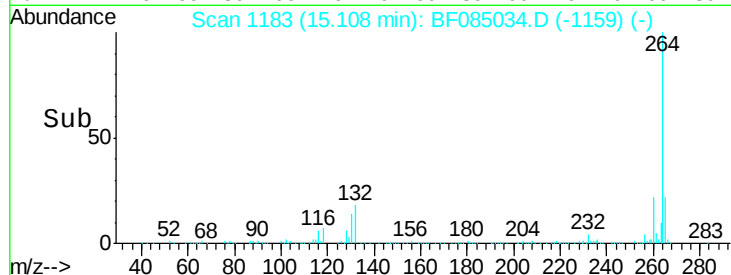
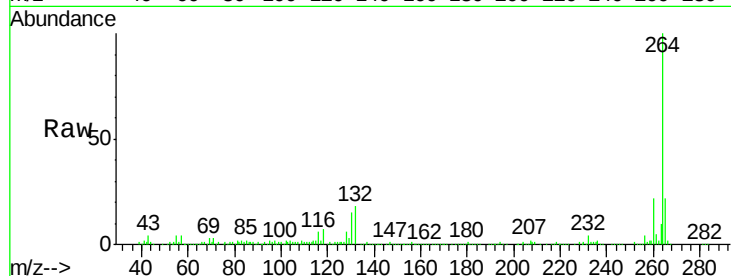
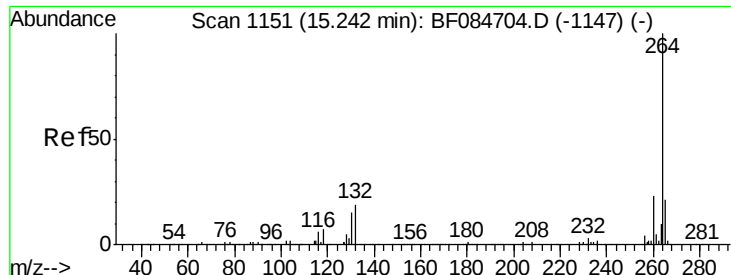


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.11 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF085034.D
Acq: 12 Feb 2016 1:53

Instrument :
BNA_F
ClientSampleId :
TEC-26

Tgt Ion:	264	Resp:	274748
Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.4	29.2
265	21.6	17.8	26.6

