

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
 Data File : BF084223.D
 Acq On : 1 Jan 2016 4:20
 Operator : UM/SJ
 Sample : G4981-06
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S8-0533

Quant Time: Jan 01 23:51:46 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 31 14:15:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	299720	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	1252018	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	528034	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	950262	20.00	ng	0.00
75) Chrysene-d12	14.07	240	607944	20.00	ng	0.00
86) Perylene-d12	15.51	264	562354	20.00	ng	0.00

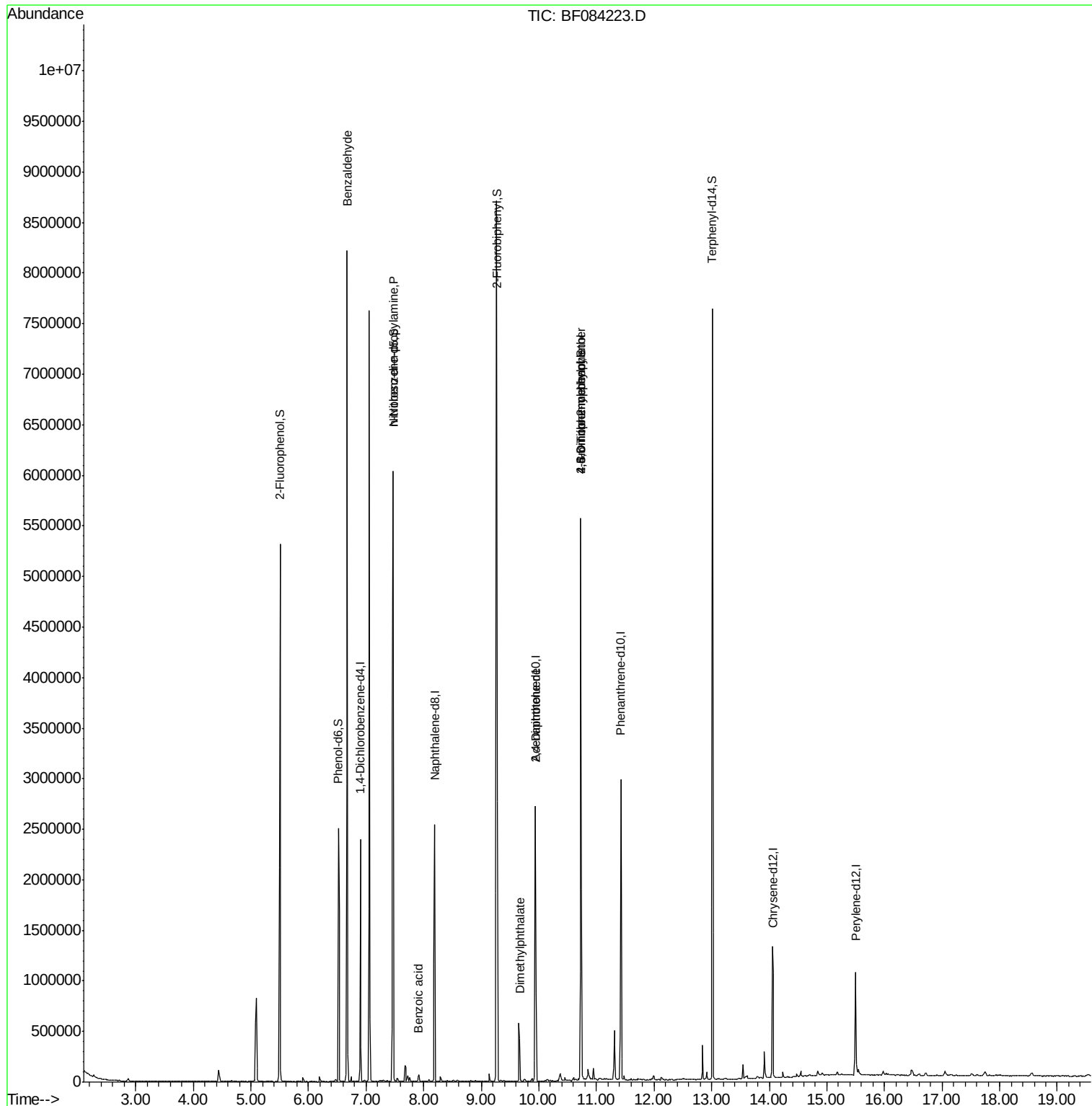
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1382332	74.60	ng	0.01
7) Phenol-d6	6.52	99	1048486	45.05	ng	-0.01
23) Nitrobenzene-d5	7.47	82	2207629	98.13	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	722995	135.62	ng	-0.01
44) 2-Fluorobiphenyl	9.26	172	2892635	97.28	ng	0.00
78) Terphenyl-d14	13.01	244	2283283	83.83	ng	0.00

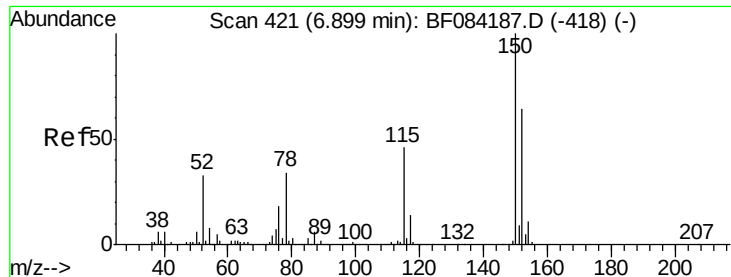
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.67	77	57623	3.80	ng	# 72
19) n-Nitroso-di-n-propylamine	7.47	70	319280	20.27	ng	# 72
32) Benzoic acid	7.90	122	264	6.27	ng	88
49) Dimethylphthalate	9.66	163	310488	8.22	ng	# 90
54) Dibenzofuran	10.14	168	894	Below Cal		# 45
56) 2,4-Dinitrotoluene	9.94	165	71750	6.85	ng	# 21
57) Fluorene	10.73	166	26903	Below Cal		# 89
64) 4,6-Dinitro-2-methylphenol	10.73	198	1770	6.65	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	44345	4.34	ng	# 1
73) Di-n-butylphthalate	12.00	149	19382	Below Cal		96

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

```
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Operator  : UM/SJ  
Sample    : G4981-06  
Misc      :  
ALS Vial  : 34    Sample Multiplier: 1
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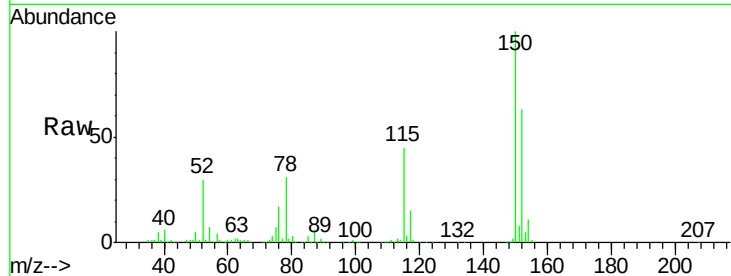


#1

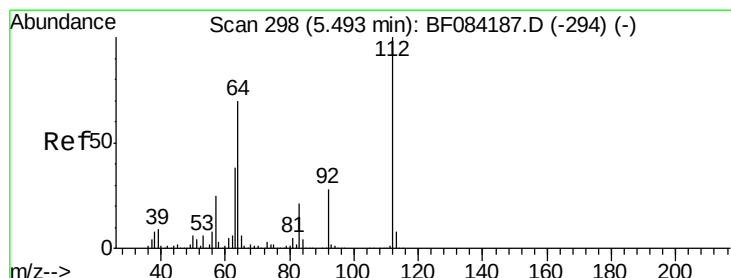
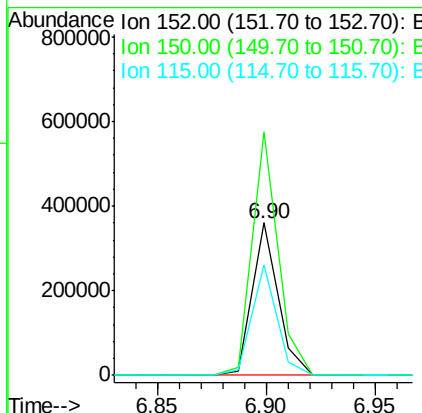
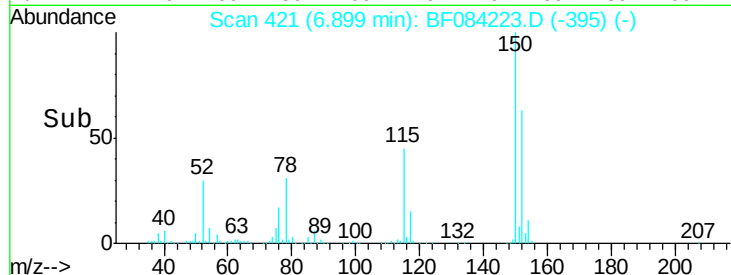
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. 0.00 min
Lab File: BF084223.D
Acq: 1 Jan 2016 4:20

Instrument :
BNA_F
ClientSampleId :
S8-0533

Tgt Ion:152 Resp: 299720
Ion Ratio Lower Upper
152 100
150 159.7 123.0 184.4
115 72.6 51.4 77.2



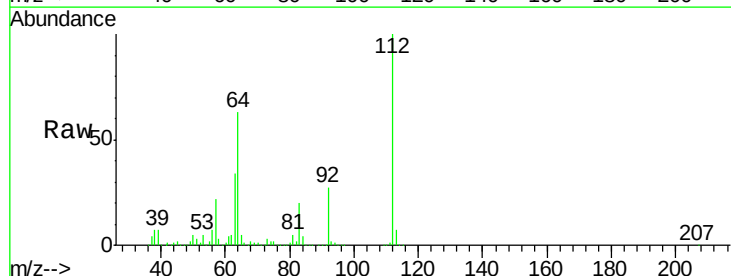
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



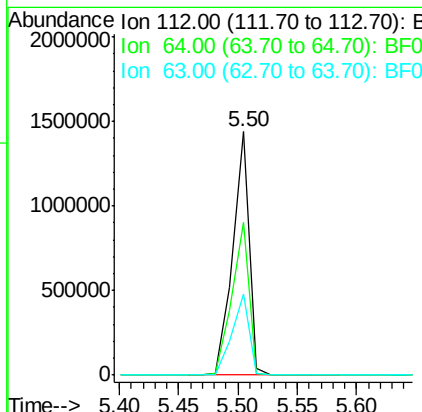
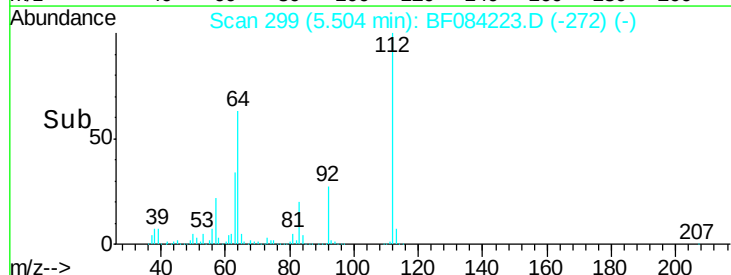
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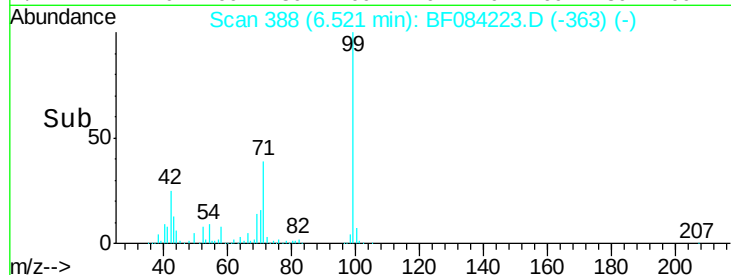
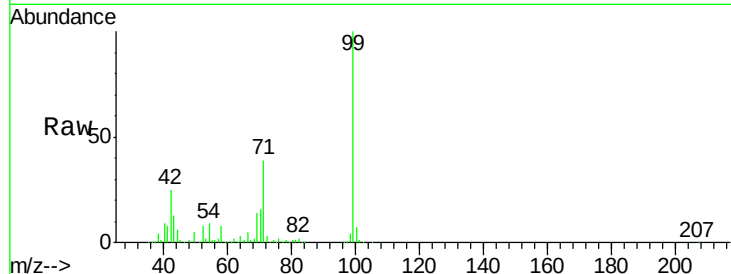
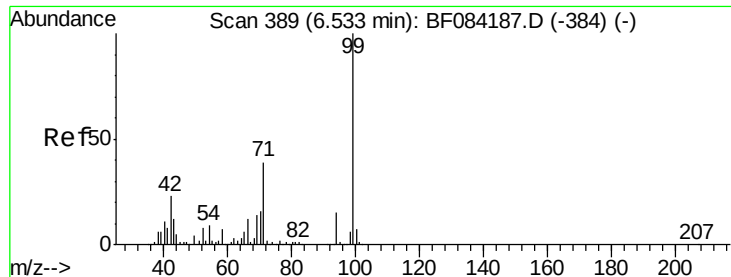
2-Fluorophenol
Concen: 74.60 ng
RT: 5.50 min Scan# 299
Delta R.T. 0.01 min
Lab File: BF084223.D
Acq: 1 Jan 2016 4:20

Tgt Ion:112 Resp: 1382332
Ion Ratio Lower Upper
112 100
64 63.0 36.6 55.0#
63 33.5 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: 45.05 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF084223.D

Acq: 1 Jan 2016 4:20

Instrument :

BNA_F

ClientSampleId :

S8-0533

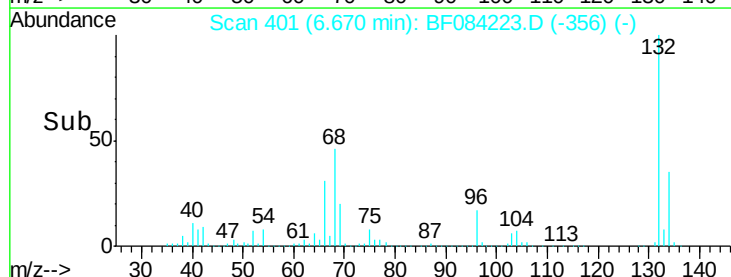
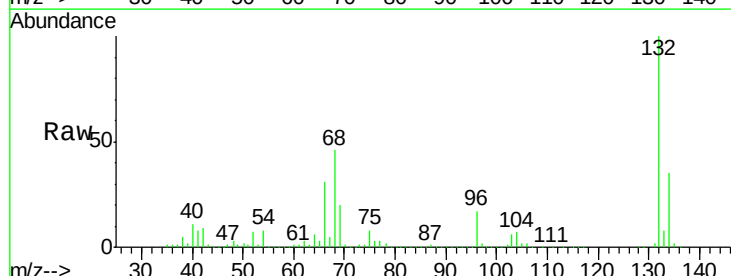
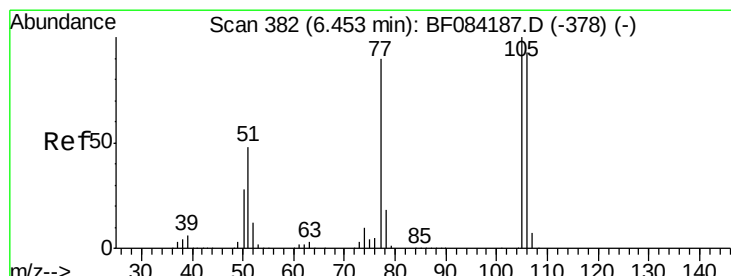
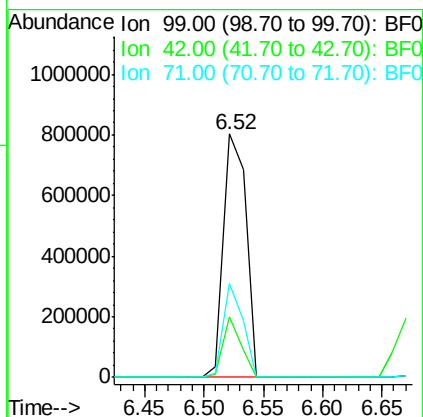
Tgt Ion: 99 Resp: 1048486

Ion Ratio Lower Upper

99 100

42 25.0 12.8 19.2#

71 38.8 30.9 46.3



#9

Benzaldehyde

Concen: 3.80 ng

RT: 6.67 min Scan# 401

Delta R.T. 0.22 min

Lab File: BF084223.D

Acq: 1 Jan 2016 4:20

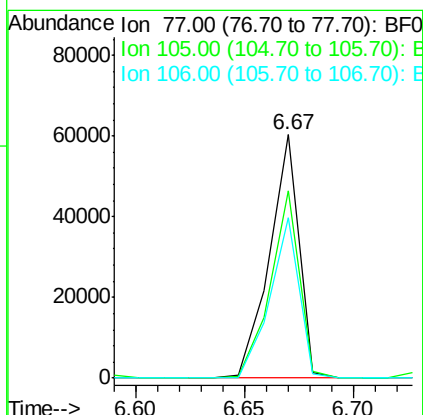
Tgt Ion: 77 Resp: 57623

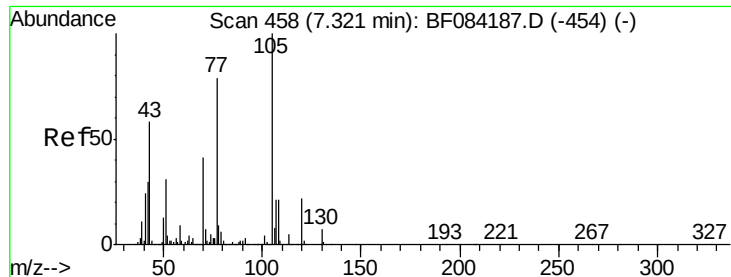
Ion Ratio Lower Upper

77 100

105 76.8 83.0 123.0#

106 66.0 74.6 114.6#

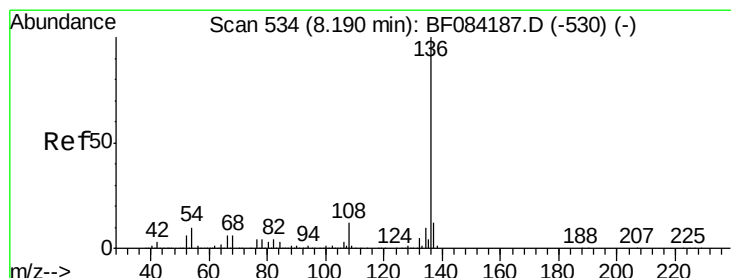
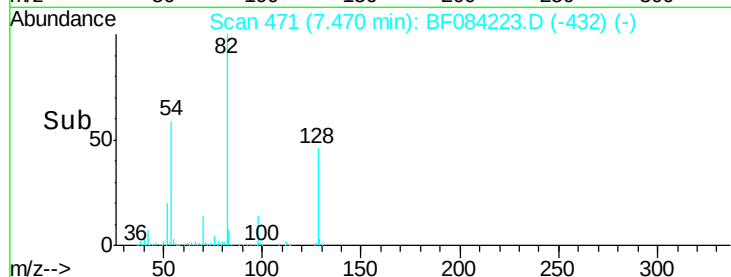
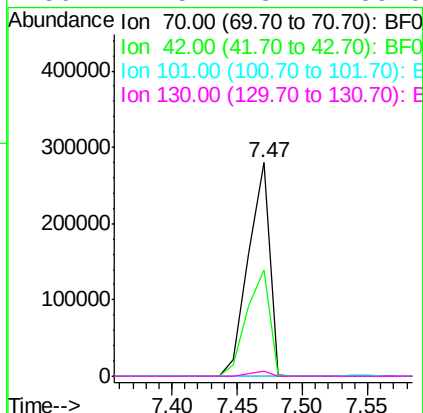
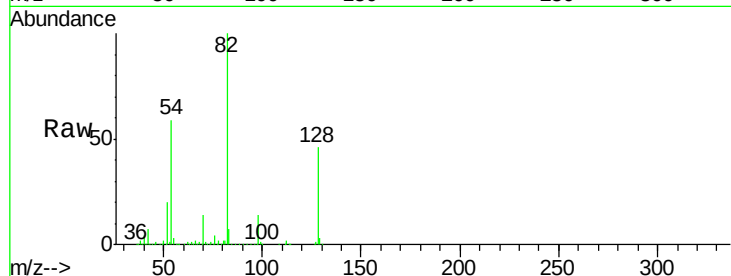




#19
n-Nitroso-di-n-propylamine
Concen: 20.27 ng
RT: 7.47 min Scan# 471
Delta R.T. 0.15 min
Lab File: BF084223.D
Acq: 1 Jan 2016 4:20

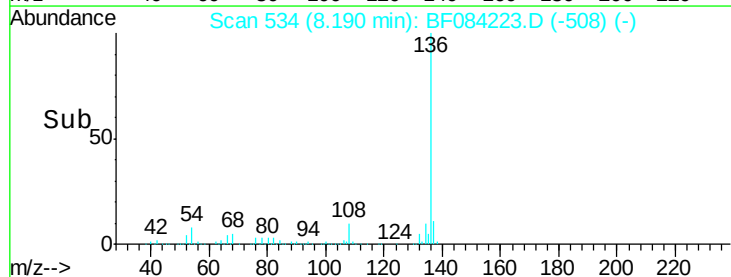
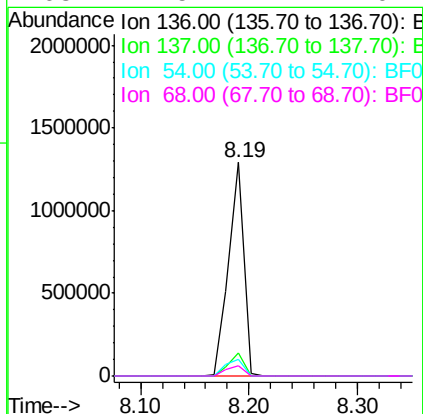
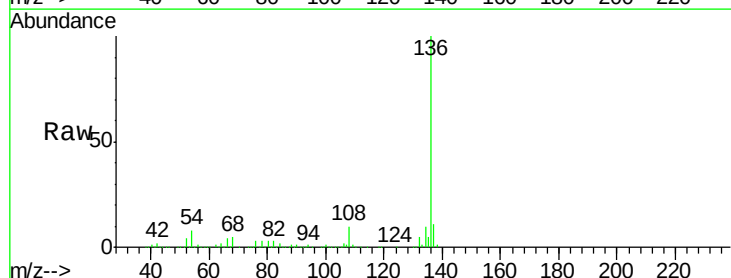
Instrument :
BNA_F
ClientSampleId :
S8-0533

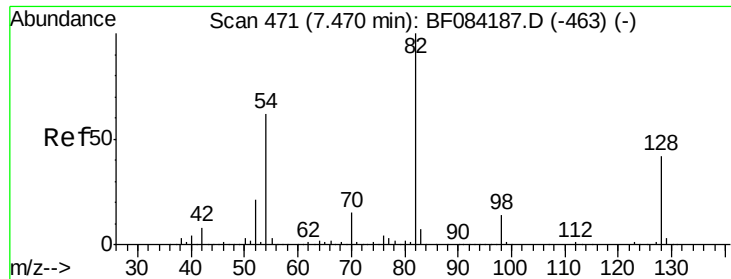
Tgt Ion: 70 Resp: 319280
Ion Ratio Lower Upper
70 100
42 49.7 33.3 49.9
101 0.0 9.3 13.9#
130 2.5 23.4 35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. 0.00 min
Lab File: BF084223.D
Acq: 1 Jan 2016 4:20

Tgt Ion: 136 Resp: 1252018
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.6 5.8 8.8
68 4.5 4.2 6.2

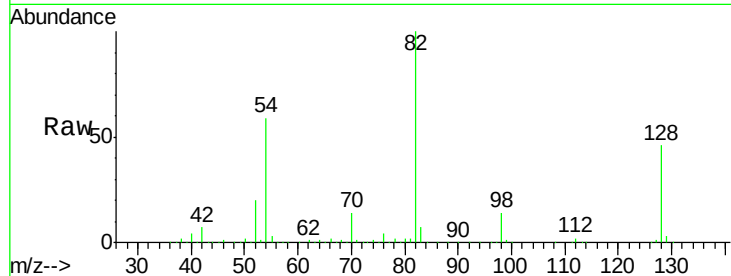




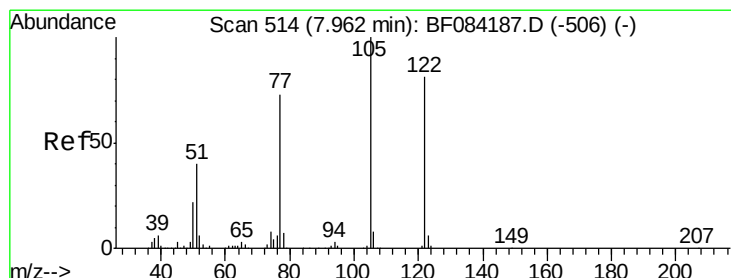
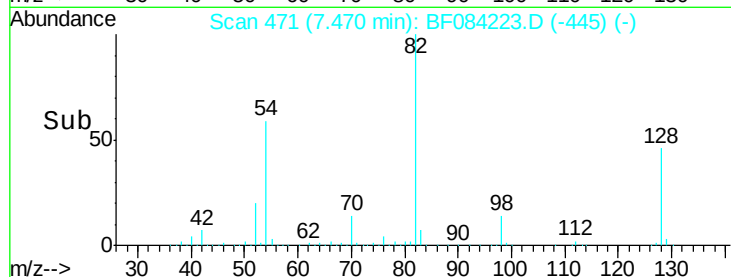
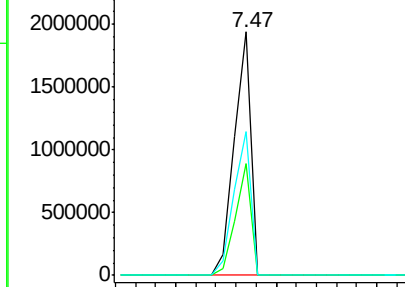
#23
 Nitrobenzene-d5
 Concen: 98.13 ng
 RT: 7.47 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: BF084223.D
 Acq: 1 Jan 2016 4:20

Instrument :
 BNA_F
 ClientSampleId :
 S8-0533

Tgt Ion: 82 Resp: 2207629
 Ion Ratio Lower Upper
 82 100
 128 45.9 34.6 51.8
 54 59.1 38.4 57.6#

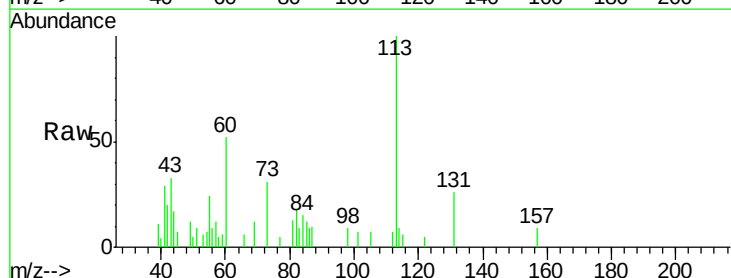


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

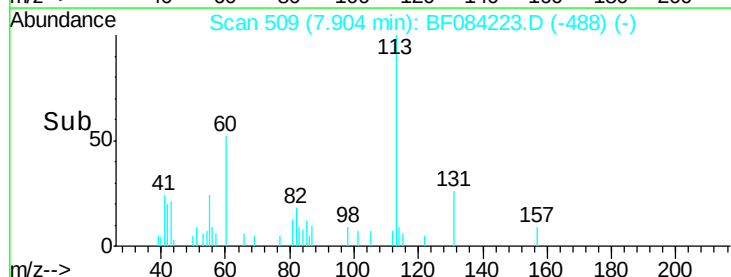
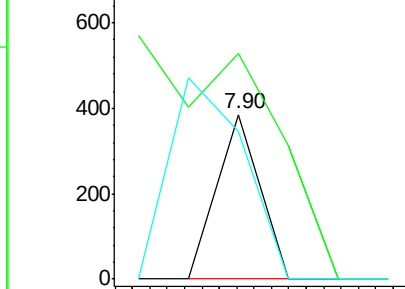


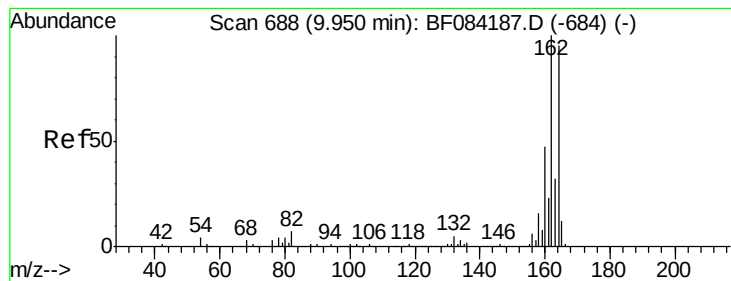
#32
 Benzoic acid
 Concen: 6.27 ng
 RT: 7.90 min Scan# 509
 Delta R.T. -0.06 min
 Lab File: BF084223.D
 Acq: 1 Jan 2016 4:20

Tgt Ion: 122 Resp: 264
 Ion Ratio Lower Upper
 122 100
 105 136.9 100.3 140.3
 77 89.6 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: 9.94 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF084223.D

Acq: 1 Jan 2016 4:20

Instrument :

BNA_F

ClientSampleId :

S8-0533

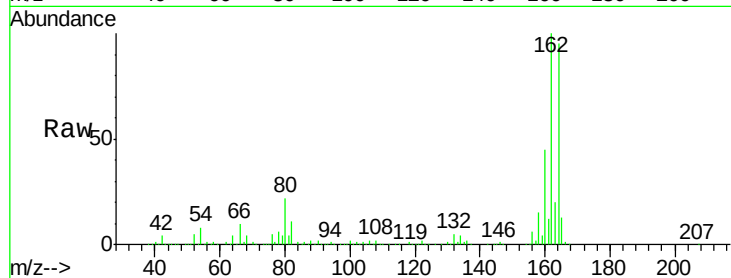
Tgt Ion:164 Resp: 528034

Ion Ratio Lower Upper

164 100

162 105.4 85.1 127.7

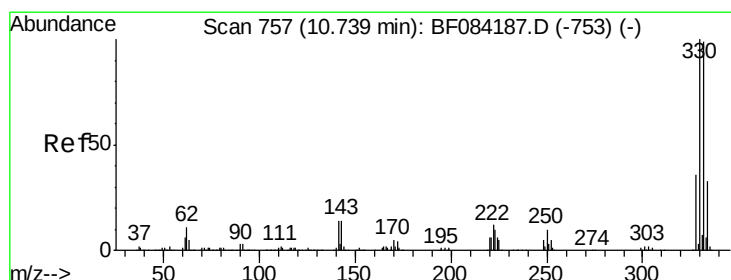
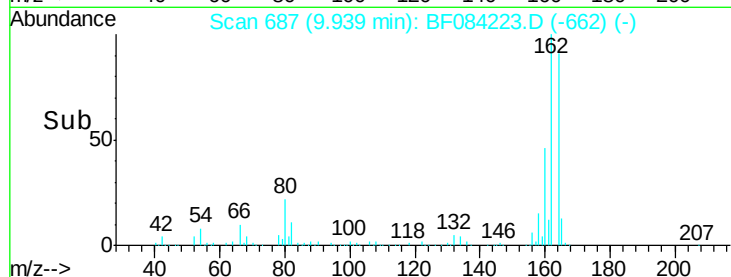
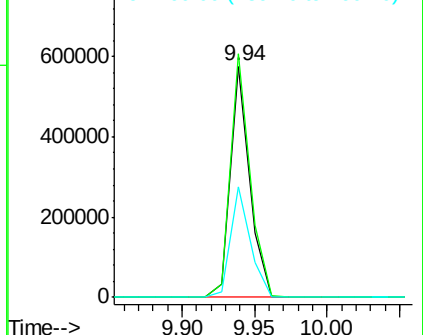
160 47.9 37.5 56.3



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: 135.62 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF084223.D

Acq: 1 Jan 2016 4:20

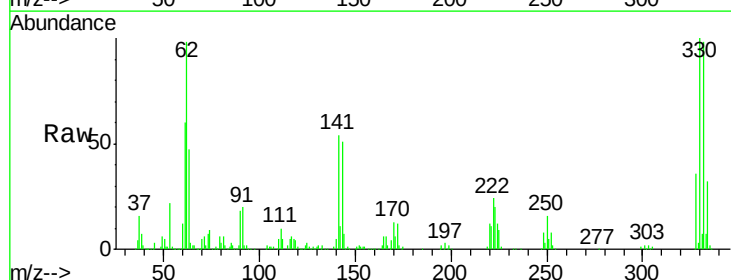
Tgt Ion:330 Resp: 722995

Ion Ratio Lower Upper

330 100

332 98.0 76.6 114.8

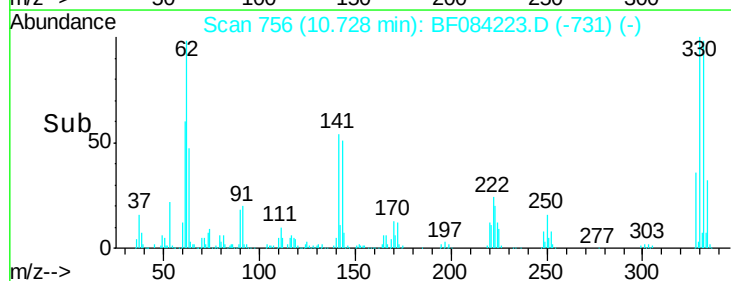
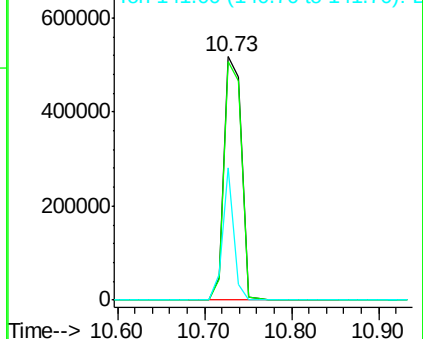
141 35.7 27.8 41.6

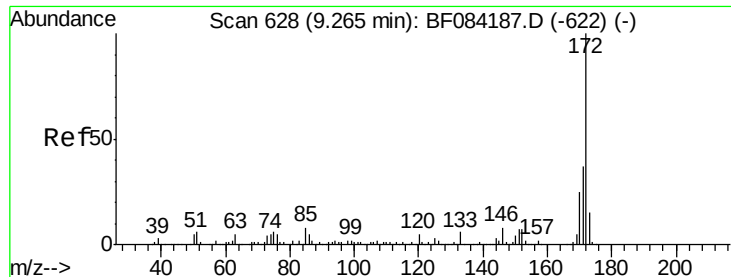


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

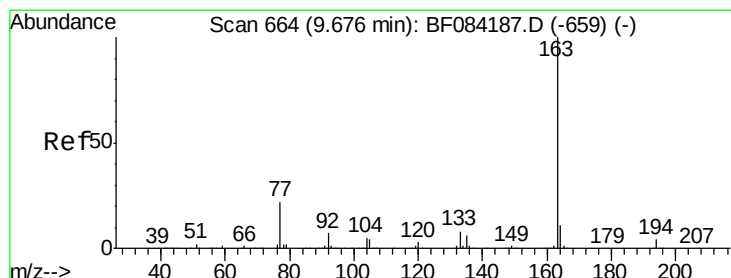
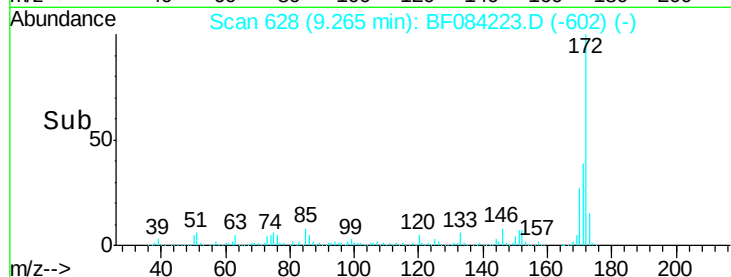
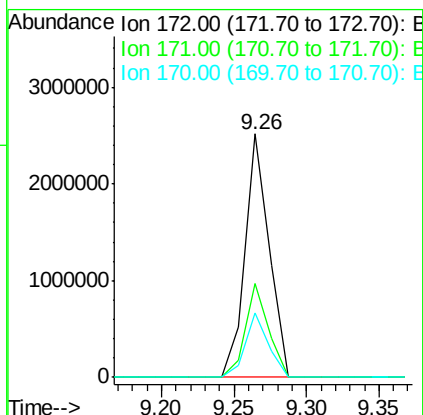
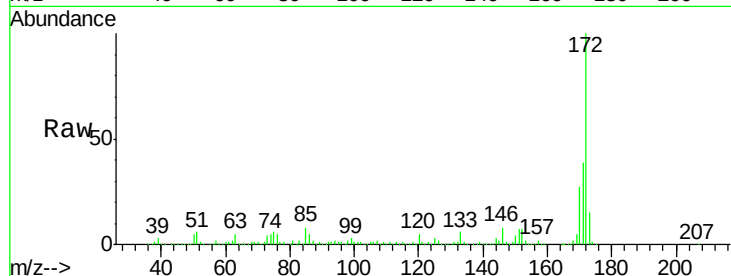




#44
 2-Fluorobiphenyl
 Concen: 97.28 ng
 RT: 9.26 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF084223.D
 Acq: 1 Jan 2016 4:20

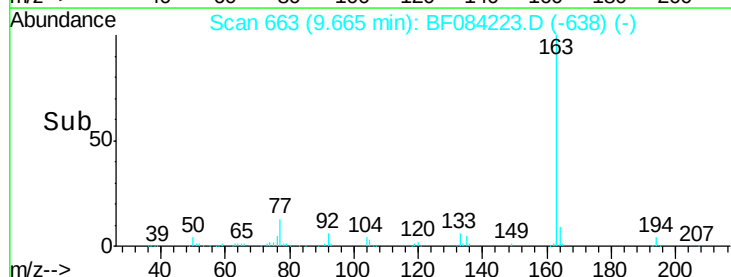
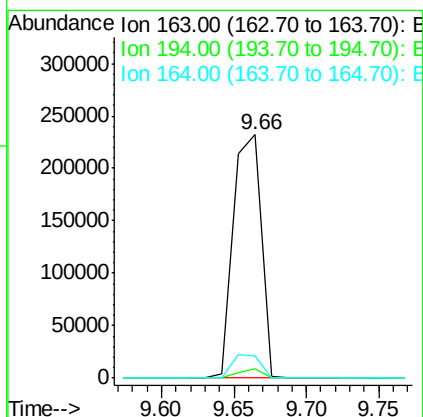
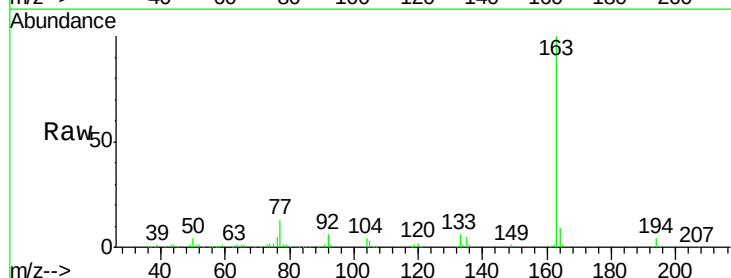
Instrument :
 BNA_F
 ClientSampleId :
 S8-0533

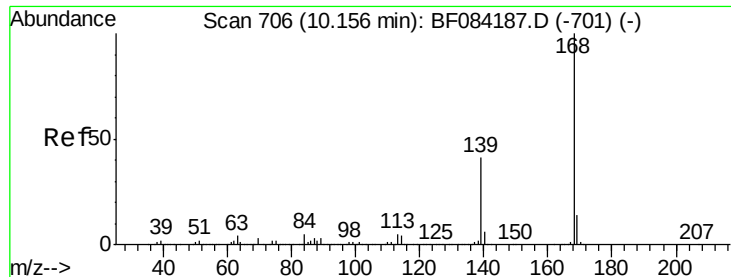
Tgt Ion:172 Resp: 2892635
 Ion Ratio Lower Upper
 172 100
 171 38.8 28.9 43.3
 170 26.6 18.6 27.8



#49
 Dimethylphthalate
 Concen: 8.22 ng
 RT: 9.66 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: BF084223.D
 Acq: 1 Jan 2016 4:20

Tgt Ion:163 Resp: 310488
 Ion Ratio Lower Upper
 163 100
 194 4.0 8.0 12.0#
 164 8.9 8.0 12.0





#54

Dibenzofuran

Concen: Below Cal

RT: 10.14 min Scan# 705

Delta R.T. -0.01 min

Lab File: BF084223.D

Acq: 1 Jan 2016 4:20

Instrument :

BNA_F

ClientSampleId :

S8-0533

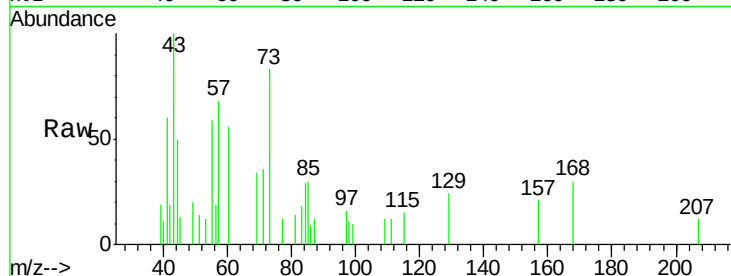
Tgt Ion:168 Resp: 894

Ion Ratio Lower Upper

168 100

139 0.0 30.5 45.7#

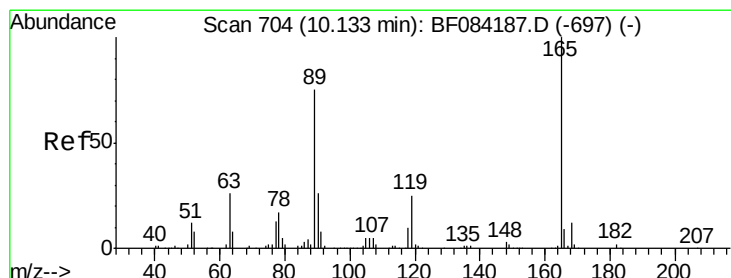
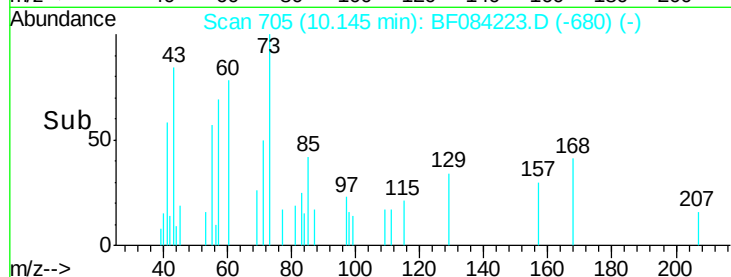
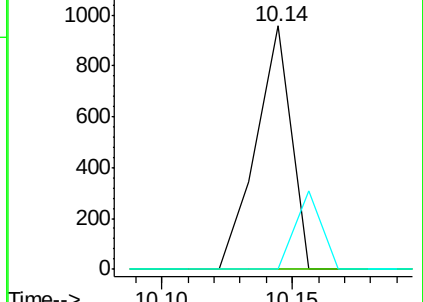
169 0.0 10.4 15.6#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

2,4-Dinitrotoluene

Concen: 6.85 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.19 min

Lab File: BF084223.D

Acq: 1 Jan 2016 4:20

Tgt Ion:165 Resp: 71750

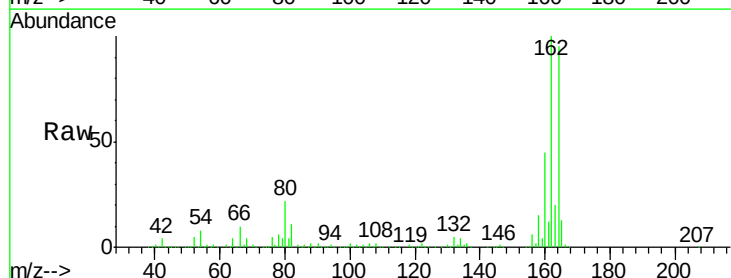
Ion Ratio Lower Upper

165 100

63 1.3 36.7 55.1#

89 1.7 61.9 92.9#

182 0.0 2.0 3.0#

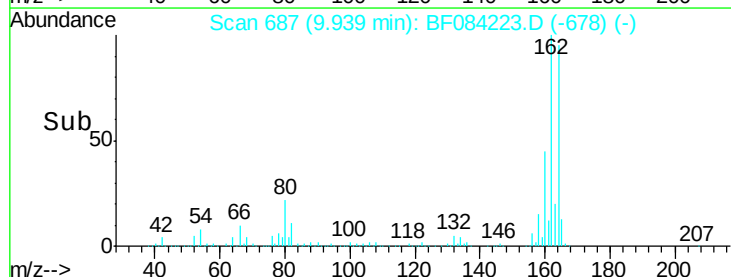
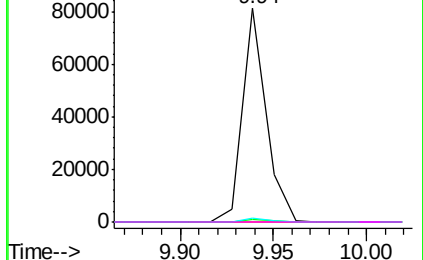


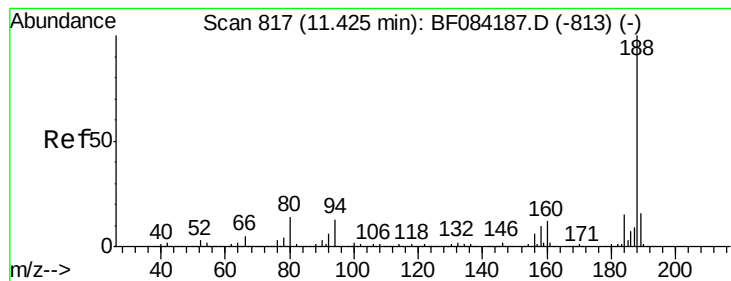
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.42 min Scan# 817

Delta R.T. 0.00 min

Lab File: BF084223.D

Acq: 1 Jan 2016 4:20

Instrument :

BNA_F

ClientSampleId :

S8-0533

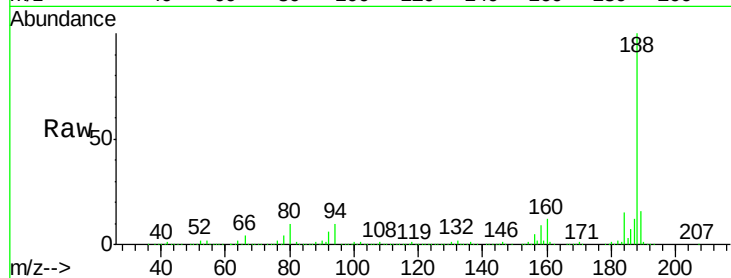
Tgt Ion:188 Resp: 950262

Ion Ratio Lower Upper

188 100

94 9.9 9.0 13.4

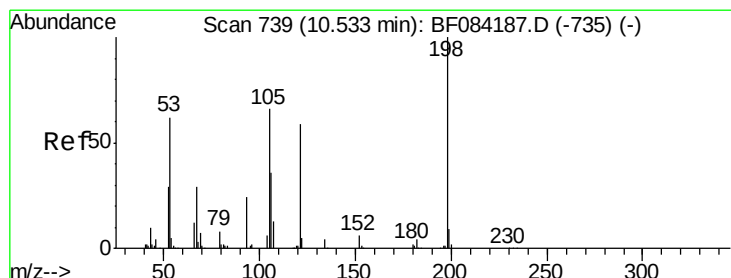
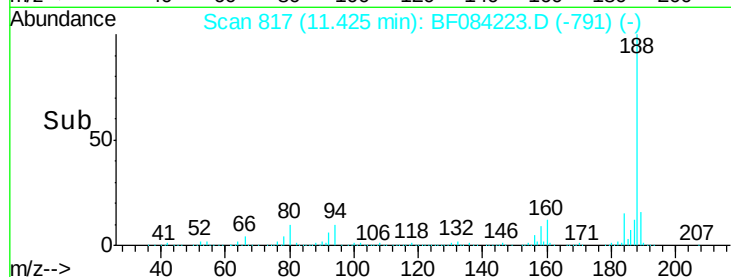
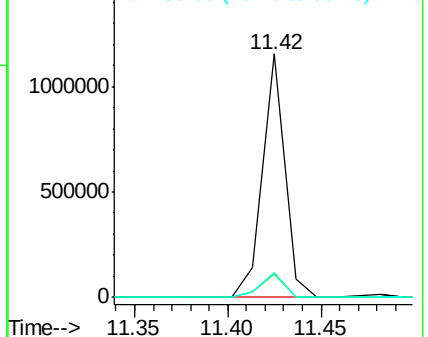
80 10.4 9.6 14.4



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



#64

4,6-Dinitro-2-methylphenol

Concen: 6.65 ng

RT: 10.73 min Scan# 756

Delta R.T. 0.19 min

Lab File: BF084223.D

Acq: 1 Jan 2016 4:20

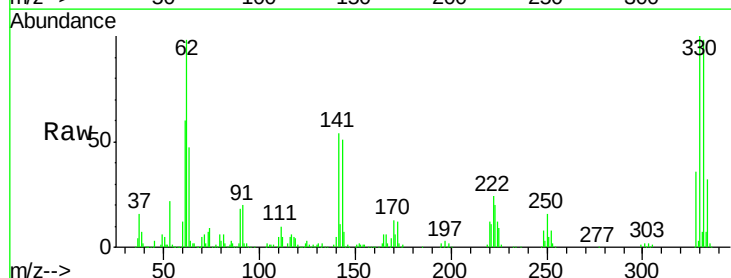
Tgt Ion:198 Resp: 1770

Ion Ratio Lower Upper

198 100

51 270.1 18.9 58.9#

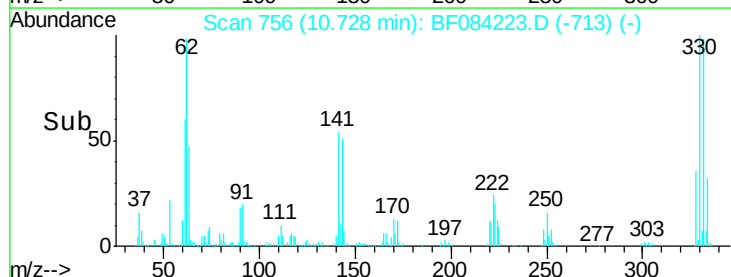
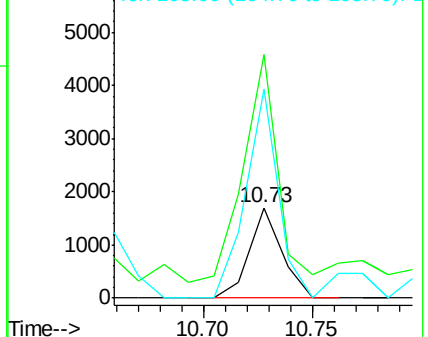
105 232.6 26.4 66.4#

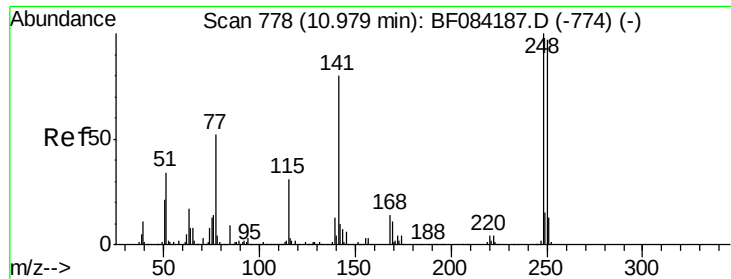


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 4.34 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.25 min

Lab File: BF084223.D

Acq: 1 Jan 2016 4:20

Instrument :

BNA_F

ClientSampleId :

S8-0533

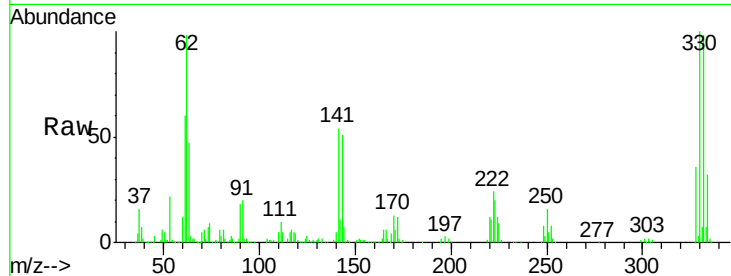
Tgt Ion:248 Resp: 44345

Ion Ratio Lower Upper

248 100

250 198.7 78.4 117.6#

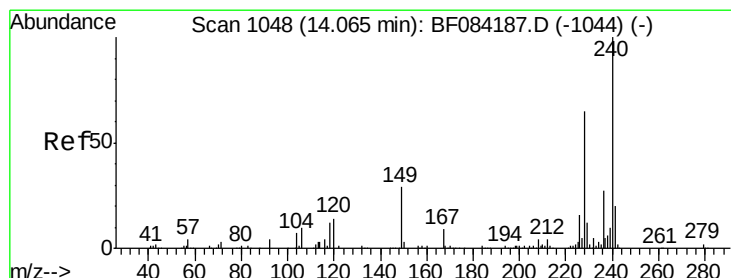
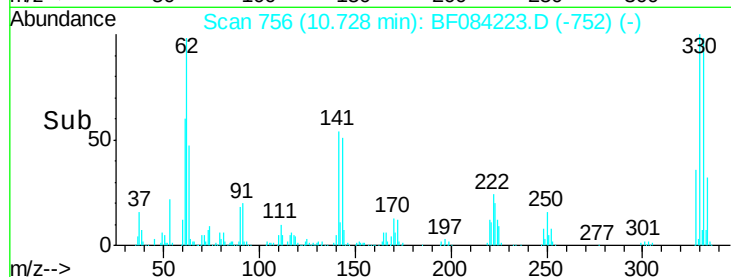
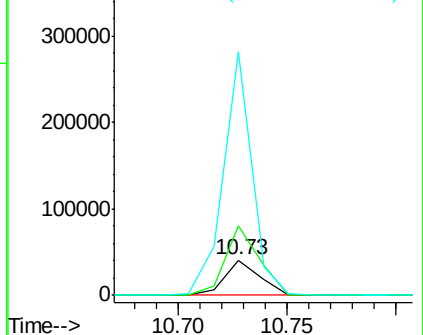
141 692.9 44.0 66.0#



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: 14.07 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF084223.D

Acq: 1 Jan 2016 4:20

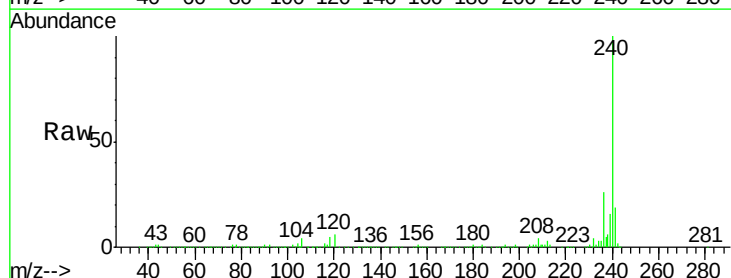
Tgt Ion:240 Resp: 607944

Ion Ratio Lower Upper

240 100

120 5.9 9.5 14.3#

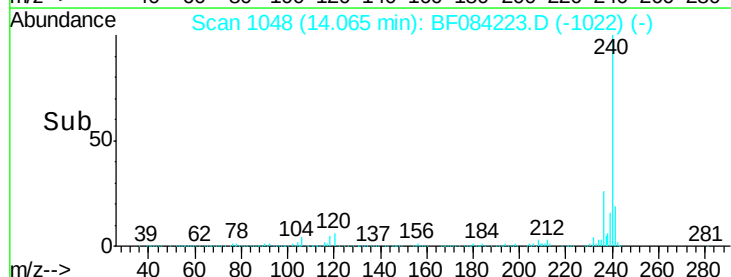
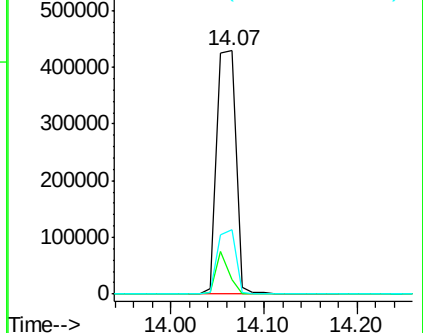
236 26.3 20.6 31.0

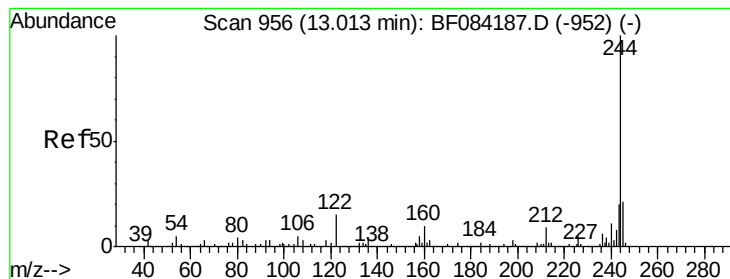


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 83.83 ng

RT: 13.01 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF084223.D

Acq: 1 Jan 2016 4:20

Instrument :

BNA_F

ClientSampleId :

S8-0533

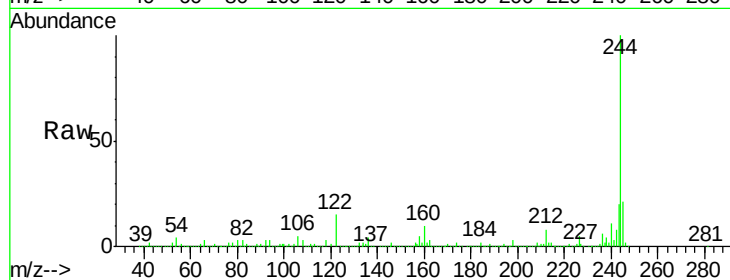
Tgt Ion:244 Resp: 2283283

Ion Ratio Lower Upper

244 100

212 8.5 5.7 8.5

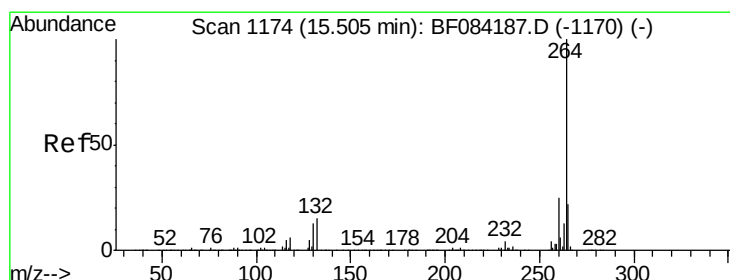
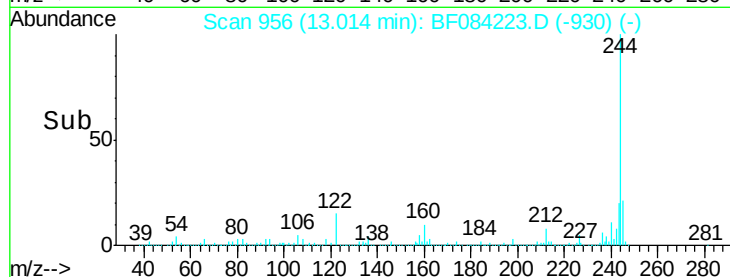
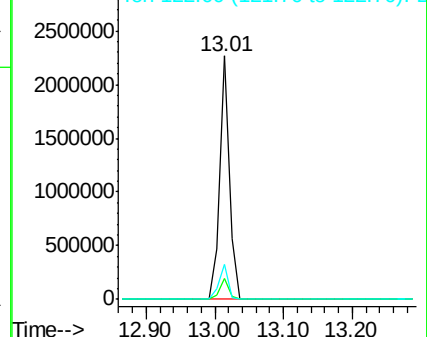
122 14.5 7.4 11.0#



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: 15.51 min Scan# 1174

Delta R.T. 0.00 min

Lab File: BF084223.D

Acq: 1 Jan 2016 4:20

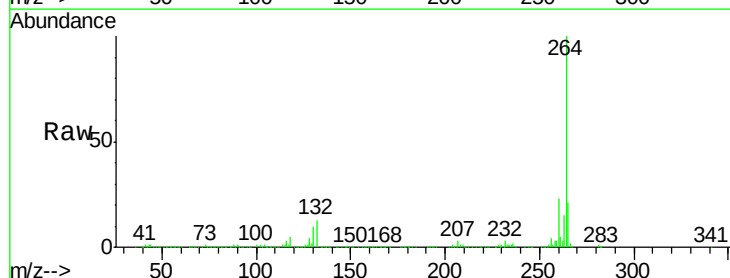
Tgt Ion:264 Resp: 562354

Ion Ratio Lower Upper

264 100

260 23.0 19.4 29.2

265 21.5 17.8 26.6



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

