

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020216\
 Data File : BF084776.D
 Acq On : 3 Feb 2016 6:40
 Operator : SJ/IZ
 Sample : H1313-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-21-012916

Quant Time: Feb 03 07:31:13 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 01 14:55:11 2016
 Response via : Initial Calibration

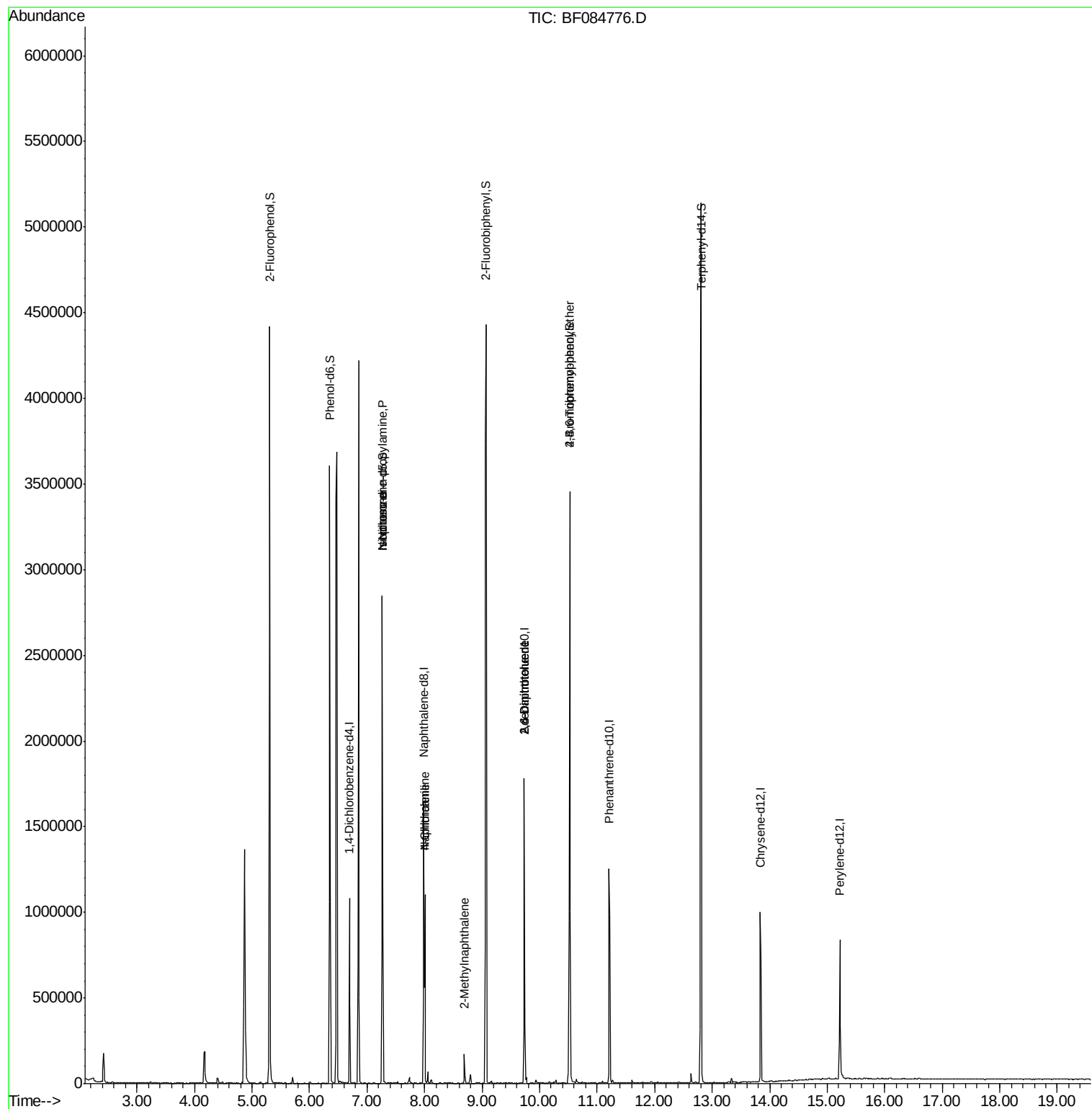
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	172249	20.00	ng	-0.03
21) Naphthalene-d8	7.98	136	751640	20.00	ng	-0.03
38) Acenaphthene-d10	9.73	164	349702	20.00	ng	-0.03
63) Phenanthrene-d10	11.21	188	639765	20.00	ng	-0.03
75) Chrysene-d12	13.84	240	466333	20.00	ng	-0.03
86) Perylene-d12	15.22	264	366098	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1404042	126.96	ng	0.00
7) Phenol-d6	6.35	99	1385562	101.07	ng	-0.02
23) Nitrobenzene-d5	7.26	82	1035337	77.59	ng	-0.03
41) 2,4,6-Tribromophenol	10.52	330	477191	130.82	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	2075359	111.62	ng	-0.02
78) Terphenyl-d14	12.81	244	2002615	97.31	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	140937	16.40	ng	# 71
25) Isophorone	7.26	82	851875	32.83	ng	# 66
31) Naphthalene	8.01	128	555786	14.74	ng	# 98
33) 4-Chloroaniline	8.01	127	72388	4.64	ng	# 34
37) 2-Methylnaphthalene	8.69	142	49413	2.09	ng	# 97
50) 2,6-Dinitrotoluene	9.73	165	46473	7.99	ng	# 37
56) 2,4-Dinitrotoluene	9.73	165	46473	6.26	ng	# 21
66) 4-Bromophenyl-phenylether	10.52	248	26955	3.81	ng	# 1

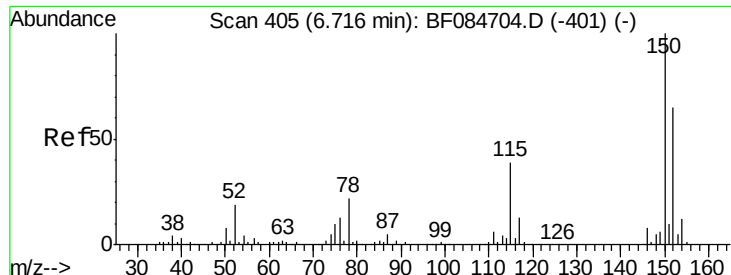
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 01 14:55:11 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.03 min

Lab File: BF084776.D

Acq: 3 Feb 2016 6:40

Instrument :

BNA_F

ClientSampleId :

HSR-WC-21-012916

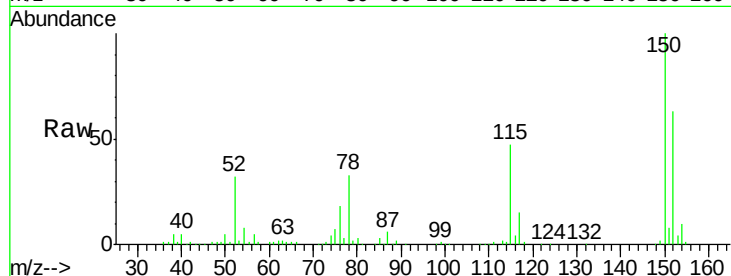
Tgt Ion:152 Resp: 172249

Ion Ratio Lower Upper

152 100

150 159.6 123.0 184.4

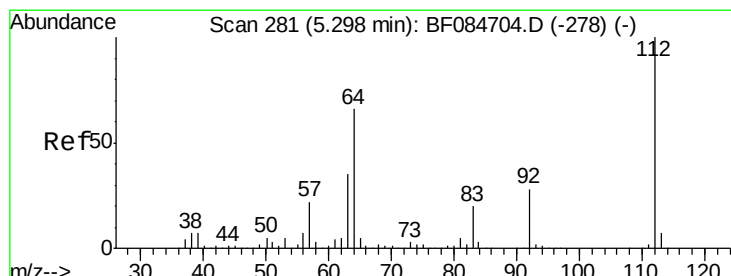
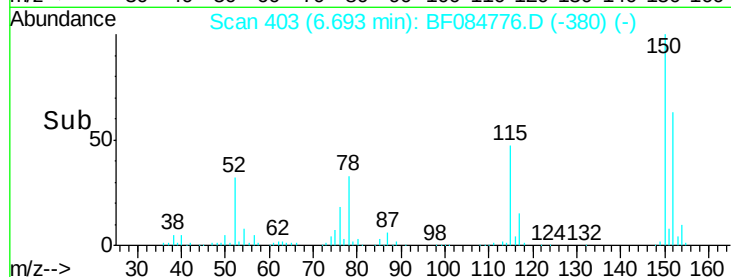
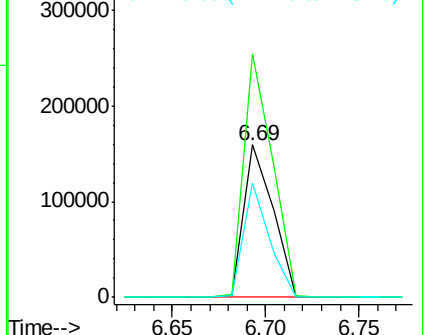
115 74.8 51.4 77.2



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: 126.96 ng

RT: 5.31 min Scan# 282

Delta R.T. 0.00 min

Lab File: BF084776.D

Acq: 3 Feb 2016 6:40

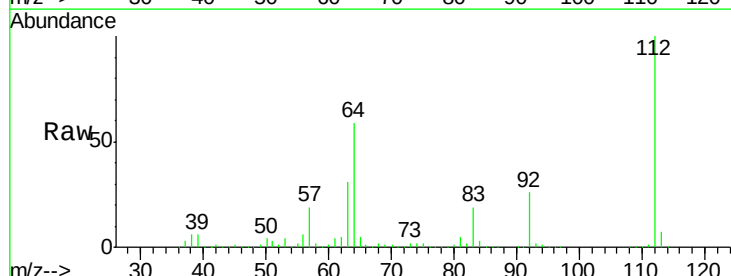
Tgt Ion:112 Resp: 1404042

Ion Ratio Lower Upper

112 100

64 58.8 36.6 55.0#

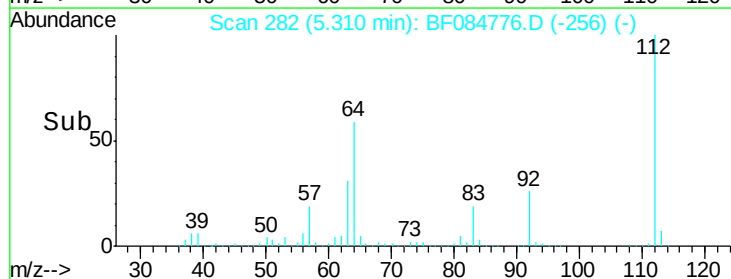
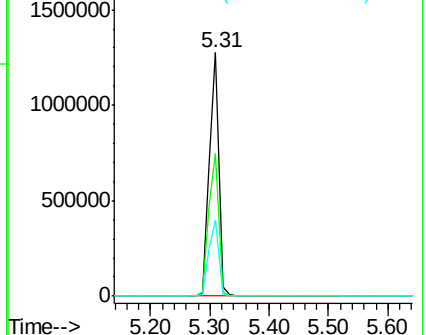
63 31.2 19.4 29.0#

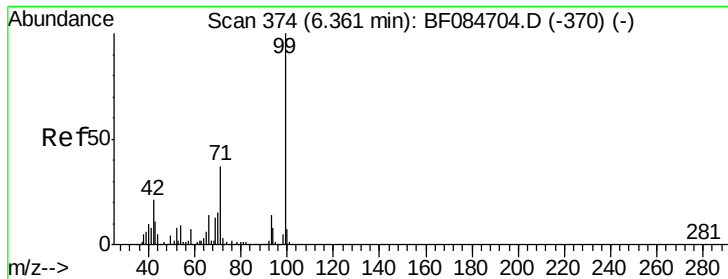


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 101.07 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.02 min

Lab File: BF084776.D

Acq: 3 Feb 2016 6:40

Instrument :

BNA_F

ClientSampleId :

HSR-WC-21-012916

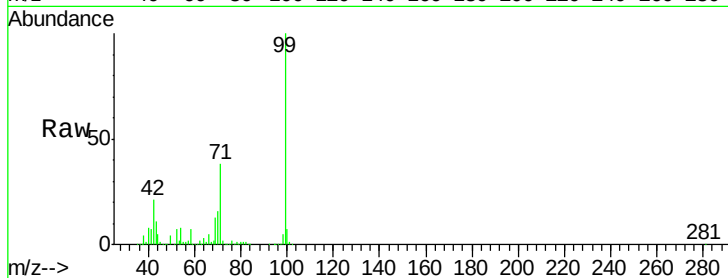
Tgt Ion: 99 Resp: 1385562

Ion Ratio Lower Upper

99 100

42 21.1 12.8 19.2#

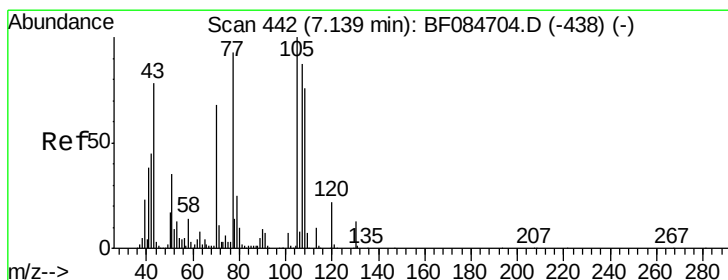
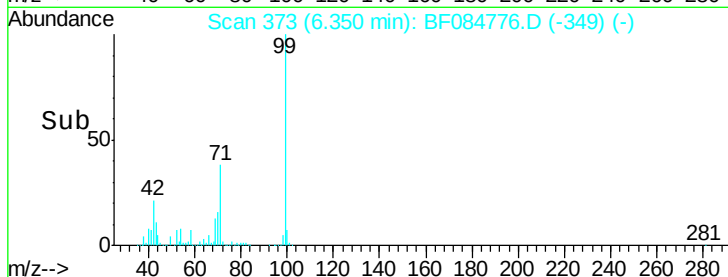
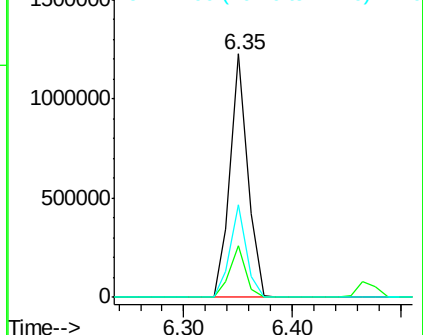
71 38.0 30.9 46.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.40 ng

RT: 7.26 min Scan# 453

Delta R.T. 0.11 min

Lab File: BF084776.D

Acq: 3 Feb 2016 6:40

Tgt Ion: 70 Resp: 140937

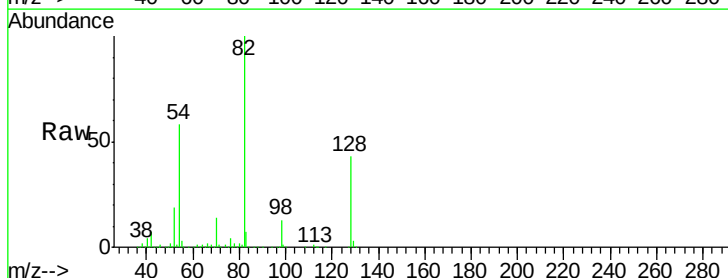
Ion Ratio Lower Upper

70 100

42 49.8 33.3 49.9

101 0.0 9.3 13.9#

130 1.8 23.4 35.0#

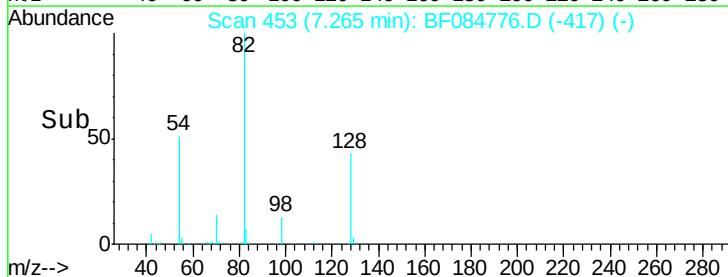
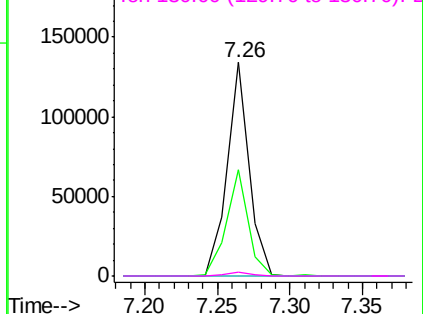


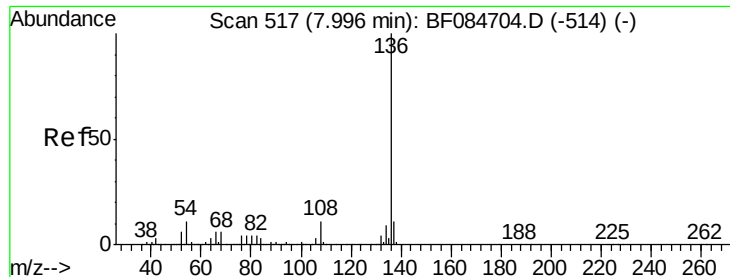
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

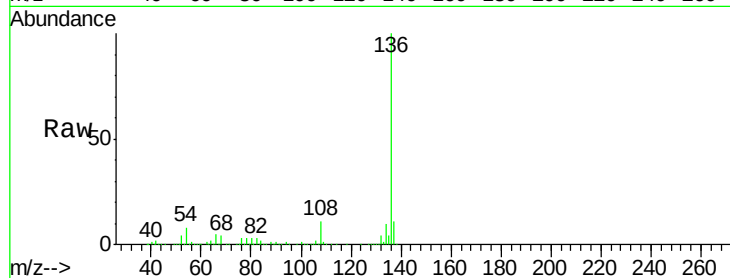




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 516
Delta R.T. -0.03 min
Lab File: BF084776.D
Acq: 3 Feb 2016 6:40

Instrument :
BNA_F
ClientSampleId :
HSR-WC-21-012916

Tgt Ion:	136	Resp:	751640
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	8.1	5.8	8.8
68	4.5	4.2	6.2



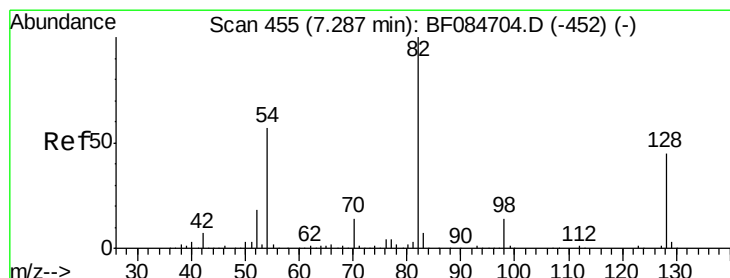
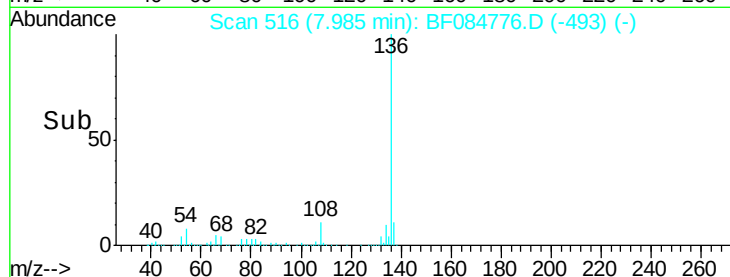
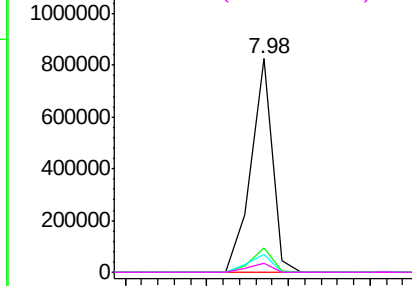
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

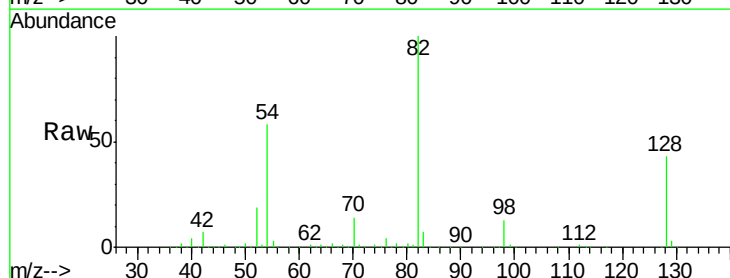
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23
Nitrobenzene-d5
Concen: 77.59 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.03 min
Lab File: BF084776.D
Acq: 3 Feb 2016 6:40

Tgt Ion:	82	Resp:	1035337
Ion	Ratio	Lower	Upper
82	100		
128	43.2	34.6	51.8
54	58.4	38.4	57.6#

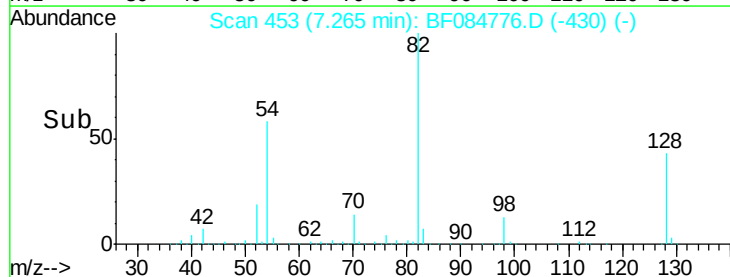
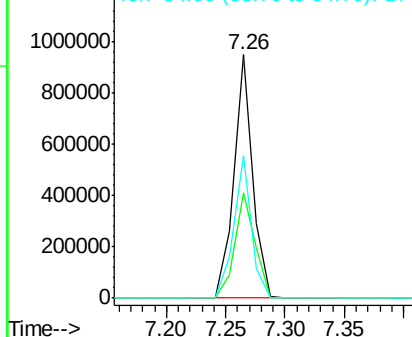


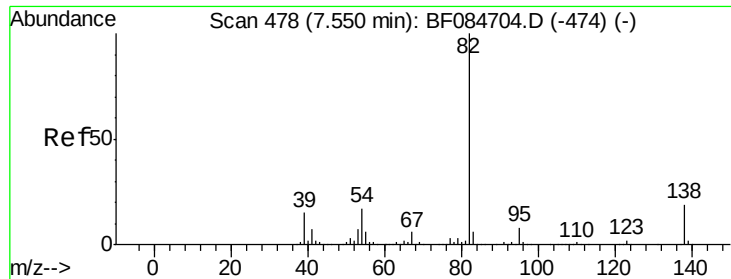
Abundance

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

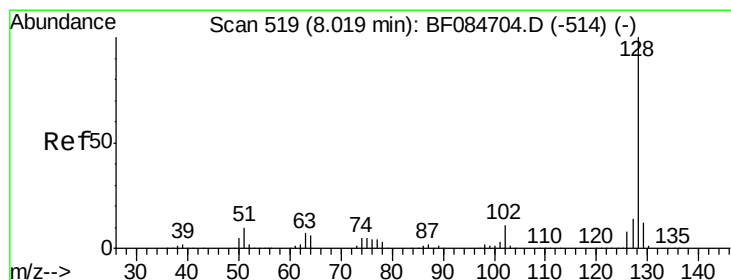
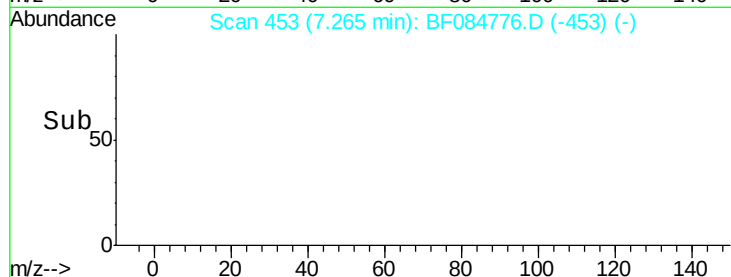
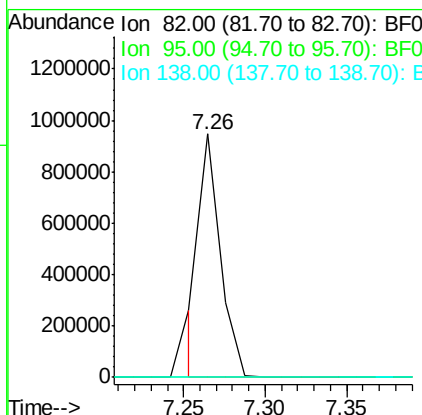
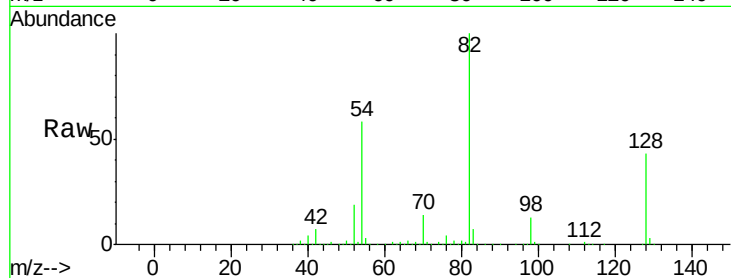




#25
Isophorone
Concen: 32.83 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.30 min
Lab File: BF084776.D
Acq: 3 Feb 2016 6:40

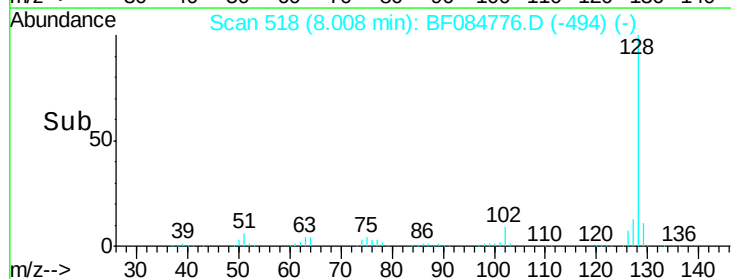
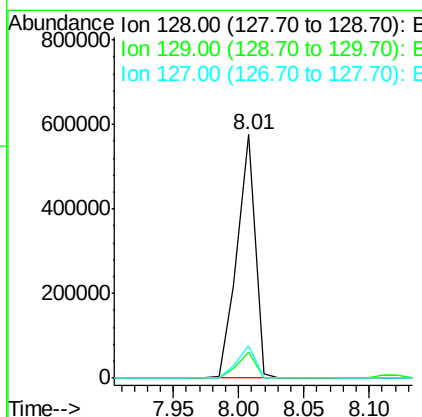
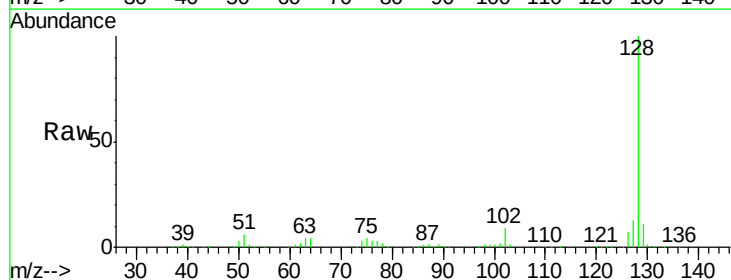
Instrument :
BNA_F
ClientSampleId :
HSR-WC-21-012916

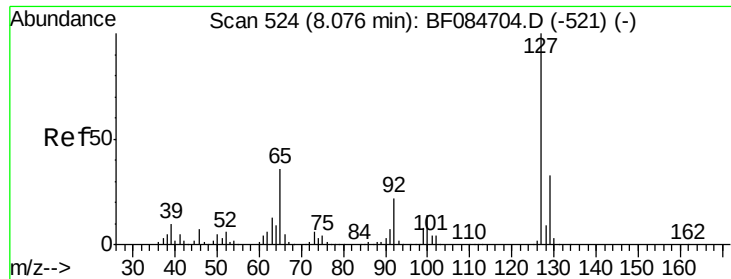
Tgt Ion: 82 Resp: 851875
Ion Ratio Lower Upper
82 100
95 0.0 6.6 10.0#
138 0.0 13.6 20.4#



#31
Naphthalene
Concen: 14.74 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.02 min
Lab File: BF084776.D
Acq: 3 Feb 2016 6:40

Tgt Ion: 128 Resp: 555786
Ion Ratio Lower Upper
128 100
129 10.8 9.1 13.7
127 13.1 11.1 16.7

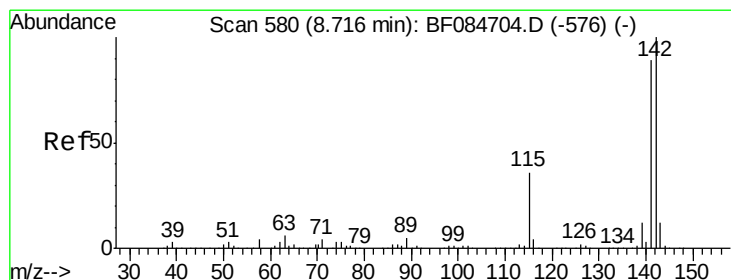
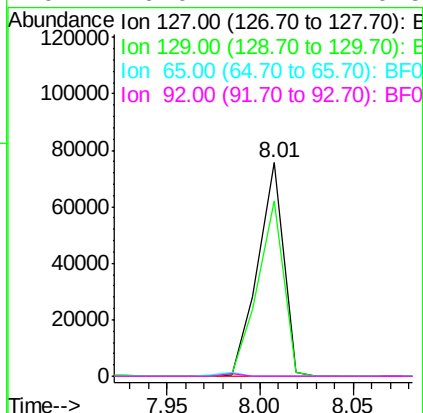
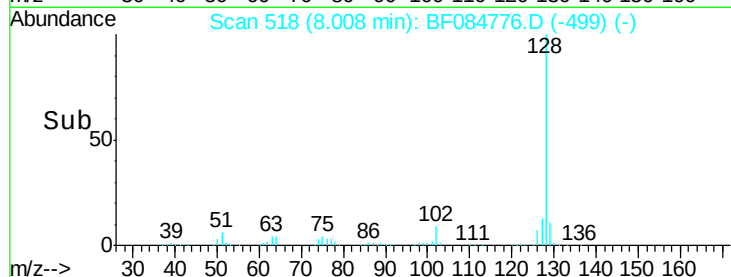
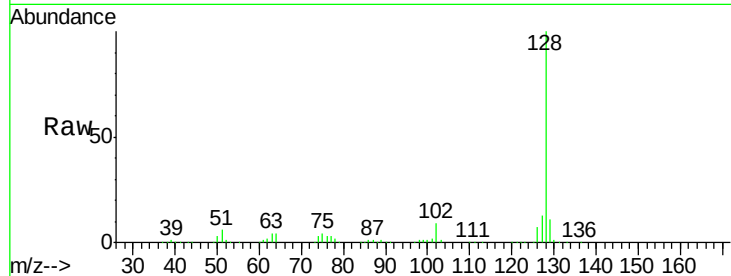




#33
4-Chloroaniline
Concen: 4.64 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.08 min
Lab File: BF084776.D
Acq: 3 Feb 2016 6:40

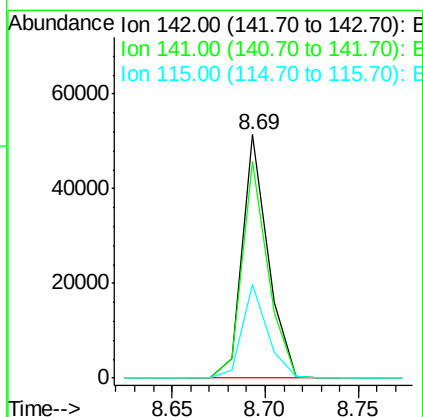
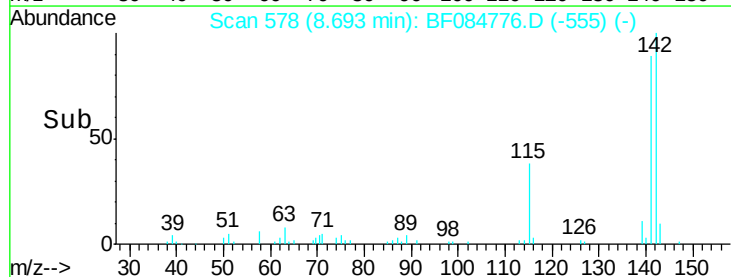
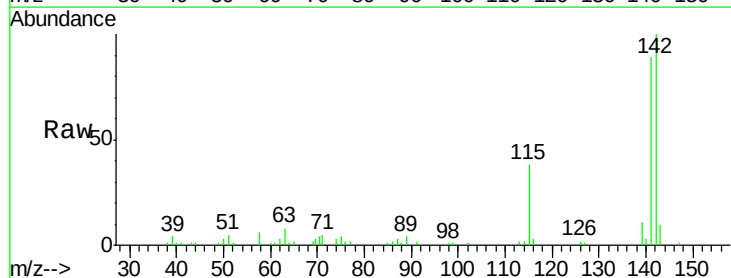
Instrument :
BNA_F
ClientSampleId :
HSR-WC-21-012916

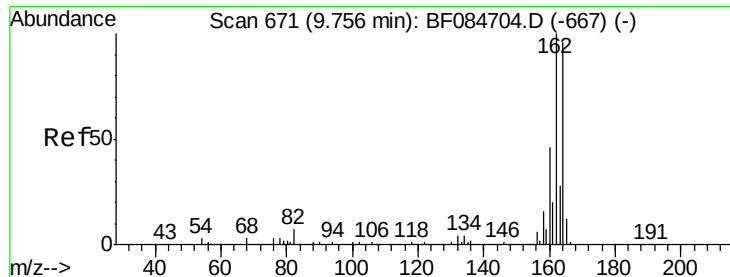
Tgt Ion:	127	Resp:	72388
Ion	Ratio	Lower	Upper
127	100		
129	82.2	26.5	39.7#
65	0.0	27.2	40.8#
92	0.0	17.7	26.5#



#37
2-Methylnaphthalene
Concen: 2.09 ng
RT: 8.69 min Scan# 578
Delta R.T. -0.03 min
Lab File: BF084776.D
Acq: 3 Feb 2016 6:40

Tgt Ion:	142	Resp:	49413
Ion	Ratio	Lower	Upper
142	100		
141	89.2	72.4	108.6
115	38.4	27.9	41.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.03 min

Lab File: BF084776.D

Acq: 3 Feb 2016 6:40

Instrument :

BNA_F

ClientSampleId :

HSR-WC-21-012916

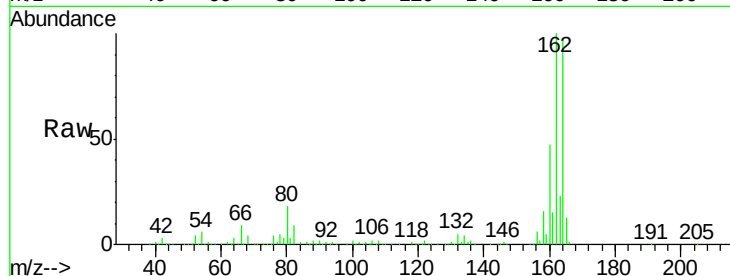
Tgt Ion:164 Resp: 349702

Ion Ratio Lower Upper

164 100

162 103.5 85.1 127.7

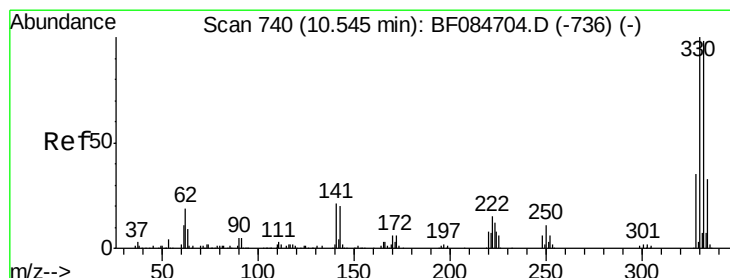
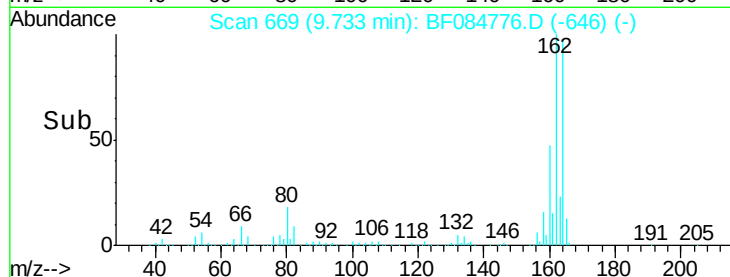
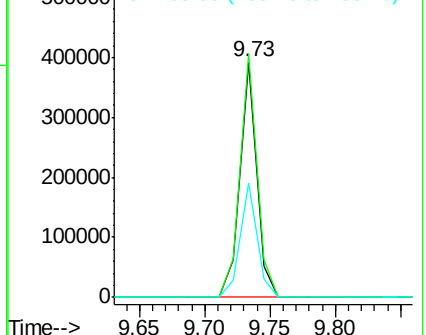
160 48.4 37.5 56.3



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: 130.82 ng

RT: 10.52 min Scan# 738

Delta R.T. -0.03 min

Lab File: BF084776.D

Acq: 3 Feb 2016 6:40

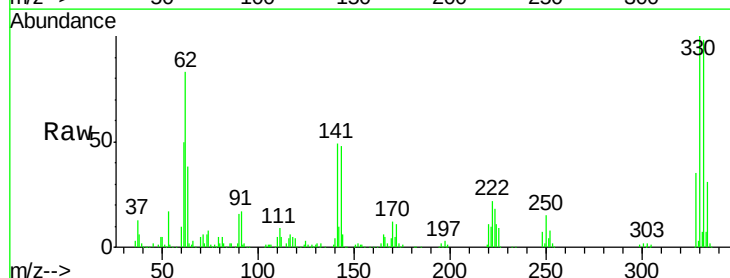
Tgt Ion:330 Resp: 477191

Ion Ratio Lower Upper

330 100

332 98.2 76.6 114.8

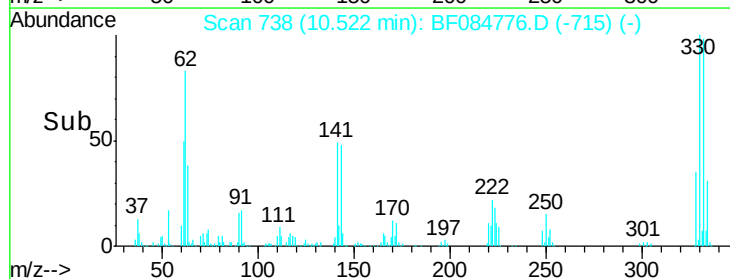
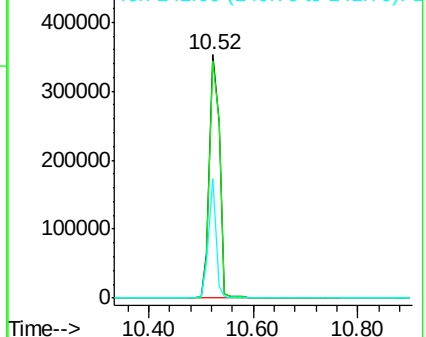
141 36.0 27.8 41.6

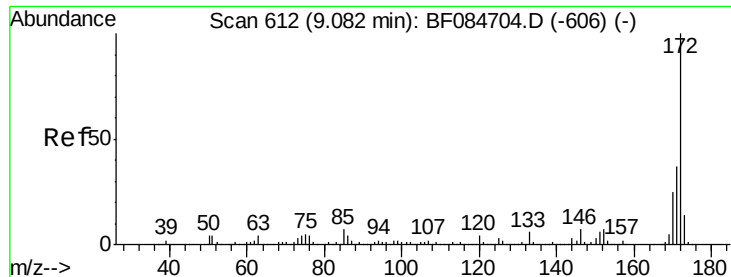


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

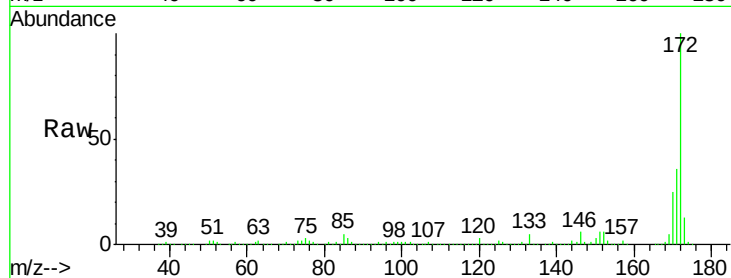




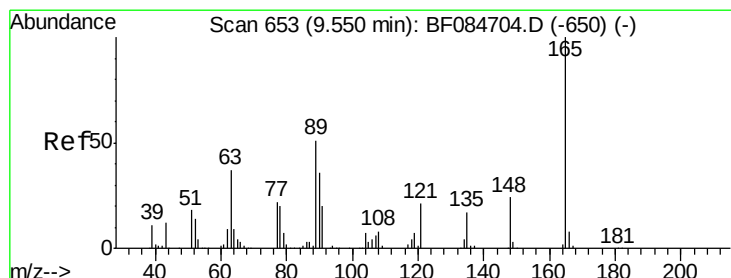
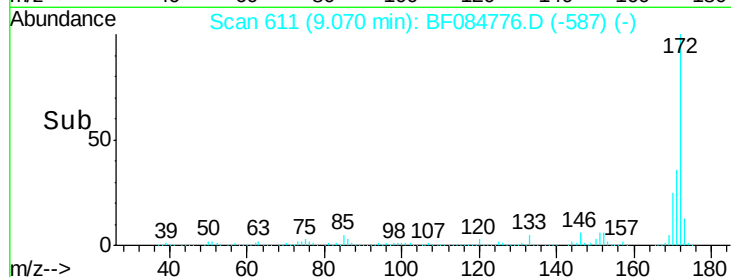
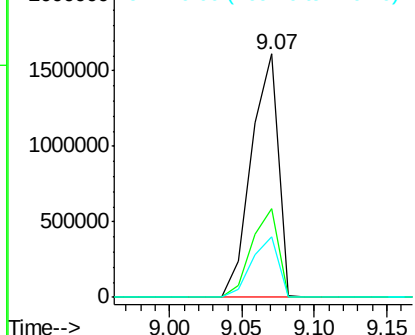
#44
 2-Fluorobiphenyl
 Concen: 111.62 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: BF084776.D
 Acq: 3 Feb 2016 6:40

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-21-012916

Tgt Ion:172 Resp: 2075359
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.9 43.3
 170 25.1 18.6 27.8

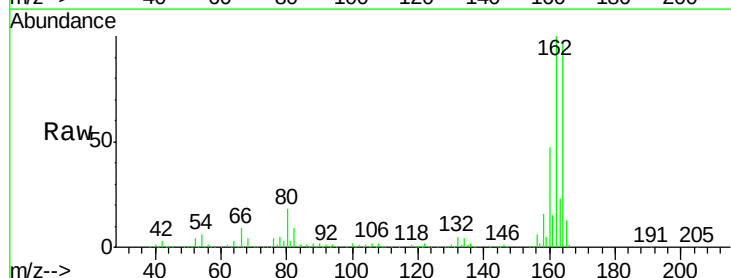


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

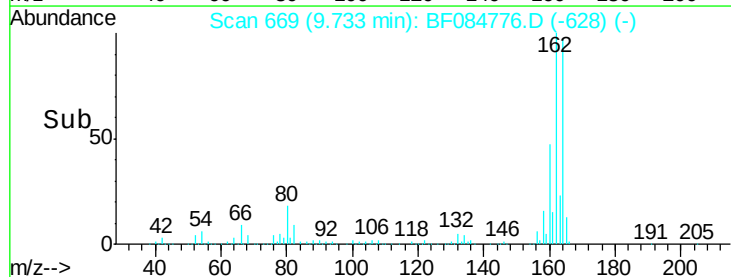
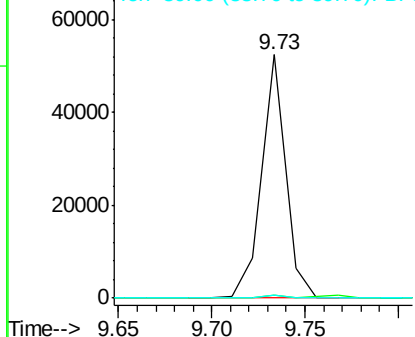


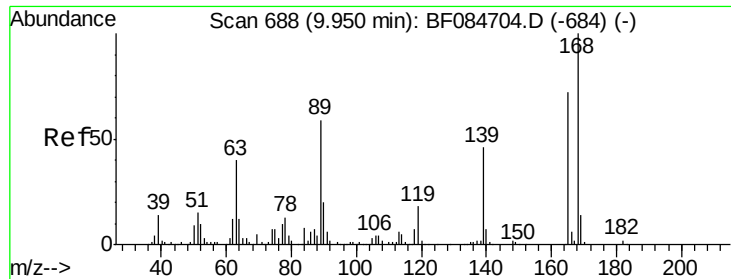
#50
 2,6-Dinitrotoluene
 Concen: 7.99 ng
 RT: 9.73 min Scan# 669
 Delta R.T. 0.17 min
 Lab File: BF084776.D
 Acq: 3 Feb 2016 6:40

Tgt Ion:165 Resp: 46473
 Ion Ratio Lower Upper
 165 100
 63 1.1 28.8 43.2#
 89 1.3 35.1 52.7#



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

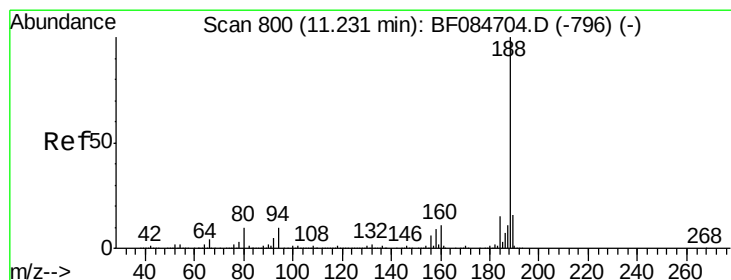
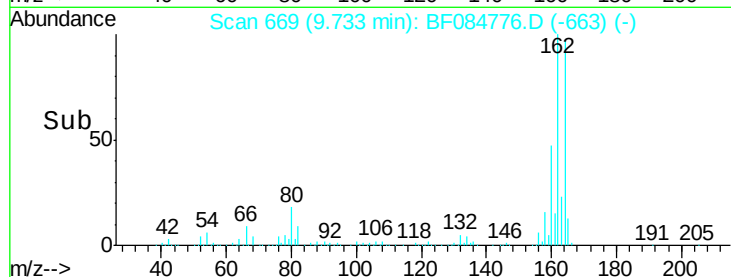
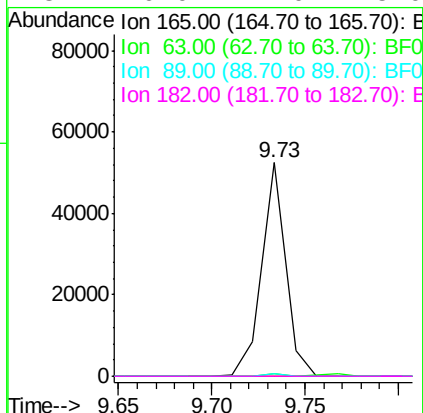
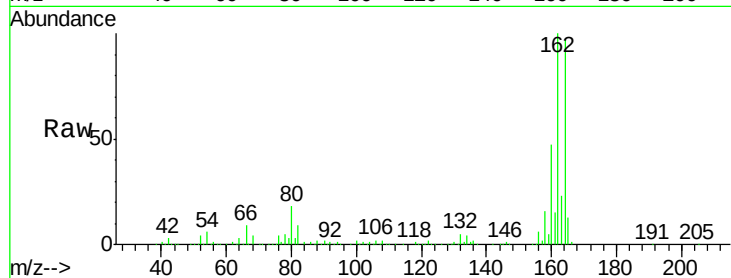




#56
 2,4-Dinitrotoluene
 Concen: 6.26 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.23 min
 Lab File: BF084776.D
 Acq: 3 Feb 2016 6:40

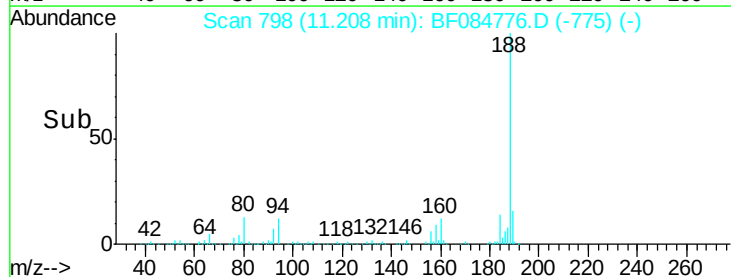
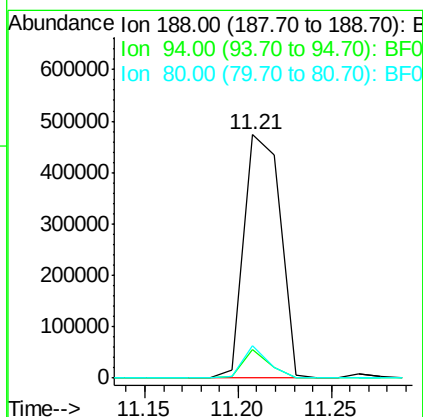
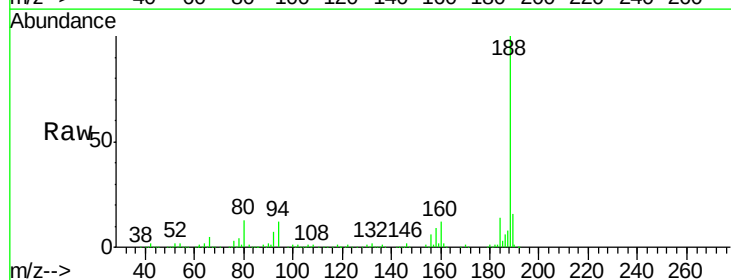
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-21-012916

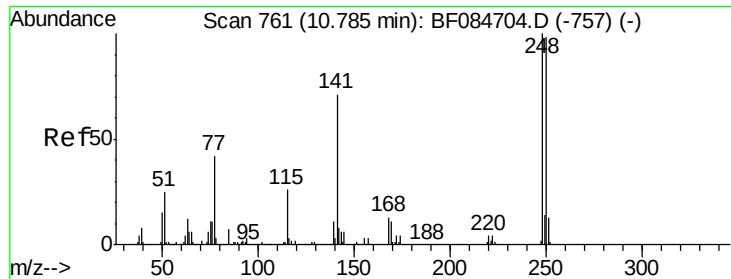
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.7	55.1#
89	1.3	61.9	92.9#
182	0.0	2.0	3.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 798
 Delta R.T. -0.03 min
 Lab File: BF084776.D
 Acq: 3 Feb 2016 6:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.5	9.0	13.4
80	13.3	9.6	14.4

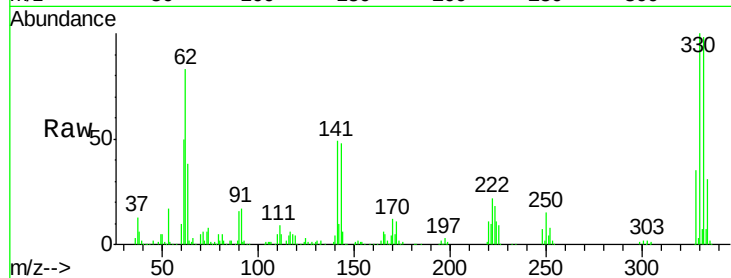




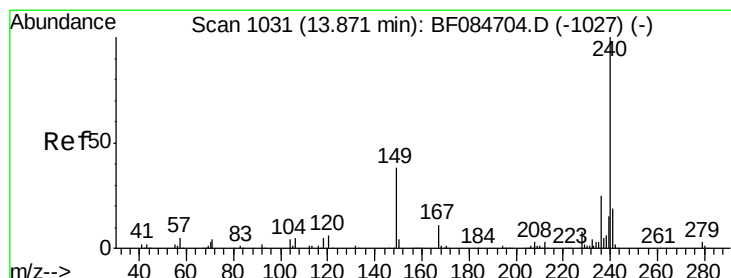
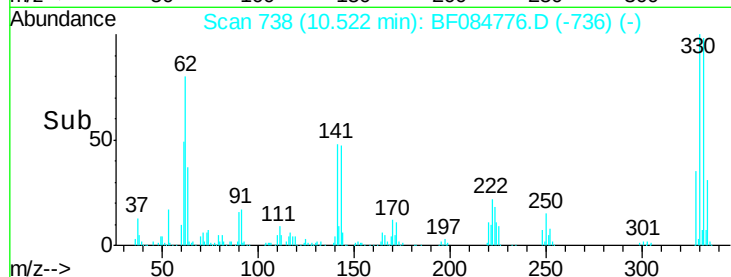
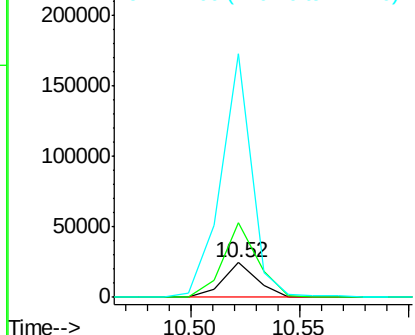
#66
4-Bromophenyl-phenylether
Concen: 3.81 ng
RT: 10.52 min Scan# 738
Delta R.T. -0.27 min
Lab File: BF084776.D
Acq: 3 Feb 2016 6:40

Instrument :
BNA_F
ClientSampleId :
HSR-WC-21-012916

Tgt Ion:248 Resp: 26955
Ion Ratio Lower Upper
248 100
250 214.6 78.4 117.6#
141 699.9 44.0 66.0#

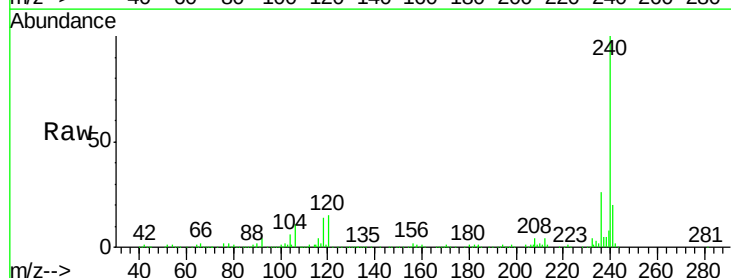


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

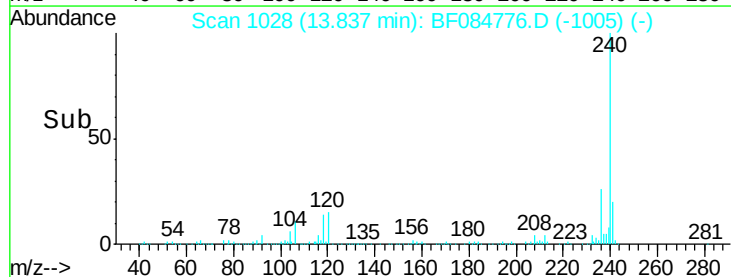
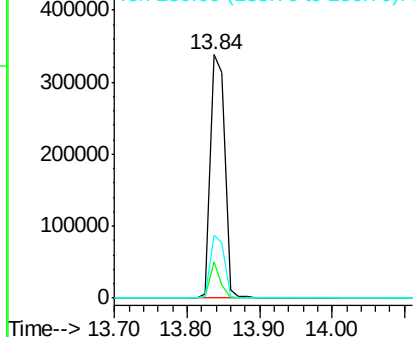


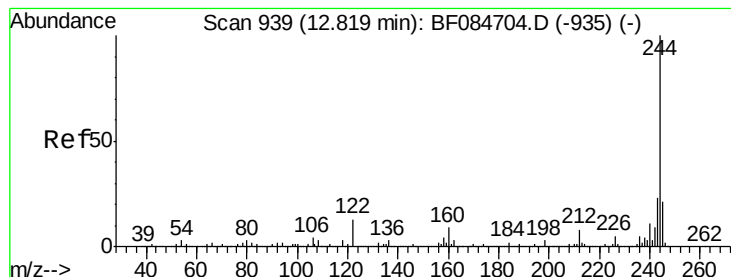
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.84 min Scan# 1028
Delta R.T. -0.03 min
Lab File: BF084776.D
Acq: 3 Feb 2016 6:40

Tgt Ion:240 Resp: 466333
Ion Ratio Lower Upper
240 100
120 15.1 9.5 14.3#
236 26.1 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: 97.31 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.02 min

Lab File: BF084776.D

Acq: 3 Feb 2016 6:40

Instrument :

BNA_F

ClientSampleId :

HSR-WC-21-012916

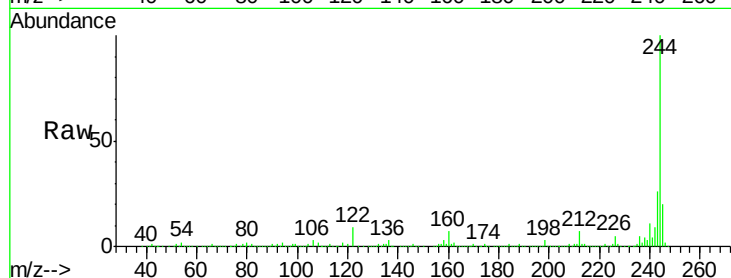
Tgt Ion:244 Resp: 2002615

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

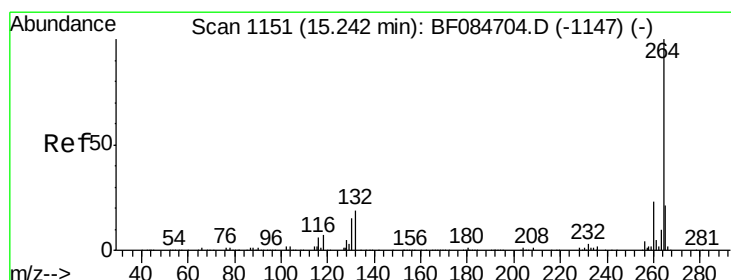
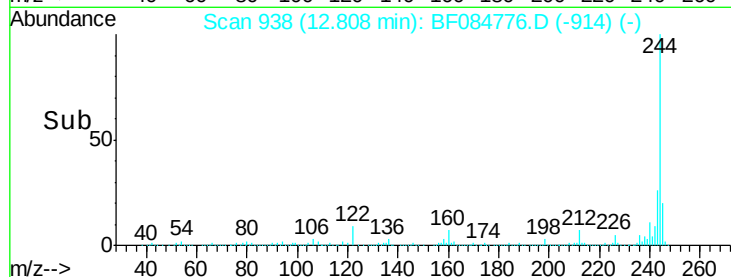
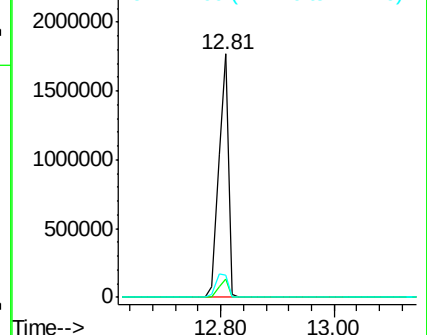
122 9.2 7.4 11.0



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: 15.22 min Scan# 1149

Delta R.T. -0.03 min

Lab File: BF084776.D

Acq: 3 Feb 2016 6:40

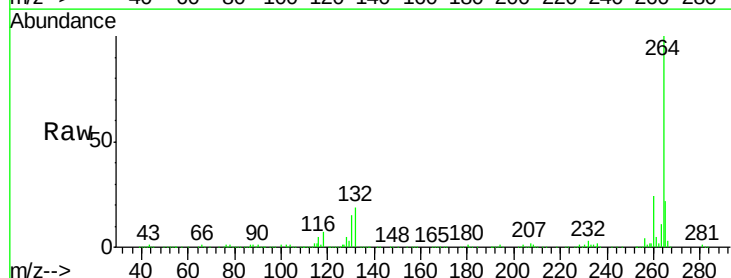
Tgt Ion:264 Resp: 366098

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

265 22.4 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

