

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061216\
 Data File : BF087955.D
 Acq On : 12 Jun 2016 18:34
 Operator : UM/SJ
 Sample : H3490-06
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-04

Quant Time: Jun 13 05:00:11 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 02:17:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	116775	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	479183	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	256022	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	416744	20.00	ng	0.00
75) Chrysene-d12	13.95	240	293213	20.00	ng	-0.01
86) Perylene-d12	15.37	264	234325	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	515782	75.51	ng	0.00
7) Phenol-d6	6.43	99	436695	52.75	ng	-0.01
23) Nitrobenzene-d5	7.37	82	692856	84.43	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	279021	103.21	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1289042	78.68	ng	-0.01
78) Terphenyl-d14	12.91	244	937233	72.74	ng	-0.01

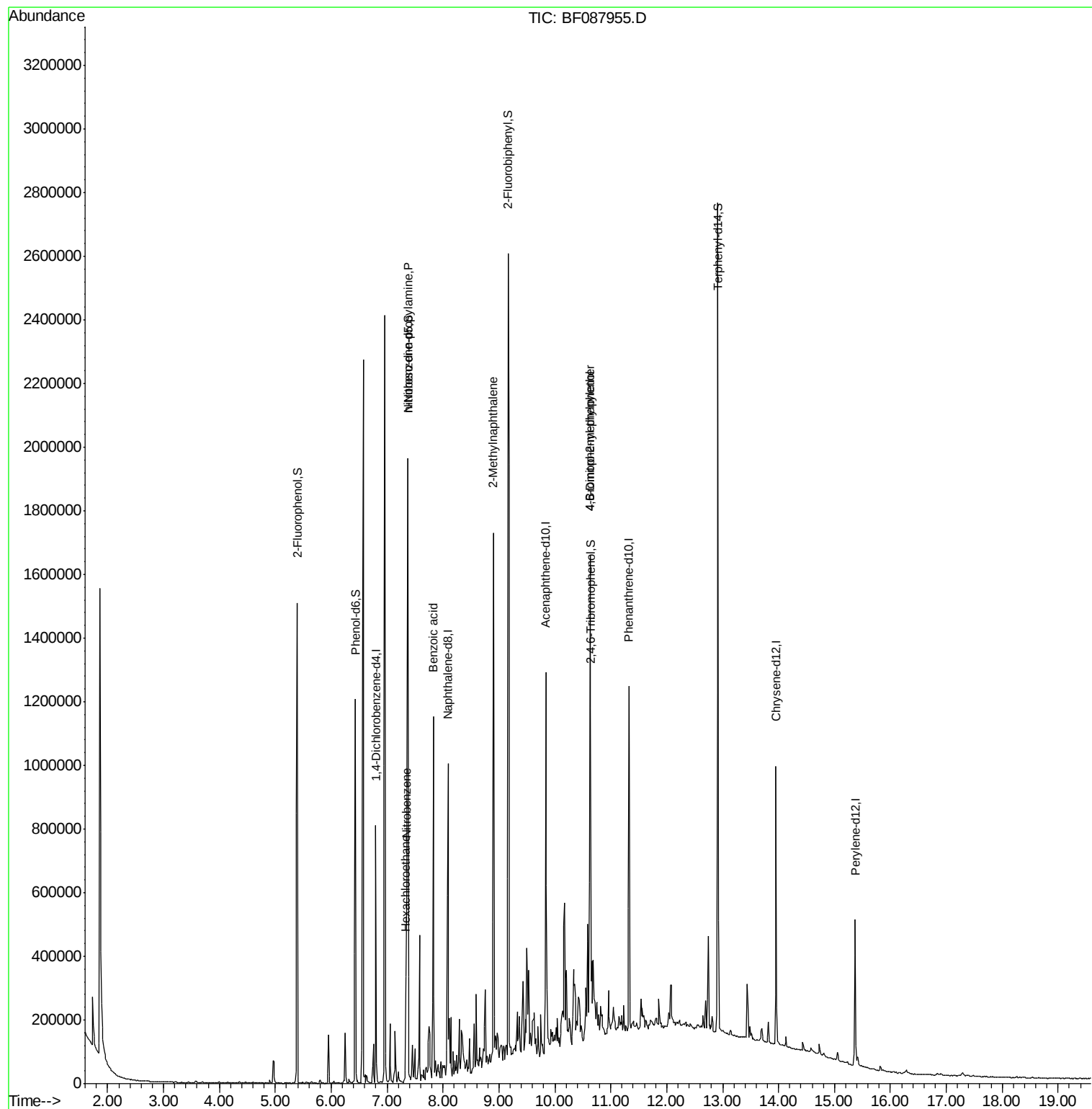
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.44	94	797	Below Cal	#	68
18) Hexachloroethane	7.34	117	63310	20.42	ng	45
19) n-Nitroso-di-n-propylamine	7.37	70	92529	17.47	ng	72
24) Nitrobenzene	7.35	77	24406	3.07	ng	14
32) Benzoic acid	7.83	122	34668	8.03	ng	1
37) 2-Methylnaphthalene	8.90	142	444085	28.41	ng	94
45) 1,1'-Biphenyl	9.36	154	1357	Below Cal	#	1
57) Fluorene	10.39	166	14532	Below Cal	#	98
64) 4,6-Dinitro-2-methylphenol	10.63	198	632	2.39	ng	1
66) 4-Bromophenyl-phenylether	10.63	248	17115	3.83	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: 6.80 min Scan# 456

Delta R.T. 0.00 min

Lab File: BF087955.D

Acq: 12 Jun 2016 18:34

Instrument :

BNA_F

ClientSampleId :

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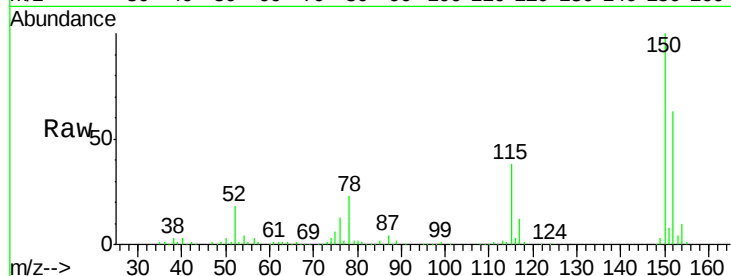
Tgt Ion:152 Resp: 116775

Ion Ratio Lower Upper

152 100

150 157.7 123.8 185.6

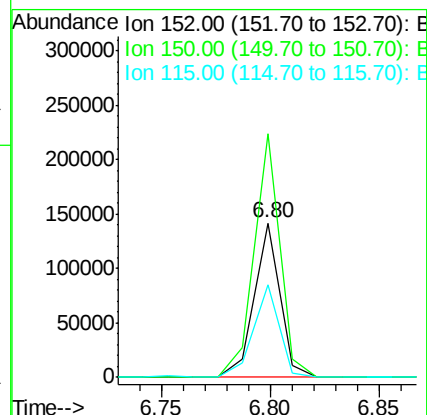
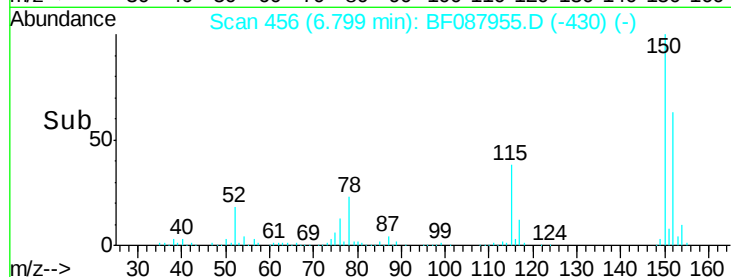
115 60.4 39.6 59.4#



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: 75.51 ng

RT: 5.39 min Scan# 333

Delta R.T. -0.00 min

Lab File: BF087955.D

Acq: 12 Jun 2016 18:34

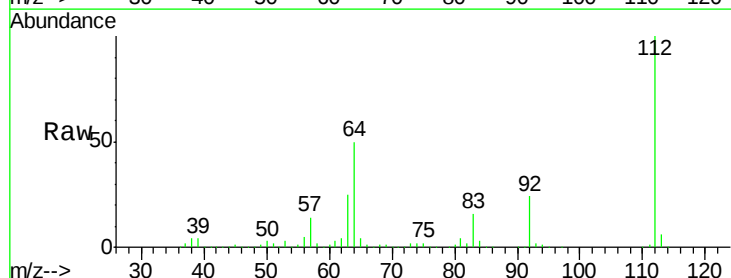
Tgt Ion:112 Resp: 515782

Ion Ratio Lower Upper

112 100

64 49.7 42.2 63.2

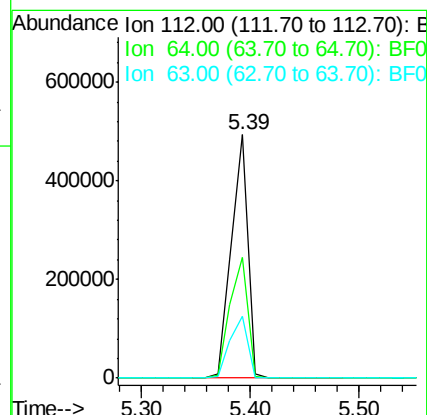
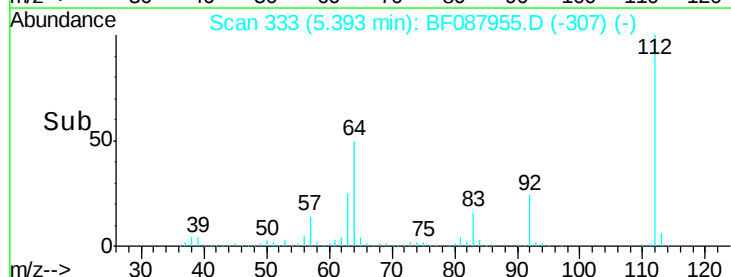
63 25.4 21.8 32.8



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: 52.75 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF087955.D

Acq: 12 Jun 2016 18:34

Instrument :

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ClientSampleId :

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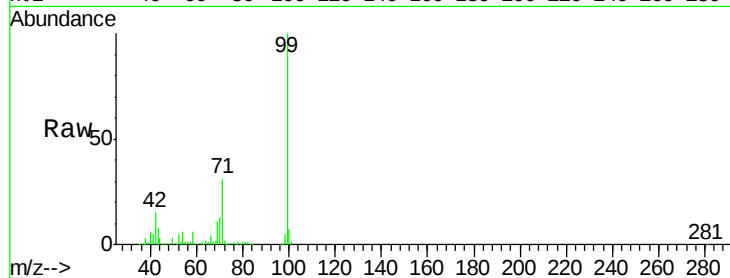
Tgt Ion: 99 Resp: 436695

Ion Ratio Lower Upper

99 100

42 14.8 12.2 18.2

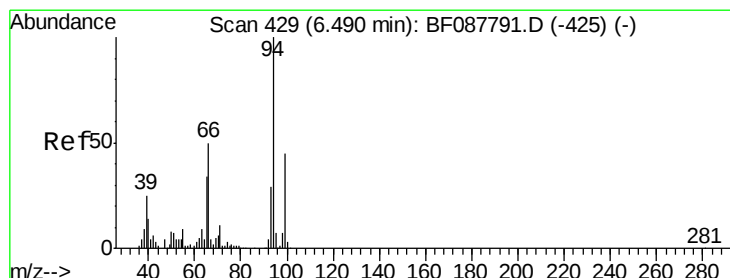
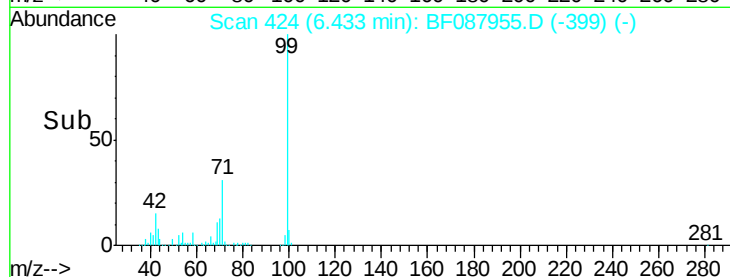
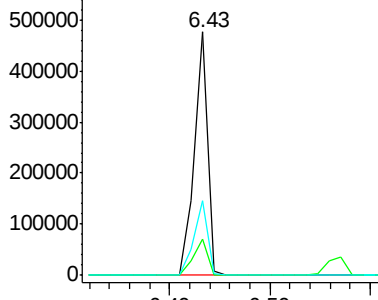
71 30.7 23.4 35.0



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: Below Cal

RT: 6.44 min Scan# 425

Delta R.T. -0.01 min

Lab File: BF087955.D

Acq: 12 Jun 2016 18:34

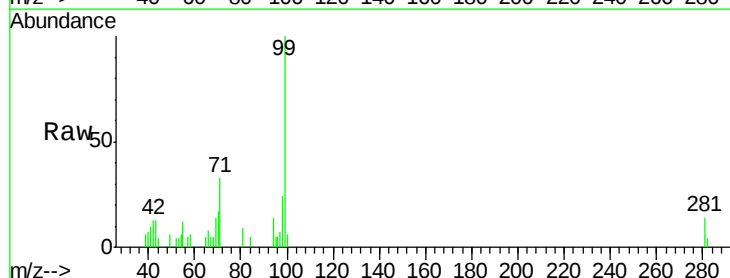
Tgt Ion: 94 Resp: 797

Ion Ratio Lower Upper

94 100

65 33.3 5.9 45.9

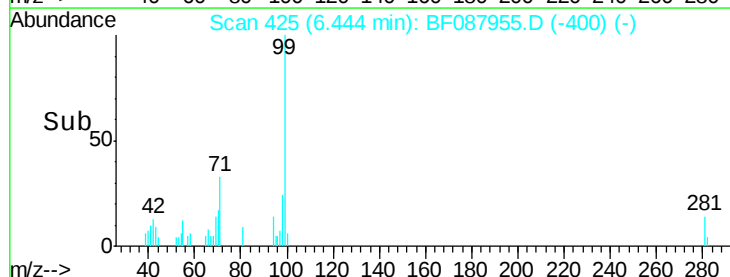
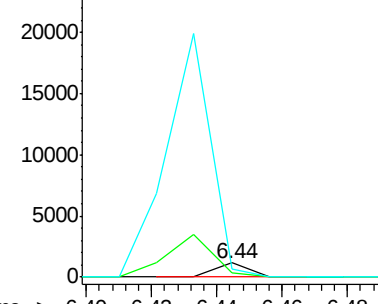
66 60.0 14.0 54.0#

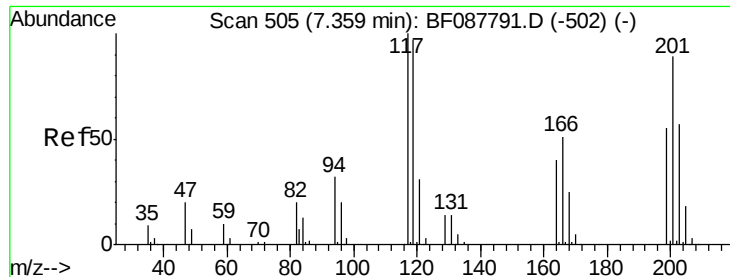


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#18

Hexachloroethane

Concen: 20.42 ng

RT: 7.34 min Scan# 503

Delta R.T. 0.01 min

Lab File: BF087955.D

Acq: 12 Jun 2016 18:34

Instrument :

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ClientSampleId :

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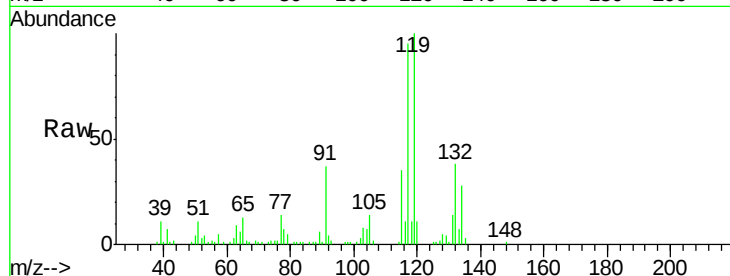
Tgt Ion: 117 Resp: 63310

Ion Ratio Lower Upper

117 100

119 104.9 77.4 116.2

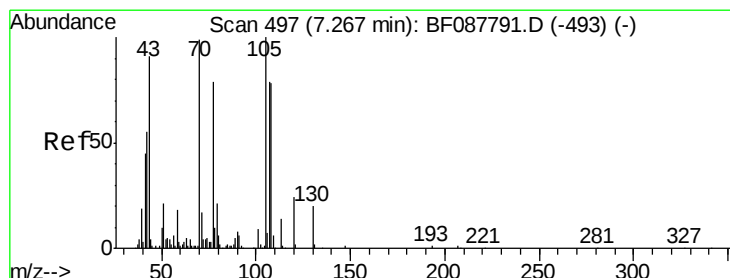
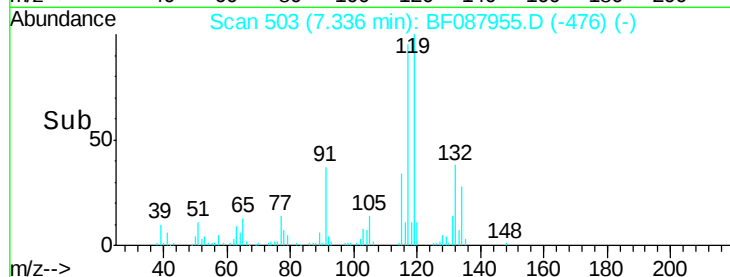
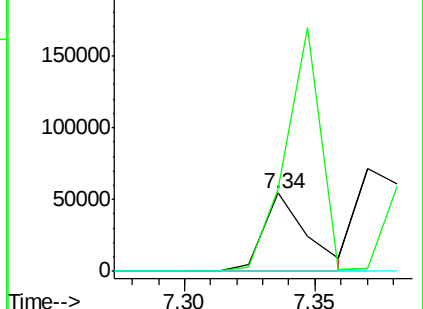
201 0.0 80.4 120.6#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 17.47 ng

RT: 7.37 min Scan# 506

Delta R.T. 0.14 min

Lab File: BF087955.D

Acq: 12 Jun 2016 18:34

Tgt Ion: 70 Resp: 92529

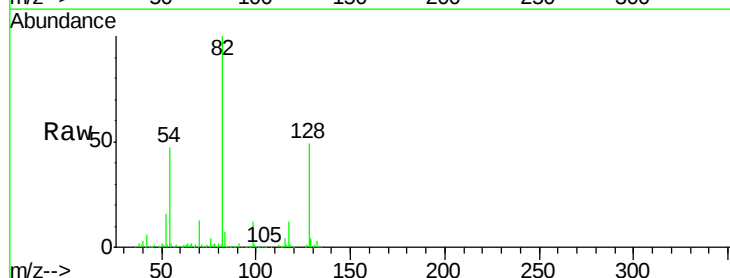
Ion Ratio Lower Upper

70 100

42 41.7 49.6 74.4#

101 0.6 7.1 10.7#

130 2.8 15.4 23.2#

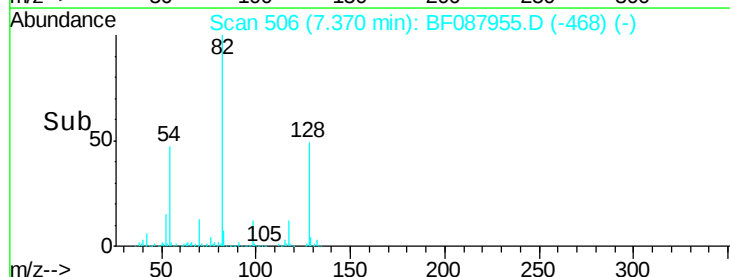
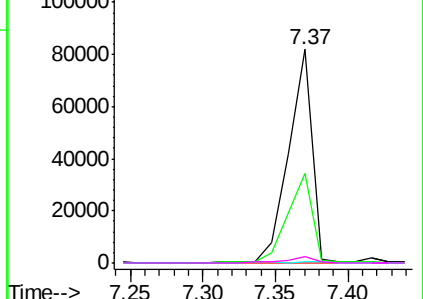


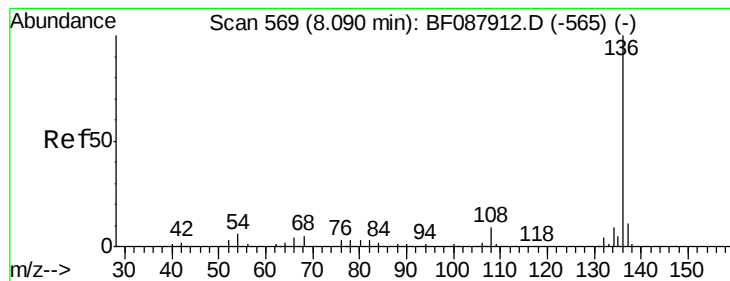
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 569

Delta R.T. 0.00 min

Lab File: BF087955.D

Acq: 12 Jun 2016 18:34

Instrument :

BNA_F

ClientSampleId :

W-04

Tgt Ion:136 Resp: 479183

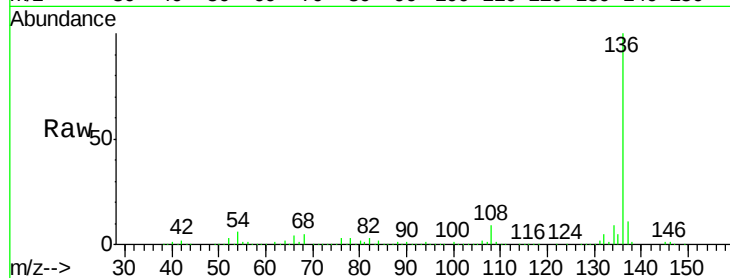
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.0 6.6 10.0#

68 5.2 5.1 7.7

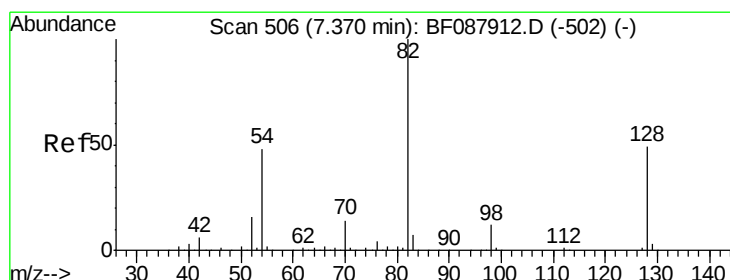
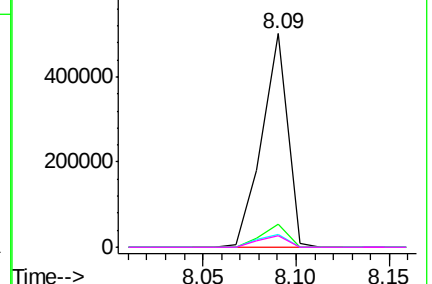
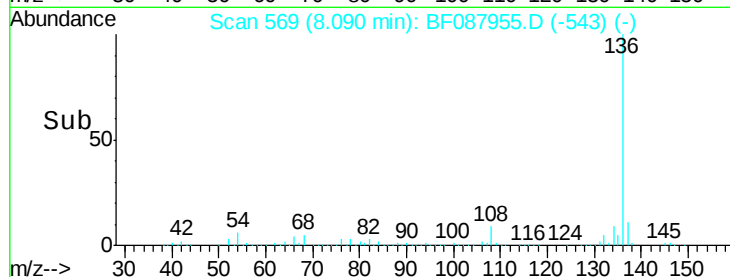


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.43 ng

RT: 7.37 min Scan# 506

Delta R.T. 0.00 min

Lab File: BF087955.D

Acq: 12 Jun 2016 18:34

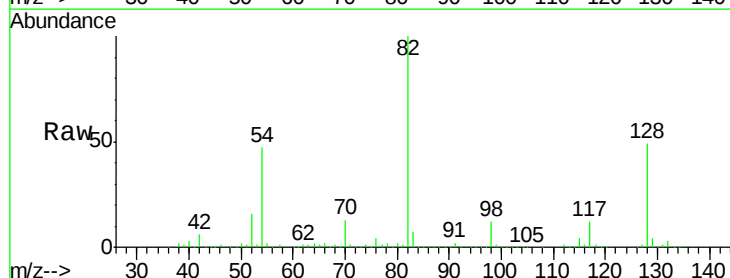
Tgt Ion: 82 Resp: 692856

Ion Ratio Lower Upper

82 100

128 48.7 35.9 53.9

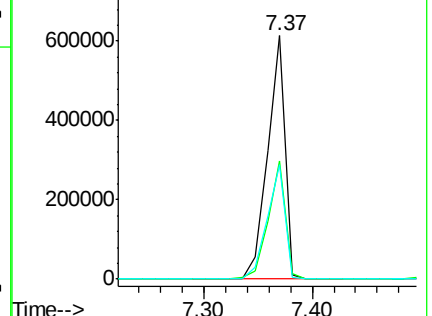
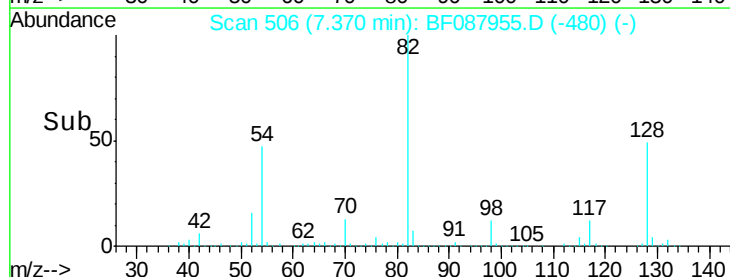
54 46.8 40.9 61.3

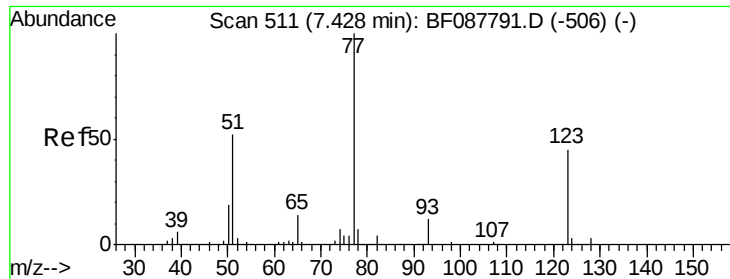


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

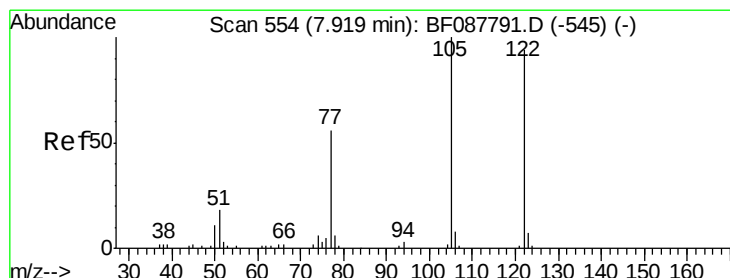
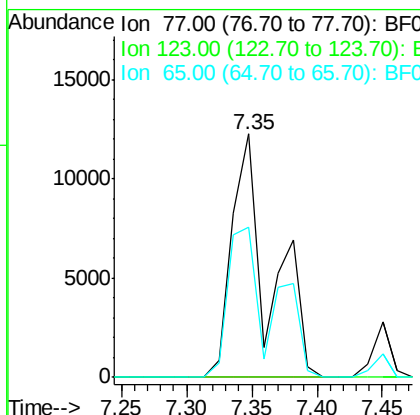
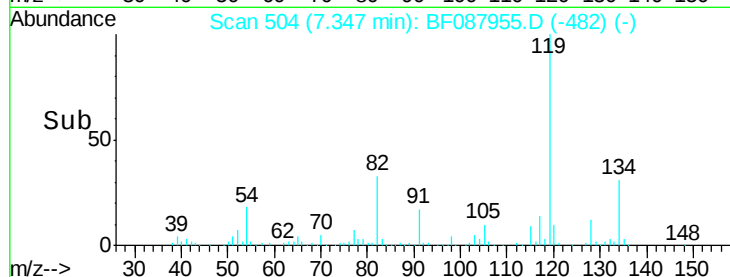
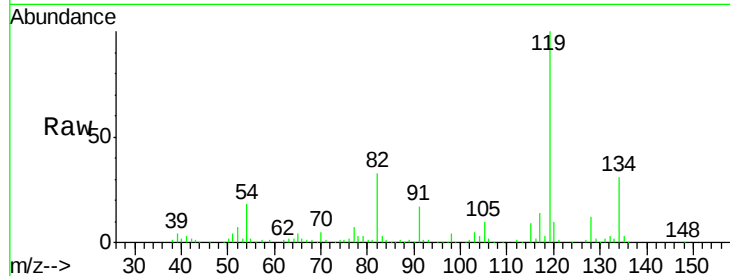




#24
 Nitrobenzene
 Concen: 3.07 ng
 RT: 7.35 min Scan# 504
 Delta R.T. -0.05 min
 Lab File: BF087955.D
 Acq: 12 Jun 2016 18:34

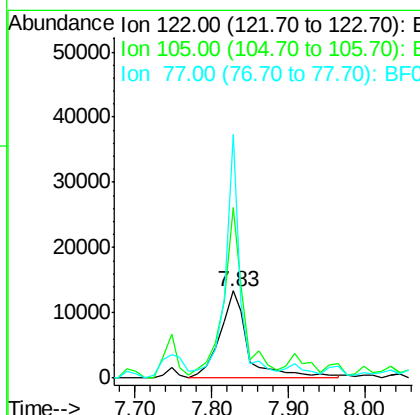
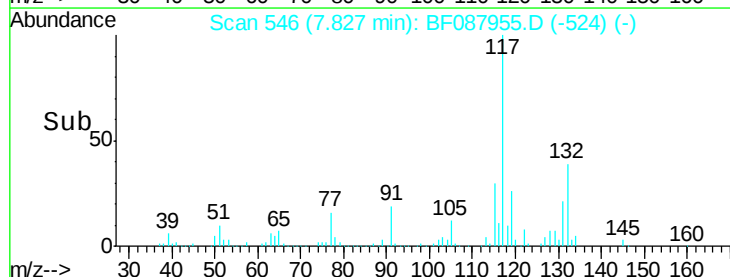
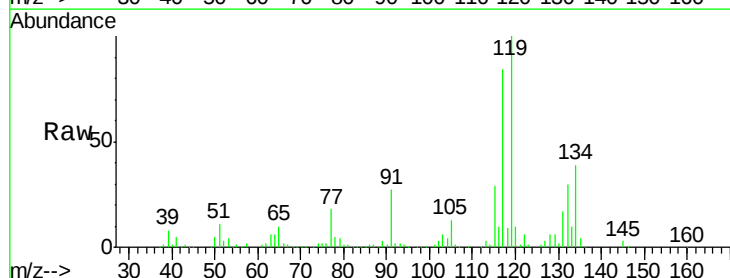
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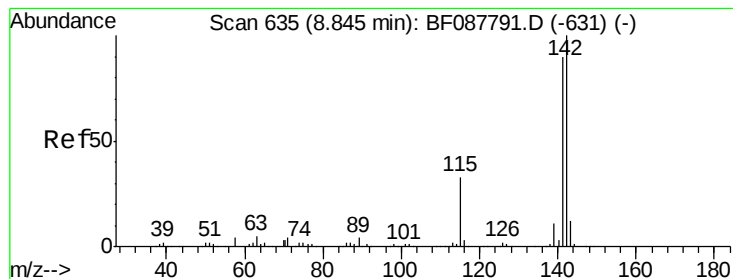
Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	45.0	67.4#
65	61.9	10.2	15.2#



#32
 Benzoic acid
 Concen: 8.03 ng
 RT: 7.83 min Scan# 546
 Delta R.T. -0.05 min
 Lab File: BF087955.D
 Acq: 12 Jun 2016 18:34

Tgt Ion	Ratio	Lower	Upper
122	100		
105	195.7	101.6	141.6#
77	279.8	70.6	110.6#

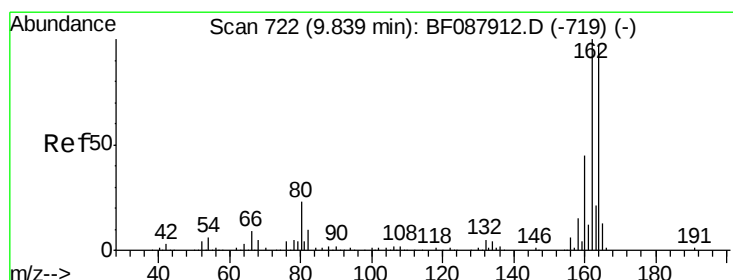
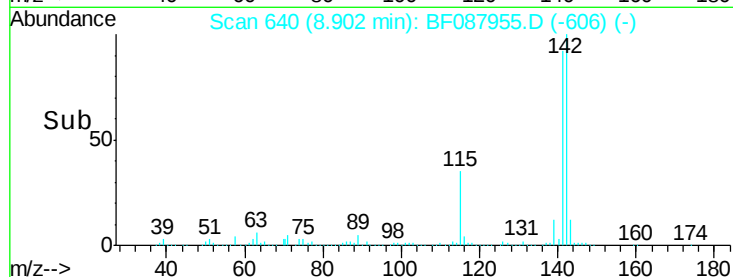
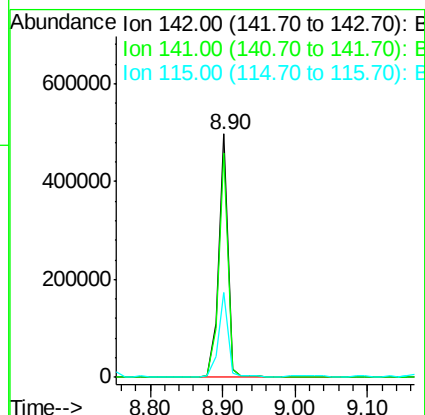
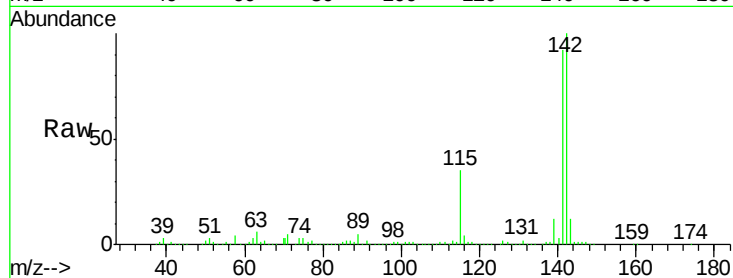




#37
 2-Methylnaphthalene
 Concen: 28.41 ng
 RT: 8.90 min Scan# 640
 Delta R.T. 0.09 min
 Lab File: BF087955.D
 Acq: 12 Jun 2016 18:34

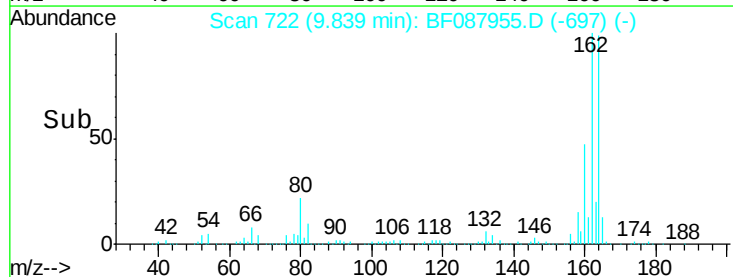
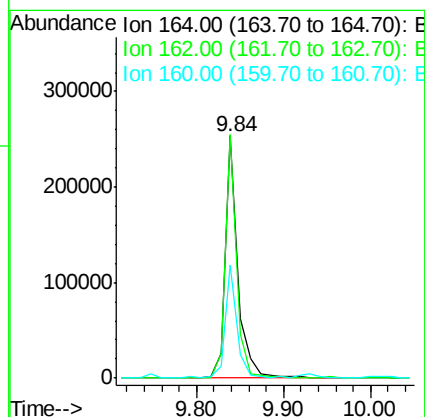
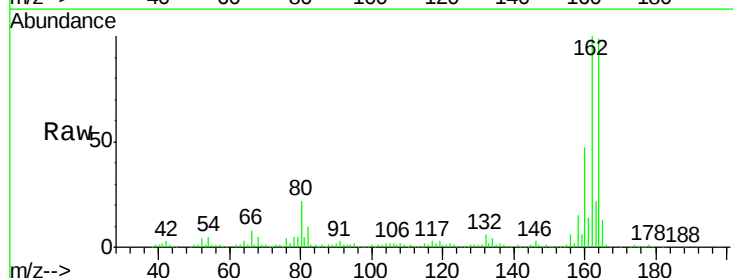
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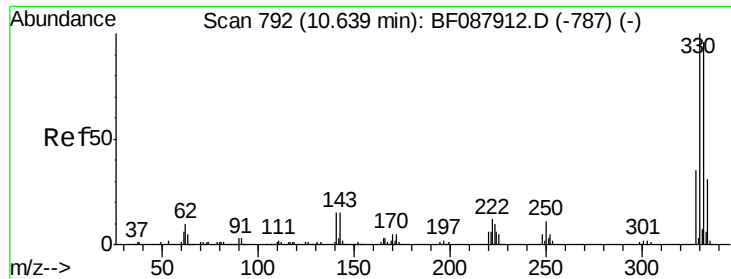
Tgt Ion:142 Resp: 444085
 Ion Ratio Lower Upper
 142 100
 141 92.4 71.0 106.6
 115 34.9 22.6 33.8#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: BF087955.D
 Acq: 12 Jun 2016 18:34

Tgt Ion:164 Resp: 256022
 Ion Ratio Lower Upper
 164 100
 162 100.6 85.4 128.2
 160 46.9 39.5 59.3

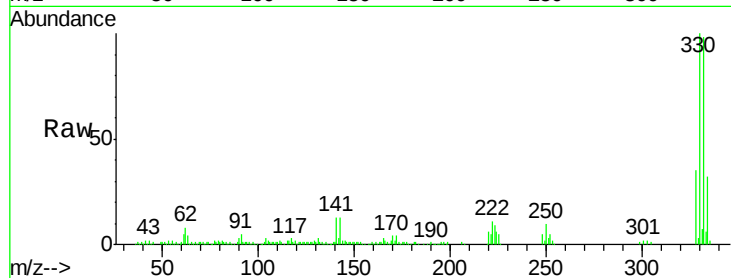




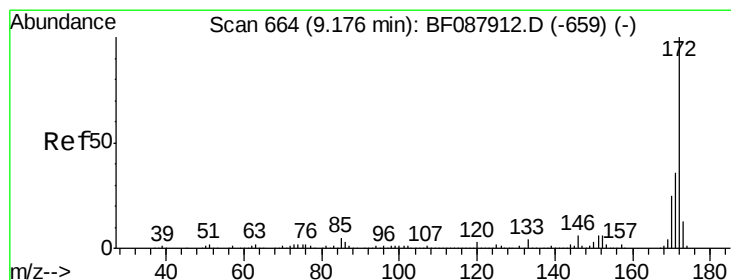
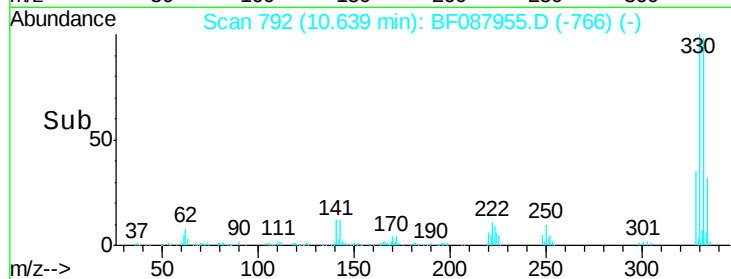
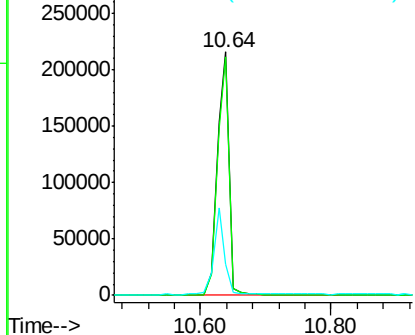
#41
 2,4,6-Tribromophenol
 Concen: 103.21 ng
 RT: 10.64 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: BF087955.D
 Acq: 12 Jun 2016 18:34

Instrument :
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Tgt Ion:330 Resp: 279021
 Ion Ratio Lower Upper
 330 100
 332 96.9 0.0 0.0#
 141 31.8 0.0 0.0#

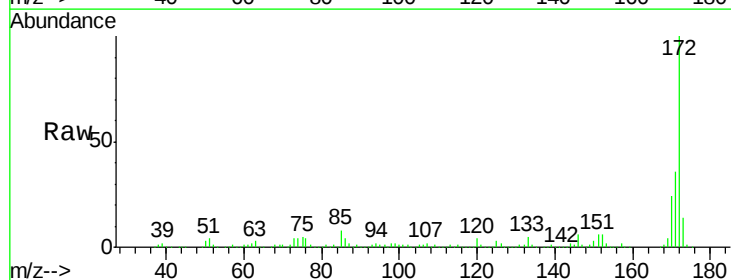


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

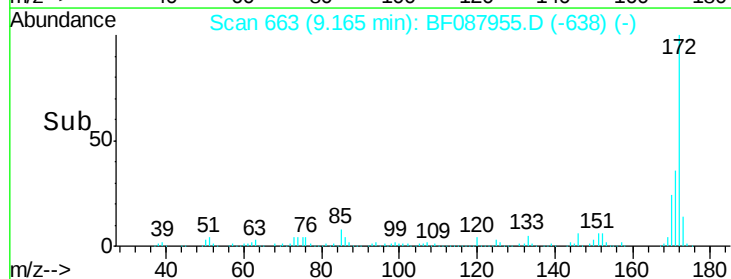
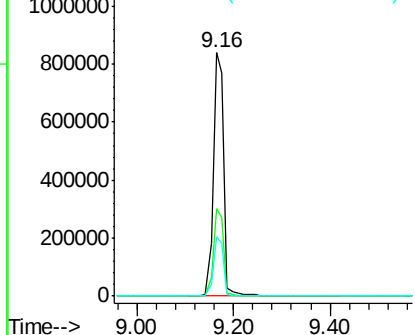


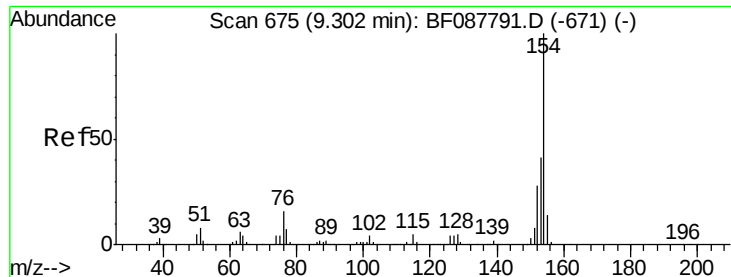
#44
 2-Fluorobiphenyl
 Concen: 78.68 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: BF087955.D
 Acq: 12 Jun 2016 18:34

Tgt Ion:172 Resp: 1289042
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 43.0
 170 24.3 19.2 28.8



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

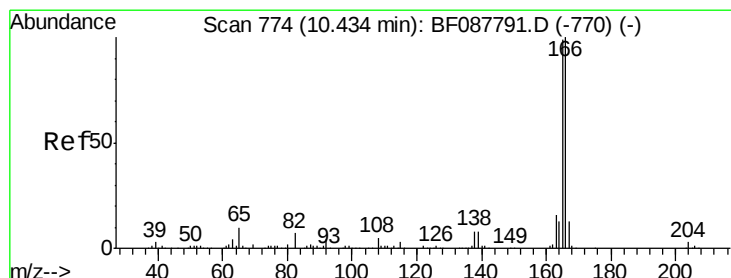
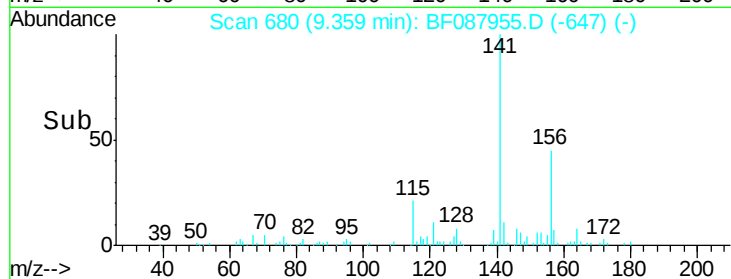
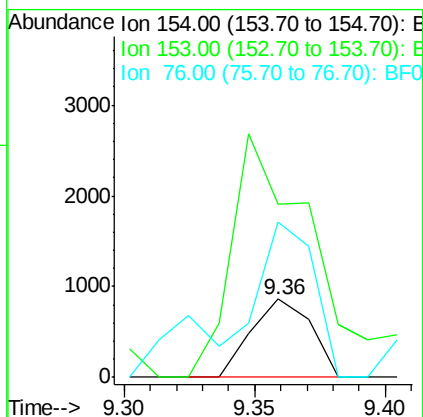
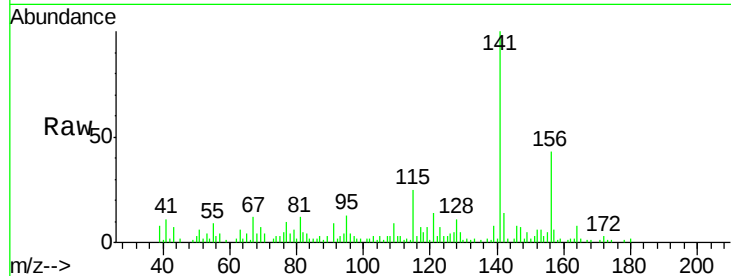




#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.36 min Scan# 680
Delta R.T. 0.08 min
Lab File: BF087955.D
Acq: 12 Jun 2016 18:34

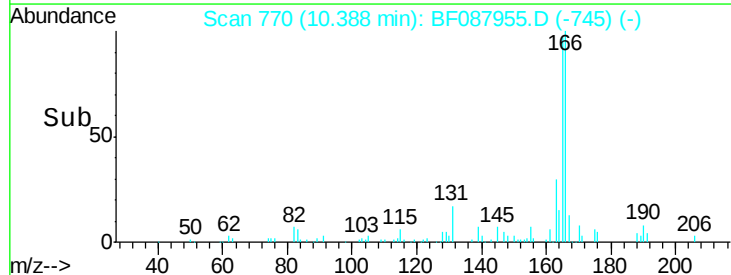
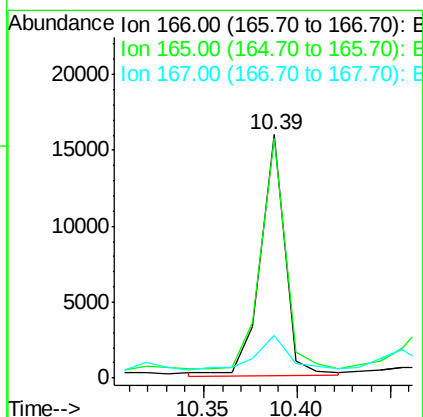
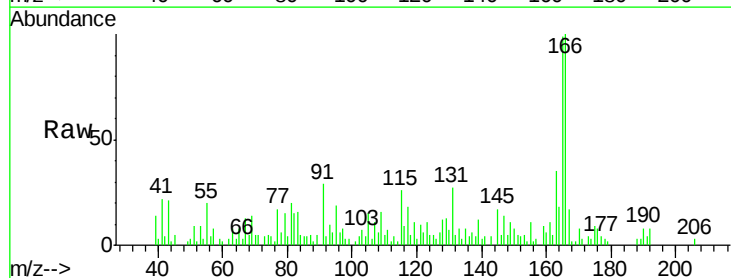
Instrument :
BNA_F
ClientSampleId :
W-04

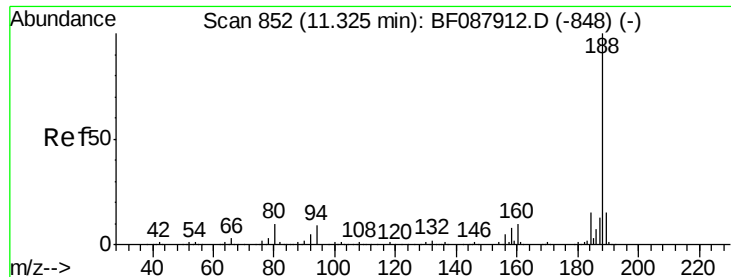
Tgt Ion:154 Resp: 1357
Ion Ratio Lower Upper
154 100
153 221.6 20.6 60.6#
76 198.3 0.0 35.1#



#57
Fluorene
Concen: Below Cal
RT: 10.39 min Scan# 770
Delta R.T. -0.01 min
Lab File: BF087955.D
Acq: 12 Jun 2016 18:34

Tgt Ion:166 Resp: 14532
Ion Ratio Lower Upper
166 100
165 98.5 77.8 116.8
167 17.5 11.2 16.8#

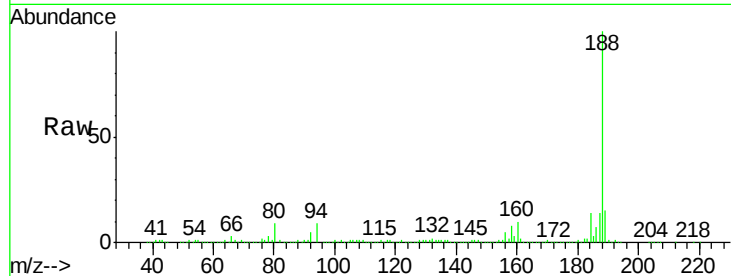




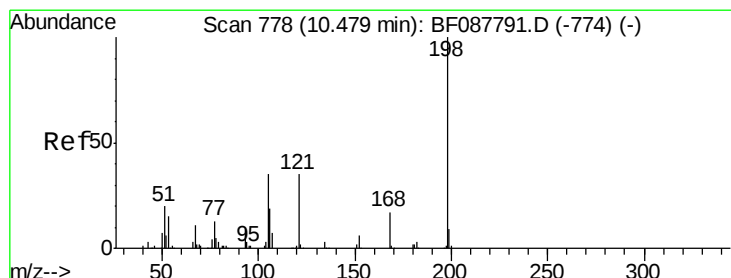
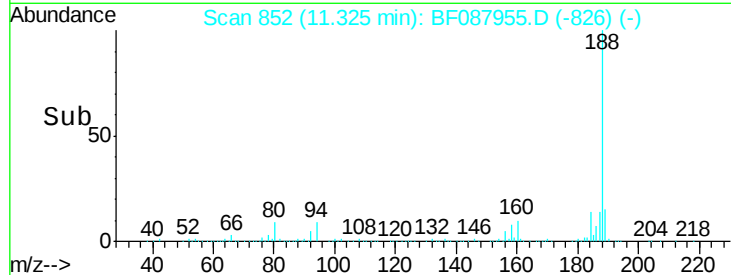
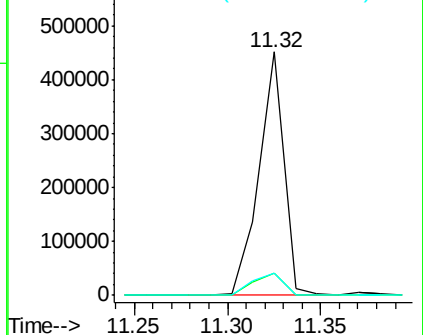
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.00 min
Lab File: BF087955.D
Acq: 12 Jun 2016 18:34

Instrument :
BNA_F
ClientSampleId :
W-04

Tgt Ion:188 Resp: 416744
Ion Ratio Lower Upper
188 100
94 9.1 9.0 13.6
80 9.0 10.0 15.0#

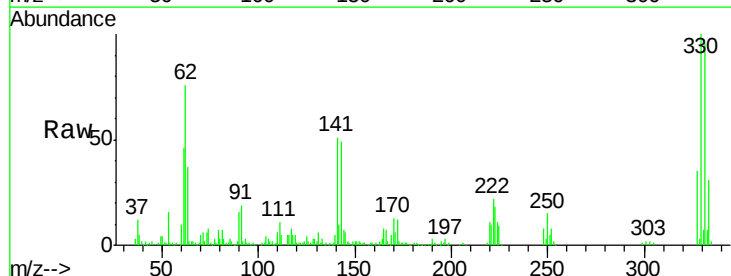


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

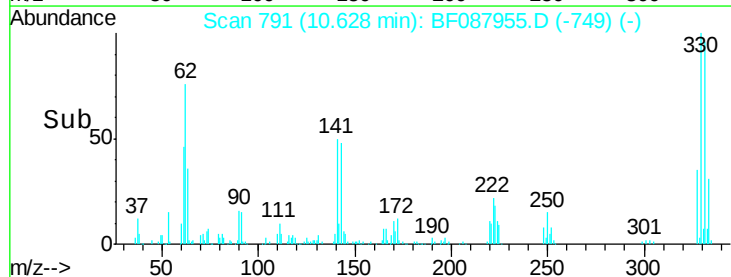
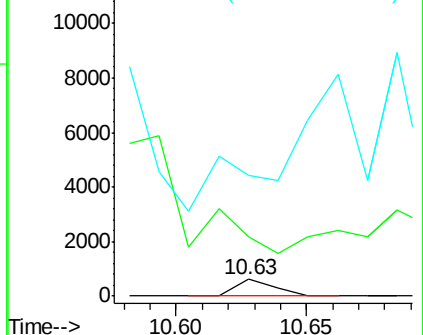


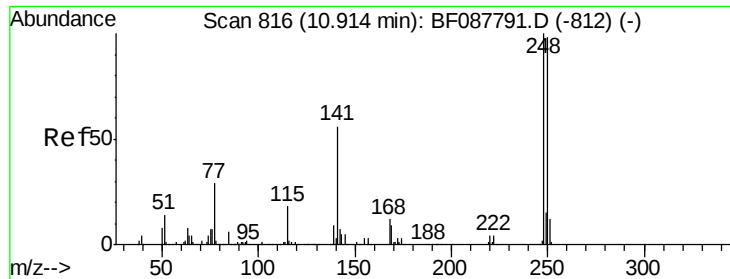
#64
4,6-Dinitro-2-methylphenol
Concen: 2.39 ng
RT: 10.63 min Scan# 791
Delta R.T. 0.18 min
Lab File: BF087955.D
Acq: 12 Jun 2016 18:34

Tgt Ion:198 Resp: 632
Ion Ratio Lower Upper
198 100
51 354.0 39.6 79.6#
105 725.5 36.6 76.6#



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

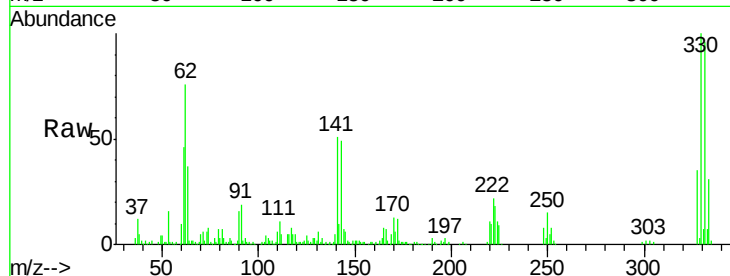




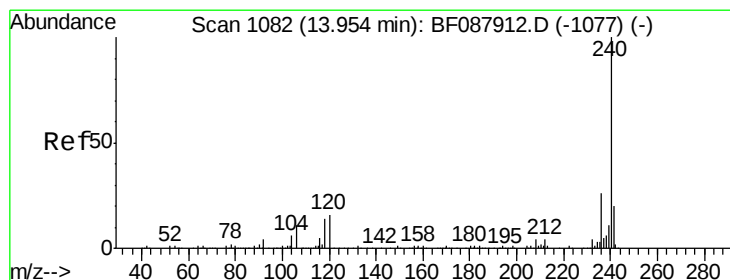
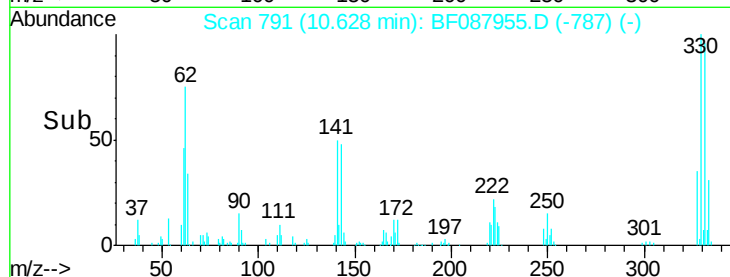
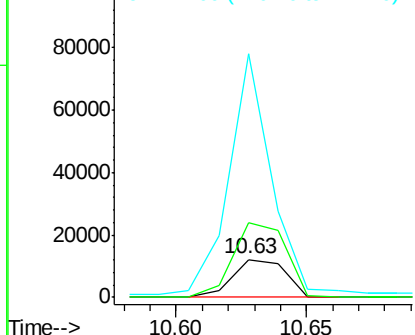
#66
4-Bromophenyl-phenylether
Concen: 3.83 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.25 min
Lab File: BF087955.D
Acq: 12 Jun 2016 18:34

Instrument :
BNA_F
ClientSampled :
W-04

Tgt Ion:248 Resp: 17115
Ion Ratio Lower Upper
248 100
250 195.3 77.1 115.7#
141 640.5 50.6 76.0#

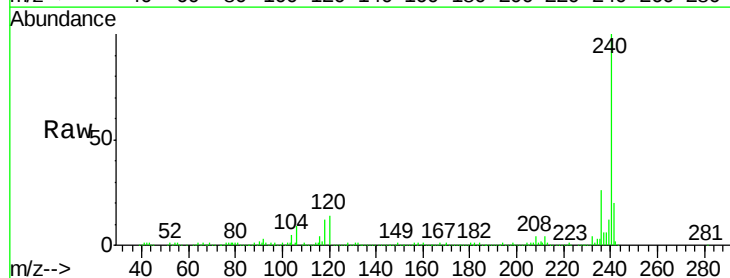


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

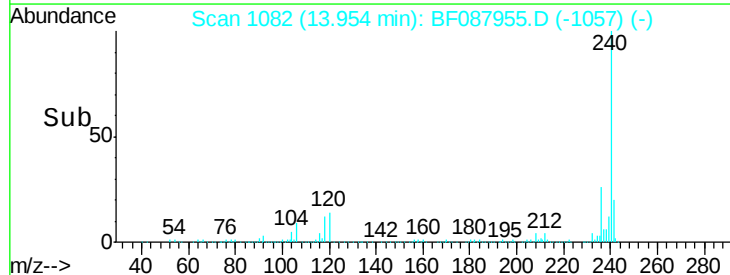
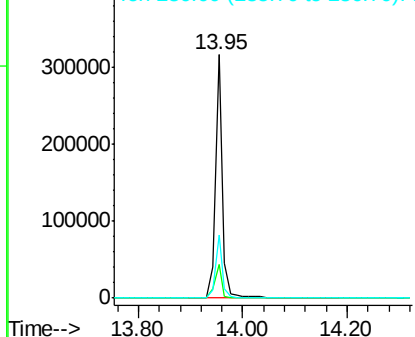


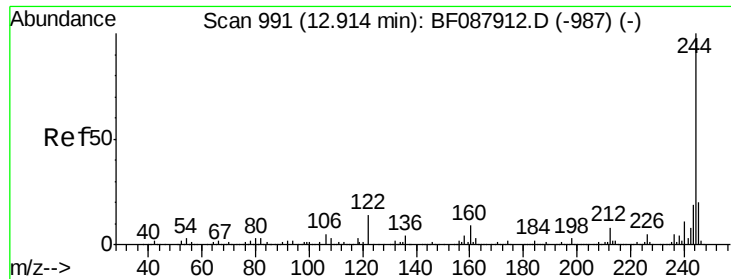
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1082
Delta R.T. -0.01 min
Lab File: BF087955.D
Acq: 12 Jun 2016 18:34

Tgt Ion:240 Resp: 293213
Ion Ratio Lower Upper
240 100
120 13.7 6.8 10.2#
236 25.8 20.2 30.2



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

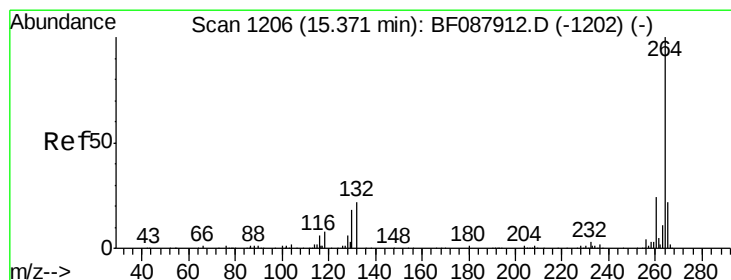
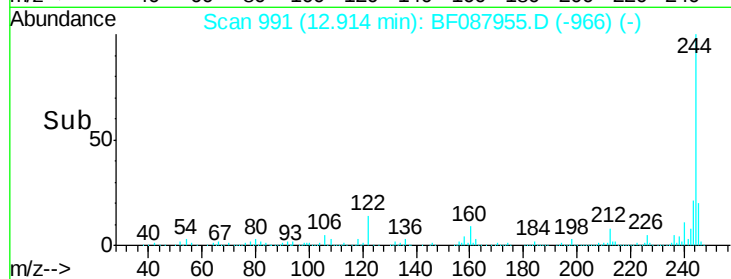
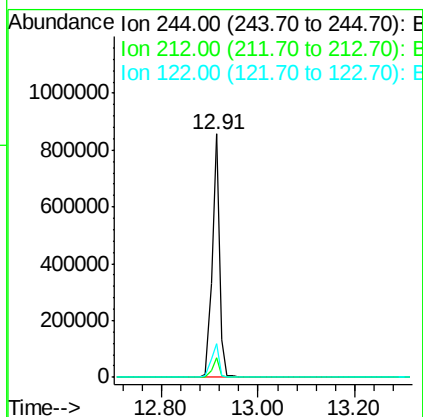
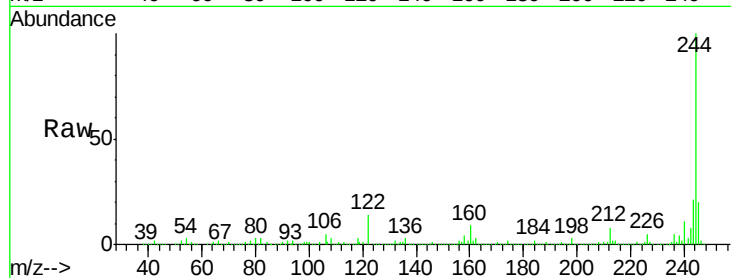




#78
 Terphenyl-d14
 Concen: 72.74 ng
 RT: 12.91 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: BF087955.D
 Acq: 12 Jun 2016 18:34

Instrument :
 BNA_F
 ClientSampleId :
 W-04

Tgt Ion:244 Resp: 937233
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.0 9.0
 122 13.7 11.2 16.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.37 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF087955.D
 Acq: 12 Jun 2016 18:34

Tgt Ion:264 Resp: 234325
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.2 28.8
 265 21.1 16.9 25.3

