

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020717\
 Data File : BF092838.D
 Acq On : 7 Feb 2017 19:51
 Operator : SJ/MA
 Sample : I1692-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-20-41-COMP

Quant Time: Feb 07 23:51:01 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

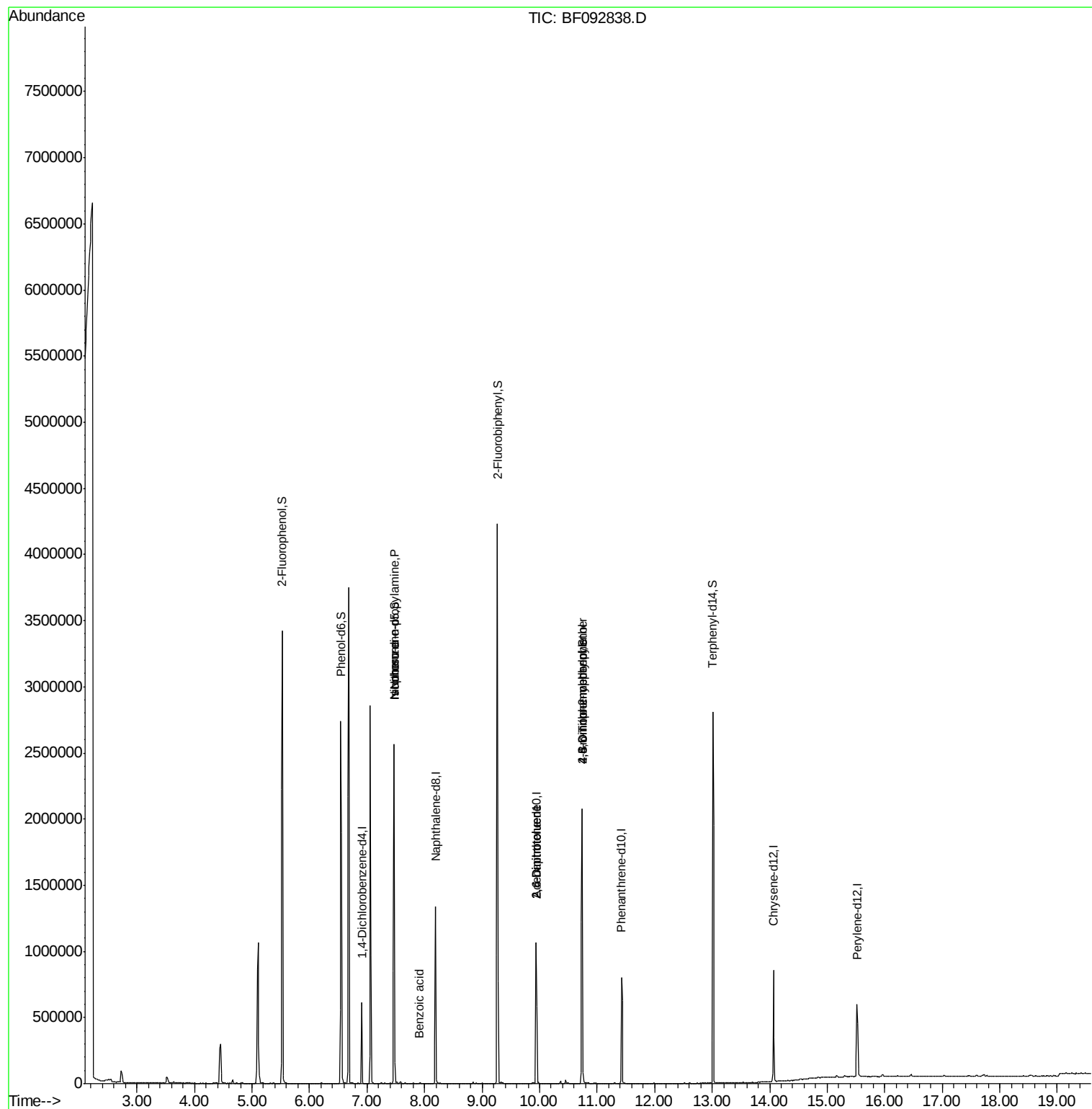
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	140107	20.00	ng	-0.06
21) Naphthalene-d8	8.19	136	590798	20.00	ng	-0.07
38) Acenaphthene-d10	9.94	164	284625	20.00	ng	-0.07
63) Phenanthrene-d10	11.42	188	410270	20.00	ng	-0.07
75) Chrysene-d12	14.07	240	315374	20.00	ng	-0.08
86) Perylene-d12	15.52	264	267170	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1132124	138.63	ng	-0.04
7) Phenol-d6	6.54	99	1309328	124.61	ng	-0.06
23) Nitrobenzene-d5	7.47	82	833694	78.58	ng	-0.07
41) 2,4,6-Tribromophenol	10.74	330	285974	138.92	ng	-0.07
44) 2-Fluorobiphenyl	9.26	172	1417015	90.19	ng	-0.07
78) Terphenyl-d14	13.01	244	1179420	87.87	ng	-0.07
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.47	70	109731	16.40	ng	# 81
25) Isophorone	7.47	82	825849	41.77	ng	# 65
32) Benzoic acid	7.92	122	683	7.28	ng	# 70
50) 2,6-Dinitrotoluene	9.94	165	35883	8.67	ng	# 31
56) 2,4-Dinitrotoluene	9.94	165	35885	6.51	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.74	198	639	2.91	ng	# 1
66) 4-Bromophenyl-phenylether	10.74	248	21574	5.03	ng	# 1

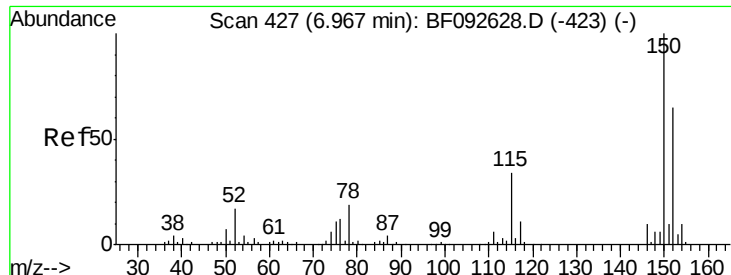
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.91 min Scan# 422

Delta R.T. -0.06 min

Lab File: BF092838.D

Acq: 7 Feb 2017 19:51

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-20-41-COMP

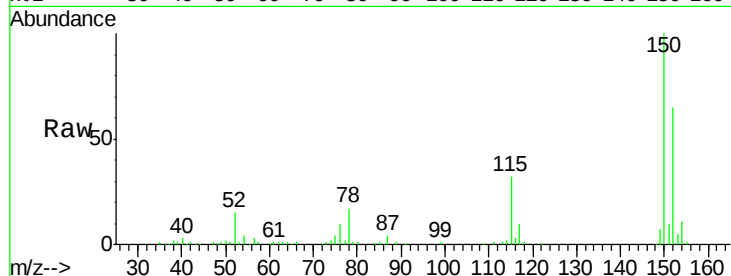
Tgt Ion:152 Resp: 140107

Ion Ratio Lower Upper

152 100

150 153.6 124.9 187.3

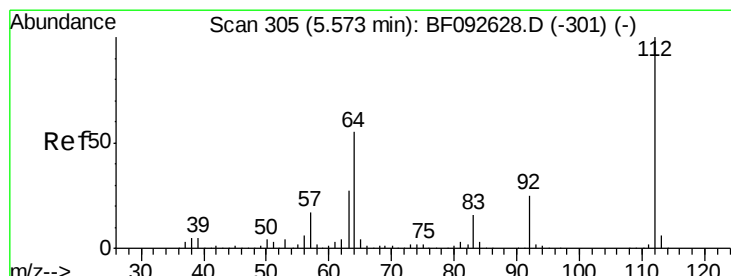
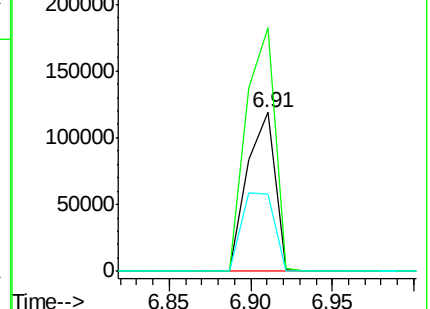
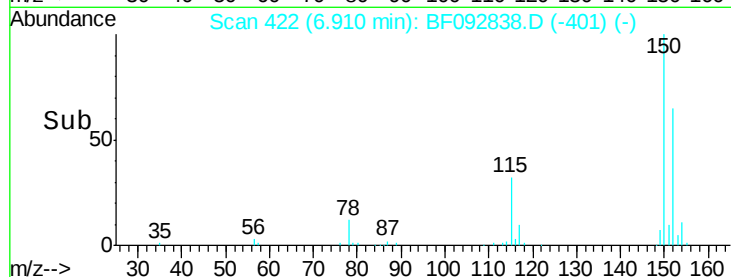
115 49.0 46.0 69.0



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: 138.63 ng

RT: 5.53 min Scan# 301

Delta R.T. -0.04 min

Lab File: BF092838.D

Acq: 7 Feb 2017 19:51

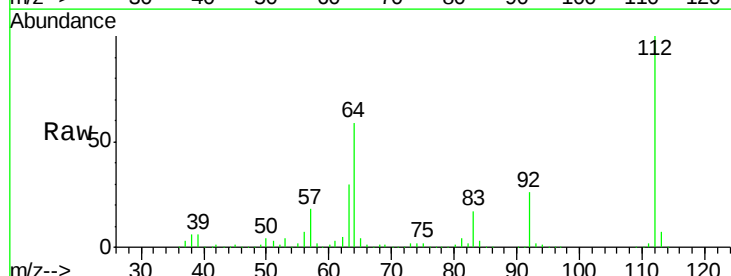
Tgt Ion:112 Resp: 1132124

Ion Ratio Lower Upper

112 100

64 59.4 46.1 69.1

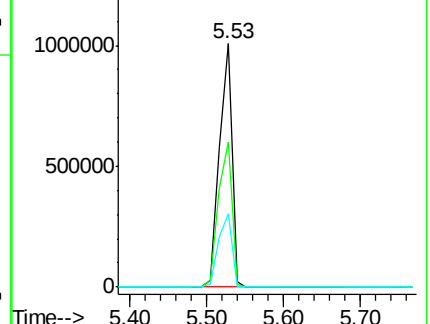
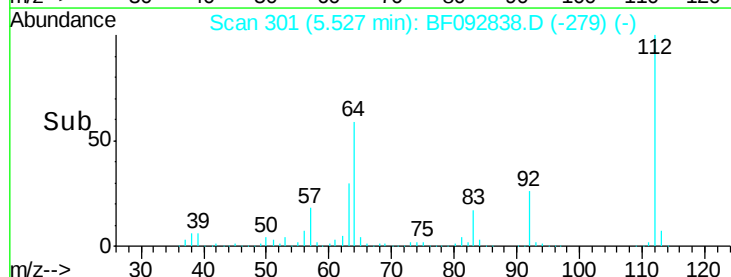
63 30.0 23.8 35.6



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: 124.61 ng

RT: 6.54 min Scan# 390

Delta R.T. -0.06 min

Lab File: BF092838.D

Acq: 7 Feb 2017 19:51

Instrument :

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ROLL-OFF-20-41-COMP

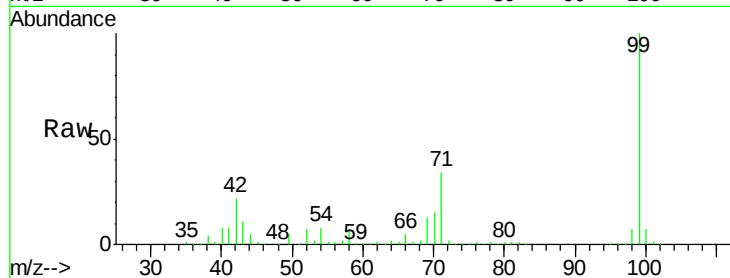
Tgt Ion: 99 Resp: 1309328

Ion Ratio Lower Upper

99 100

42 21.5 15.6 23.4

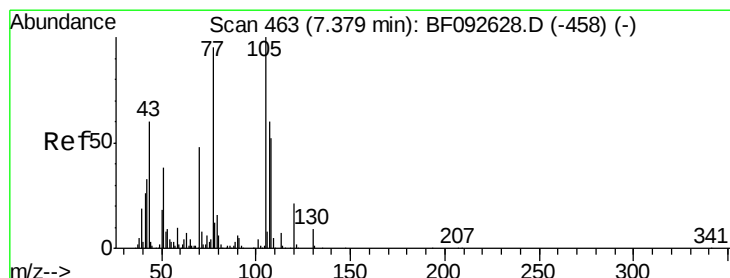
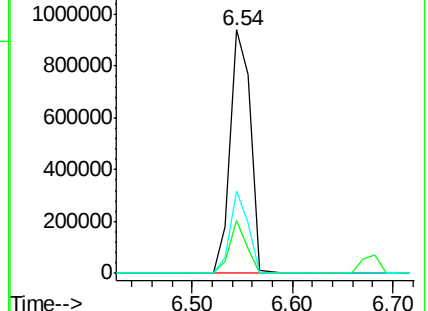
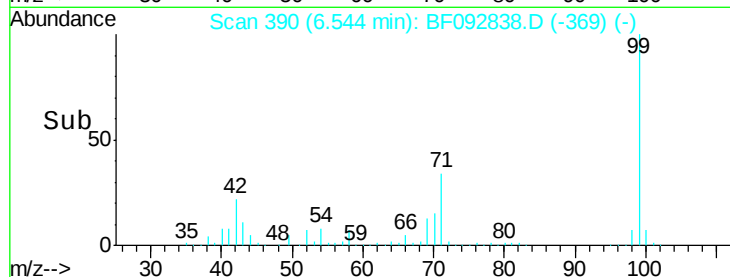
71 33.7 27.5 41.3



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: 7.47 min Scan# 471

Delta R.T. 0.09 min

Lab File: BF092838.D

Acq: 7 Feb 2017 19:51

Tgt Ion: 70 Resp: 109731

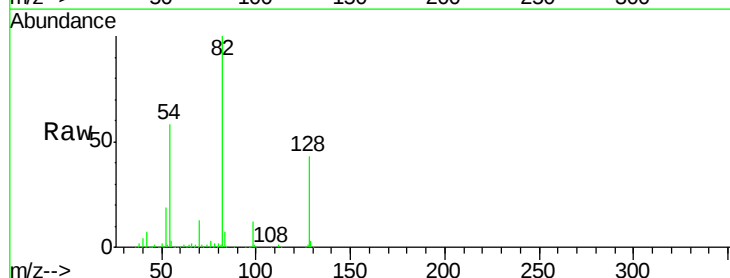
Ion Ratio Lower Upper

70 100

42 52.0 49.4 74.0

101 0.0 7.4 11.2#

130 2.3 14.2 21.4#

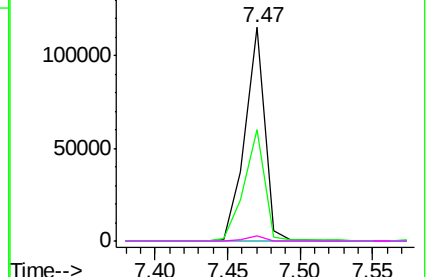
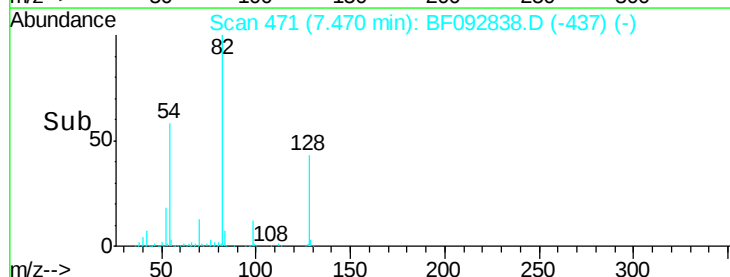


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

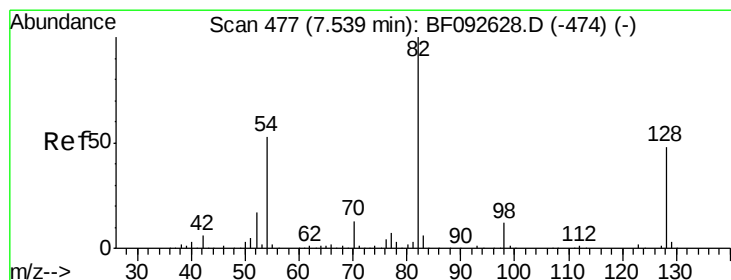
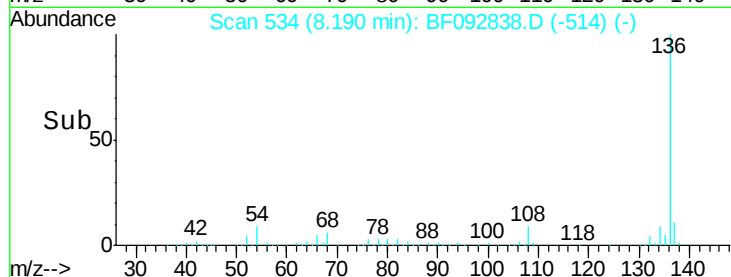
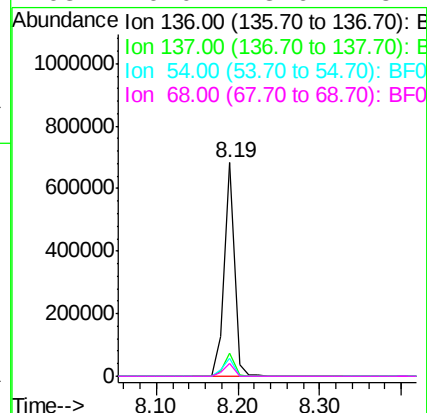
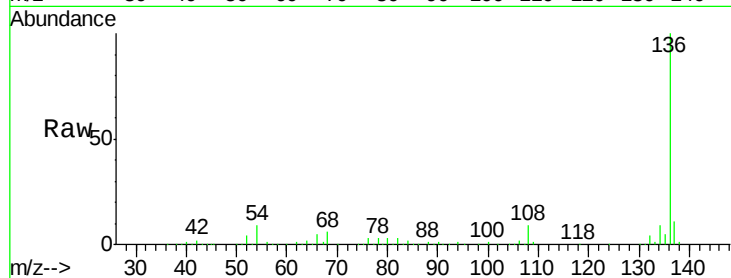




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. -0.07 min
Lab File: BF092838.D
Acq: 7 Feb 2017 19:51

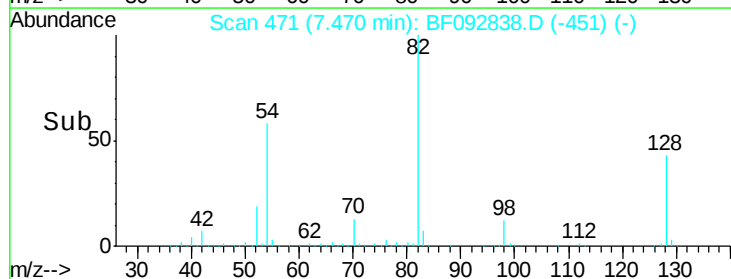
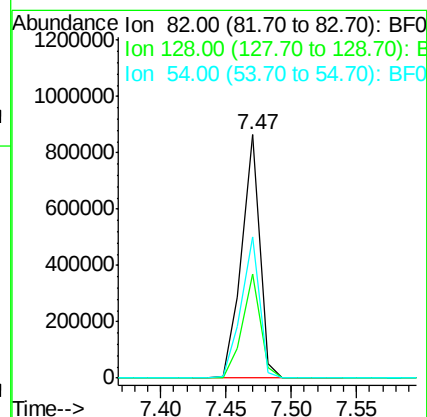
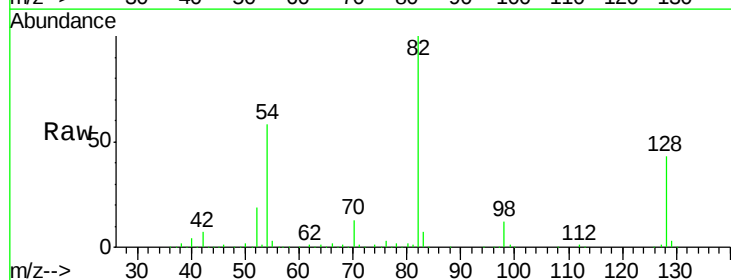
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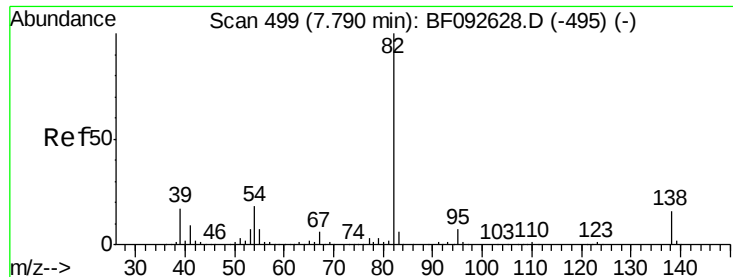
Tgt Ion:	136	Resp:	590798
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	8.7	4.5	6.7#
68	6.0	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 78.58 ng
RT: 7.47 min Scan# 471
Delta R.T. -0.07 min
Lab File: BF092838.D
Acq: 7 Feb 2017 19:51

Tgt Ion:	82	Resp:	833694
Ion	Ratio	Lower	Upper
82	100		
128	42.9	34.6	52.0
54	58.2	39.5	59.3





#25

Isophorone

Concen: 41.77 ng

RT: 7.47 min Scan# 471

Delta R.T. -0.32 min

Lab File: BF092838.D

Acq: 7 Feb 2017 19:51

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-20-41-COMP

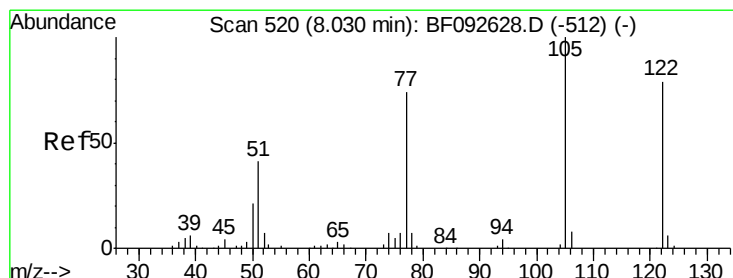
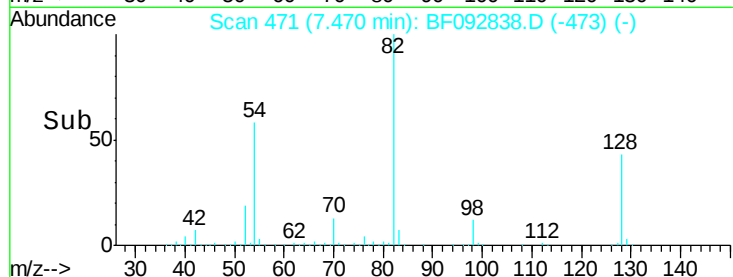
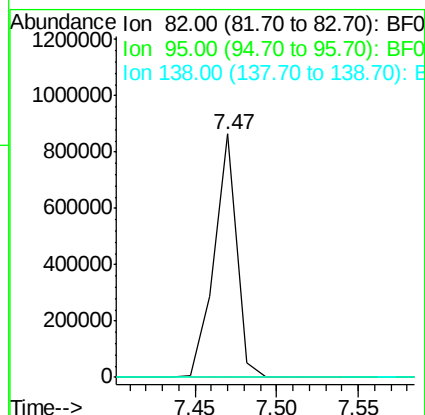
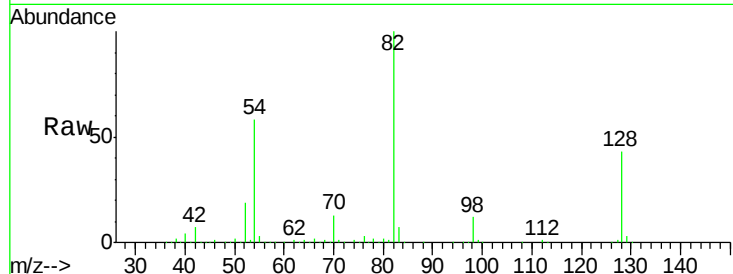
Tgt Ion: 82 Resp: 825849

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



#32

Benzoic acid

Concen: 7.28 ng

RT: 7.92 min Scan# 510

Delta R.T. -0.11 min

Lab File: BF092838.D

Acq: 7 Feb 2017 19:51

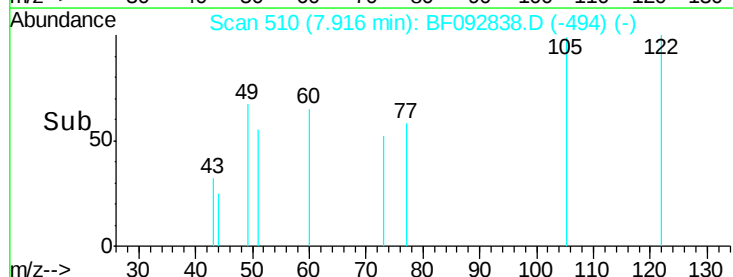
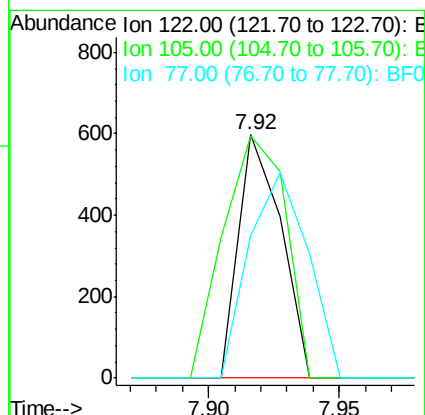
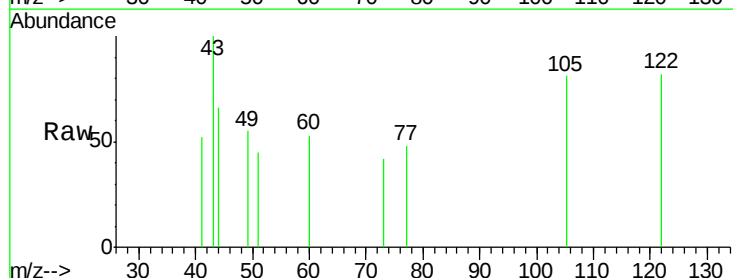
Tgt Ion: 122 Resp: 683

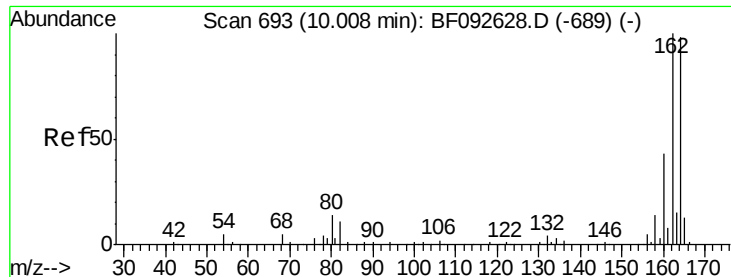
Ion Ratio Lower Upper

122 100

105 99.5 107.2 147.2#

77 58.4 74.5 114.5#

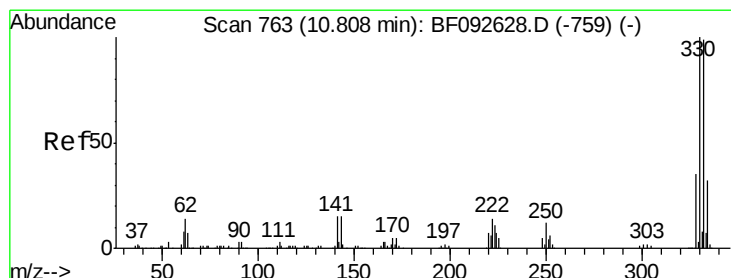
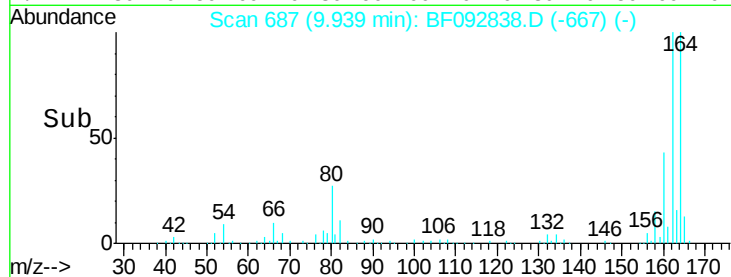
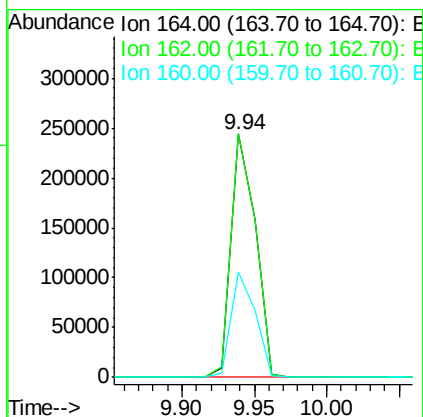
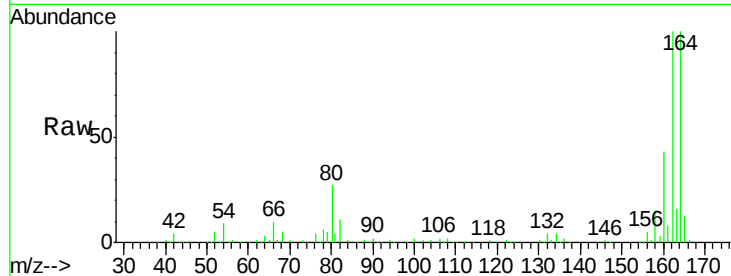




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.07 min
Lab File: BF092838.D
Acq: 7 Feb 2017 19:51

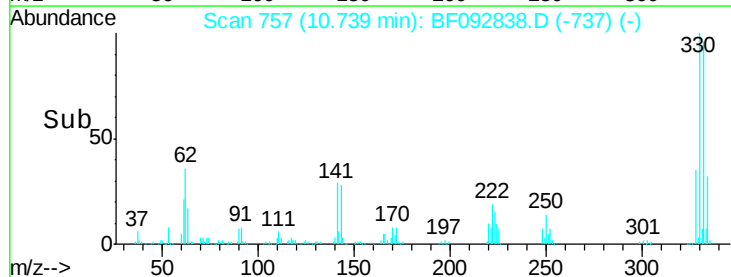
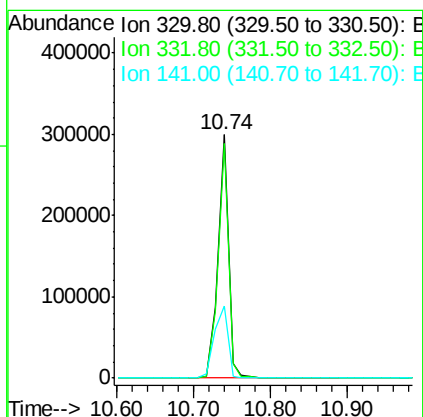
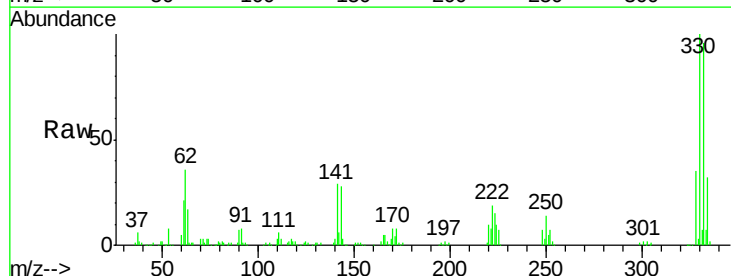
Instrument :
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Tgt Ion:164 Resp: 284625
Ion Ratio Lower Upper
164 100
162 100.1 80.2 120.2
160 43.2 36.9 55.3



#41
2,4,6-Tribromophenol
Concen: 138.92 ng
RT: 10.74 min Scan# 757
Delta R.T. -0.07 min
Lab File: BF092838.D
Acq: 7 Feb 2017 19:51

Tgt Ion:330 Resp: 285974
Ion Ratio Lower Upper
330 100
332 96.6 77.4 116.2
141 37.9 34.1 51.1

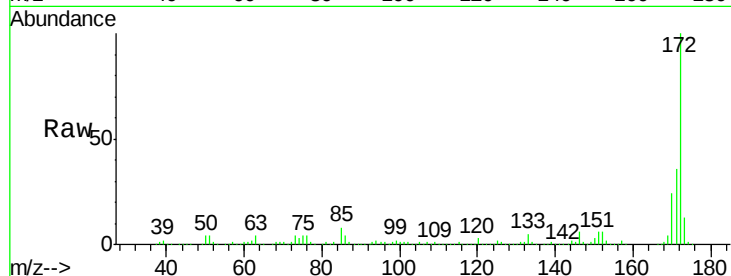




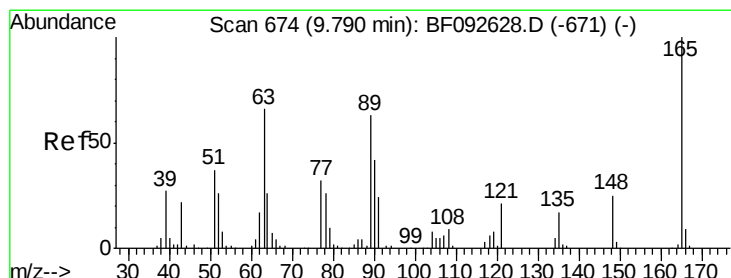
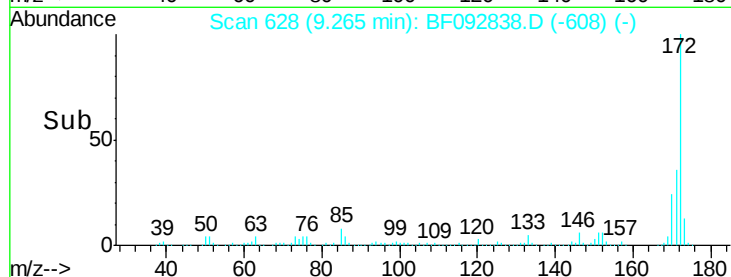
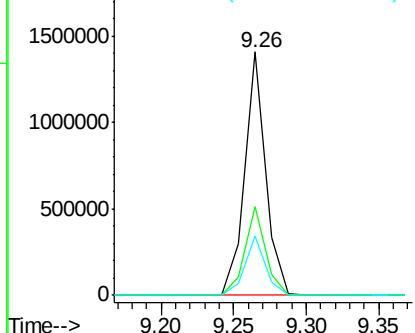
#44
 2-Fluorobiphenyl
 Concen: 90.19 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.07 min
 Lab File: BF092838.D
 Acq: 7 Feb 2017 19:51

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-20-41-COMP

Tgt Ion:172 Resp: 1417015
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.4 44.0
 170 24.2 20.2 30.4

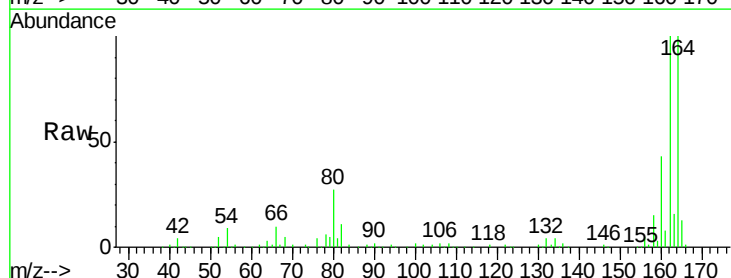


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

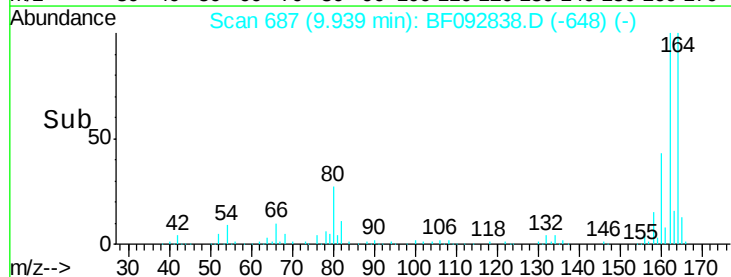
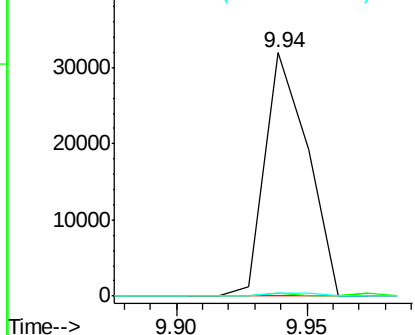


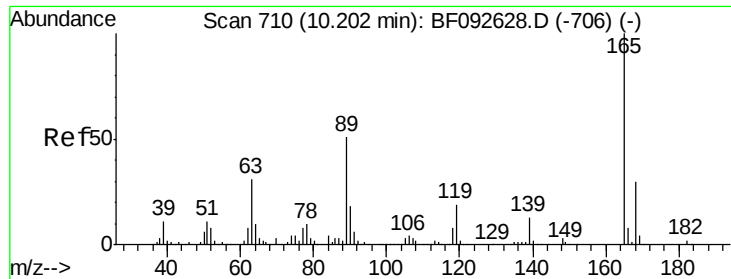
#50
 2,6-Dinitrotoluene
 Concen: 8.67 ng
 RT: 9.94 min Scan# 687
 Delta R.T. 0.15 min
 Lab File: BF092838.D
 Acq: 7 Feb 2017 19:51

Tgt Ion:165 Resp: 35883
 Ion Ratio Lower Upper
 165 100
 63 1.4 36.2 54.4#
 89 1.1 40.2 60.4#



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





#56

2,4-Dinitrotoluene

Concen: 6.51 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.26 min

Lab File: BF092838.D

Acq: 7 Feb 2017 19:51

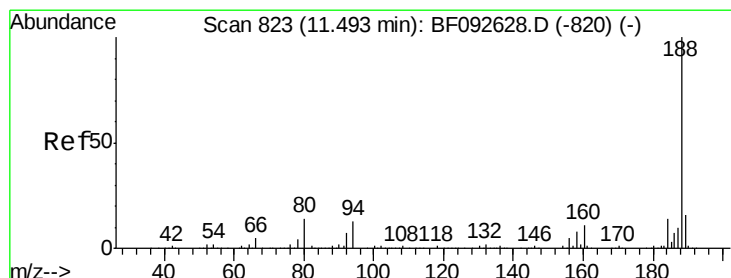
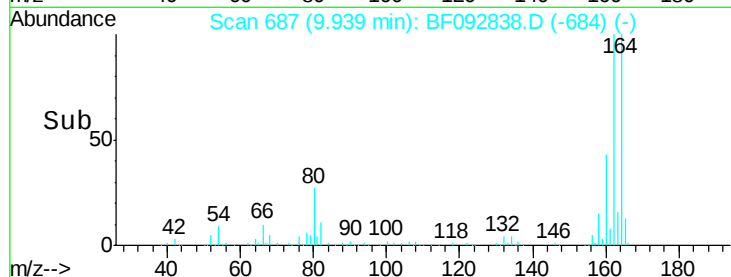
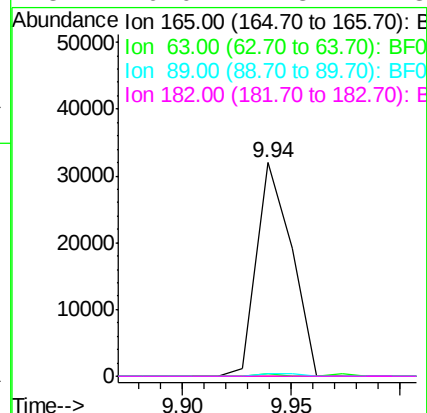
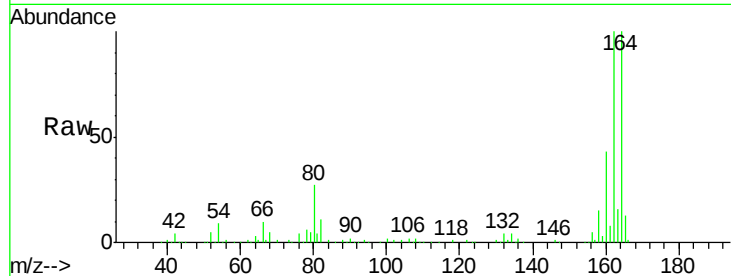
Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-20-41-COMP

Tgt Ion:	165	Resp:	35885
Ion	Ratio	Lower	Upper
165	100		
63	1.4	40.2	60.4#
89	1.1	62.5	93.7#
182	0.0	1.8	2.8#



#63

Phenanthrene-d10

Concen: 20.00 ng

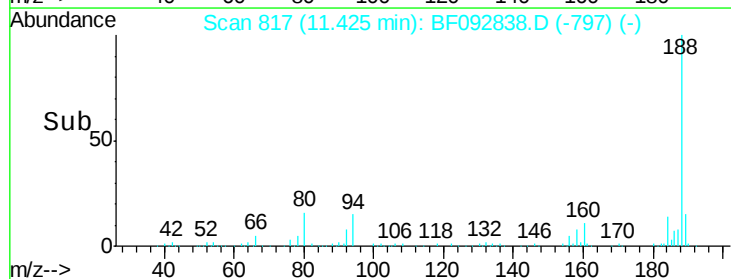
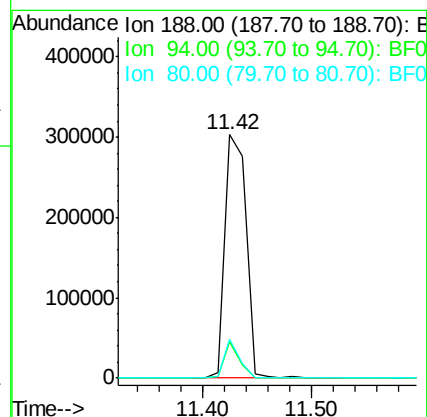
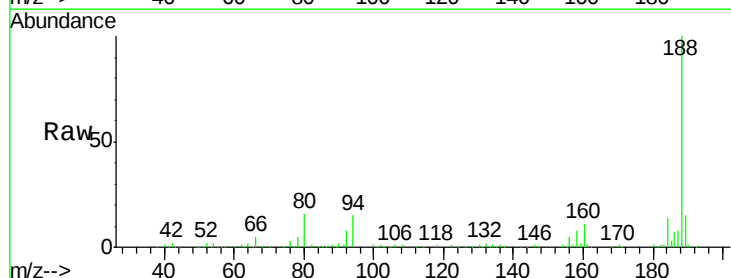
RT: 11.42 min Scan# 817

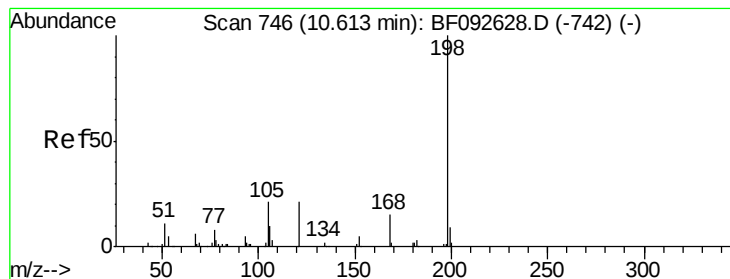
Delta R.T. -0.07 min

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Tgt Ion:	188	Resp:	410270
Ion	Ratio	Lower	Upper
188	100		
94	14.7	10.0	15.0
80	15.8	11.2	16.8





#64

4,6-Dinitro-2-methylphenol

Concen: 2.91 ng

RT: 10.74 min Scan# 757

Delta R.T. 0.13 min

Lab File: BF092838.D

Acq: 7 Feb 2017 19:51

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-20-41-COMP

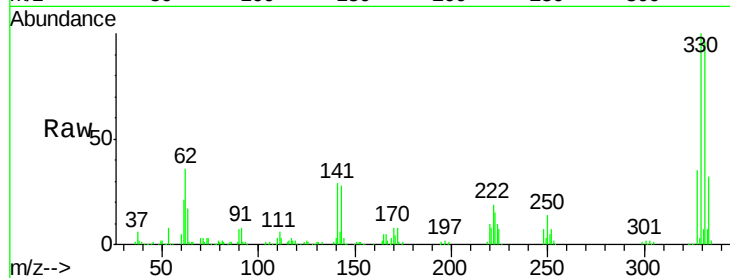
Tgt Ion:198 Resp: 639

Ion Ratio Lower Upper

198 100

51 165.9 6.7 46.7#

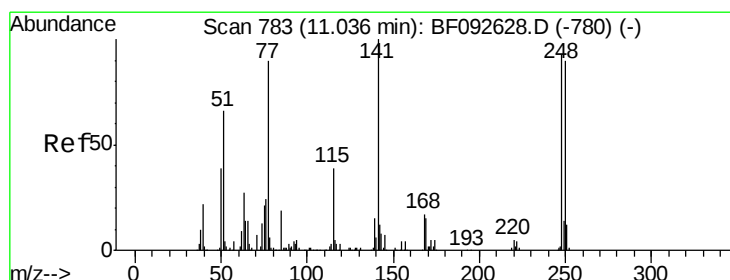
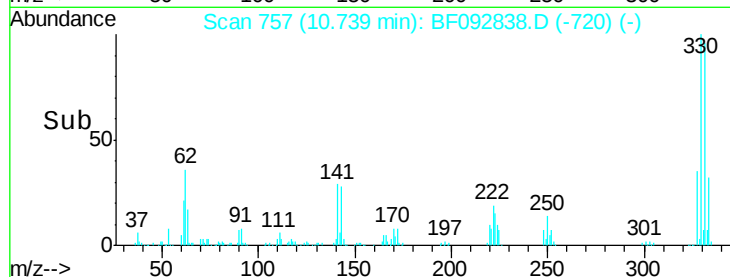
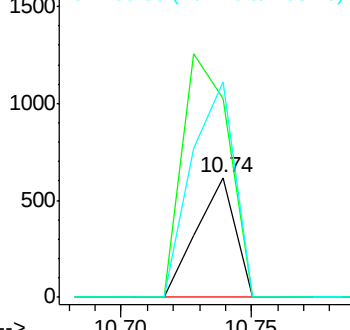
105 180.0 16.6 56.6#



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: 5.03 ng

RT: 10.74 min Scan# 757

Delta R.T. -0.30 min

Lab File: BF092838.D

Acq: 7 Feb 2017 19:51

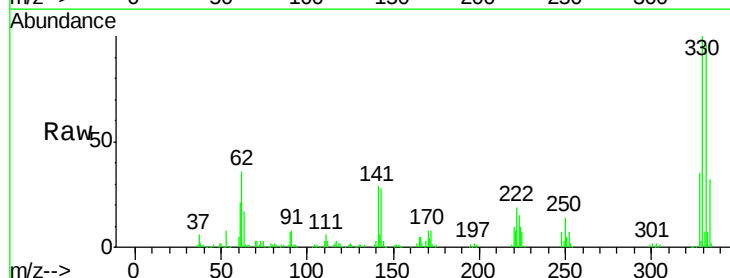
Tgt Ion:248 Resp: 21574

Ion Ratio Lower Upper

248 100

250 202.4 76.9 115.3#

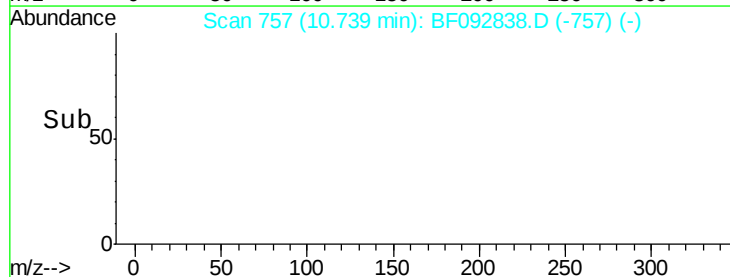
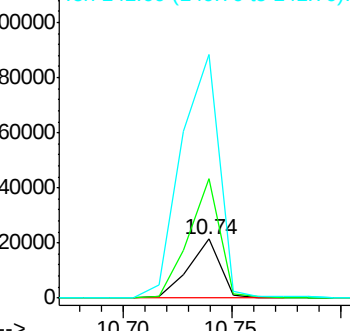
141 414.6 68.2 102.4#

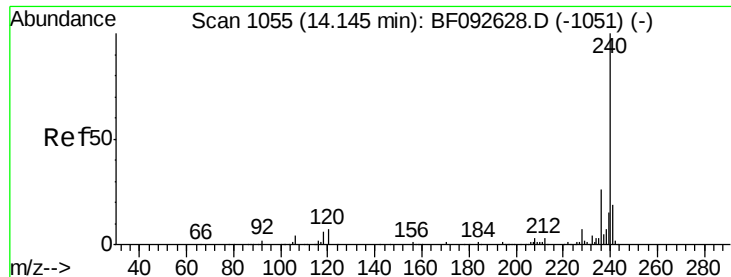


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.07 min Scan# 1048

Delta R.T. -0.08 min

Lab File: BF092838.D

Acq: 7 Feb 2017 19:51

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-20-41-COMP

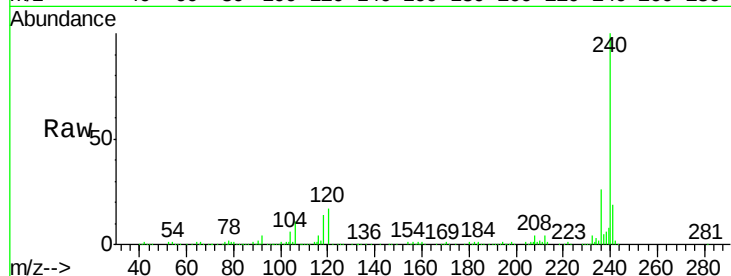
Tgt Ion:240 Resp: 315374

Ion Ratio Lower Upper

240 100

120 16.8 12.9 19.3

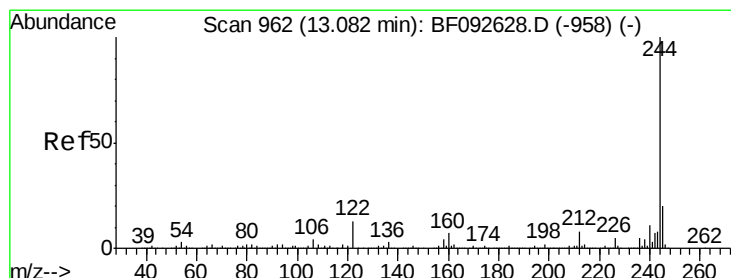
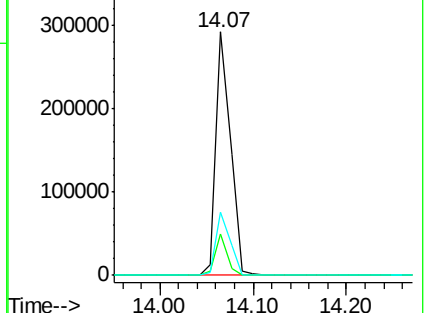
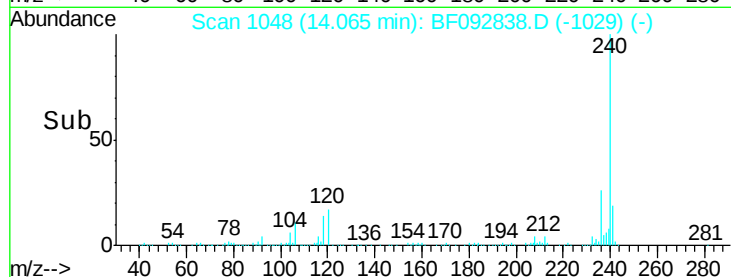
236 25.9 20.9 31.3



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: 87.87 ng

RT: 13.01 min Scan# 956

Delta R.T. -0.07 min

Lab File: BF092838.D

Acq: 7 Feb 2017 19:51

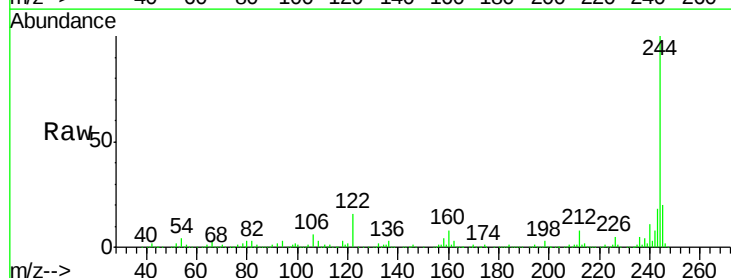
Tgt Ion:244 Resp: 1179420

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

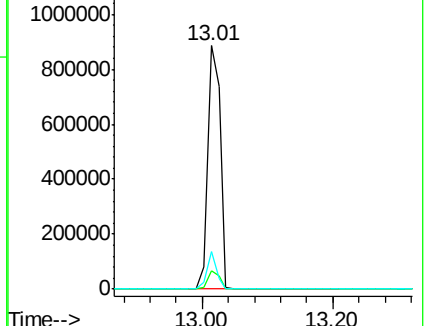
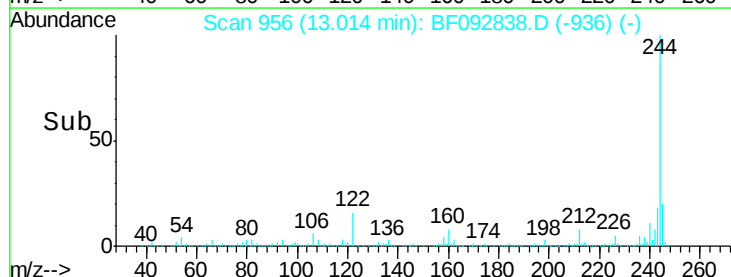
122 15.7 11.4 17.2

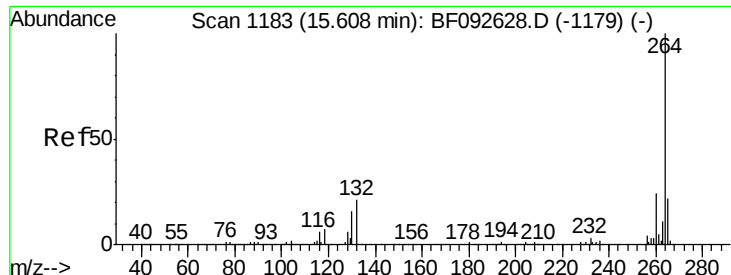


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.52 min Scan# 1175
Delta R.T. -0.09 min
Lab File: BF092838.D
Acq: 7 Feb 2017 19:51

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-20-41-COMP

Tgt Ion: 264 Resp: 267170
Ion Ratio Lower Upper
264 100
260 24.8 19.2 28.8
265 21.7 17.4 26.0

