

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011617\
 Data File : BF092296.D
 Acq On : 16 Jan 2017 20:28
 Operator : UM/SJ
 Sample : I1197-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-38

Quant Time: Jan 17 00:45:55 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	205324	20.00	ng	-0.08
21) Naphthalene-d8	7.84	136	877147	20.00	ng	-0.09
38) Acenaphthene-d10	9.59	164	474880	20.00	ng	-0.09
63) Phenanthrene-d10	11.07	188	711658	20.00	ng	-0.09
75) Chrysene-d12	13.70	240	701310	20.00	ng	-0.09
86) Perylene-d12	15.05	264	527722	20.00	ng	-0.10

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.15	112	946665	76.98	ng	-0.09
7) Phenol-d6	6.22	99	758441	50.52	ng	-0.09
23) Nitrobenzene-d5	7.14	82	1396650	88.54	ng	-0.08
41) 2,4,6-Tribromophenol	10.39	330	497694	126.64	ng	-0.08
44) 2-Fluorobiphenyl	8.93	172	2395809	106.66	ng	-0.08
78) Terphenyl-d14	12.66	244	2385109	82.48	ng	-0.09

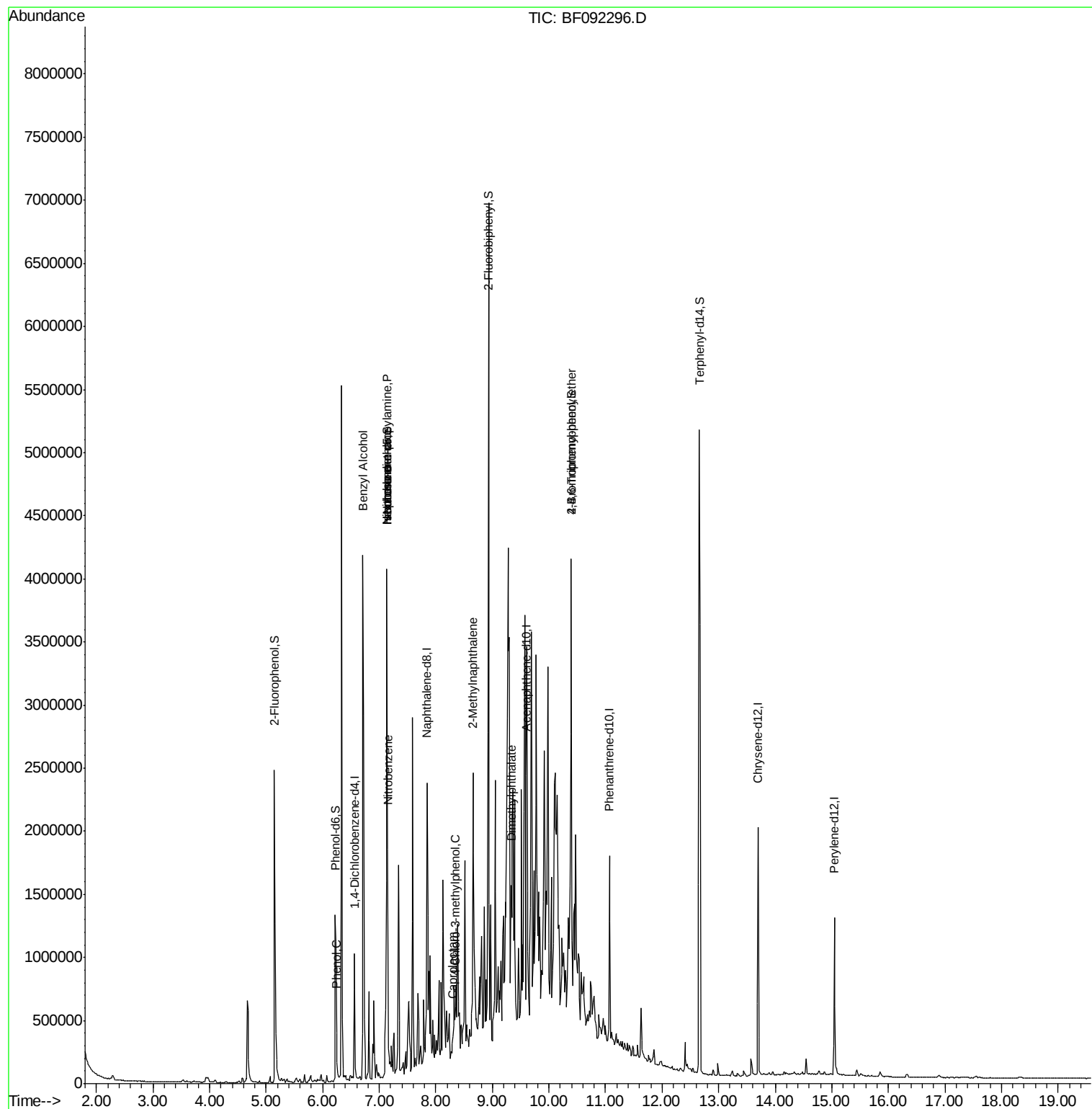
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.14	77	1204	Below Cal	#	77
10) Phenol	6.24	94	35784	2.09	ng	87
15) Benzyl Alcohol	6.71	79	25259	2.17	ng	46
18) Hexachloroethane	7.14	117	284548	50.50	ng	4
19) n-Nitroso-di-n-propylamine	7.14	70	190777	19.10	ng	78
24) Nitrobenzene	7.15	77	56808	3.38	ng	27
25) Isophorone	7.14	82	1375336	47.26	ng	65
35) Caprolactam	8.29	113	7703	2.01	ng	1
36) 4-Chloro-3-methylphenol	8.34	107	46595	3.48	ng	25
37) 2-Methylnaphthalene	8.66	142	713162	25.21	ng	97
49) Dimethylphthalate	9.33	163	112418	3.70	ng	86
66) 4-Bromophenyl-phenylether	10.39	248	32618	4.41	ng	1
71) Anthracene	11.15	178	753	Below Cal	#	1
73) Di-n-butylphthalate	11.65	149	16012	Below Cal	#	90
74) Fluoranthene	12.45	202	212	Below Cal	#	61
76) Benzydine	12.66	184	30497	Below Cal	#	93

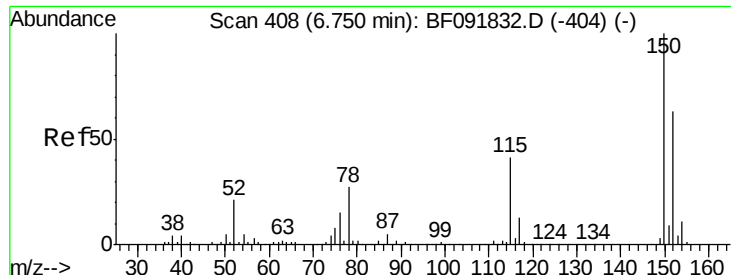
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 418

Delta R.T. -0.08 min

Lab File: BF092296.D

Acq: 16 Jan 2017 20:28

Instrument :

BNA_F

ClientSampleId :

W-38

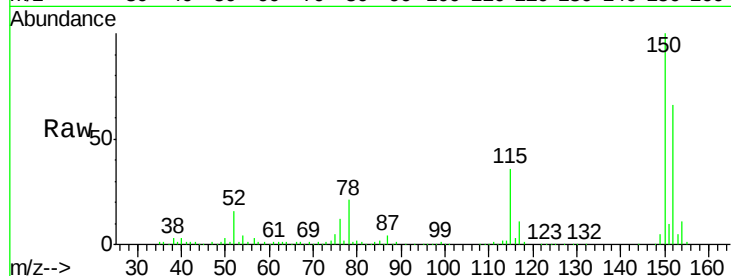
Tgt Ion:152 Resp: 205324

Ion Ratio Lower Upper

152 100

150 152.0 124.9 187.3

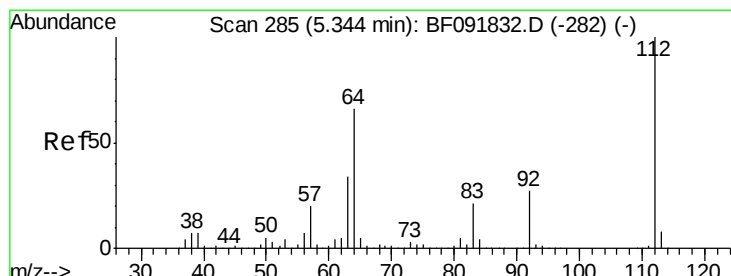
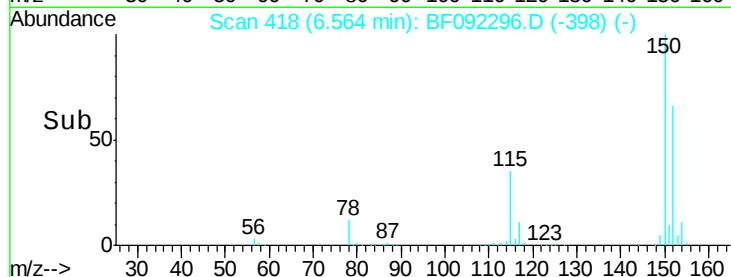
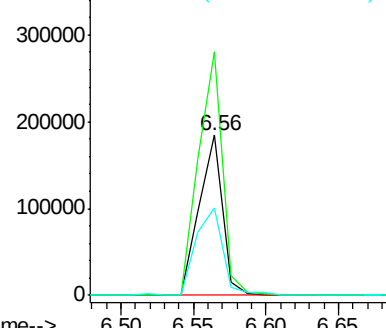
115 55.0 46.0 69.0



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: 76.98 ng

RT: 5.15 min Scan# 294

Delta R.T. -0.09 min

Lab File: BF092296.D

Acq: 16 Jan 2017 20:28

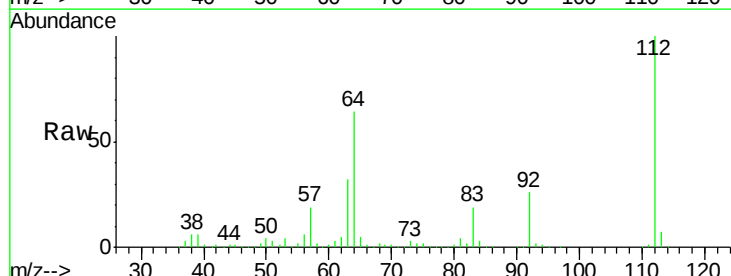
Tgt Ion:112 Resp: 946665

Ion Ratio Lower Upper

112 100

64 64.3 46.1 69.1

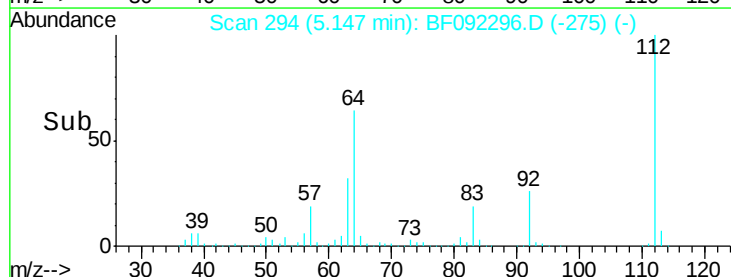
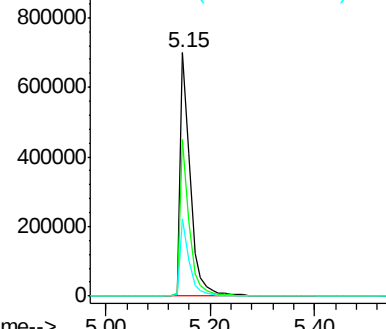
63 31.8 23.8 35.6

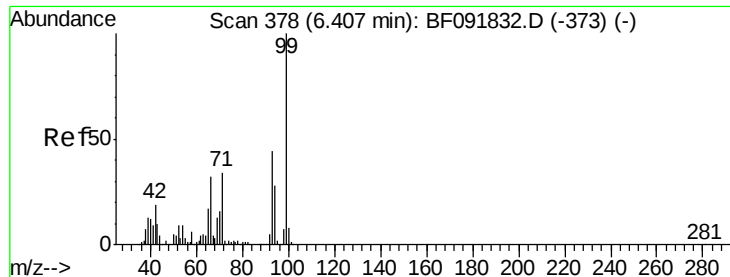


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 50.52 ng

RT: 6.22 min Scan# 388

Delta R.T. -0.09 min

Lab File: BF092296.D

Acq: 16 Jan 2017 20:28

Instrument :

BNA_F

ClientSampleId :

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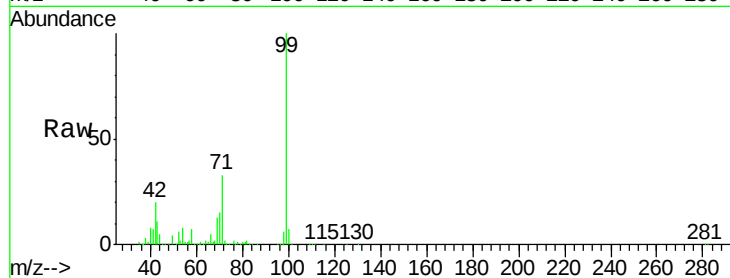
Tgt Ion: 99 Resp: 758441

Ion Ratio Lower Upper

99 100

42 20.3 15.6 23.4

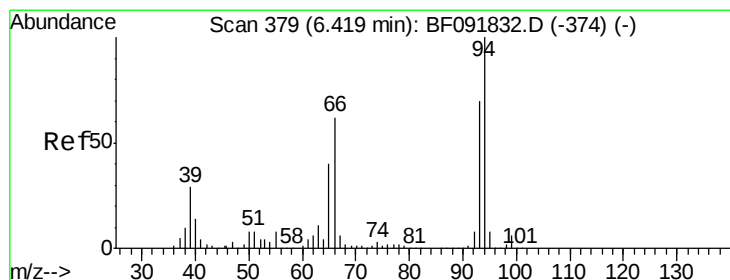
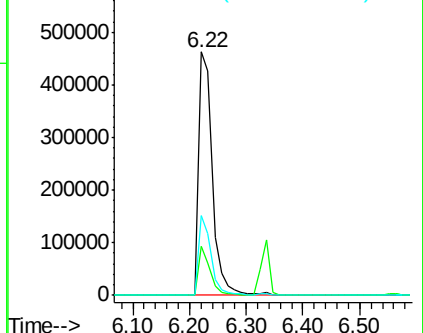
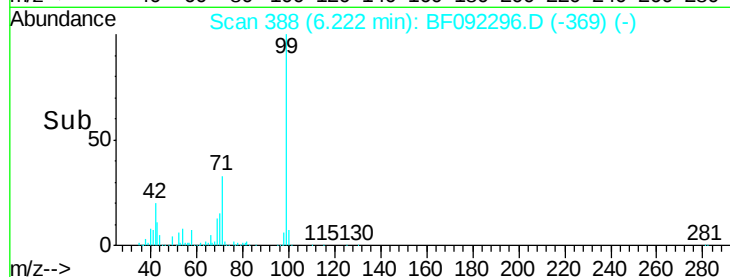
71 33.0 27.5 41.3



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



#10

Phenol

Concen: 2.09 ng

RT: 6.24 min Scan# 390

Delta R.T. -0.08 min

Lab File: BF092296.D

Acq: 16 Jan 2017 20:28

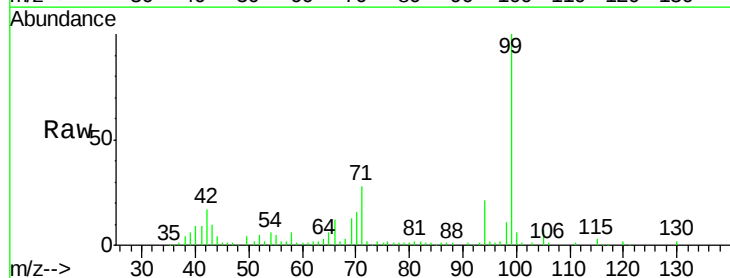
Tgt Ion: 94 Resp: 35784

Ion Ratio Lower Upper

94 100

65 30.3 21.4 61.4

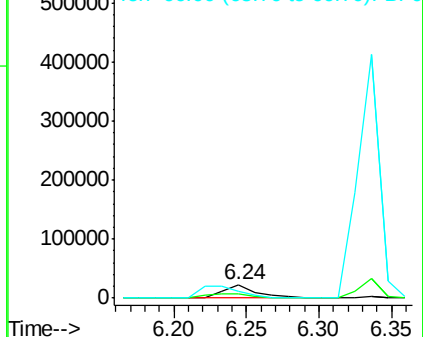
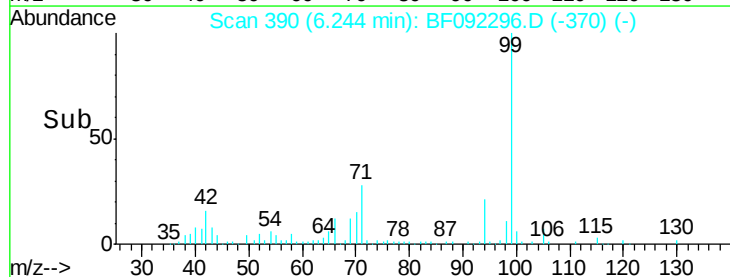
66 56.1 44.0 84.0

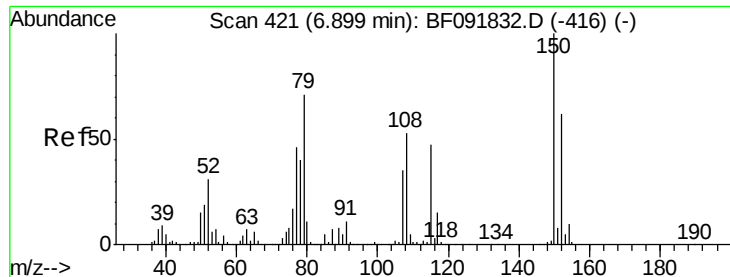


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.17 ng

RT: 6.71 min Scan# 431

Delta R.T. -0.09 min

Lab File: BF092296.D

Acq: 16 Jan 2017 20:28

Instrument :

BNA_F

ClientSampleId :

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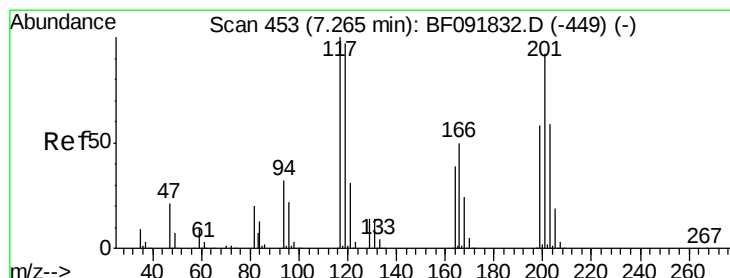
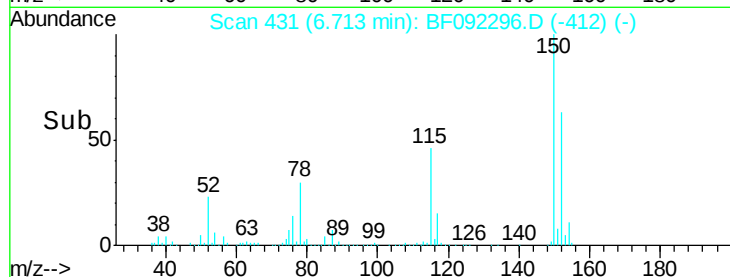
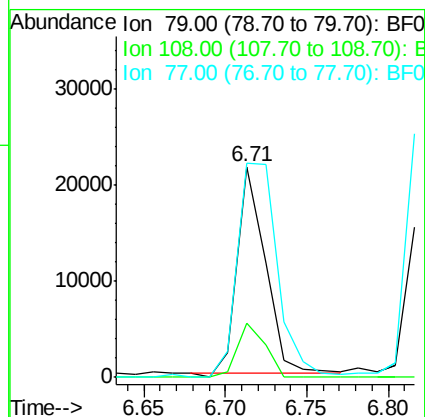
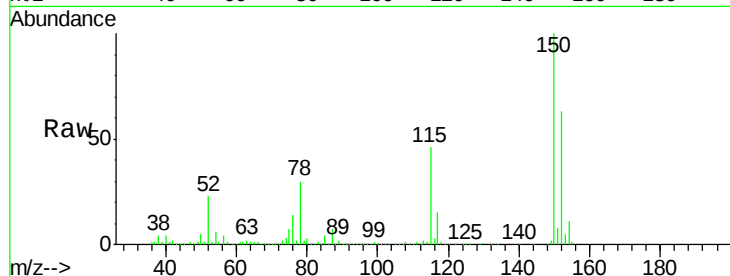
Tgt Ion: 79 Resp: 25259

Ion Ratio Lower Upper

79 100

108 26.0 61.4 92.0#

77 101.9 50.9 76.3#



#18

Hexachloroethane

Concen: 50.50 ng

RT: 7.14 min Scan# 468

Delta R.T. -0.02 min

Lab File: BF092296.D

Acq: 16 Jan 2017 20:28

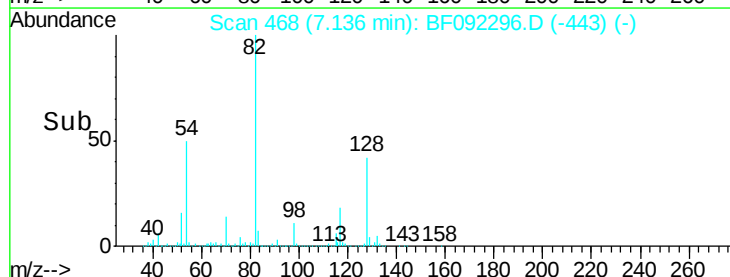
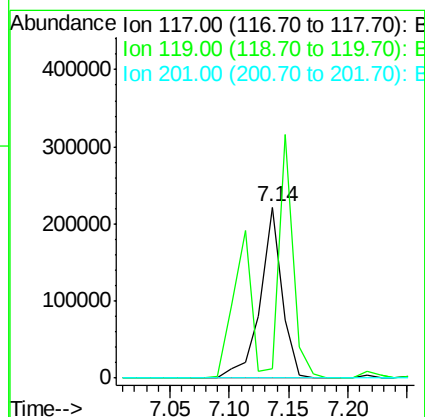
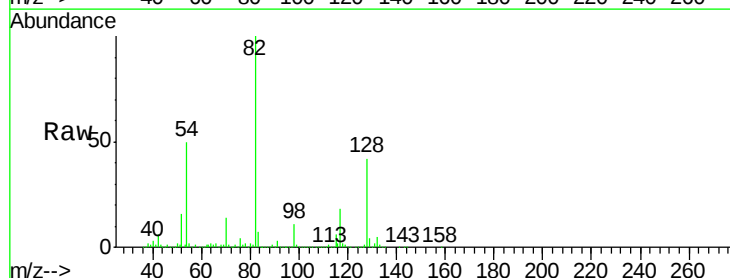
Tgt Ion: 117 Resp: 284548

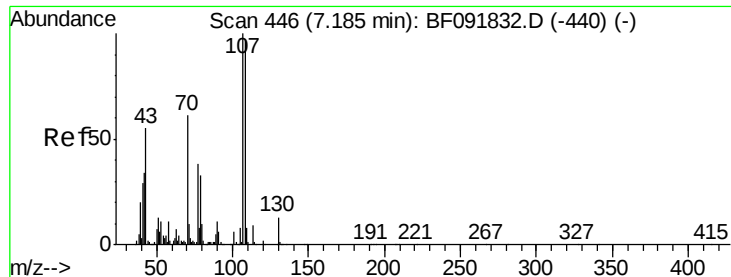
Ion Ratio Lower Upper

117 100

119 5.2 78.1 117.1#

201 0.0 78.6 117.8#

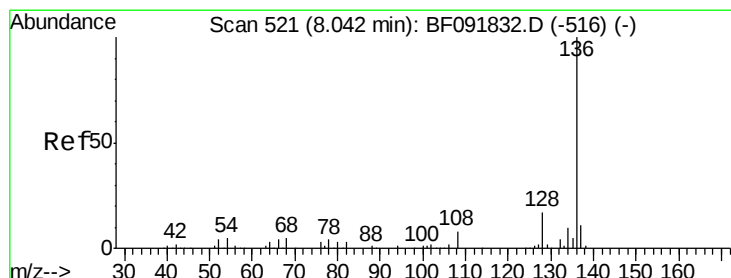
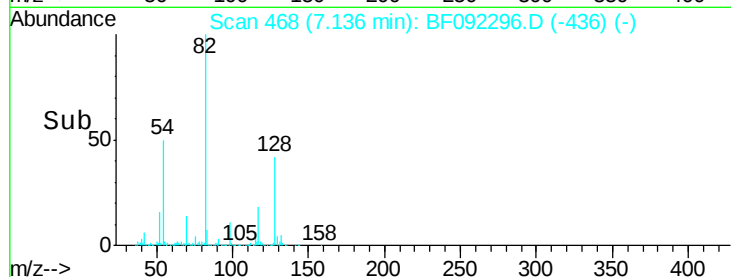
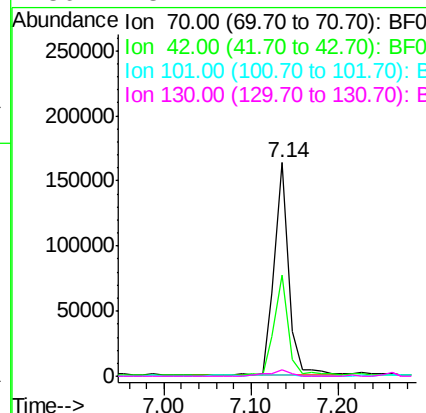
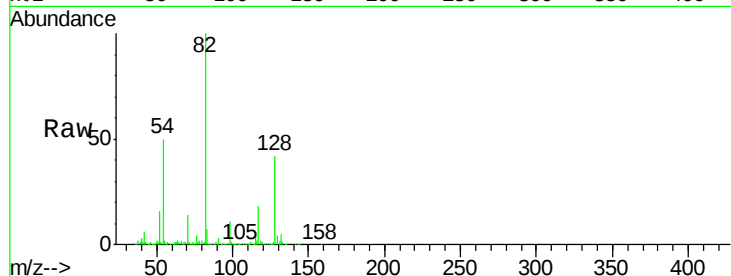




#19
n-Nitroso-di-n-propylamine
Concen: 19.10 ng
RT: 7.14 min Scan# 468
Delta R.T. 0.06 min
Lab File: BF092296.D
Acq: 16 Jan 2017 20:28

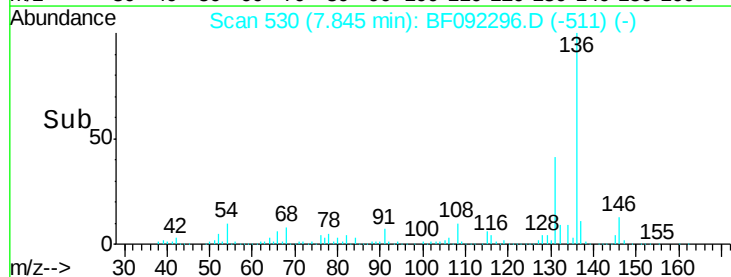
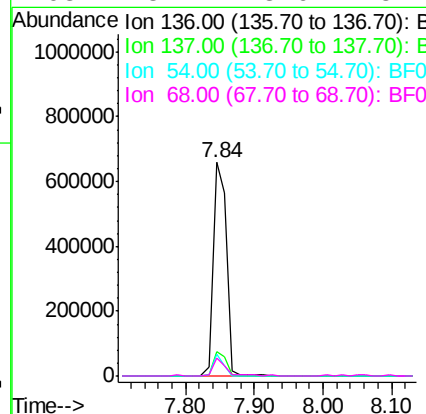
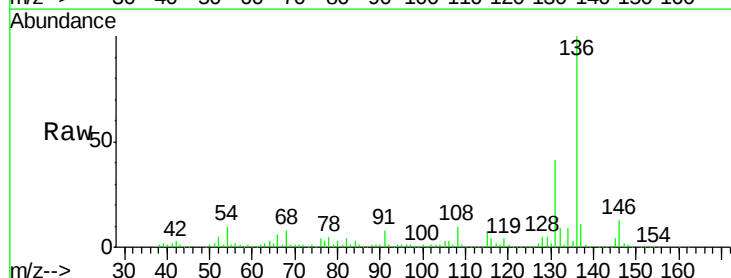
Instrument :
BNA_F
ClientSampled :
W-38

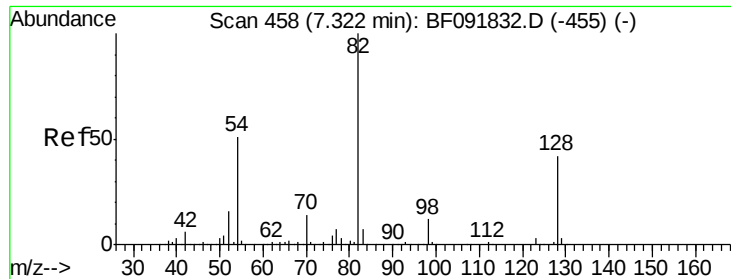
Tgt Ion: 70 Resp: 190777
Ion Ratio Lower Upper
70 100
42 47.3 49.4 74.0#
101 0.8 7.4 11.2#
130 3.2 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 530
Delta R.T. -0.09 min
Lab File: BF092296.D
Acq: 16 Jan 2017 20:28

Tgt Ion: 136 Resp: 877147
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 10.1 4.5 6.7#
68 8.2 3.6 5.4#

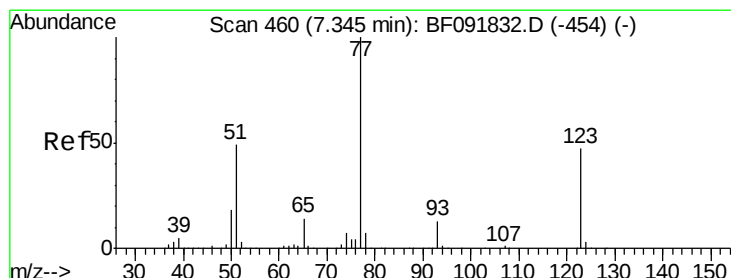
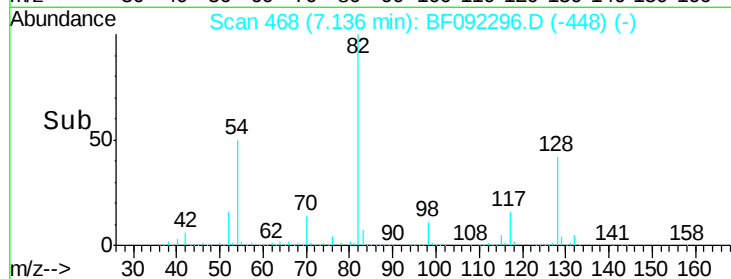
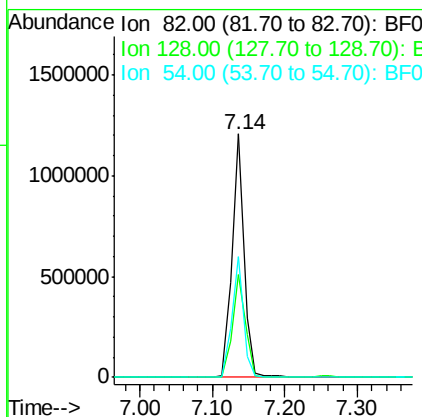
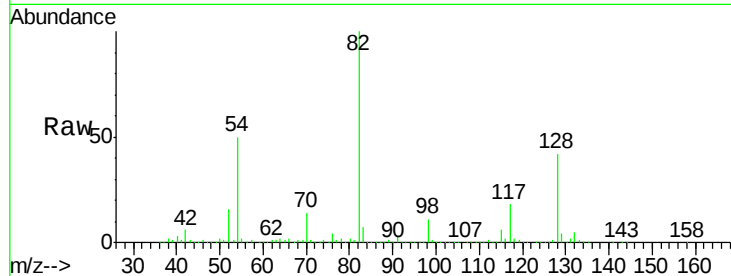




#23
Nitrobenzene-d5
Concen: 88.54 ng
RT: 7.14 min Scan# 468
Delta R.T. -0.08 min
Lab File: BF092296.D
Acq: 16 Jan 2017 20:28

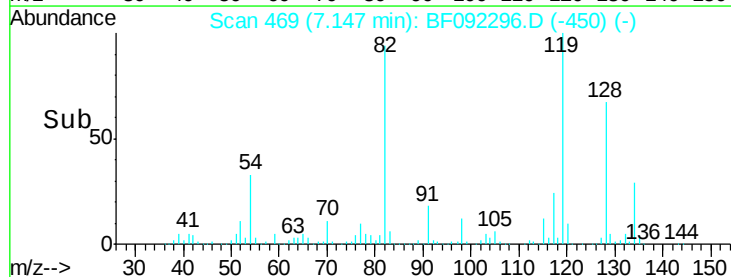
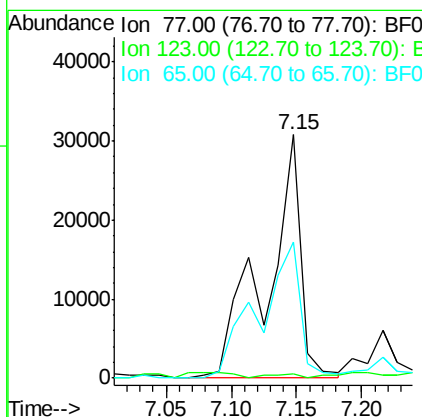
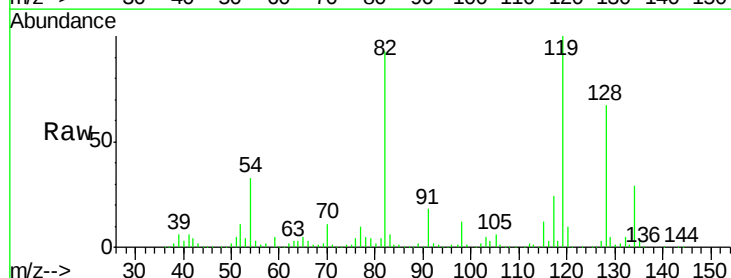
Instrument :
BNA_F
ClientSampleId :
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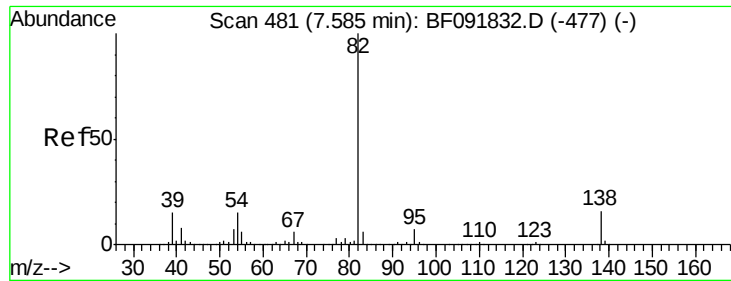
Tgt Ion: 82 Resp: 1396650
Ion Ratio Lower Upper
82 100
128 42.5 34.6 52.0
54 49.7 39.5 59.3



#24
Nitrobenzene
Concen: 3.38 ng
RT: 7.15 min Scan# 469
Delta R.T. -0.09 min
Lab File: BF092296.D
Acq: 16 Jan 2017 20:28

Tgt Ion: 77 Resp: 56808
Ion Ratio Lower Upper
77 100
123 1.8 33.0 49.4#
65 55.9 11.2 16.8#





#25

Isophorone

Concen: 47.26 ng

RT: 7.14 min Scan# 468

Delta R.T. -0.34 min

Lab File: BF092296.D

Acq: 16 Jan 2017 20:28

Instrument :

BNA_F

ClientSampleId :

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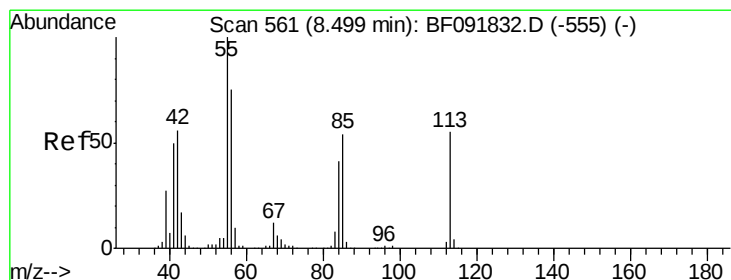
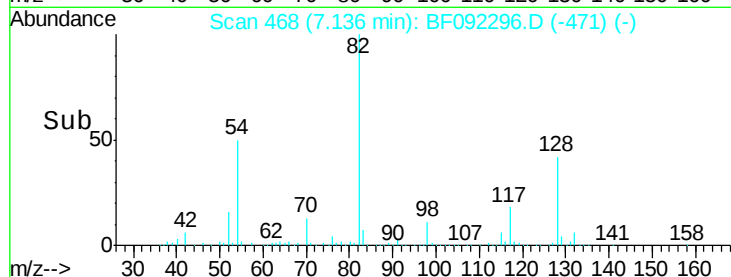
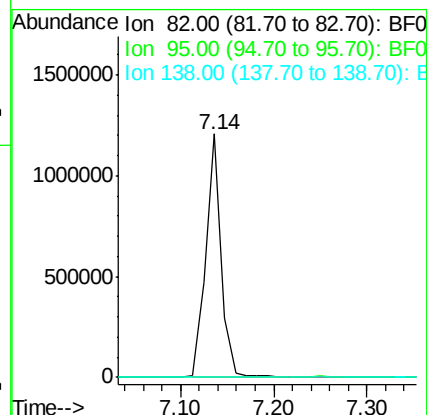
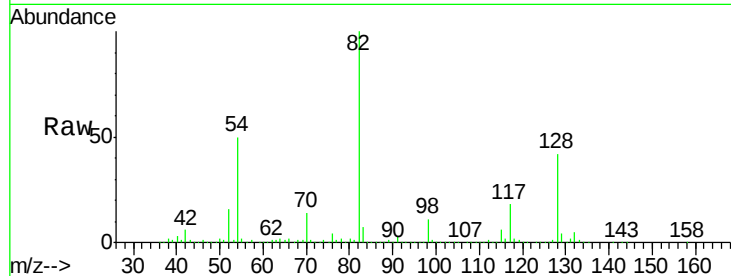
Tgt Ion: 82 Resp: 1375336

Ion Ratio Lower Upper

82 100

95 0.2 5.6 8.4#

138 0.0 14.6 22.0#



#35

Caprolactam

Concen: 2.01 ng

RT: 8.29 min Scan# 569

Delta R.T. -0.10 min

Lab File: BF092296.D

Acq: 16 Jan 2017 20:28

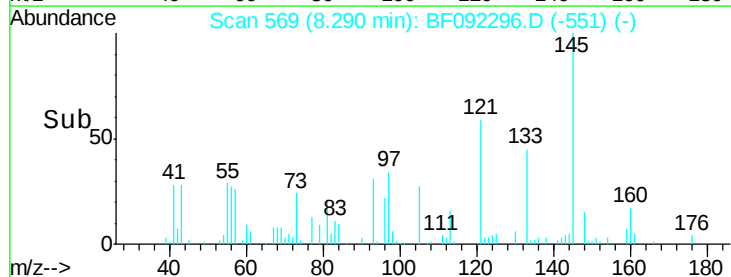
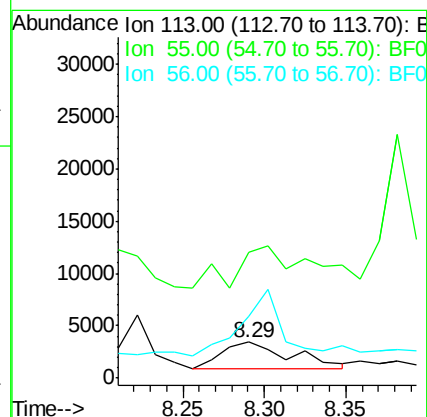
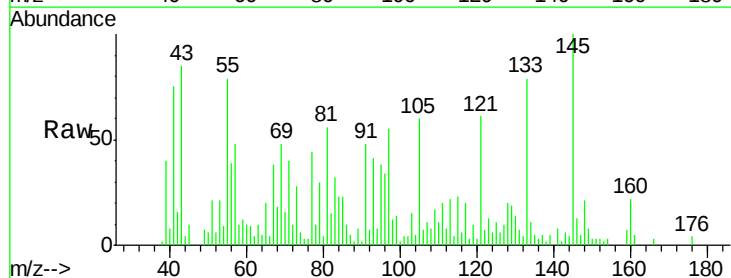
Tgt Ion: 113 Resp: 7703

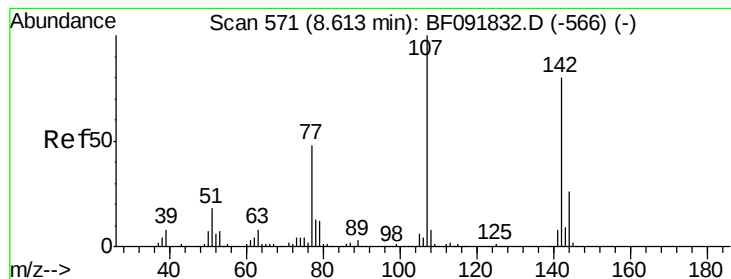
Ion Ratio Lower Upper

113 100

55 350.9 119.2 159.2#

56 171.4 83.8 123.8#





#36

4-Chloro-3-methylphenol

Concen: 3.48 ng

RT: 8.34 min Scan# 573

Delta R.T. -0.17 min

Lab File: BF092296.D

Acq: 16 Jan 2017 20:28

Instrument :

BNA_F

ClientSampleId :

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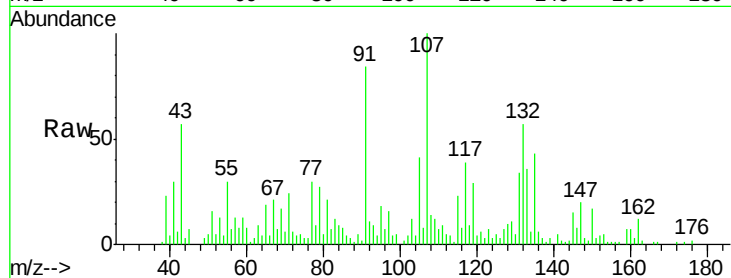
Tgt Ion:107 Resp: 46595

Ion Ratio Lower Upper

107 100

144 2.4 19.3 28.9#

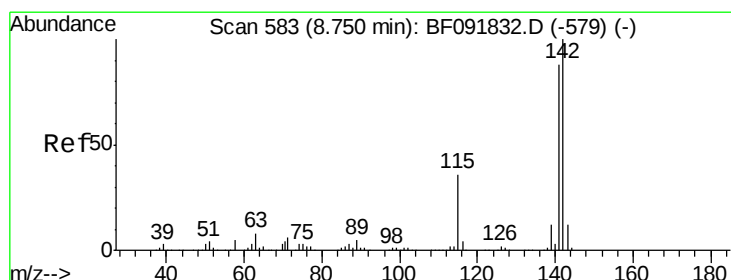
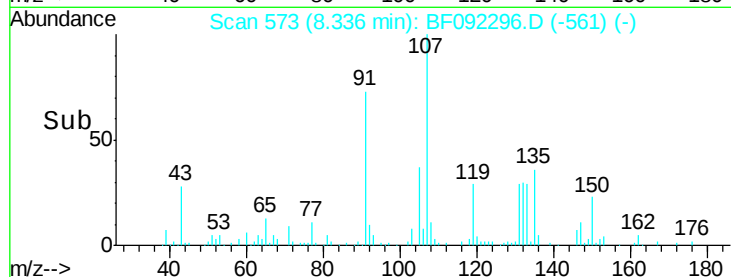
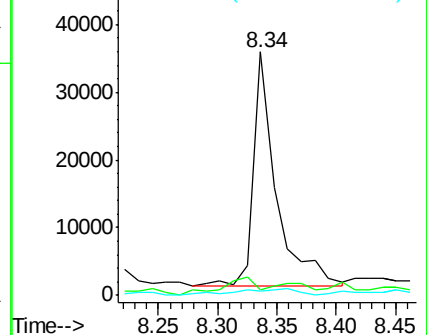
142 1.6 59.0 88.6#



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#37

2-Methylnaphthalene

Concen: 25.21 ng

RT: 8.66 min Scan# 601

Delta R.T. 0.01 min

Lab File: BF092296.D

Acq: 16 Jan 2017 20:28

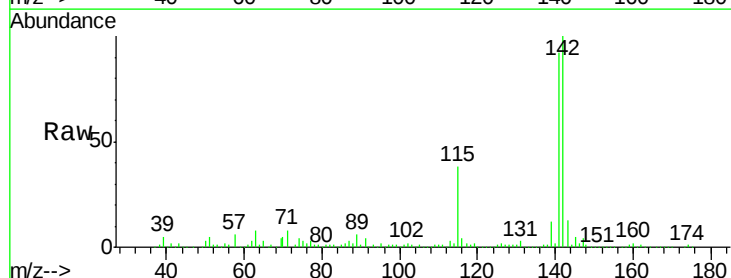
Tgt Ion:142 Resp: 713162

Ion Ratio Lower Upper

142 100

141 91.5 71.0 106.6

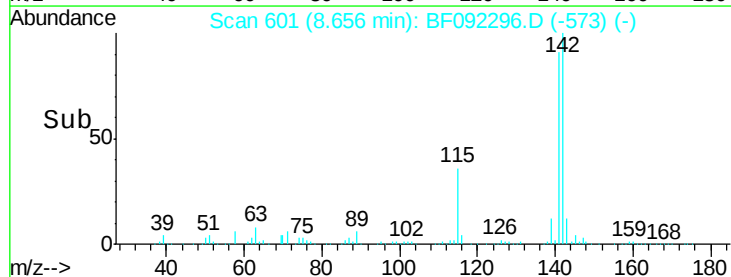
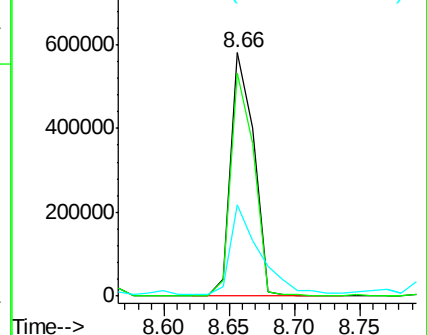
115 37.6 28.3 42.5

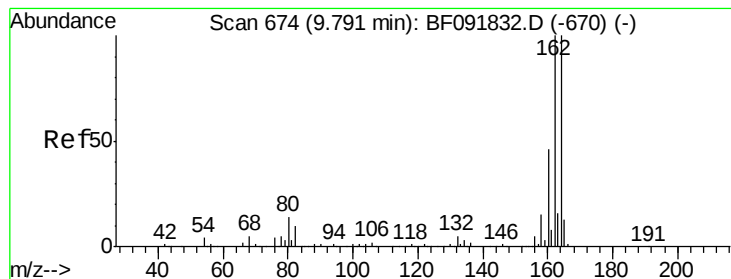


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.59 min Scan# 683

Delta R.T. -0.09 min

Lab File: BF092296.D

Acq: 16 Jan 2017 20:28

Instrument :

BNA_F

ClientSampleId :

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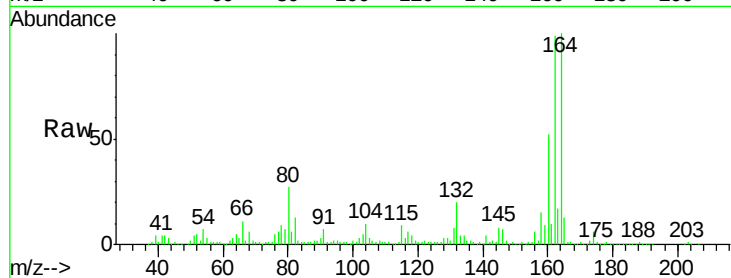
Tgt Ion:164 Resp: 474880

Ion Ratio Lower Upper

164 100

162 99.0 80.2 120.2

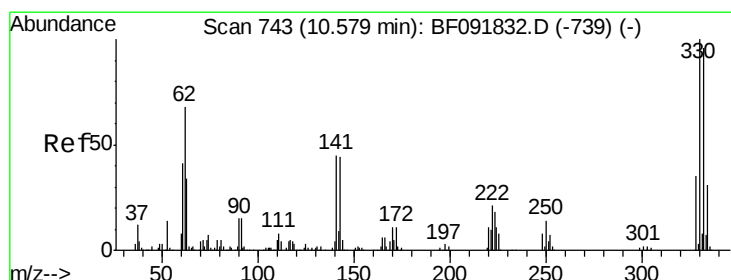
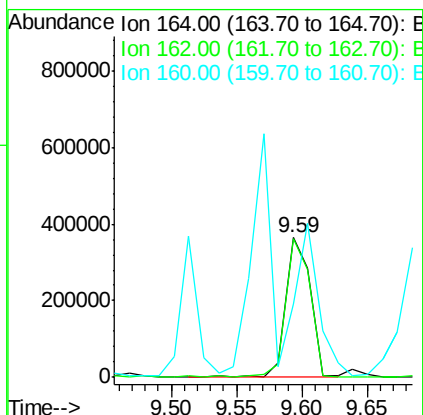
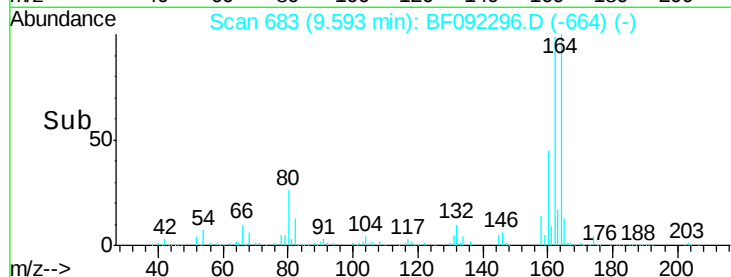
160 52.2 36.9 55.3



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: 126.64 ng

RT: 10.39 min Scan# 753

Delta R.T. -0.08 min

Lab File: BF092296.D

Acq: 16 Jan 2017 20:28

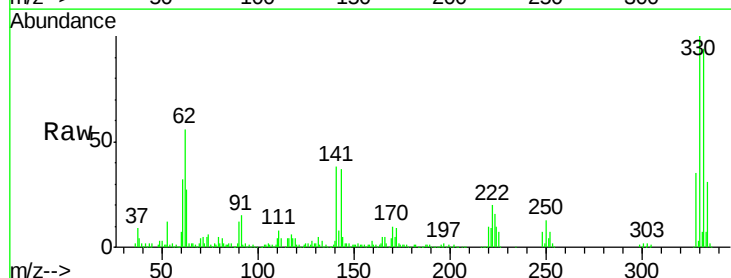
Tgt Ion:330 Resp: 497694

Ion Ratio Lower Upper

330 100

332 94.9 77.4 116.2

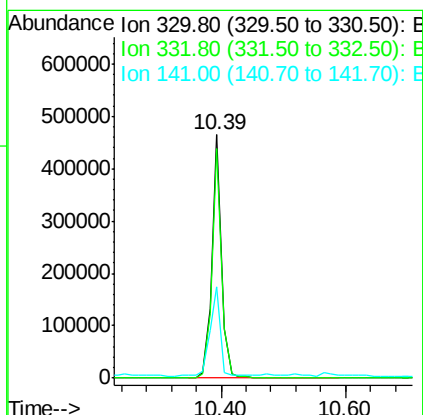
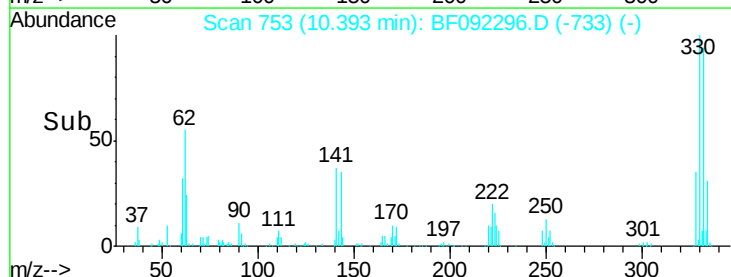
141 39.7 34.1 51.1

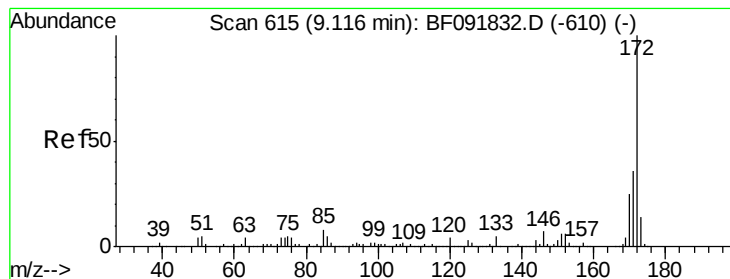


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 106.66 ng

RT: 8.93 min Scan# 625

Delta R.T. -0.08 min

Lab File: BF092296.D

Acq: 16 Jan 2017 20:28

Instrument :

BNA_F

ClientSampleId :

W-38

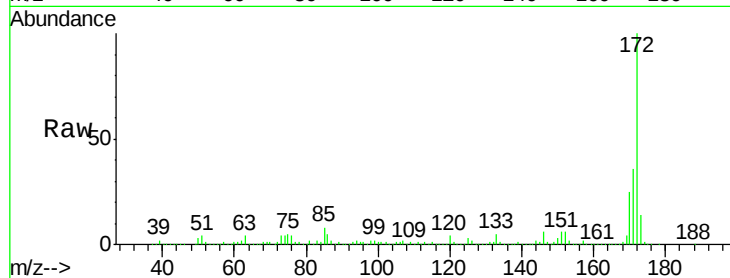
Tgt Ion:172 Resp: 2395809

Ion Ratio Lower Upper

172 100

171 36.3 29.4 44.0

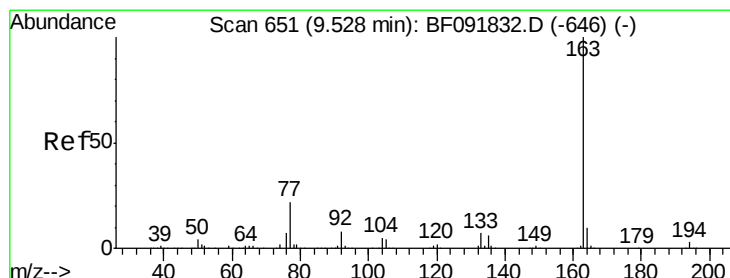
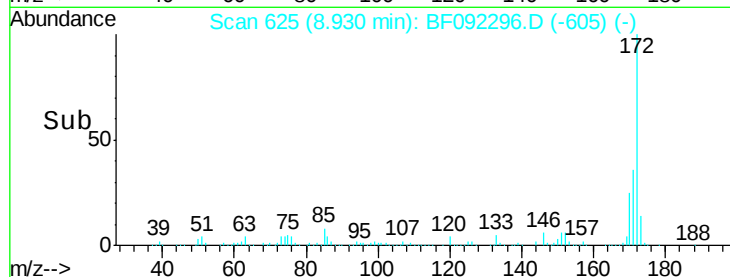
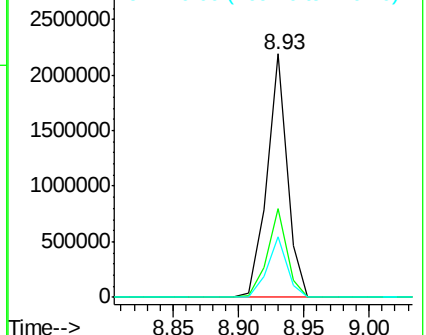
170 24.7 20.2 30.4



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



#49

Dimethylphthalate

Concen: 3.70 ng

RT: 9.33 min Scan# 660

Delta R.T. -0.09 min

Lab File: BF092296.D

Acq: 16 Jan 2017 20:28

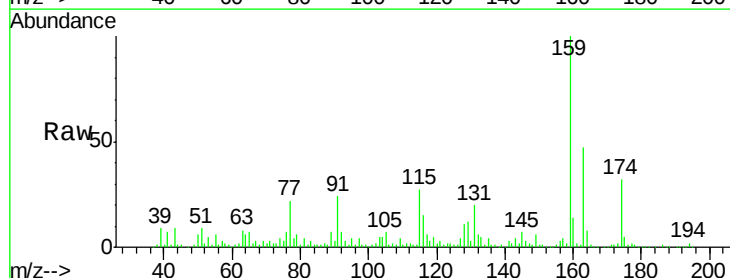
Tgt Ion:163 Resp: 112418

Ion Ratio Lower Upper

163 100

194 3.3 3.0 4.4

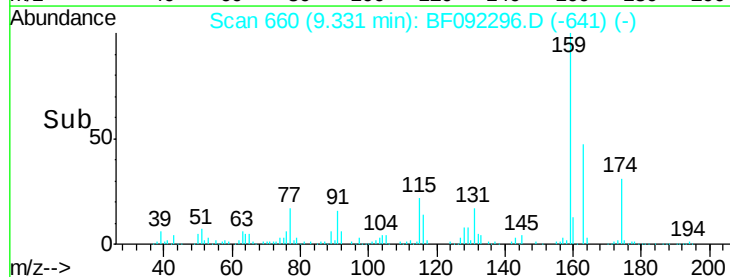
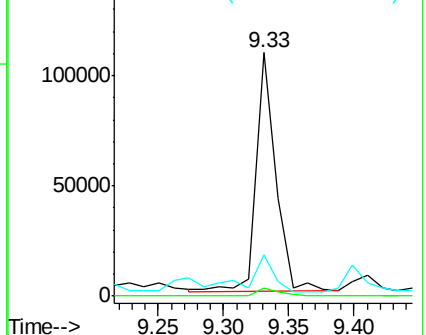
164 16.8 8.0 12.0#

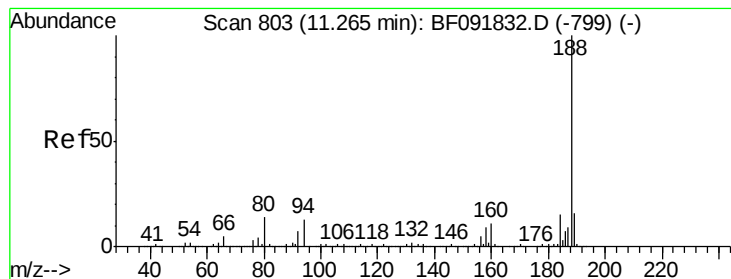


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.07 min Scan# 812

Delta R.T. -0.09 min

Lab File: BF092296.D

Acq: 16 Jan 2017 20:28

Instrument :

BNA_F

ClientSampleId :

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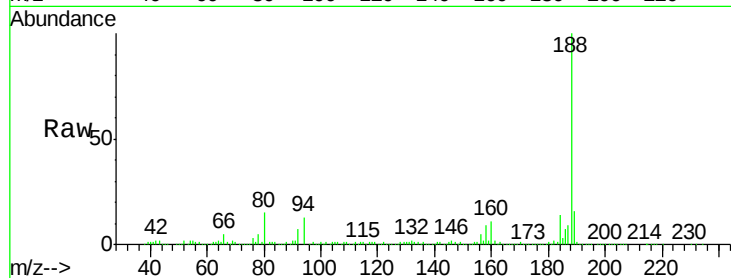
Tgt Ion:188 Resp: 711658

Ion Ratio Lower Upper

188 100

94 13.4 10.0 15.0

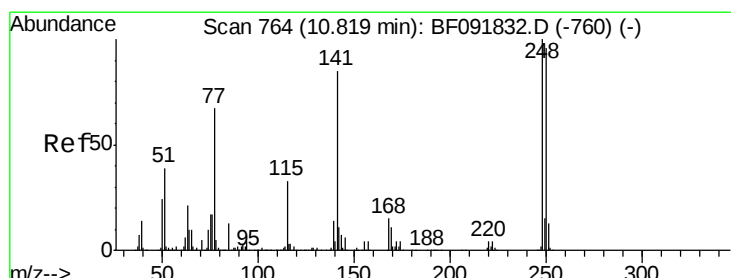
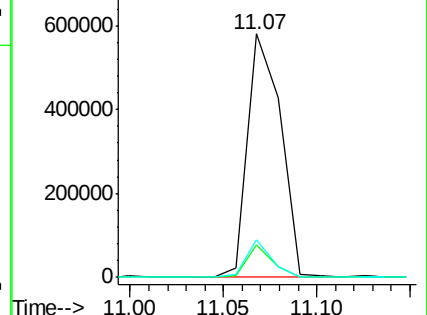
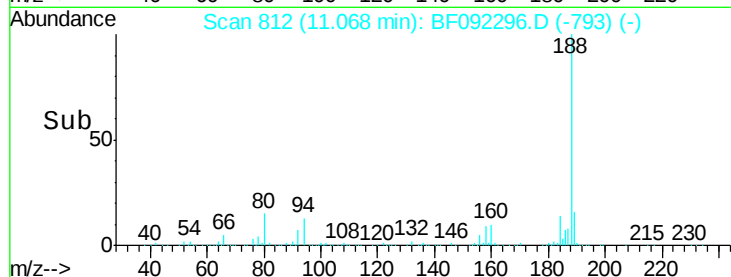
80 15.3 11.2 16.8



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: 4.41 ng

RT: 10.39 min Scan# 753

Delta R.T. -0.32 min

Lab File: BF092296.D

Acq: 16 Jan 2017 20:28

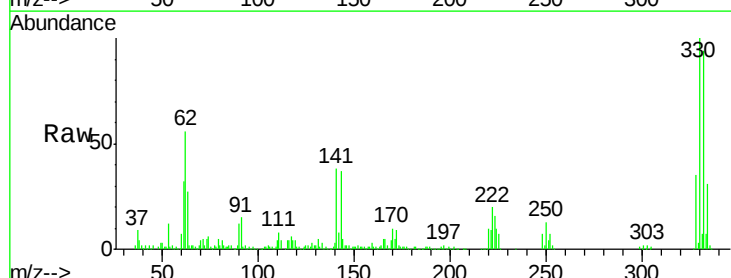
Tgt Ion:248 Resp: 32618

Ion Ratio Lower Upper

248 100

250 194.7 76.9 115.3#

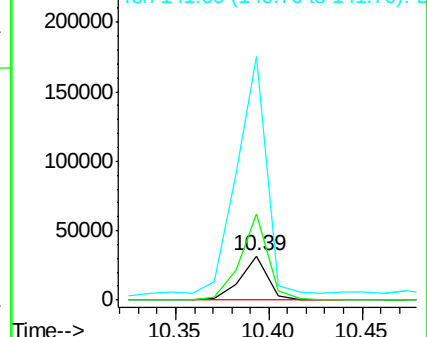
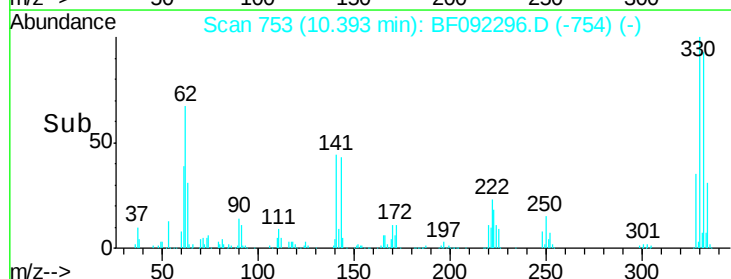
141 548.6 68.2 102.4#

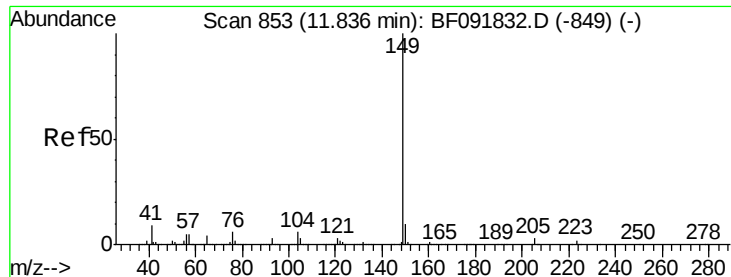


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.65 min Scan# 863

Delta R.T. -0.08 min

Lab File: BF092296.D

Acq: 16 Jan 2017 20:28

Instrument :

BNA_F

ClientSampleId :

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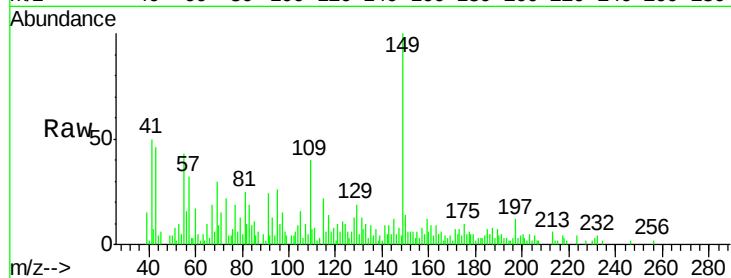
Tgt Ion:149 Resp: 16012

Ion Ratio Lower Upper

149 100

150 13.7 8.1 12.1#

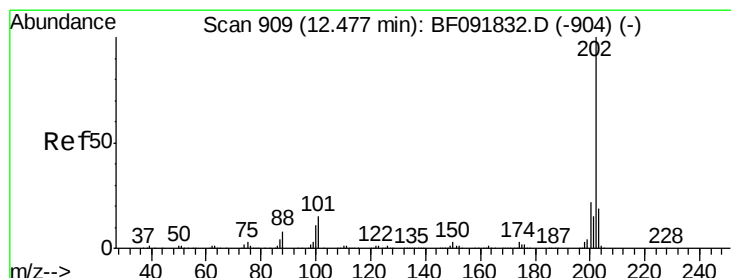
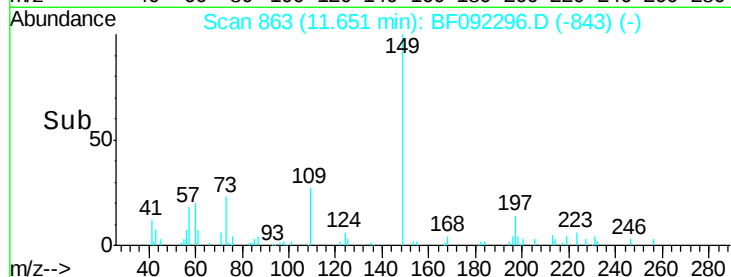
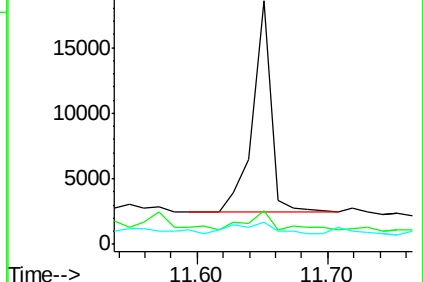
104 9.2 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: Below Cal

RT: 12.45 min Scan# 933

Delta R.T. 0.08 min

Lab File: BF092296.D

Acq: 16 Jan 2017 20:28

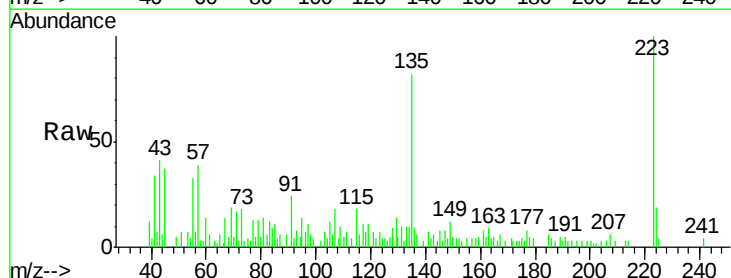
Tgt Ion:202 Resp: 212

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

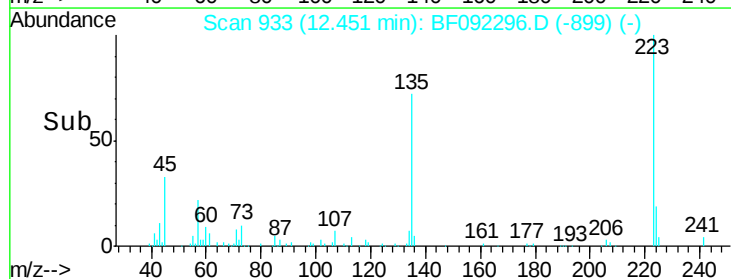
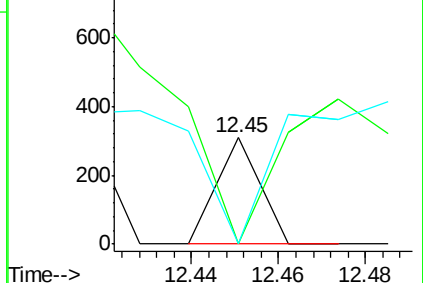
203 0.0 0.0 38.7

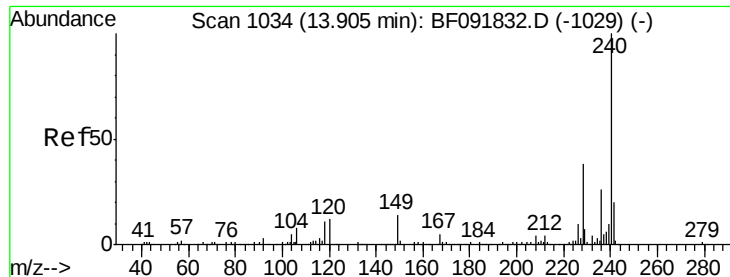


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.70 min Scan# 1042

Delta R.T. -0.09 min

Lab File: BF092296.D

Acq: 16 Jan 2017 20:28

Instrument :

BNA_F

ClientSampleId :

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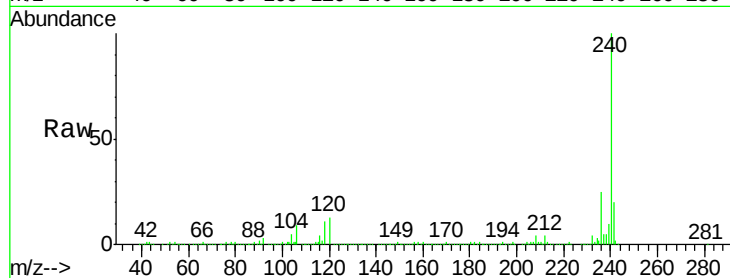
Tgt Ion:240 Resp: 701310

Ion Ratio Lower Upper

240 100

120 12.8 12.9 19.3#

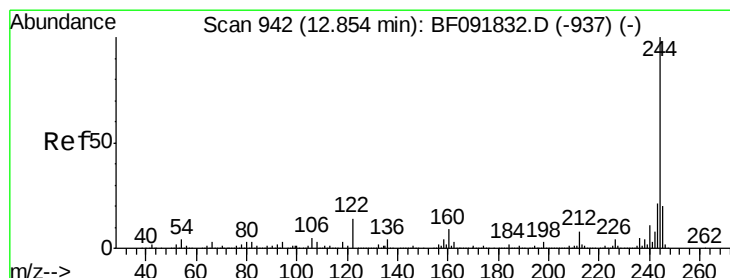
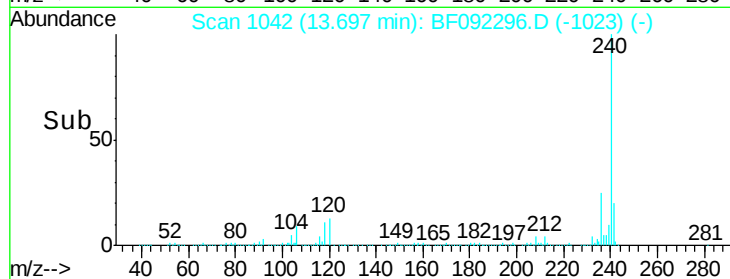
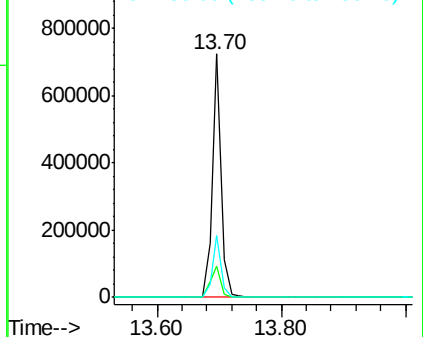
236 25.4 20.9 31.3



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: 82.48 ng

RT: 12.66 min Scan# 951

Delta R.T. -0.09 min

Lab File: BF092296.D

Acq: 16 Jan 2017 20:28

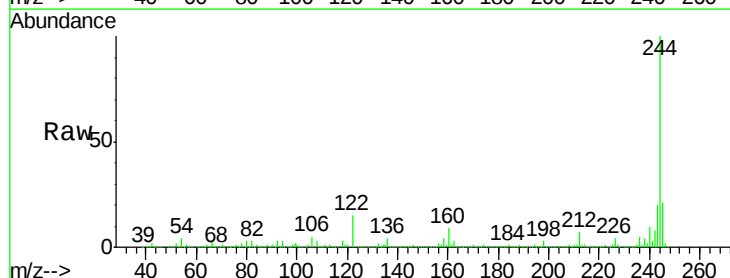
Tgt Ion:244 Resp: 2385109

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

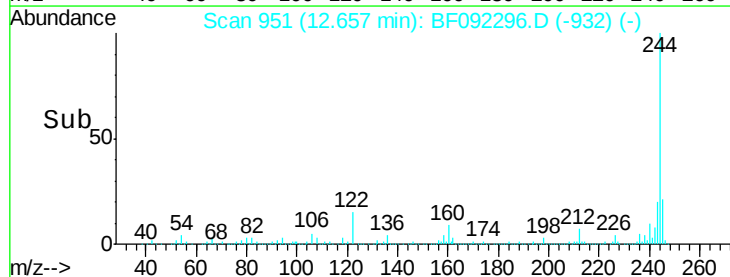
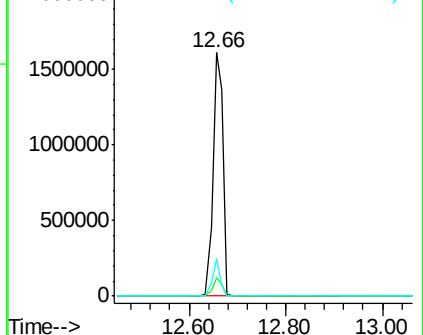
122 15.2 11.4 17.2

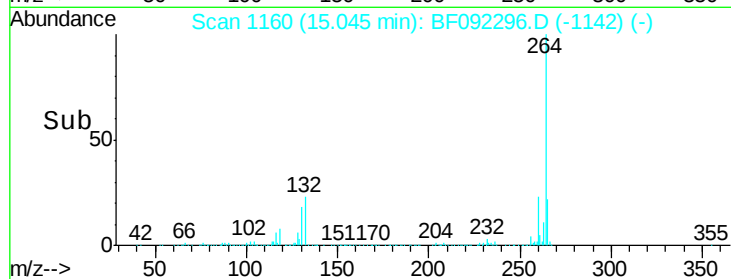
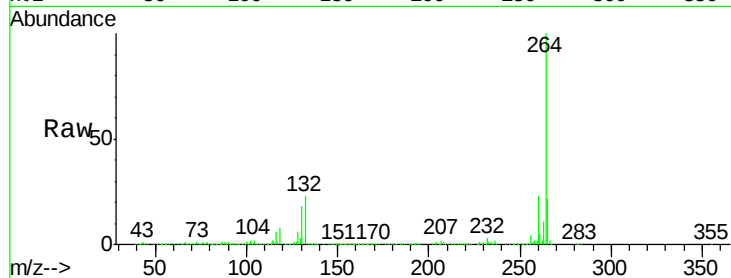
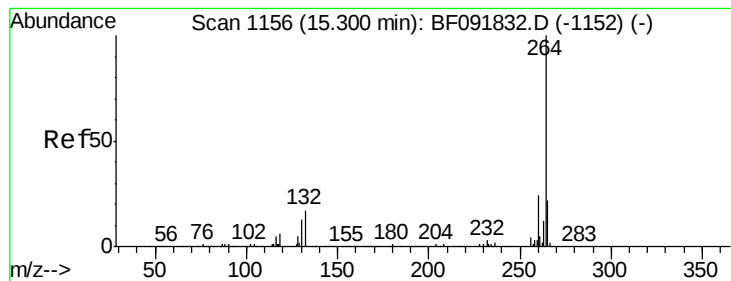


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.05 min Scan# 1160

Delta R.T. -0.10 min

Lab File: BF092296.D

Acq: 16 Jan 2017 20:28

Instrument :

BNA_F

ClientSampleId :

W-38

Tgt Ion:264 Resp: 527722

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 22.0 17.4 26.0

