

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122916\
 Data File : BF092029.D
 Acq On : 29 Dec 2016 17:38
 Operator : UM/SJ
 Sample : H6241-01DL 50X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1DL

Quant Time: Dec 29 23:51:35 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 28 17:32:10 2016
 Response via : Initial Calibration

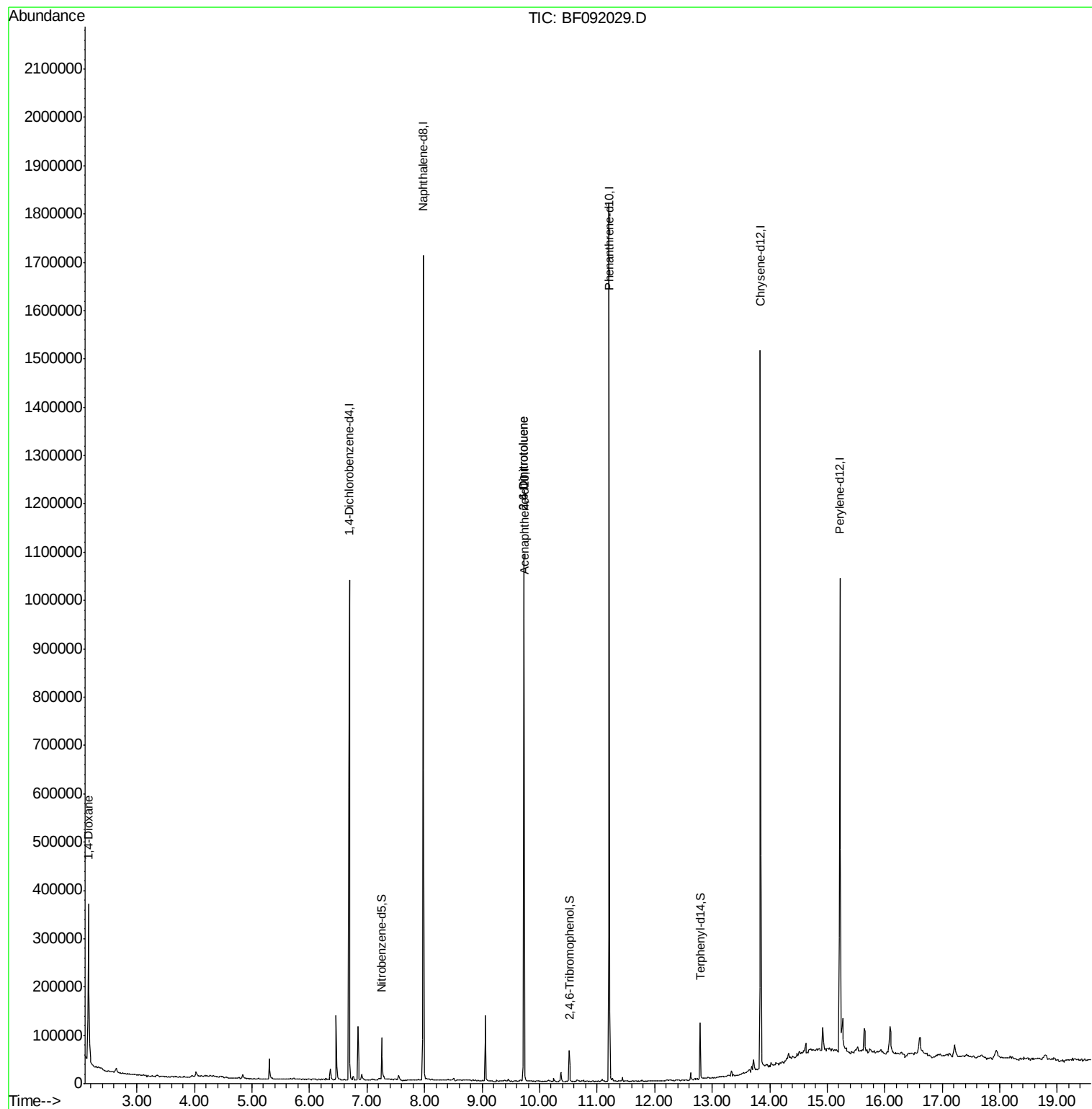
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	199725	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	851429	20.00	ng	-0.02
38) Acenaphthene-d10	9.73	164	345877	20.00	ng	-0.02
63) Phenanthrene-d10	11.21	188	638667	20.00	ng	-0.02
75) Chrysene-d12	13.84	240	540177	20.00	ng	-0.03
86) Perylene-d12	15.22	264	431162	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	16525	1.38	ng	-0.02
7) Phenol-d6	6.36	99	11544	0.79	ng	-0.02
23) Nitrobenzene-d5	7.25	82	31685	2.07	ng	-0.03
41) 2,4,6-Tribromophenol	10.52	330	9677	3.38	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	56234	-11.28	ng	-0.02
78) Terphenyl-d14	12.80	244	57573	2.58	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	2.16	88	160064	27.18	ng	98
9) Benzaldehyde	6.46	77	669	Below Cal	#	70
50) 2,6-Dinitrotoluene	9.72	165	43763	9.04	ng	31
56) 2,4-Dinitrotoluene	9.72	165	43763	7.20	ng	20
71) Anthracene	11.23	178	474	Below Cal	#	59
73) Di-n-butylphthalate	11.78	149	1349	Below Cal	#	76
74) Fluoranthene	12.42	202	990	Below Cal		61

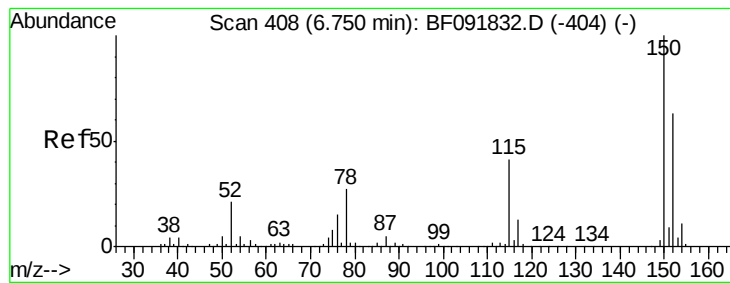
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 28 17:32:10 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.01 min

Lab File: BF092029.D

Acq: 29 Dec 2016 17:38

Instrument :

BNA_F

ClientSampleId :

MW-1DL

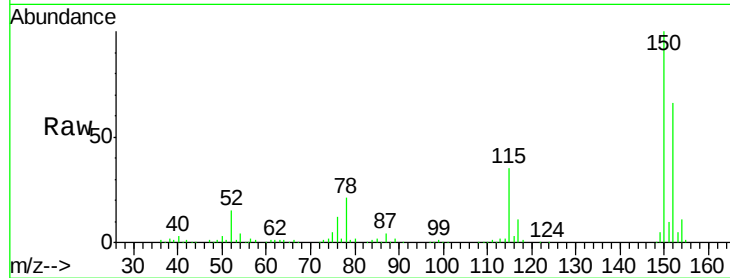
Tgt Ion:152 Resp: 199725

Ion Ratio Lower Upper

152 100

150 152.5 124.9 187.3

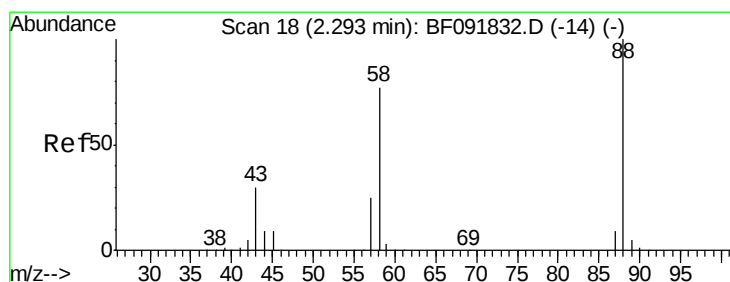
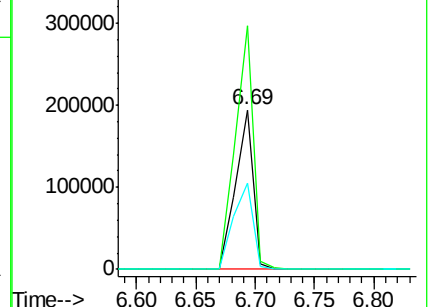
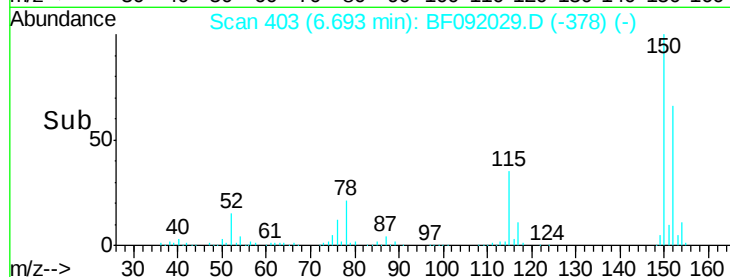
115 53.7 46.0 69.0



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



#2

1,4-Dioxane

Concen: 27.18 ng

RT: 2.16 min Scan# 6

Delta R.T. -0.03 min

Lab File: BF092029.D

Acq: 29 Dec 2016 17:38

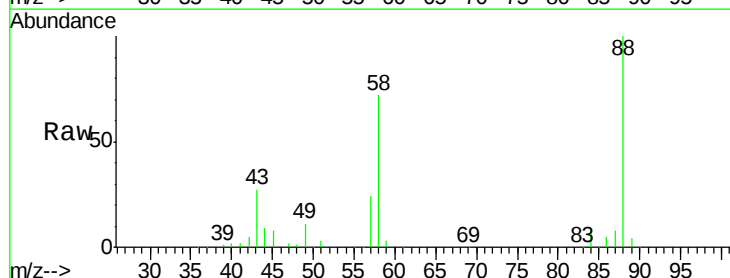
Tgt Ion: 88 Resp: 160064

Ion Ratio Lower Upper

88 100

58 74.0 57.8 86.8

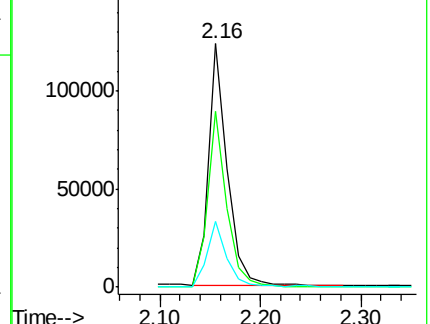
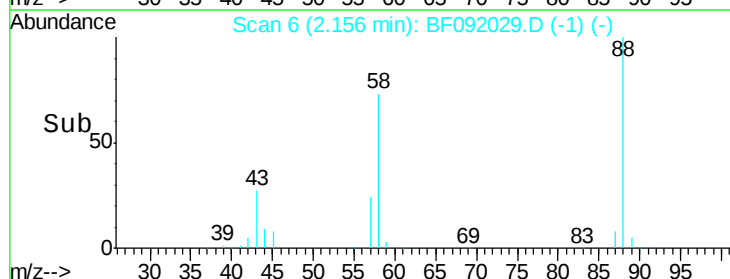
43 27.2 22.3 33.5

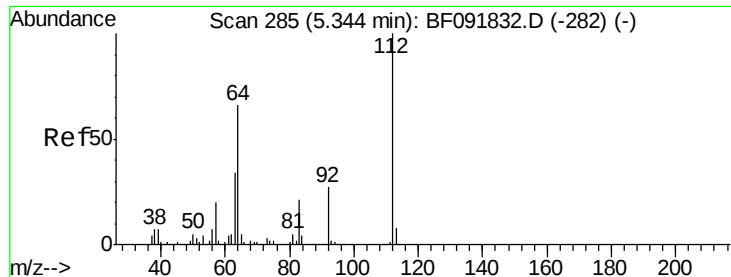


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 1.38 ng

RT: 5.30 min Scan# 281

Delta R.T. -0.02 min

Lab File: BF092029.D

Acq: 29 Dec 2016 17:38

Instrument :

BNA_F

ClientSampleId :

MW-1DL

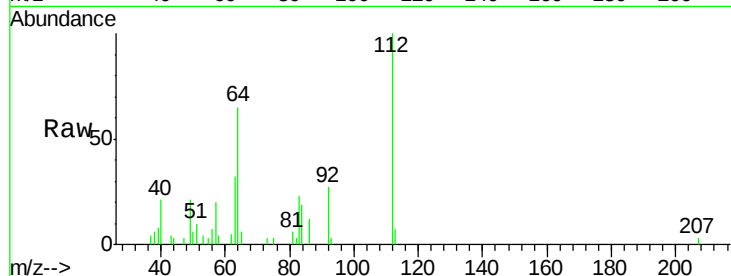
Tgt Ion: 112 Resp: 16525

Ion Ratio Lower Upper

112 100

64 65.1 46.1 69.1

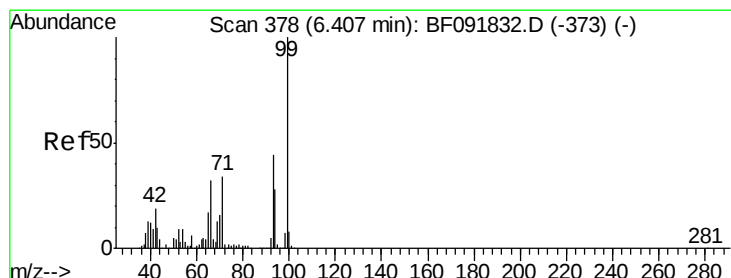
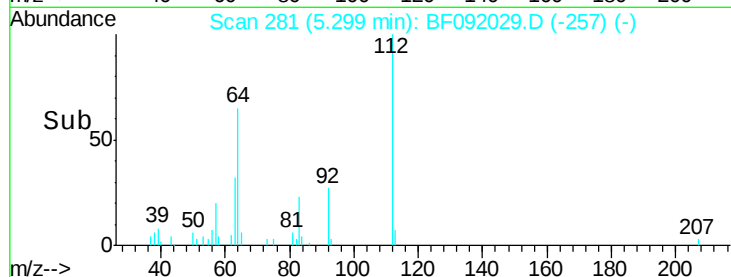
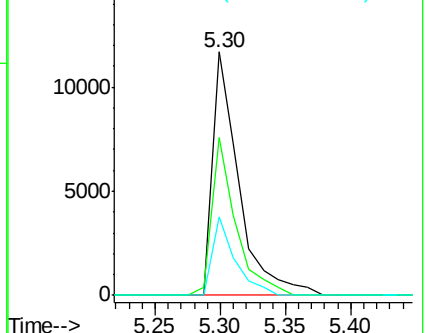
63 32.3 23.8 35.6



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 0.79 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.02 min

Lab File: BF092029.D

Acq: 29 Dec 2016 17:38

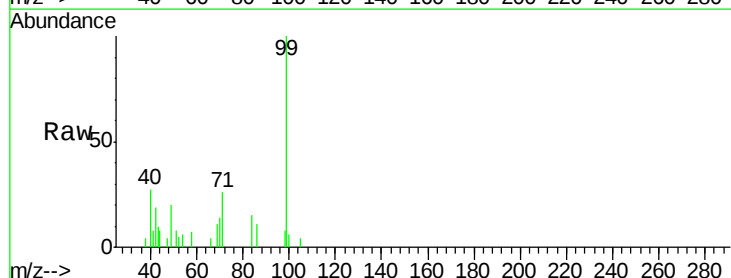
Tgt Ion: 99 Resp: 11544

Ion Ratio Lower Upper

99 100

42 18.7 15.6 23.4

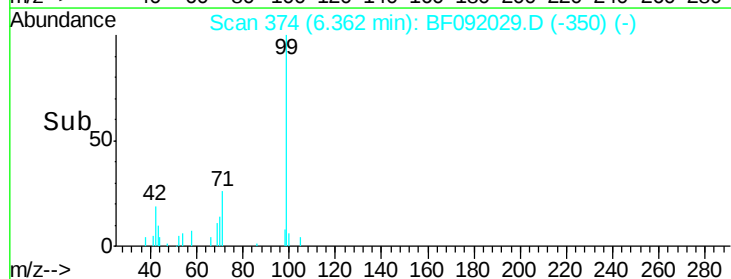
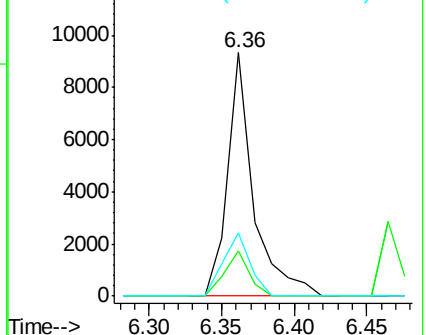
71 25.7 27.5 41.3#

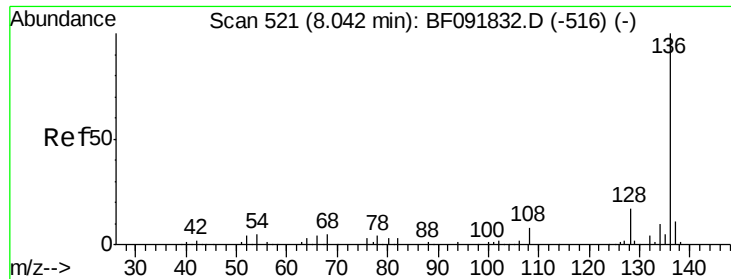


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

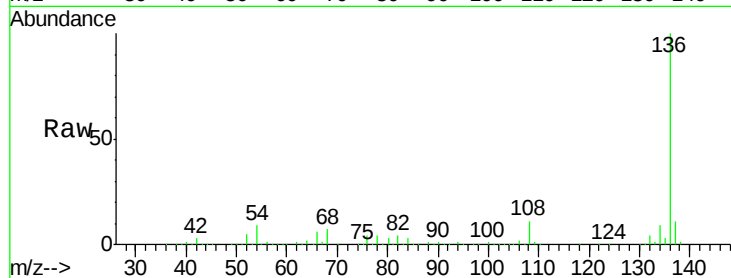




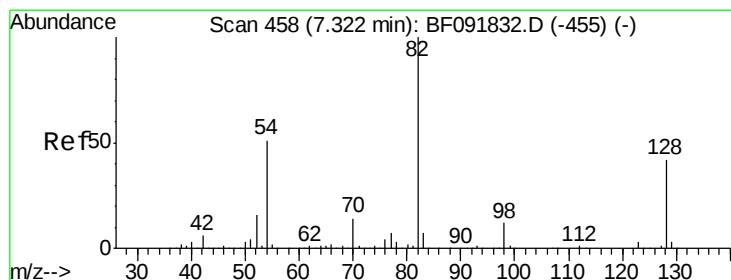
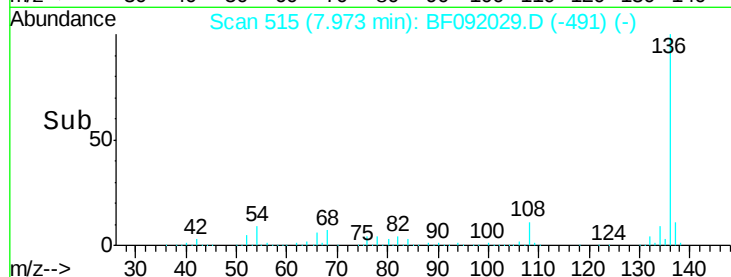
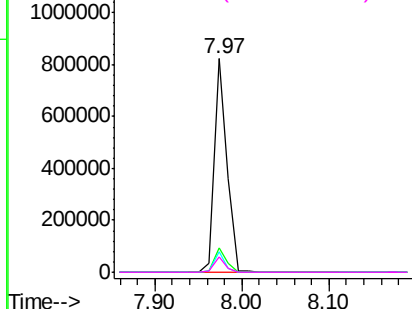
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.97 min Scan# 515
Delta R.T. -0.02 min
Lab File: BF092029.D
Acq: 29 Dec 2016 17:38

Instrument :
BNA_F
ClientSampleId :
MW-1DL

Tgt Ion:	136	Resp:	851429
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.4	12.6
54	9.5	4.5	6.7#
68	7.5	3.6	5.4#

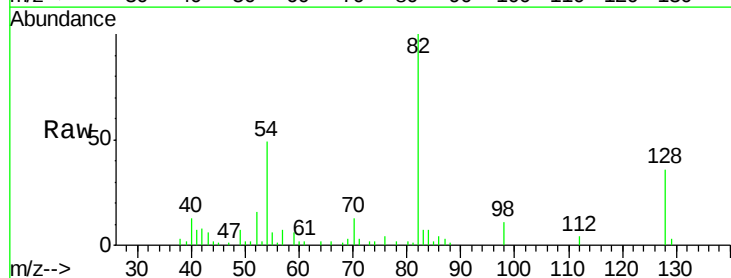


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

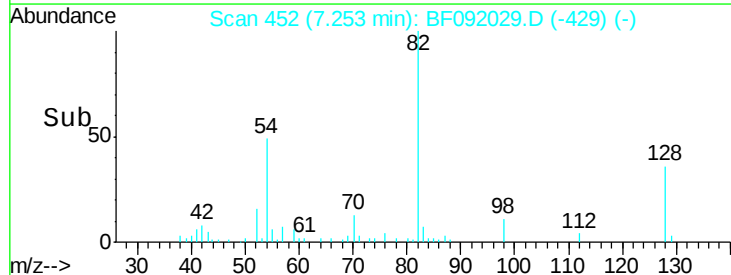
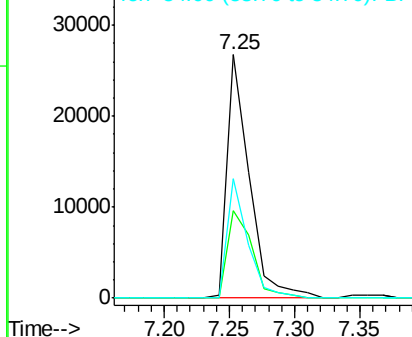


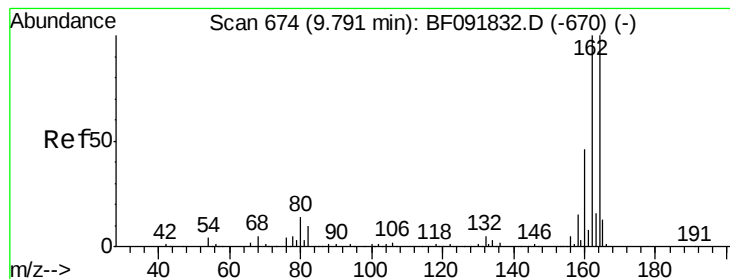
#23
Nitrobenzene-d5
Concen: 2.07 ng
RT: 7.25 min Scan# 452
Delta R.T. -0.03 min
Lab File: BF092029.D
Acq: 29 Dec 2016 17:38

Tgt Ion:	82	Resp:	31685
Ion	Ratio	Lower	Upper
82	100		
128	35.8	34.6	52.0
54	48.9	39.5	59.3



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.02 min

Lab File: BF092029.D

Acq: 29 Dec 2016 17:38

Instrument :

BNA_F

ClientSampleId :

MW-1DL

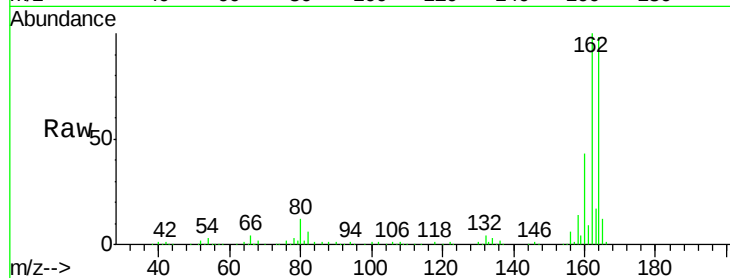
Tgt Ion:164 Resp: 345877

Ion Ratio Lower Upper

164 100

162 101.6 80.2 120.2

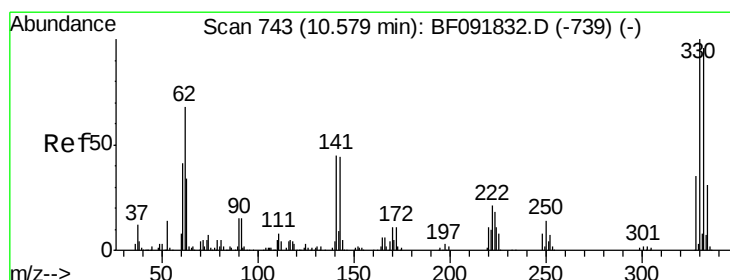
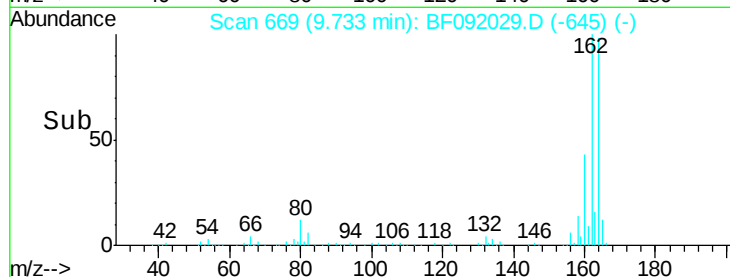
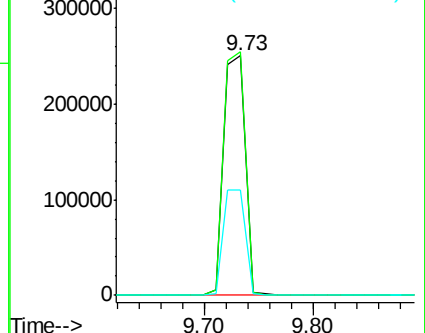
160 44.2 36.9 55.3



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: 3.38 ng

RT: 10.52 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF092029.D

Acq: 29 Dec 2016 17:38

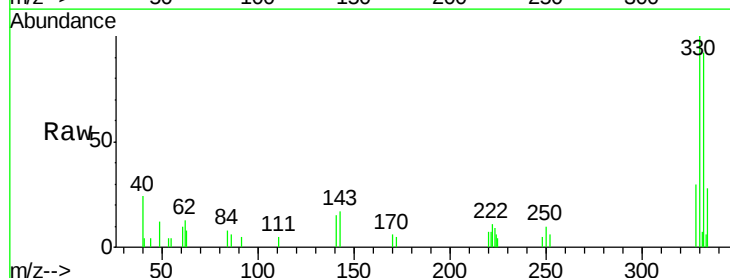
Tgt Ion:330 Resp: 9677

Ion Ratio Lower Upper

330 100

332 88.5 77.4 116.2

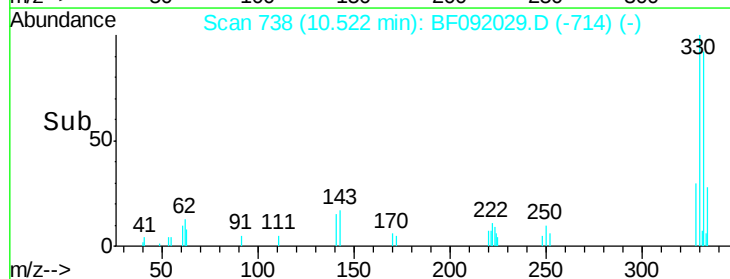
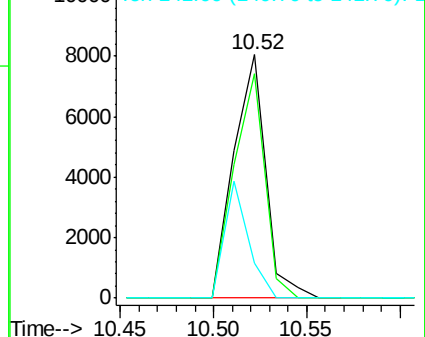
141 35.7 34.1 51.1

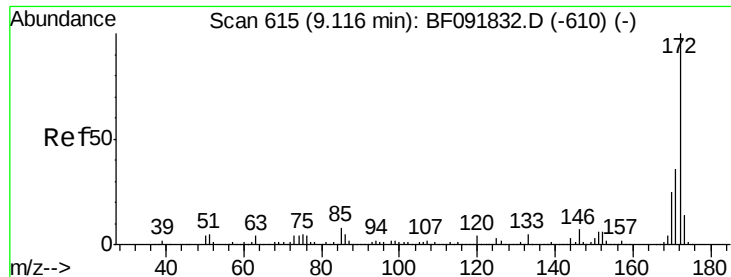


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

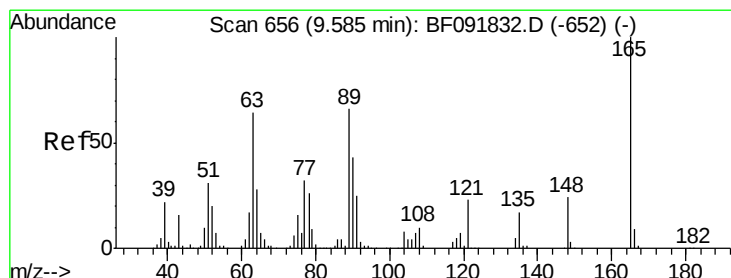
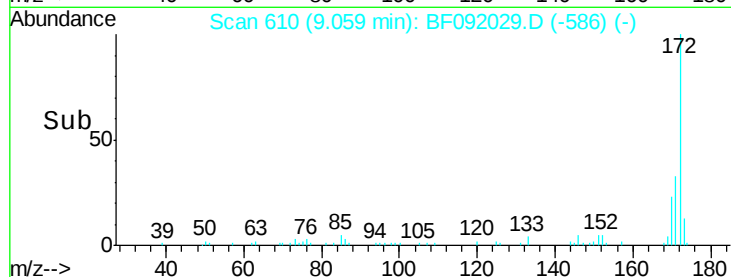
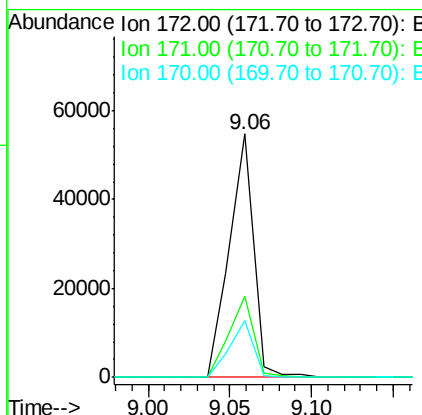
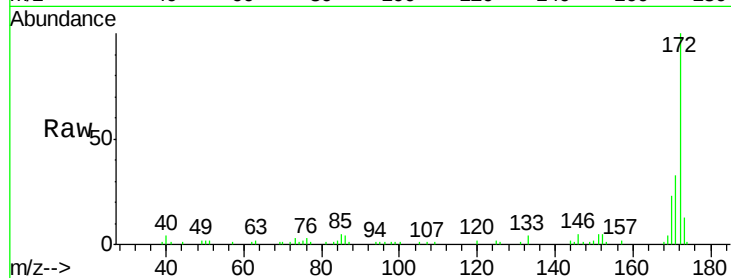




#44
 2-Fluorobiphenyl
 Concen: -11.28 ng
 RT: 9.06 min Scan# 610
 Delta R.T. -0.02 min
 Lab File: BF092029.D
 Acq: 29 Dec 2016 17:38

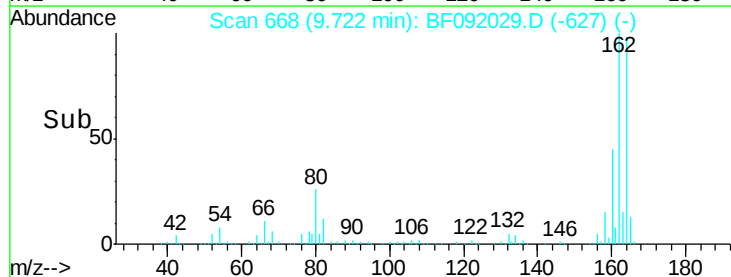
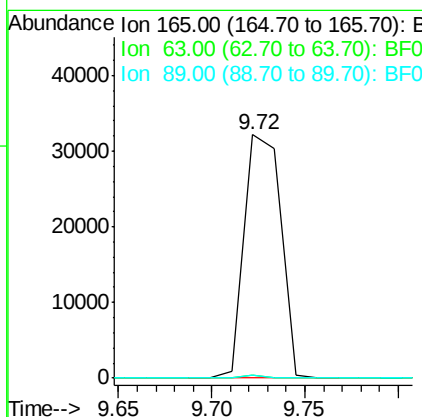
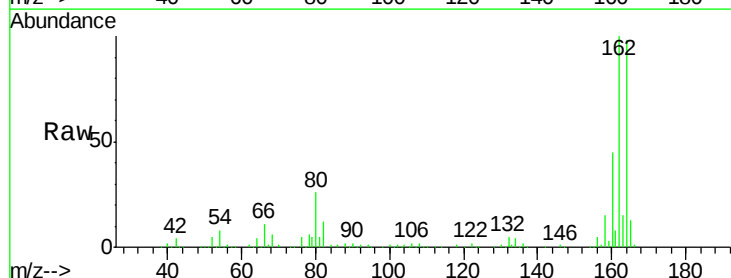
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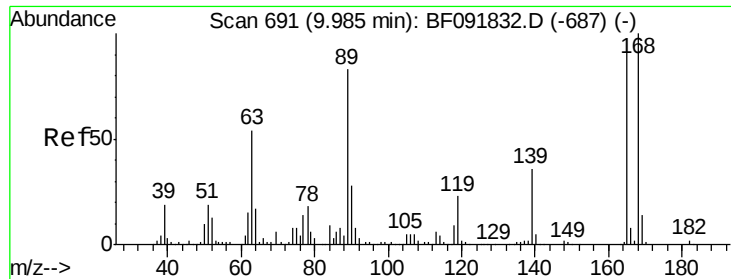
Tgt Ion:172 Resp: 56234
 Ion Ratio Lower Upper
 172 100
 171 33.1 29.4 44.0
 170 23.1 20.2 30.4



#50
 2,6-Dinitrotoluene
 Concen: 9.04 ng
 RT: 9.72 min Scan# 668
 Delta R.T. 0.17 min
 Lab File: BF092029.D
 Acq: 29 Dec 2016 17:38

Tgt Ion:165 Resp: 43763
 Ion Ratio Lower Upper
 165 100
 63 1.1 36.2 54.4#
 89 1.3 40.2 60.4#

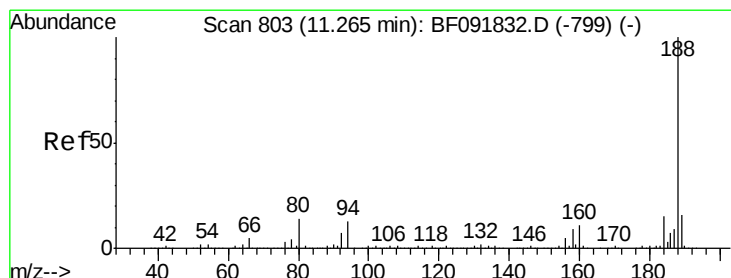
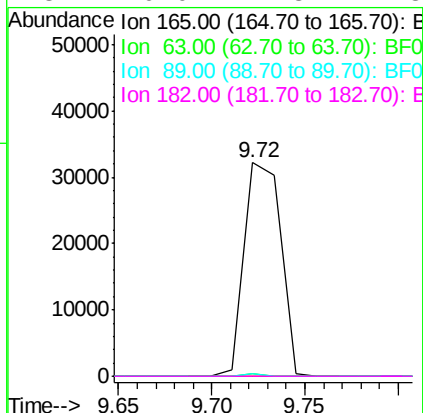
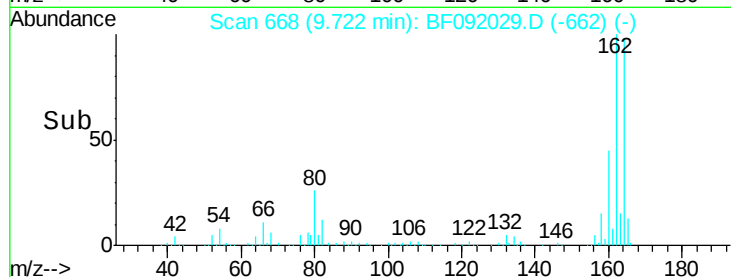
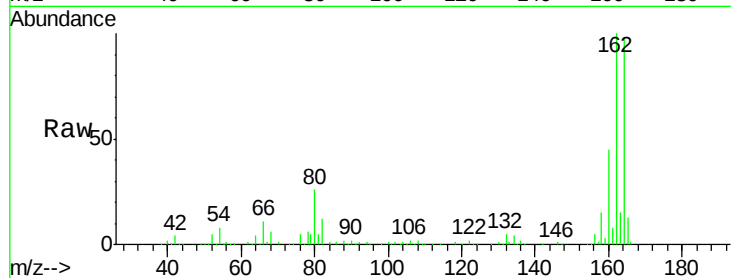




#56
2,4-Dinitrotoluene
Concen: 7.20 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.23 min
Lab File: BF092029.D
Acq: 29 Dec 2016 17:38

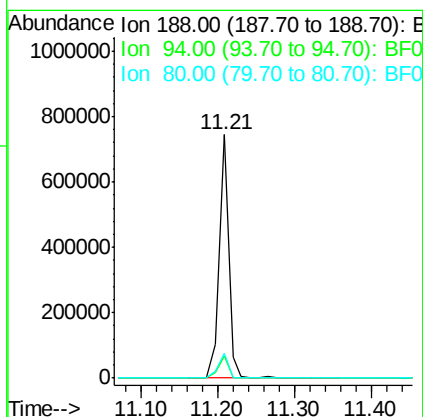
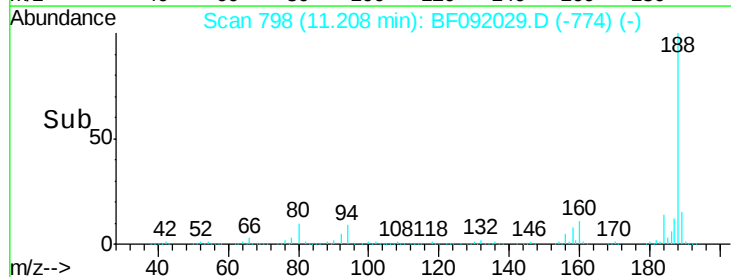
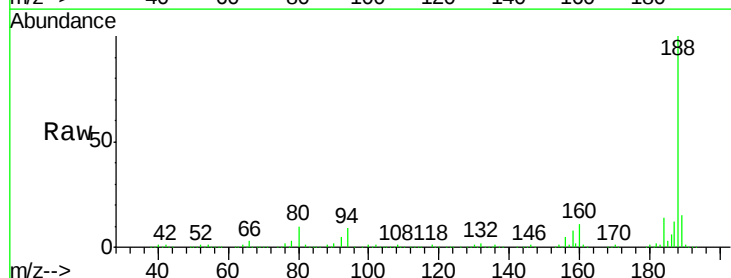
Instrument :
BNA_F
ClientSampleId :
MW-1DL

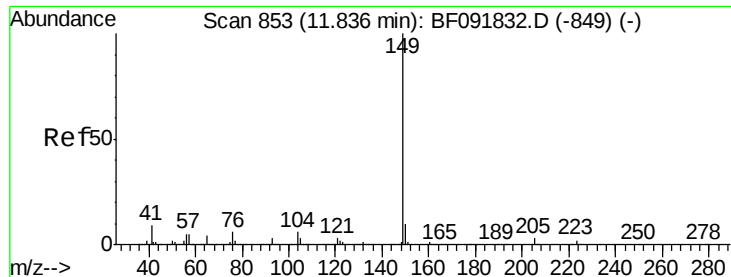
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	40.2	60.4#
89	1.3	62.5	93.7#
182	0.0	1.8	2.8#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 798
Delta R.T. -0.02 min
Lab File: BF092029.D
Acq: 29 Dec 2016 17:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	10.0	15.0#
80	9.9	11.2	16.8#





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.78 min Scan# 848

Delta R.T. -0.02 min

Lab File: BF092029.D

Acq: 29 Dec 2016 17:38

Instrument :

BNA_F

ClientSampleId :

MW-1DL

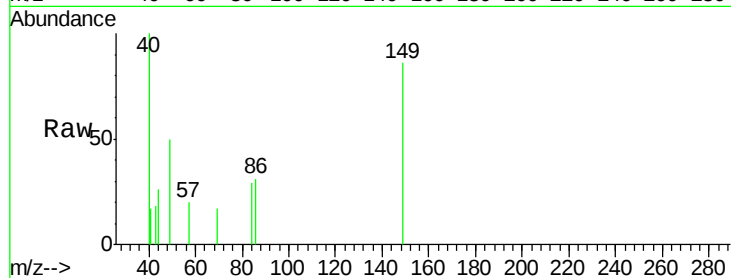
Tgt Ion:149 Resp: 1349

Ion Ratio Lower Upper

149 100

150 0.0 8.1 12.1#

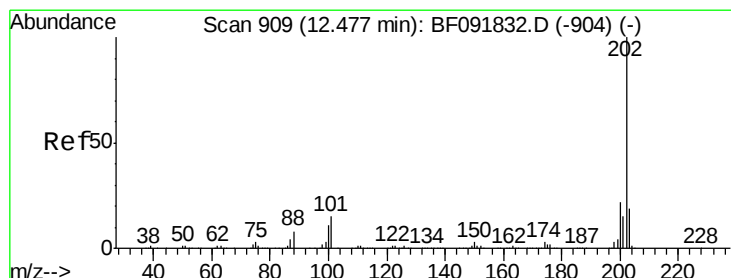
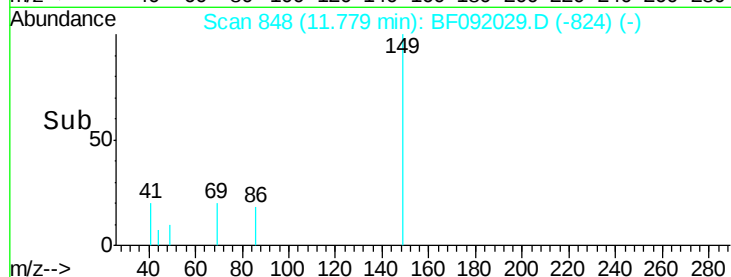
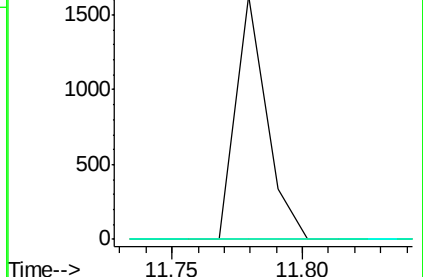
104 0.0 4.6 7.0#



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: 12.42 min Scan# 904

Delta R.T. -0.02 min

Lab File: BF092029.D

Acq: 29 Dec 2016 17:38

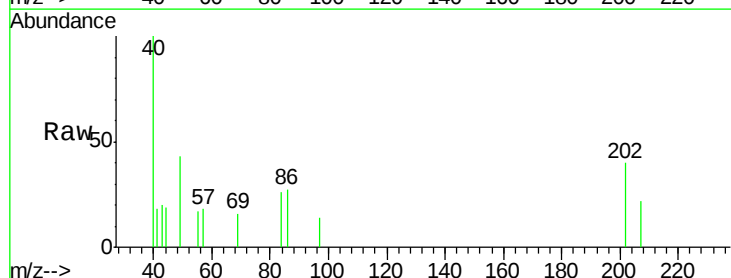
Tgt Ion:202 Resp: 990

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

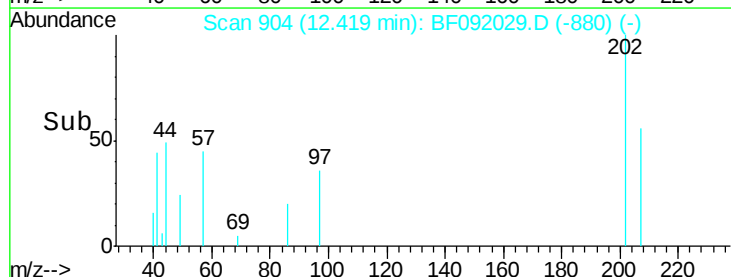
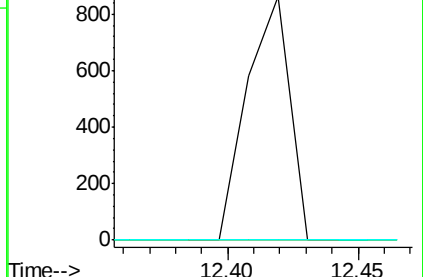
203 0.0 0.0 38.7

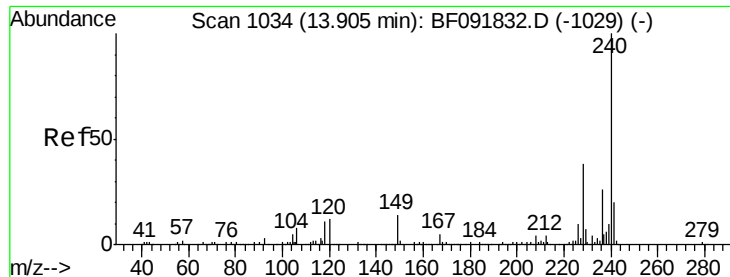


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.84 min Scan# 1028

Delta R.T. -0.03 min

Lab File: BF092029.D

Acq: 29 Dec 2016 17:38

Instrument :

BNA_F

ClientSampleId :

MW-1DL

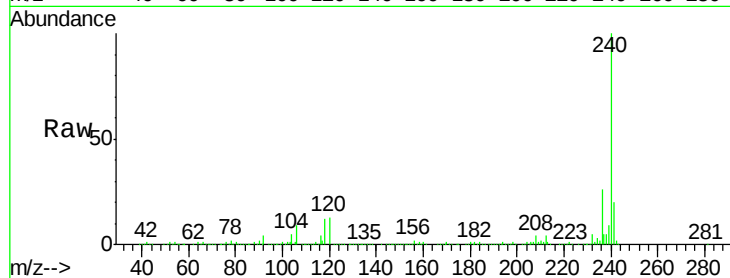
Tgt Ion:240 Resp: 540177

Ion Ratio Lower Upper

240 100

120 12.8 12.9 19.3#

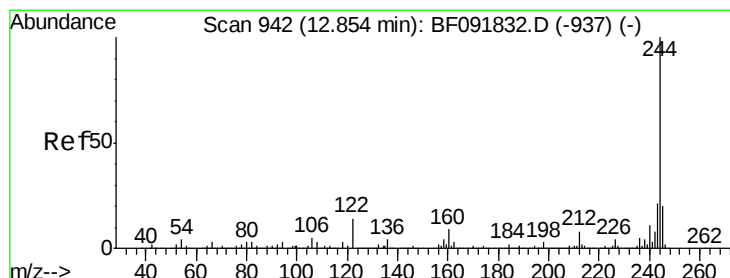
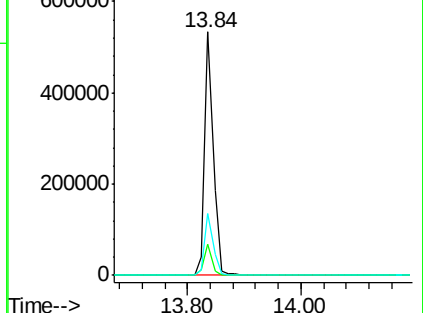
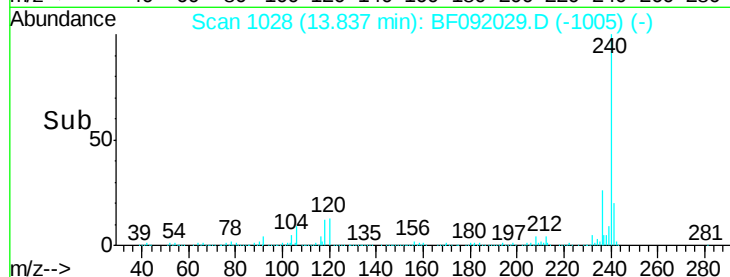
236 25.5 20.9 31.3



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: 2.58 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.02 min

Lab File: BF092029.D

Acq: 29 Dec 2016 17:38

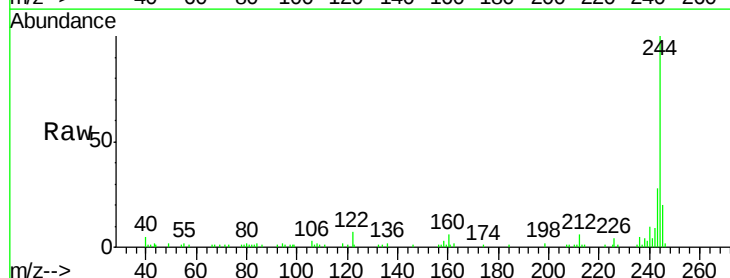
Tgt Ion:244 Resp: 57573

Ion Ratio Lower Upper

244 100

212 5.8 6.2 9.2#

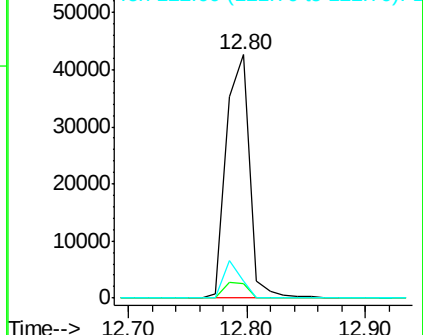
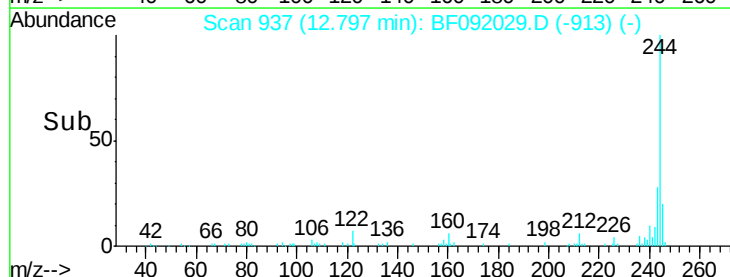
122 7.2 11.4 17.2#

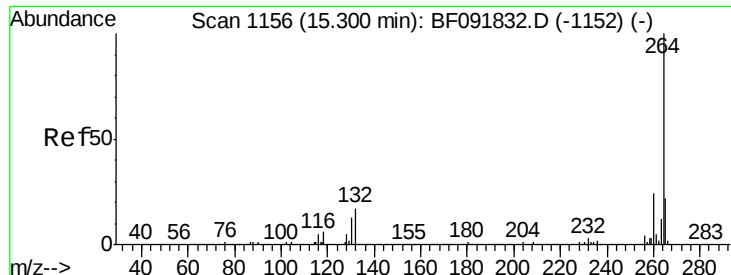


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

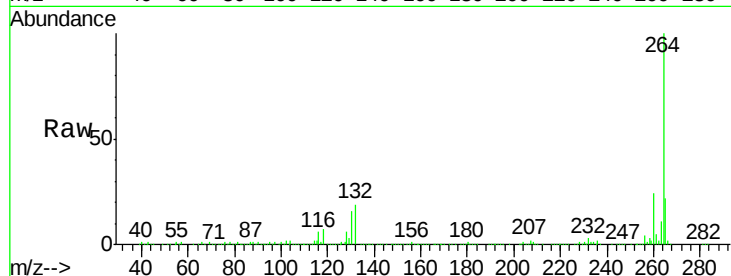




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.03 min
Lab File: BF092029.D
Acq: 29 Dec 2016 17:38

Instrument :
BNA_F
ClientSampleId :
MW-1DL

Tgt Ion: 264 Resp: 431162
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 21.5 17.4 26.0



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

