

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
 Data File : BF092432.D
 Acq On : 24 Jan 2017 16:47
 Operator : UM/SJ
 Sample : I1304-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-15939-COMP

Quant Time: Jan 24 17:12:57 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	152639	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	605788	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	295650	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	465639	20.00	ng	-0.01
75) Chrysene-d12	14.16	240	339727	20.00	ng	-0.01
86) Perylene-d12	15.63	264	302978	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	1347230	137.32	ng	0.02
7) Phenol-d6	6.59	99	1498011	119.87	ng	0.00
23) Nitrobenzene-d5	7.53	82	1026803	92.59	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	256536	127.33	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1433699	89.67	ng	-0.01
78) Terphenyl-d14	13.11	244	1051334	82.41	ng	-0.01

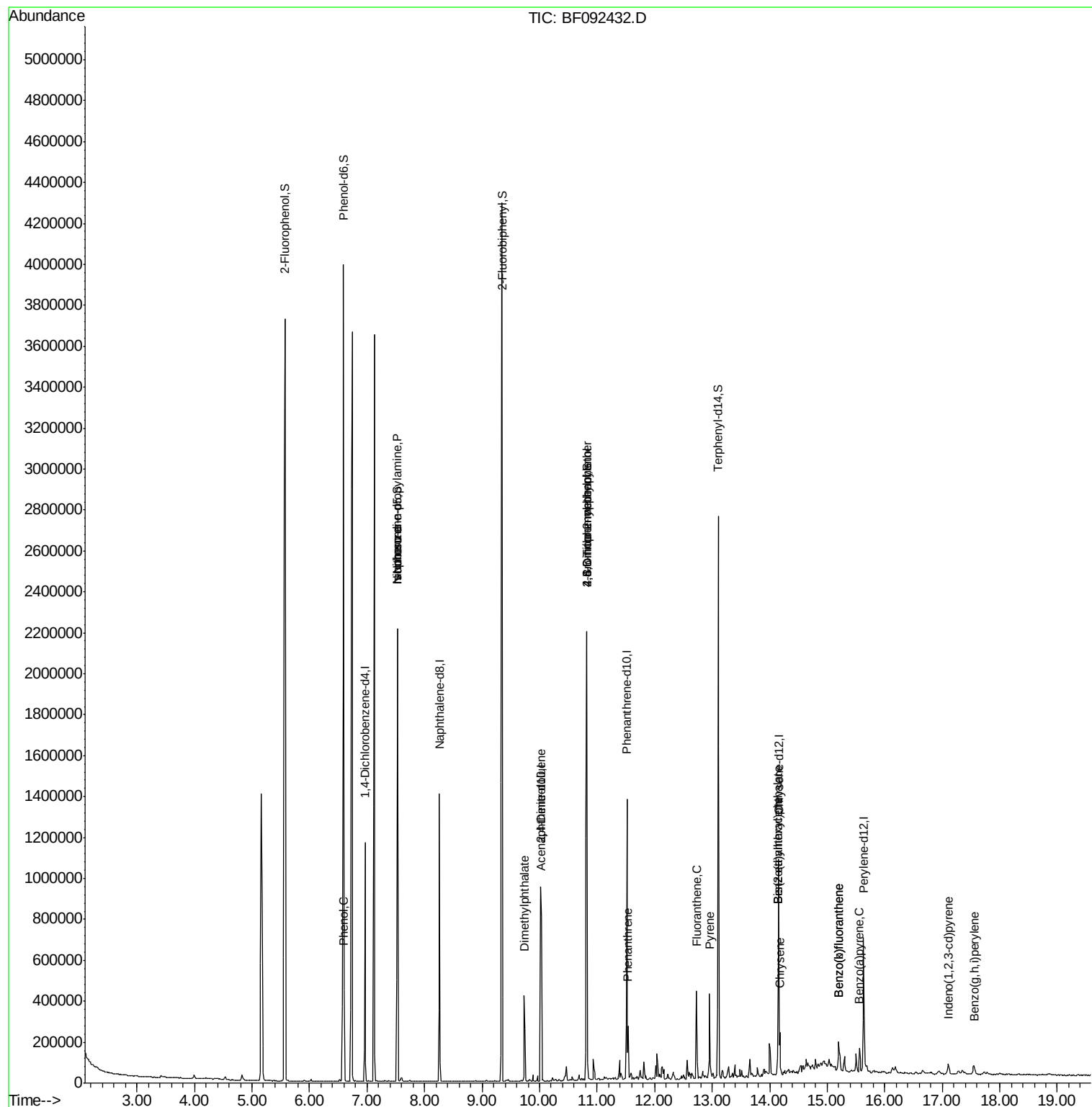
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.60	94	76931	5.10	ng	# 70
19) n-Nitroso-di-n-propylamine	7.53	70	135490	15.92	ng	# 88
25) Isophorone	7.53	82	915069	41.87	ng	# 65
49) Dimethylphthalate	9.73	163	213745	11.37	ng	# 97
56) 2,4-Dinitrotoluene	10.02	165	37615	7.37	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.82	198	859	5.26	ng	# 1
66) 4-Bromophenyl-phenylether	10.82	248	20351	4.33	ng	# 1
70) Phenanthrene	11.54	178	87978	3.43	ng	98
74) Fluoranthene	12.73	202	156264	6.23	ng	98
77) Pyrene	12.96	202	157479	6.40	ng	97
80) Benzo(a)anthracene	14.15	228	65042	3.56	ng	94
82) Chrysene	14.18	228	59740	3.06	ng	96
83) Bis(2-ethylhexyl)phthalate	14.15	149	36240	2.89	ng	100
85) Indeno(1,2,3-cd)pyrene	17.11	276	35477	2.46	ng	# 85
87) Benzo(b)fluoranthene	15.20	252	107904	5.55	ng	97
88) Benzo(k)fluoranthene	15.20	252	107904	6.67	ng	# 96
89) Benzo(a)pyrene	15.56	252	56476	3.43	ng	# 94
91) Benzo(g,h,i)perylene	17.55	276	39323	2.92	ng	# 89

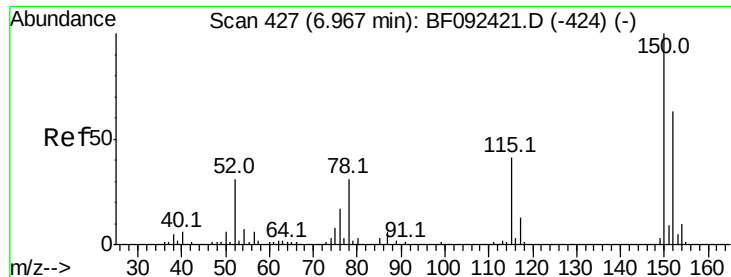
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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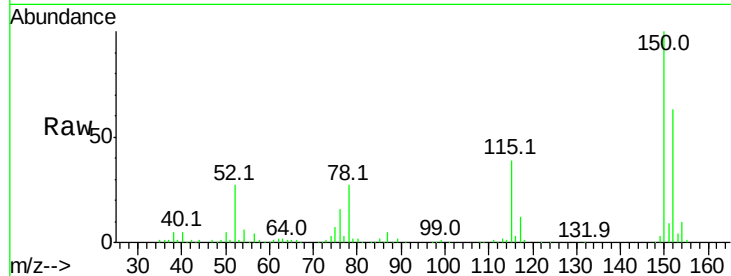


#1

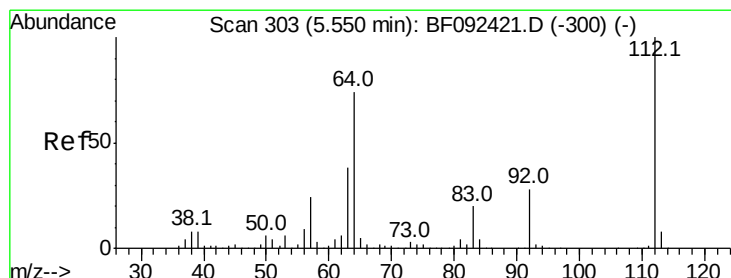
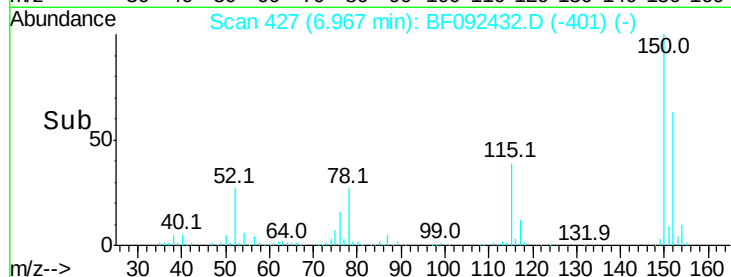
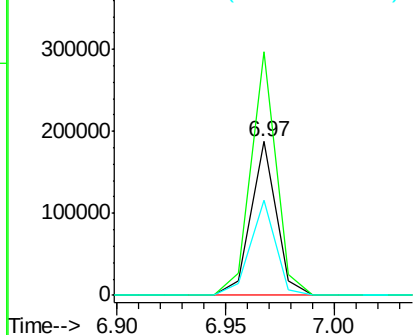
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. 0.00 min
Lab File: BF092432.D
Acq: 24 Jan 2017 16:47

Instrument :
BNA_F
ClientSampleId :
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Tot Ion:152 Resp: 152639
Ion Ratio Lower Upper
152 100
150 158.2 124.9 187.3
115 62.1 46.0 69.0



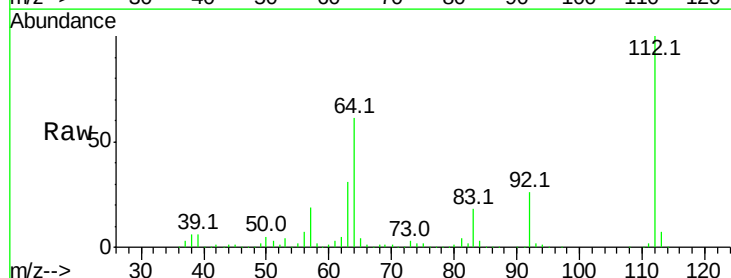
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



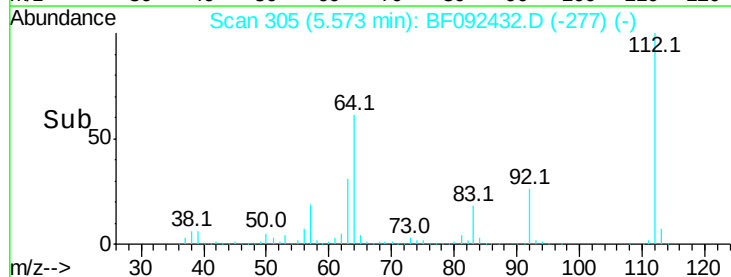
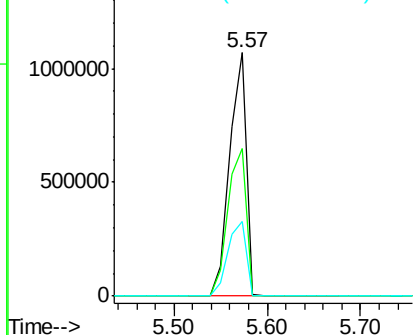
#5

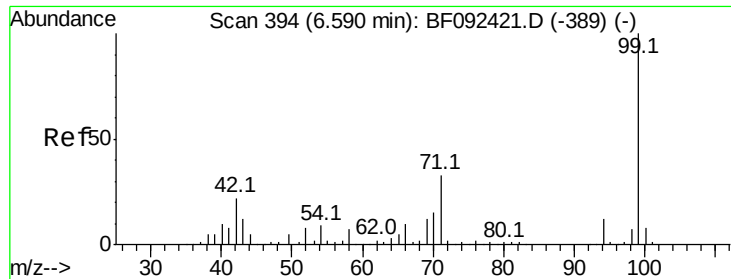
2-Fluorophenol
Concen: 137.32 ng
RT: 5.57 min Scan# 305
Delta R.T. 0.02 min
Lab File: BF092432.D
Acq: 24 Jan 2017 16:47

Tgt Ion:112 Resp: 1347230
Ion Ratio Lower Upper
112 100
64 60.7 46.1 69.1
63 30.8 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: 119.87 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.00 min

Lab File: BF092432.D

Acq: 24 Jan 2017 16:47

Instrument :

BNA_F

ClientSampleId :

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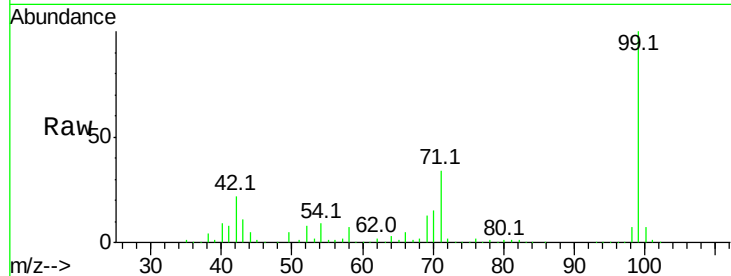
Tot Ion: 99 Resp: 1498011

Ion Ratio Lower Upper

99 100

42 22.1 15.6 23.4

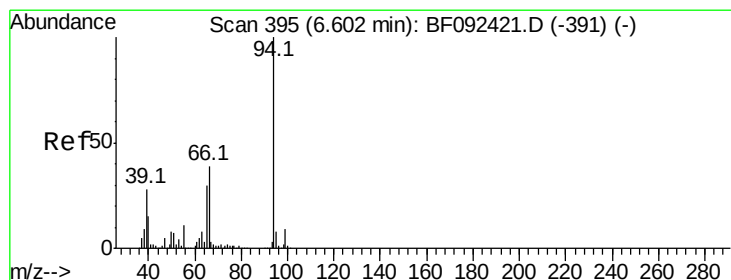
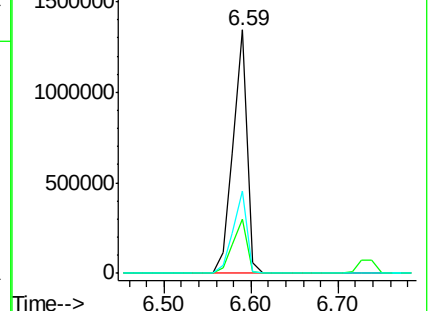
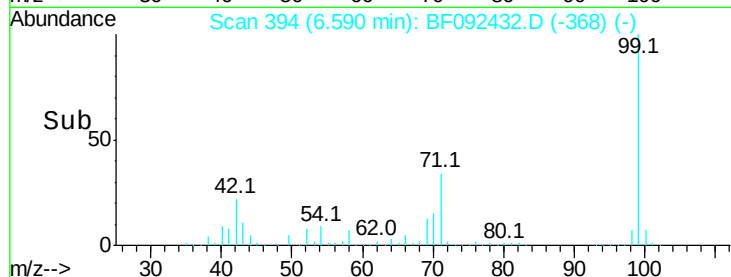
71 33.6 27.5 41.3



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: 5.10 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.00 min

Lab File: BF092432.D

Acq: 24 Jan 2017 16:47

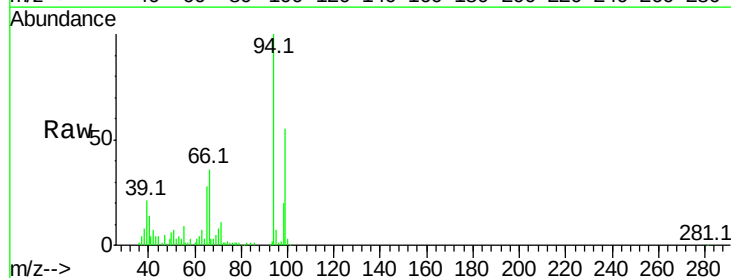
Tgt Ion: 94 Resp: 76931

Ion Ratio Lower Upper

94 100

65 28.2 21.4 61.4

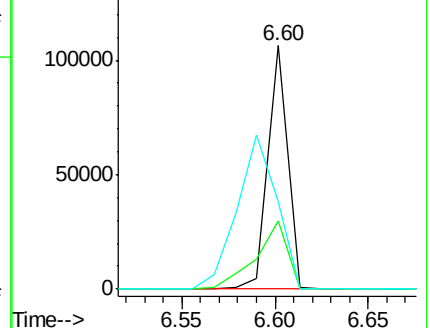
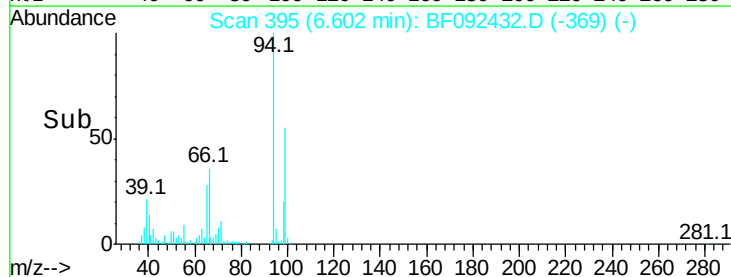
66 36.0 44.0 84.0#

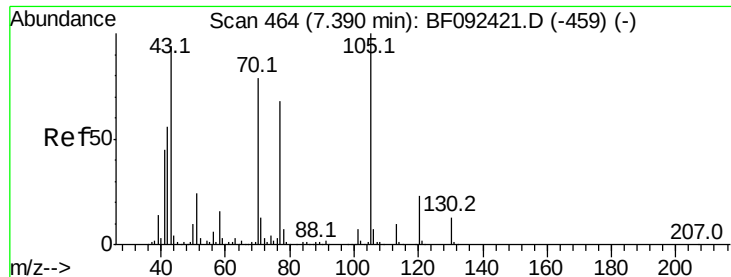


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

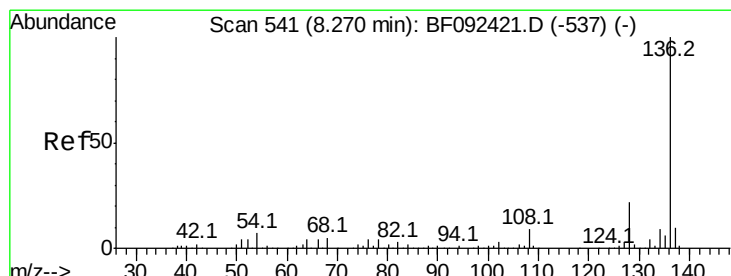
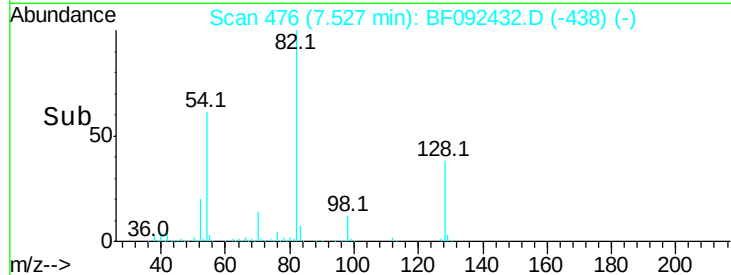
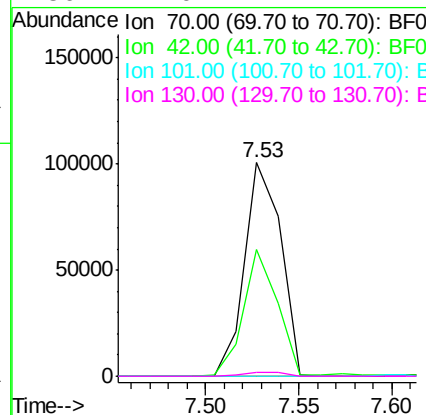
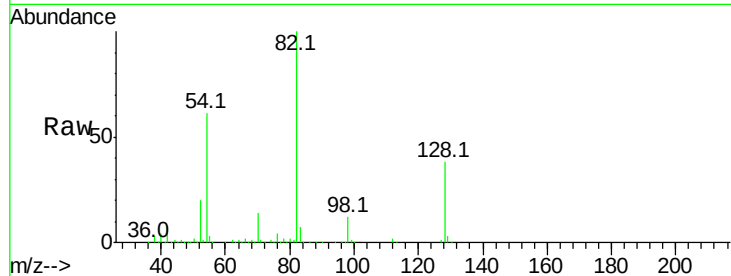




#19
n-Nitroso-di-n-propylamine
Concen: 15.92 ng
RT: 7.53 min Scan# 476
Delta R.T. 0.14 min
Lab File: BF092432.D
Acq: 24 Jan 2017 16:47

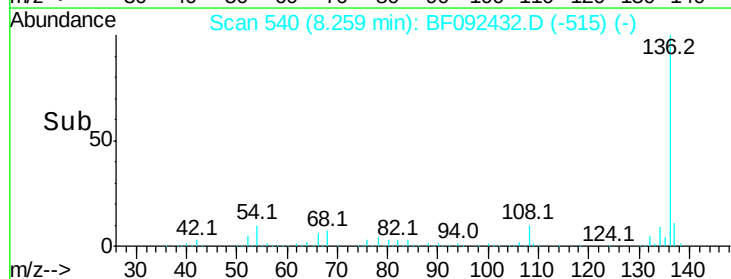
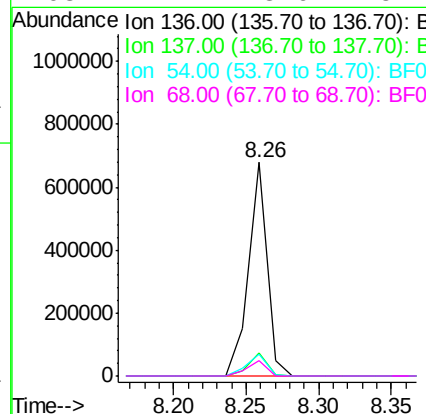
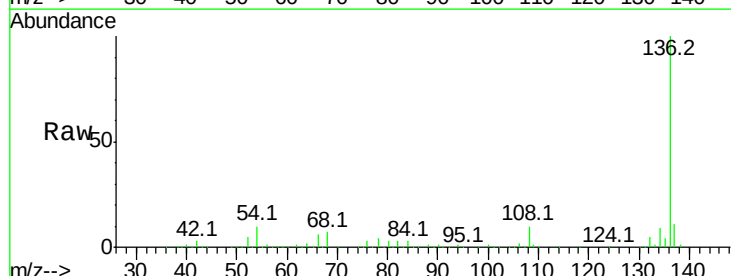
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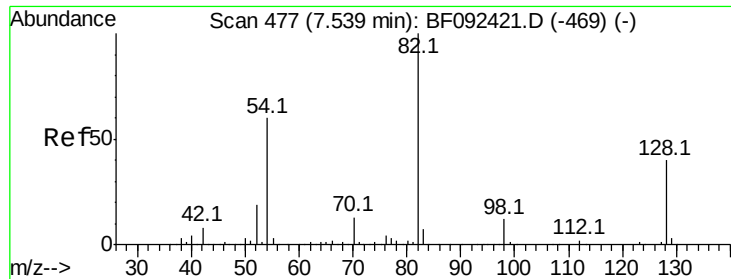
Tot Ion: 70 Resp: 135490
Ion Ratio Lower Upper
70 100
42 59.2 49.4 74.0
101 0.0 7.4 11.2#
130 2.0 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF092432.D
Acq: 24 Jan 2017 16:47

Tgt Ion:136 Resp: 605788
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 10.2 4.5 6.7#
68 7.4 3.6 5.4#

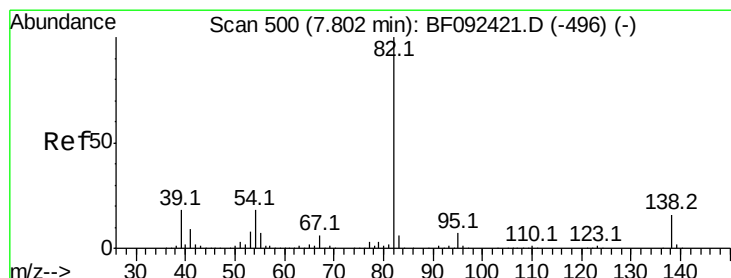
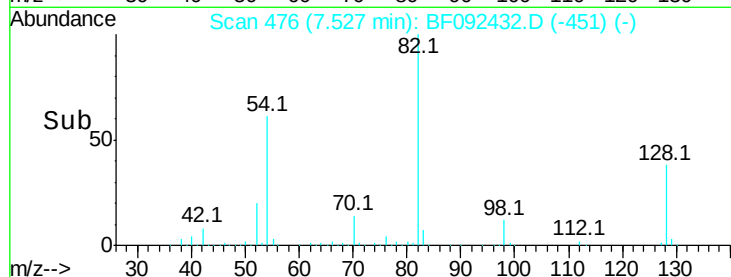
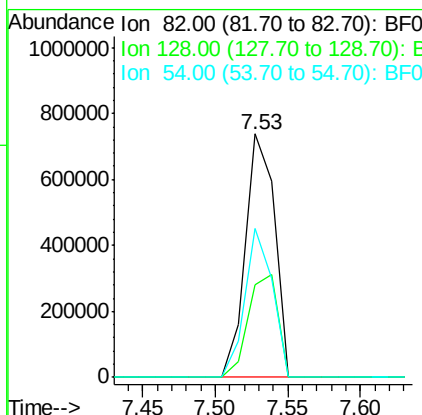
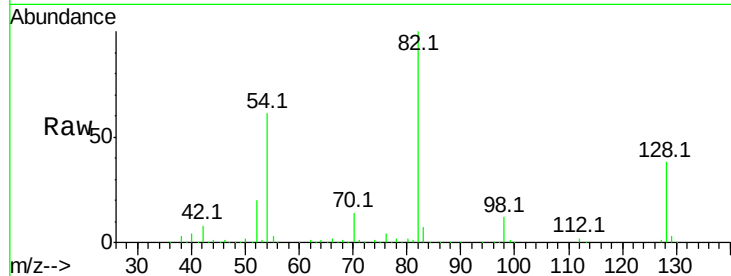




#23
Nitrobenzene-d5
Concen: 92.59 ng
RT: 7.53 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF092432.D
Acq: 24 Jan 2017 16:47

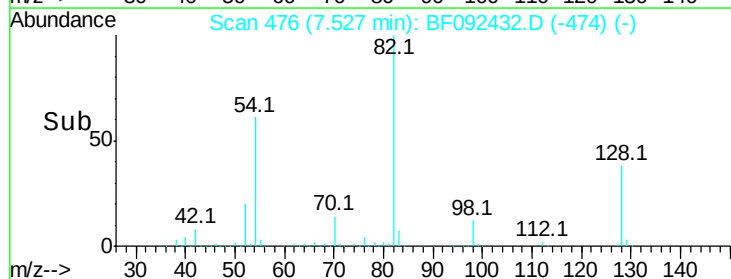
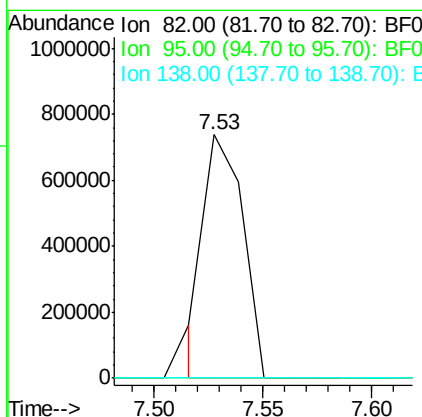
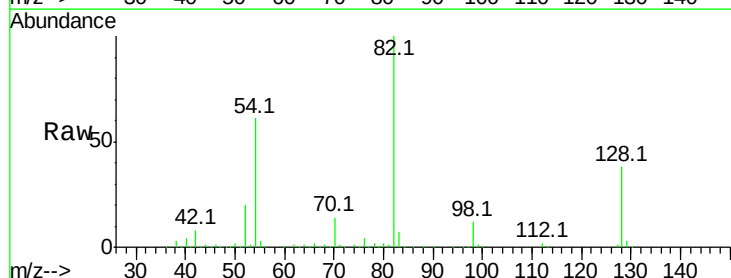
Instrument :
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ClientSampleId :
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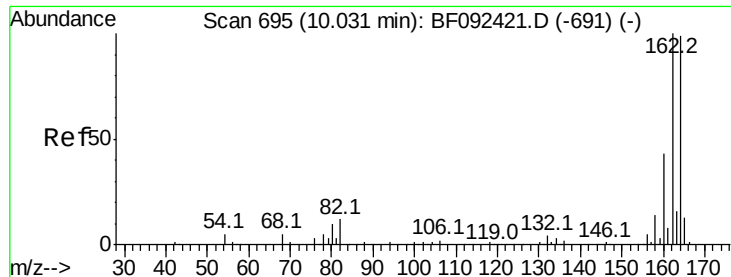
Tot Ion: 82 Resp: 1026803
Ion Ratio Lower Upper
82 100
128 37.9 34.6 52.0
54 60.9 39.5 59.3#



#25
Isophorone
Concen: 41.87 ng
RT: 7.53 min Scan# 476
Delta R.T. -0.27 min
Lab File: BF092432.D
Acq: 24 Jan 2017 16:47

Tgt Ion: 82 Resp: 915069
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 22.0#

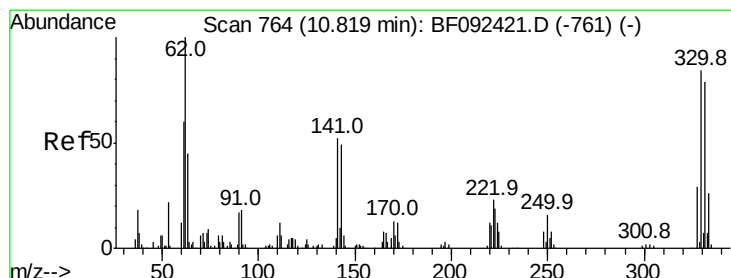
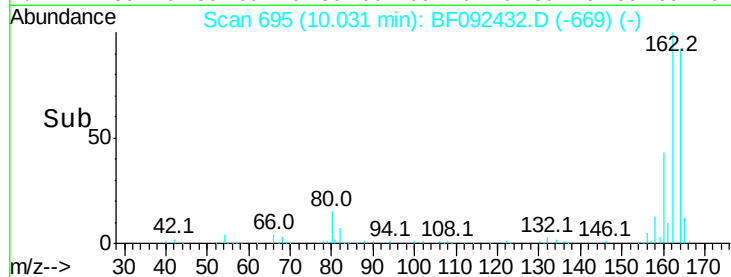
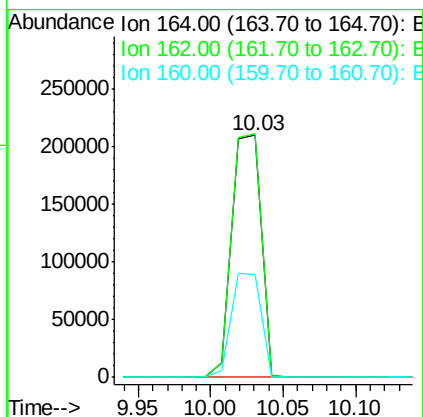
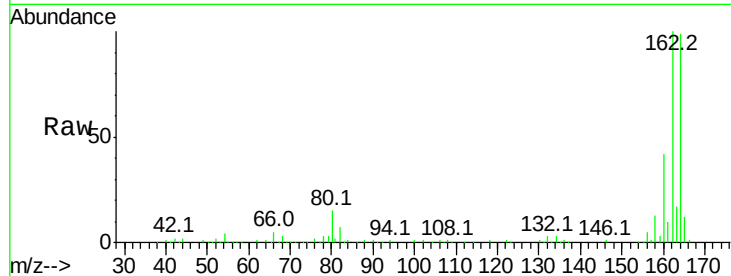




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.03 min Scan# 695
Delta R.T. 0.00 min
Lab File: BF092432.D
Acq: 24 Jan 2017 16:47

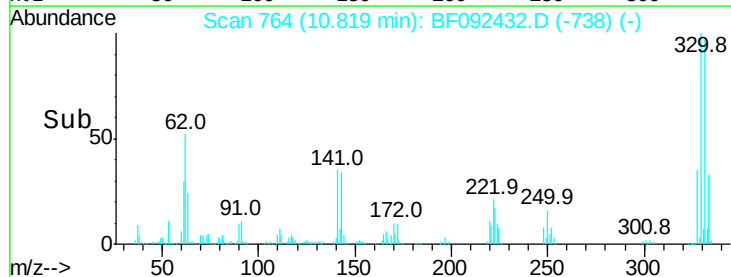
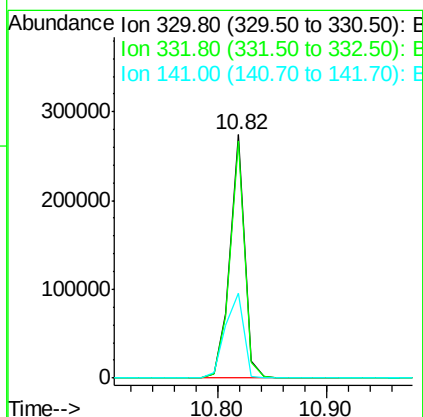
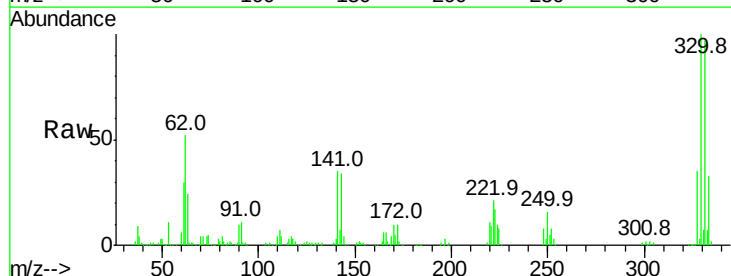
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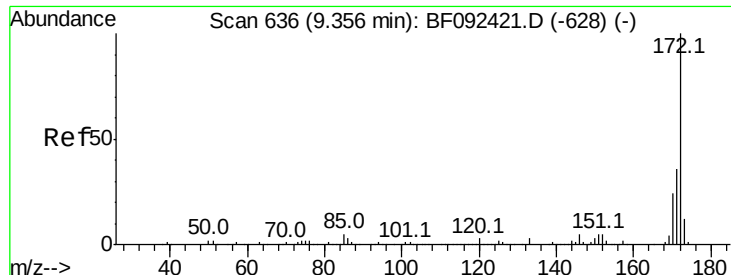
Tot Ion:164 Resp: 295650
Ion Ratio Lower Upper
164 100
162 100.6 80.2 120.2
160 42.4 36.9 55.3



#41
2,4,6-Tribromophenol
Concen: 127.33 ng
RT: 10.82 min Scan# 764
Delta R.T. 0.00 min
Lab File: BF092432.D
Acq: 24 Jan 2017 16:47

Tgt Ion:330 Resp: 256536
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.2
141 44.2 34.1 51.1

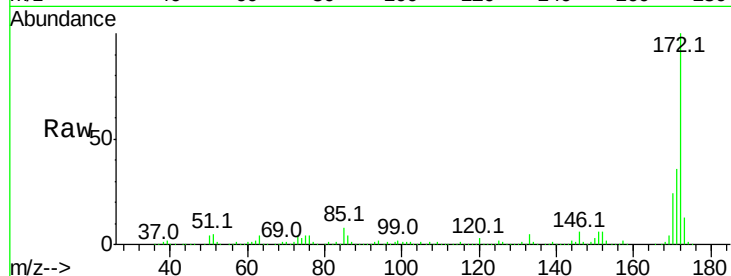




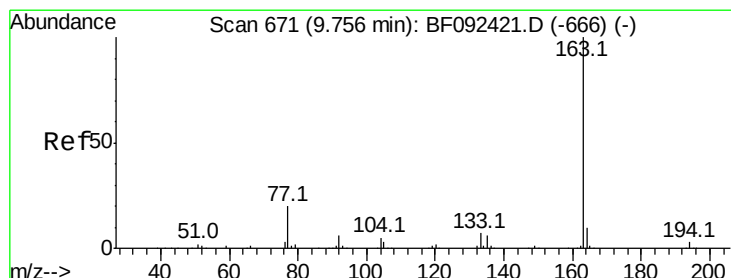
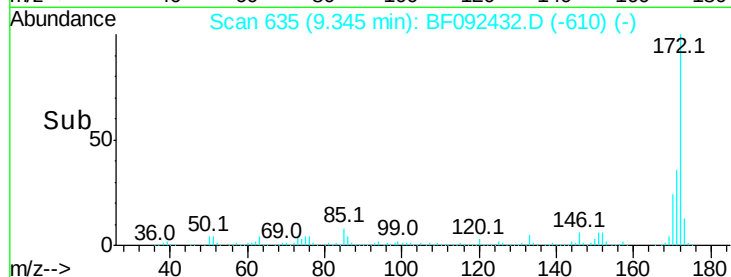
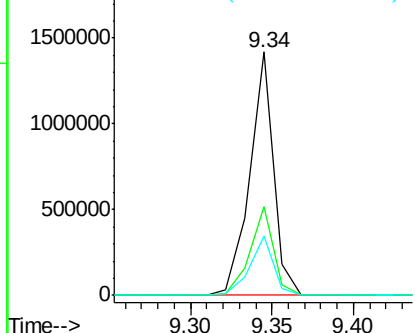
#44
 2-Fluorobiphenyl
 Concen: 89.67 ng
 RT: 9.34 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF092432.D
 Acq: 24 Jan 2017 16:47

Instrument :
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Tot Ion:172 Resp: 1433699
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.5 20.2 30.4

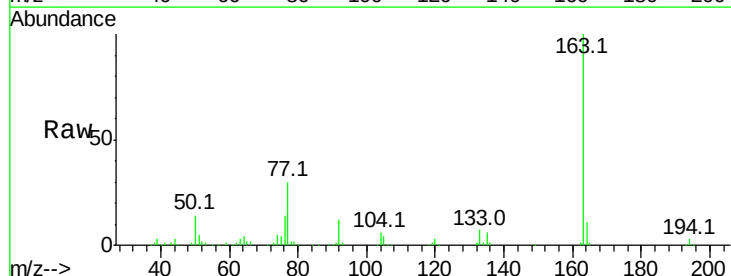


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

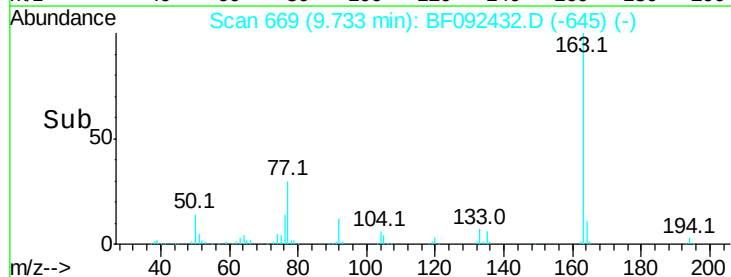
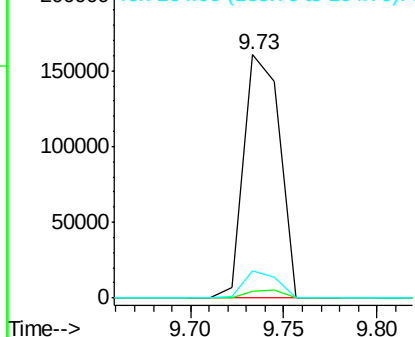


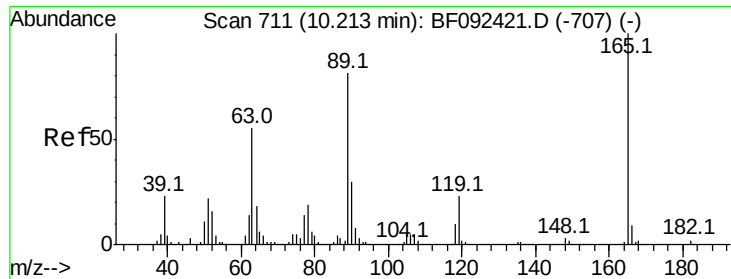
#49
 Dimethylphthalate
 Concen: 11.37 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.02 min
 Lab File: BF092432.D
 Acq: 24 Jan 2017 16:47

Tgt Ion:163 Resp: 213745
 Ion Ratio Lower Upper
 163 100
 194 2.7 3.0 4.4#
 164 11.0 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

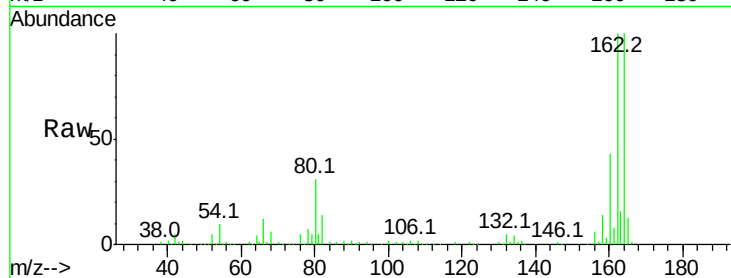




#56
2,4-Dinitrotoluene
Concen: 7.37 ng
RT: 10.02 min Scan# 694
Delta R.T. -0.19 min
Lab File: BF092432.D
Acq: 24 Jan 2017 16:47

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15939-COMP

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	40.2	60.4#
89	1.2	62.5	93.7#
182	0.0	1.8	2.8#

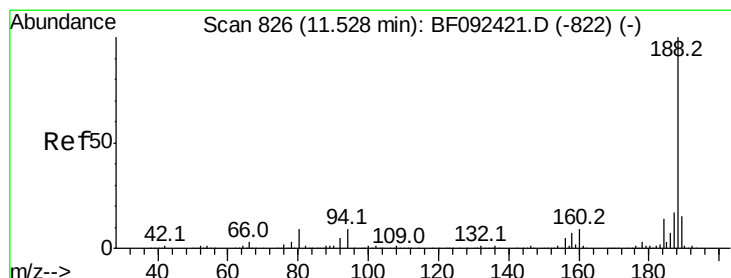
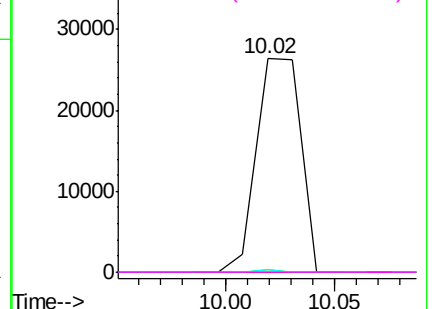
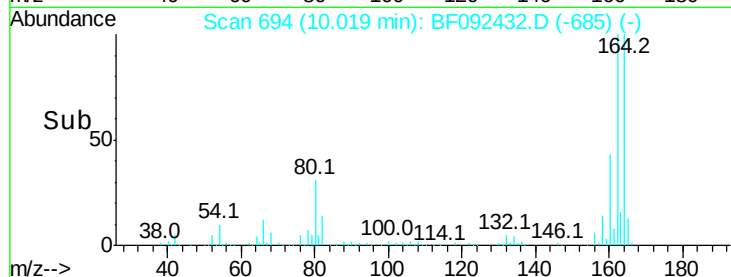


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

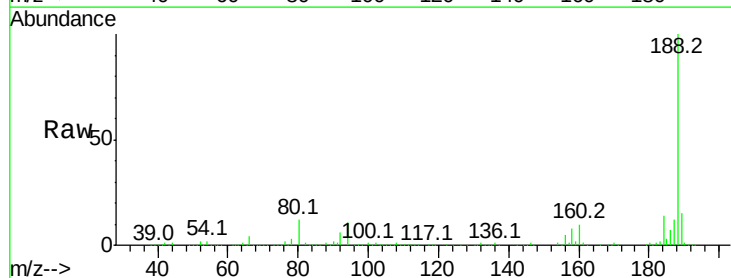
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.52 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF092432.D
Acq: 24 Jan 2017 16:47

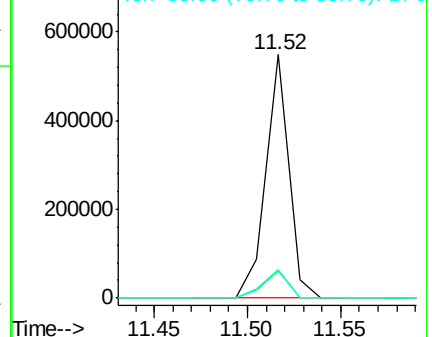
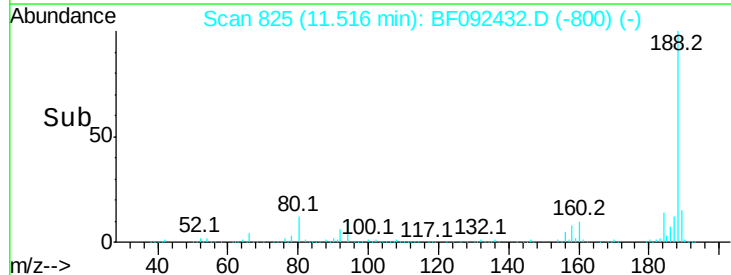
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	10.0	15.0
80	11.6	11.2	16.8

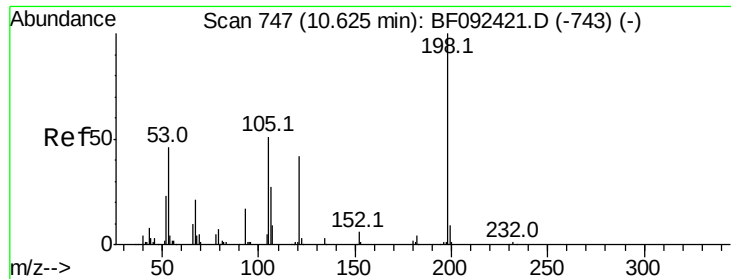


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 5.26 ng

RT: 10.82 min Scan# 764

Delta R.T. 0.20 min

Lab File: BF092432.D

Acq: 24 Jan 2017 16:47

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-15939-COMP

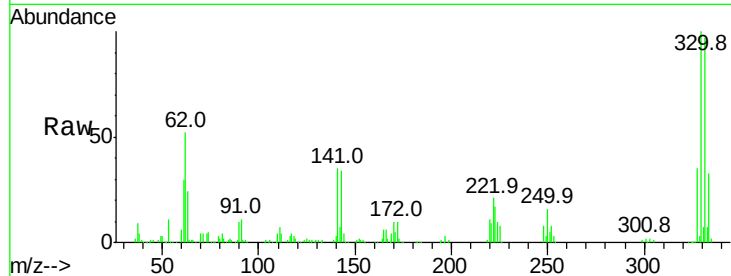
Tot Ion:198 Resp: 859

Ion Ratio Lower Upper

198 100

51 134.9 6.7 46.7#

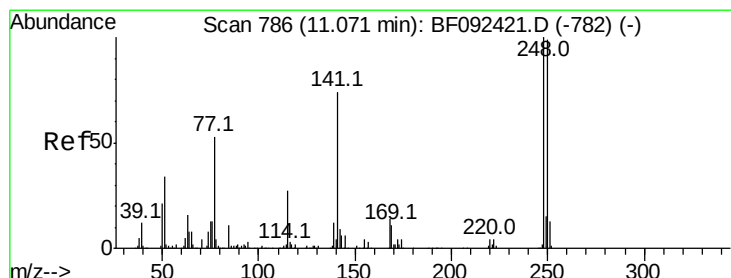
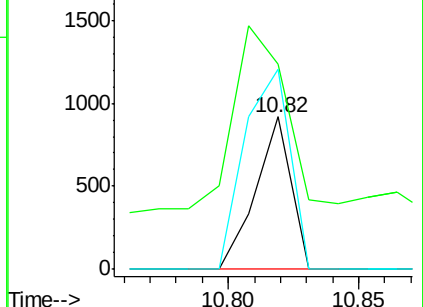
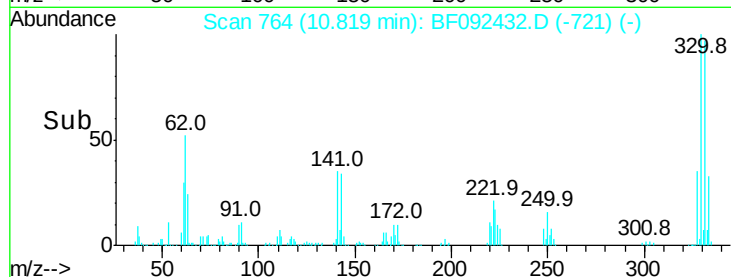
105 131.4 16.6 56.6#



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: 4.33 ng

RT: 10.82 min Scan# 764

Delta R.T. -0.25 min

Lab File: BF092432.D

Acq: 24 Jan 2017 16:47

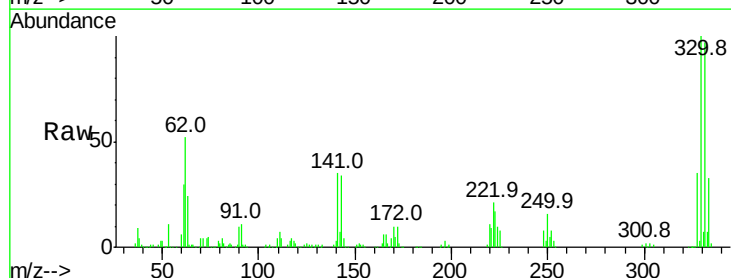
Tgt Ion:248 Resp: 20351

Ion Ratio Lower Upper

248 100

250 201.2 76.9 115.3#

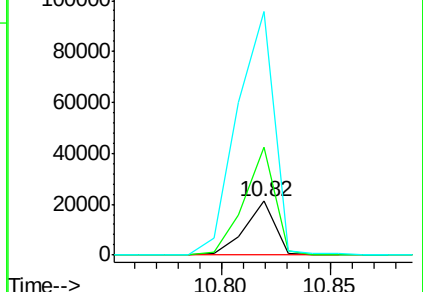
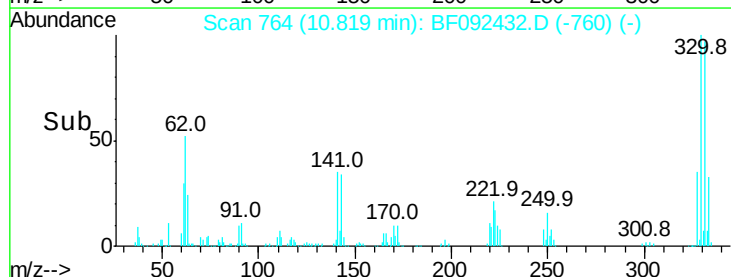
141 451.9 68.2 102.4#

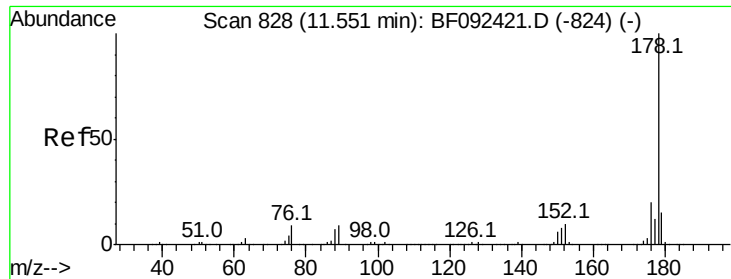


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

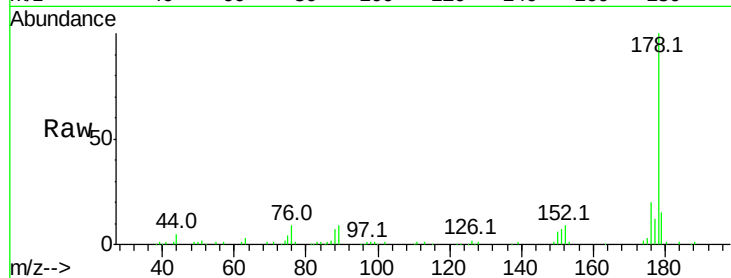




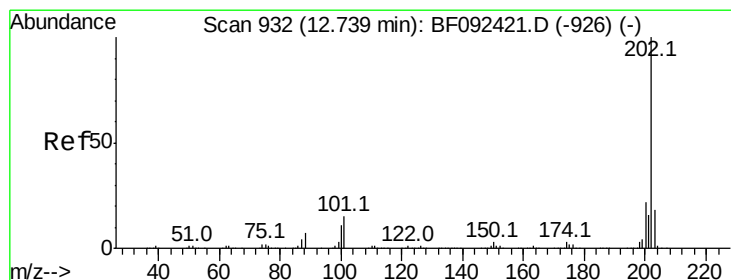
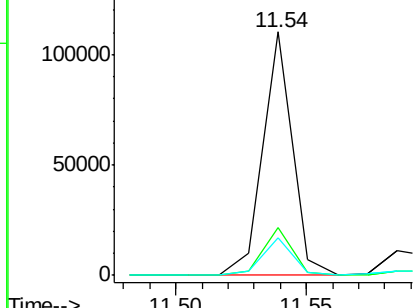
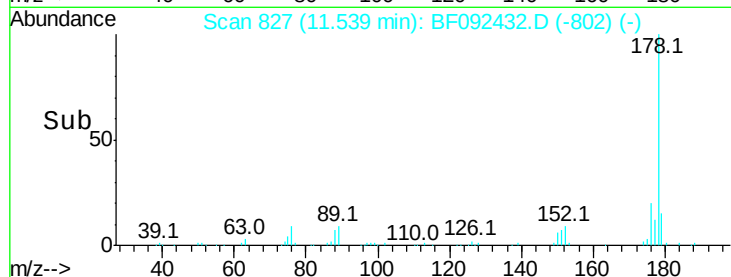
#70
Phenanthrene
Concen: 3.43 ng
RT: 11.54 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF092432.D
Acq: 24 Jan 2017 16:47

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15939-COMP

Tot Ion:178 Resp: 87978
Ion Ratio Lower Upper
178 100
176 19.6 16.6 25.0
179 15.3 12.8 19.2

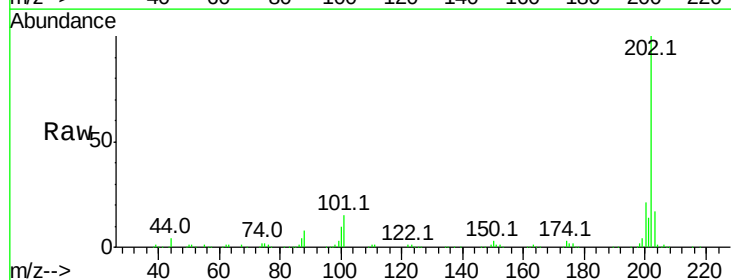


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

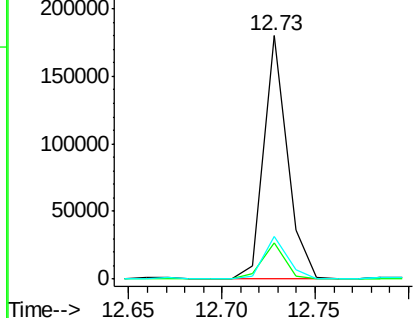
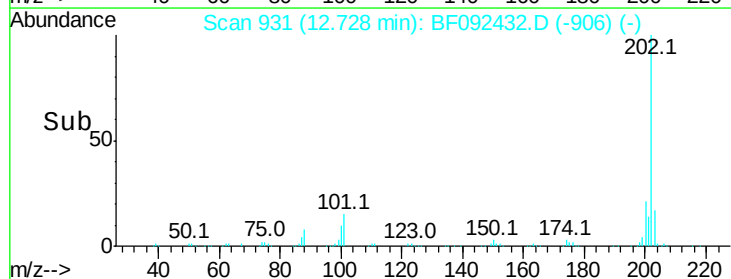


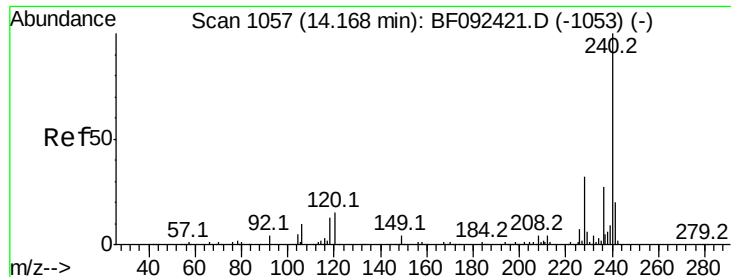
#74
Fluoranthene
Concen: 6.23 ng
RT: 12.73 min Scan# 931
Delta R.T. -0.01 min
Lab File: BF092432.D
Acq: 24 Jan 2017 16:47

Tgt Ion:202 Resp: 156264
Ion Ratio Lower Upper
202 100
101 14.9 0.0 34.6
203 17.4 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: 14.16 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BF092432.D

Acq: 24 Jan 2017 16:47

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-15939-COMP

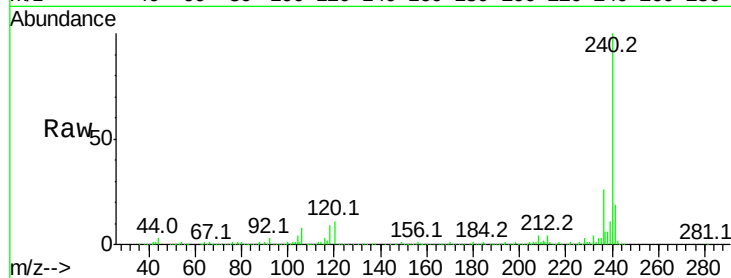
Tot Ion:240 Resp: 339727

Ion Ratio Lower Upper

240 100

120 11.4 12.9 19.3#

236 26.4 20.9 31.3

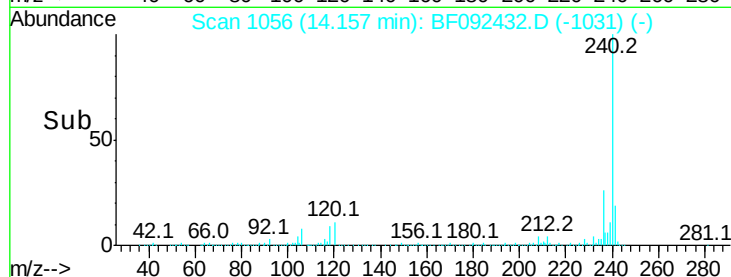


Abundance Ion 240.00 (239.70 to 240.70): E

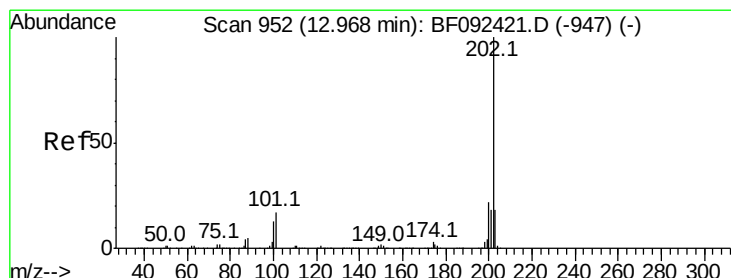
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

14.16



Time-->



#77

Pyrene

Concen: 6.40 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF092432.D

Acq: 24 Jan 2017 16:47

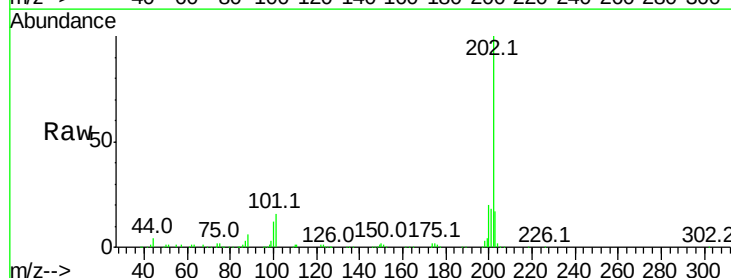
Tgt Ion:202 Resp: 157479

Ion Ratio Lower Upper

202 100

200 20.4 17.7 26.5

203 17.3 14.7 22.1

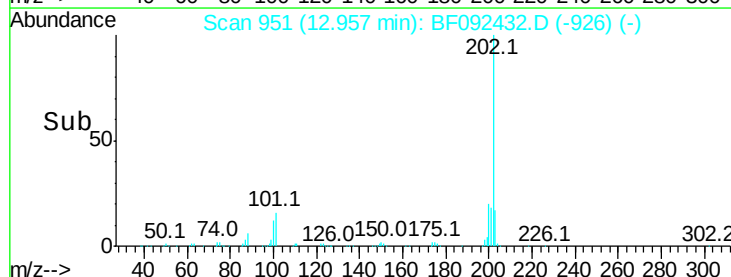


Abundance Ion 202.00 (201.70 to 202.70): E

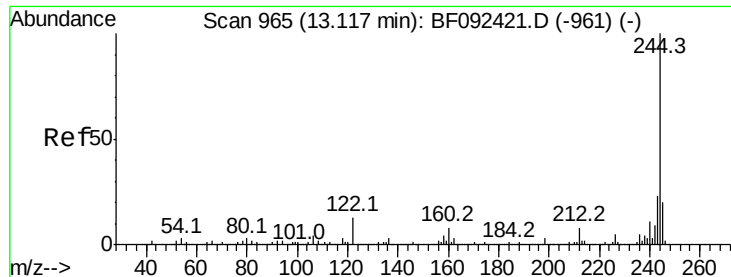
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

12.96



Time-->



#78

Terphenyl-d14

Concen: 82.41 ng

RT: 13.11 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092432.D

Acq: 24 Jan 2017 16:47

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-15939-COMP

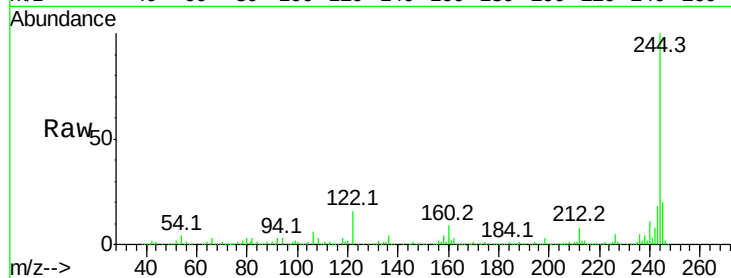
Tot Ion:244 Resp: 1051334

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

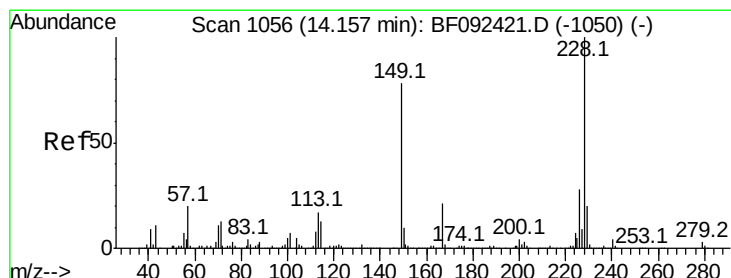
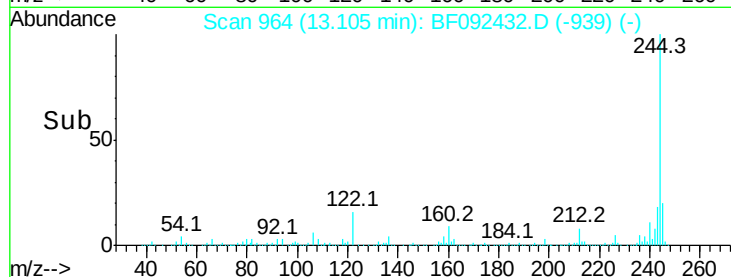
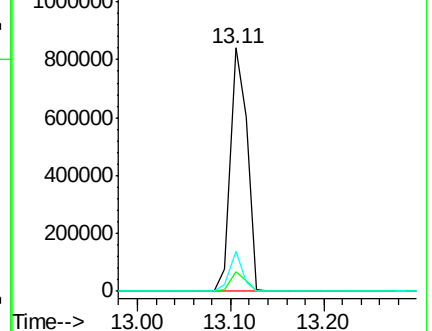
122 16.3 11.4 17.2



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



#80

Benzo(a)anthracene

Concen: 3.56 ng

RT: 14.15 min Scan# 1055

Delta R.T. -0.01 min

Lab File: BF092432.D

Acq: 24 Jan 2017 16:47

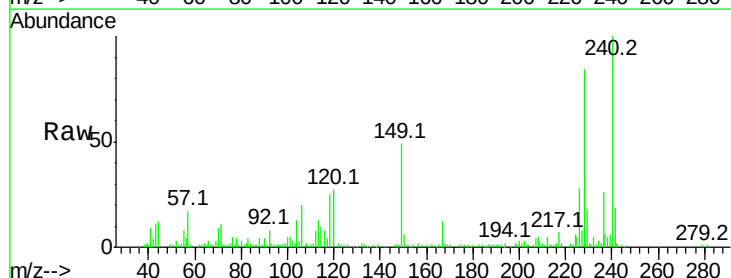
Tgt Ion:228 Resp: 65042

Ion Ratio Lower Upper

228 100

226 32.8 22.4 33.6

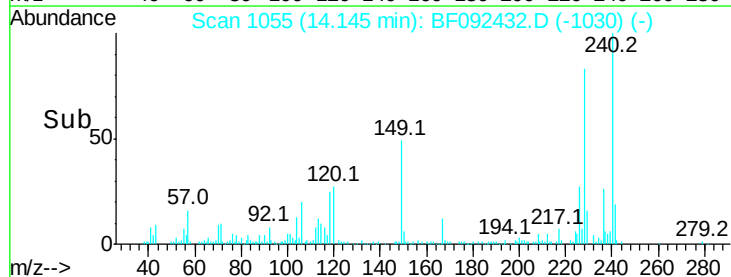
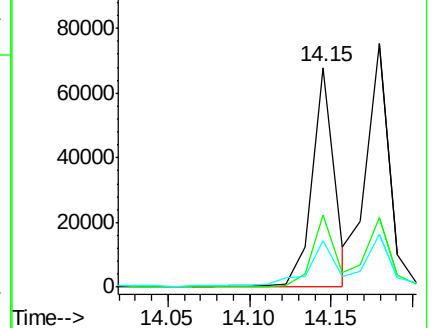
229 20.9 16.2 24.4

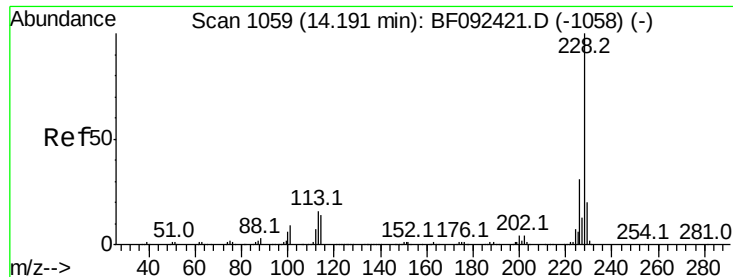


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.06 ng

RT: 14.18 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BF092432.D

Acq: 24 Jan 2017 16:47

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-15939-COMP

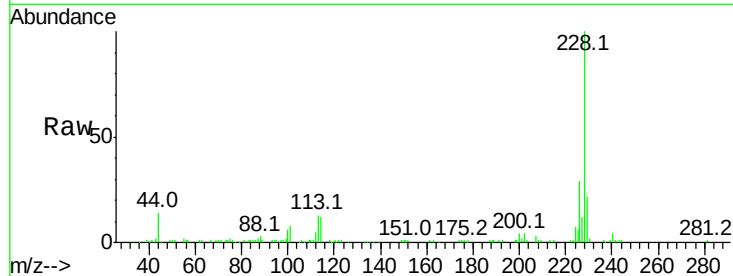
Tot Ion:228 Resp: 59740

Ion Ratio Lower Upper

228 100

226 28.8 25.4 38.0

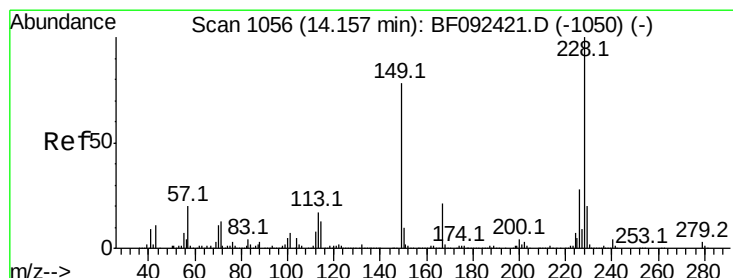
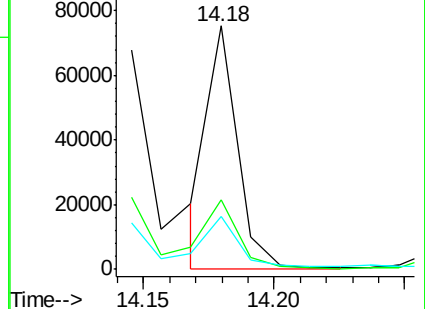
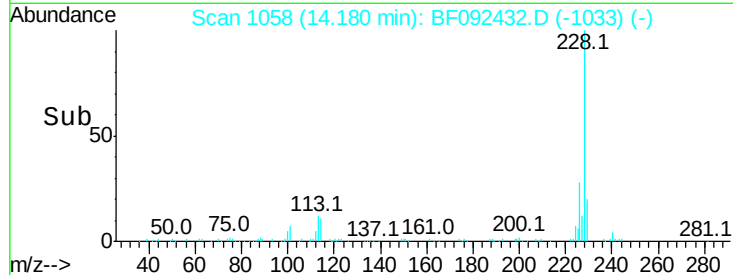
229 21.5 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.89 ng

RT: 14.15 min Scan# 1055

Delta R.T. -0.01 min

Lab File: BF092432.D

Acq: 24 Jan 2017 16:47

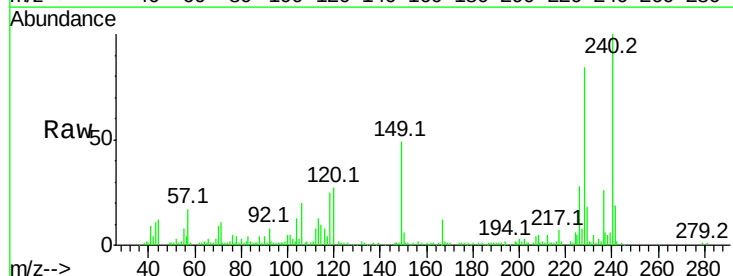
Tgt Ion:149 Resp: 36240

Ion Ratio Lower Upper

149 100

167 25.2 20.2 30.4

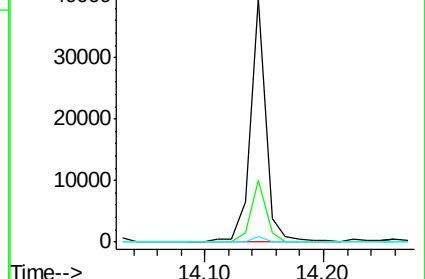
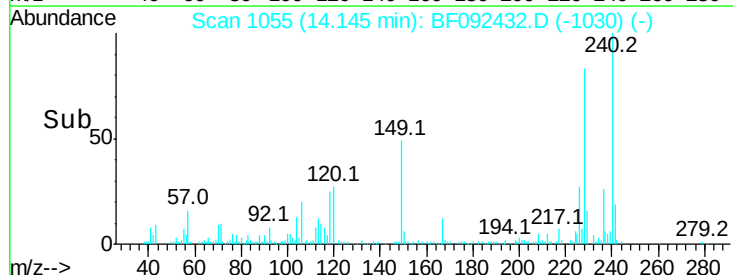
279 2.1 1.8 2.8

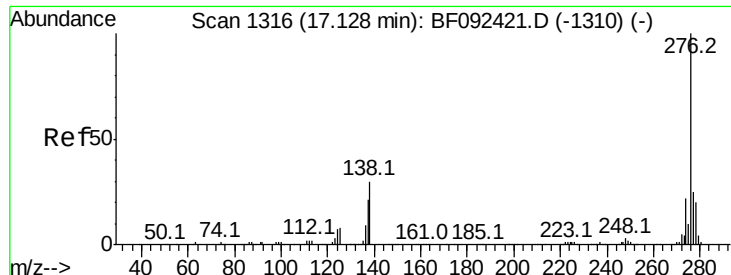


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

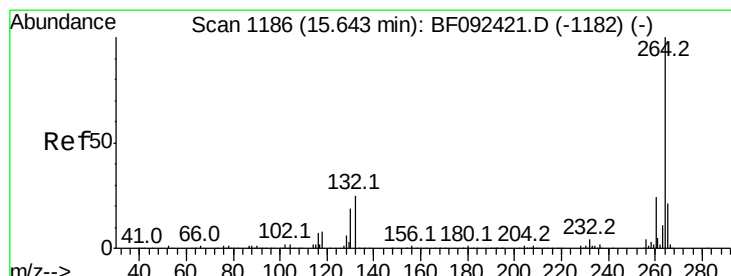
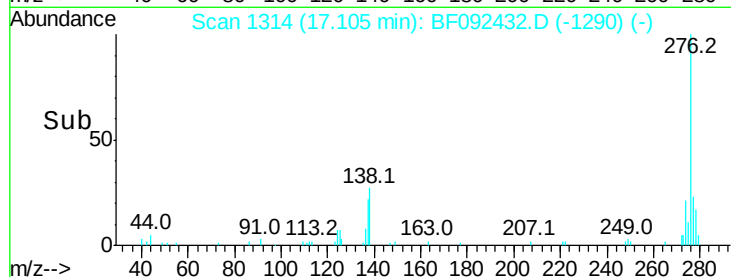
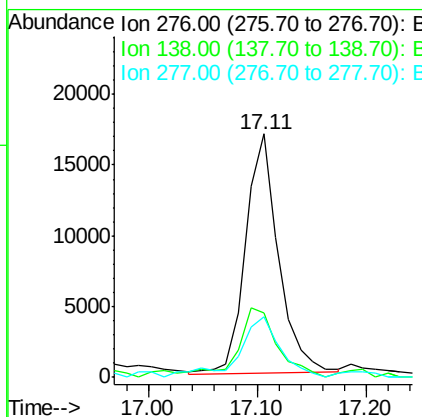
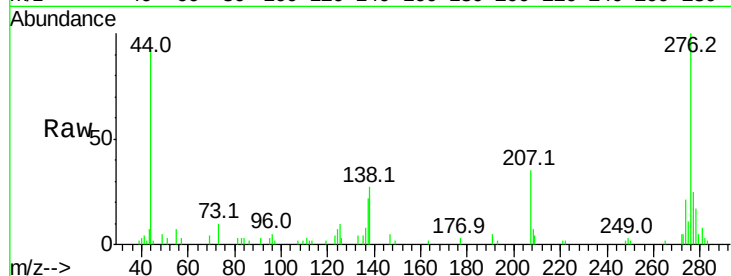




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.46 ng
 RT: 17.11 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: BF092432.D
 Acq: 24 Jan 2017 16:47

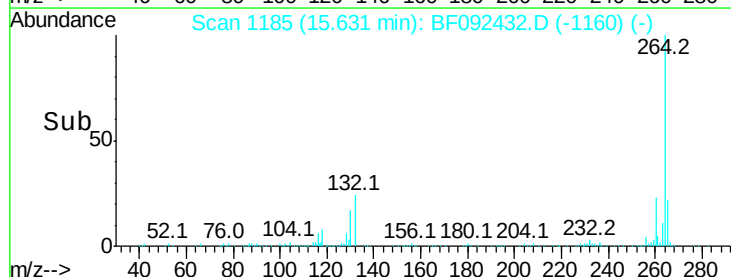
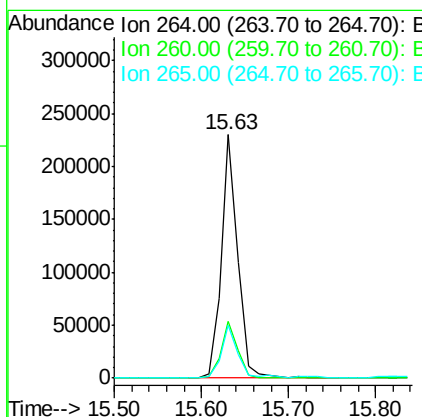
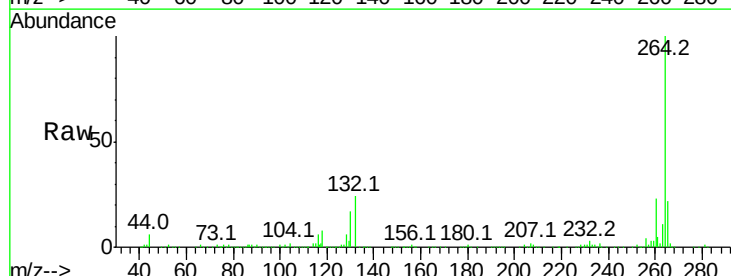
Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-15939-COMP

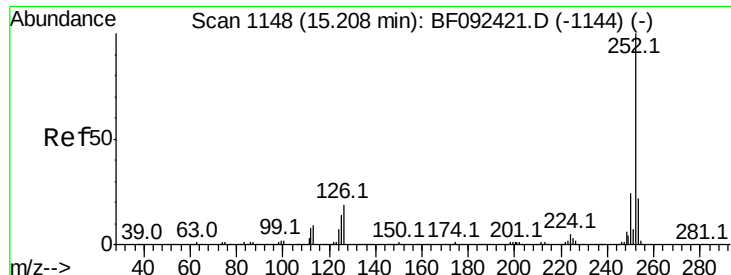
Tot Ion:276 Resp: 35477
 Ion Ratio Lower Upper
 276 100
 138 35.4 21.8 32.6#
 277 32.0 20.2 30.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.63 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF092432.D
 Acq: 24 Jan 2017 16:47

Tgt Ion:264 Resp: 302978
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.2 28.8
 265 21.8 17.4 26.0

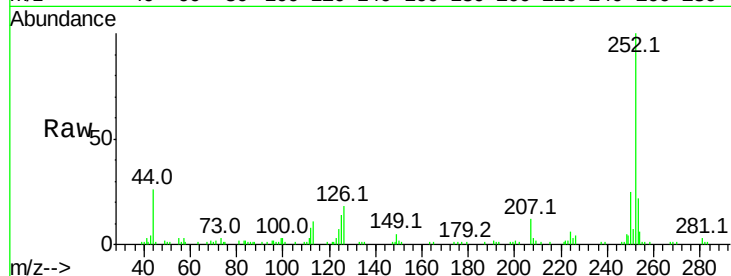




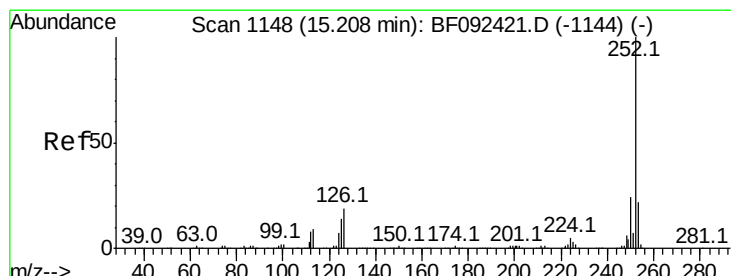
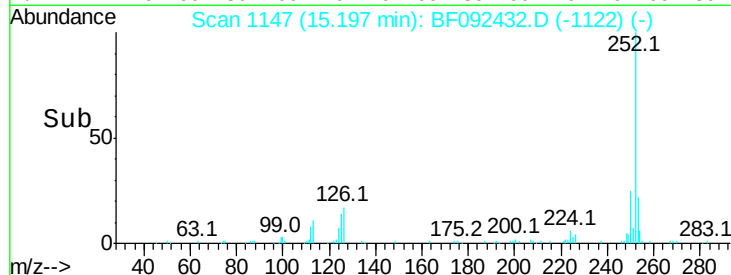
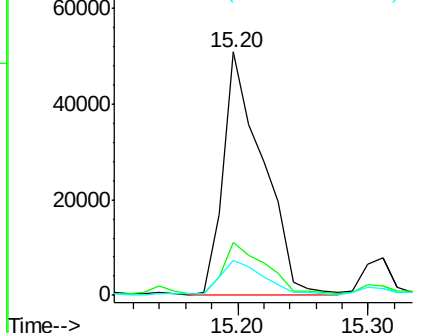
#87
Benzo(b)fluoranthene
Concen: 5.55 ng
RT: 15.20 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF092432.D
Acq: 24 Jan 2017 16:47

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15939-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.4
125	14.2	9.8	14.6

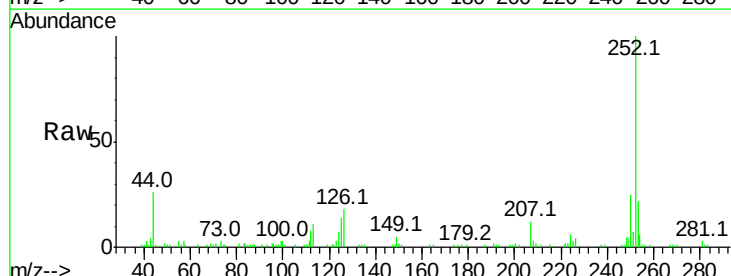


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

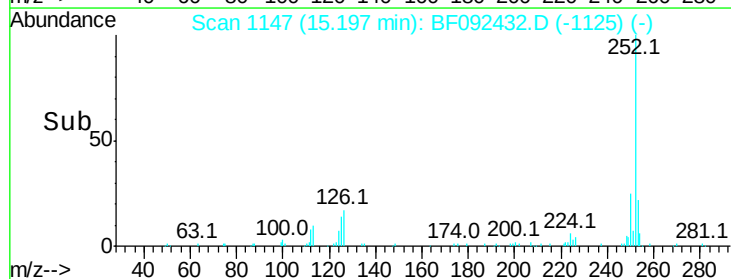
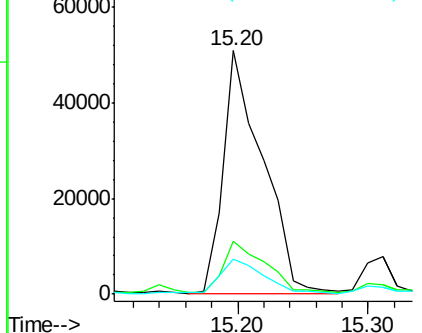


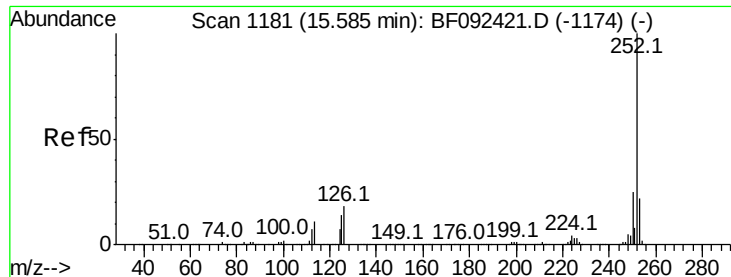
#88
Benzo(k)fluoranthene
Concen: 6.67 ng
RT: 15.20 min Scan# 1147
Delta R.T. -0.05 min
Lab File: BF092432.D
Acq: 24 Jan 2017 16:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.5	27.7
125	14.2	8.9	13.3#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.43 ng

RT: 15.56 min Scan# 1179

Delta R.T. -0.02 min

Lab File: BF092432.D

Acq: 24 Jan 2017 16:47

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-15939-COMP

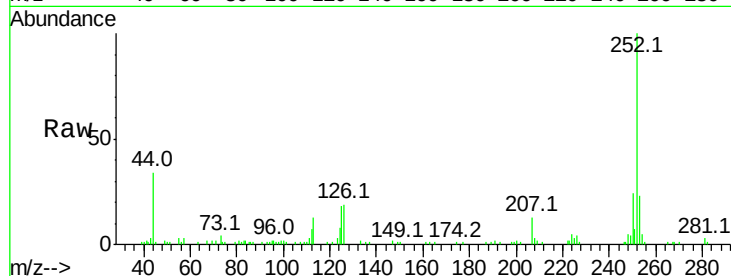
Tot Ion:252 Resp: 56476

Ion Ratio Lower Upper

252 100

253 22.6 18.2 27.2

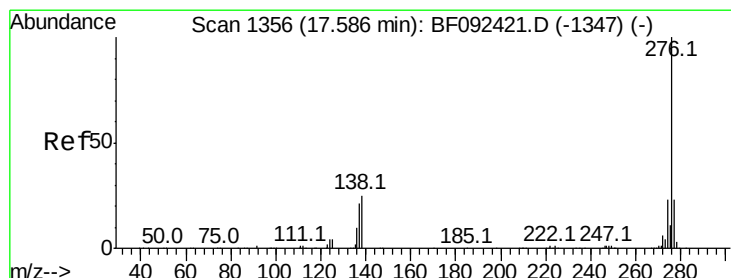
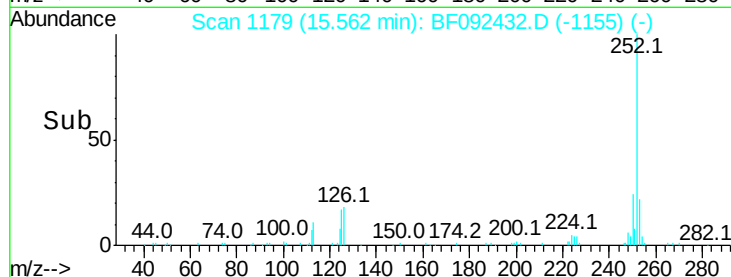
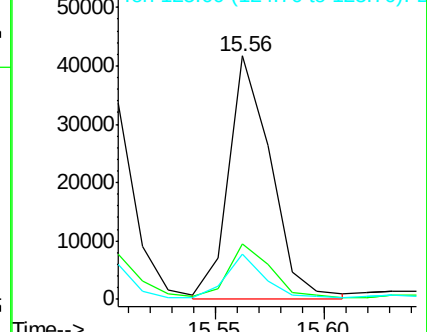
125 18.4 10.0 15.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 2.92 ng

RT: 17.55 min Scan# 1353

Delta R.T. -0.03 min

Lab File: BF092432.D

Acq: 24 Jan 2017 16:47

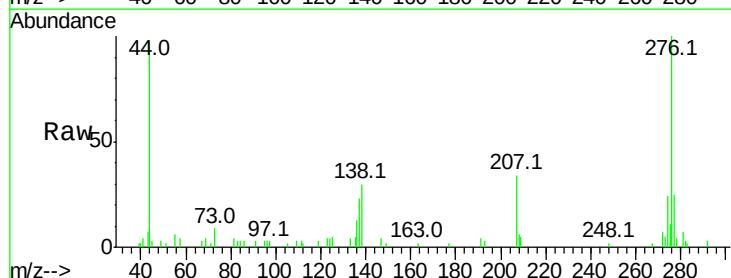
Tgt Ion:276 Resp: 39323

Ion Ratio Lower Upper

276 100

277 25.1 19.2 28.8

138 29.9 16.0 24.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

