

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011017\
 Data File : BF092193.D
 Acq On : 10 Jan 2017 20:21
 Operator : UM/SJ
 Sample : I1079-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 USDOT-617122-COMP-0-2

Quant Time: Jan 11 00:51:13 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	6.63	152	151757	20.00	ng	-0.01
21) Naphthalene-d8	7.91	136	650932	20.00	ng	-0.02
38) Acenaphthene-d10	9.67	164	377843	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	613039	20.00	ng	-0.01
75) Chrysene-d12	13.79	240	453356	20.00	ng	0.00
86) Perylene-d12	15.16	264	334018	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.24	112	1073768	118.14	ng	0.00
7) Phenol-d6	6.30	99	1266525	114.14	ng	-0.01
23) Nitrobenzene-d5	7.20	82	977953	83.54	ng	-0.01
41) 2,4,6-Tribromophenol	10.46	330	346060	110.67	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	1346419	70.87	ng	-0.01
78) Terphenyl-d14	12.74	244	1453608	77.76	ng	0.00

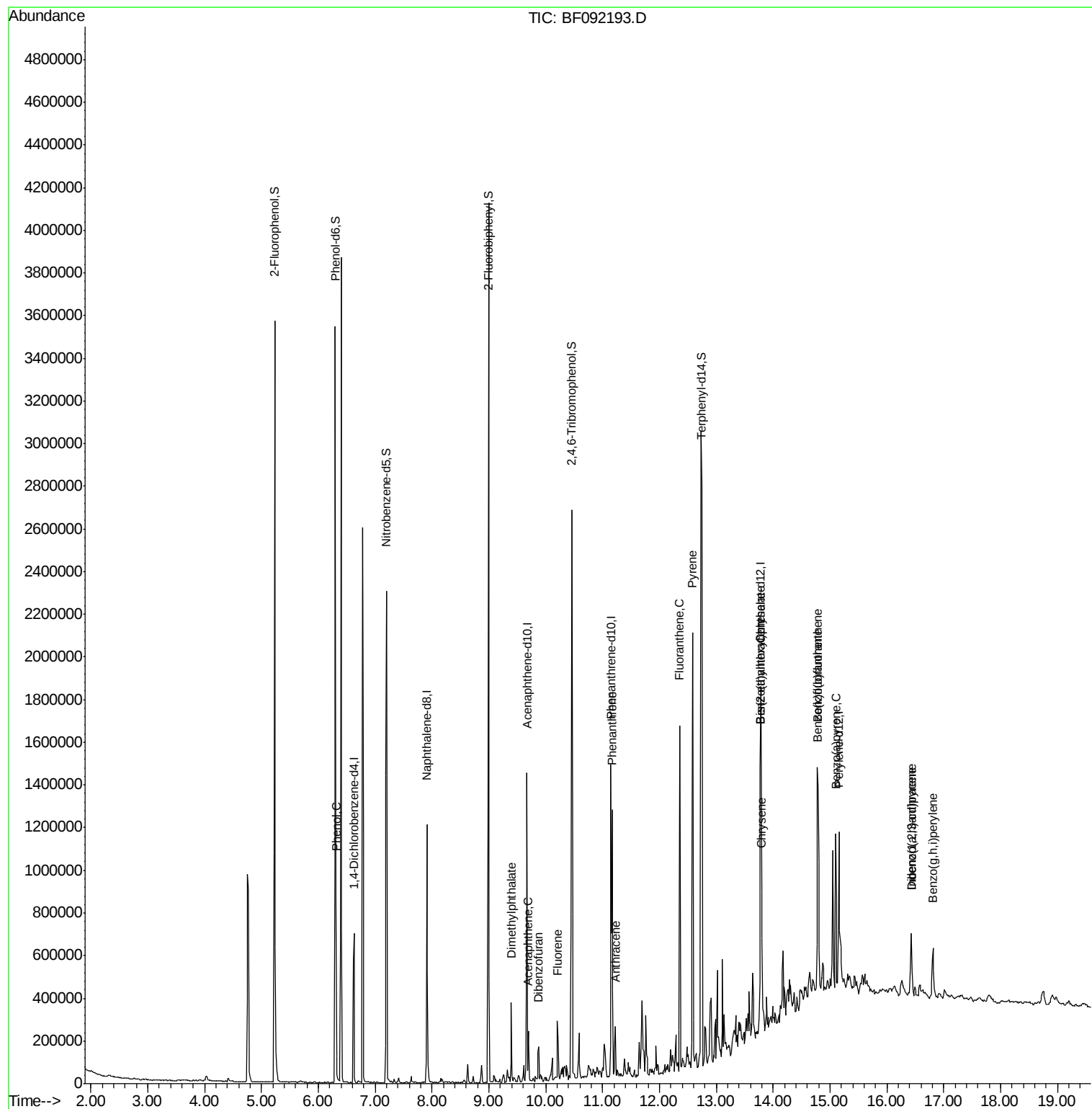
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.31	94	103395	8.18	ng	# 75
49) Dimethylphthalate	9.40	163	154698	6.40	ng	99
51) Acenaphthene	9.69	154	74452	3.49	ng	97
54) Dibenzofuran	9.88	168	83260	2.89	ng	93
57) Fluorene	10.21	166	101922	4.86	ng	98
70) Phenanthrene	11.17	178	498708	15.00	ng	98
71) Anthracene	11.22	178	107390	2.25	ng	96
74) Fluoranthene	12.36	202	606590	18.55	ng	97
77) Pyrene	12.58	202	830319	24.96	ng	98
80) Benzo(a)anthracene	13.77	228	312437m	12.21	ng	
82) Chrysene	13.80	228	300203m	11.69	ng	
83) Bis(2-ethylhexyl)phthalate	13.77	149	72341	4.06	ng	99
85) Indeno(1,2,3-cd)pyrene	16.44	276	197907	8.90	ng	97
87) Benzo(b)fluoranthene	14.78	252	593530m	28.54	ng	
88) Benzo(k)fluoranthene	14.79	252	243880m	13.75	ng	
89) Benzo(a)pyrene	15.10	252	378858	20.53	ng	98
90) Dibenzo(a,h)anthracene	16.44	278	68934	4.54	ng	95
91) Benzo(g,h,i)perylene	16.81	276	186659	11.83	ng	97

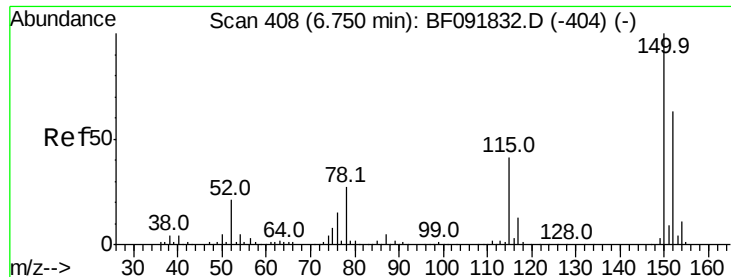
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 415

Delta R.T. -0.01 min

Lab File: BF092193.D

Acq: 10 Jan 2017 20:21

Instrument :

BNA_F

ClientSampleId :

USDOT-617122-COMP-0-2

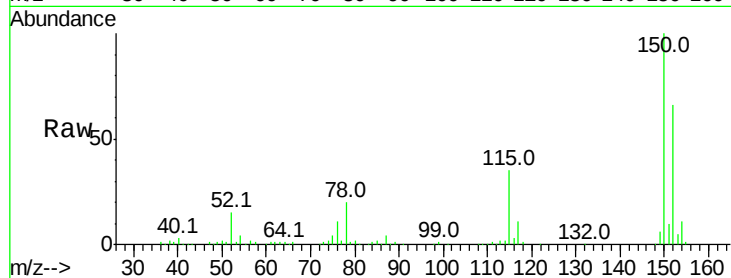
Tot Ion:152 Resp: 151757

Ion Ratio Lower Upper

152 100

150 151.8 124.9 187.3

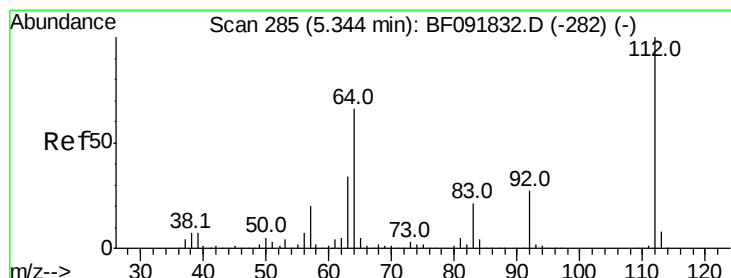
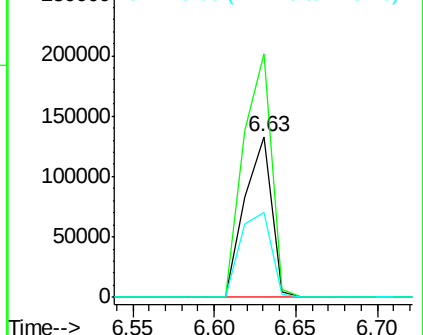
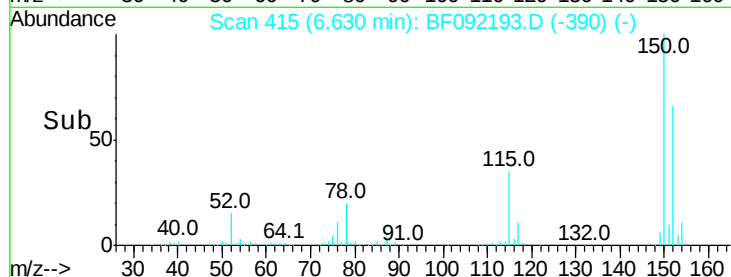
115 53.2 46.0 69.0



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: 118.14 ng

RT: 5.24 min Scan# 293

Delta R.T. 0.00 min

Lab File: BF092193.D

Acq: 10 Jan 2017 20:21

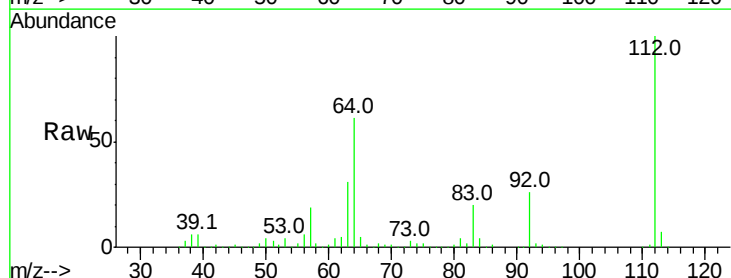
Tgt Ion:112 Resp: 1073768

Ion Ratio Lower Upper

112 100

64 61.1 46.1 69.1

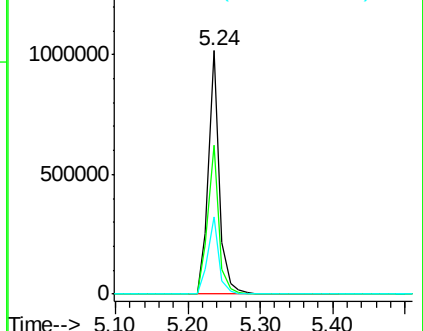
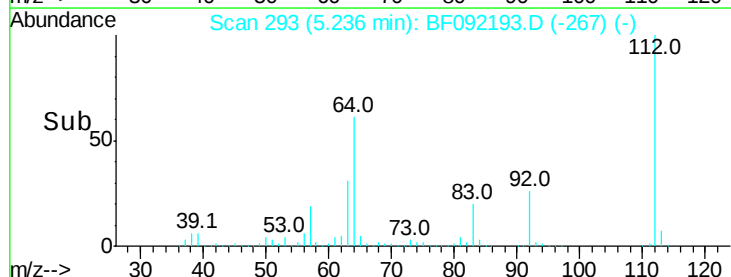
63 31.5 23.8 35.6

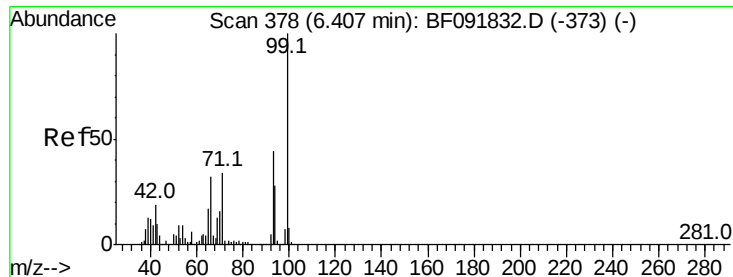


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 114.14 ng

RT: 6.30 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF092193.D

Acq: 10 Jan 2017 20:21

Instrument :

BNA_F

ClientSampleId :

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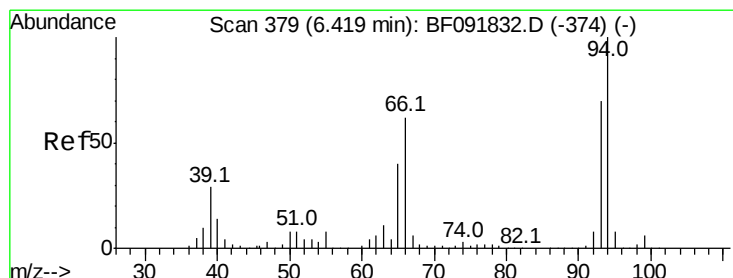
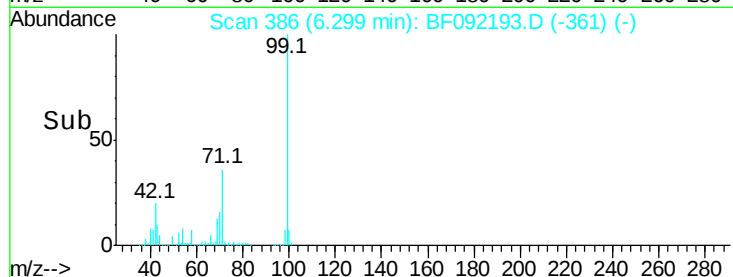
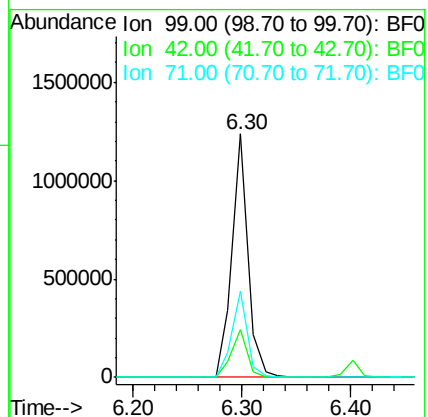
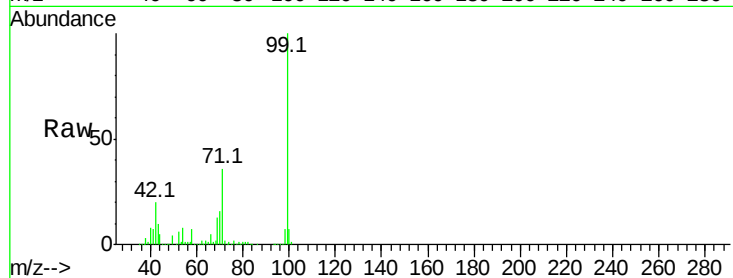
Tot Ion: 99 Resp: 1266525

Ion Ratio Lower Upper

99 100

42 19.7 15.6 23.4

71 35.6 27.5 41.3



#10

Phenol

Concen: 8.18 ng

RT: 6.31 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF092193.D

Acq: 10 Jan 2017 20:21

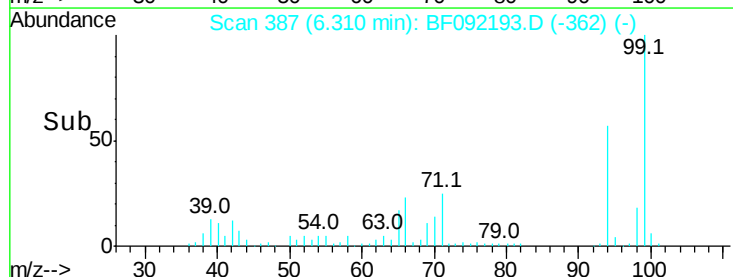
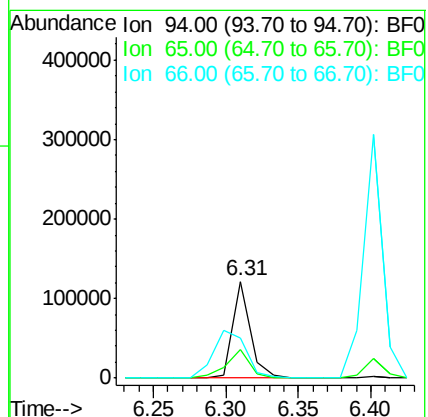
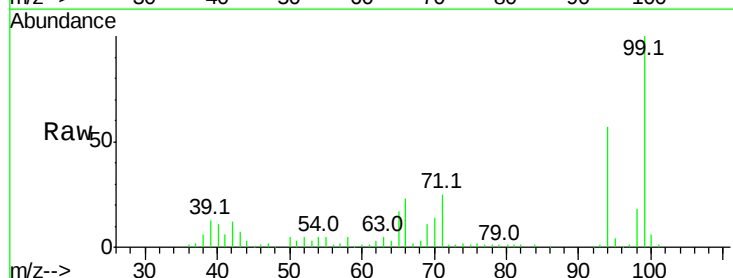
Tgt Ion: 94 Resp: 103395

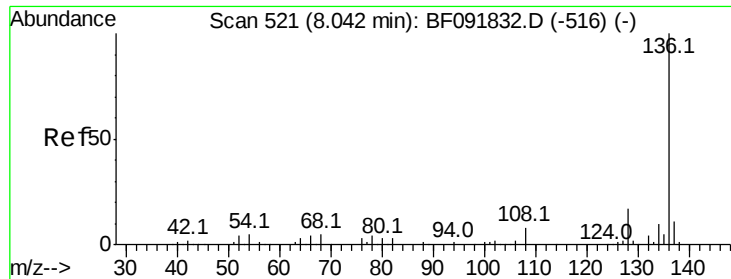
Ion Ratio Lower Upper

94 100

65 29.2 21.4 61.4

66 41.4 44.0 84.0#

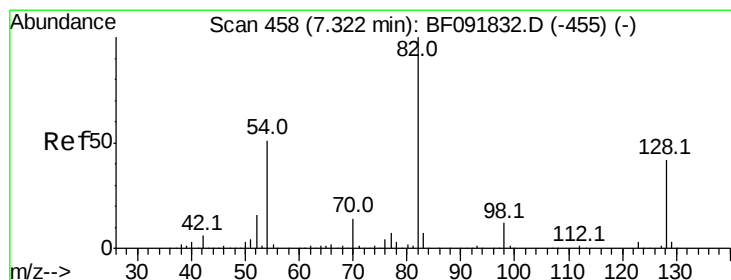
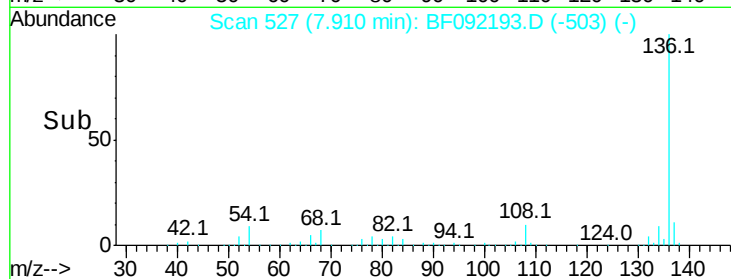
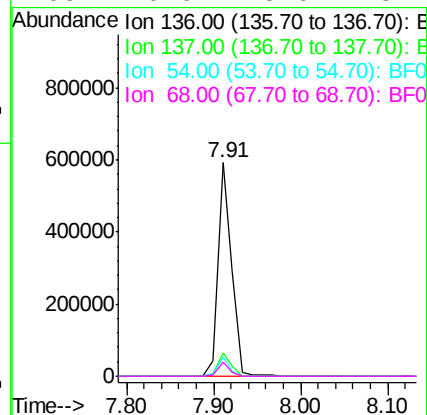
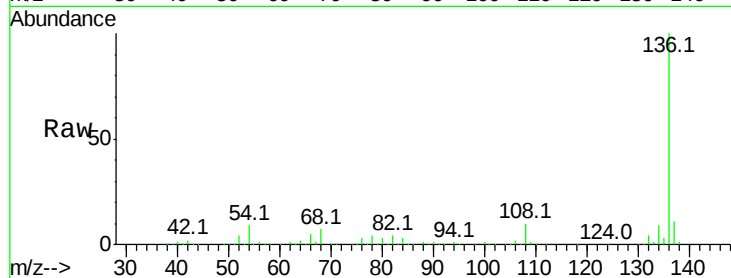




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 527
Delta R.T. -0.02 min
Lab File: BF092193.D
Acq: 10 Jan 2017 20:21

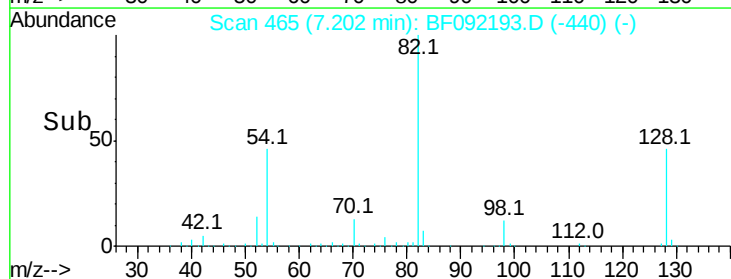
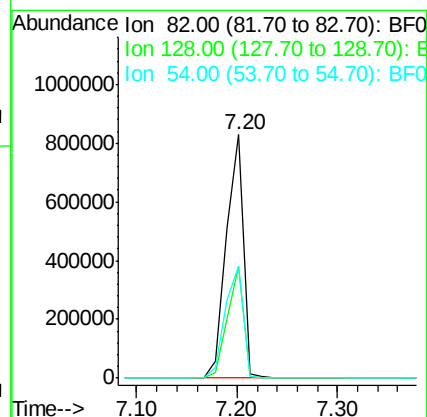
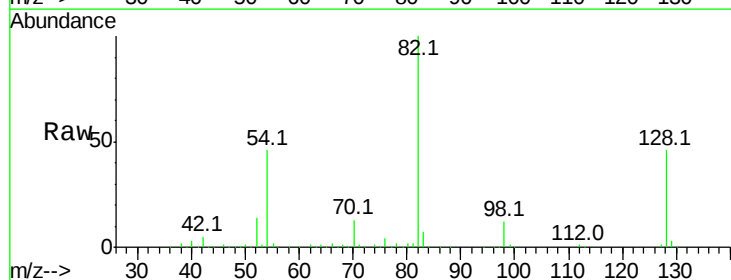
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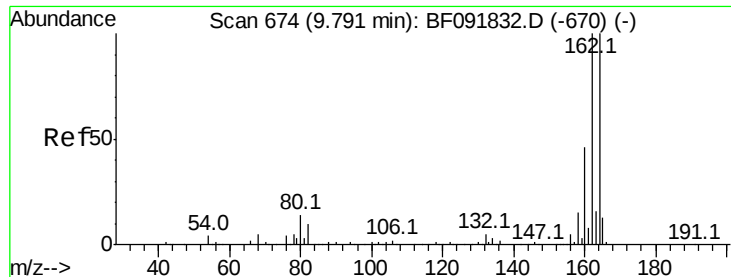
Tot Ion:	136	Resp:	650932
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	8.8	4.5	6.7#
68	6.6	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 83.54 ng
RT: 7.20 min Scan# 465
Delta R.T. -0.01 min
Lab File: BF092193.D
Acq: 10 Jan 2017 20:21

Tgt Ion:	82	Resp:	977953
Ion	Ratio	Lower	Upper
82	100		
128	46.1	34.6	52.0
54	45.8	39.5	59.3

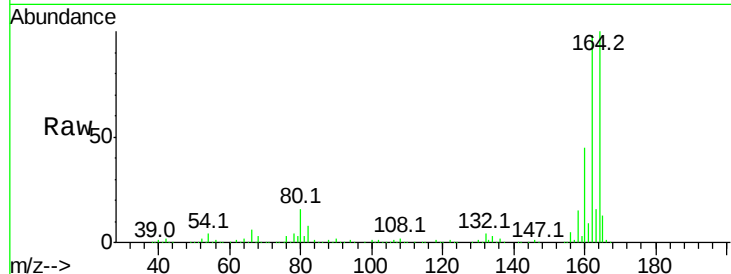




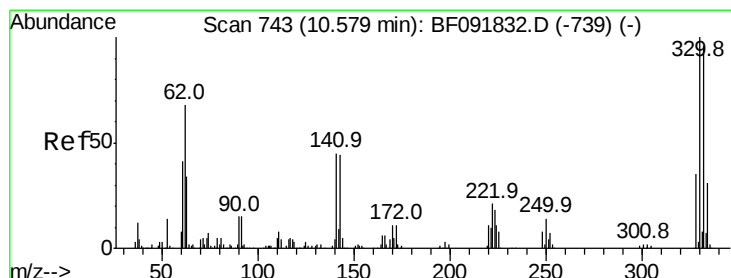
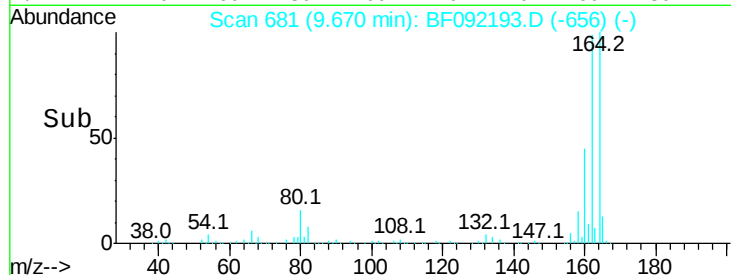
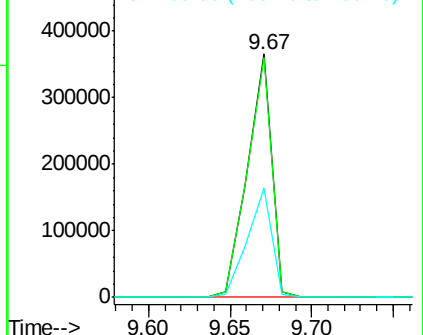
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.67 min Scan# 681
 Delta R.T. -0.01 min
 Lab File: BF092193.D
 Acq: 10 Jan 2017 20:21

Instrument :
 BNA_F
 ClientSampleId :
 USDOT-617122-COMP-0-2

Tot Ion:164 Resp: 377843
 Ion Ratio Lower Upper
 164 100
 162 98.2 80.2 120.2
 160 45.0 36.9 55.3

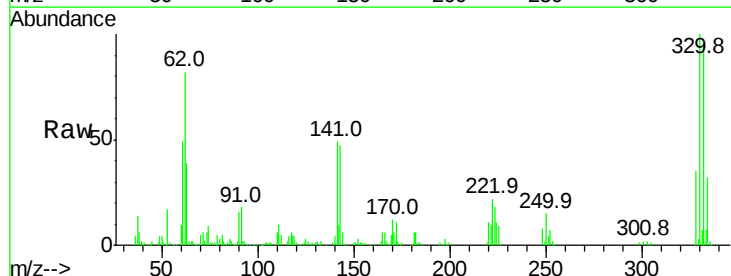


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

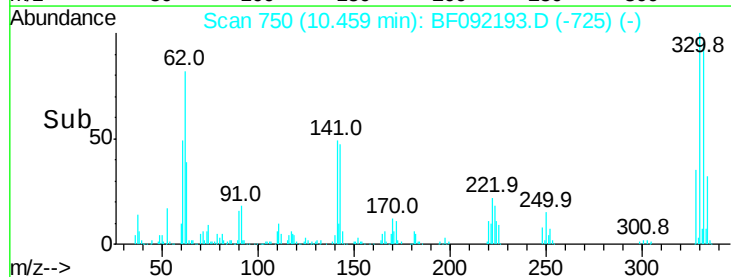
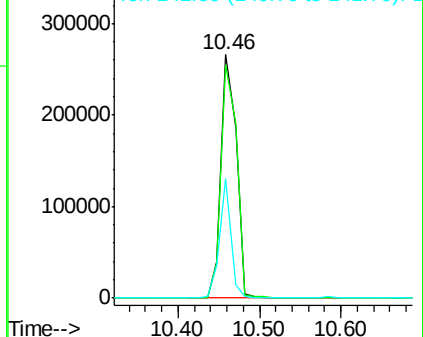


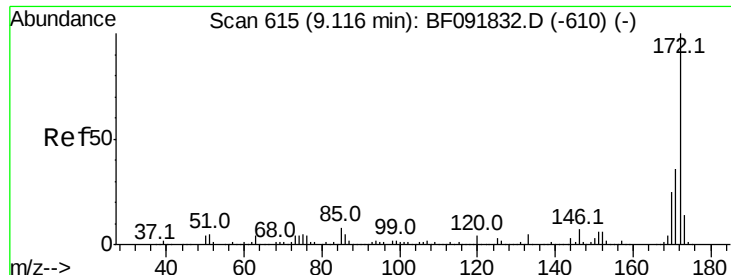
#41
 2,4,6-Tribromophenol
 Concen: 110.67 ng
 RT: 10.46 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: BF092193.D
 Acq: 10 Jan 2017 20:21

Tgt Ion:330 Resp: 346060
 Ion Ratio Lower Upper
 330 100
 332 98.2 77.4 116.2
 141 37.0 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

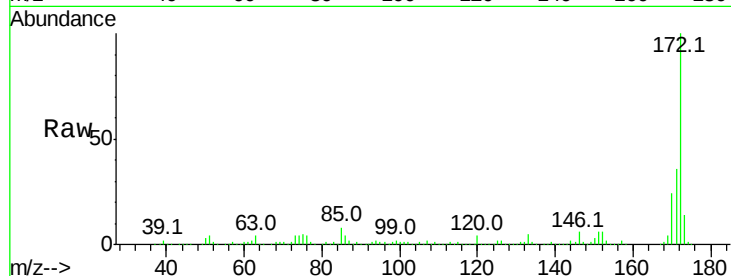




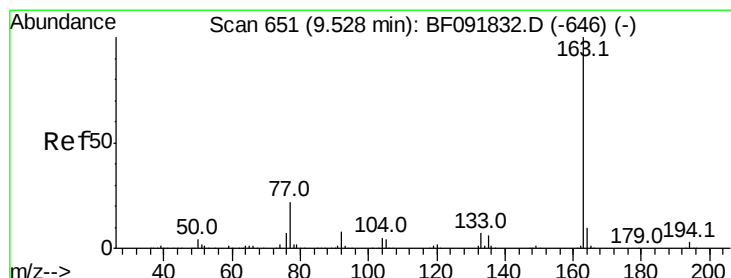
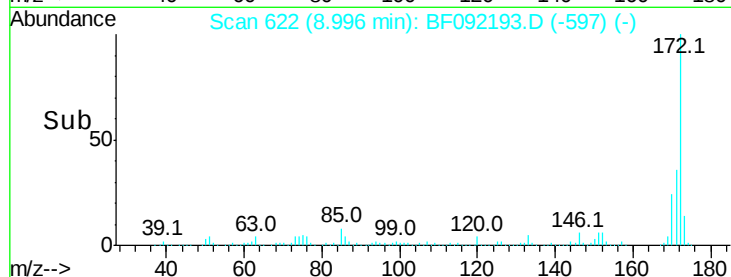
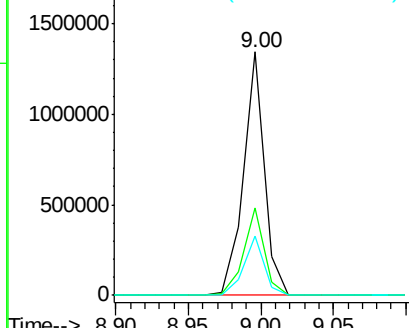
#44
2-Fluorobiphenyl
Concen: 70.87 ng
RT: 9.00 min Scan# 622
Delta R.T. -0.01 min
Lab File: BF092193.D
Acq: 10 Jan 2017 20:21

Instrument :
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ClientSampleId :
USDOT-617122-COMP-0-2

Tot Ion:172 Resp: 1346419
Ion Ratio Lower Upper
172 100
171 36.1 29.4 44.0
170 24.3 20.2 30.4

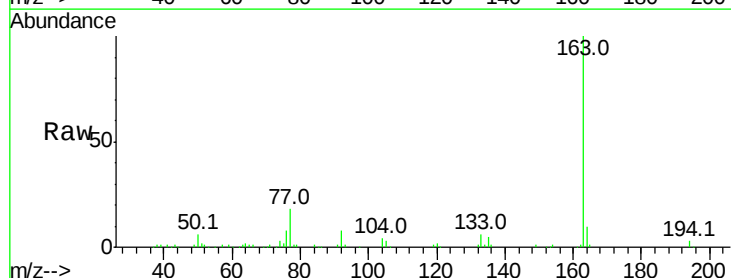


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

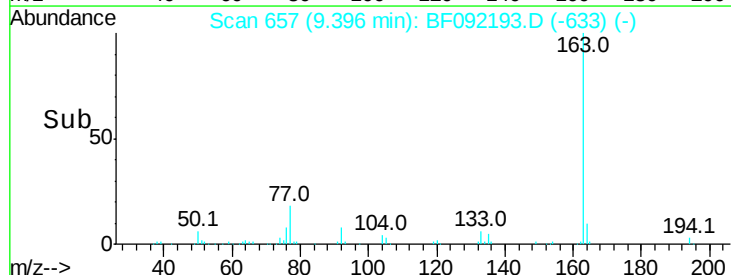
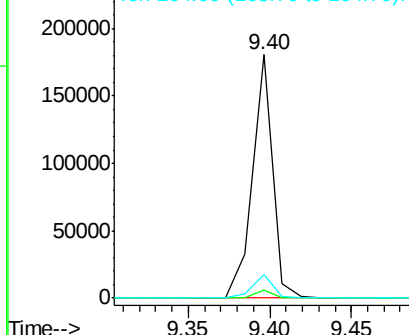


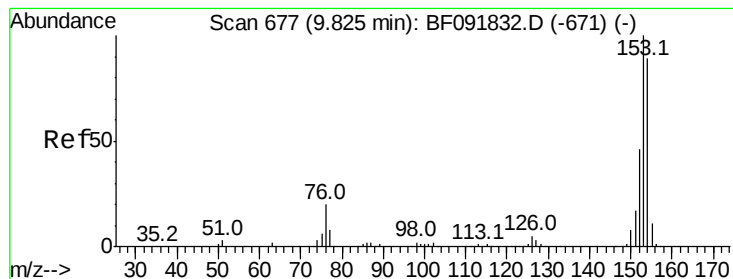
#49
Dimethylphthalate
Concen: 6.40 ng
RT: 9.40 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF092193.D
Acq: 10 Jan 2017 20:21

Tgt Ion:163 Resp: 154698
Ion Ratio Lower Upper
163 100
194 3.4 3.0 4.4
164 9.7 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





#51

Acenaphthene

Concen: 3.49 ng

RT: 9.69 min Scan# 683

Delta R.T. -0.02 min

Lab File: BF092193.D

Acq: 10 Jan 2017 20:21

Instrument :

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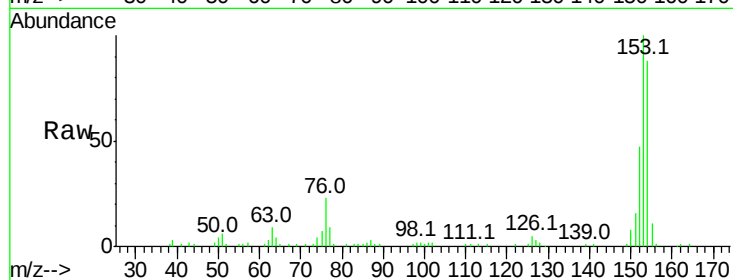
Tot Ion:154 Resp: 74452

Ion Ratio Lower Upper

154 100

153 114.1 88.6 133.0

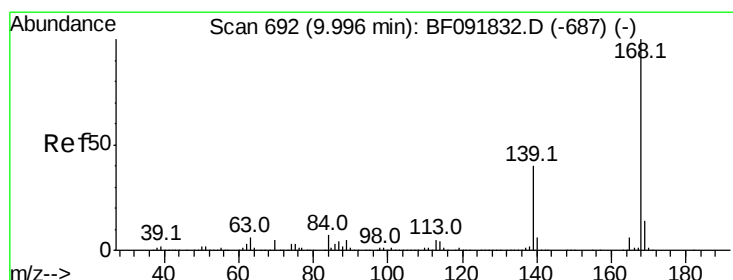
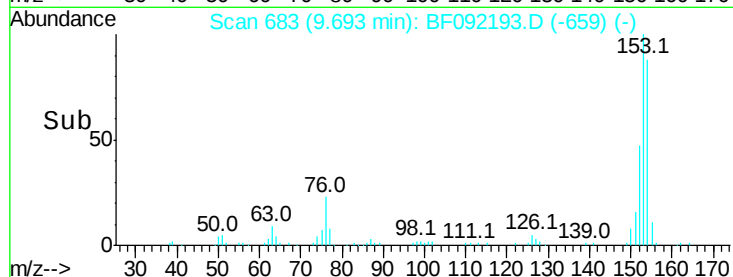
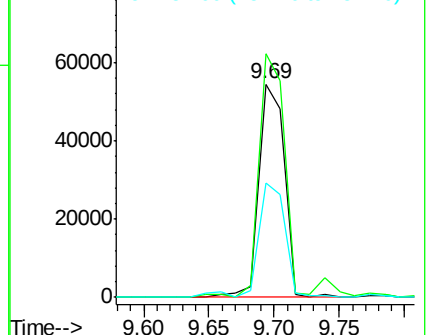
152 53.4 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.89 ng

RT: 9.88 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF092193.D

Acq: 10 Jan 2017 20:21

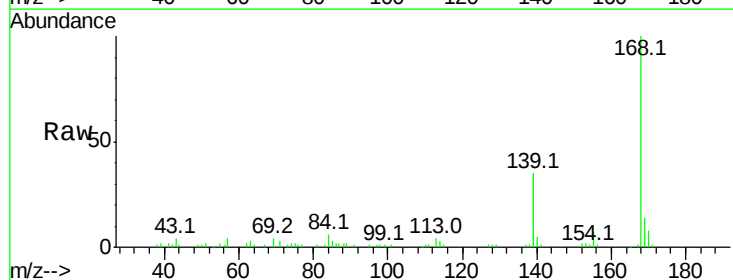
Tgt Ion:168 Resp: 83260

Ion Ratio Lower Upper

168 100

139 34.7 32.6 49.0

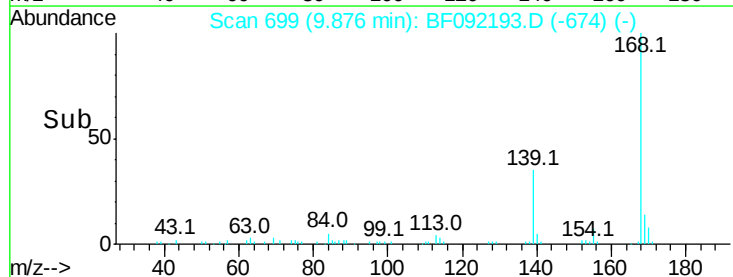
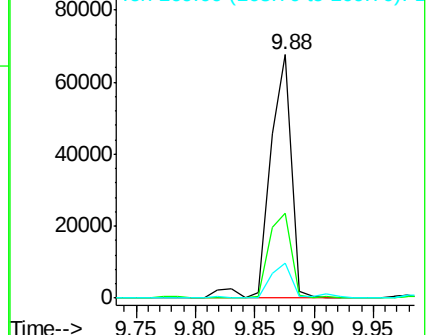
169 14.3 11.3 16.9

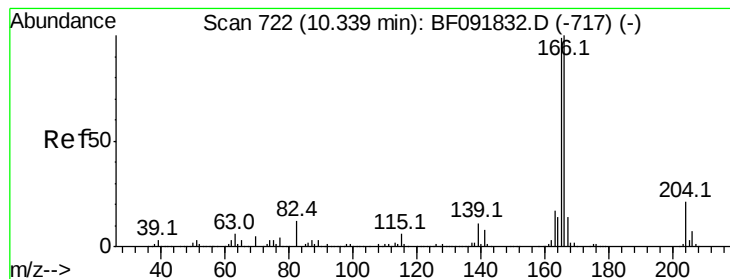


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 4.86 ng

RT: 10.21 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF092193.D

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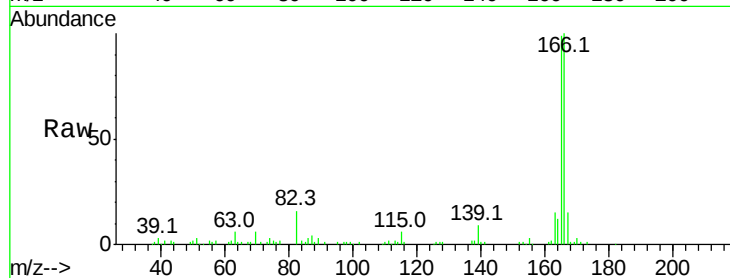
Tot Ion:166 Resp: 101922

Ion Ratio Lower Upper

166 100

165 99.0 77.8 116.8

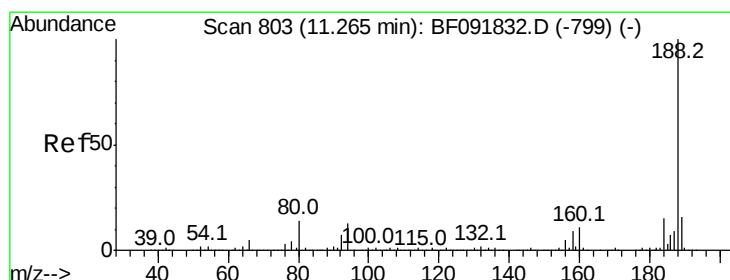
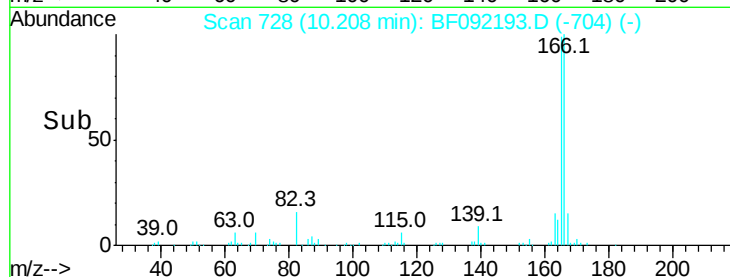
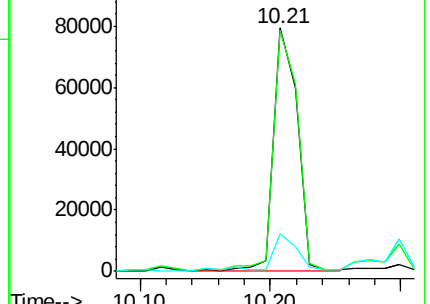
167 15.4 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.14 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF092193.D

Acq: 10 Jan 2017 20:21

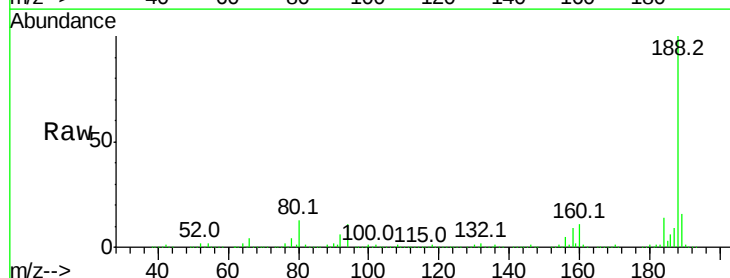
Tgt Ion:188 Resp: 613039

Ion Ratio Lower Upper

188 100

94 11.4 10.0 15.0

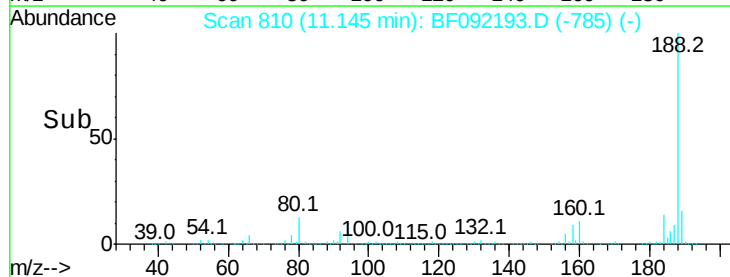
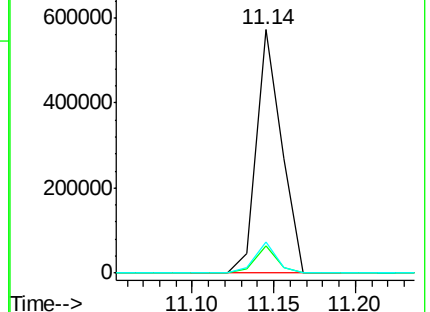
80 12.6 11.2 16.8

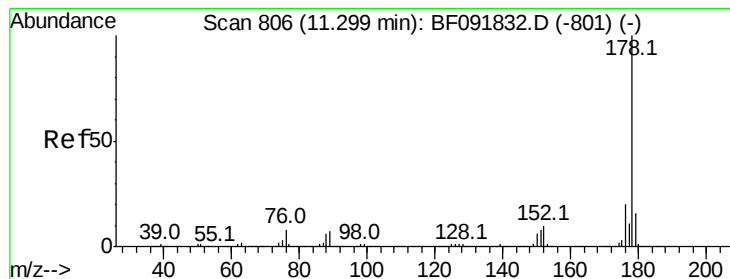


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 15.00 ng

RT: 11.17 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF092193.D

Acq: 10 Jan 2017 20:21

Instrument :

BNA_F

ClientSampleId :

USDOT-617122-COMP-0-2

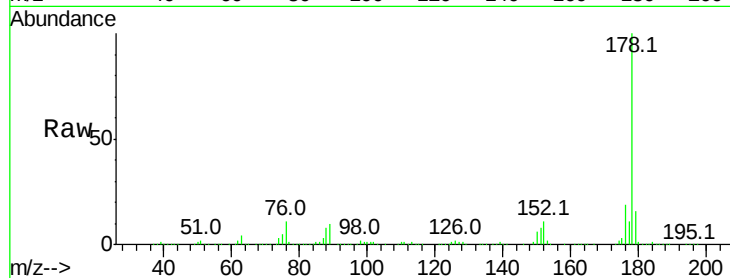
Tot Ion:178 Resp: 498708

Ion Ratio Lower Upper

178 100

176 19.4 16.6 25.0

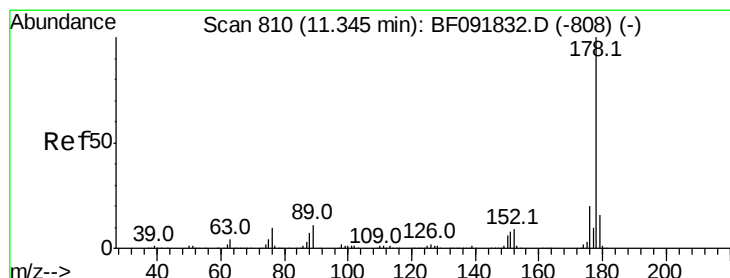
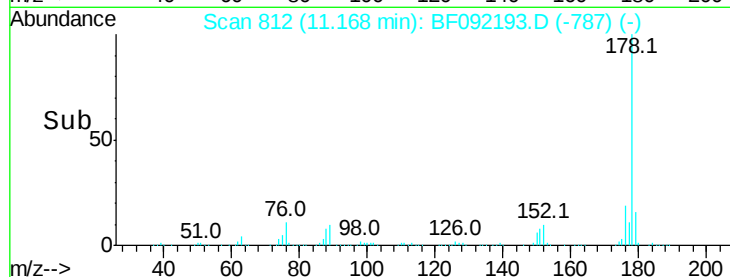
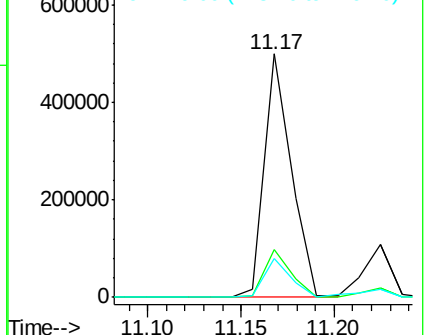
179 15.8 12.8 19.2



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



#71

Anthracene

Concen: 2.25 ng

RT: 11.22 min Scan# 817

Delta R.T. -0.01 min

Lab File: BF092193.D

Acq: 10 Jan 2017 20:21

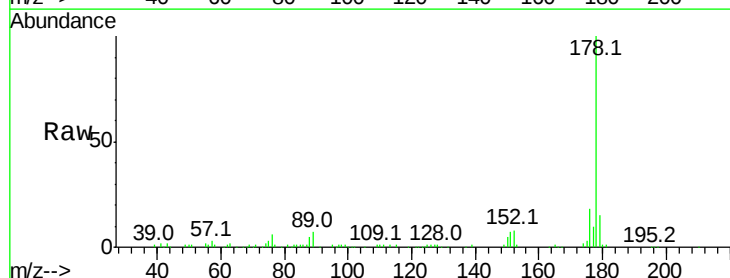
Tgt Ion:178 Resp: 107390

Ion Ratio Lower Upper

178 100

176 18.2 15.9 23.9

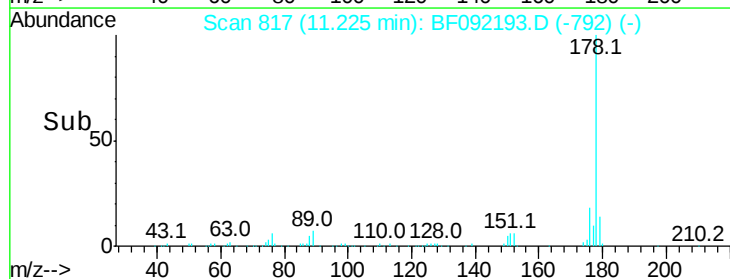
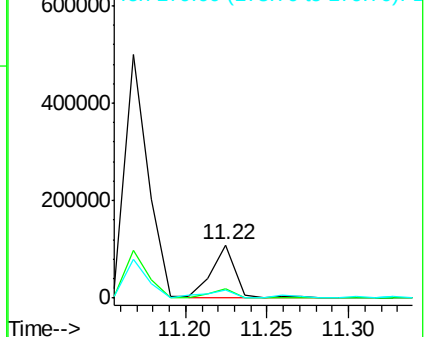
179 14.5 13.2 19.8

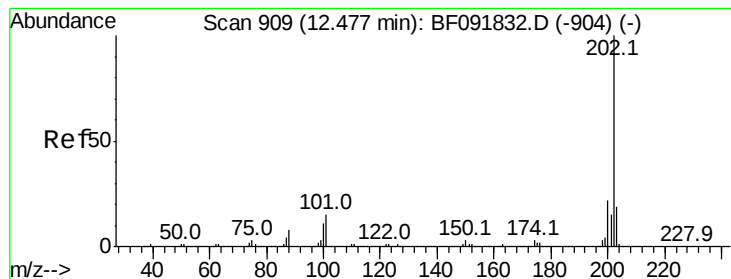


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 18.55 ng

RT: 12.36 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF092193.D

Acq: 10 Jan 2017 20:21

Instrument :

BNA_F

ClientSampleId :

USDOT-617122-COMP-0-2

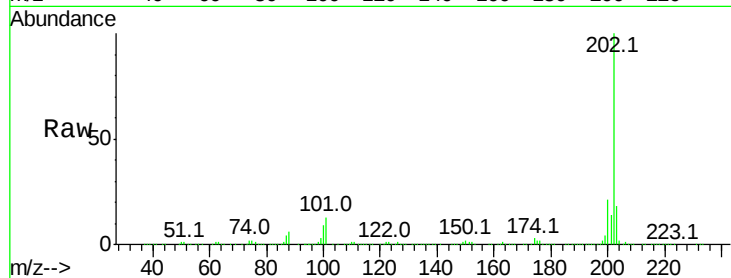
Tot Ion:202 Resp: 606590

Ion Ratio Lower Upper

202 100

101 12.7 0.0 34.6

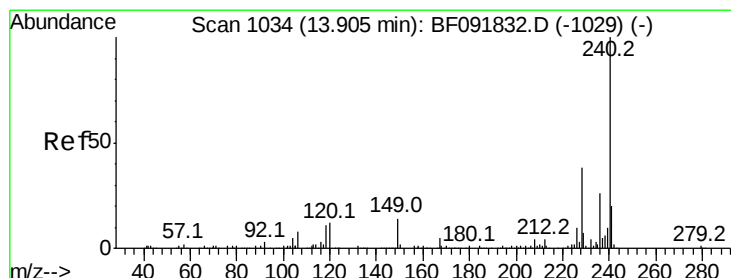
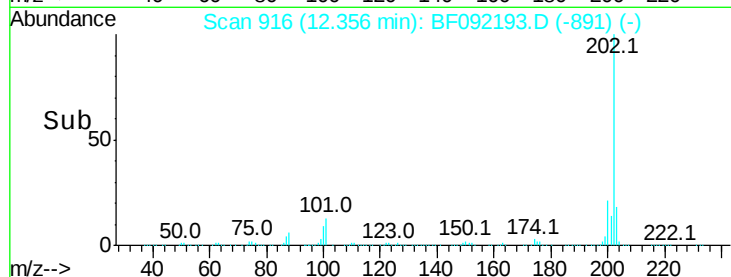
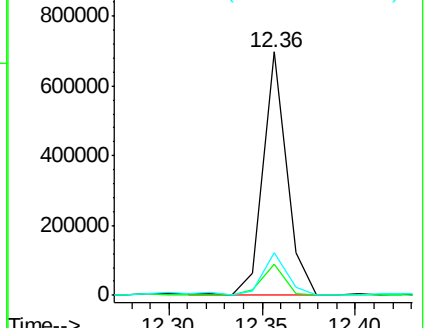
203 17.6 0.0 38.7



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: 13.79 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF092193.D

Acq: 10 Jan 2017 20:21

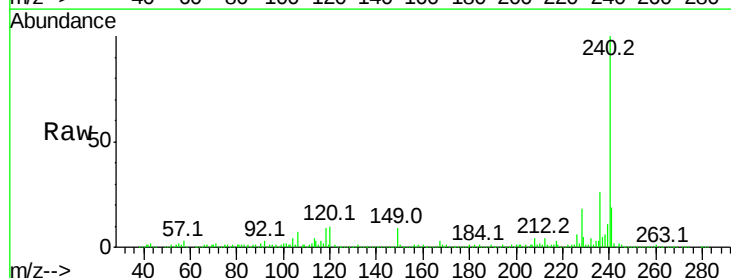
Tgt Ion:240 Resp: 453356

Ion Ratio Lower Upper

240 100

120 10.5 12.9 19.3#

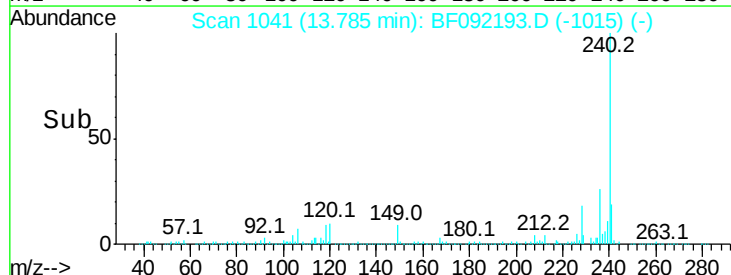
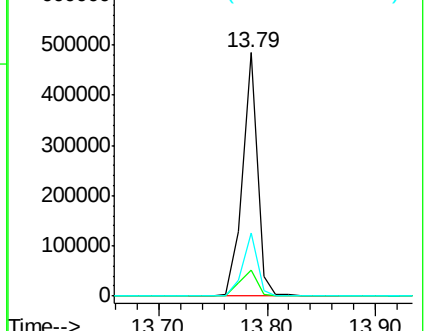
236 26.1 20.9 31.3

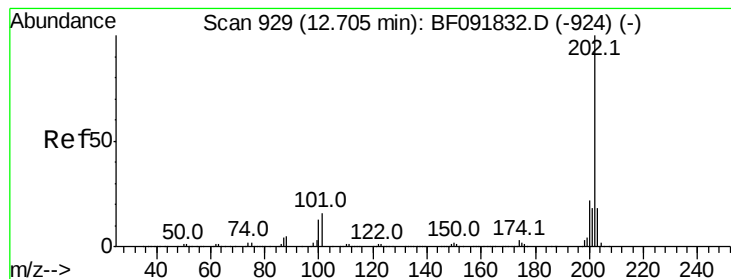


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 24.96 ng

RT: 12.58 min Scan# 936

Delta R.T. 0.00 min

Lab File: BF092193.D

Acq: 10 Jan 2017 20:21

Instrument :

BNA_F

ClientSampleId :

USDOT-617122-COMP-0-2

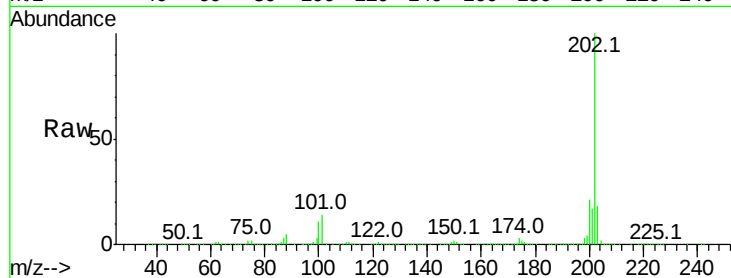
Tot Ion:202 Resp: 830319

Ion Ratio Lower Upper

202 100

200 20.9 17.7 26.5

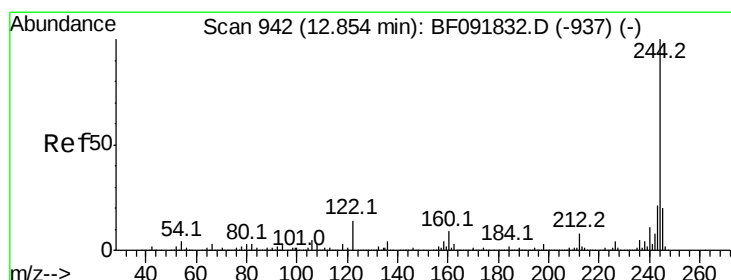
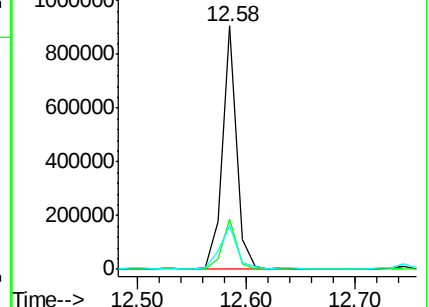
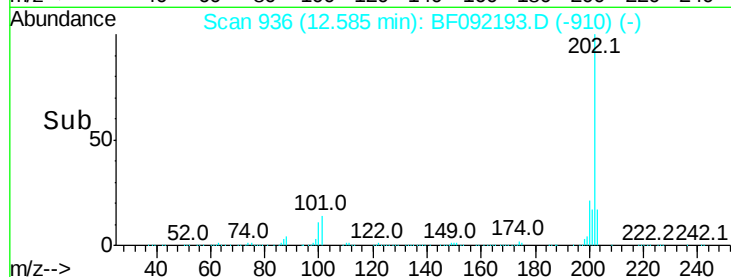
203 17.9 14.7 22.1



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



#78

Terphenyl-d14

Concen: 77.76 ng

RT: 12.74 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF092193.D

Acq: 10 Jan 2017 20:21

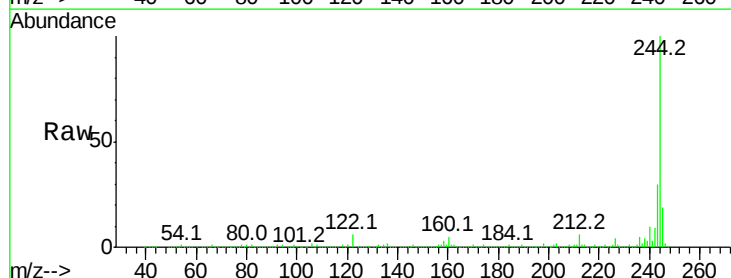
Tgt Ion:244 Resp: 1453608

Ion Ratio Lower Upper

244 100

212 6.2 6.2 9.2

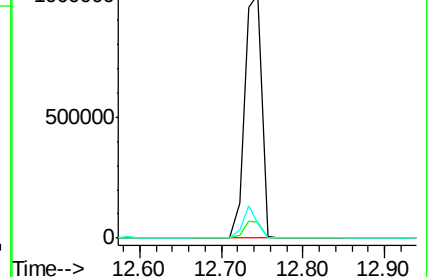
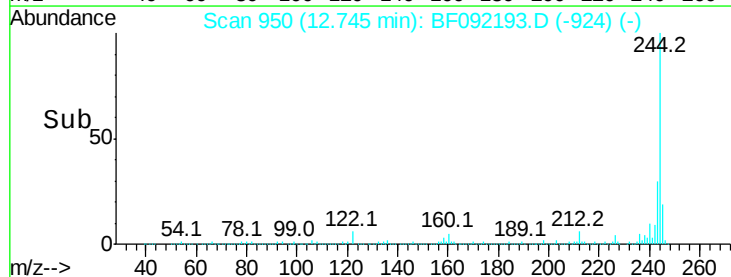
122 5.8 11.4 17.2#

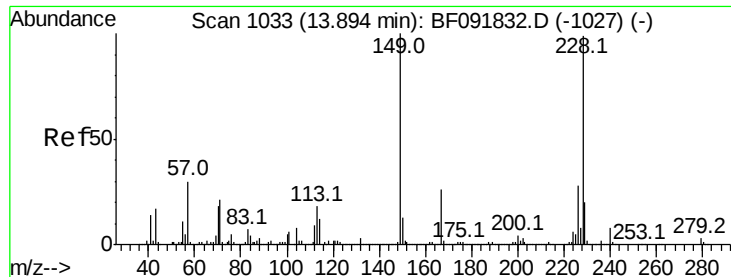


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

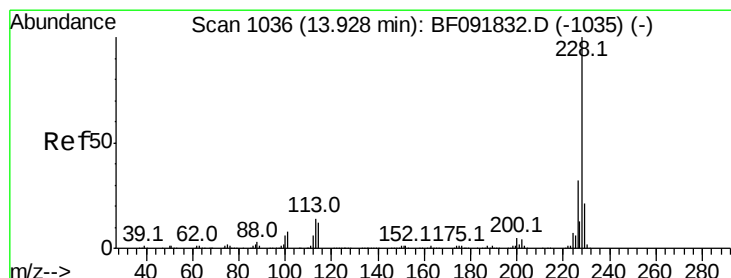
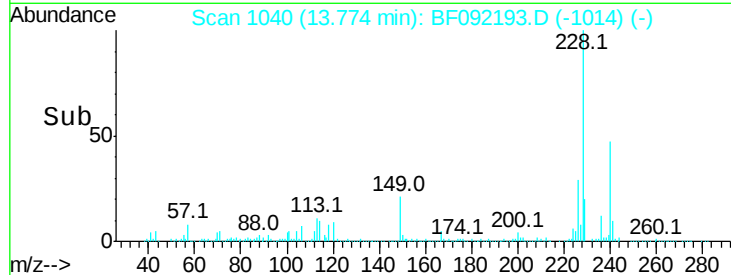
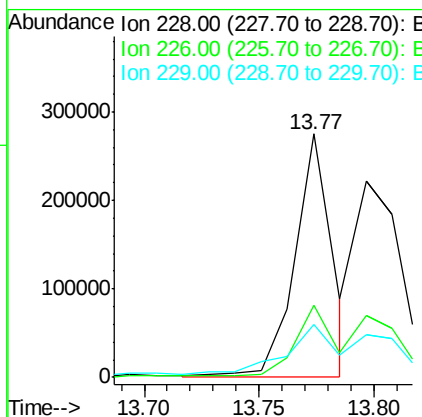
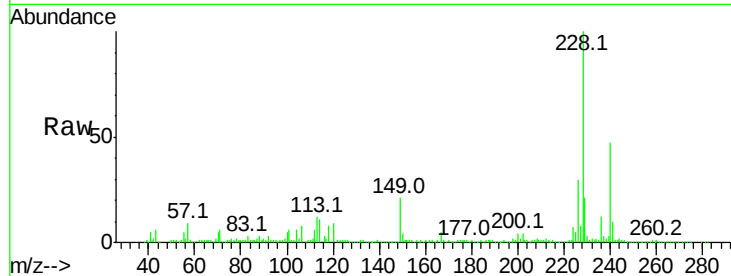




#80
Benzo(a)anthracene
Concen: 12.21 ng m
RT: 13.77 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF092193.D
Acq: 10 Jan 2017 20:21

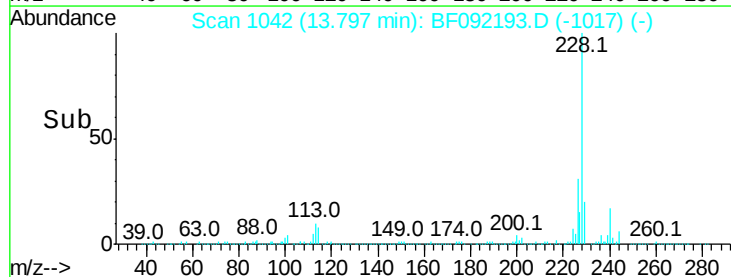
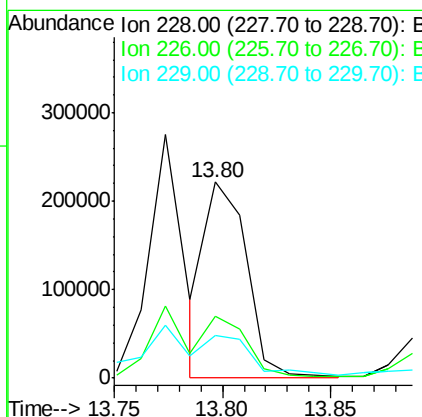
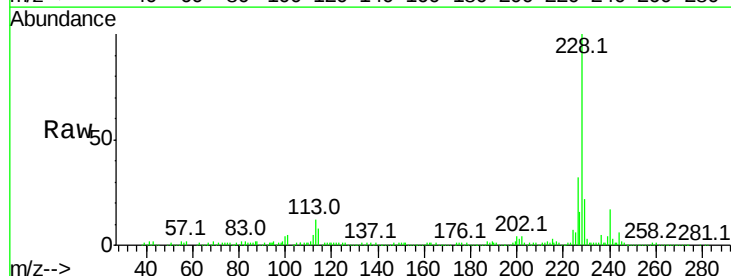
Instrument :
BNA_F
ClientSampleId :
USDOT-617122-COMP-0-2

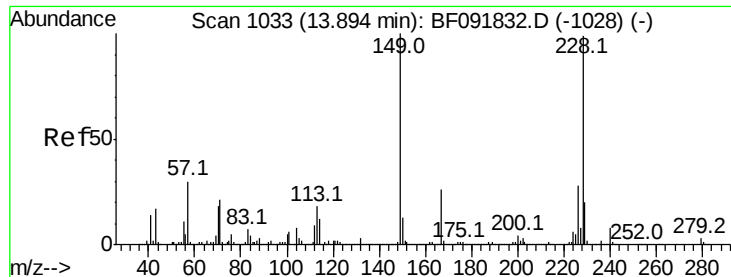
Tot Ion:228 Resp: 312437
Ion Ratio Lower Upper
228 100
226 29.5 22.4 33.6
229 21.5 16.2 24.4



#82
Chrysene
Concen: 11.69 ng m
RT: 13.80 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF092193.D
Acq: 10 Jan 2017 20:21

Tgt Ion:228 Resp: 300203
Ion Ratio Lower Upper
228 100
226 31.5 25.4 38.0
229 21.9 16.2 24.2





#83

Bis(2-ethylhexyl)phthalate

Concen: 4.06 ng

RT: 13.77 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF092193.D

Acq: 10 Jan 2017 20:21

Instrument :

BNA_F

ClientSampleId :

USDOT-617122-COMP-0-2

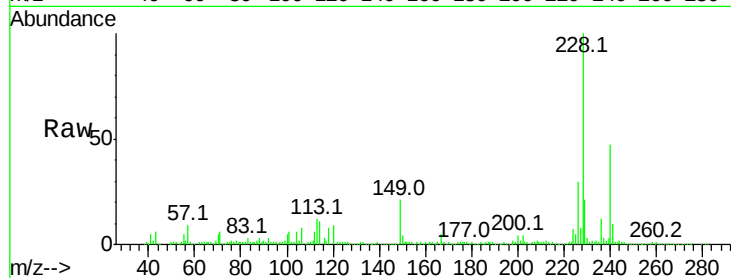
Tot Ion:149 Resp: 72341

Ion Ratio Lower Upper

149 100

167 24.6 20.2 30.4

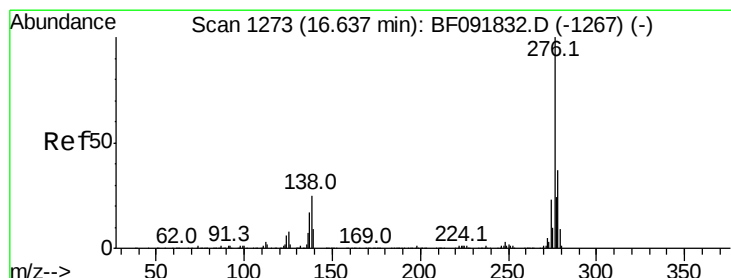
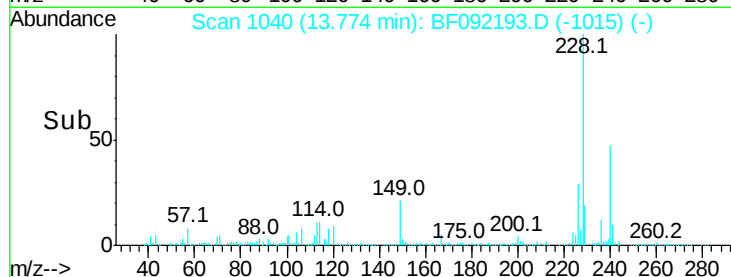
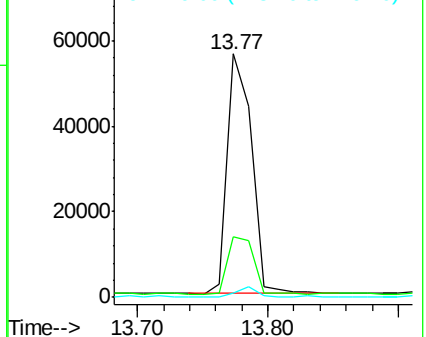
279 1.8 1.8 2.8



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: 8.90 ng

RT: 16.44 min Scan# 1273

Delta R.T. 0.01 min

Lab File: BF092193.D

Acq: 10 Jan 2017 20:21

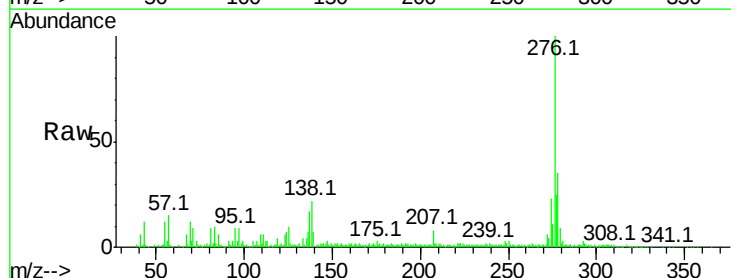
Tgt Ion:276 Resp: 197907

Ion Ratio Lower Upper

276 100

138 24.6 21.8 32.6

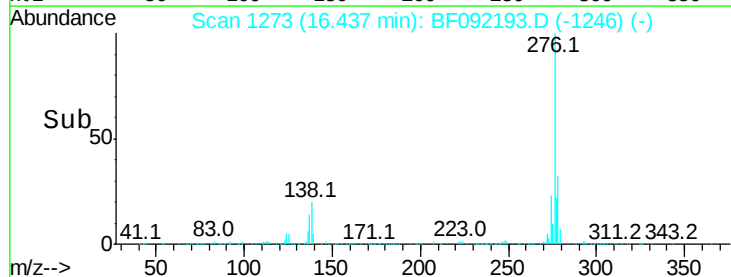
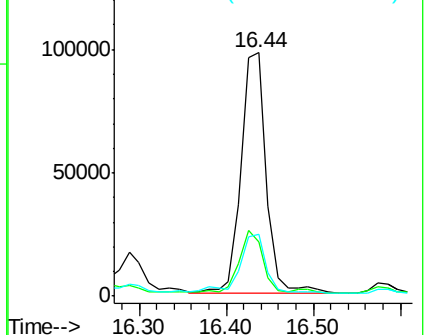
277 26.2 20.2 30.4

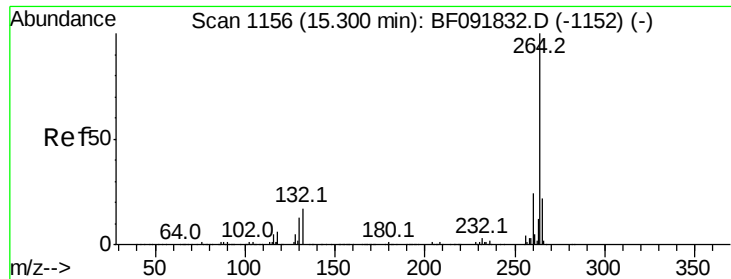


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

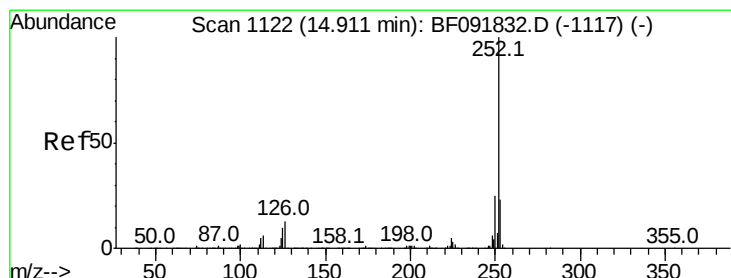
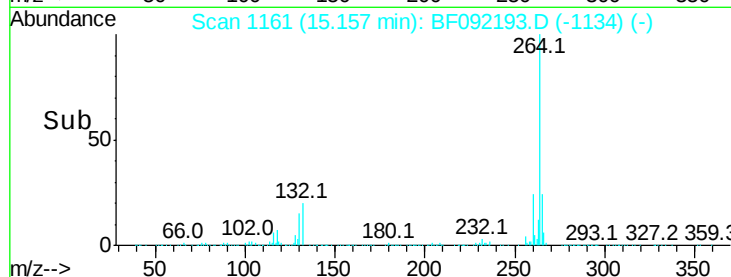
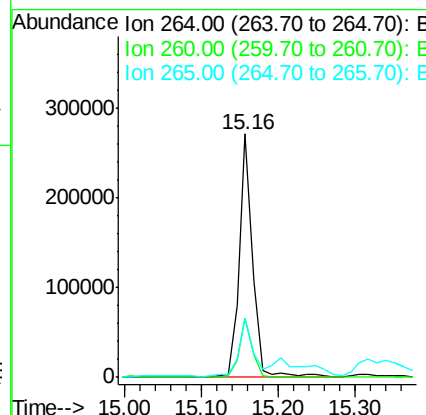
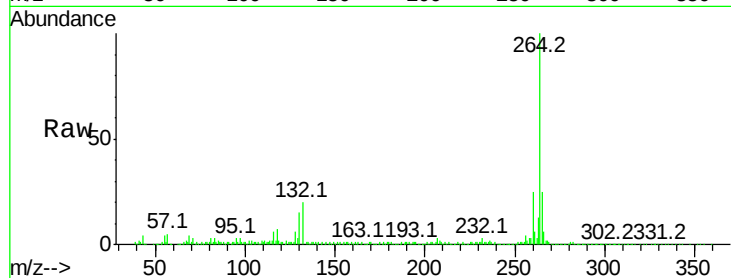




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.16 min Scan# 1161
Delta R.T. 0.01 min
Lab File: BF092193.D
Acq: 10 Jan 2017 20:21

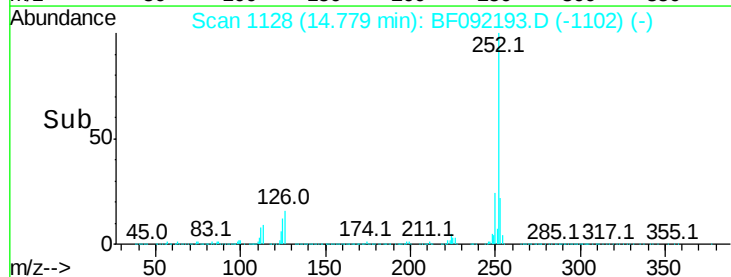
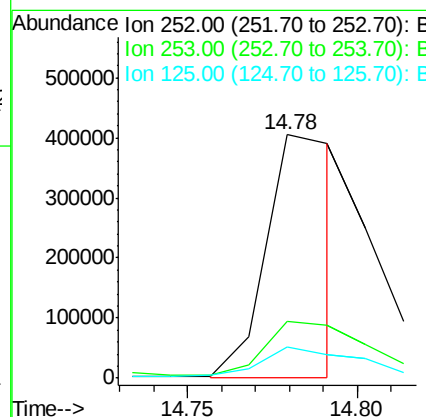
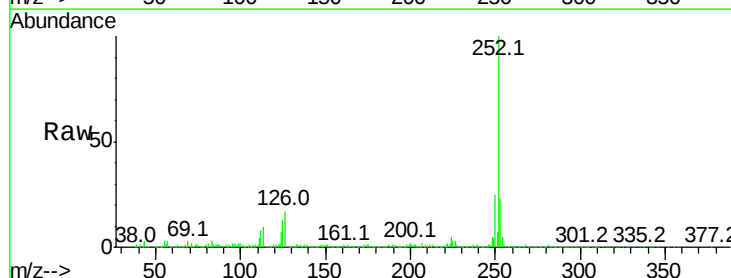
Instrument :
BNA_F
ClientSampleId :
USDOT-617122-COMP-0-2

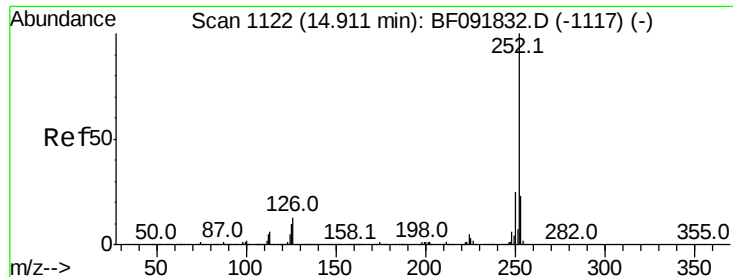
Tot Ion:264 Resp: 334018
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 24.5 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 28.54 ng m
RT: 14.78 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF092193.D
Acq: 10 Jan 2017 20:21

Tgt Ion:252 Resp: 593530
Ion Ratio Lower Upper
252 100
253 23.3 18.2 27.4
125 12.9 9.8 14.6

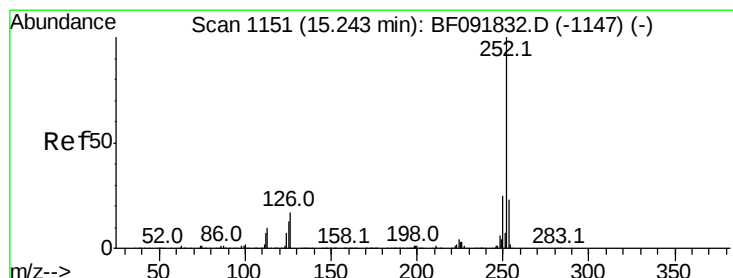
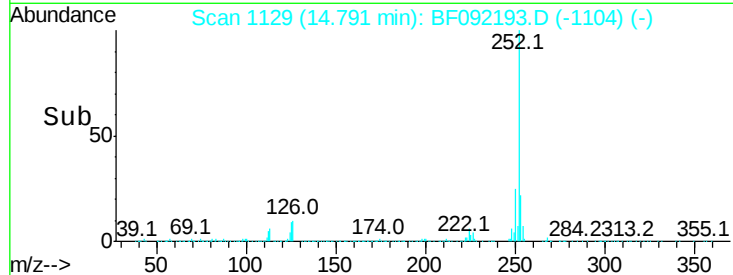
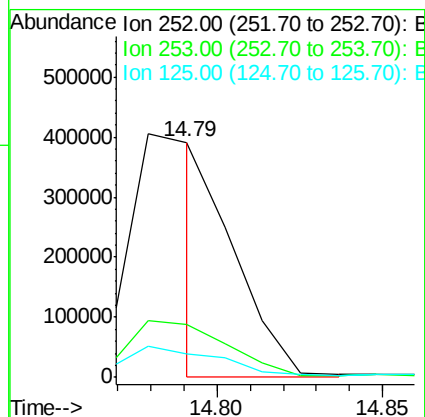
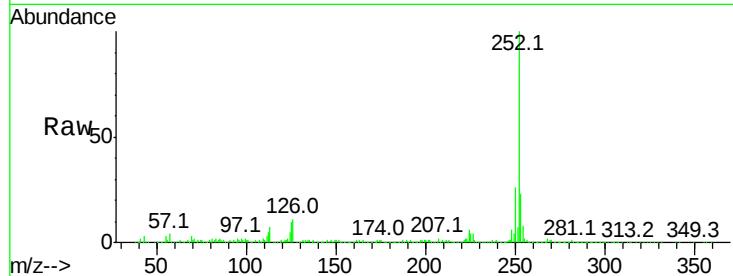




#88
Benzo(k)fluoranthene
Concen: 13.75 ng m
RT: 14.79 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF092193.D
Acq: 10 Jan 2017 20:21

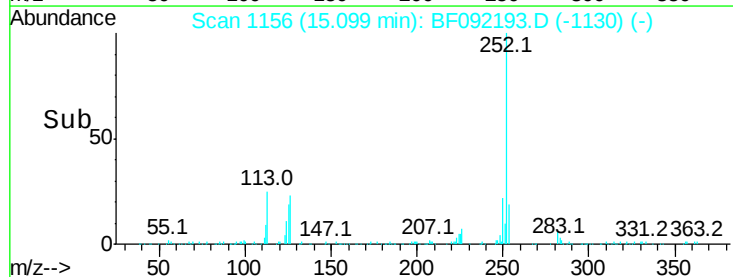
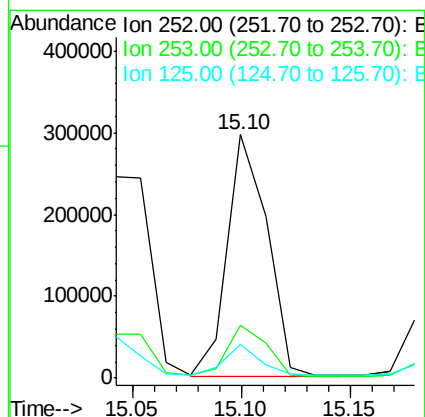
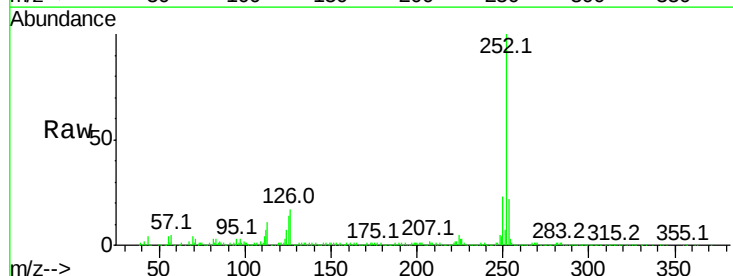
Instrument :
BNA_F
ClientSampleId :
USDOT-617122-COMP-0-2

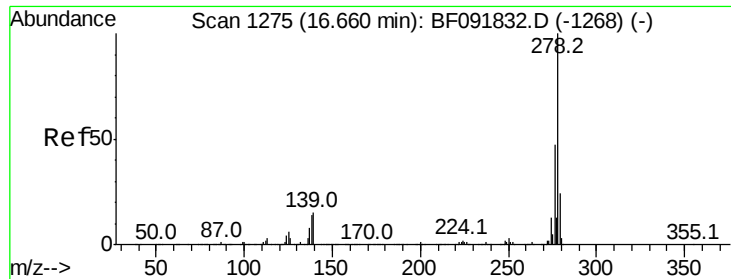
Tot Ion:252 Resp: 243880
Ion Ratio Lower Upper
252 100
253 22.6 18.5 27.7
125 10.2 8.9 13.3



#89
Benzo(a)pyrene
Concen: 20.53 ng
RT: 15.10 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BF092193.D
Acq: 10 Jan 2017 20:21

Tgt Ion:252 Resp: 378858
Ion Ratio Lower Upper
252 100
253 21.8 18.2 27.2
125 13.8 10.0 15.0





#90

Dibenzo(a,h)anthracene

Concen: 4.54 ng

RT: 16.44 min Scan# 1273

Delta R.T. 0.00 min

Lab File: BF092193.D

Acq: 10 Jan 2017 20:21

Instrument :

BNA_F

ClientSampleId :

USDOT-617122-COMP-0-2

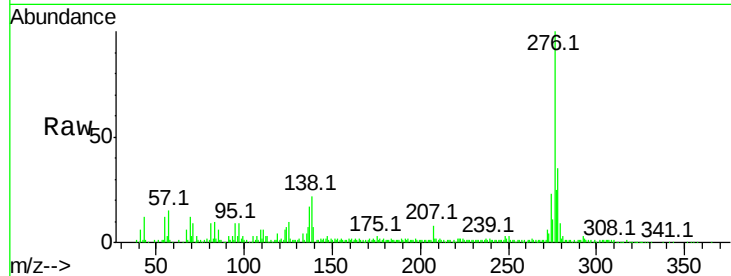
Tot Ion:278 Resp: 68934

Ion Ratio Lower Upper

278 100

139 20.8 14.8 22.2

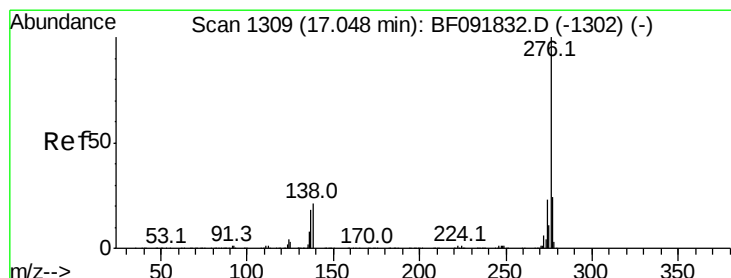
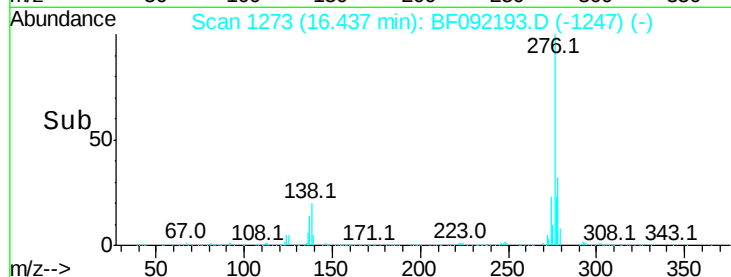
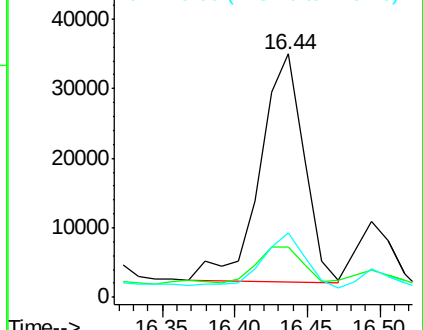
279 26.7 19.8 29.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 11.83 ng

RT: 16.81 min Scan# 1306

Delta R.T. 0.01 min

Lab File: BF092193.D

Acq: 10 Jan 2017 20:21

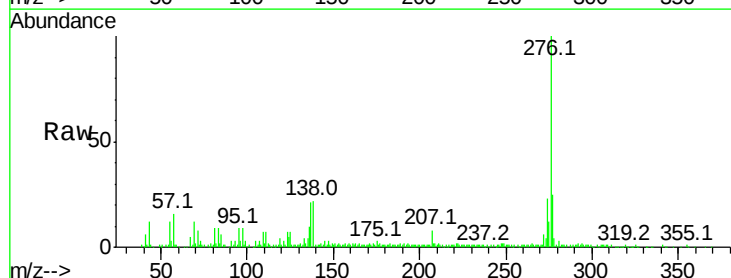
Tgt Ion:276 Resp: 186659

Ion Ratio Lower Upper

276 100

277 24.6 19.2 28.8

138 22.1 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

