

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051017\
 Data File : BF095072.D
 Acq On : 10 May 2017 23:50
 Operator : SJ/MA
 Sample : I3059-01 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-SWITCH-DRUM-SPILL(COMP)

Quant Time: May 11 07:15:22 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

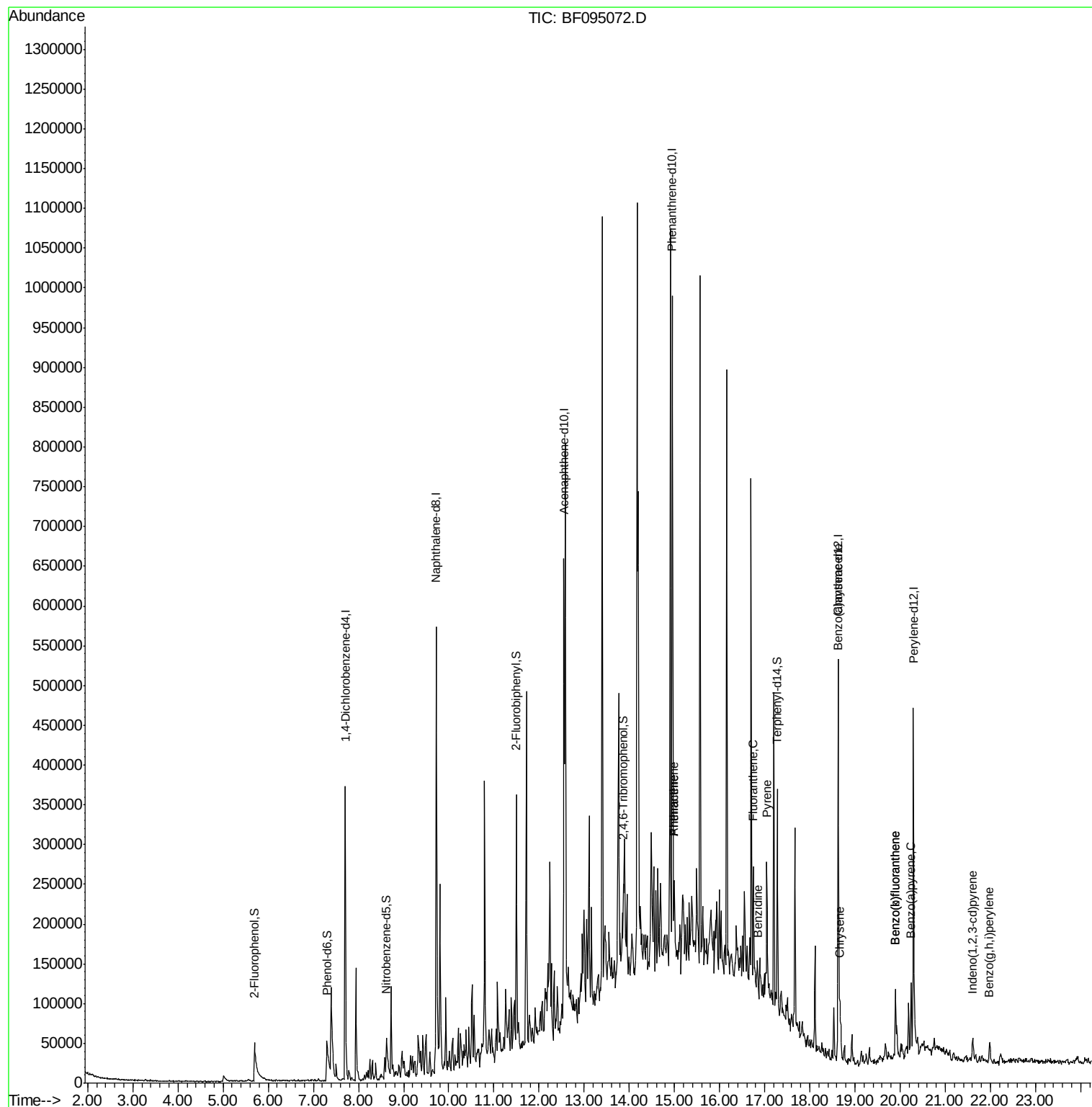
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	86689	20.00	ng	-0.02
21) Naphthalene-d8	9.72	136	365580	20.00	ng	-0.03
38) Acenaphthene-d10	12.55	164	165104	20.00	ng	-0.03
63) Phenanthrene-d10	14.96	188	269771	20.00	ng	-0.02
75) Chrysene-d12	18.63	240	204939	20.00	ng	-0.02
86) Perylene-d12	20.29	264	193263	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	58635	11.28	ng	0.02
7) Phenol-d6	7.30	99	76480	12.26	ng	0.02
23) Nitrobenzene-d5	8.62	82	44479	7.67	ng	-0.02
41) 2,4,6-Tribromophenol	13.87	330	17629	13.04	ng	-0.02
44) 2-Fluorobiphenyl	11.50	172	118309	10.31	ng	-0.03
78) Terphenyl-d14	17.28	244	96151	10.33	ng	-0.03
Target Compounds						Qvalue
70) Phenanthrene	15.00	178	41566	2.68	ng	96
71) Anthracene	15.00	178	41566	2.63	ng	96
74) Fluoranthene	16.75	202	78261	4.92	ng	96
76) Benzydine	16.86	184	120	6.61	ng	# 1
77) Pyrene	17.05	202	77333	5.05	ng	# 94
80) Benzo(a)anthracene	18.62	228	32730	2.74	ng	# 93
82) Chrysene	18.67	228	35301	3.06	ng	92
85) Indeno(1,2,3-cd)pyrene	21.61	276	22921	2.45	ng	96
87) Benzo(b)fluoranthene	19.89	252	43730	3.66	ng	# 92
88) Benzo(k)fluoranthene	19.89	252	43730	3.80	ng	96
89) Benzo(a)pyrene	20.24	252	37557	3.41	ng	# 92
91) Benzo(g,h,i)perylene	21.98	276	23143	2.59	ng	94

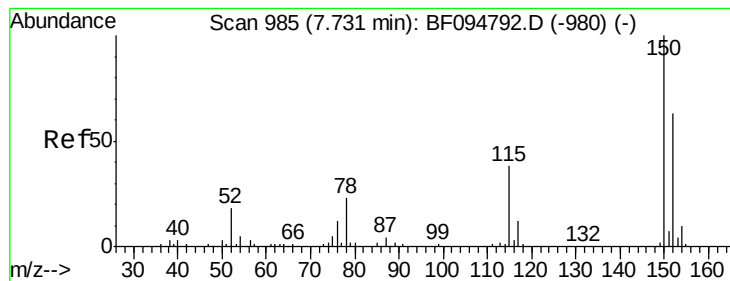
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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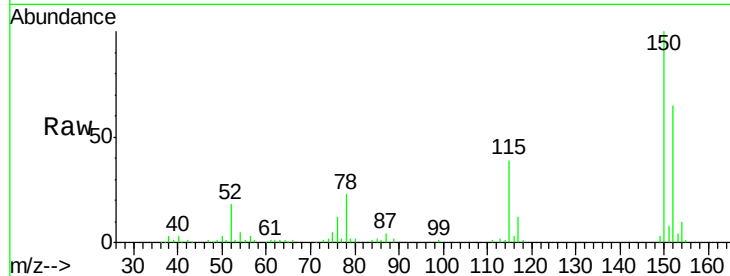


#1

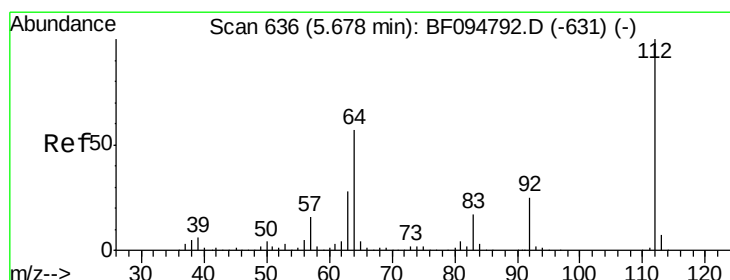
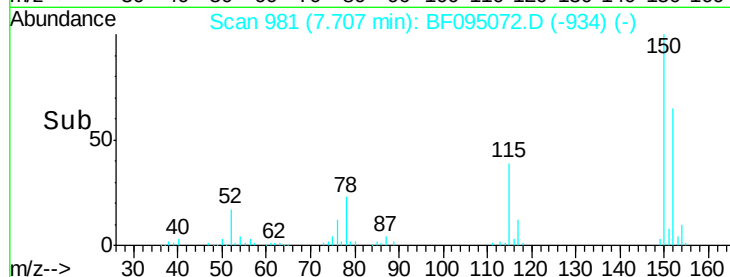
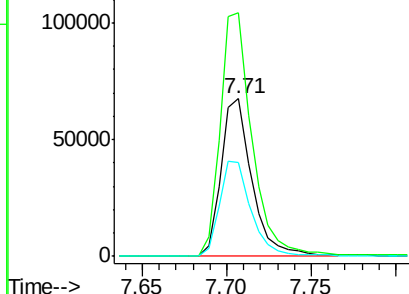
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.71 min Scan# 981
Delta R.T. -0.02 min
Lab File: BF095072.D
Acq: 10 May 2017 23:50

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:152 Resp: 86689
Ion Ratio Lower Upper
152 100
150 154.5 126.2 189.2
115 59.5 52.2 78.2



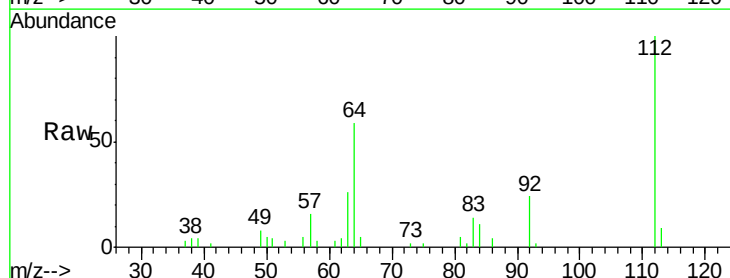
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



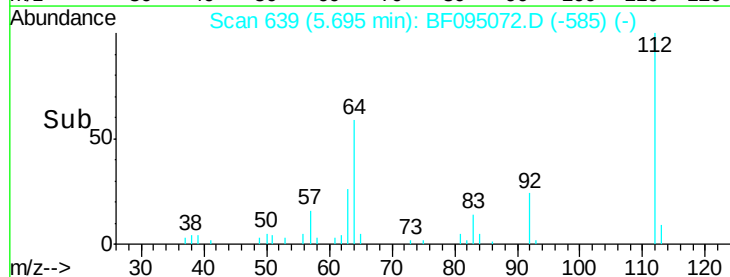
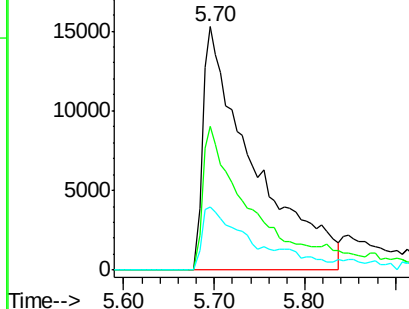
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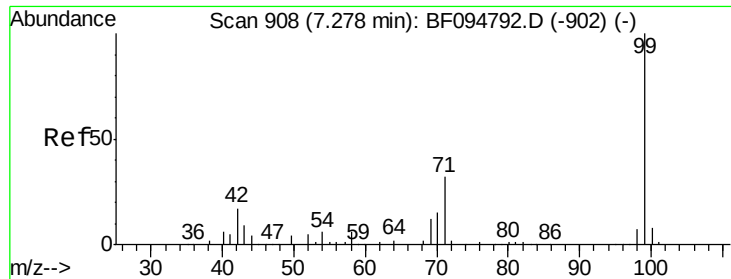
2-Fluorophenol
Concen: 11.28 ng
RT: 5.70 min Scan# 639
Delta R.T. 0.02 min
Lab File: BF095072.D
Acq: 10 May 2017 23:50

Tgt Ion:112 Resp: 58635
Ion Ratio Lower Upper
112 100
64 58.8 46.0 69.0
63 26.2 23.4 35.0



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: 12.26 ng

RT: 7.30 min Scan# 911

Delta R.T. 0.02 min

Lab File: BF095072.D

Acq: 10 May 2017 23:50

Instrument :

BNA_F

ClientSampleId :

JC-SWITCH-DRUM-SPILL(COMP)

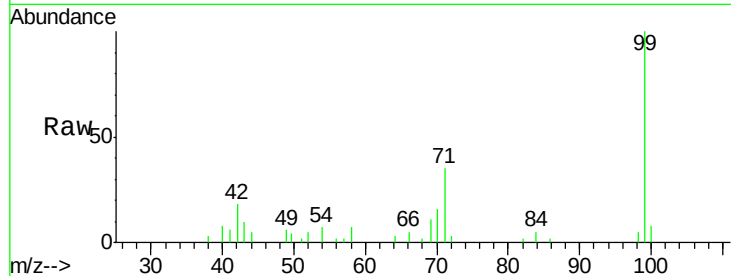
Tgt Ion: 99 Resp: 76480

Ion Ratio Lower Upper

99 100

42 17.8 13.5 20.3

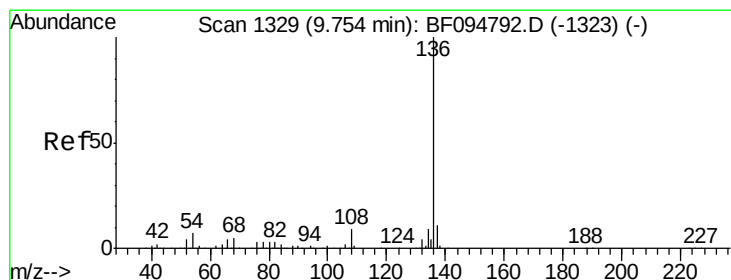
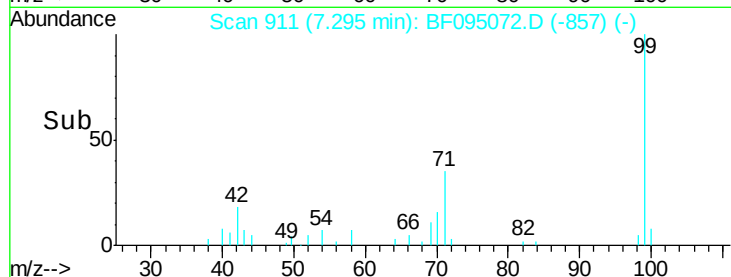
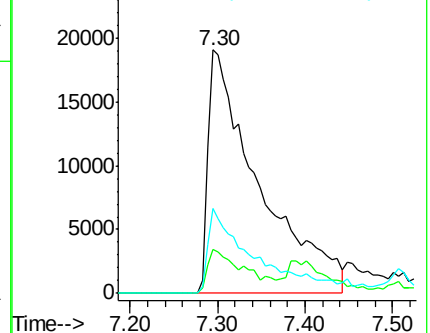
71 34.8 24.5 36.7



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: 9.72 min Scan# 1324

Delta R.T. -0.03 min

Lab File: BF095072.D

Acq: 10 May 2017 23:50

Tgt Ion: 136 Resp: 365580

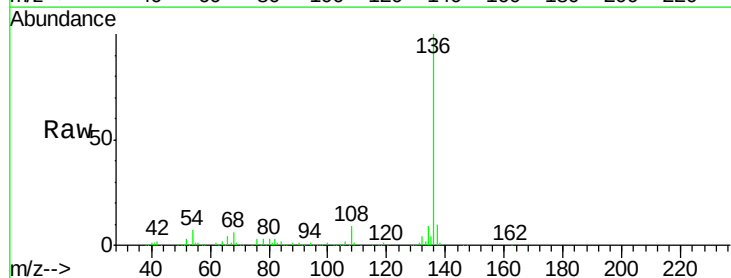
Ion Ratio Lower Upper

136 100

137 10.2 8.5 12.7

54 6.6 4.9 7.3

68 5.8 4.1 6.1

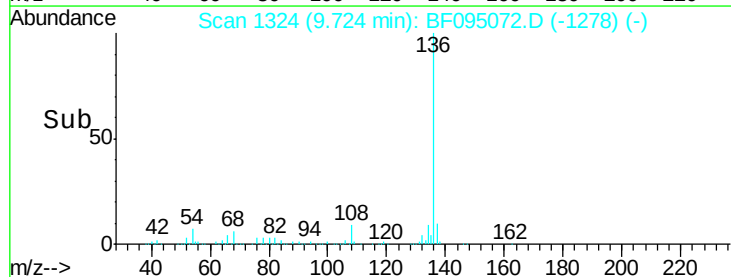
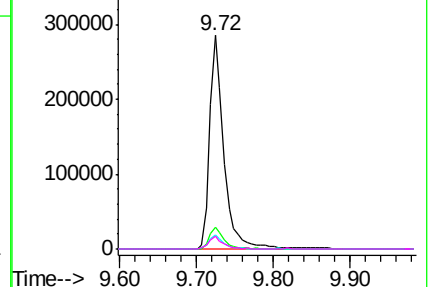


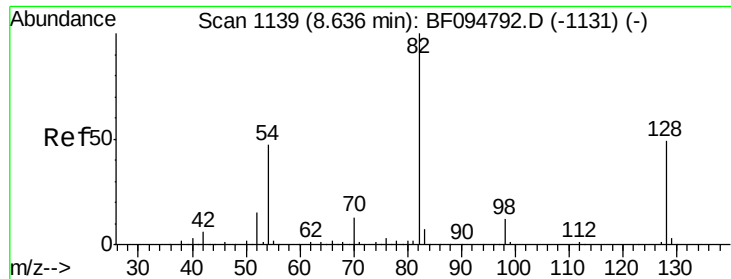
Abundance Ion 136.00 (135.70 to 136.70): E

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

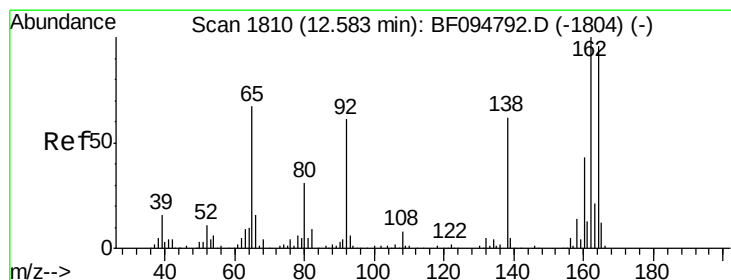
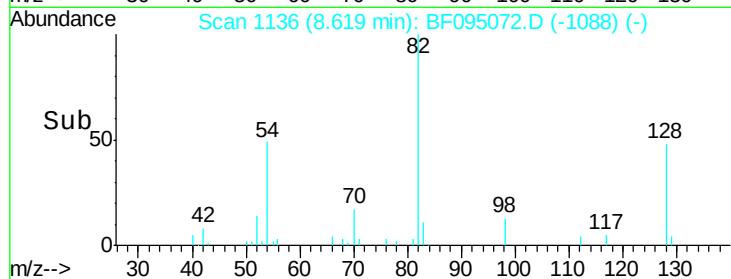
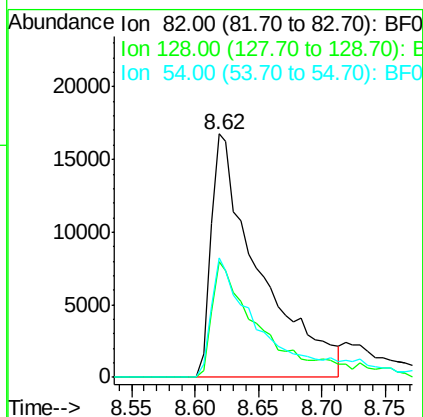
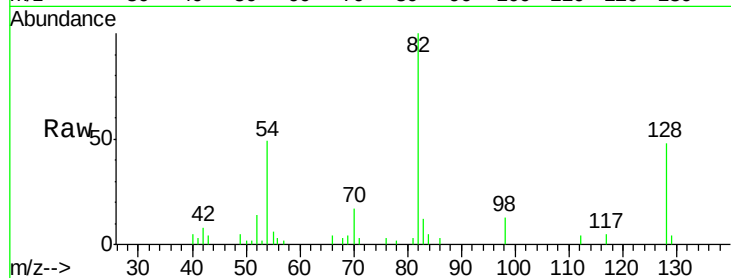




#23
 Nitrobenzene-d5
 Concen: 7.67 ng
 RT: 8.62 min Scan# 1136
 Delta R.T. -0.02 min
 Lab File: BF095072.D
 Acq: 10 May 2017 23:50

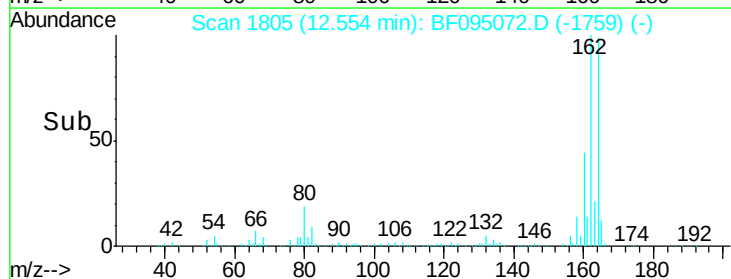
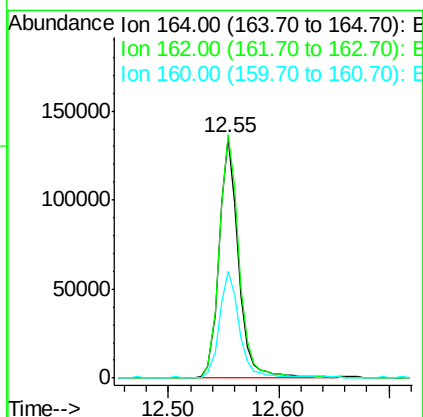
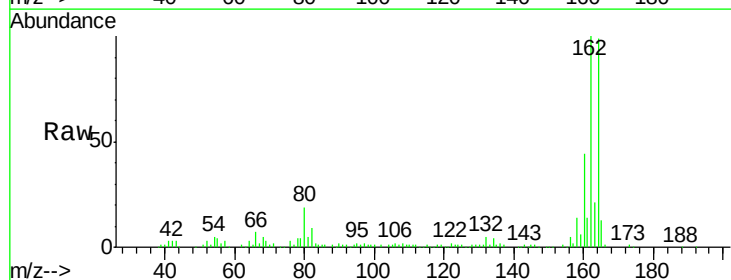
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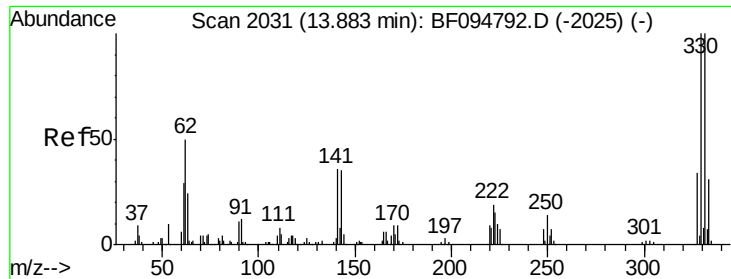
Tgt Ion: 82 Resp: 44479
 Ion Ratio Lower Upper
 82 100
 128 47.5 34.0 51.0
 54 49.1 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.55 min Scan# 1805
 Delta R.T. -0.03 min
 Lab File: BF095072.D
 Acq: 10 May 2017 23:50

Tgt Ion: 164 Resp: 165104
 Ion Ratio Lower Upper
 164 100
 162 101.5 82.6 123.8
 160 44.5 36.2 54.2

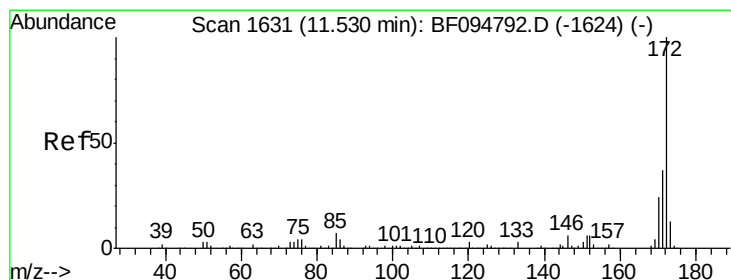
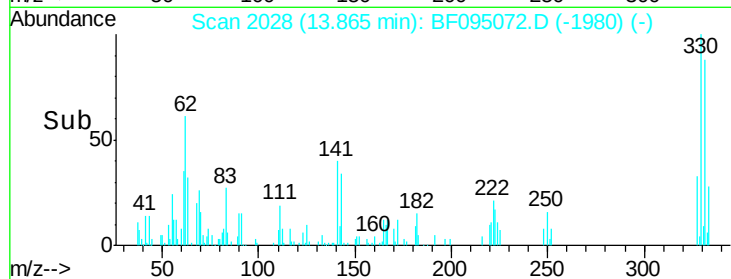
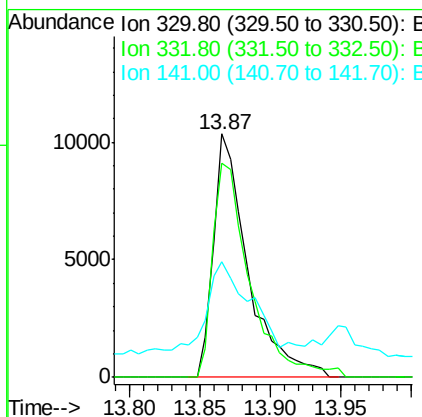
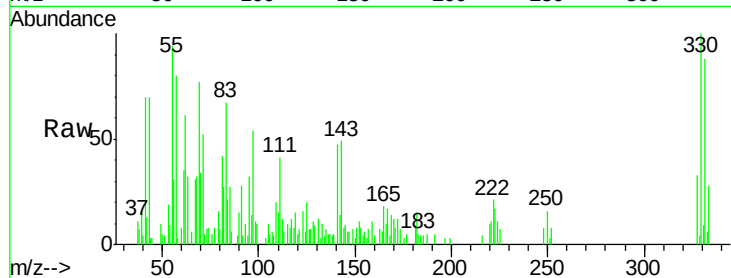




#41
 2,4,6-Tribromophenol
 Concen: 13.04 ng
 RT: 13.87 min Scan# 2028
 Delta R.T. -0.02 min
 Lab File: BF095072.D
 Acq: 10 May 2017 23:50

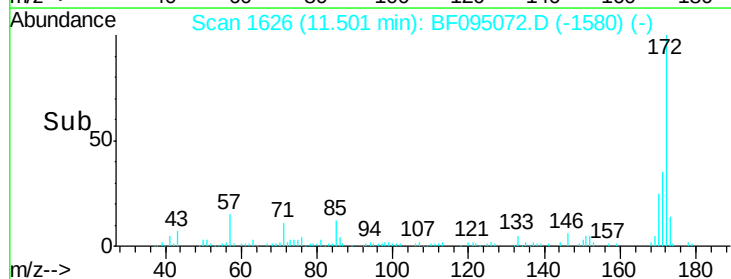
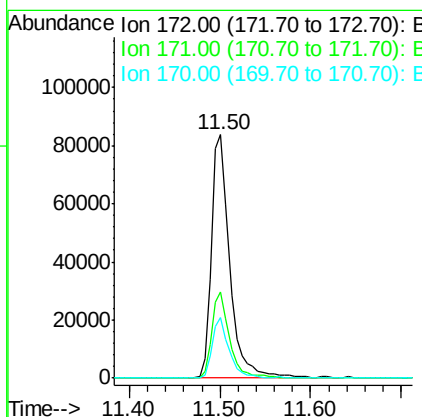
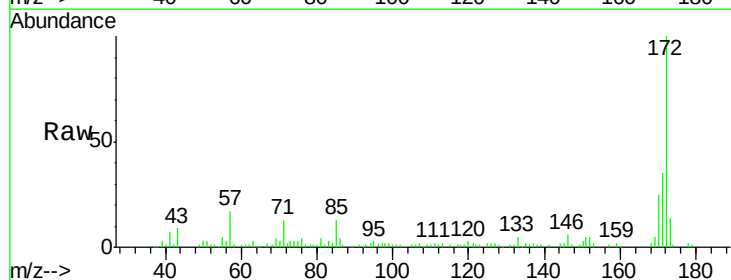
Instrument :
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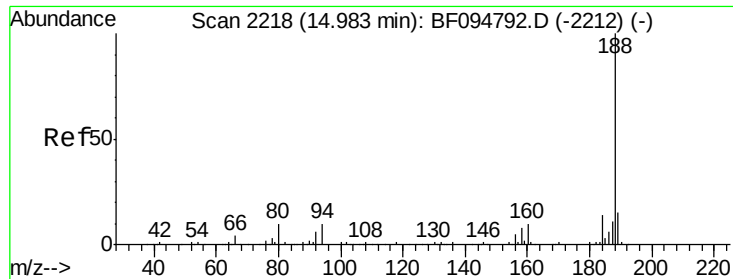
Tgt Ion: 330 Resp: 17629
 Ion Ratio Lower Upper
 330 100
 332 95.0 76.6 115.0
 141 66.7 31.4 47.2#



#44
 2-Fluorobiphenyl
 Concen: 10.31 ng
 RT: 11.50 min Scan# 1626
 Delta R.T. -0.03 min
 Lab File: BF095072.D
 Acq: 10 May 2017 23:50

Tgt Ion: 172 Resp: 118309
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.6 44.4
 170 24.7 19.8 29.8

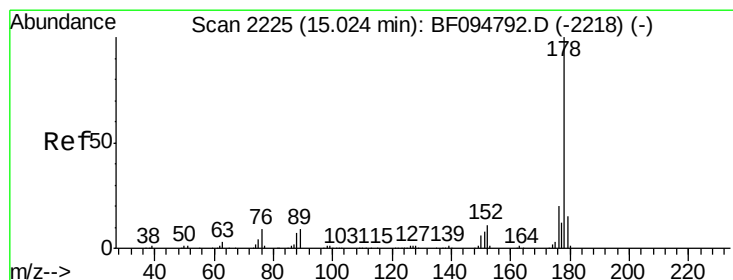
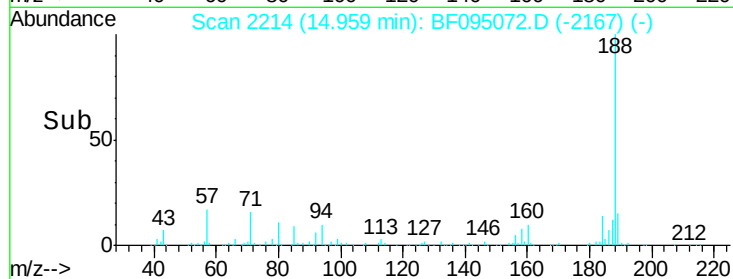
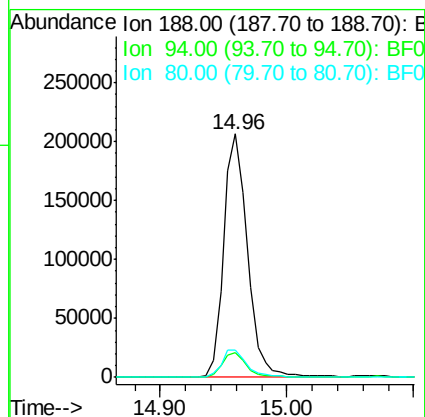
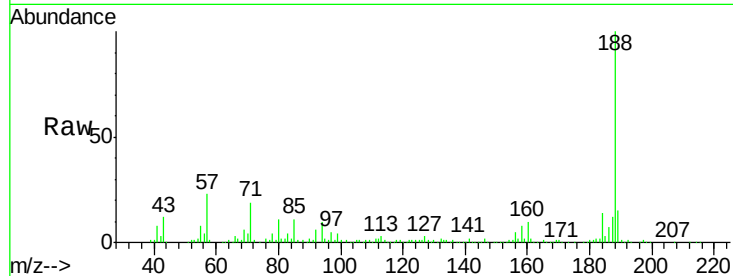




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.96 min Scan# 2214
 Delta R.T. -0.02 min
 Lab File: BF095072.D
 Acq: 10 May 2017 23:50

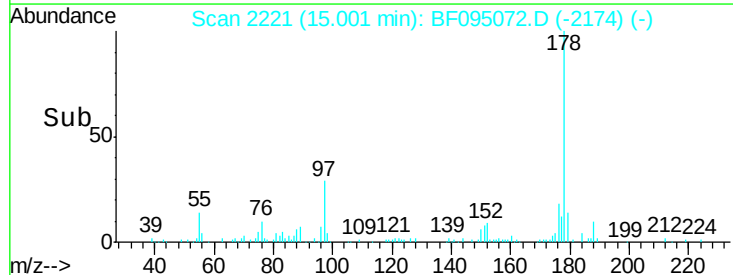
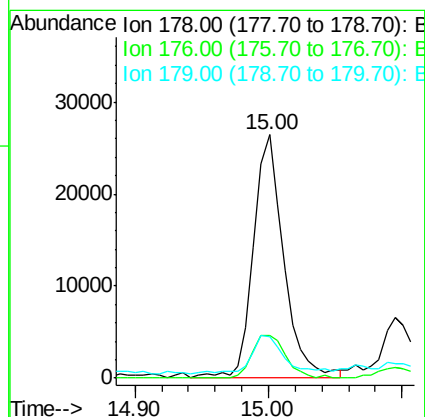
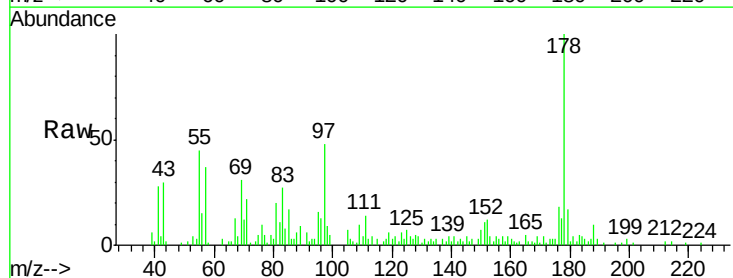
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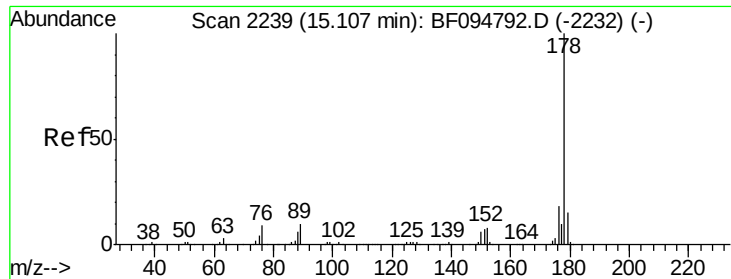
Tgt Ion:188 Resp: 269771
 Ion Ratio Lower Upper
 188 100
 94 9.9 9.4 14.2
 80 11.4 10.2 15.2



#70
 Phenanthrene
 Concen: 2.68 ng
 RT: 15.00 min Scan# 2221
 Delta R.T. -0.02 min
 Lab File: BF095072.D
 Acq: 10 May 2017 23:50

Tgt Ion:178 Resp: 41566
 Ion Ratio Lower Upper
 178 100
 176 17.7 16.2 24.4
 179 16.9 12.6 19.0

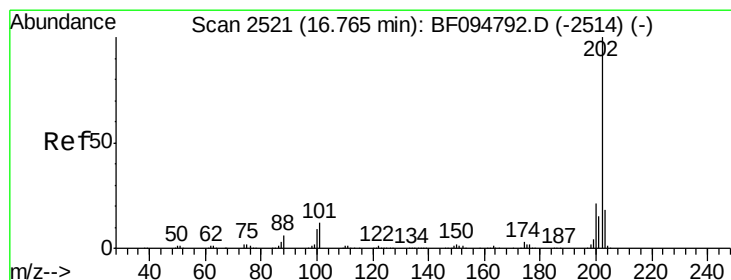
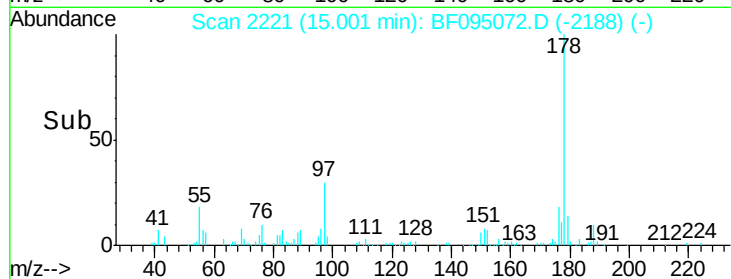
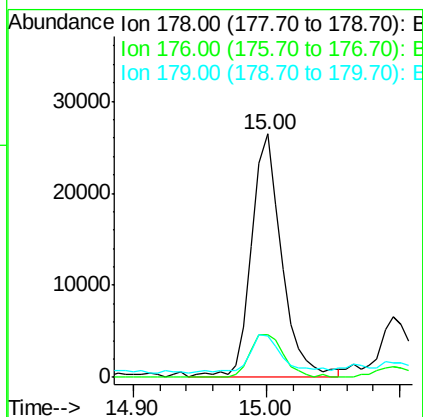
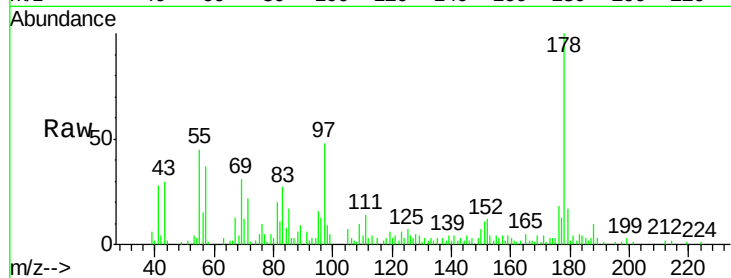




#71
 Anthracene
 Concen: 2.63 ng
 RT: 15.00 min Scan# 2221
 Delta R.T. -0.11 min
 Lab File: BF095072.D
 Acq: 10 May 2017 23:50

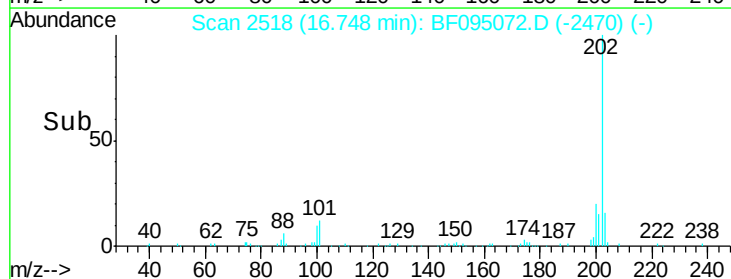
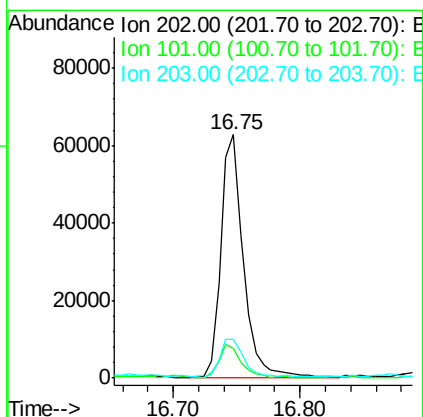
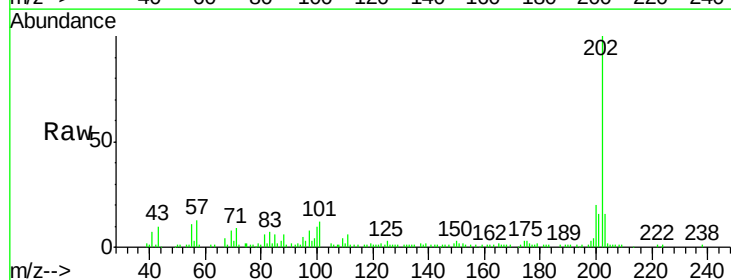
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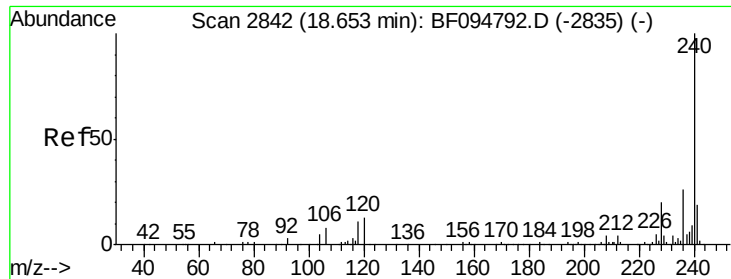
Tgt Ion:178 Resp: 41566
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.8 23.8
 179 16.9 12.7 19.1



#74
 Fluoranthene
 Concen: 4.92 ng
 RT: 16.75 min Scan# 2518
 Delta R.T. -0.02 min
 Lab File: BF095072.D
 Acq: 10 May 2017 23:50

Tgt Ion:202 Resp: 78261
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 33.2
 203 16.2 0.0 38.1

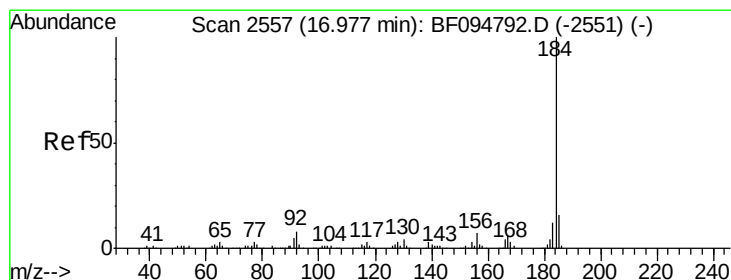
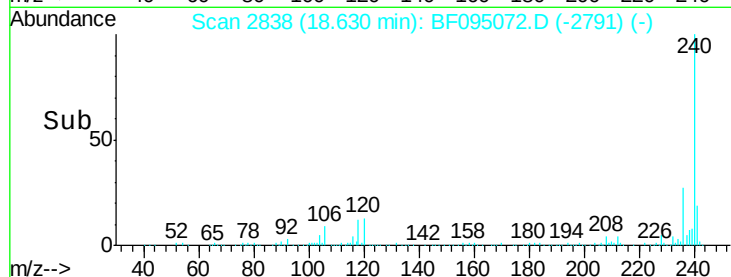
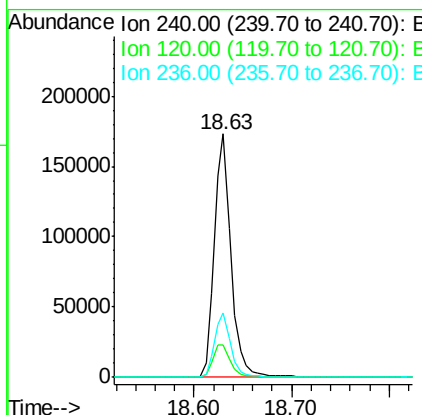
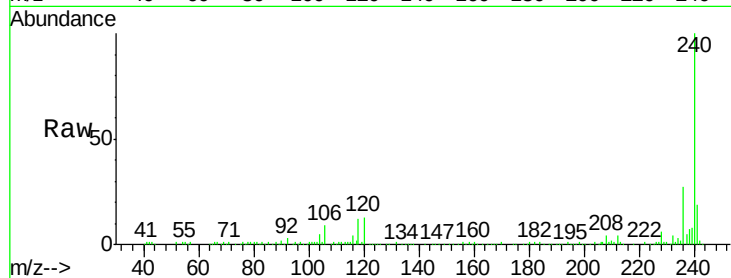




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.63 min Scan# 2838
 Delta R.T. -0.02 min
 Lab File: BF095072.D
 Acq: 10 May 2017 23:50

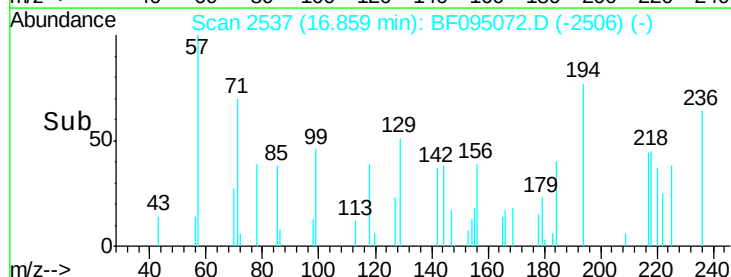
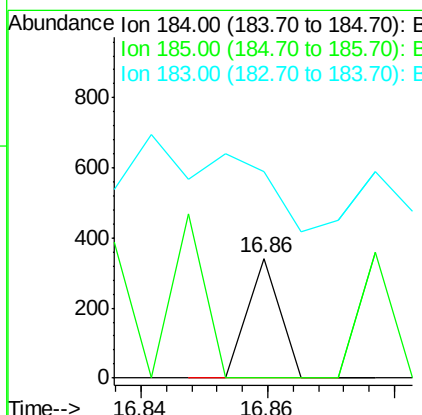
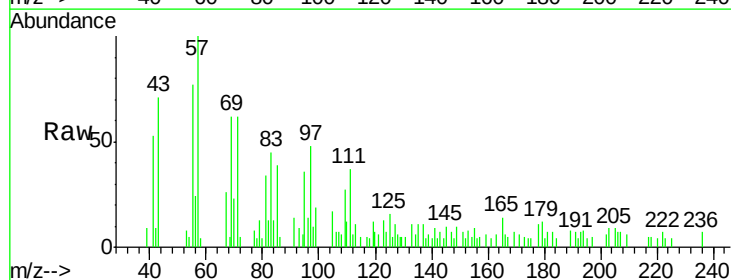
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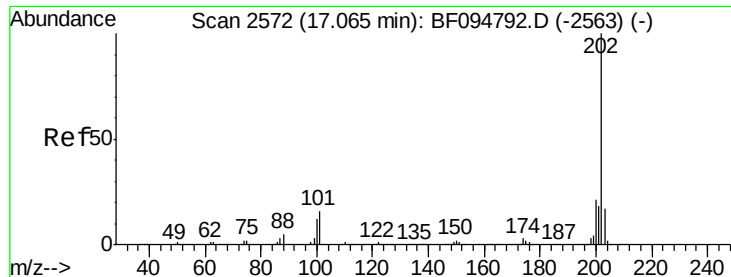
Tgt Ion:240 Resp: 204939
 Ion Ratio Lower Upper
 240 100
 120 13.5 5.8 8.8#
 236 26.5 20.5 30.7



#76
 Benzidine
 Concen: 6.61 ng
 RT: 16.86 min Scan# 2537
 Delta R.T. -0.12 min
 Lab File: BF095072.D
 Acq: 10 May 2017 23:50

Tgt Ion:184 Resp: 120
 Ion Ratio Lower Upper
 184 100
 185 0.0 15.5 23.3#
 183 172.4 9.8 14.6#





#77

Pyrene

Concen: 5.05 ng

RT: 17.05 min Scan# 2569

Delta R.T. -0.02 min

Lab File: BF095072.D

Acq: 10 May 2017 23:50

Instrument :

BNA_F

ClientSampleId :

JC-SWITCH-DRUM-SPILL(COMP)

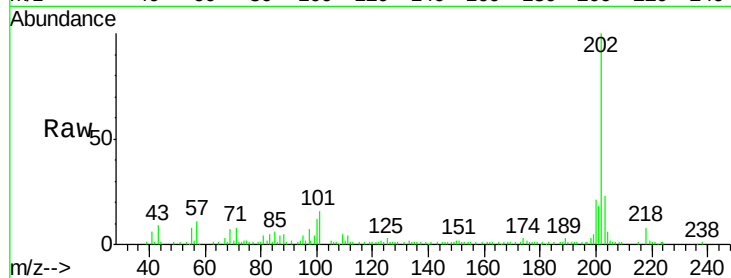
Tgt Ion:202 Resp: 77333

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

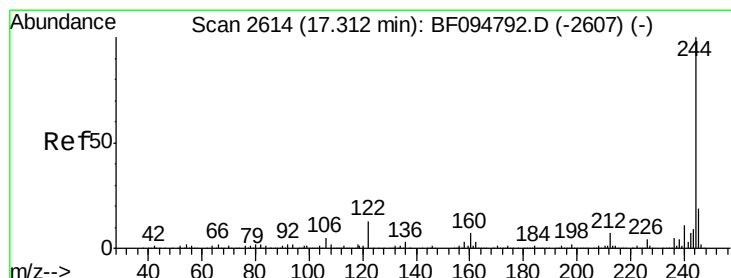
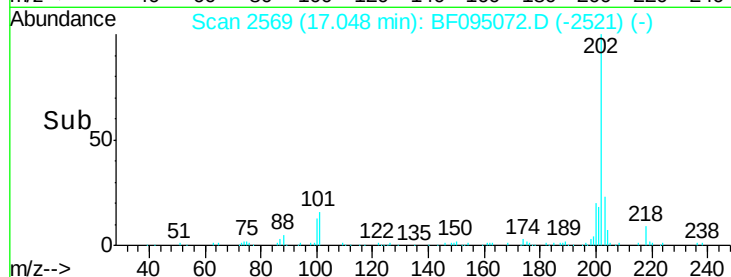
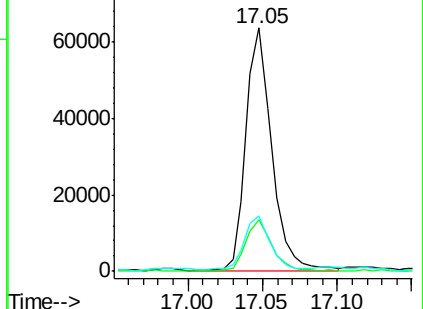
203 22.8 14.4 21.6#



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: 10.33 ng

RT: 17.28 min Scan# 2609

Delta R.T. -0.03 min

Lab File: BF095072.D

Acq: 10 May 2017 23:50

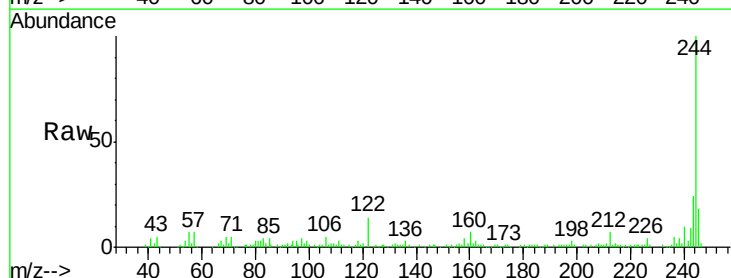
Tgt Ion:244 Resp: 96151

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

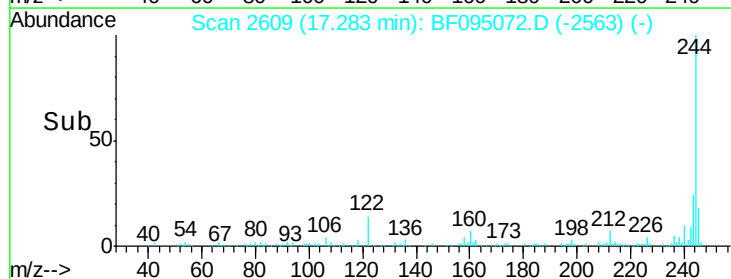
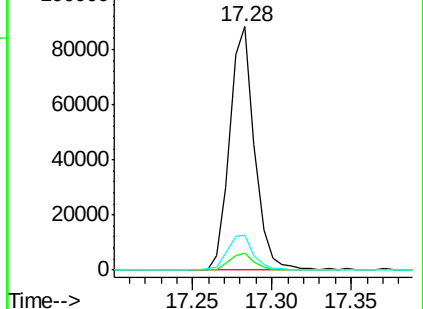
122 14.5 10.3 15.5

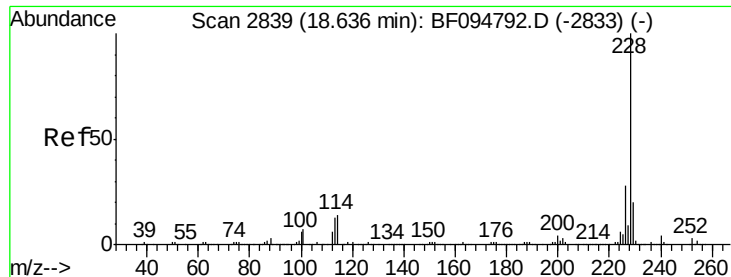


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.74 ng

RT: 18.62 min Scan# 2836

Delta R.T. -0.02 min

Lab File: BF095072.D

Acq: 10 May 2017 23:50

Instrument :

BNA_F

ClientSampleId :

JC-SWITCH-DRUM-SPILL(COMP)

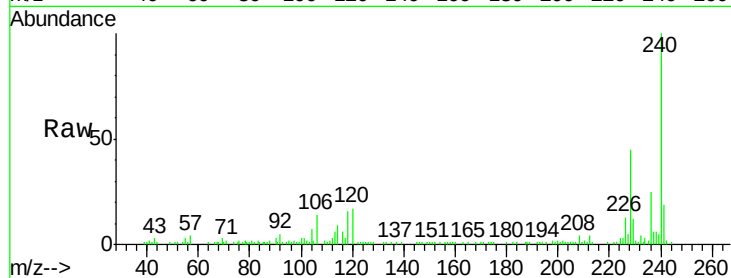
Tgt Ion:228 Resp: 32730

Ion Ratio Lower Upper

228 100

226 29.7 22.6 33.8

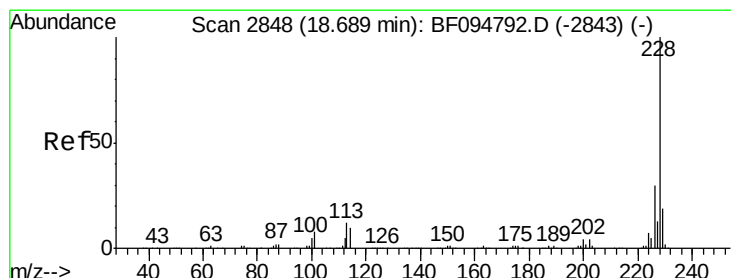
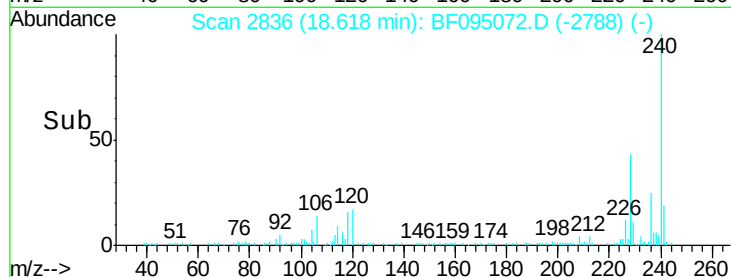
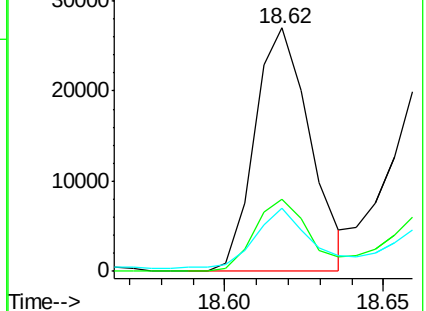
229 26.0 16.3 24.5#



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: 18.67 min Scan# 2844

Delta R.T. -0.02 min

Lab File: BF095072.D

Acq: 10 May 2017 23:50

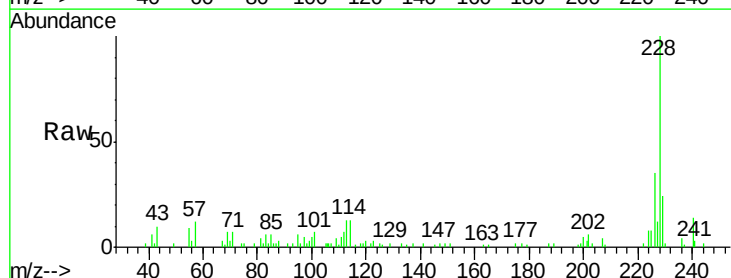
Tgt Ion:228 Resp: 35301

Ion Ratio Lower Upper

228 100

226 35.0 24.9 37.3

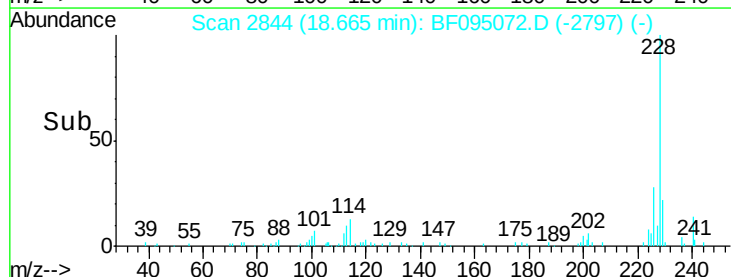
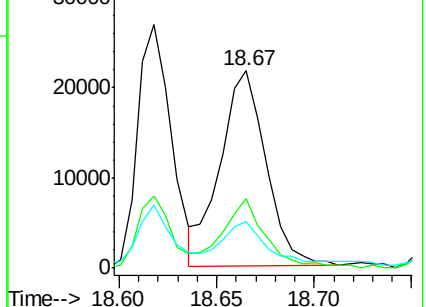
229 23.6 15.8 23.6

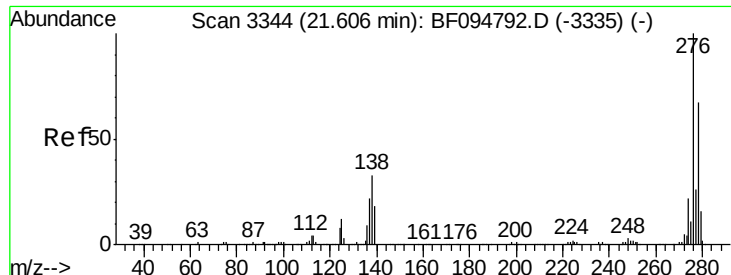


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

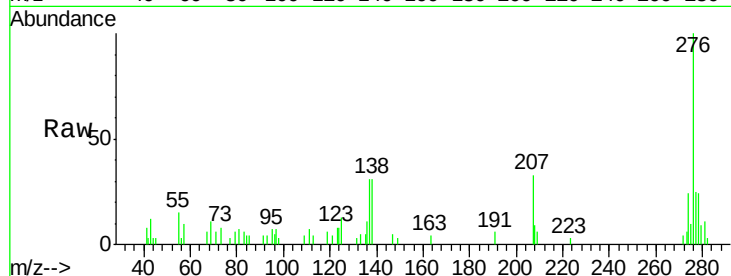




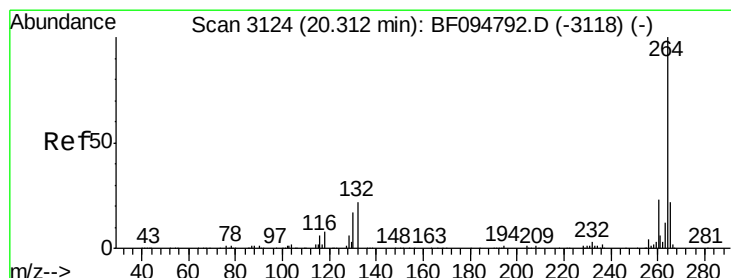
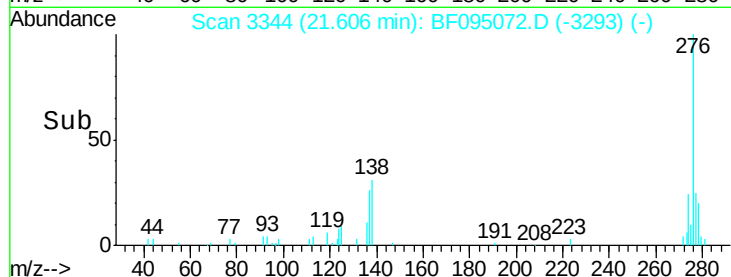
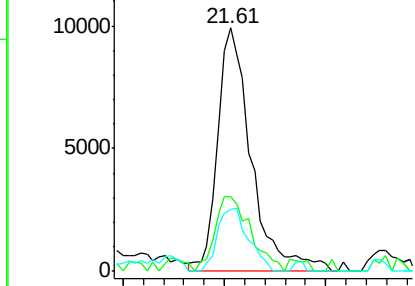
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.45 ng
 RT: 21.61 min Scan# 3344
 Delta R.T. -0.00 min
 Lab File: BF095072.D
 Acq: 10 May 2017 23:50

Instrument :
 BNA_F
 ClientSampleId :
 JC-SWITCH-DRUM-SPILL(COMP)

Tgt Ion: 276 Resp: 22921
 Ion Ratio Lower Upper
 276 100
 138 32.4 27.8 41.6
 277 23.8 20.2 30.4

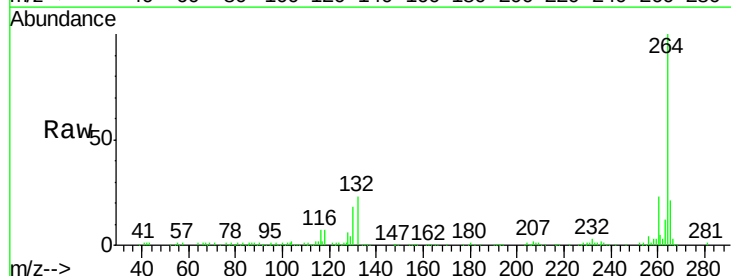


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

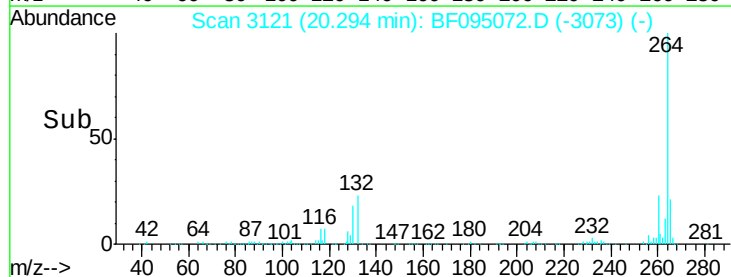
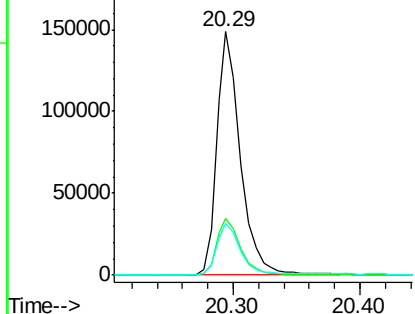


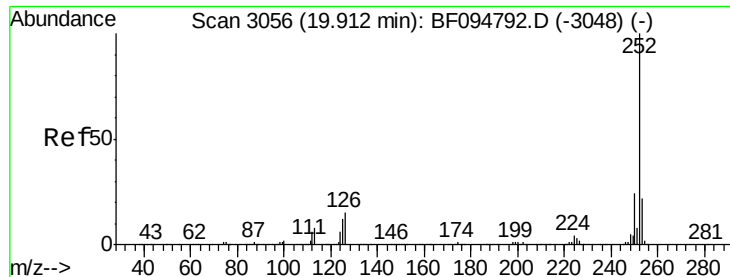
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.29 min Scan# 3121
 Delta R.T. -0.02 min
 Lab File: BF095072.D
 Acq: 10 May 2017 23:50

Tgt Ion: 264 Resp: 193263
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.5 29.3
 265 21.0 17.2 25.8



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





#87

Benzo(b)fluoranthene

Concen: 3.66 ng

RT: 19.89 min Scan# 3053

Delta R.T. -0.02 min

Lab File: BF095072.D

Acq: 10 May 2017 23:50

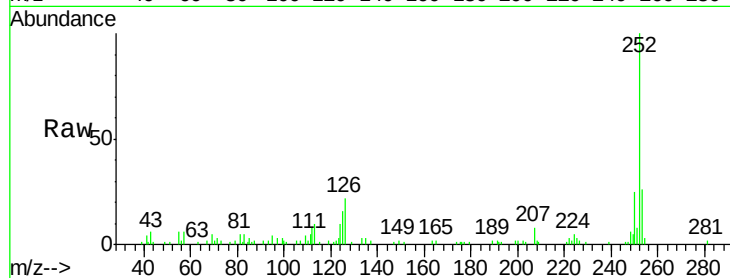
Instrument :

BNA_F

ClientSampleId :

JC-SWITCH-DRUM-SPILL(COMP)

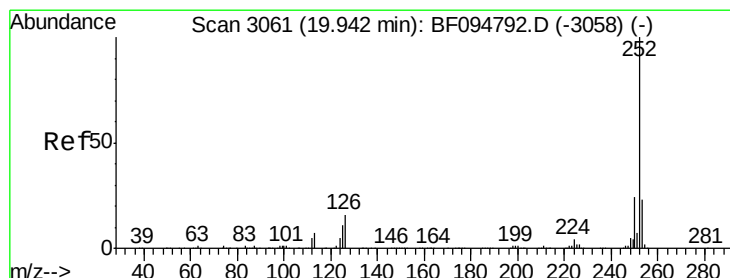
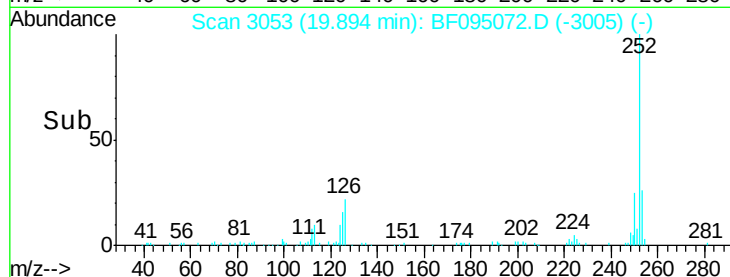
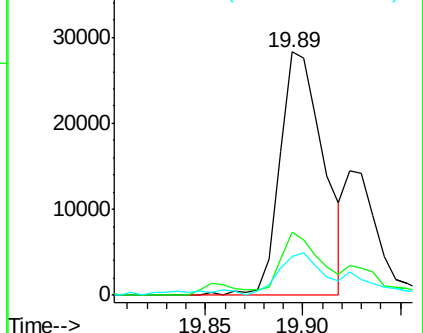
Tgt Ion:	252	Resp:	43730
Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.1	27.1
125	16.0	9.8	14.8#



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: 3.80 ng

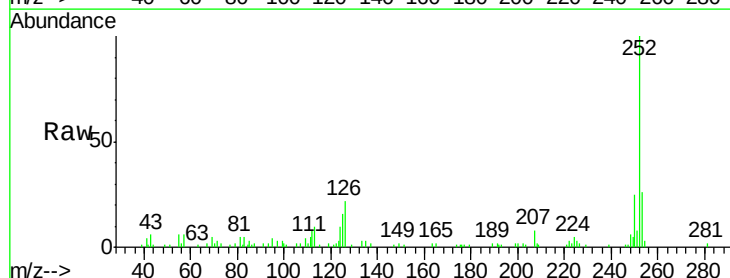
RT: 19.89 min Scan# 3053

Delta R.T. -0.05 min

Lab File: BF095072.D

Acq: 10 May 2017 23:50

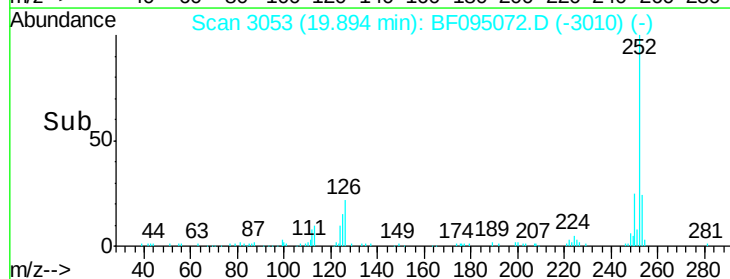
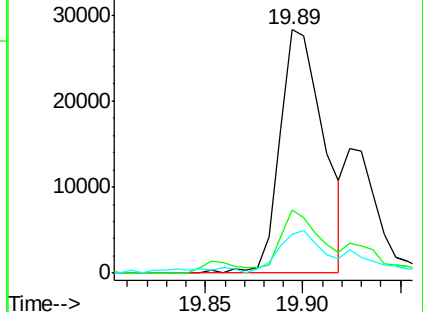
Tgt Ion:	252	Resp:	43730
Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.4	27.6
125	16.0	13.1	19.7

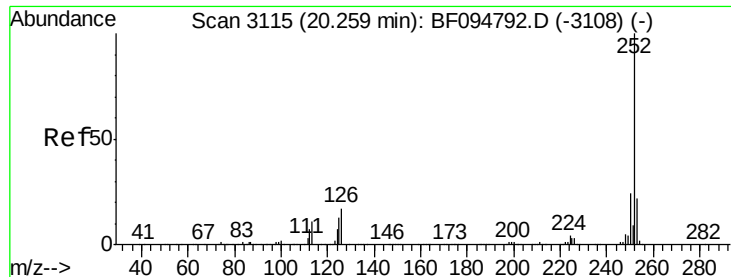


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

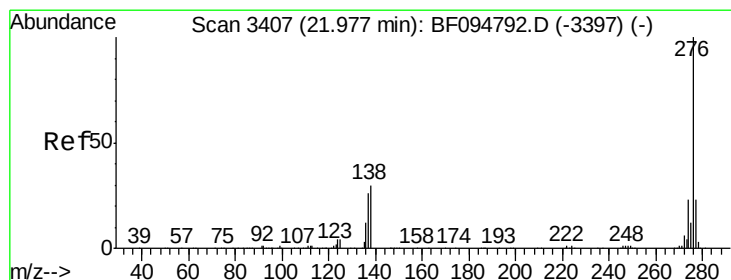
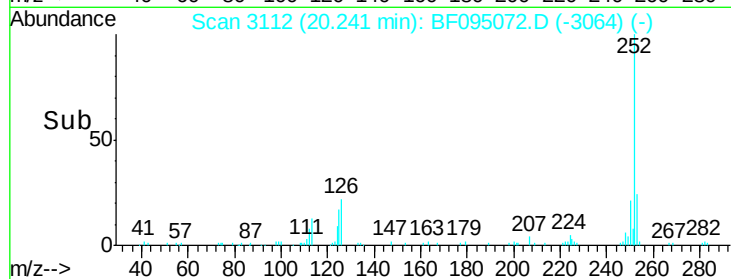
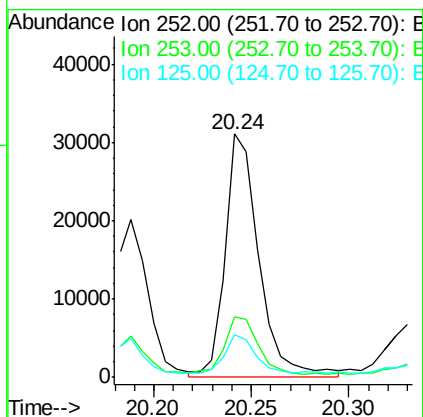
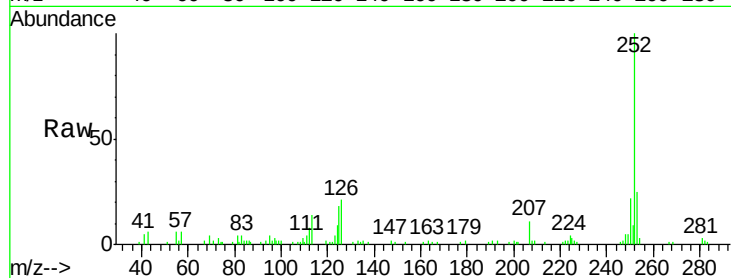




#89
Benzo(a)pyrene
Concen: 3.41 ng
RT: 20.24 min Scan# 3112
Delta R.T. -0.02 min
Lab File: BF095072.D
Acq: 10 May 2017 23:50

Instrument :
BNA_F
ClientSampleId :
JC-SWITCH-DRUM-SPILL(COMP)

Tgt Ion:252 Resp: 37557
Ion Ratio Lower Upper
252 100
253 25.0 17.5 26.3
125 17.7 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 2.59 ng
RT: 21.98 min Scan# 3408
Delta R.T. 0.01 min
Lab File: BF095072.D
Acq: 10 May 2017 23:50

Tgt Ion:276 Resp: 23143
Ion Ratio Lower Upper
276 100
277 25.4 18.6 28.0
138 27.8 25.4 38.0

