

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
 Data File : BF095456.D
 Acq On : 26 May 2017 12:37
 Operator : SJ/MA
 Sample : I3241-15
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

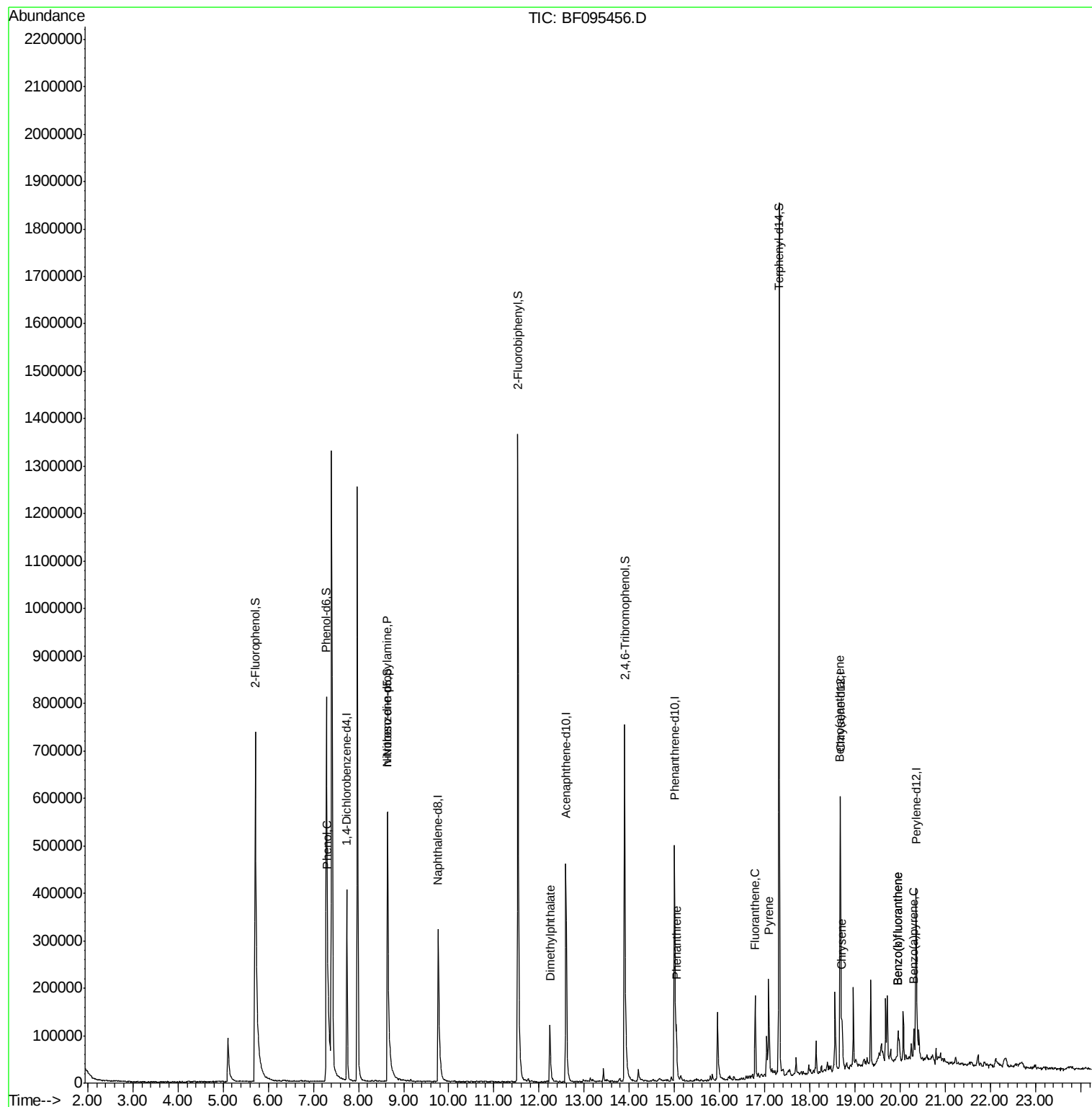
Quant Time: May 26 16:40:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

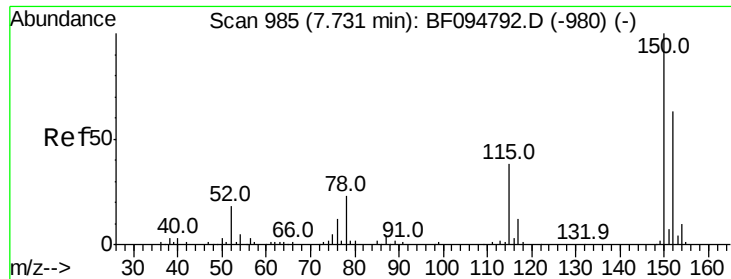
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	91075	20.00	ng	-0.02
21) Naphthalene-d8	9.77	136	369835	20.00	ng	-0.02
38) Acenaphthene-d10	12.59	164	170285	20.00	ng	-0.02
63) Phenanthrene-d10	15.00	188	333103	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	290078	20.00	ng	-0.02
86) Perylene-d12	20.35	264	192845	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	611531	111.95	ng	-0.02
7) Phenol-d6	7.29	99	762464	116.33	ng	-0.02
23) Nitrobenzene-d5	8.64	82	451713	77.02	ng	-0.03
41) 2,4,6-Tribromophenol	13.89	330	167596	120.18	ng	-0.02
44) 2-Fluorobiphenyl	11.53	172	817827	69.13	ng	-0.03
78) Terphenyl-d14	17.32	244	746007	56.64	ng	-0.03
Target Compounds						Qvalue
10) Phenol	7.31	94	16751	2.43	ng	# 45
19) n-Nitroso-di-n-propylamine	8.64	70	51344	11.58	ng	# 75
49) Dimethylphthalate	12.24	163	105465	7.54	ng	100
70) Phenanthrene	15.04	178	61414	3.21	ng	96
74) Fluoranthene	16.79	202	110911	5.65	ng	97
77) Pyrene	17.09	202	101171	4.66	ng	96
80) Benzo(a)anthracene	18.67	228	36306	2.15	ng	97
82) Chrysene	18.71	228	44740	2.74	ng	98
87) Benzo(b)fluoranthene	19.96	252	46263	3.88	ng	# 94
88) Benzo(k)fluoranthene	19.96	252	46263	4.02	ng	97
89) Benzo(a)pyrene	20.31	252	23583	2.14	ng	93

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

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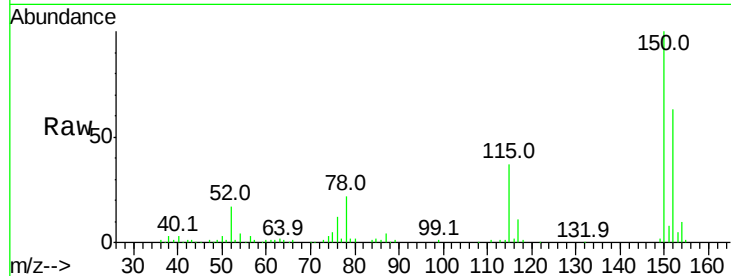




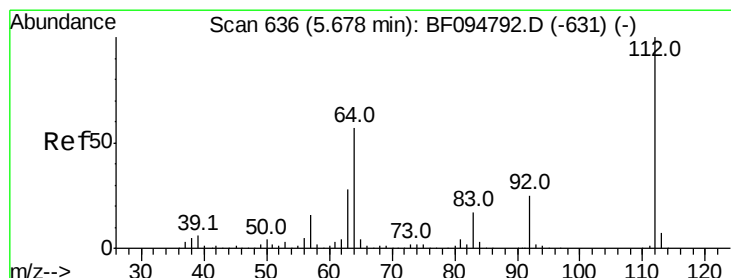
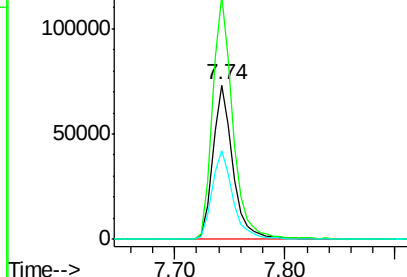
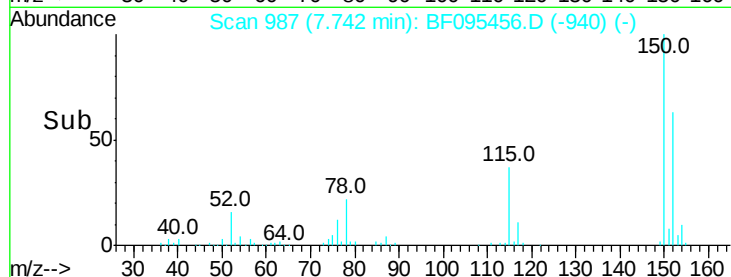
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 987
Delta R.T. -0.02 min
Lab File: BF095456.D
Acq: 26 May 2017 12:37

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	126.2	189.2
115	57.6	52.2	78.2



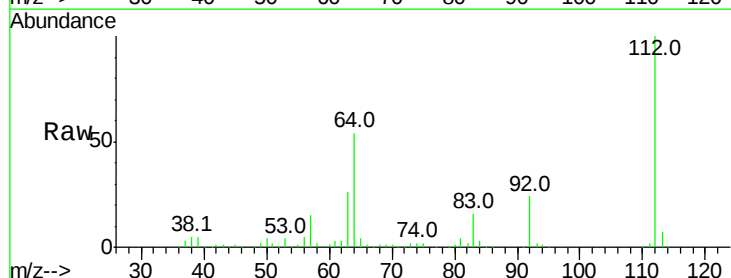
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



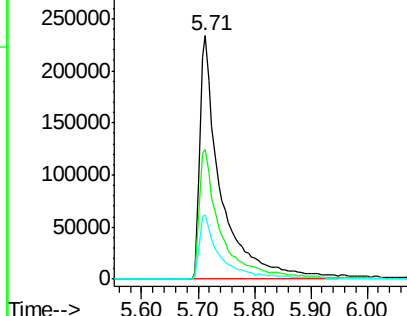
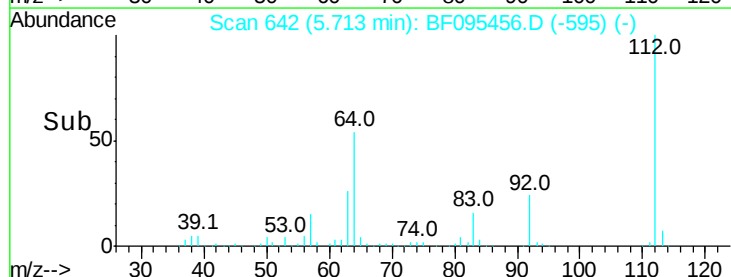
#5

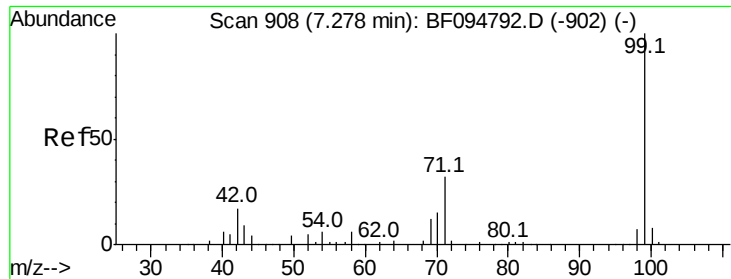
2-Fluorophenol
Concen: 111.95 ng
RT: 5.71 min Scan# 642
Delta R.T. -0.02 min
Lab File: BF095456.D
Acq: 26 May 2017 12:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	46.0	69.0
63	26.4	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: 116.33 ng

RT: 7.29 min Scan# 910

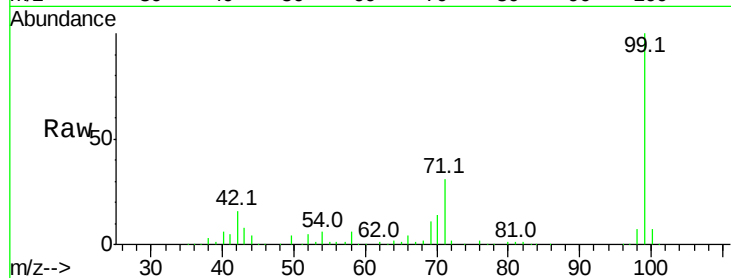
Delta R.T. -0.02 min

Lab File: BF095456.D

Acq: 26 May 2017 12:37

Tot Ion: 99 Resp: 762464

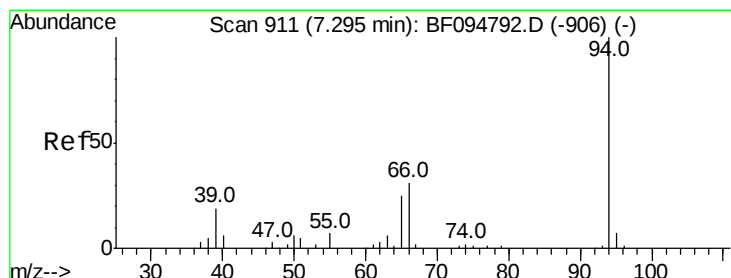
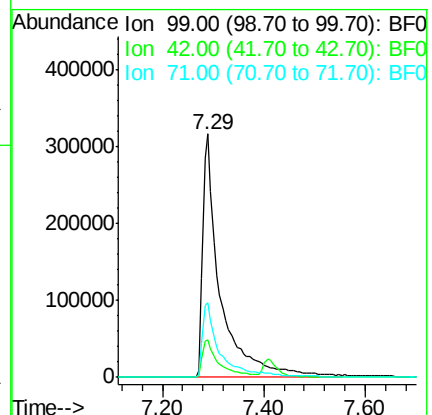
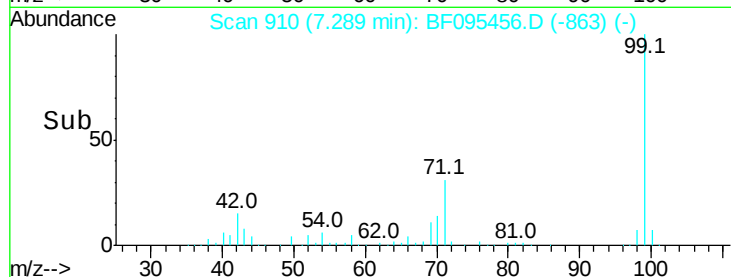
Ion	Ratio	Lower	Upper
99	100		
42	15.6	13.5	20.3
71	30.8	24.5	36.7



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



#10

Phenol

Concen: 2.43 ng

RT: 7.31 min Scan# 914

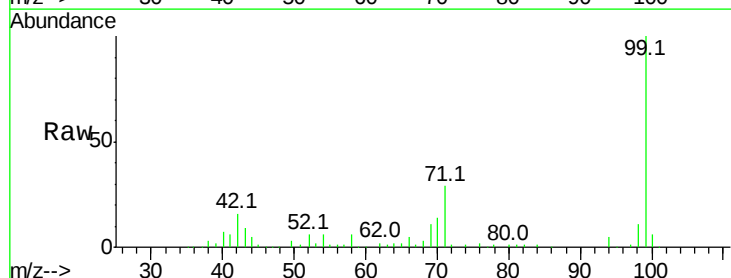
Delta R.T. -0.02 min

Lab File: BF095456.D

Acq: 26 May 2017 12:37

Tgt Ion: 94 Resp: 16751

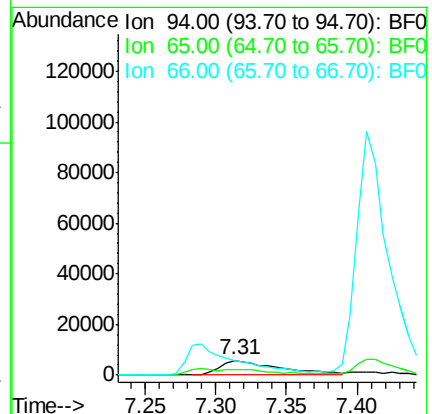
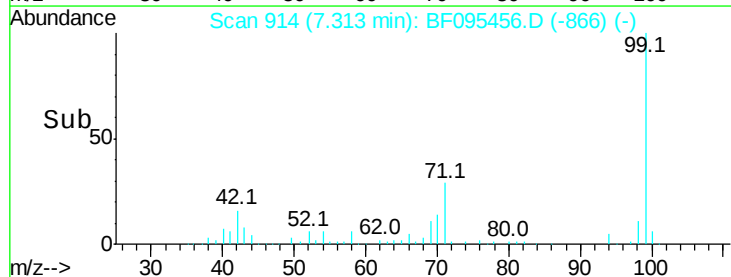
Ion	Ratio	Lower	Upper
94	100		
65	35.2	9.9	49.9
66	98.8	23.1	63.1

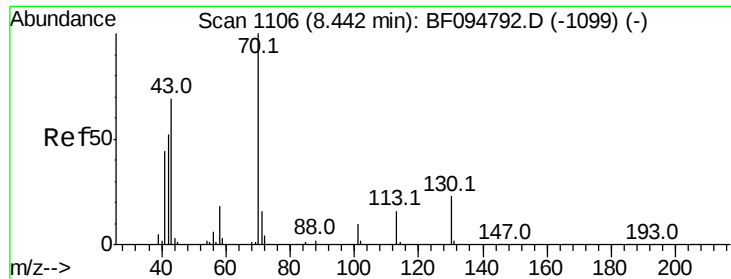


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

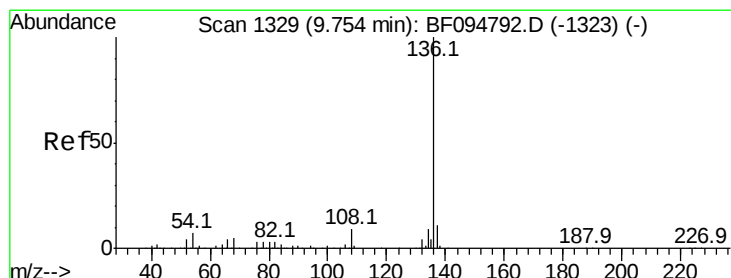
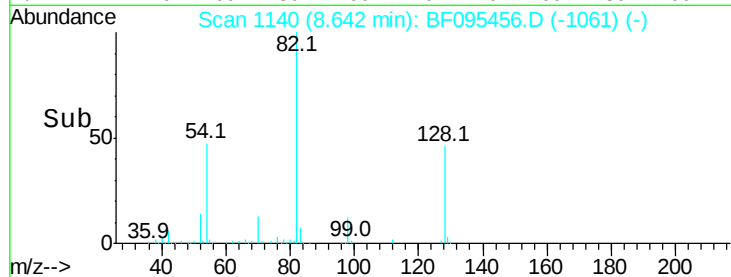
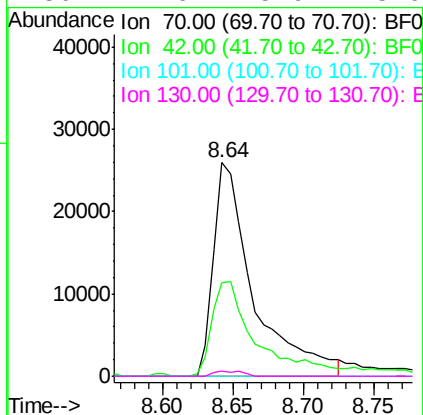
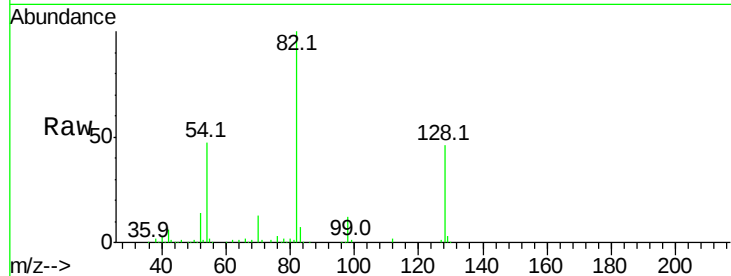
Ion 66.00 (65.70 to 66.70): BF0





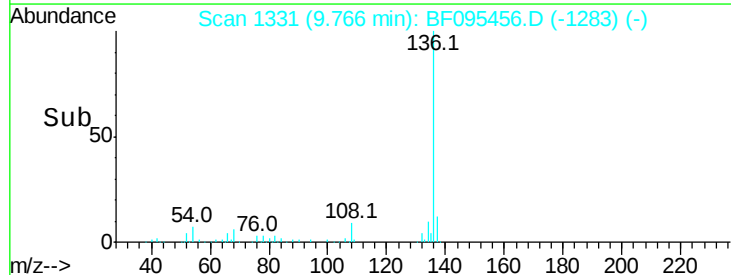
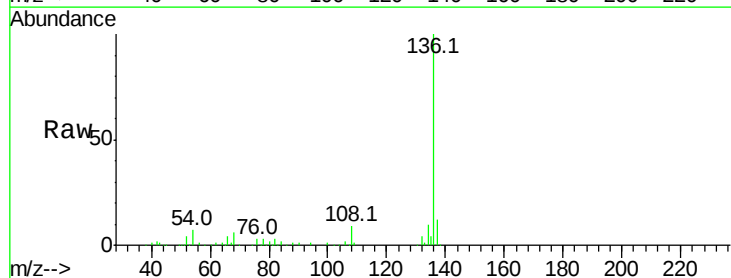
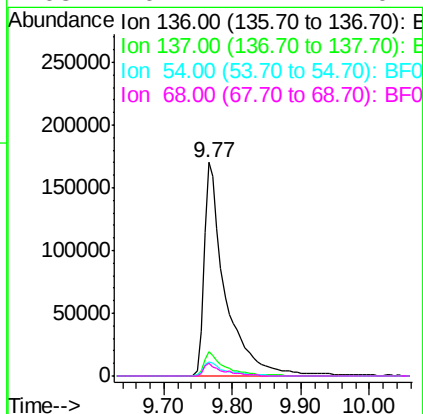
#19
n-Nitroso-di-n-propylamine
Concen: 11.58 ng
RT: 8.64 min Scan# 1140
Delta R.T. 0.16 min
Lab File: BF095456.D
Acq: 26 May 2017 12:37

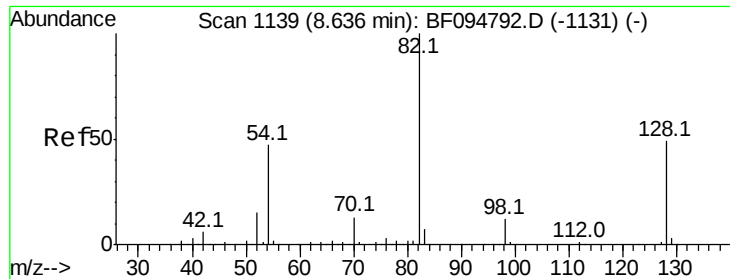
Tot Ion	Ratio	Lower	Upper
70	100		
42	44.0	47.2	70.8#
101	0.0	7.2	10.8#
130	2.6	15.9	23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.77 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF095456.D
Acq: 26 May 2017 12:37

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.5	12.7
54	6.8	4.9	7.3
68	6.1	4.1	6.1





#23

Nitrobenzene-d5

Concen: 77.02 ng

RT: 8.64 min Scan# 1140

Delta R.T. -0.03 min

Lab File: BF095456.D

Acq: 26 May 2017 12:37

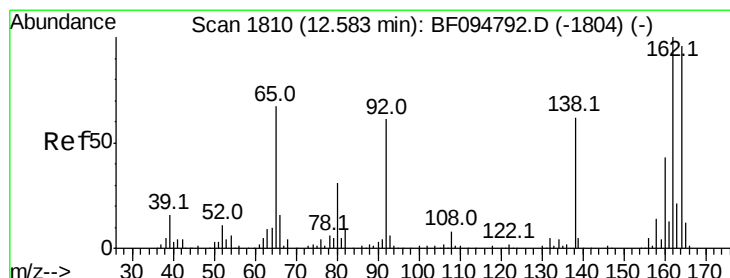
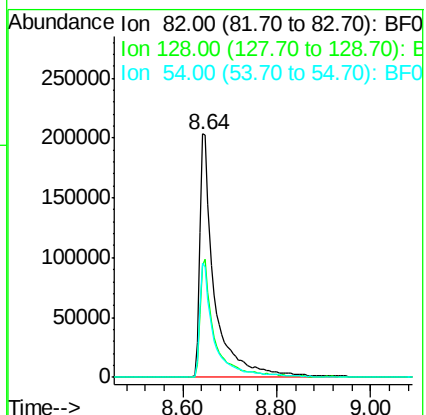
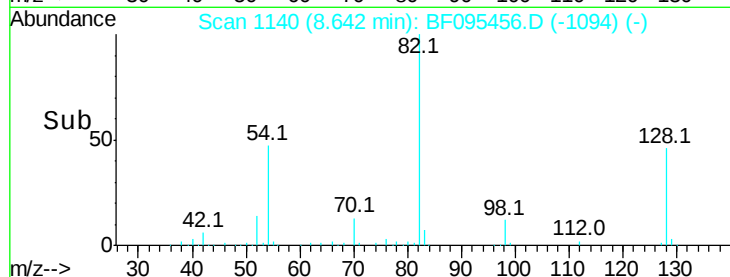
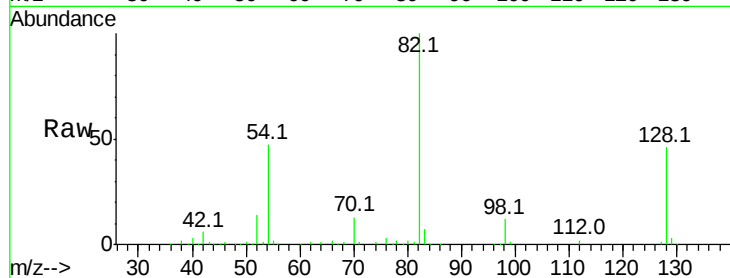
Tot Ion: 82 Resp: 451713

Ion Ratio Lower Upper

82 100

128 46.0 34.0 51.0

54 47.1 42.2 63.2



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.59 min Scan# 1812

Delta R.T. -0.02 min

Lab File: BF095456.D

Acq: 26 May 2017 12:37

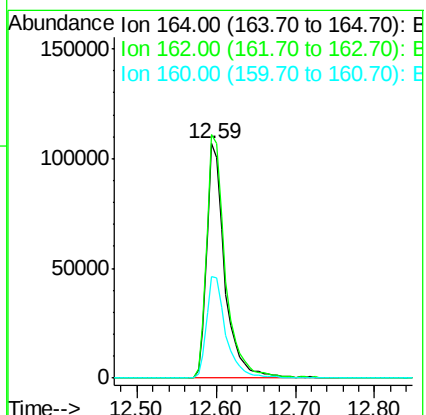
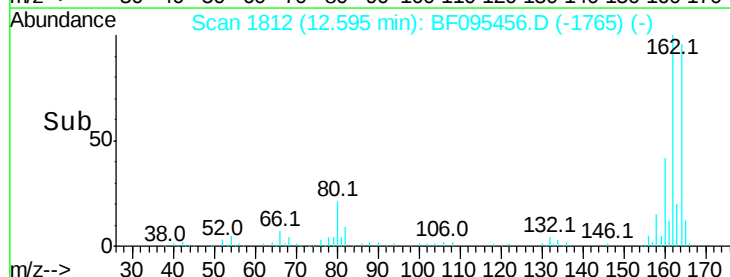
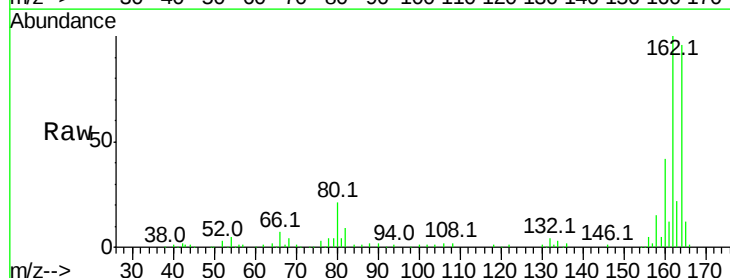
Tgt Ion: 164 Resp: 170285

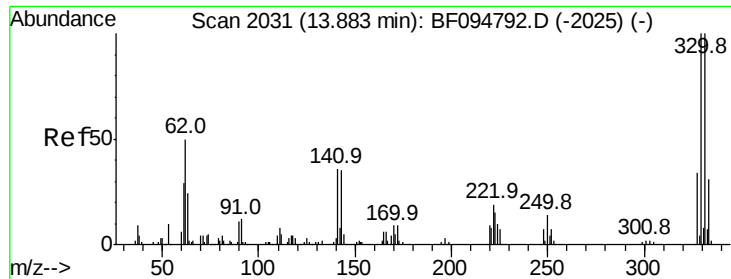
Ion Ratio Lower Upper

164 100

162 103.9 82.6 123.8

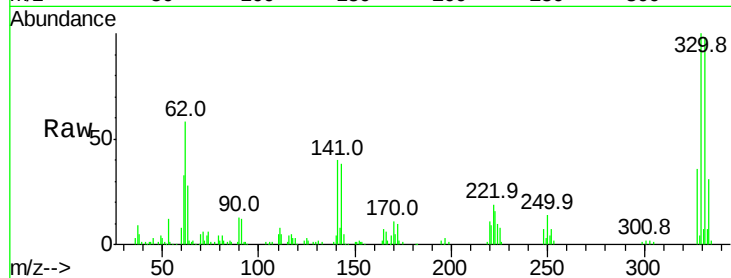
160 43.5 36.2 54.2



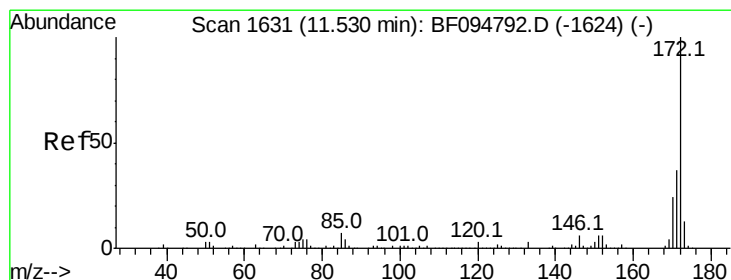
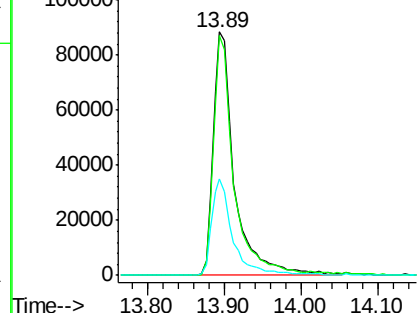
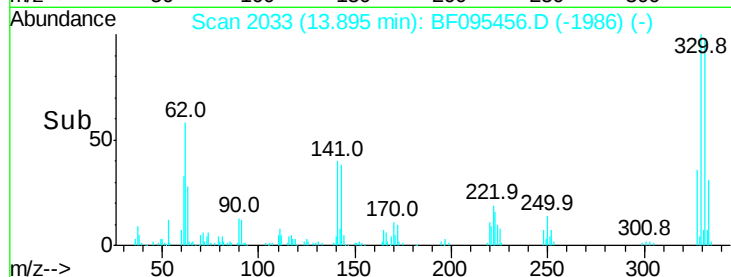


#41
 2,4,6-Tribromophenol
 Concen: 120.18 ng
 RT: 13.89 min Scan# 2033
 Delta R.T. -0.02 min
 Lab File: BF095456.D
 Acq: 26 May 2017 12:37

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.7	76.6	115.0
141	38.8	31.4	47.2

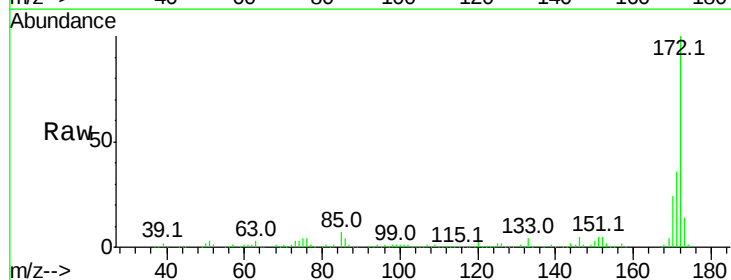


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

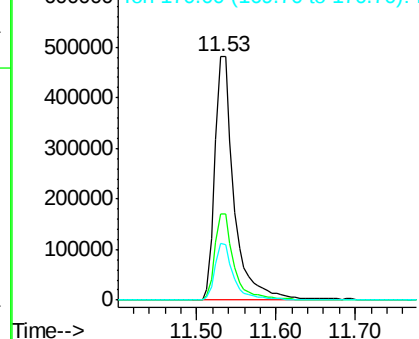
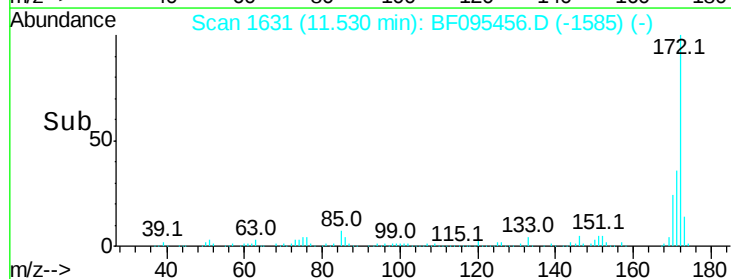


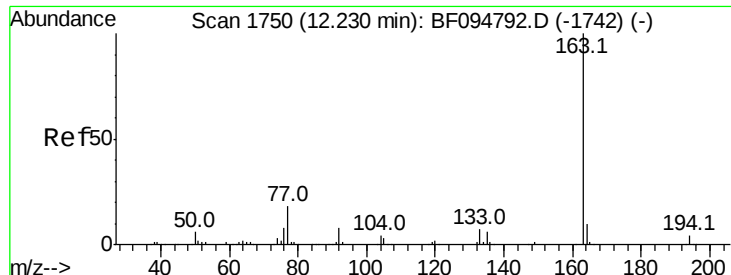
#44
 2-Fluorobiphenyl
 Concen: 69.13 ng
 RT: 11.53 min Scan# 1631
 Delta R.T. -0.03 min
 Lab File: BF095456.D
 Acq: 26 May 2017 12:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	23.5	19.8	29.8



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: 7.54 ng

RT: 12.24 min Scan# 1752

Delta R.T. -0.02 min

Lab File: BF095456.D

Acq: 26 May 2017 12:37

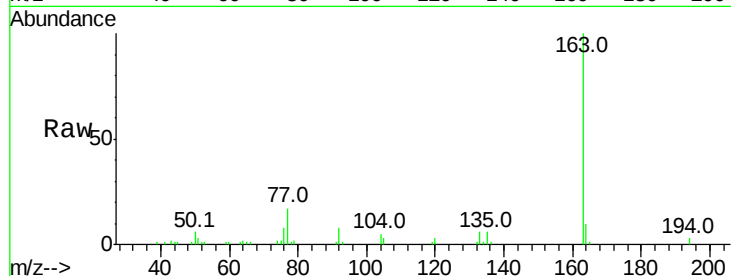
Tot Ion:163 Resp: 105465

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

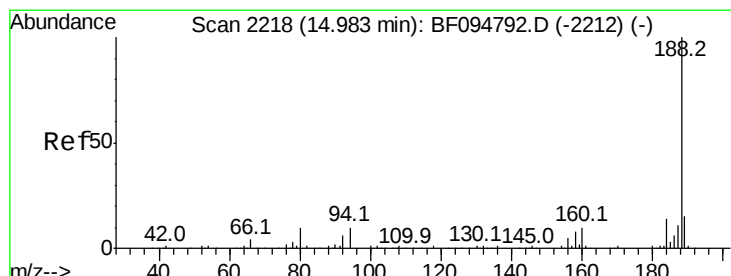
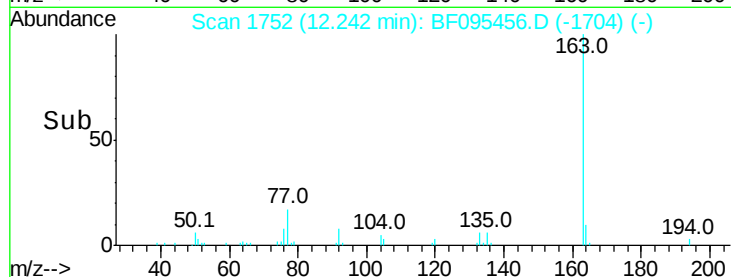
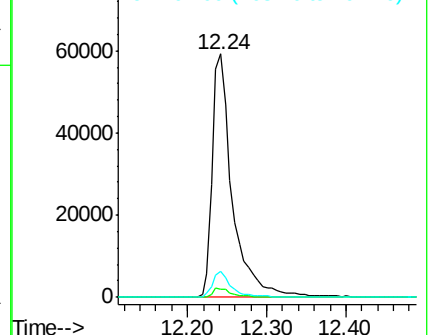
164 10.4 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 15.00 min Scan# 2221

Delta R.T. -0.02 min

Lab File: BF095456.D

Acq: 26 May 2017 12:37

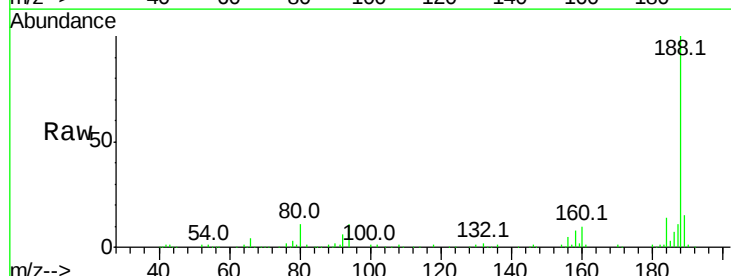
Tgt Ion:188 Resp: 333103

Ion Ratio Lower Upper

188 100

94 10.7 9.4 14.2

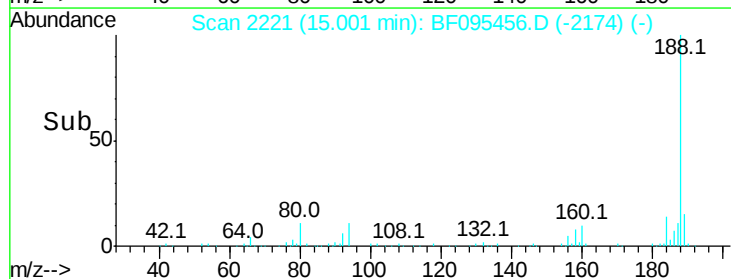
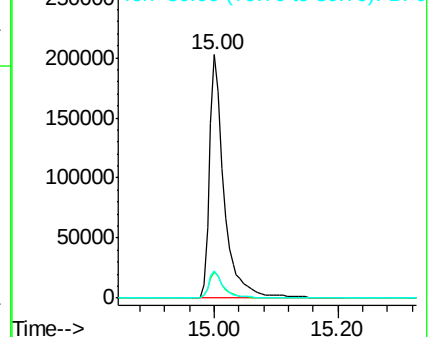
80 11.2 10.2 15.2

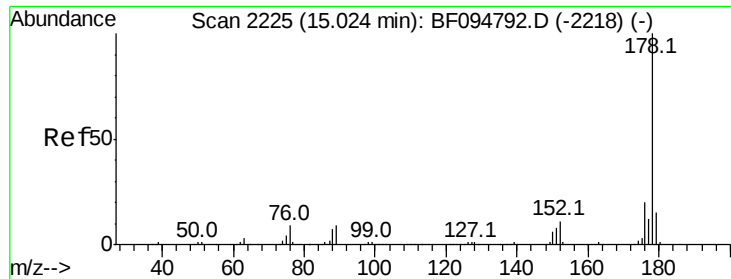


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

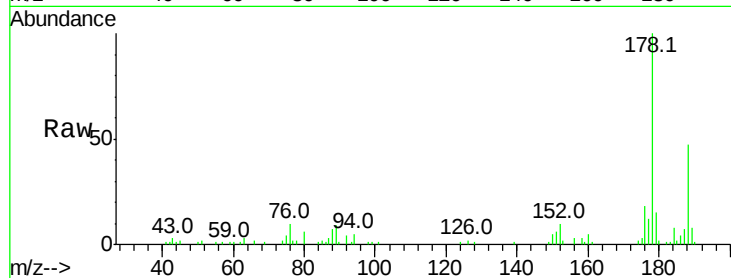




#70
Phenanthrene
Concen: 3.21 ng
RT: 15.04 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF095456.D
Acq: 26 May 2017 12:37

Tot Ion:178 Resp: 61414

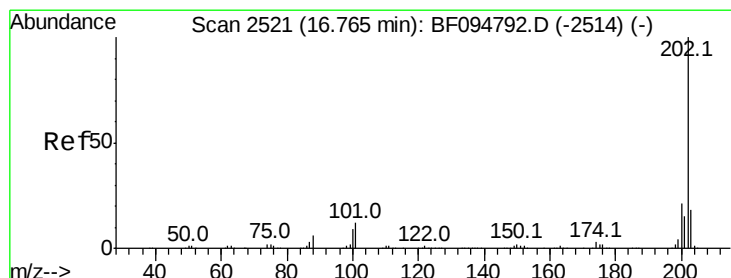
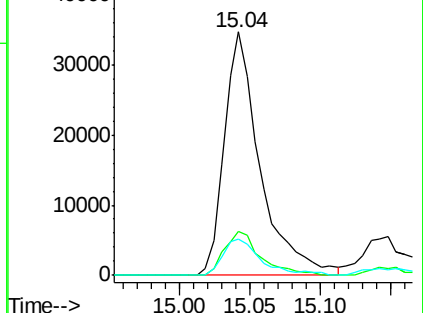
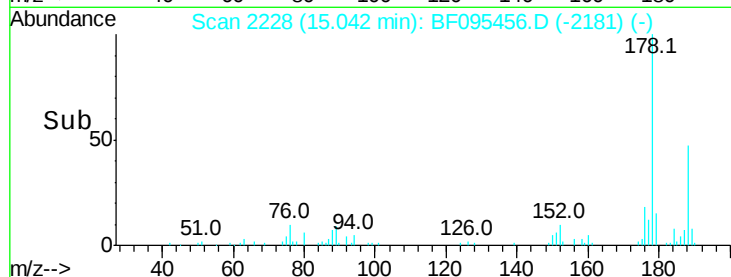
Ion	Ratio	Lower	Upper
178	100		
176	18.1	16.2	24.4
179	14.9	12.6	19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

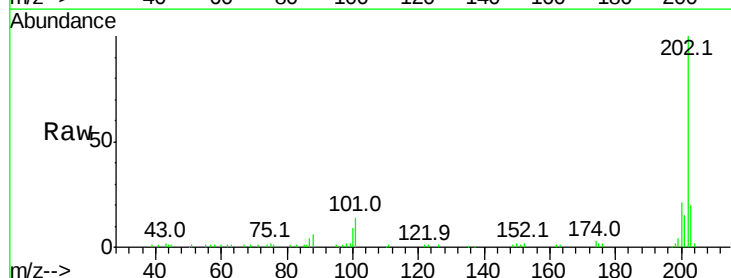
Ion 179.00 (178.70 to 179.70): E



#74
Fluoranthene
Concen: 5.65 ng
RT: 16.79 min Scan# 2525
Delta R.T. -0.01 min
Lab File: BF095456.D
Acq: 26 May 2017 12:37

Tgt Ion:202 Resp: 110911

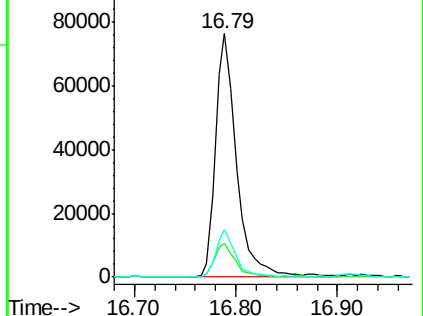
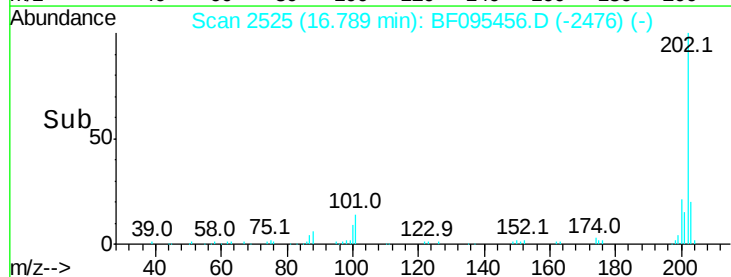
Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	33.2
203	19.6	0.0	38.1

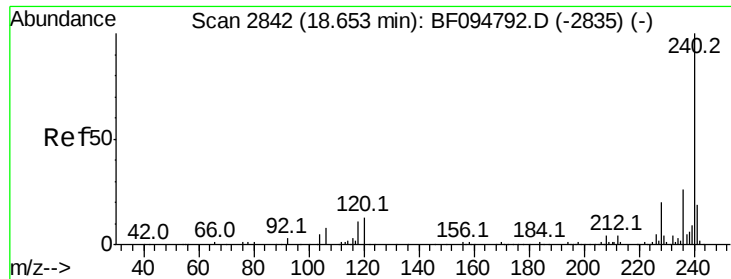


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

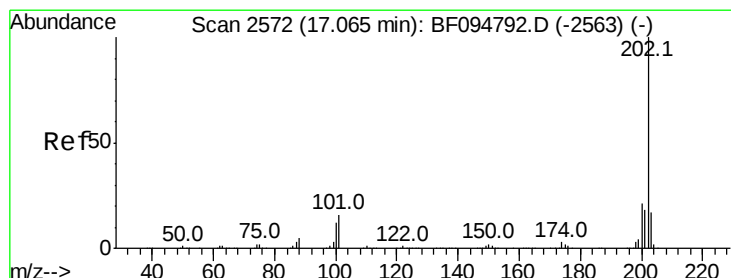
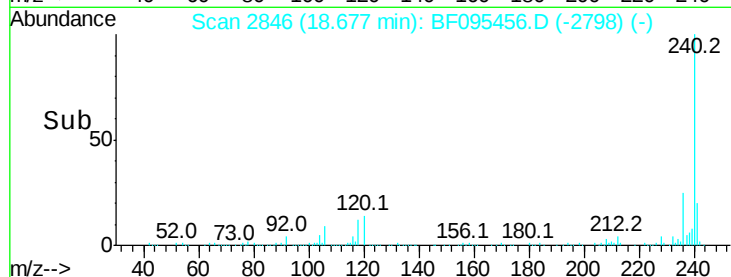
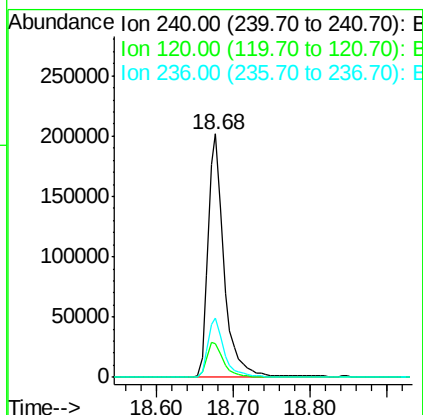
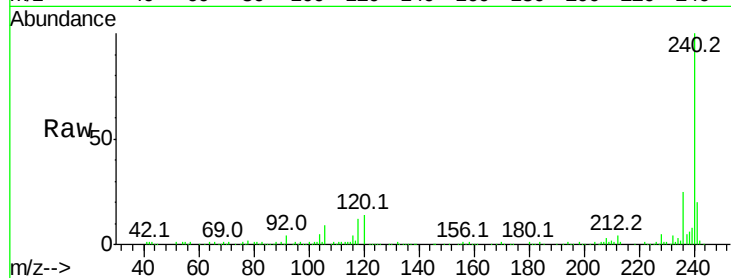
Ion 203.00 (202.70 to 203.70): E





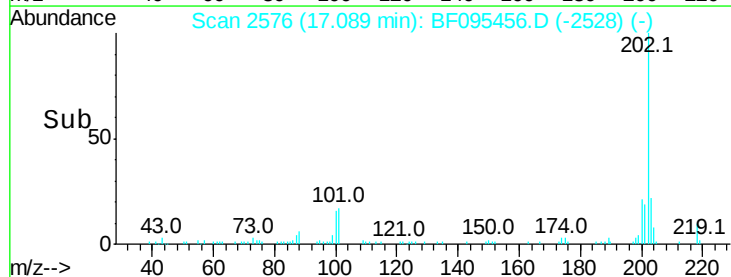
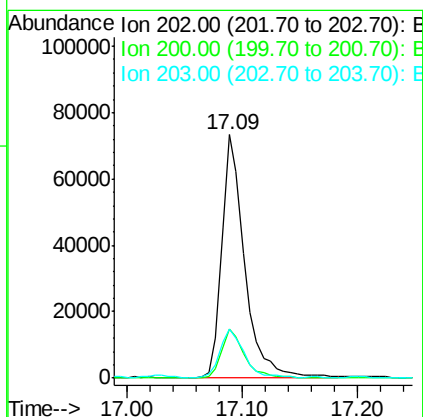
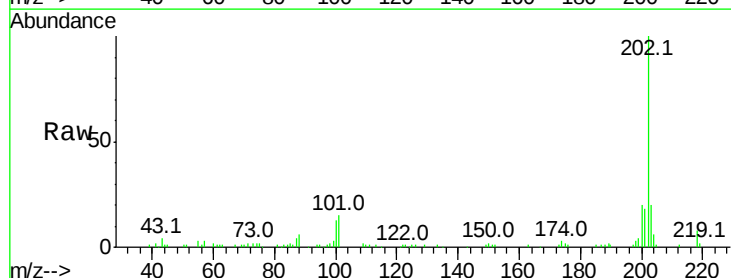
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.68 min Scan# 2846
 Delta R.T. -0.02 min
 Lab File: BF095456.D
 Acq: 26 May 2017 12:37

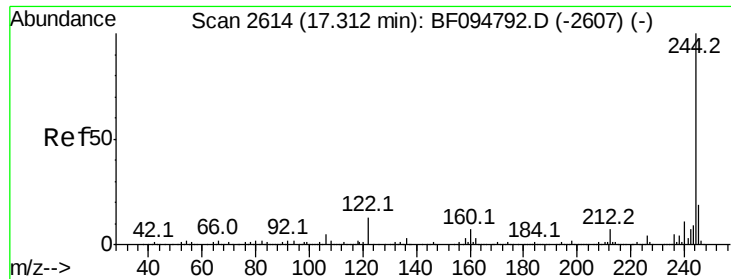
Tot Ion:240 Resp: 290078
 Ion Ratio Lower Upper
 240 100
 120 13.8 5.8 8.8#
 236 24.5 20.5 30.7



#77
 Pyrene
 Concen: 4.66 ng
 RT: 17.09 min Scan# 2576
 Delta R.T. -0.02 min
 Lab File: BF095456.D
 Acq: 26 May 2017 12:37

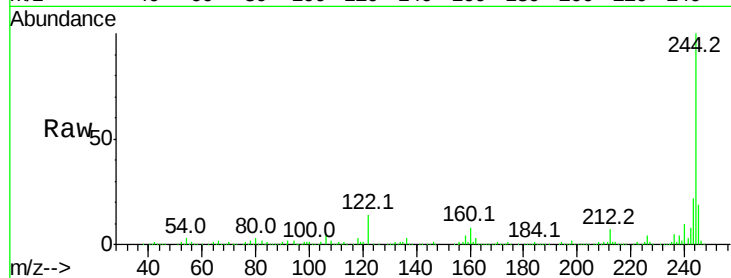
Tgt Ion:202 Resp: 101171
 Ion Ratio Lower Upper
 202 100
 200 20.3 17.6 26.4
 203 20.3 14.4 21.6



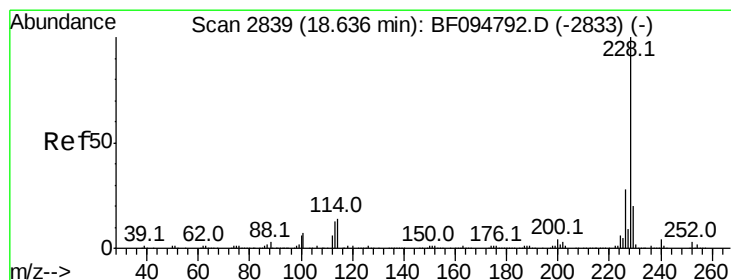
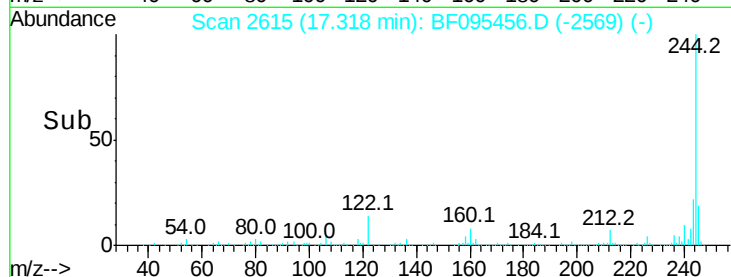
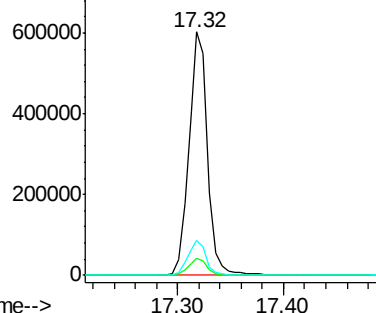


#78
 Terphenyl-d14
 Concen: 56.64 ng
 RT: 17.32 min Scan# 2615
 Delta R.T. -0.03 min
 Lab File: BF095456.D
 Acq: 26 May 2017 12:37

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	14.2	10.3	15.5

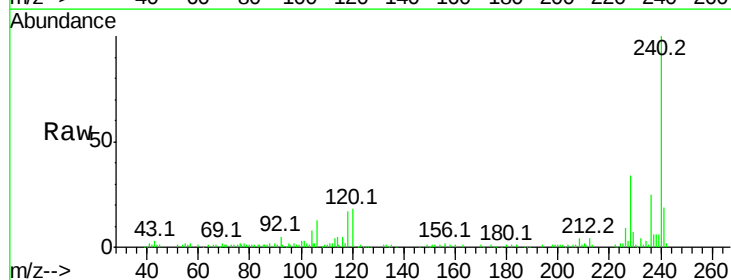


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

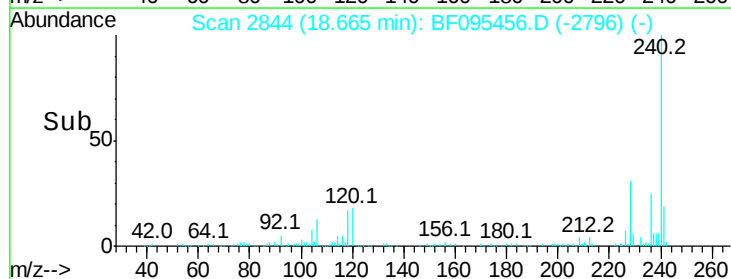
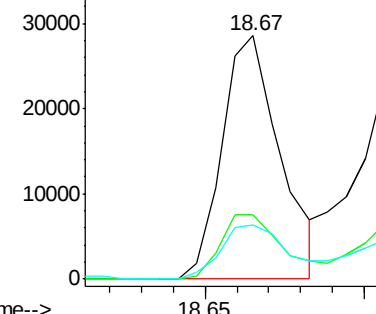


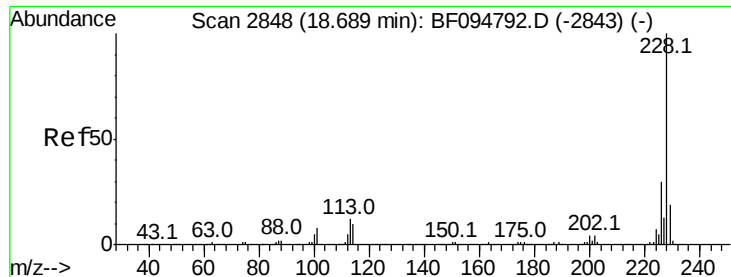
#80
 Benzo(a)anthracene
 Concen: 2.15 ng
 RT: 18.67 min Scan# 2844
 Delta R.T. -0.02 min
 Lab File: BF095456.D
 Acq: 26 May 2017 12:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.6	33.8
229	22.1	16.3	24.5



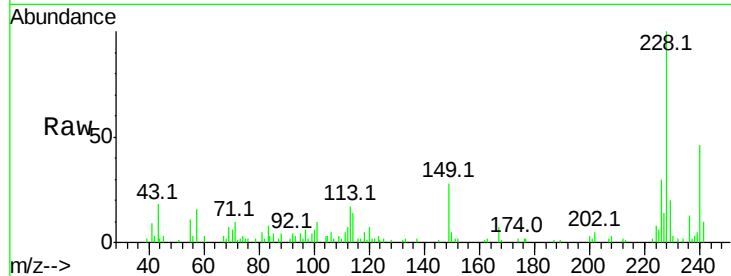
Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E



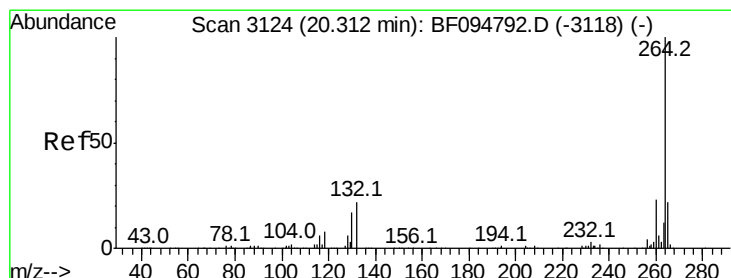
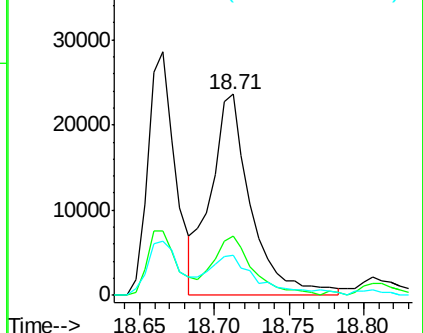
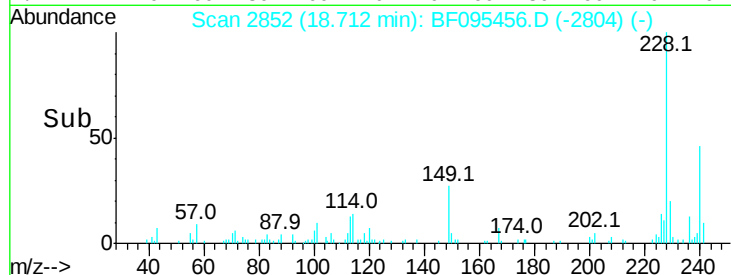


#82
Chrysene
Concen: 2.74 ng
RT: 18.71 min Scan# 2852
Delta R.T. -0.02 min
Lab File: BF095456.D
Acq: 26 May 2017 12:37

Tot Ion:228 Resp: 44740
Ion Ratio Lower Upper
228 100
226 29.7 24.9 37.3
229 19.7 15.8 23.6

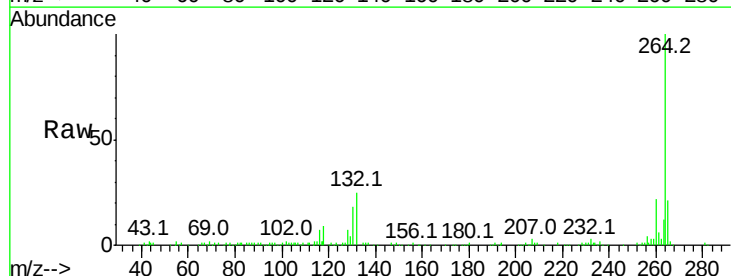


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

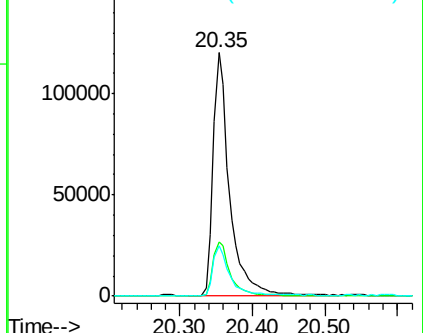
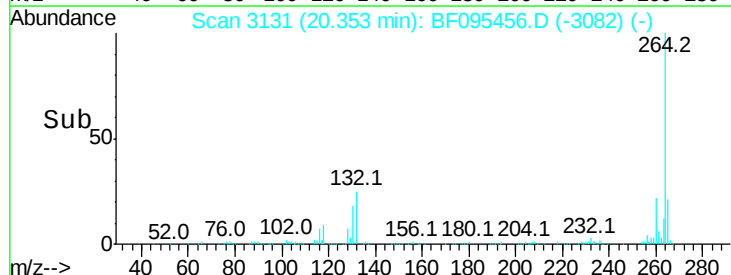


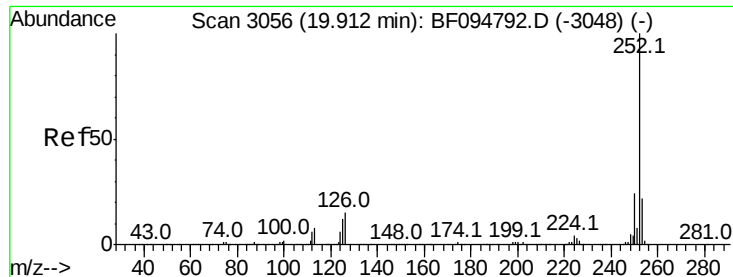
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BF095456.D
Acq: 26 May 2017 12:37

Tgt Ion:264 Resp: 192845
Ion Ratio Lower Upper
264 100
260 22.4 19.5 29.3
265 20.6 17.2 25.8



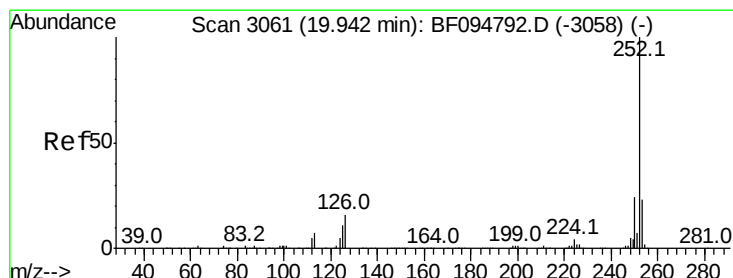
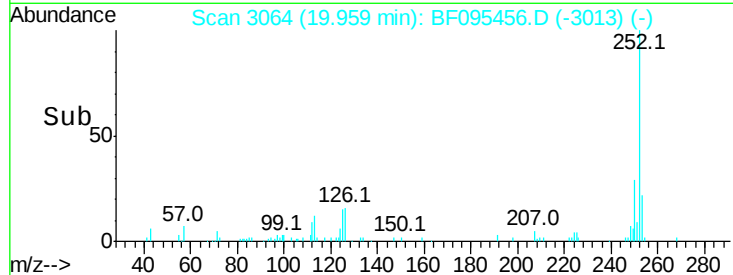
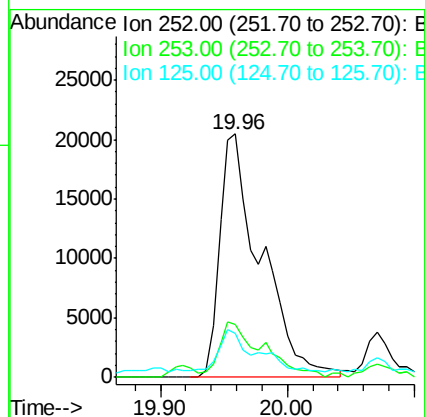
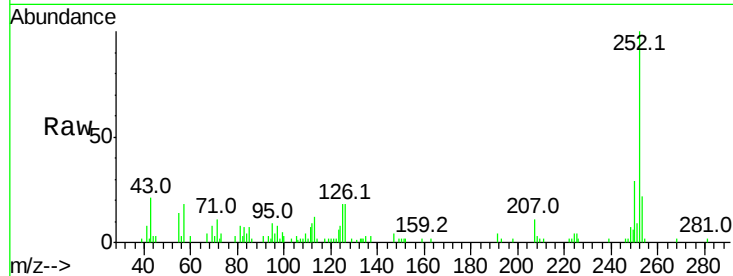
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





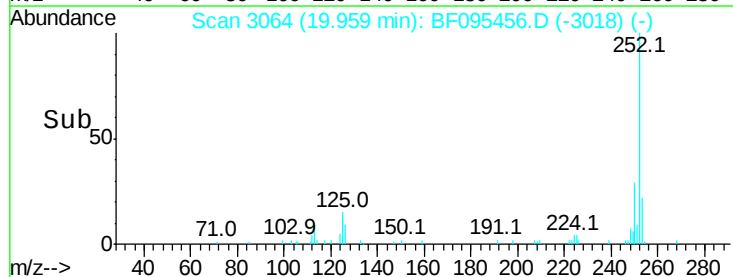
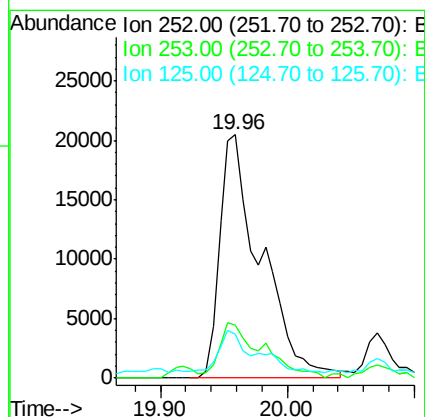
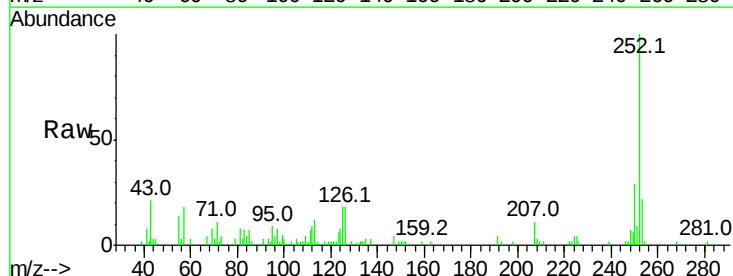
#87
Benzo(b)fluoranthene
Concen: 3.88 ng
RT: 19.96 min Scan# 3064
Delta R.T. 0.00 min
Lab File: BF095456.D
Acq: 26 May 2017 12:37

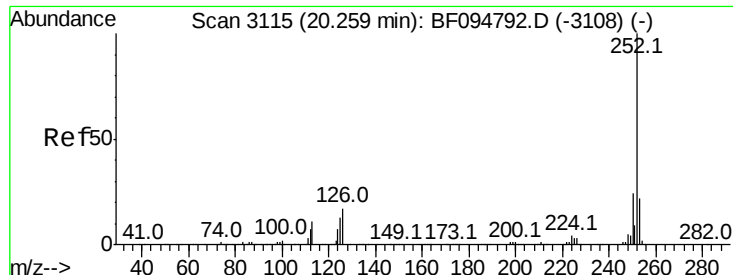
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	18.0	9.8	14.8



#88
Benzo(k)fluoranthene
Concen: 4.02 ng
RT: 19.96 min Scan# 3064
Delta R.T. -0.03 min
Lab File: BF095456.D
Acq: 26 May 2017 12:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.4	27.6
125	18.0	13.1	19.7





#89

Benzo(a)pyrene

Concen: 2.14 ng

RT: 20.31 min Scan# 3123

Delta R.T. -0.01 min

Lab File: BF095456.D

Acq: 26 May 2017 12:37

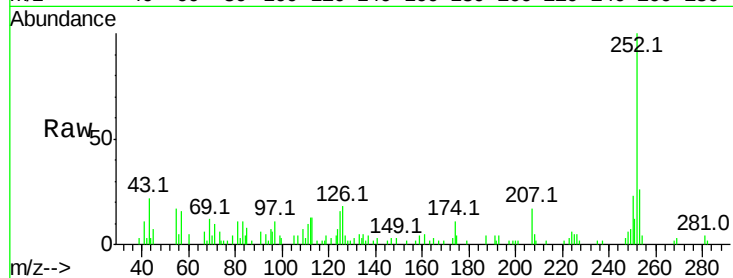
Tot Ion:252 Resp: 23583

Ion Ratio Lower Upper

252 100

253 25.6 17.5 26.3

125 16.0 11.0 16.4



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

