

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
 Data File : BF095471.D
 Acq On : 26 May 2017 20:43
 Operator : SJ/MA
 Sample : I3244-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

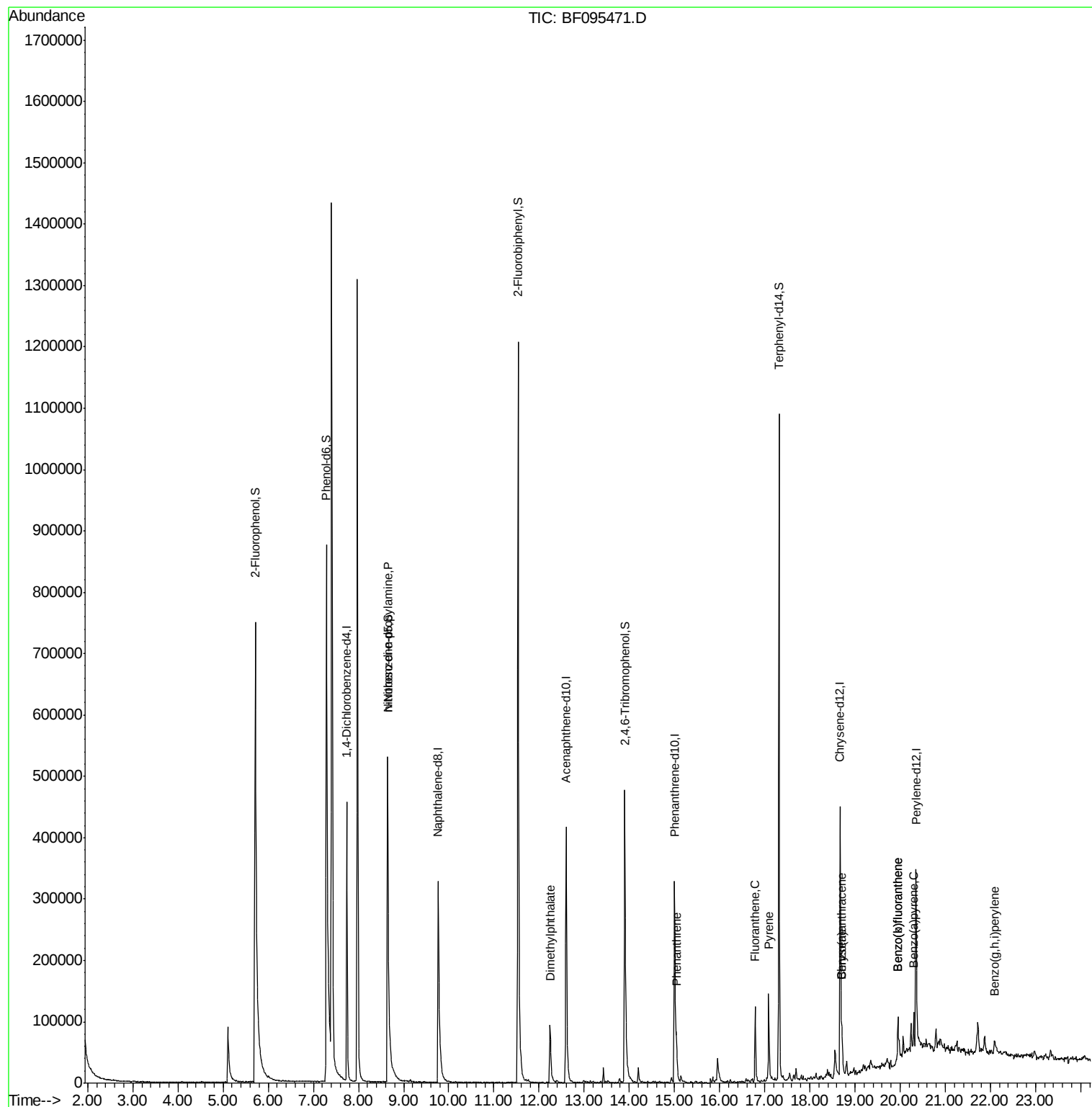
Quant Time: May 27 03:11:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

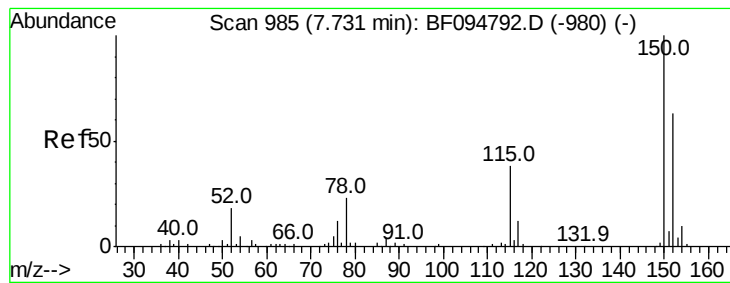
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	101296	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	390238	20.00	ng	0.00
38) Acenaphthene-d10	12.60	164	164059	20.00	ng	0.00
63) Phenanthrene-d10	15.00	188	242507	20.00	ng	0.00
75) Chrysene-d12	18.67	240	203457	20.00	ng	0.00
86) Perylene-d12	20.35	264	152307	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	663019	109.13	ng	0.00
7) Phenol-d6	7.29	99	815340	111.84	ng	0.00
23) Nitrobenzene-d5	8.64	82	449911	72.70	ng	-0.01
41) 2,4,6-Tribromophenol	13.90	330	115336	85.84	ng	0.00
44) 2-Fluorobiphenyl	11.54	172	768551	67.43	ng	0.00
78) Terphenyl-d14	17.32	244	451255	48.85	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.65	70	51384	10.42	ng	# 72
49) Dimethylphthalate	12.24	163	98412	7.31	ng	98
70) Phenanthrene	15.04	178	44017	3.16	ng	95
74) Fluoranthene	16.79	202	79181	5.54	ng	95
77) Pyrene	17.09	202	77198	5.07	ng	95
80) Benzo(a)anthracene	18.71	228	38694	3.27	ng	98
82) Chrysene	18.71	228	38694	3.38	ng	96
87) Benzo(b)fluoranthene	19.95	252	52231	5.55	ng	# 90
88) Benzo(k)fluoranthene	19.95	252	52231	5.75	ng	95
89) Benzo(a)pyrene	20.30	252	26688	3.07	ng	# 83
91) Benzo(g,h,i)perylene	22.09	276	15622	2.22	ng	# 92

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

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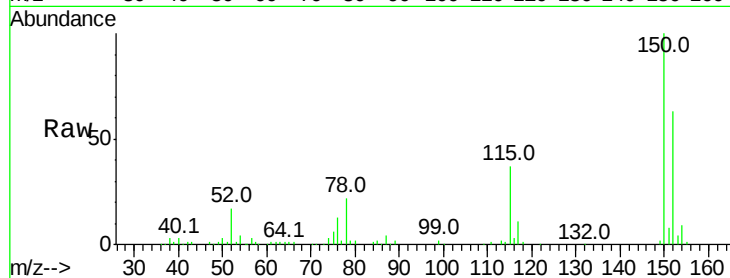




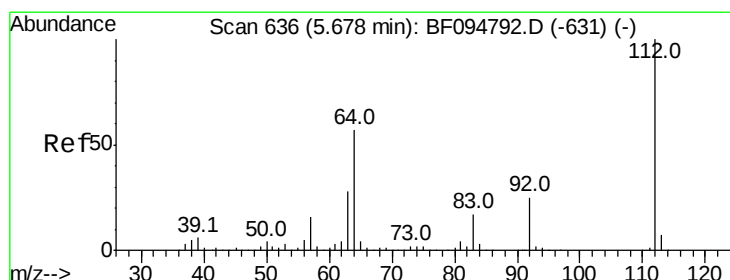
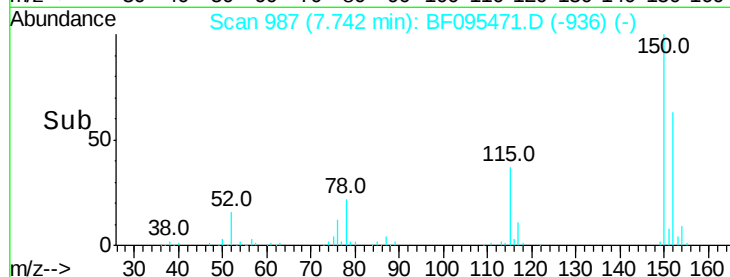
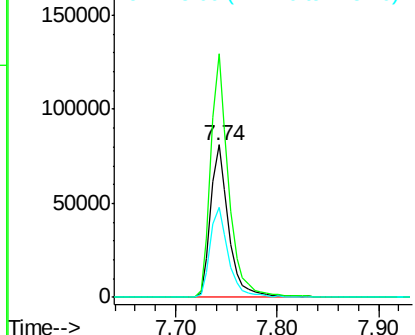
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF095471.D
Acq: 26 May 2017 20:43

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	126.2	189.2
115	59.1	52.2	78.2



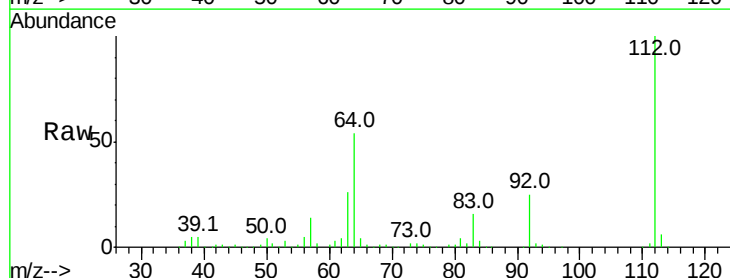
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



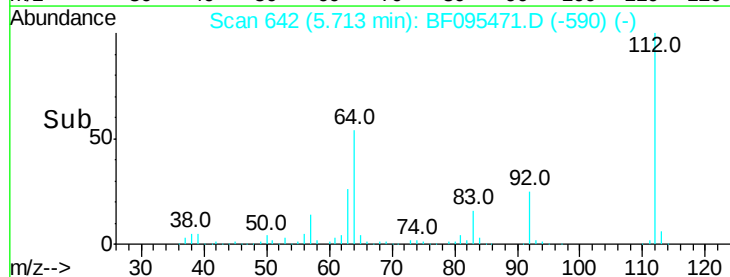
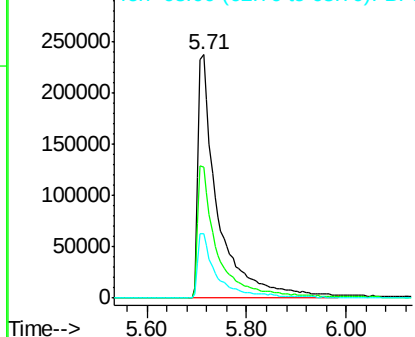
#5

2-Fluorophenol
Concen: 109.13 ng
RT: 5.71 min Scan# 642
Delta R.T. 0.01 min
Lab File: BF095471.D
Acq: 26 May 2017 20:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	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: 111.84 ng

RT: 7.29 min Scan# 910

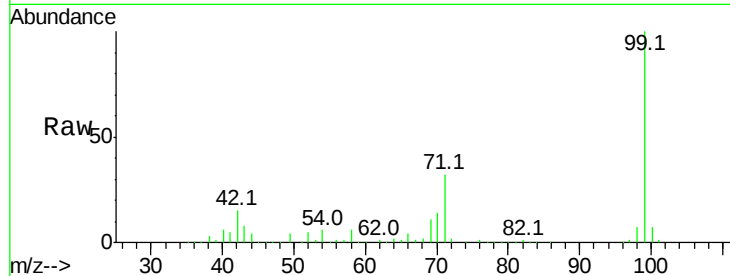
Delta R.T. -0.01 min

Lab File: BF095471.D

Acq: 26 May 2017 20:43

Tot Ion: 99 Resp: 815340

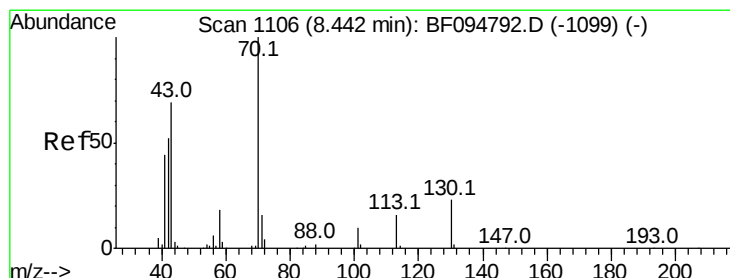
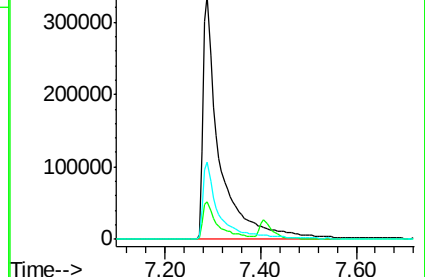
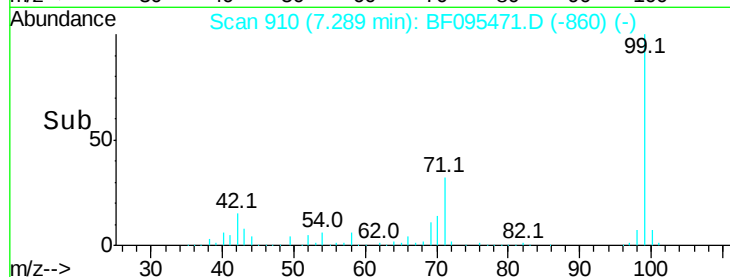
Ion	Ratio	Lower	Upper
99	100		
42	15.3	13.5	20.3
71	31.9	24.5	36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.42 ng

RT: 8.65 min Scan# 1141

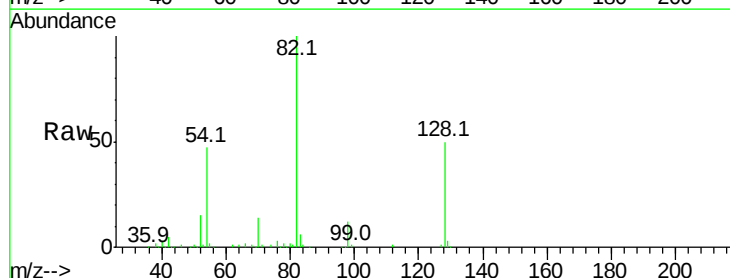
Delta R.T. 0.19 min

Lab File: BF095471.D

Acq: 26 May 2017 20:43

Tgt Ion: 70 Resp: 51384

Ion	Ratio	Lower	Upper
70	100		
42	40.3	47.2	70.8#
101	0.0	7.2	10.8#
130	2.6	15.9	23.9#

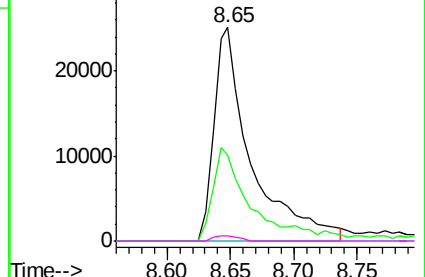
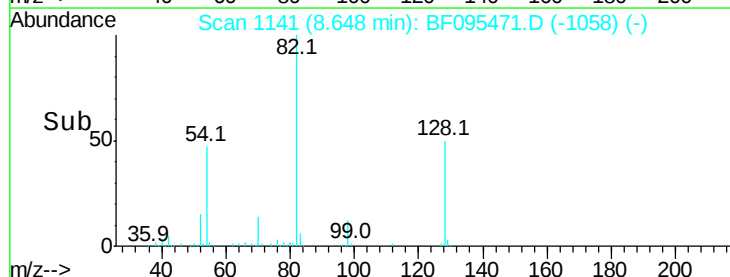


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.77 min Scan# 1331

Delta R.T. 0.01 min

Lab File: BF095471.D

Acq: 26 May 2017 20:43

Tot Ion:136 Resp: 390238

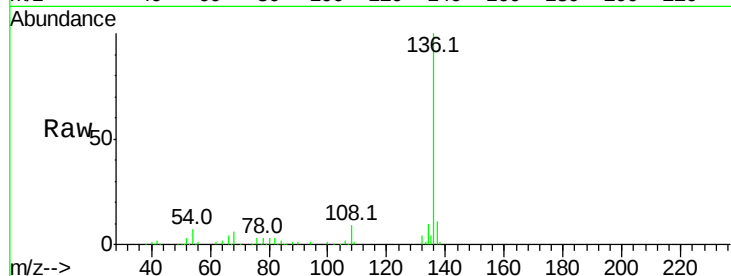
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 7.1 4.9 7.3

68 6.0 4.1 6.1

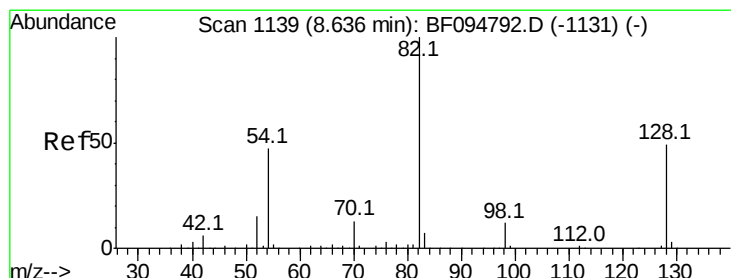
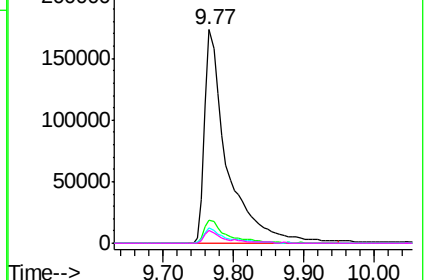
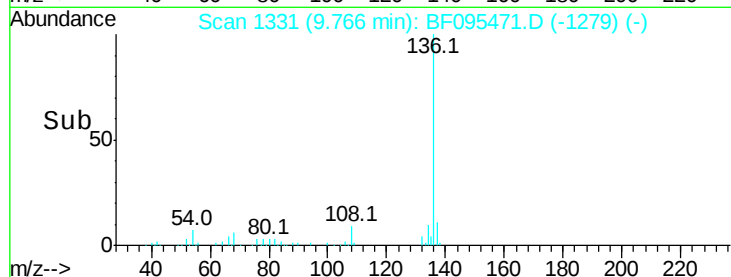


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.70 ng

RT: 8.64 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BF095471.D

Acq: 26 May 2017 20:43

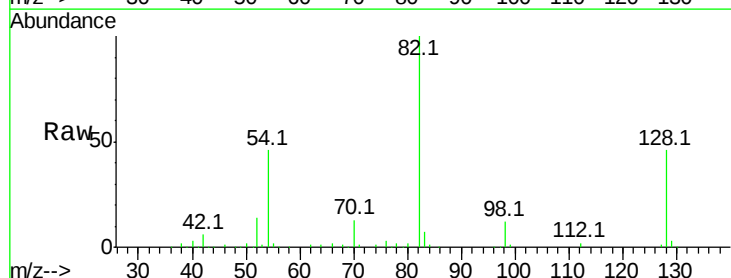
Tgt Ion: 82 Resp: 449911

Ion Ratio Lower Upper

82 100

128 46.5 34.0 51.0

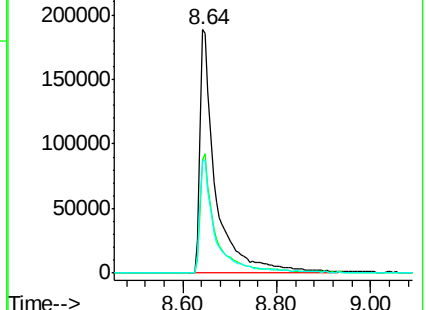
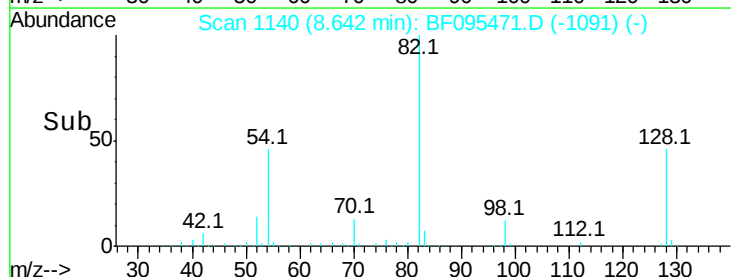
54 45.9 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.60 min Scan# 1813

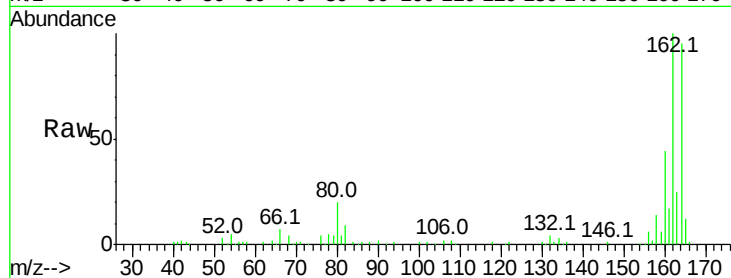
Delta R.T. 0.01 min

Lab File: BF095471.D

Acq: 26 May 2017 20:43

Tot Ion:164 Resp: 164059

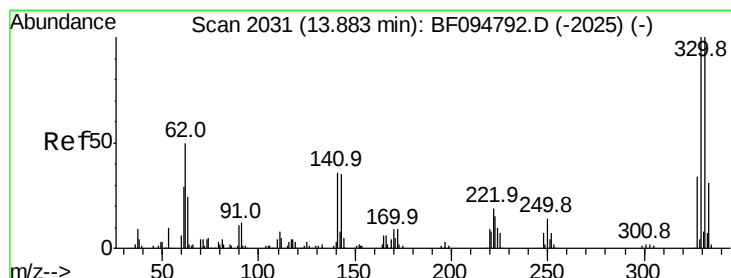
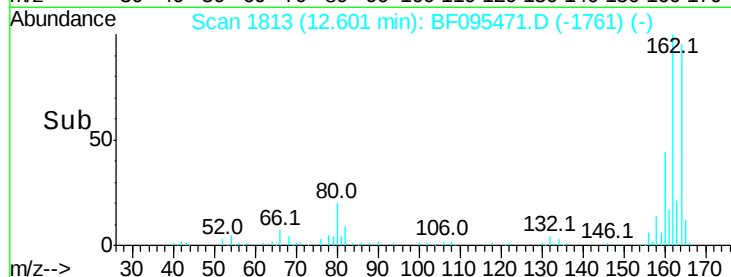
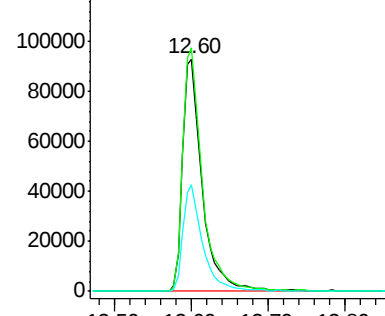
Ion	Ratio	Lower	Upper
164	100		
162	104.8	82.6	123.8
160	45.7	36.2	54.2



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: 85.84 ng

RT: 13.90 min Scan# 2034

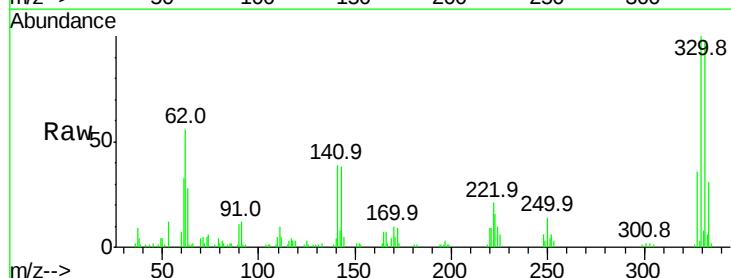
Delta R.T. 0.00 min

Lab File: BF095471.D

Acq: 26 May 2017 20:43

Tgt Ion:330 Resp: 115336

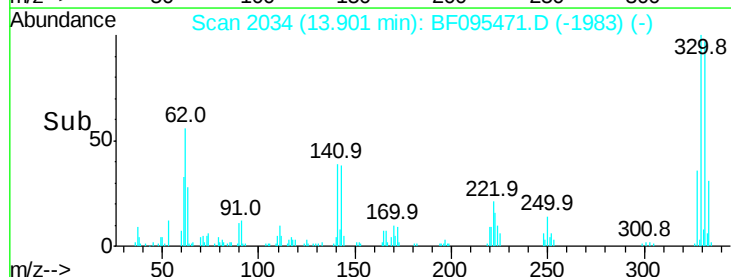
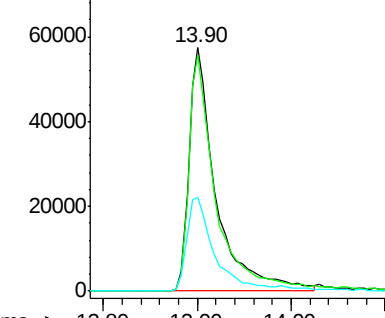
Ion	Ratio	Lower	Upper
330	100		
332	98.9	76.6	115.0
141	40.9	31.4	47.2

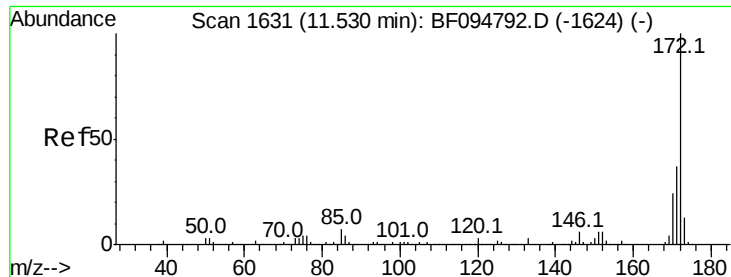


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

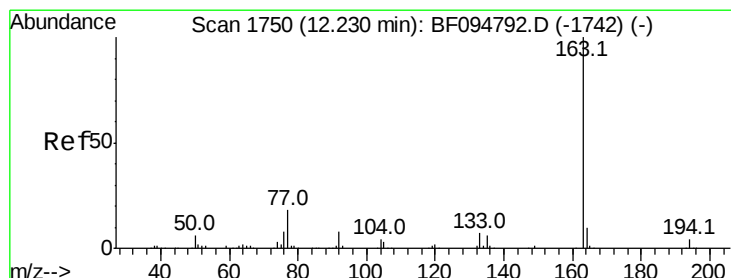
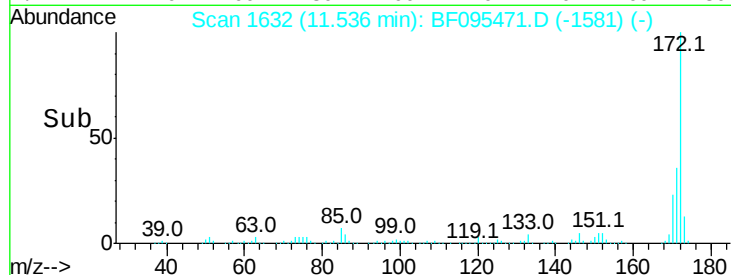
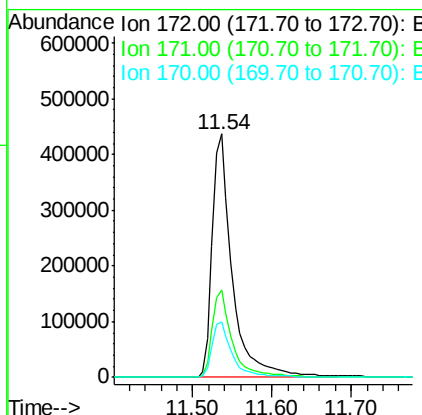
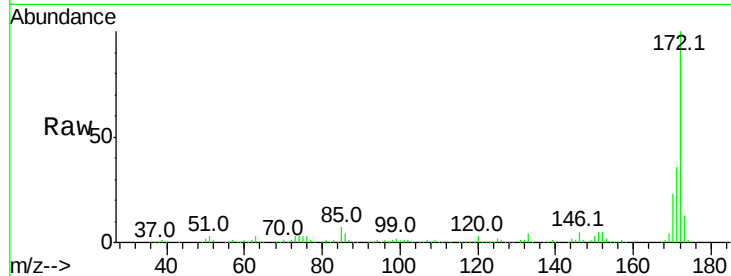
Ion 141.00 (140.70 to 141.70): E





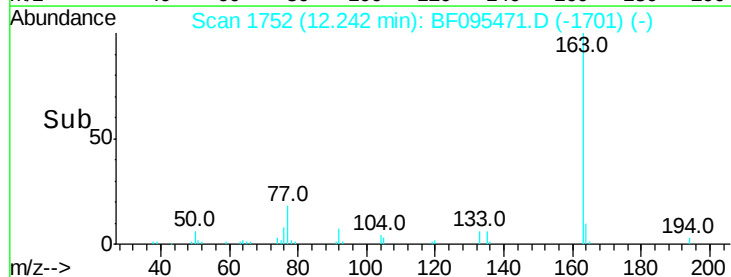
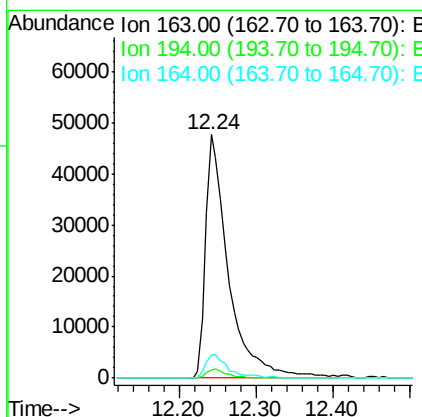
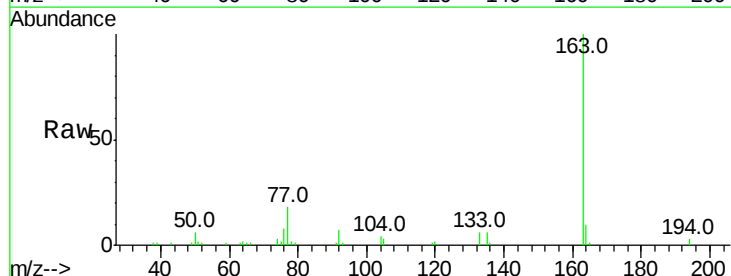
#44
2-Fluorobiphenyl
Concen: 67.43 ng
RT: 11.54 min Scan# 1632
Delta R.T. 0.00 min
Lab File: BF095471.D
Acq: 26 May 2017 20:43

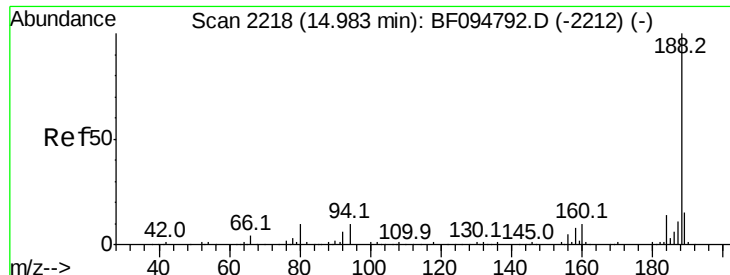
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	22.7	19.8	29.8



#49
Dimethylphthalate
Concen: 7.31 ng
RT: 12.24 min Scan# 1752
Delta R.T. 0.00 min
Lab File: BF095471.D
Acq: 26 May 2017 20:43

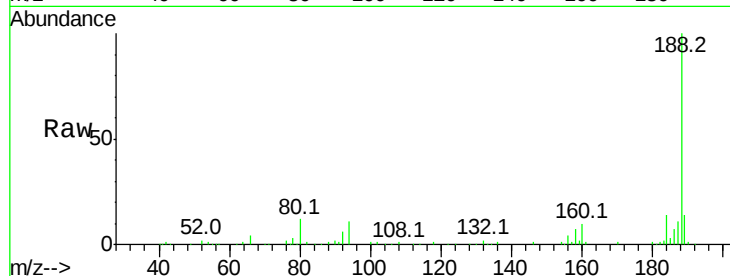
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	9.7	8.4	12.6



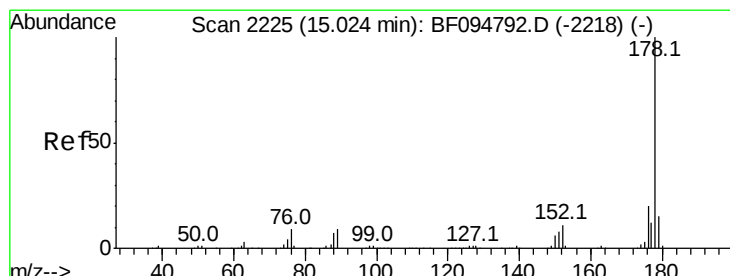
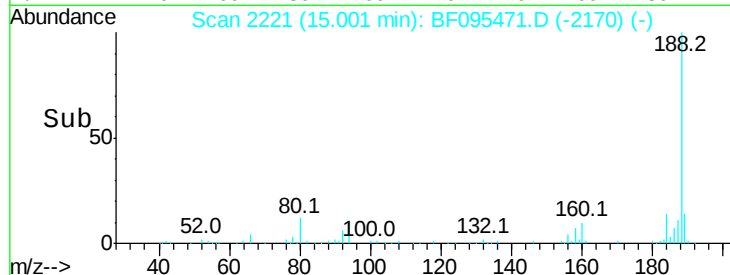
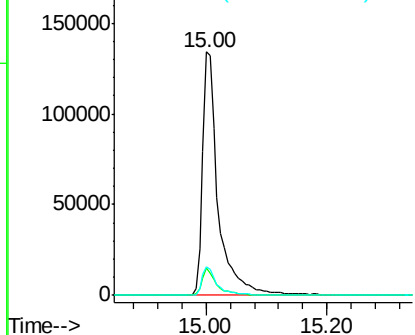


#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.00 min Scan# 2221
 Delta R.T. 0.00 min
 Lab File: BF095471.D
 Acq: 26 May 2017 20:43

Tot Ion:188 Resp: 242507
 Ion Ratio Lower Upper
 188 100
 94 11.0 9.4 14.2
 80 11.7 10.2 15.2

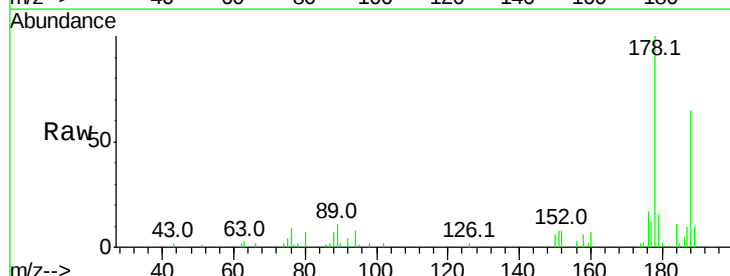


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

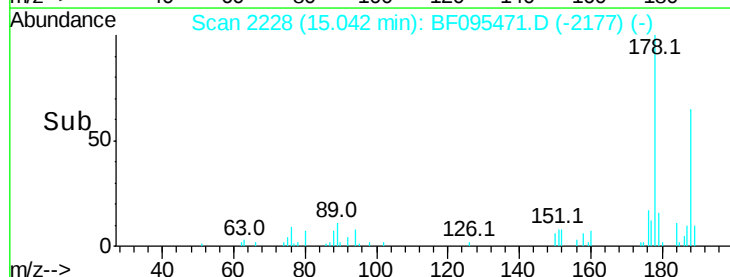
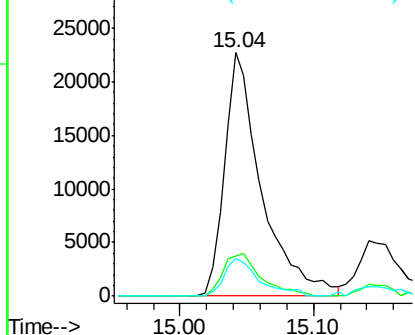


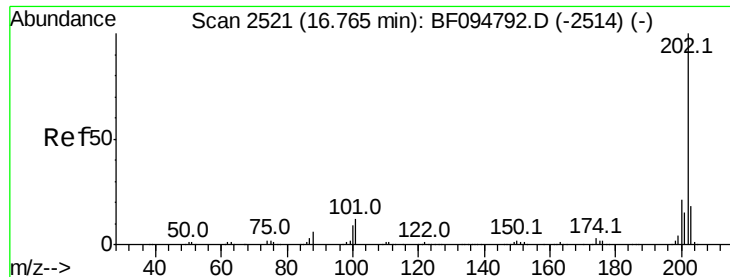
#70
 Phenanthrene
 Concen: 3.16 ng
 RT: 15.04 min Scan# 2228
 Delta R.T. 0.00 min
 Lab File: BF095471.D
 Acq: 26 May 2017 20:43

Tgt Ion:178 Resp: 44017
 Ion Ratio Lower Upper
 178 100
 176 16.7 16.2 24.4
 179 15.7 12.6 19.0



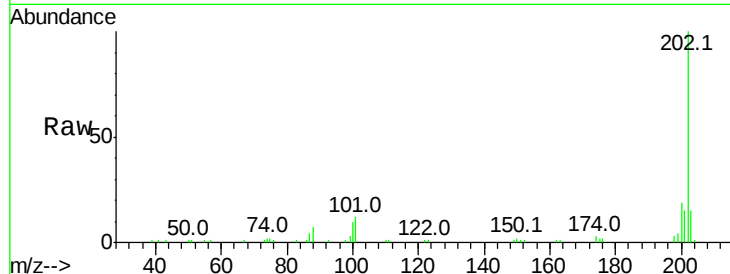
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



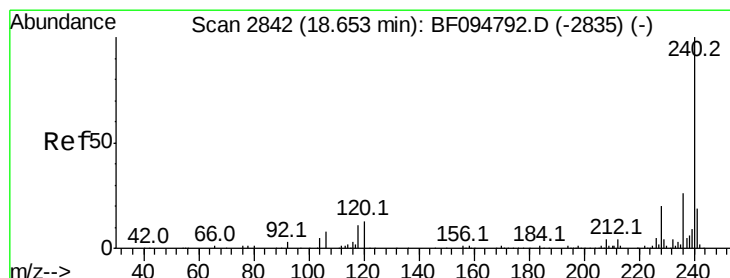
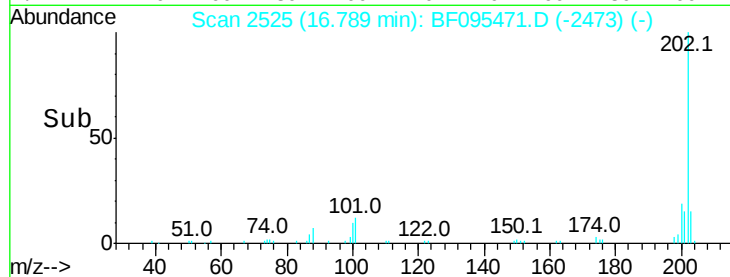
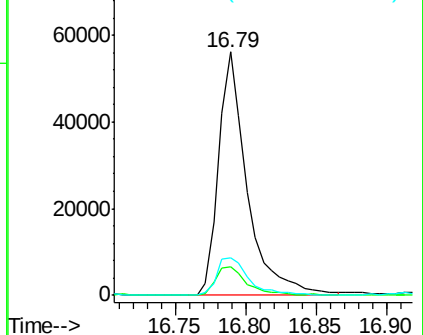


#74
 Fluoranthene
 Concen: 5.54 ng
 RT: 16.79 min Scan# 2525
 Delta R.T. 0.01 min
 Lab File: BF095471.D
 Acq: 26 May 2017 20:43

Tot Ion:	202	Resp:	79181
Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	33.2
203	15.4	0.0	38.1

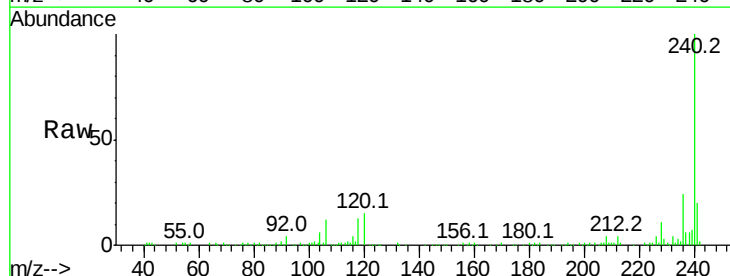


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

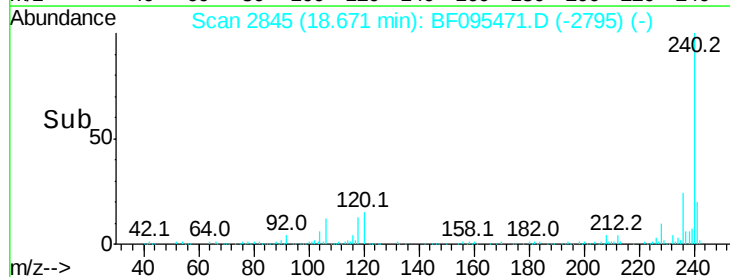
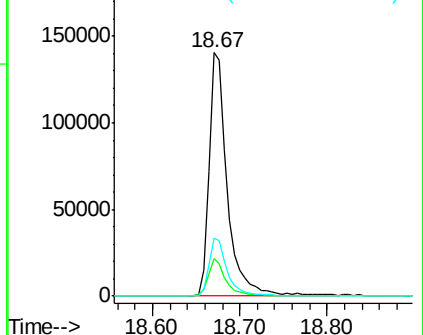


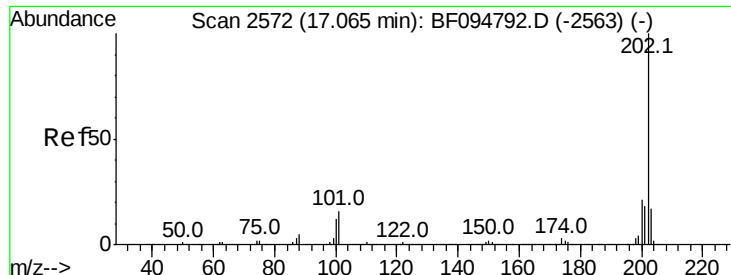
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.67 min Scan# 2845
 Delta R.T. -0.01 min
 Lab File: BF095471.D
 Acq: 26 May 2017 20:43

Tgt Ion:	240	Resp:	203457
Ion	Ratio	Lower	Upper
240	100		
120	15.5	5.8	8.8#
236	24.1	20.5	30.7



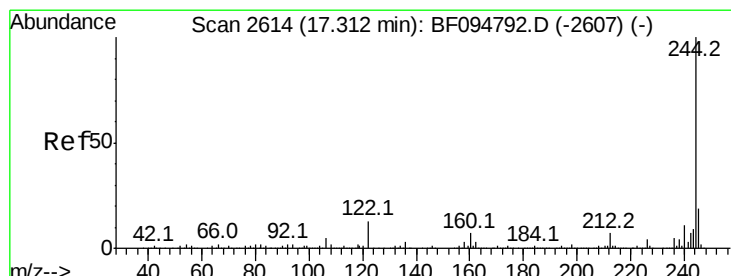
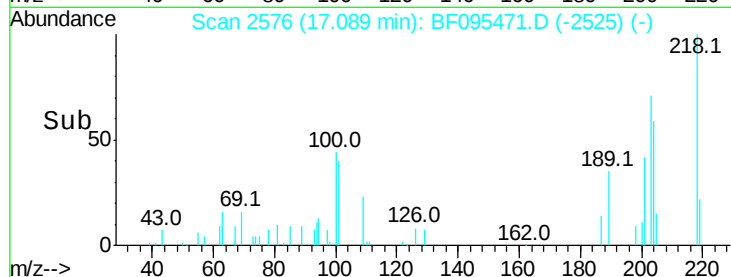
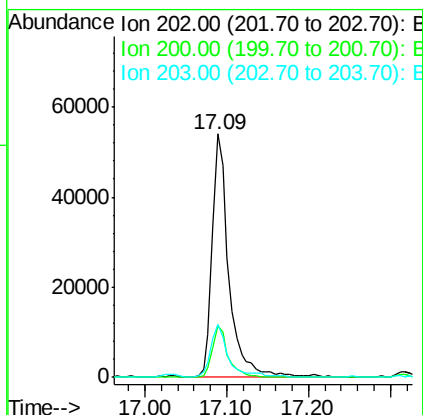
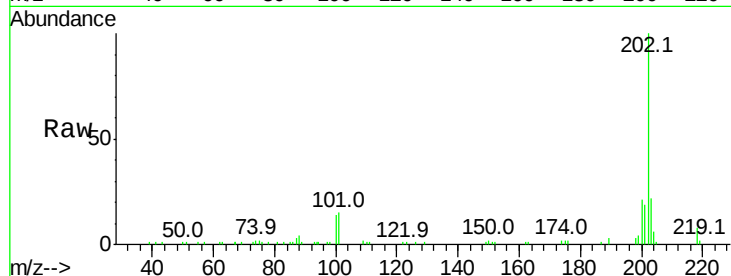
Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





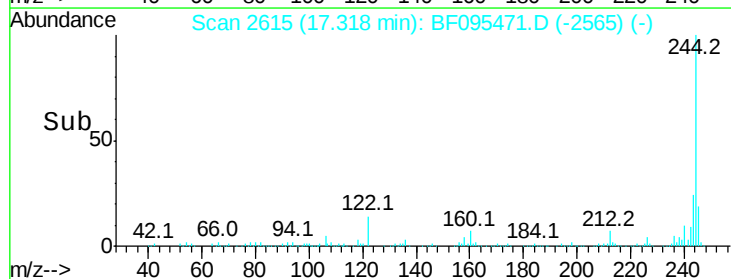
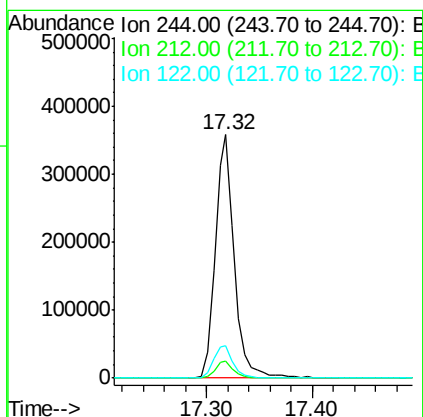
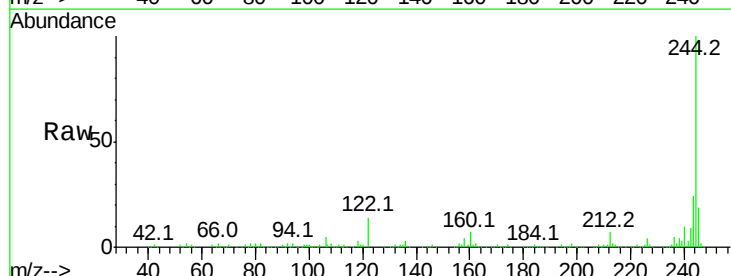
#77
Pvrene
Concen: 5.07 ng
RT: 17.09 min Scan# 2576
Delta R.T. 0.00 min
Lab File: BF095471.D
Acq: 26 May 2017 20:43

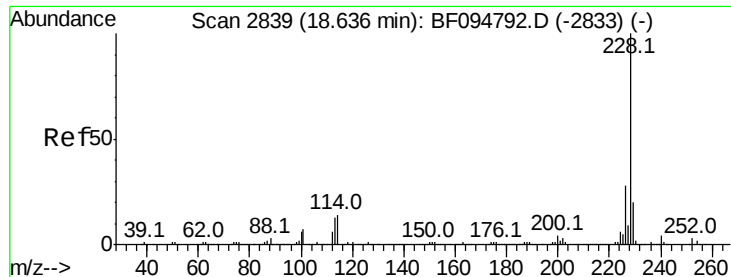
Tot Ion:202 Resp: 77198
Ion Ratio Lower Upper
202 100
200 21.0 17.6 26.4
203 21.6 14.4 21.6



#78
Terphenyl-d14
Concen: 48.85 ng
RT: 17.32 min Scan# 2615
Delta R.T. -0.01 min
Lab File: BF095471.D
Acq: 26 May 2017 20:43

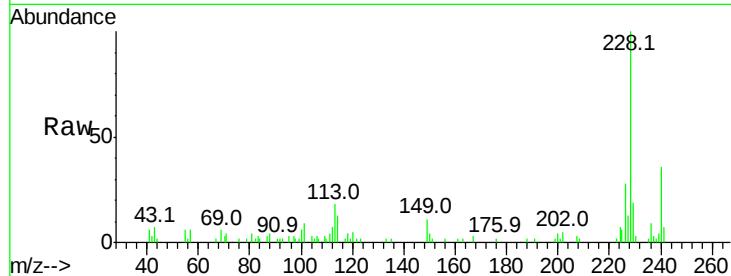
Tgt Ion:244 Resp: 451255
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 13.6 10.3 15.5



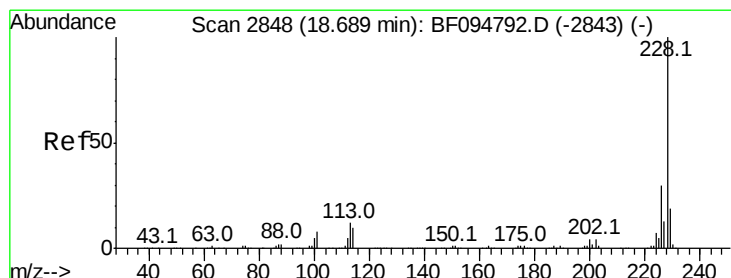
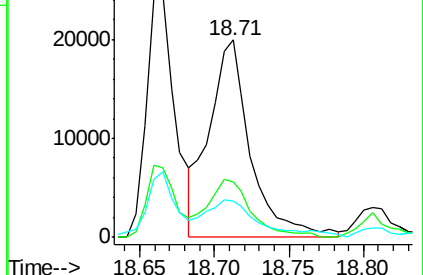
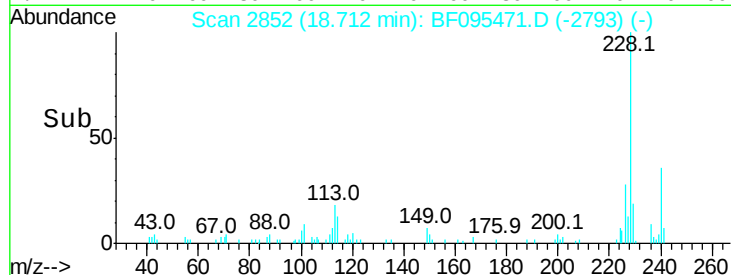


#80
Benzo(a)anthracene
Concen: 3.27 ng
RT: 18.71 min Scan# 2852
Delta R.T. 0.05 min
Lab File: BF095471.D
Acq: 26 May 2017 20:43

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	18.5	16.3	24.5

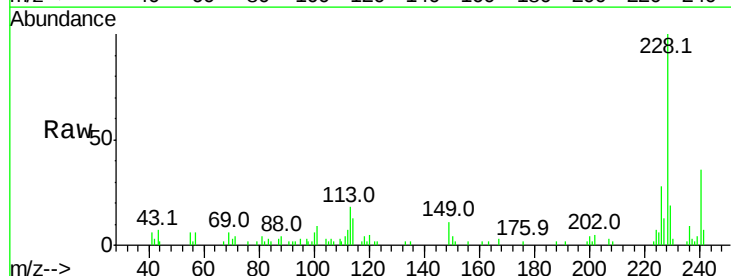


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

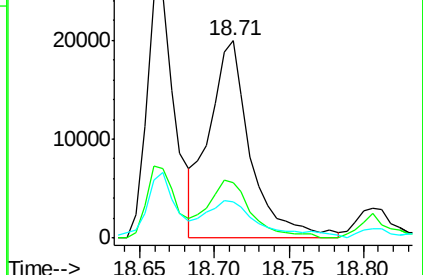
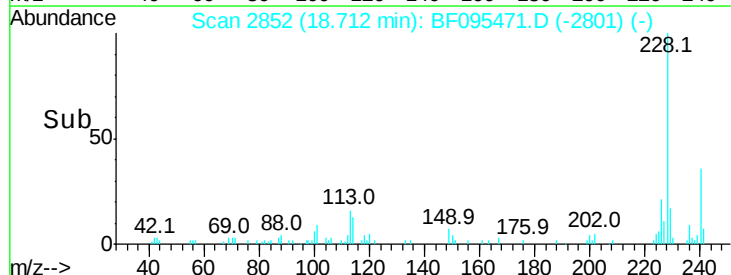


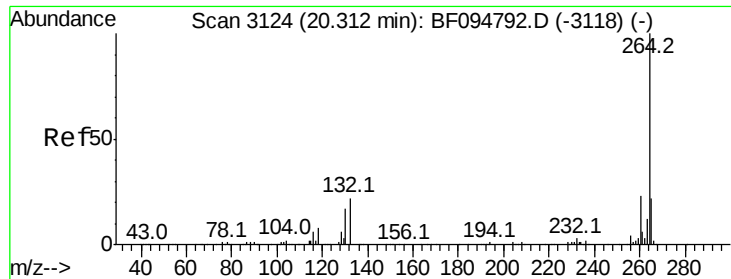
#82
Chrysene
Concen: 3.38 ng
RT: 18.71 min Scan# 2852
Delta R.T. 0.00 min
Lab File: BF095471.D
Acq: 26 May 2017 20:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	24.9	37.3
229	18.5	15.8	23.6



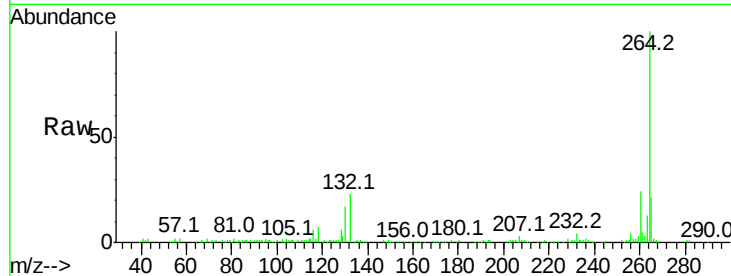
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



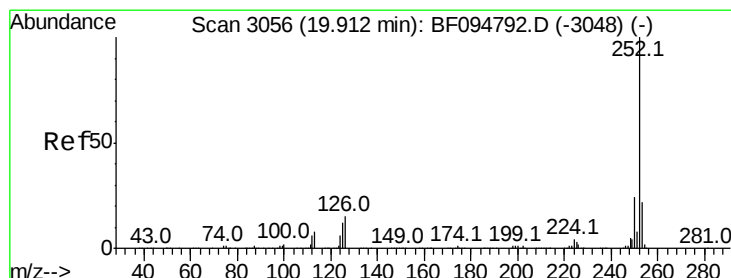
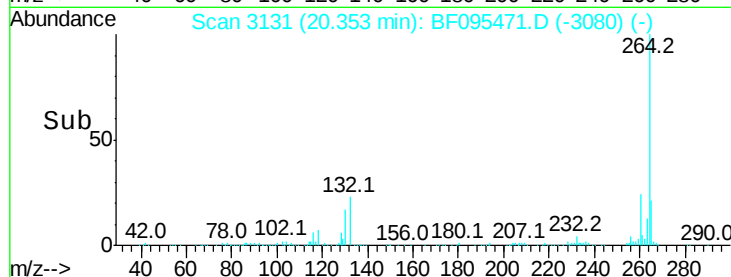
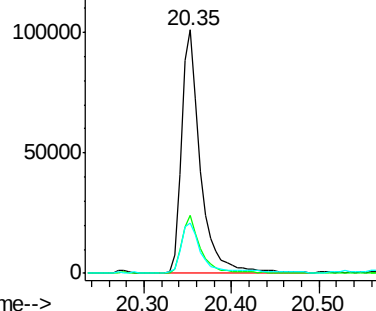


#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. 0.00 min
Lab File: BF095471.D
Acq: 26 May 2017 20:43

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	20.8	17.2	25.8

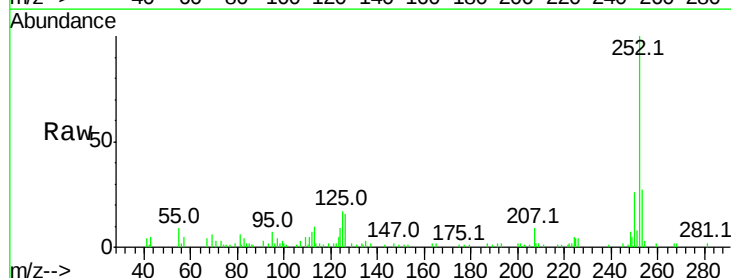


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

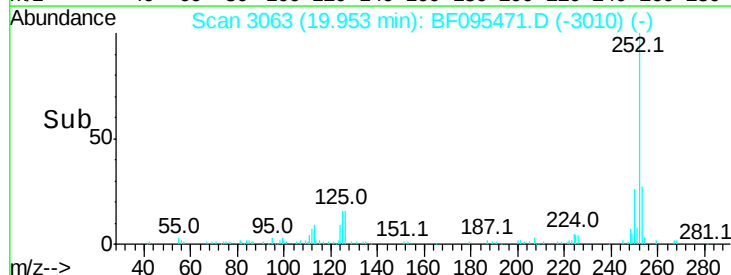
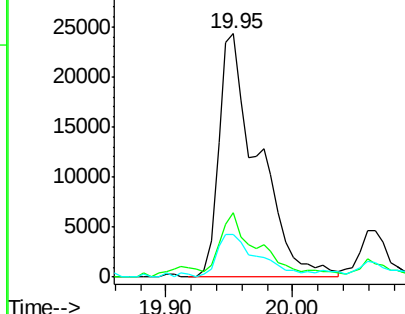


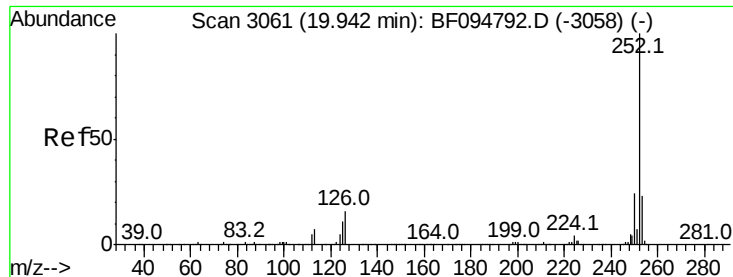
#87
Benzo(b)fluoranthene
Concen: 5.55 ng
RT: 19.95 min Scan# 3063
Delta R.T. 0.01 min
Lab File: BF095471.D
Acq: 26 May 2017 20:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	18.1	27.1
125	17.4	9.8	14.8#



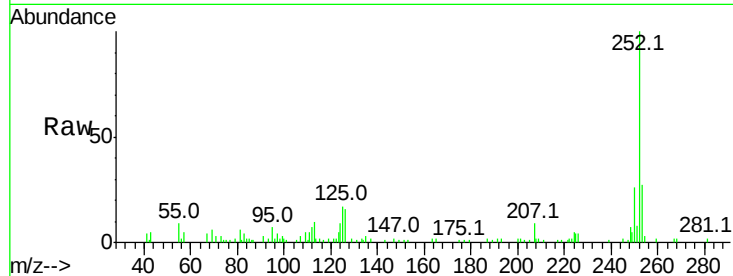
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



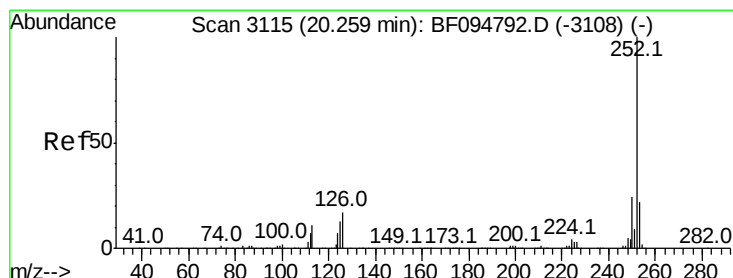
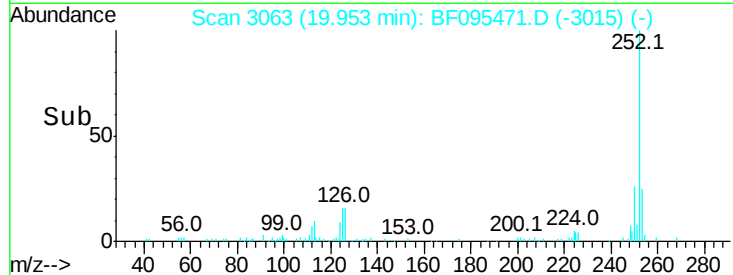
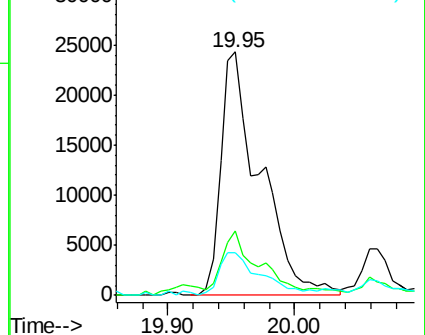


#88
Benzo(k)fluoranthene
Concen: 5.75 ng
RT: 19.95 min Scan# 3063
Delta R.T. -0.02 min
Lab File: BF095471.D
Acq: 26 May 2017 20:43

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.7	18.4	27.6
125	17.4	13.1	19.7

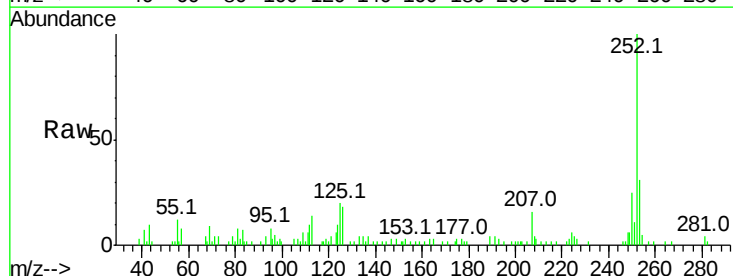


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

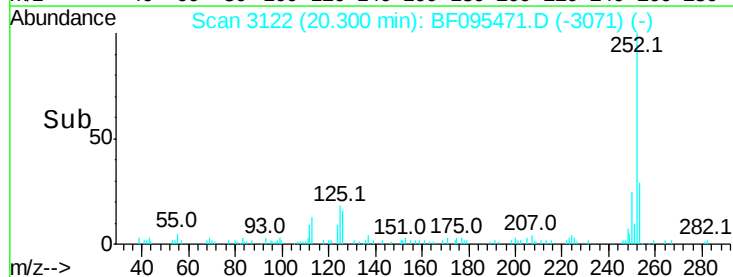
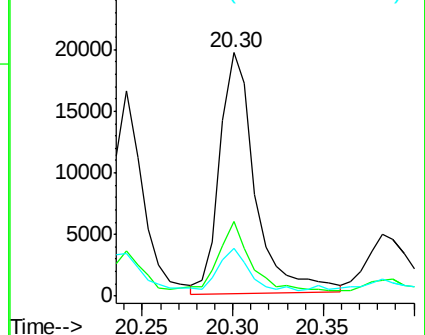


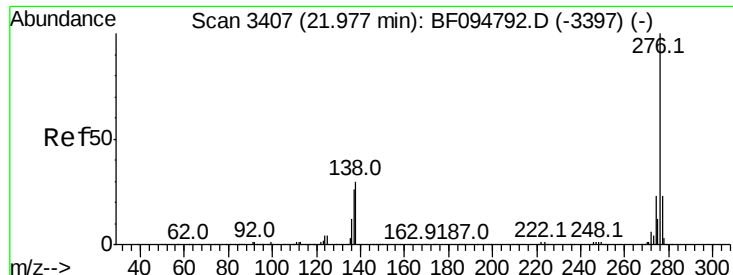
#89
Benzo(a)pyrene
Concen: 3.07 ng
RT: 20.30 min Scan# 3122
Delta R.T. 0.00 min
Lab File: BF095471.D
Acq: 26 May 2017 20:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.6	17.5	26.3#
125	19.6	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





#91

Benzo(a,h,i)perylene

Concen: 2.22 ng

RT: 22.09 min Scan# 3427

Delta R.T. 0.02 min

Lab File: BF095471.D

Acq: 26 May 2017 20:43

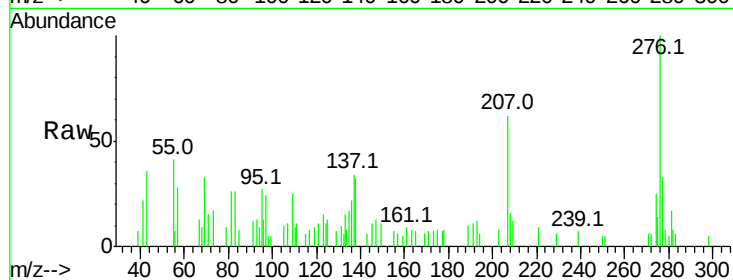
Tot Ion: 276 Resp: 15622

Ion Ratio Lower Upper

276 100

277 32.9 18.6 28.0#

138 31.6 25.4 38.0



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

