

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
 Data File : BF095444.D
 Acq On : 26 May 2017 2:17
 Operator : SJ/MA
 Sample : I3349-01 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 26 04:19:55 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

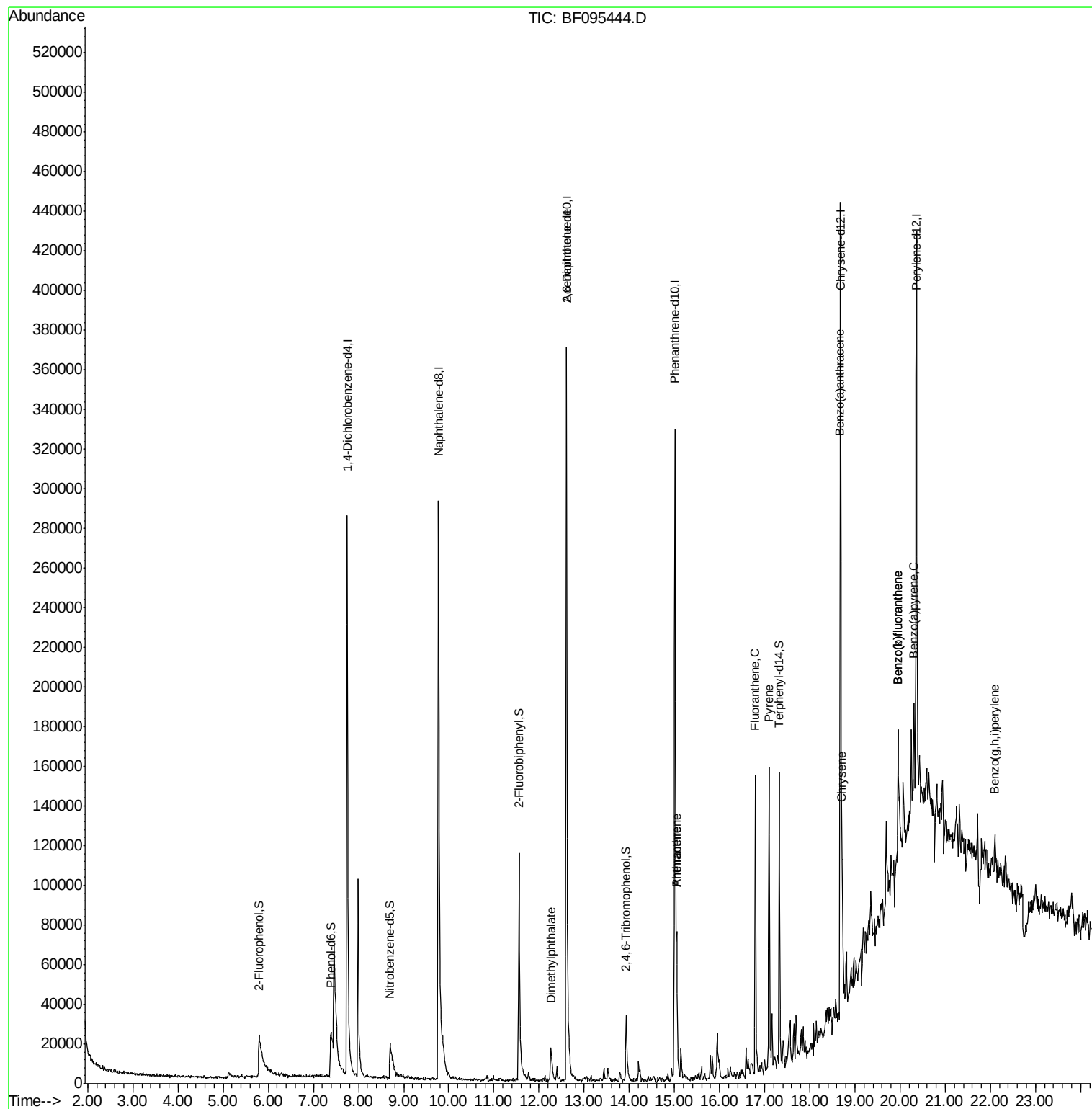
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	90291	20.00	ng	-0.02
21) Naphthalene-d8	9.77	136	361620	20.00	ng	-0.01
38) Acenaphthene-d10	12.61	164	150232	20.00	ng	-0.01
63) Phenanthrene-d10	15.01	188	227594	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	182833	20.00	ng	-0.02
86) Perylene-d12	20.36	264	134466	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.80	112	35329	6.52	ng	0.06
7) Phenol-d6	7.40	99	24746	3.81	ng	0.08
23) Nitrobenzene-d5	8.70	82	31667	5.52	ng	0.03
41) 2,4,6-Tribromophenol	13.93	330	10880	8.84	ng	0.01
44) 2-Fluorobiphenyl	11.55	172	90916	8.71	ng	0.00
78) Terphenyl-d14	17.32	244	59692	7.19	ng	-0.02
Target Compounds						
49) Dimethylphthalate	12.26	163	25169	2.04	ng	# 97
50) 2,6-Dinitrotoluene	12.60	165	16117	6.41	ng	# 31
70) Phenanthrene	15.05	178	36510	2.79	ng	94
71) Anthracene	15.05	178	36510	2.73	ng	95
74) Fluoranthene	16.79	202	90544	6.75	ng	97
77) Pyrene	17.09	202	87315	6.39	ng	98
80) Benzo(a)anthracene	18.67	228	33724	3.17	ng	94
82) Chrysene	18.71	228	37312	3.63	ng	93
87) Benzo(b)fluoranthene	19.96	252	47793	5.75	ng	# 93
88) Benzo(k)fluoranthene	19.96	252	47793	5.96	ng	97
89) Benzo(a)pyrene	20.31	252	25905	3.38	ng	# 94
91) Benzo(a,h,i)perylene	22.11	276	14824	2.39	ng	# 87

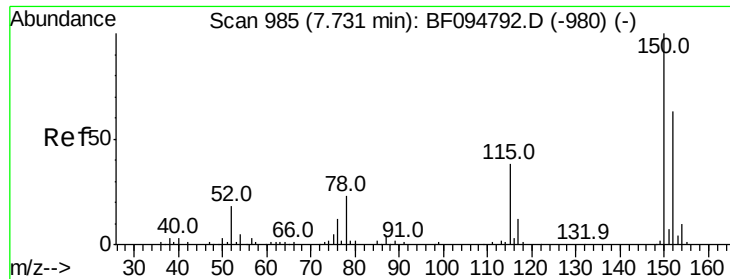
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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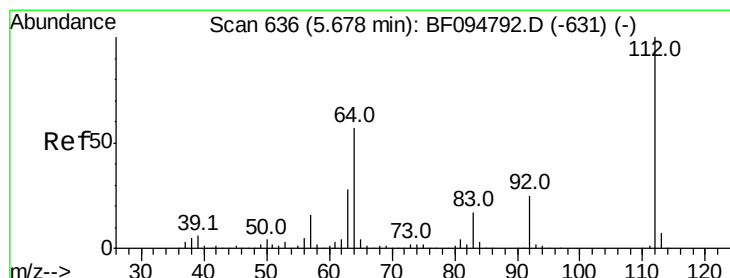
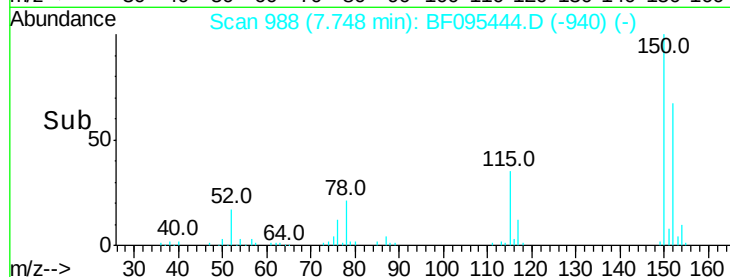
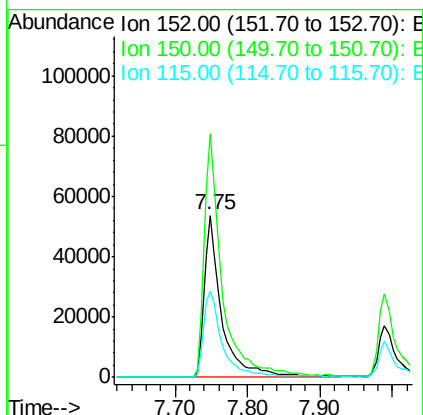
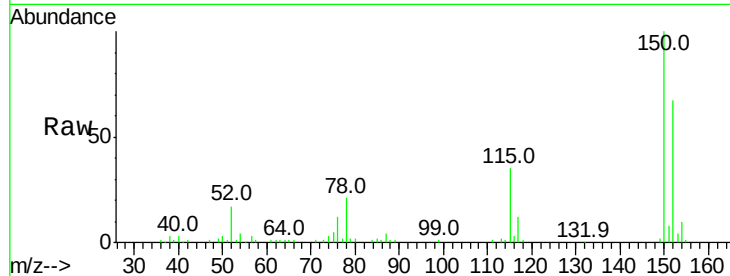


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.75 min Scan# 988
Delta R.T. -0.02 min
Lab File: BF095444.D
Acq: 26 May 2017 2:17

Instrument :
BNA_F
ClientSampleId :

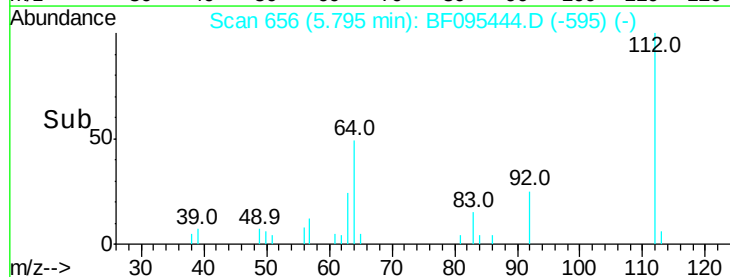
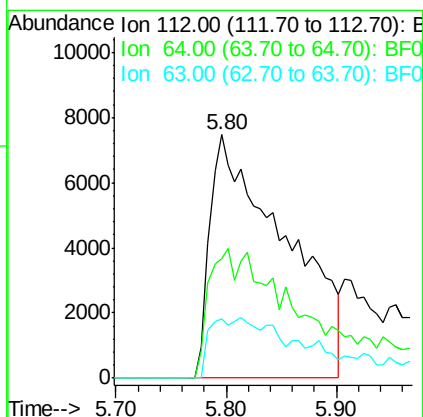
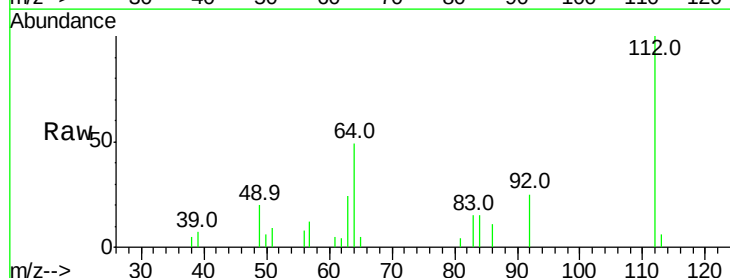
Tot Ion:152 Resp: 90291
Ion Ratio Lower Upper
152 100
150 150.2 126.2 189.2
115 53.3 52.2 78.2

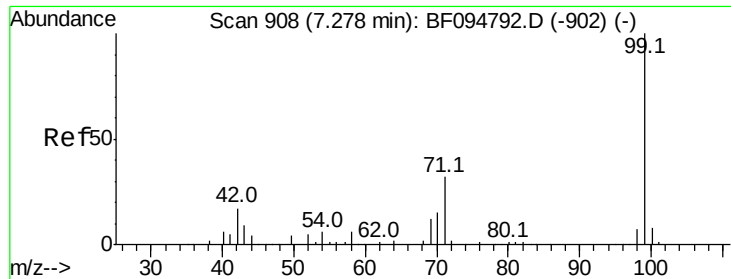


#5

2-Fluorophenol
Concen: 6.52 ng
RT: 5.80 min Scan# 656
Delta R.T. 0.06 min
Lab File: BF095444.D
Acq: 26 May 2017 2:17

Tgt Ion:112 Resp: 35329
Ion Ratio Lower Upper
112 100
64 49.0 46.0 69.0
63 24.2 23.4 35.0





#7

Phenol-d6

Concen: 3.81 ng

RT: 7.40 min Scan# 928

Delta R.T. 0.08 min

Lab File: BF095444.D

Acq: 26 May 2017 2:17

Instrument :

BNA_F

ClientSampled :

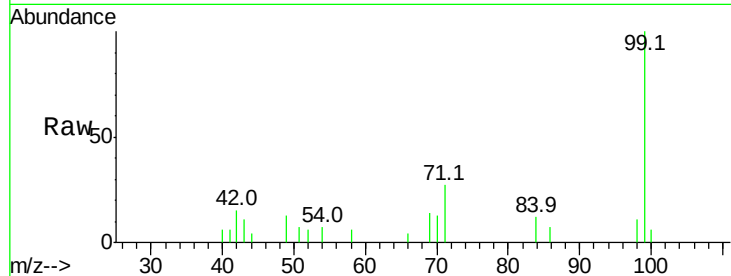
Tot Ion: 99 Resp: 24746

Ion Ratio Lower Upper

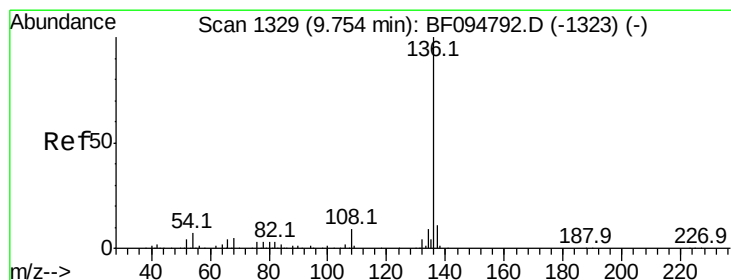
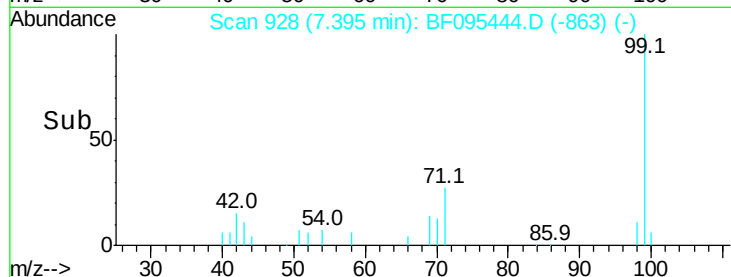
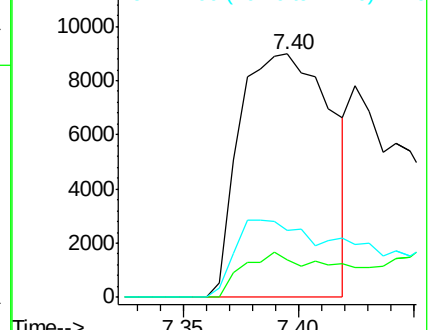
99 100

42 15.5 13.5 20.3

71 27.4 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: 9.77 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF095444.D

Acq: 26 May 2017 2:17

Tgt Ion: 136 Resp: 361620

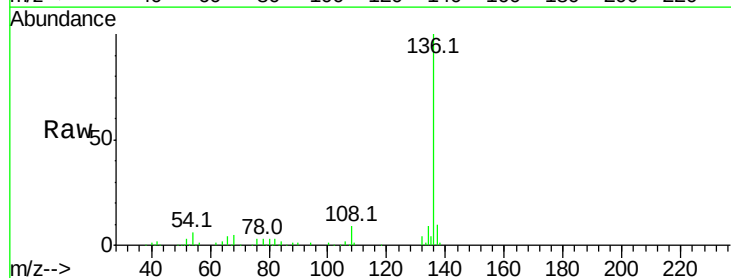
Ion Ratio Lower Upper

136 100

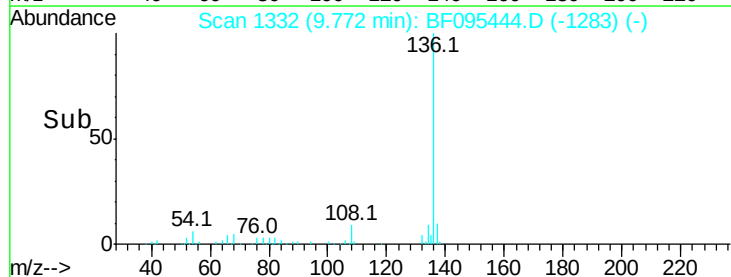
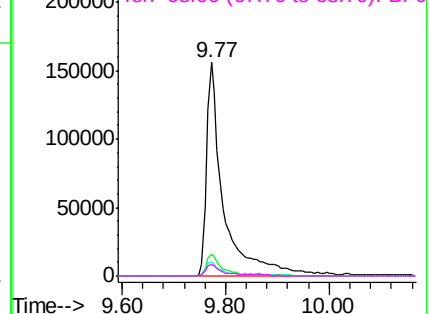
137 10.4 8.5 12.7

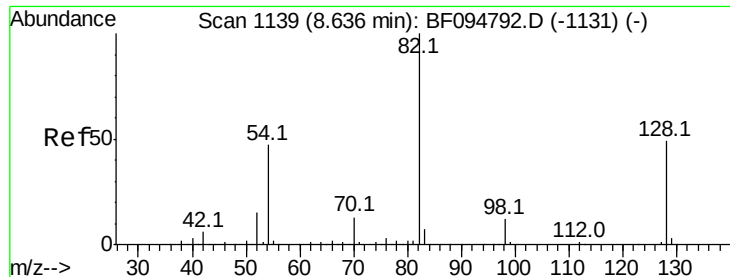
54 6.3 4.9 7.3

68 5.4 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

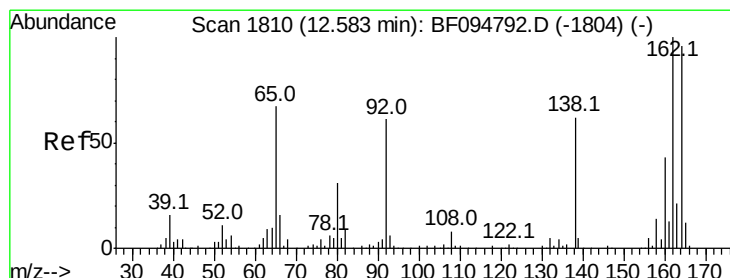
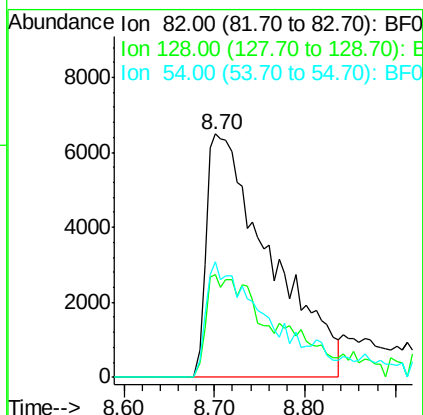
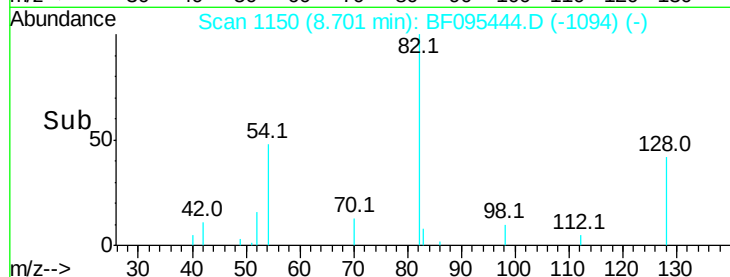
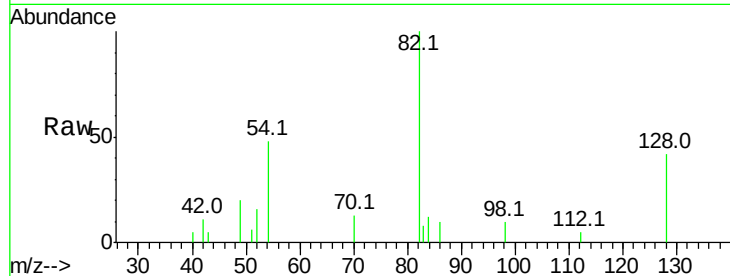




#23
Nitrobenzene-d5
Concen: 5.52 ng
RT: 8.70 min Scan# 1150
Delta R.T. 0.03 min
Lab File: BF095444.D
Acq: 26 May 2017 2:17

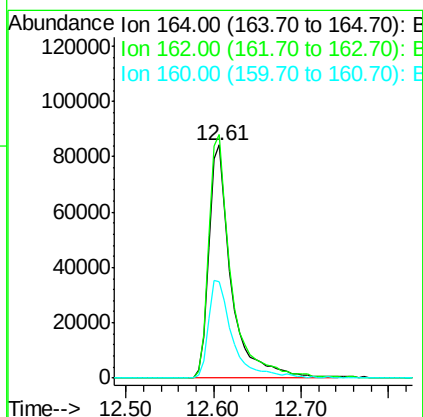
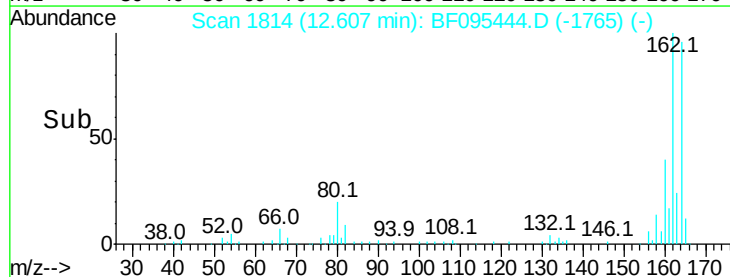
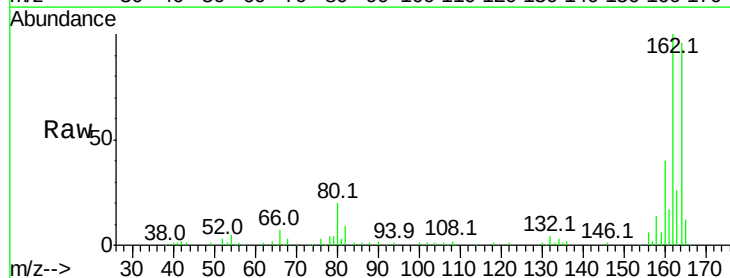
Instrument :
BNA_F
ClientSampled :

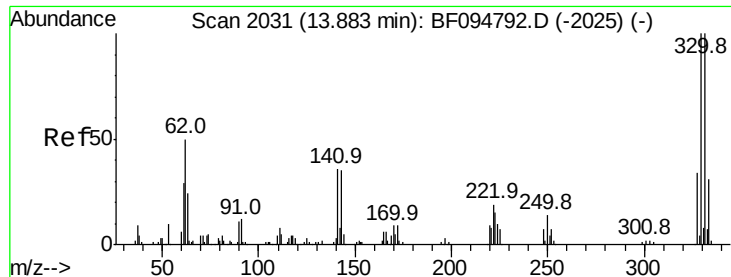
Tot Ion	82	Resp	31667
Ion	Ratio	Lower	Upper
82	100		
128	42.5	34.0	51.0
54	47.6	42.2	63.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.61 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF095444.D
Acq: 26 May 2017 2:17

Tgt Ion	164	Resp	150232
Ion	Ratio	Lower	Upper
164	100		
162	104.5	82.6	123.8
160	41.6	36.2	54.2

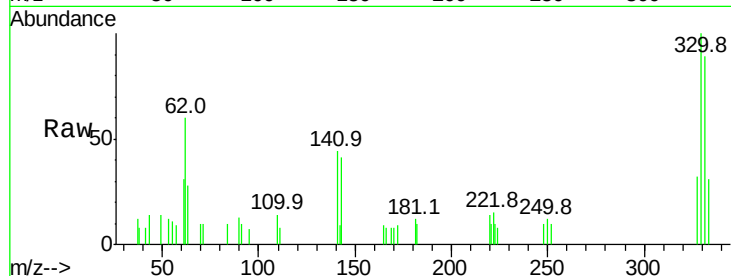




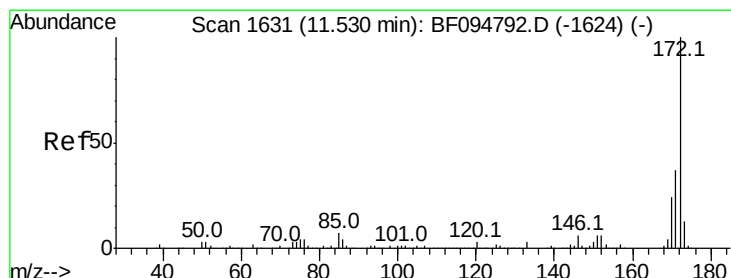
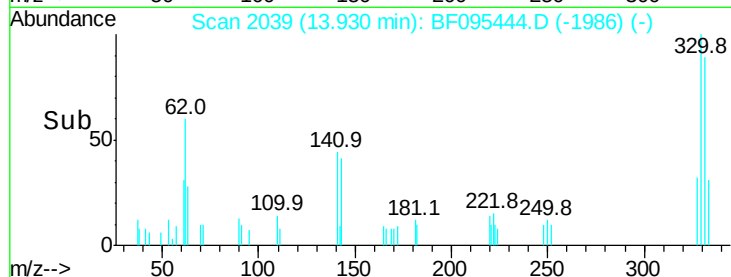
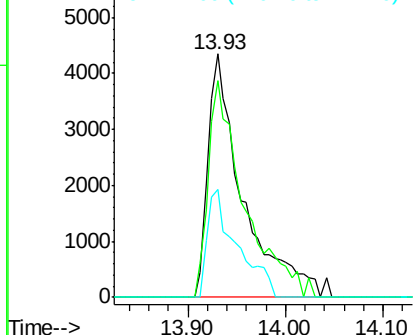
#41
 2,4,6-Tribromophenol
 Concen: 8.84 ng
 RT: 13.93 min Scan# 2039
 Delta R.T. 0.01 min
 Lab File: BF095444.D
 Acq: 26 May 2017 2:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	91.0	76.6	115.0
141	37.2	31.4	47.2

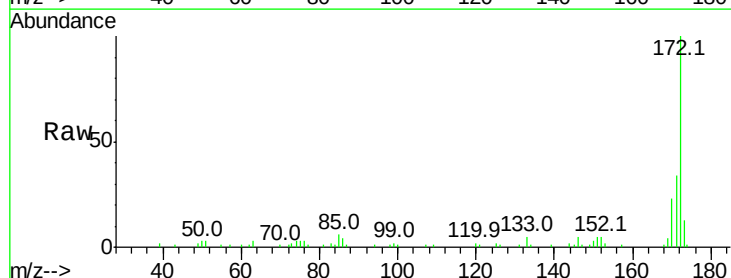


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

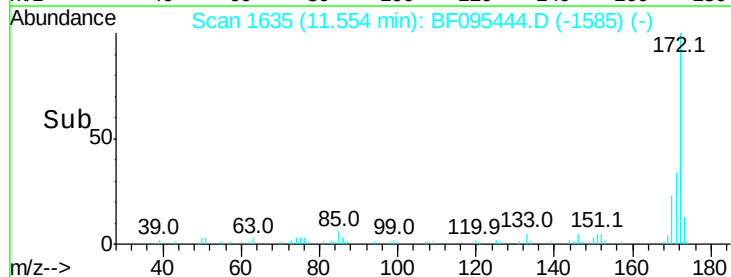
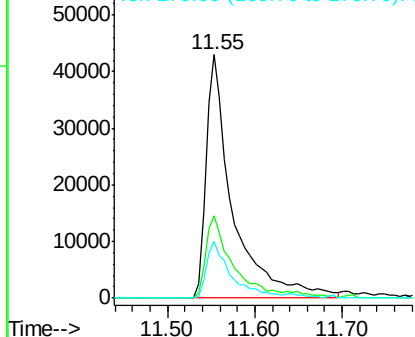


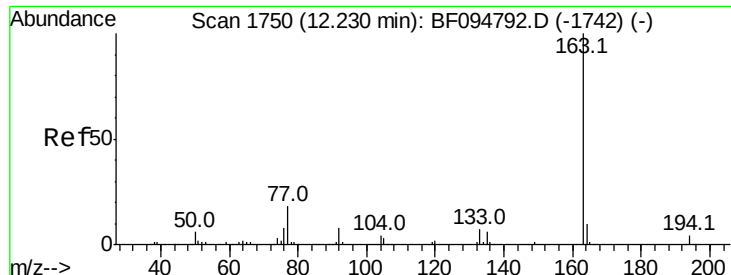
#44
 2-Fluorobiphenyl
 Concen: 8.71 ng
 RT: 11.55 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF095444.D
 Acq: 26 May 2017 2:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.9	29.6	44.4
170	23.1	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: 2.04 ng

RT: 12.26 min Scan# 1755

Delta R.T. 0.00 min

Lab File: BF095444.D

Acq: 26 May 2017 2:17

Instrument :

BNA_F

ClientSampled :

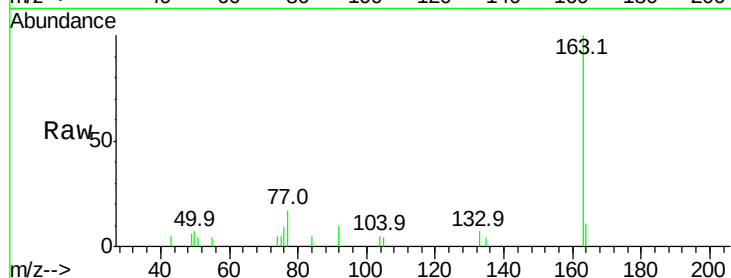
Tot Ion:163 Resp: 25169

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

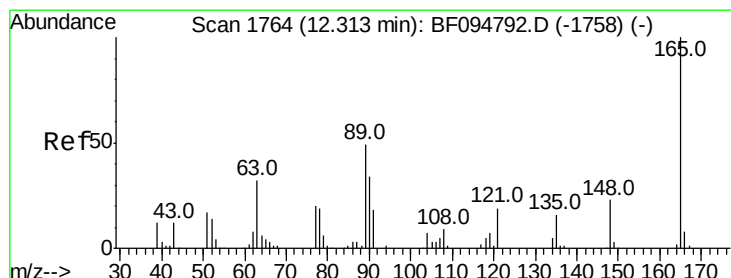
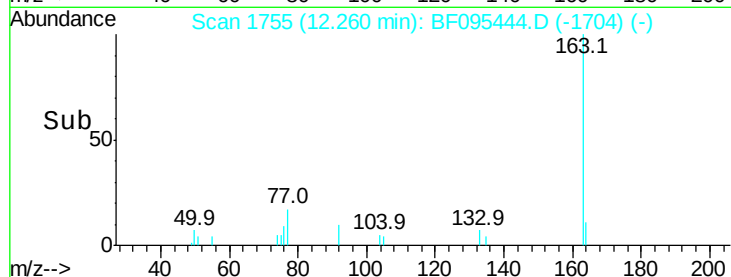
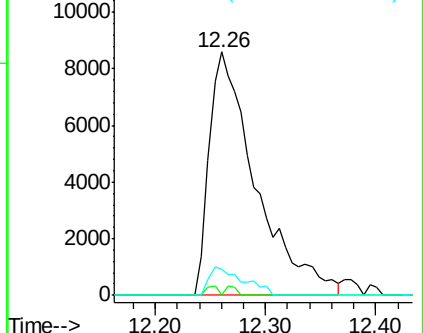
164 10.9 8.4 12.6



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



#50

2,6-Dinitrotoluene

Concen: 6.41 ng

RT: 12.60 min Scan# 1813

Delta R.T. 0.24 min

Lab File: BF095444.D

Acq: 26 May 2017 2:17

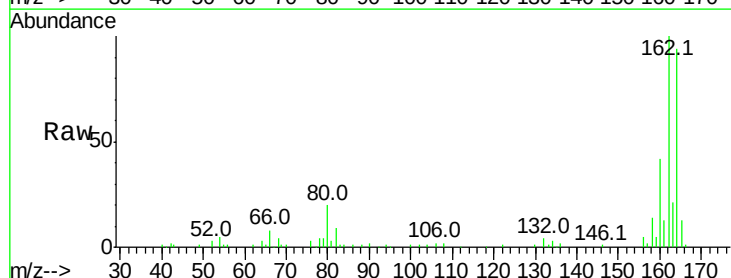
Tgt Ion:165 Resp: 16117

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

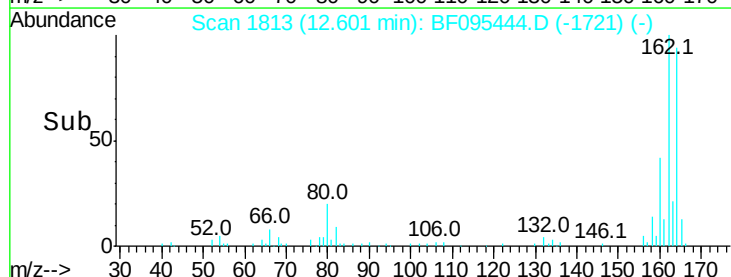
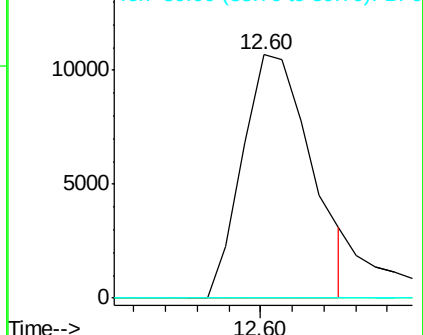
89 0.0 37.1 55.7#

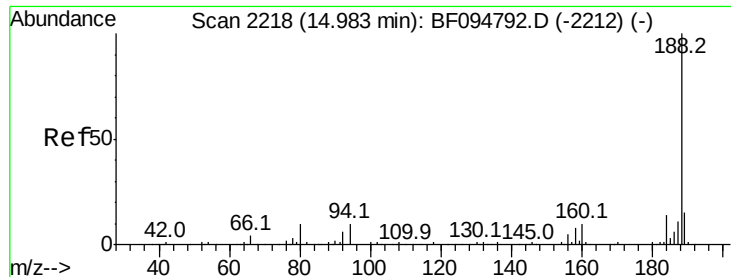


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

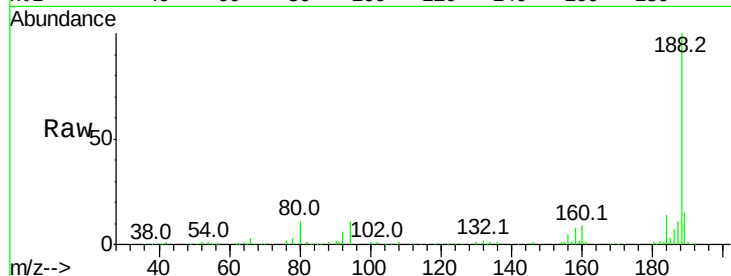




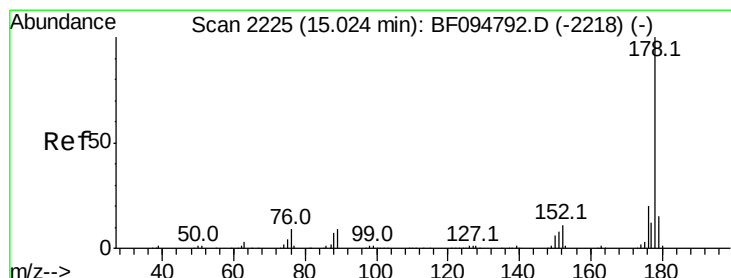
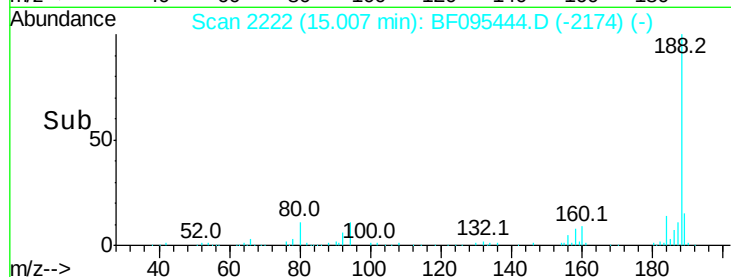
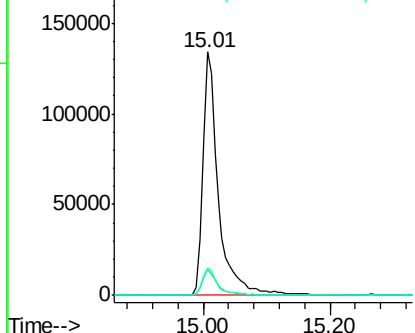
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.01 min Scan# 2222
Delta R.T. -0.02 min
Lab File: BF095444.D
Acq: 26 May 2017 2:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 227594
Ion Ratio Lower Upper
188 100
94 10.9 9.4 14.2
80 11.3 10.2 15.2

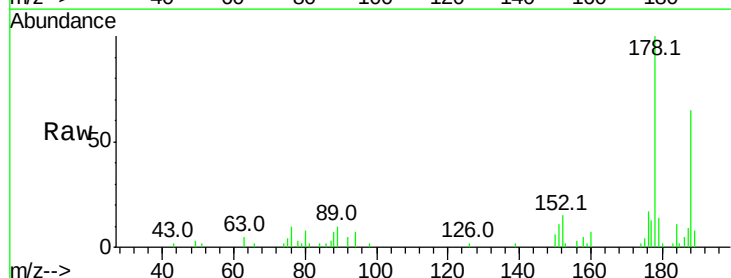


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

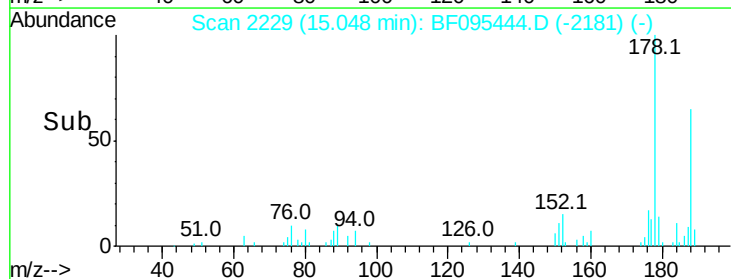
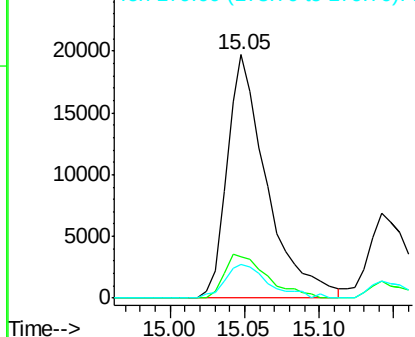


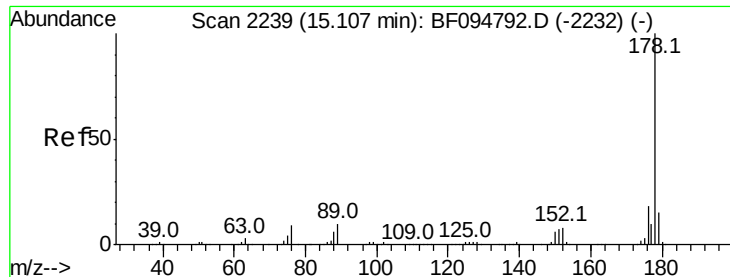
#70
Phenanthrene
Concen: 2.79 ng
RT: 15.05 min Scan# 2229
Delta R.T. -0.02 min
Lab File: BF095444.D
Acq: 26 May 2017 2:17

Tgt Ion:178 Resp: 36510
Ion Ratio Lower Upper
178 100
176 17.1 16.2 24.4
179 13.8 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

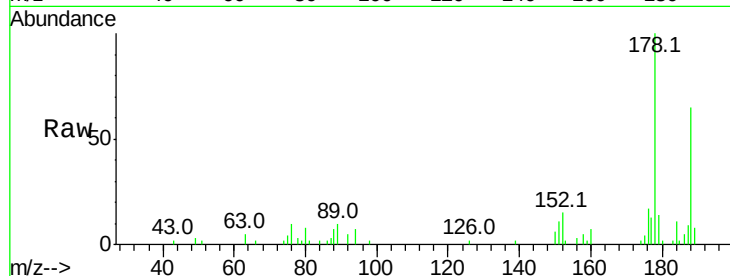




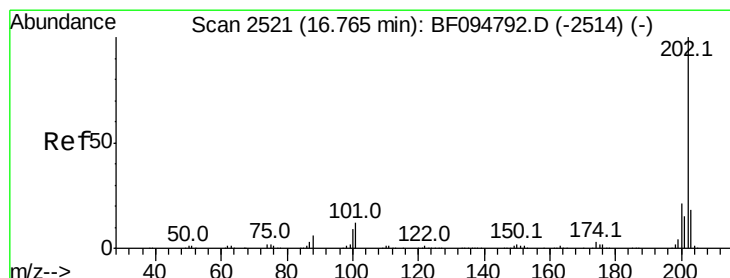
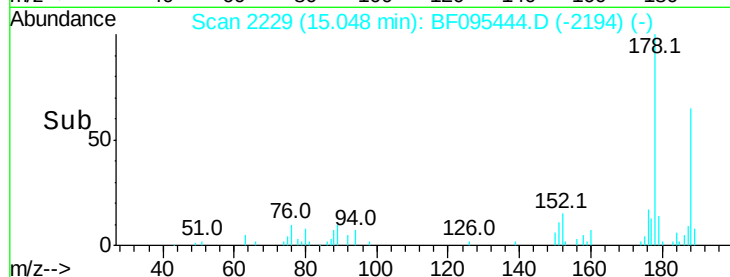
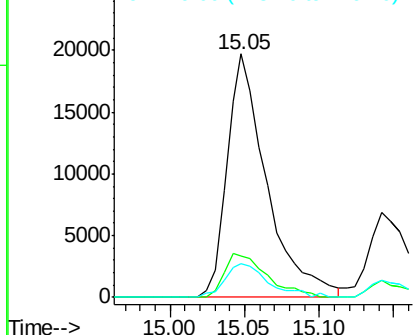
#71
 Anthracene
 Concen: 2.73 ng
 RT: 15.05 min Scan# 2229
 Delta R.T. -0.09 min
 Lab File: BF095444.D
 Acq: 26 May 2017 2:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 36510
 Ion Ratio Lower Upper
 178 100
 176 17.1 15.8 23.8
 179 13.8 12.7 19.1

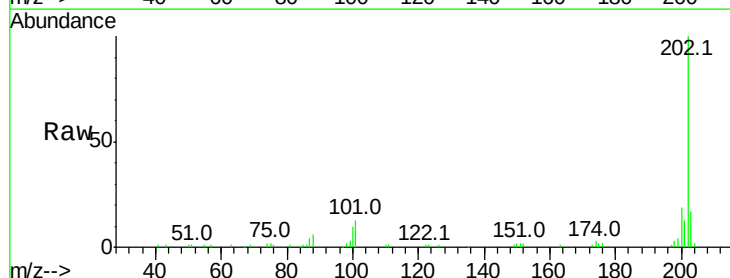


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

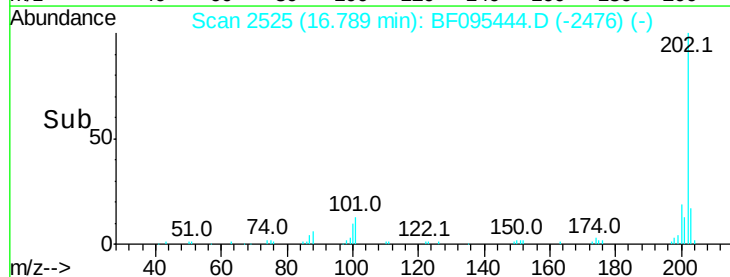
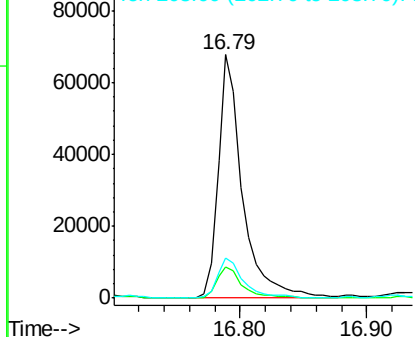


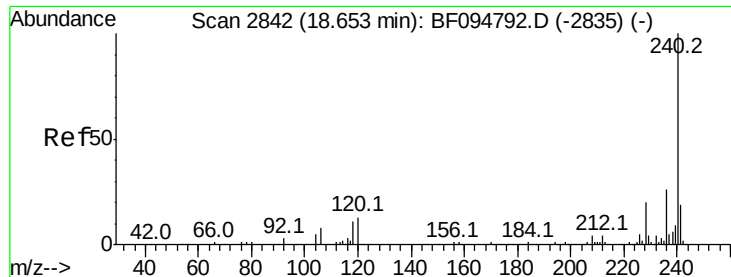
#74
 Fluoranthene
 Concen: 6.75 ng
 RT: 16.79 min Scan# 2525
 Delta R.T. -0.01 min
 Lab File: BF095444.D
 Acq: 26 May 2017 2:17

Tgt Ion:202 Resp: 90544
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 33.2
 203 16.6 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: BF095444.D

Acq: 26 May 2017 2:17

Instrument :

BNA_F

ClientSampleId :

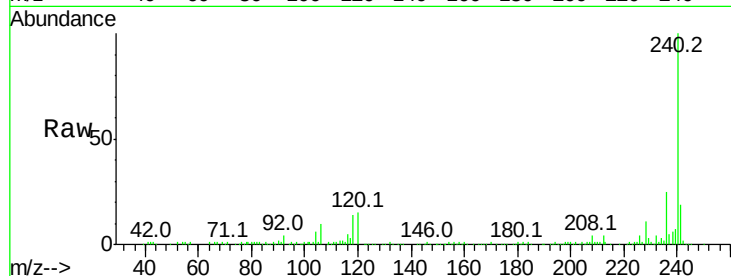
Tot Ion:240 Resp: 182833

Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

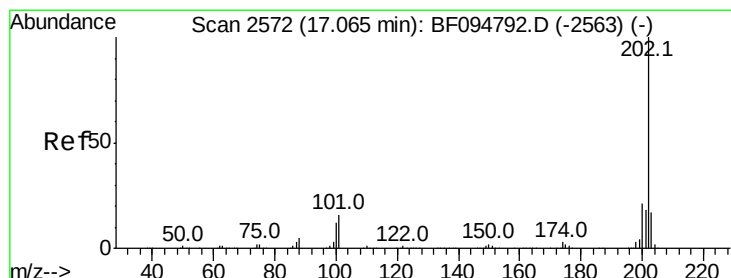
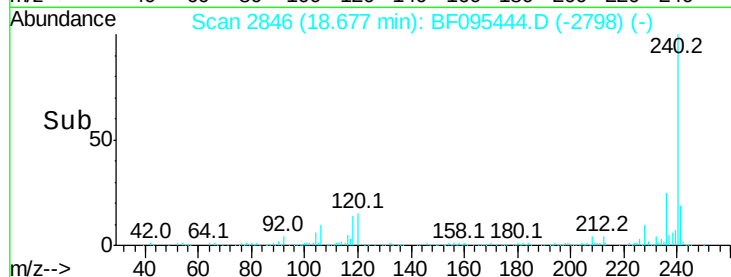
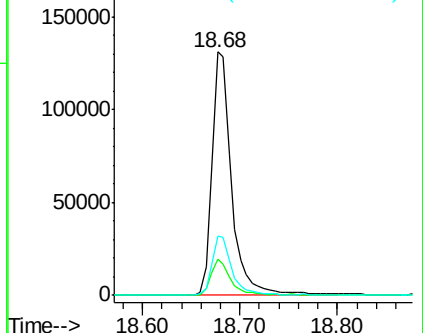
236 24.5 20.5 30.7



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

Pyrene

Concen: 6.39 ng

RT: 17.09 min Scan# 2577

Delta R.T. -0.01 min

Lab File: BF095444.D

Acq: 26 May 2017 2:17

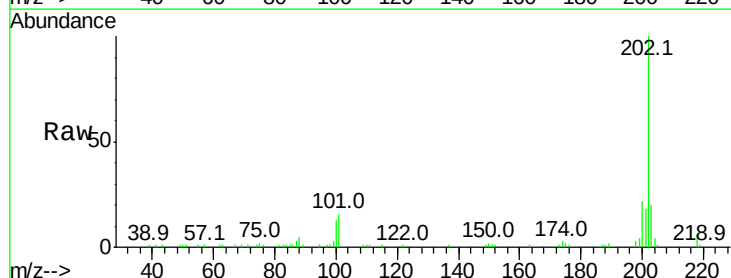
Tgt Ion:202 Resp: 87315

Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

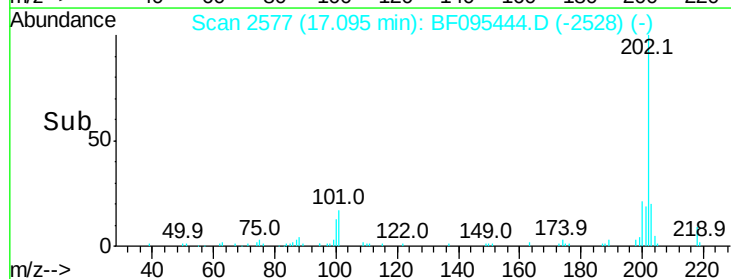
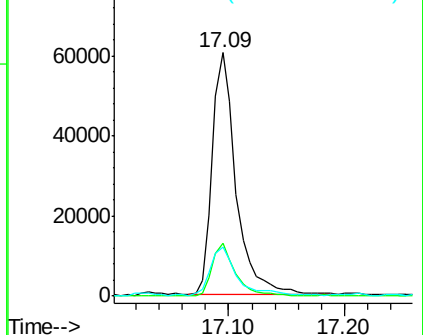
203 20.1 14.4 21.6

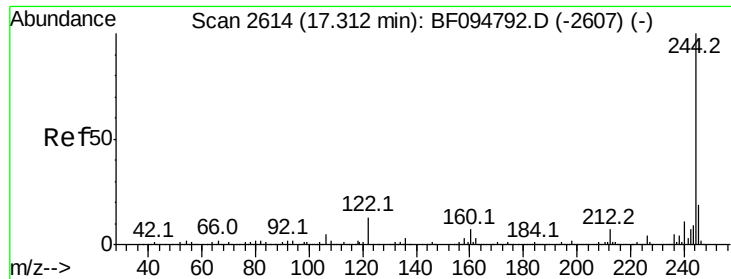


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 7.19 ng

RT: 17.32 min Scan# 2616

Delta R.T. -0.02 min

Lab File: BF095444.D

Acq: 26 May 2017 2:17

Instrument :

BNA_F

ClientSampleId :

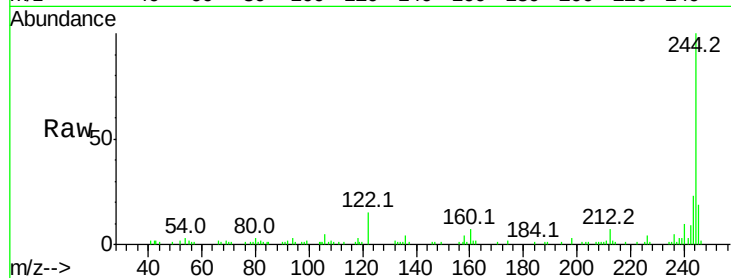
Tot Ion:244 Resp: 59692

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

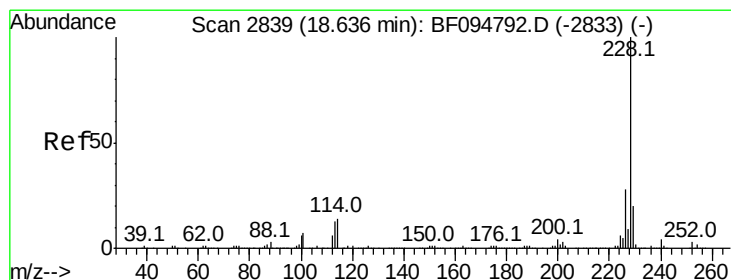
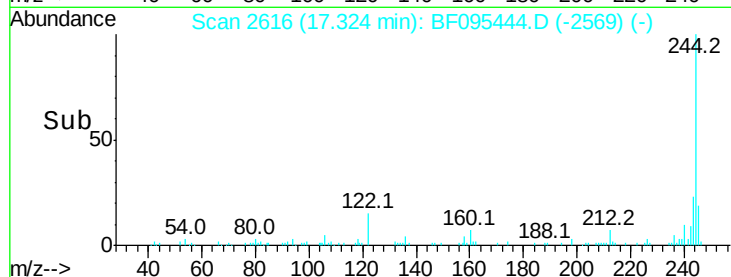
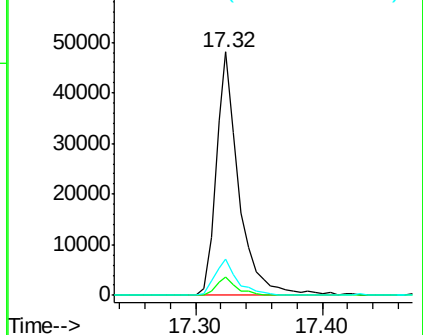
122 14.8 10.3 15.5



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: 3.17 ng

RT: 18.67 min Scan# 2844

Delta R.T. -0.02 min

Lab File: BF095444.D

Acq: 26 May 2017 2:17

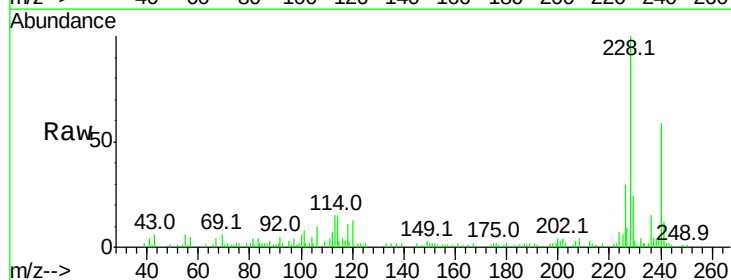
Tgt Ion:228 Resp: 33724

Ion Ratio Lower Upper

228 100

226 30.3 22.6 33.8

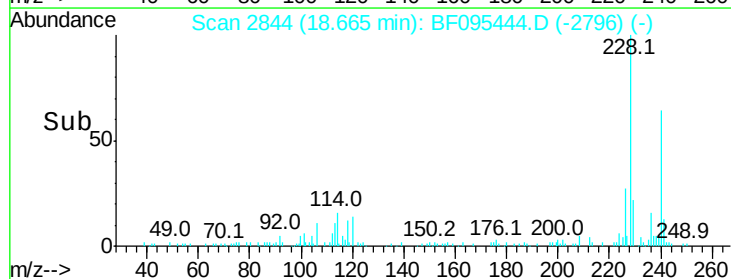
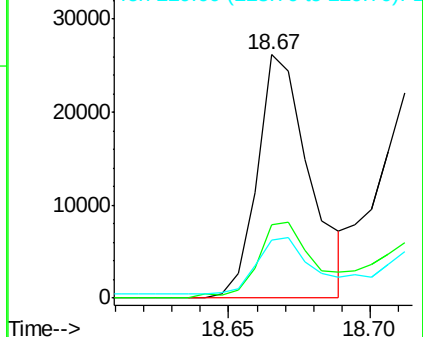
229 24.0 16.3 24.5

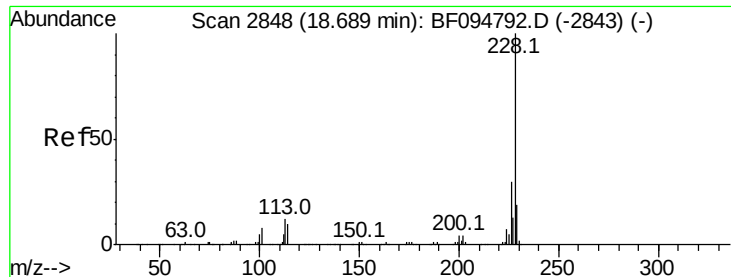


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.63 ng

RT: 18.71 min Scan# 2852

Delta R.T. -0.02 min

Lab File: BF095444.D

Acq: 26 May 2017 2:17

Instrument :

BNA_F

ClientSampleId :

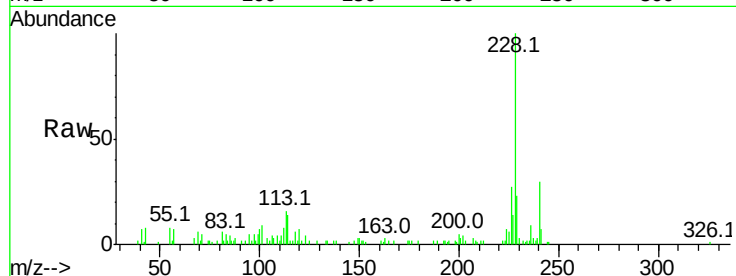
Tot Ion:228 Resp: 37312

Ion Ratio Lower Upper

228 100

226 27.3 24.9 37.3

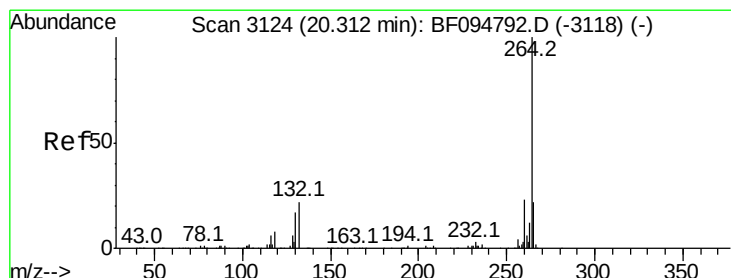
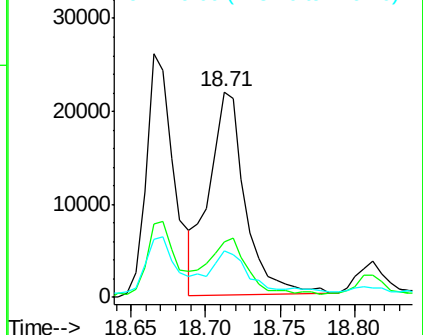
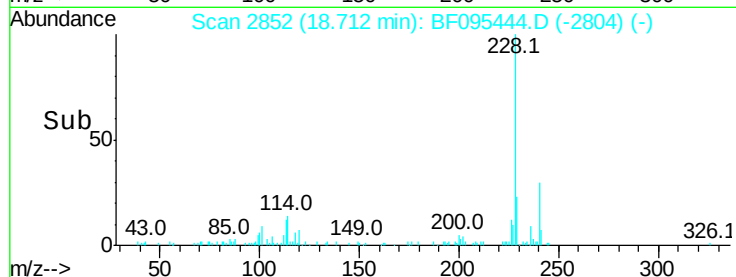
229 22.7 15.8 23.6



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: 20.36 min Scan# 3132

Delta R.T. -0.01 min

Lab File: BF095444.D

Acq: 26 May 2017 2:17

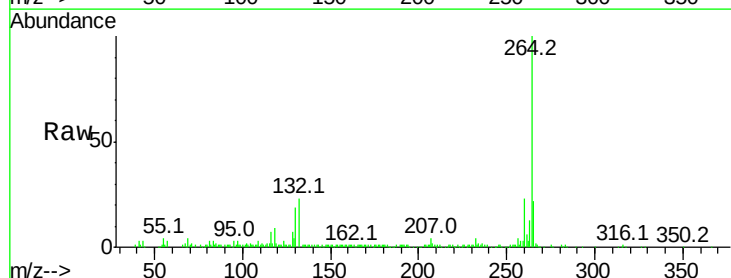
Tgt Ion:264 Resp: 134466

Ion Ratio Lower Upper

264 100

260 22.6 19.5 29.3

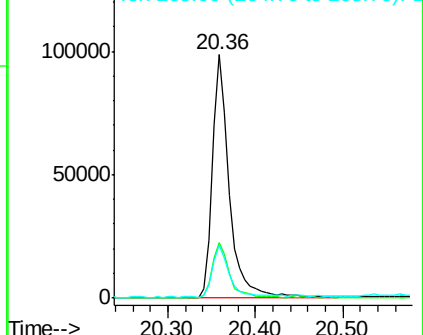
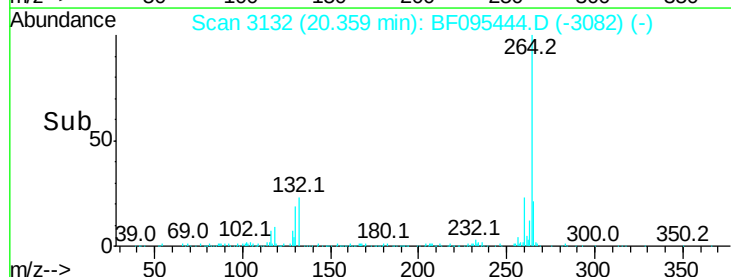
265 21.5 17.2 25.8

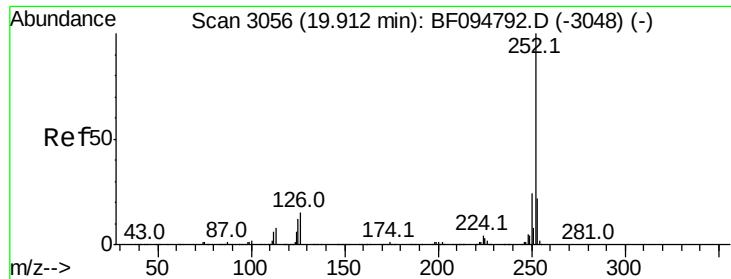


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.75 ng

RT: 19.96 min Scan# 3064

Delta R.T. 0.00 min

Lab File: BF095444.D

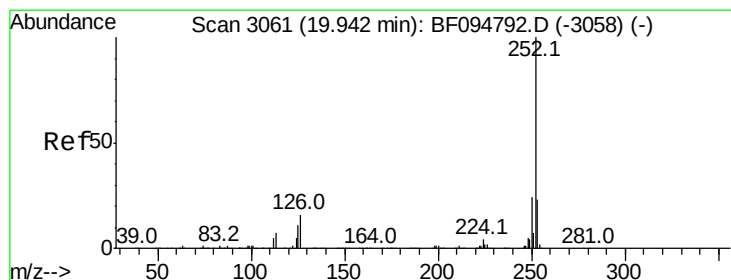
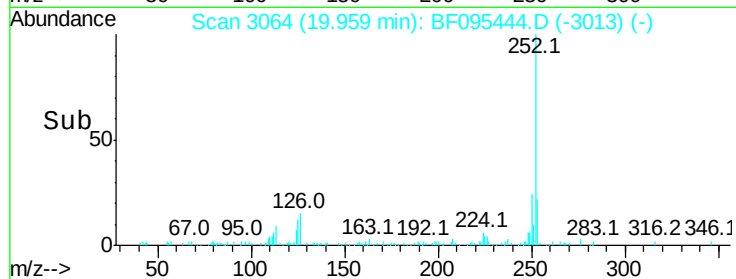
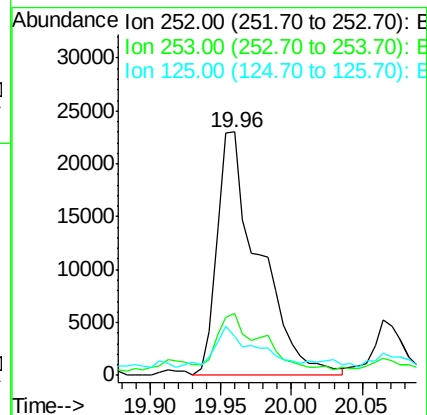
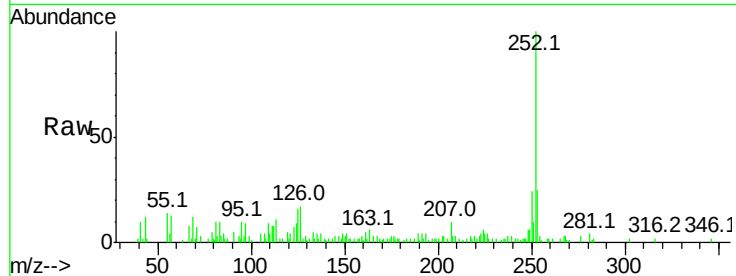
Acq: 26 May 2017 2:17

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	47793
Ion Ratio	Lower	Upper
252	100	
253	25.3	18.1 27.1
125	16.1	9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 5.96 ng

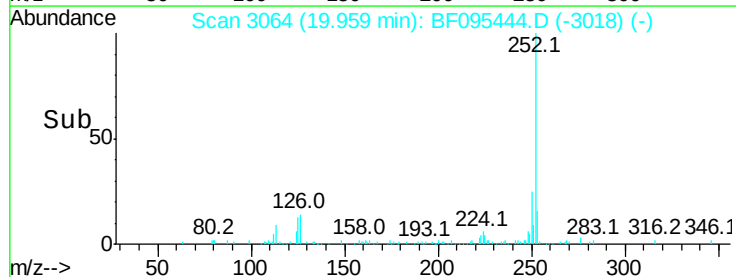
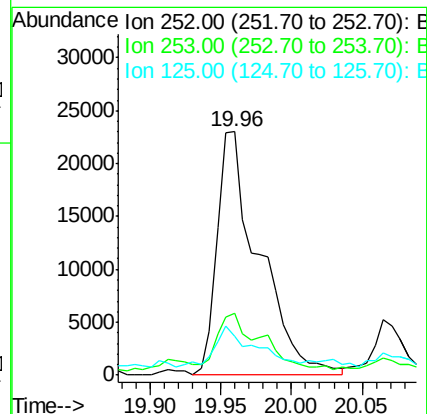
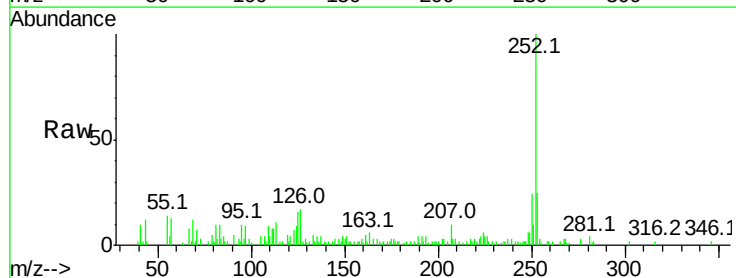
RT: 19.96 min Scan# 3064

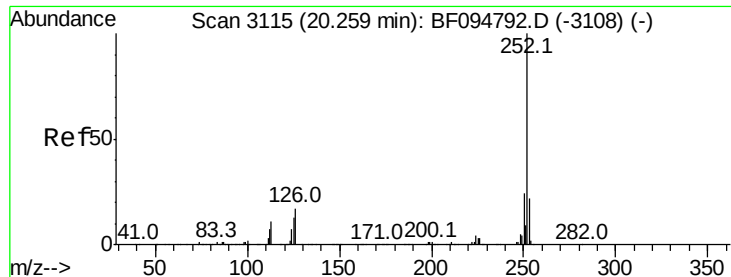
Delta R.T. -0.03 min

Lab File: BF095444.D

Acq: 26 May 2017 2:17

Tgt Ion:252	Resp:	47793
Ion Ratio	Lower	Upper
252	100	
253	25.3	18.4 27.6
125	16.1	13.1 19.7

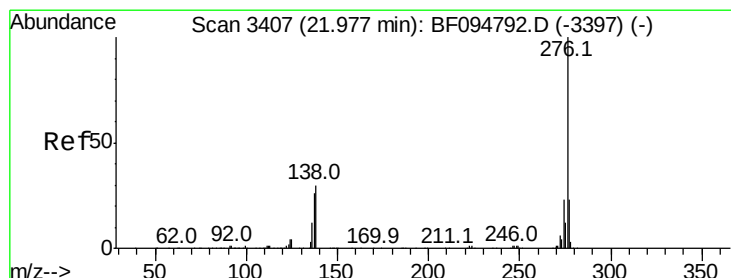
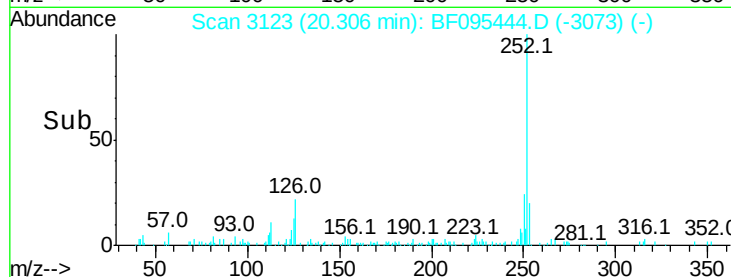
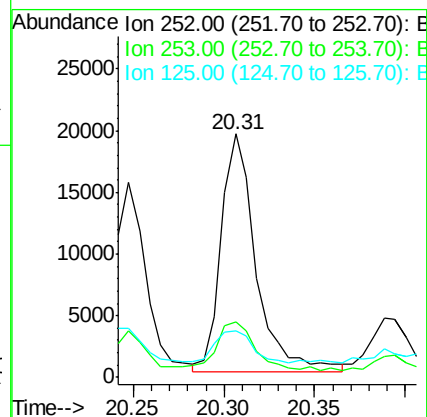
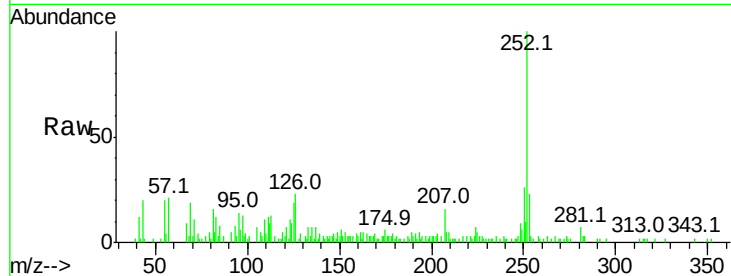




#89
Benzo(a)pyrene
Concen: 3.38 ng
RT: 20.31 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095444.D
Acq: 26 May 2017 2:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 25905
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 19.0 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 2.39 ng
RT: 22.11 min Scan# 3429
Delta R.T. 0.02 min
Lab File: BF095444.D
Acq: 26 May 2017 2:17

Tgt Ion:276 Resp: 14824
Ion Ratio Lower Upper
276 100
277 31.0 18.6 28.0#
138 25.5 25.4 38.0

