

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
 Data File : BF095149.D
 Acq On : 16 May 2017 4:52
 Operator : SJ/MA
 Sample : I3140-11 20X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 16 06:03:27 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	7.78	152	74868	20.00	ng	0.05
21) Naphthalene-d8	9.80	136	285326	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	109443	20.00	ng	0.04
63) Phenanthrene-d10	15.03	188	152313	20.00	ng	0.05
75) Chrysene-d12	18.70	240	156193	20.00	ng	0.05
86) Perylene-d12	20.38	264	138763	20.00	ng	0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.85	112	5674	1.26	ng	0.18
7) Phenol-d6	7.43	99	6315	1.17	ng	0.15
23) Nitrobenzene-d5	8.74	82	6672	1.47	ng	0.11
41) 2,4,6-Tribromophenol	13.95	330	2461	2.75	ng	0.07
44) 2-Fluorobiphenyl	11.58	172	30168	3.97	ng	0.05
78) Terphenyl-d14	17.35	244	18467	2.60	ng	0.04

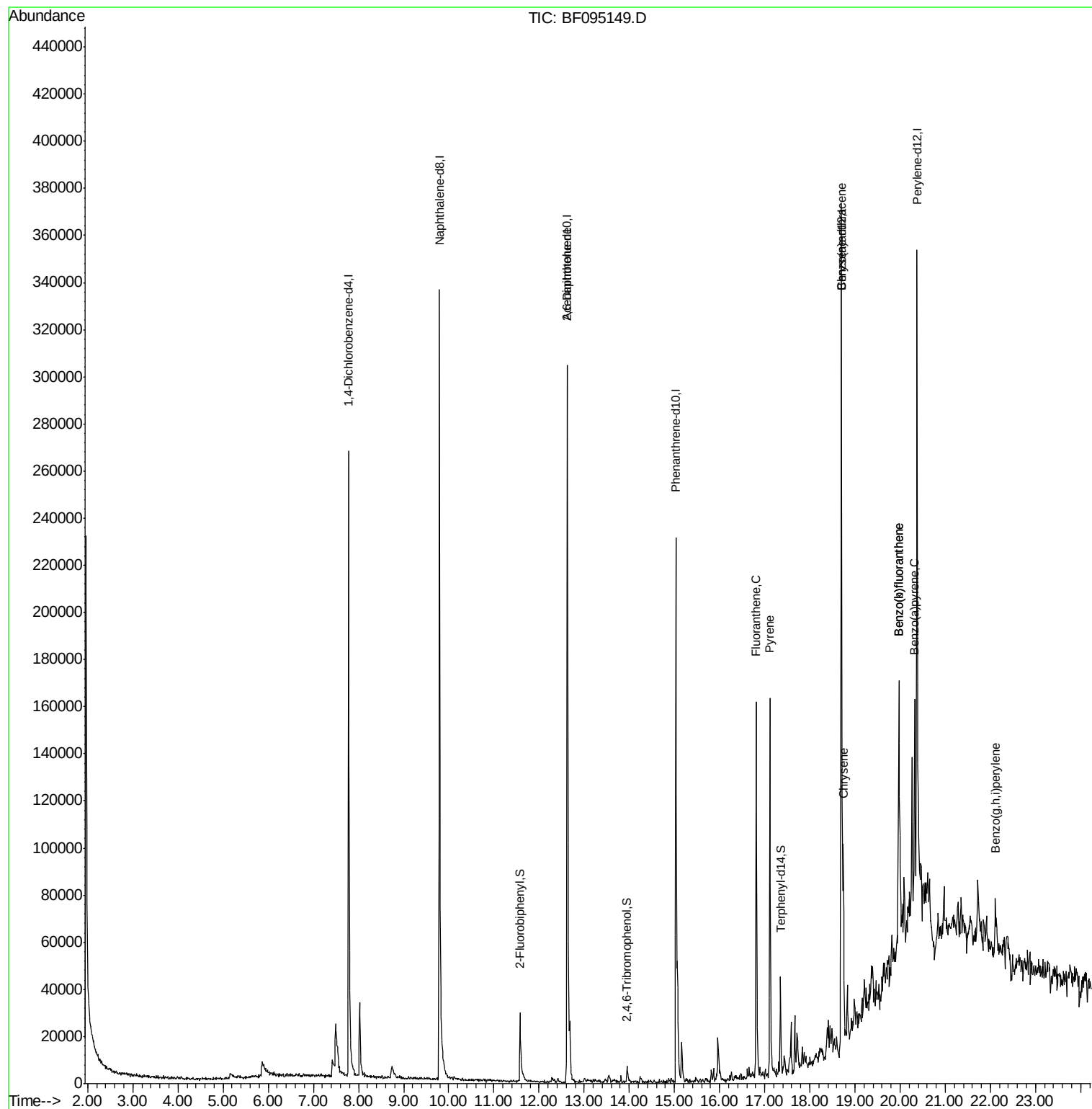
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) 2,6-Dinitrotoluene	12.62	165	8776	4.79	ng	# 31
74) Fluoranthene	16.81	202	100314	11.17	ng	98
77) Pyrene	17.11	202	88725	7.60	ng	# 94
80) Benzo(a)anthracene	18.69	228	38150	4.20	ng	95
82) Chrysene	18.74	228	43955	5.00	ng	98
87) Benzo(b)fluoranthene	19.97	252	78705	9.18	ng	# 96
88) Benzo(k)fluoranthene	19.97	252	78705	9.52	ng	99
89) Benzo(a)pyrene	20.32	252	37923	4.79	ng	# 91
91) Benzo(g,h,i)perylene	22.11	276	18812	2.93	ng	96

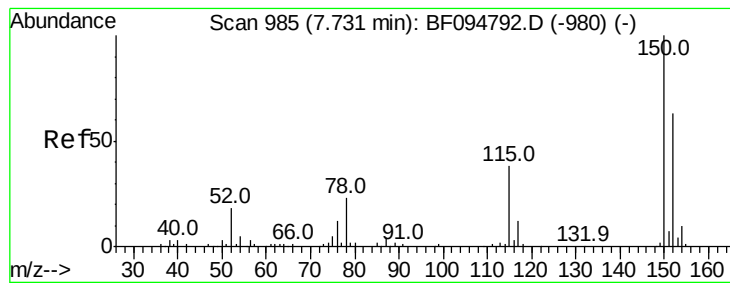
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
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ALS Vial : 25 Sample Multiplier: 1

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ClientSampled :

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
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QLast Update : Wed May 03 17:24:51 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.78 min Scan# 993

Delta R.T. 0.05 min

Lab File: BF095149.D

Acq: 16 May 2017 4:52

Instrument :

BNA_F

ClientSampled :

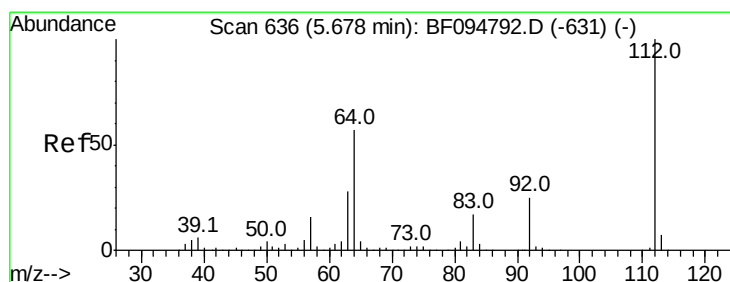
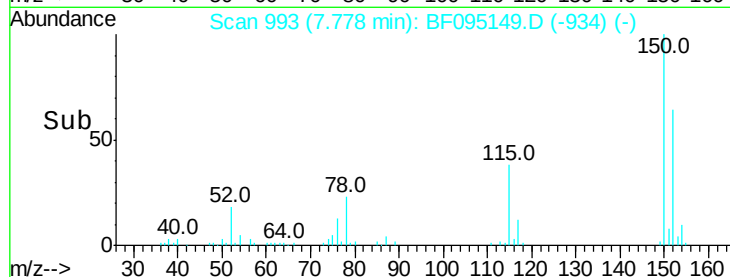
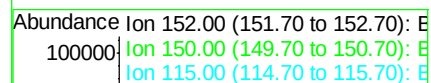
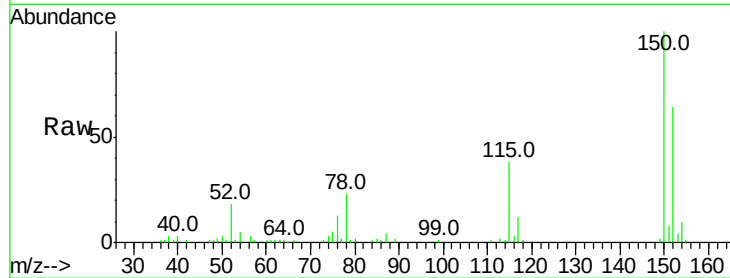
Tot Ion:152 Resp: 74868

Ion Ratio Lower Upper

152 100

150 156.9 126.2 189.2

115 59.9 52.2 78.2



#5

2-Fluorophenol

Concen: 1.26 ng

RT: 5.85 min Scan# 666

Delta R.T. 0.18 min

Lab File: BF095149.D

Acq: 16 May 2017 4:52

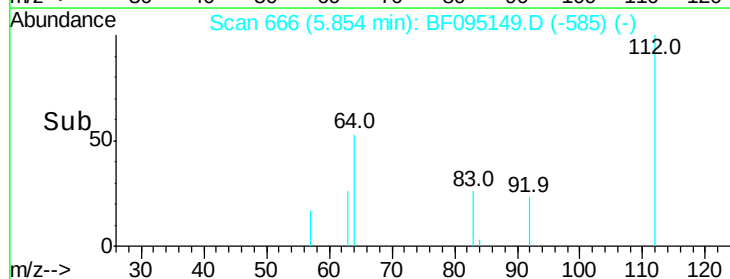
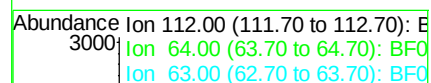
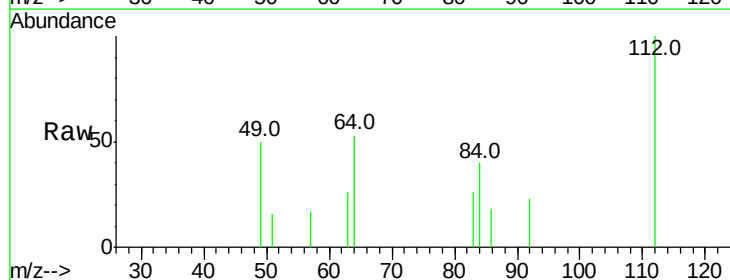
Tgt Ion:112 Resp: 5674

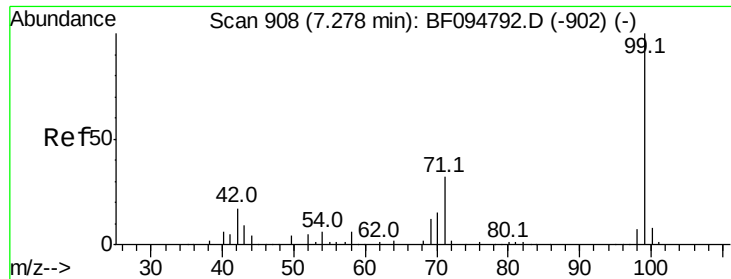
Ion Ratio Lower Upper

112 100

64 53.5 46.0 69.0

63 26.0 23.4 35.0





#7

Phenol-d6

Concen: 1.17 ng

RT: 7.43 min Scan# 934

Delta R.T. 0.15 min

Lab File: BF095149.D

Acq: 16 May 2017 4:52

Instrument :

BNA_F

ClientSampleId :

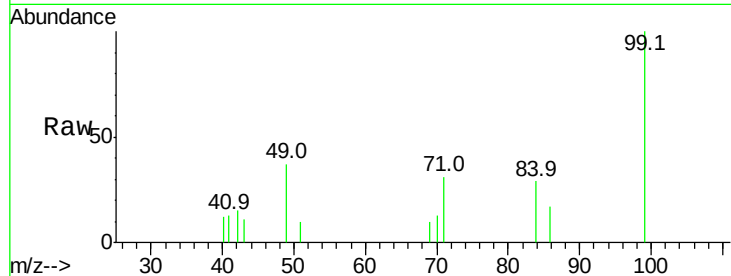
Tot Ion: 99 Resp: 6315

Ion Ratio Lower Upper

99 100

42 14.5 13.5 20.3

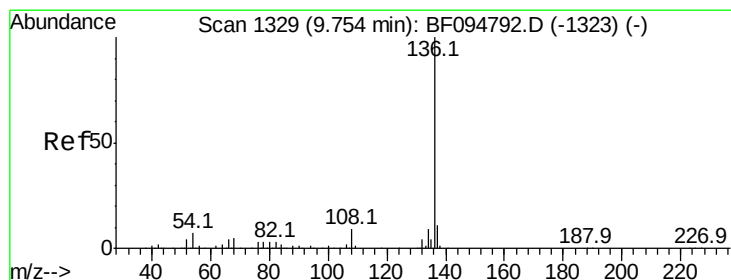
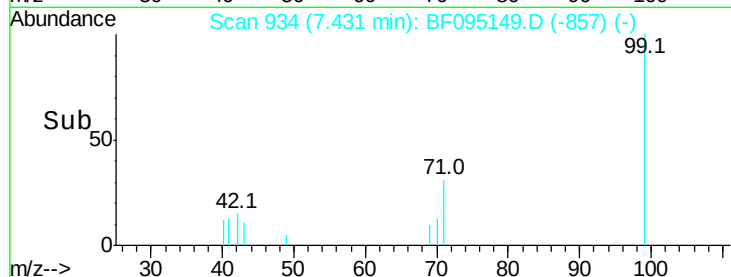
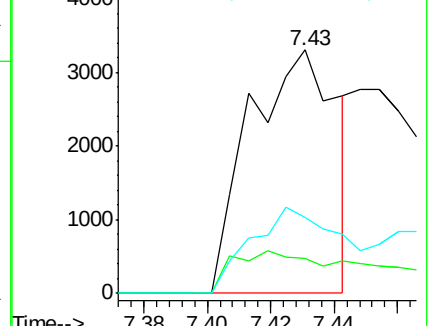
71 31.3 24.5 36.7



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: 9.80 min Scan# 1336

Delta R.T. 0.04 min

Lab File: BF095149.D

Acq: 16 May 2017 4:52

Tgt Ion: 136 Resp: 285326

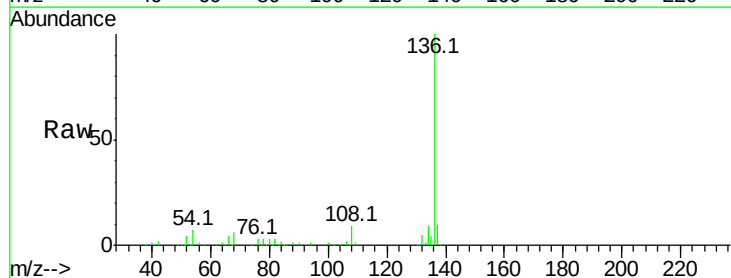
Ion Ratio Lower Upper

136 100

137 10.4 8.5 12.7

54 6.7 4.9 7.3

68 5.9 4.1 6.1

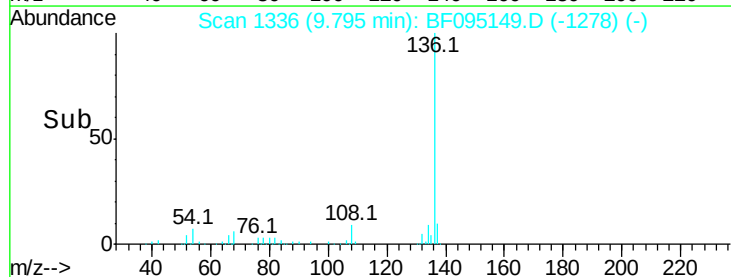
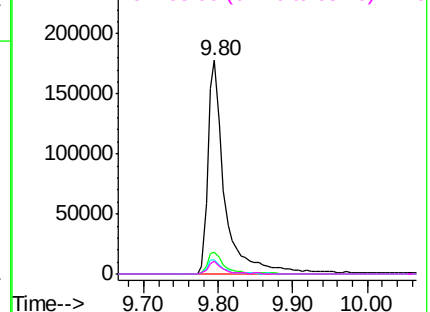


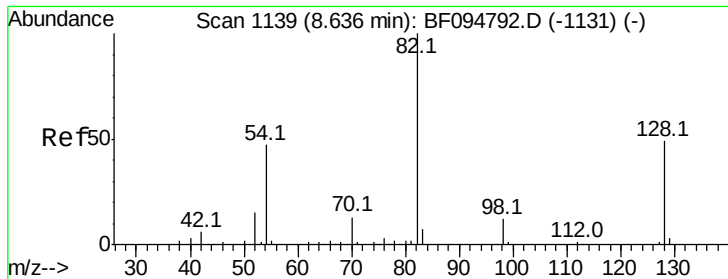
Abundance Ion 136.00 (135.70 to 136.70): E

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

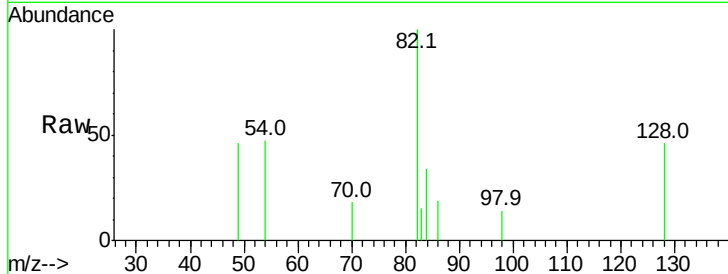




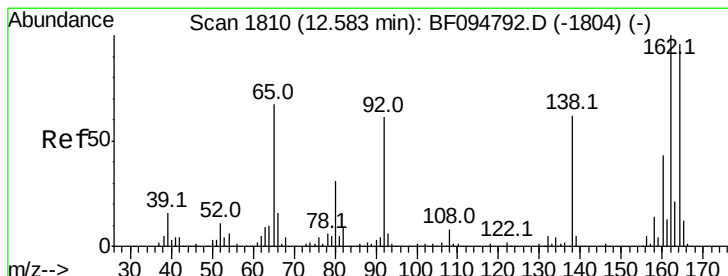
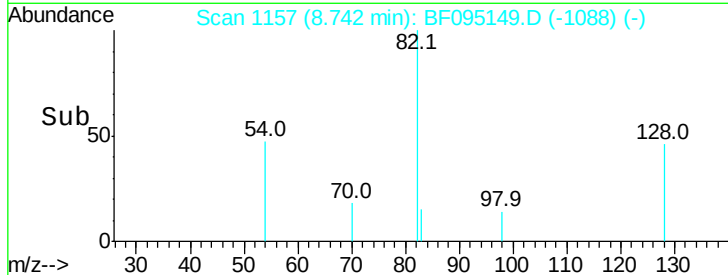
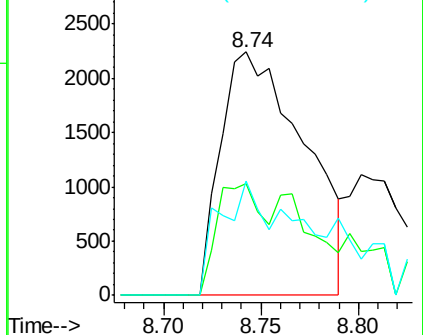
#23
 Nitrobenzene-d5
 Concen: 1.47 ng
 RT: 8.74 min Scan# 1157
 Delta R.T. 0.11 min
 Lab File: BF095149.D
 Acq: 16 May 2017 4:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 6672
 Ion Ratio Lower Upper
 82 100
 128 45.8 34.0 51.0
 54 46.9 42.2 63.2

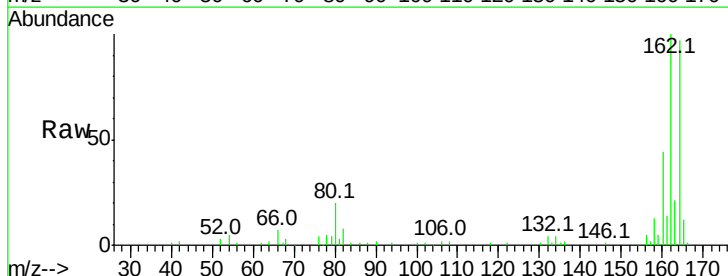


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

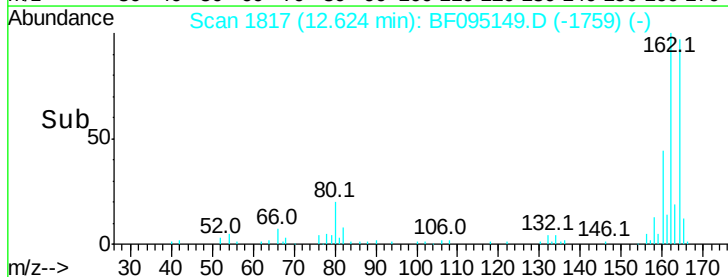
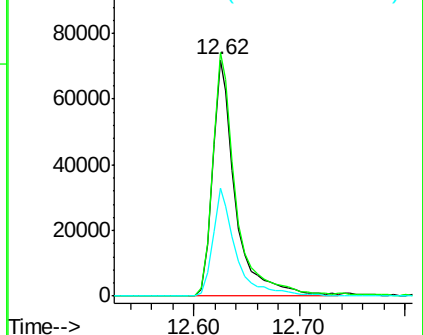


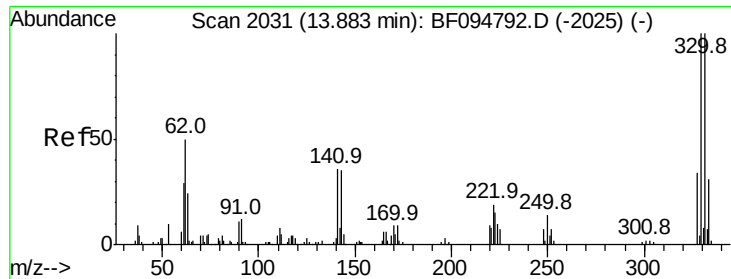
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.62 min Scan# 1817
 Delta R.T. 0.04 min
 Lab File: BF095149.D
 Acq: 16 May 2017 4:52

Tgt Ion:164 Resp: 109443
 Ion Ratio Lower Upper
 164 100
 162 103.1 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

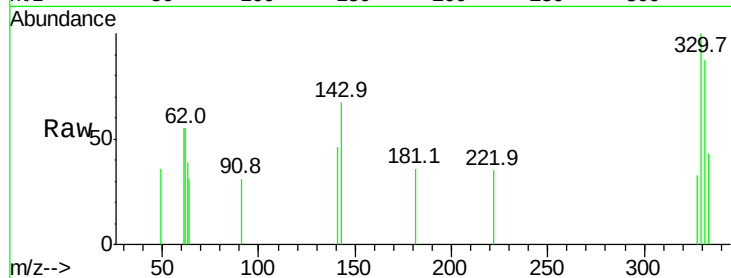




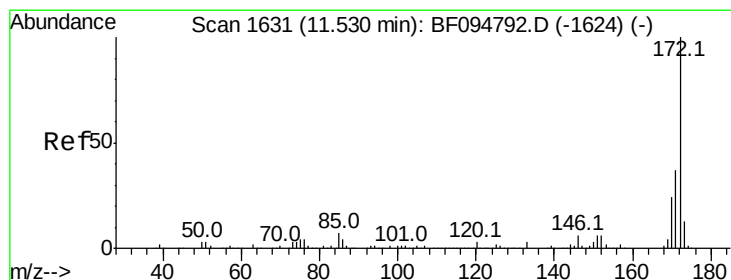
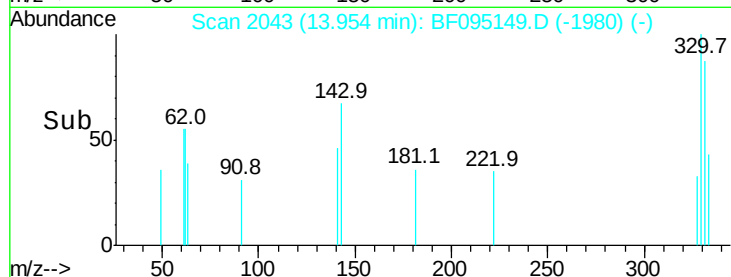
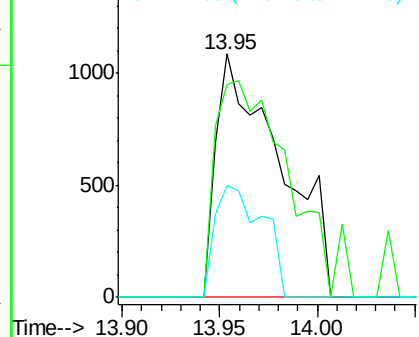
#41
 2,4,6-Tribromophenol
 Concen: 2.75 ng
 RT: 13.95 min Scan# 2043
 Delta R.T. 0.07 min
 Lab File: BF095149.D
 Acq: 16 May 2017 4:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 2461
 Ion Ratio Lower Upper
 330 100
 332 103.2 76.6 115.0
 141 34.3 31.4 47.2

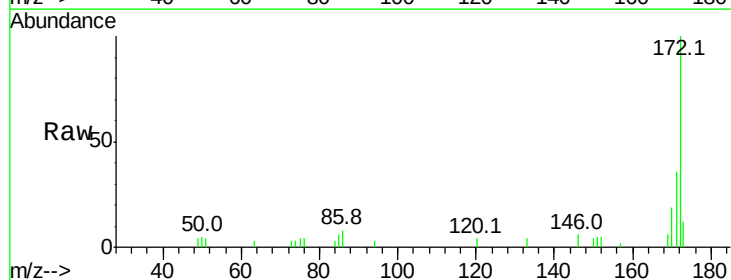


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

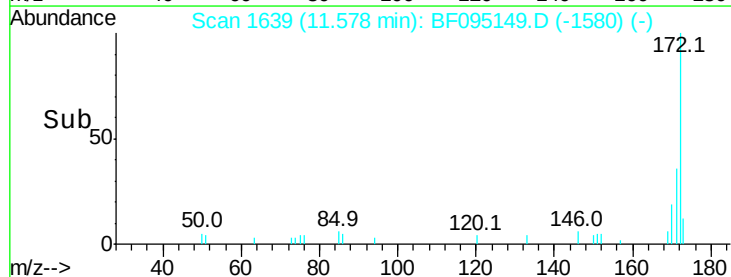
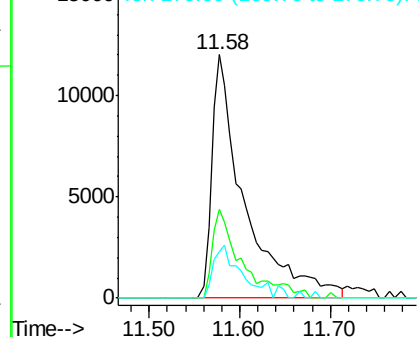


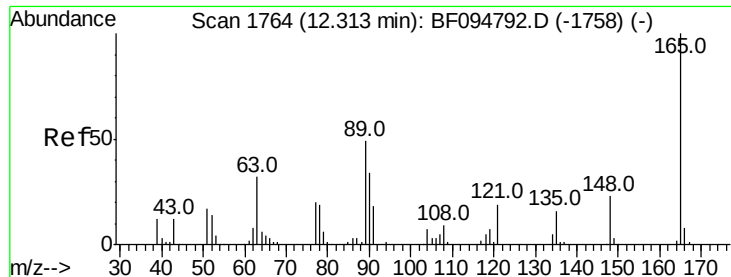
#44
 2-Fluorobiphenyl
 Concen: 3.97 ng
 RT: 11.58 min Scan# 1639
 Delta R.T. 0.05 min
 Lab File: BF095149.D
 Acq: 16 May 2017 4:52

Tgt Ion:172 Resp: 30168
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 19.1 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

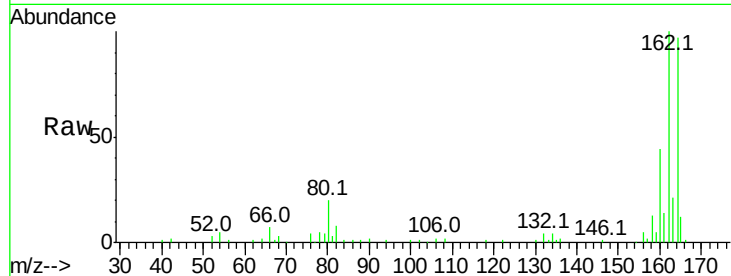




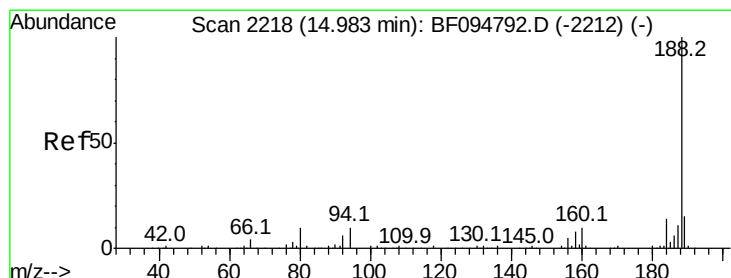
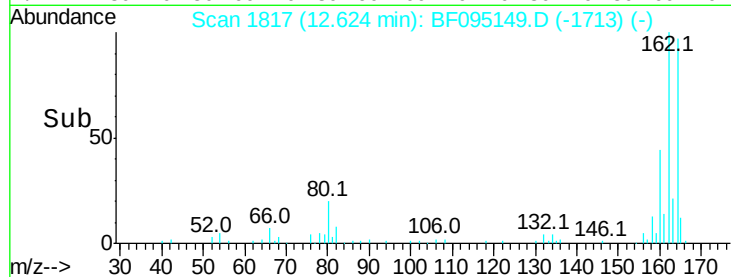
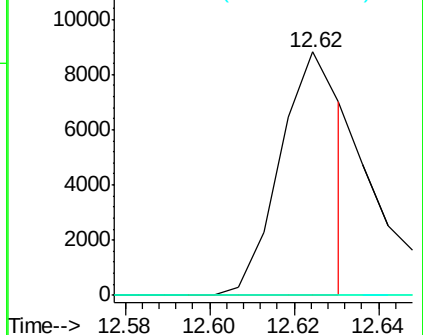
#50
 2,6-Dinitrotoluene
 Concen: 4.79 ng
 RT: 12.62 min Scan# 1817
 Delta R.T. 0.31 min
 Lab File: BF095149.D
 Acq: 16 May 2017 4:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 8776
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 0.0 37.1 55.7#

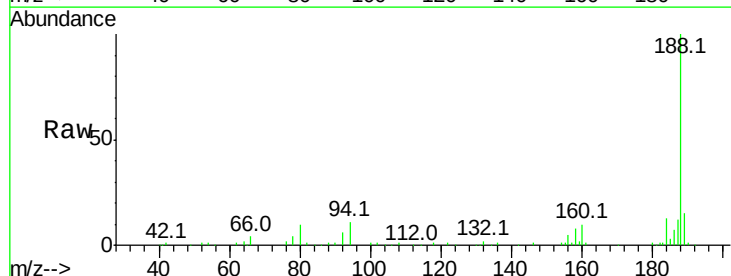


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

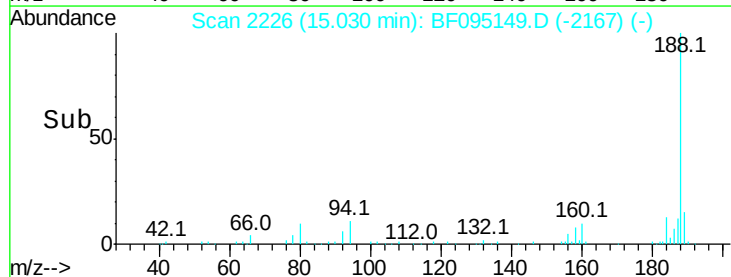
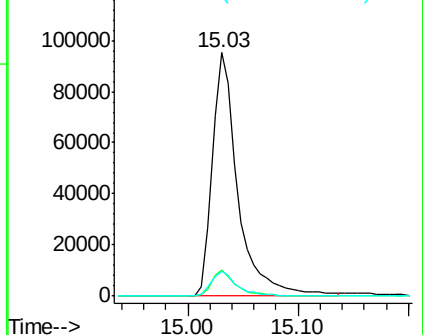


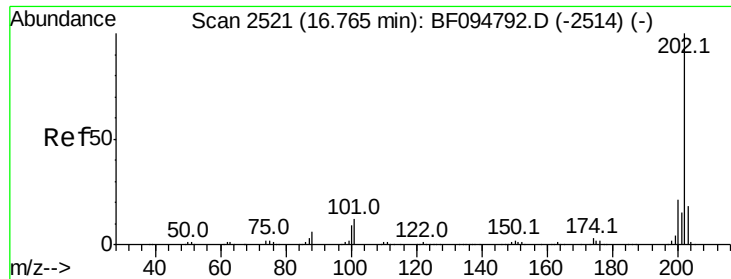
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.03 min Scan# 2226
 Delta R.T. 0.05 min
 Lab File: BF095149.D
 Acq: 16 May 2017 4:52

Tgt Ion:188 Resp: 152313
 Ion Ratio Lower Upper
 188 100
 94 10.8 9.4 14.2
 80 10.3 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

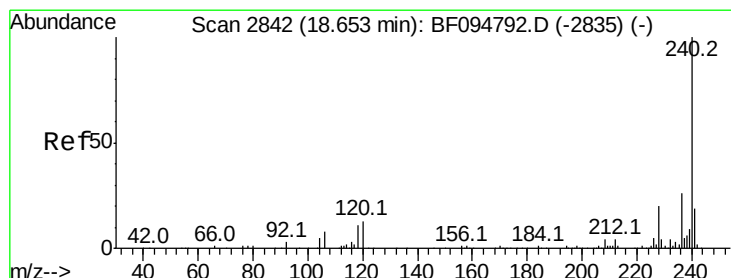
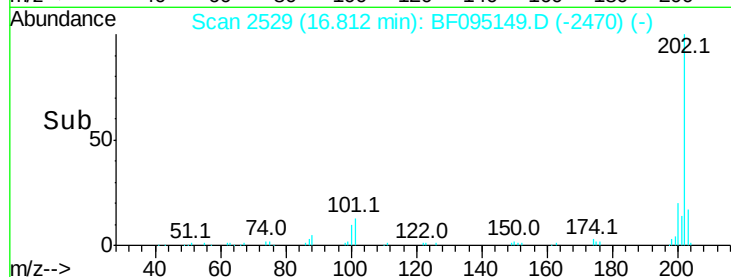
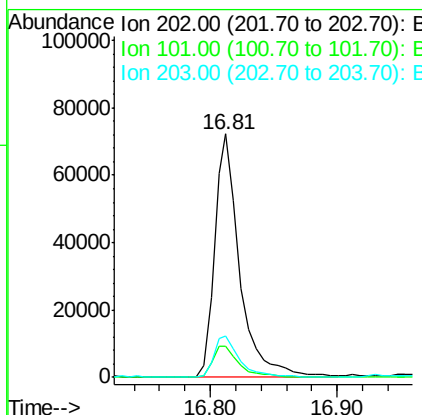
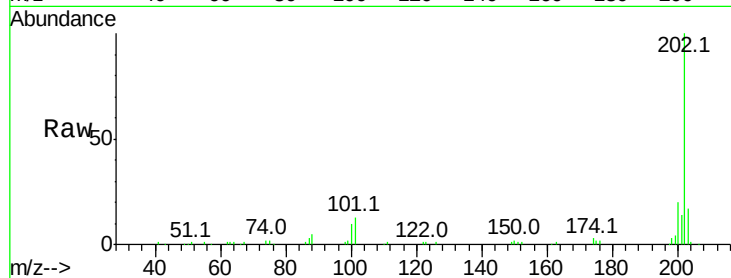




#74
 Fluoranthene
 Concen: 11.17 ng
 RT: 16.81 min Scan# 2529
 Delta R.T. 0.05 min
 Lab File: BF095149.D
 Acq: 16 May 2017 4:52

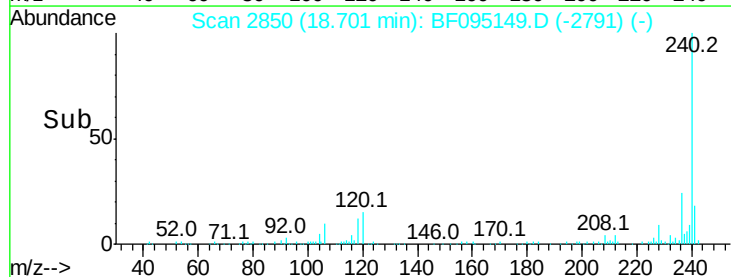
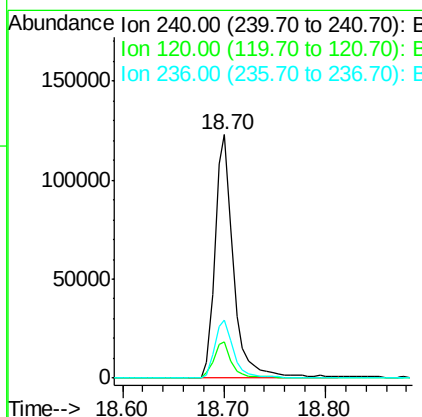
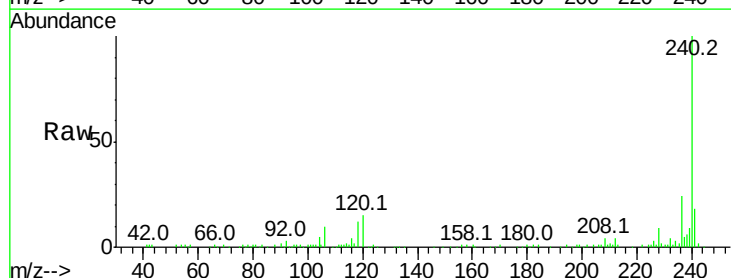
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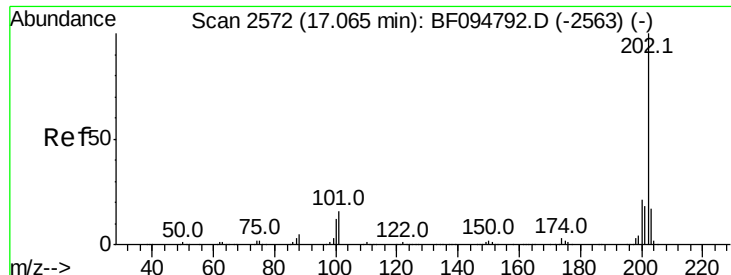
Tot Ion:202 Resp: 100314
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 33.2
 203 17.2 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.70 min Scan# 2850
 Delta R.T. 0.05 min
 Lab File: BF095149.D
 Acq: 16 May 2017 4:52

Tgt Ion:240 Resp: 156193
 Ion Ratio Lower Upper
 240 100
 120 14.9 5.8 8.8#
 236 23.8 20.5 30.7

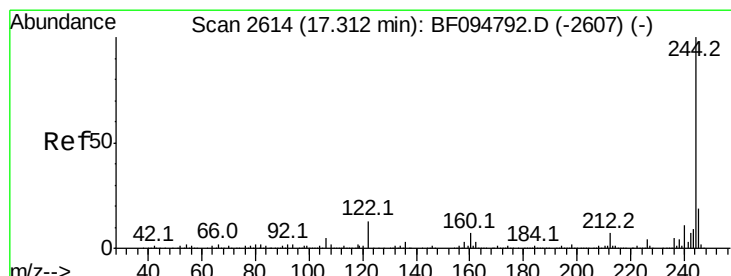
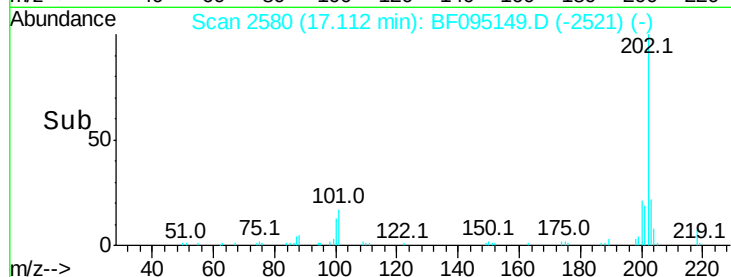
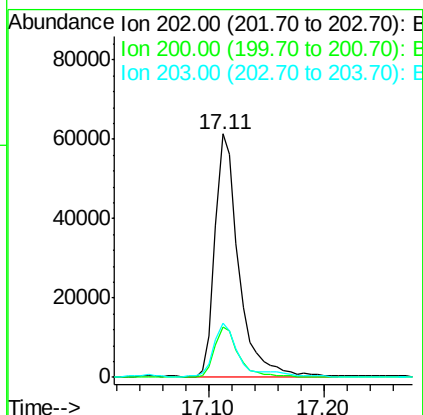
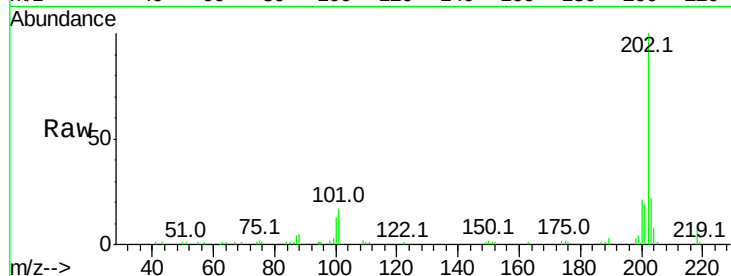




#77
Pvrene
Concen: 7.60 ng
RT: 17.11 min Scan# 2580
Delta R.T. 0.05 min
Lab File: BF095149.D
Acq: 16 May 2017 4:52

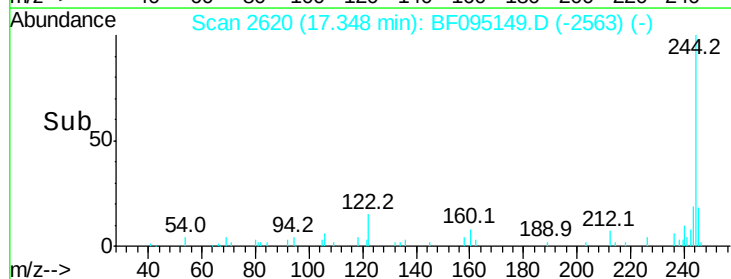
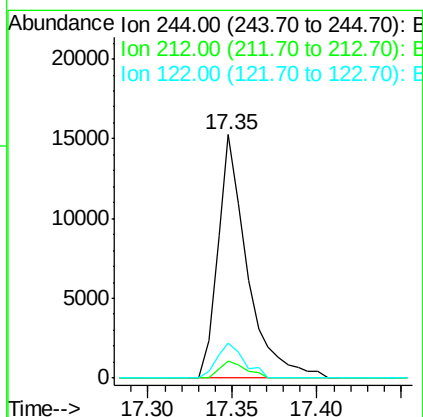
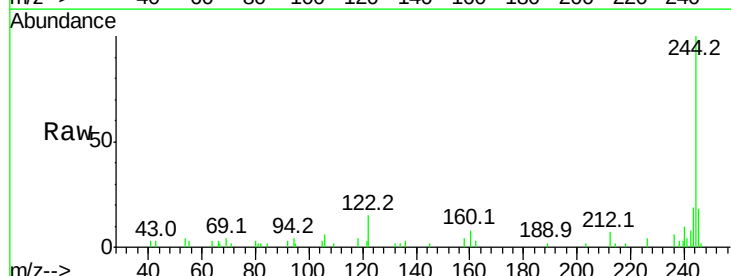
Instrument :
BNA_F
ClientSampleId :

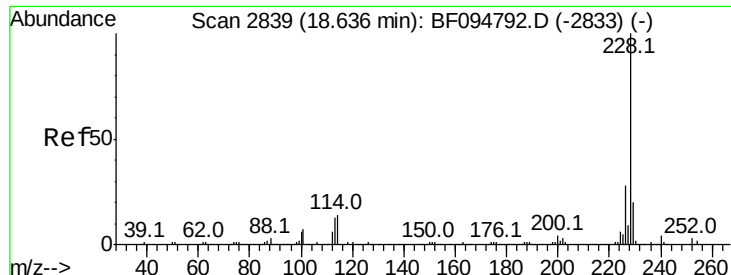
Tot Ion:202 Resp: 88725
Ion Ratio Lower Upper
202 100
200 20.9 17.6 26.4
203 22.5 14.4 21.6#



#78
Terphenyl-d14
Concen: 2.60 ng
RT: 17.35 min Scan# 2620
Delta R.T. 0.04 min
Lab File: BF095149.D
Acq: 16 May 2017 4:52

Tgt Ion:244 Resp: 18467
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 14.5 10.3 15.5





#80

Benzo(a)anthracene

Concen: 4.20 ng

RT: 18.69 min Scan# 2848

Delta R.T. 0.05 min

Lab File: BF095149.D

Acq: 16 May 2017 4:52

Instrument :

BNA_F

ClientSampleId :

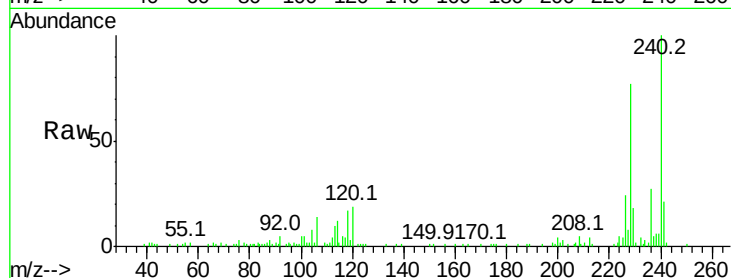
Tot Ion:228 Resp: 38150

Ion Ratio Lower Upper

228 100

226 30.9 22.6 33.8

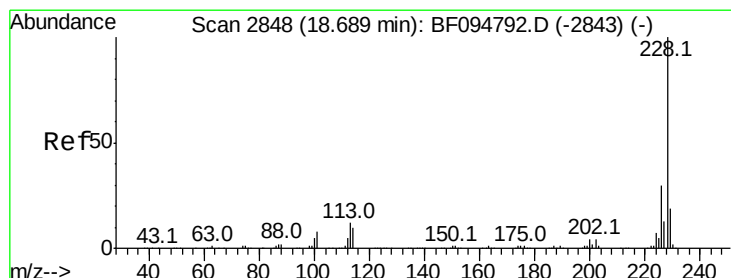
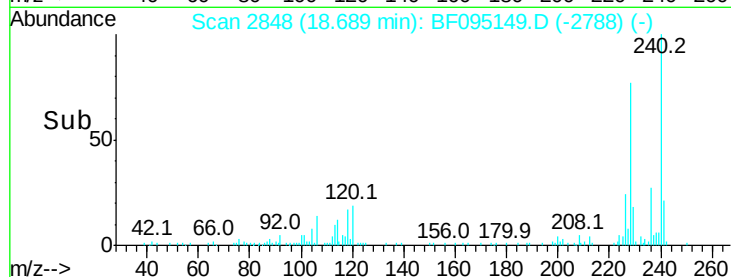
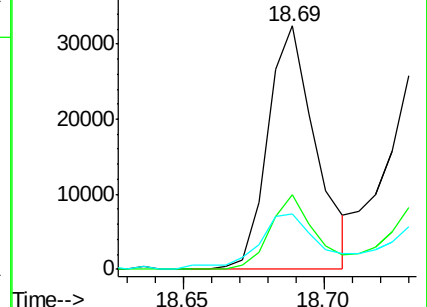
229 22.9 16.3 24.5



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: 5.00 ng

RT: 18.74 min Scan# 2856

Delta R.T. 0.05 min

Lab File: BF095149.D

Acq: 16 May 2017 4:52

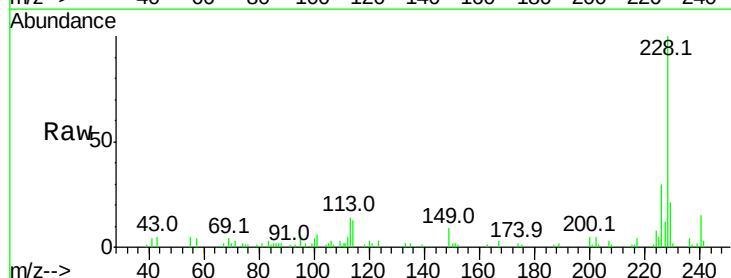
Tgt Ion:228 Resp: 43955

Ion Ratio Lower Upper

228 100

226 30.2 24.9 37.3

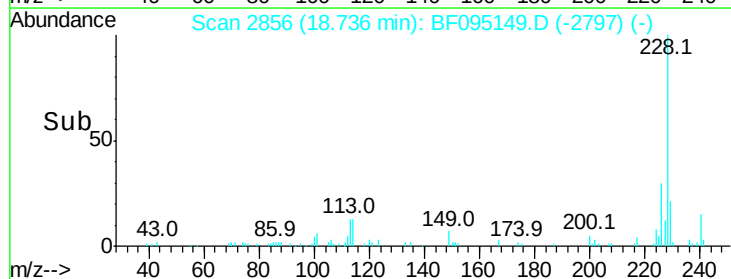
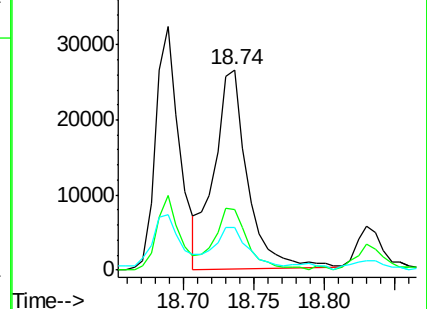
229 21.3 15.8 23.6

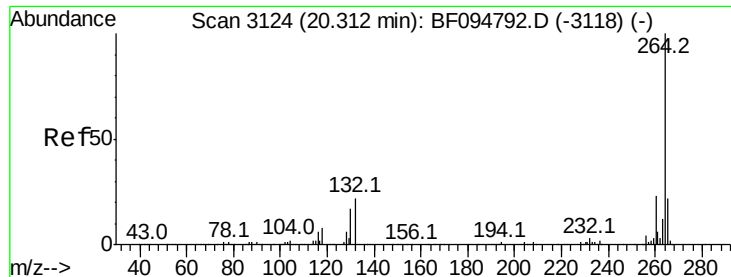


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

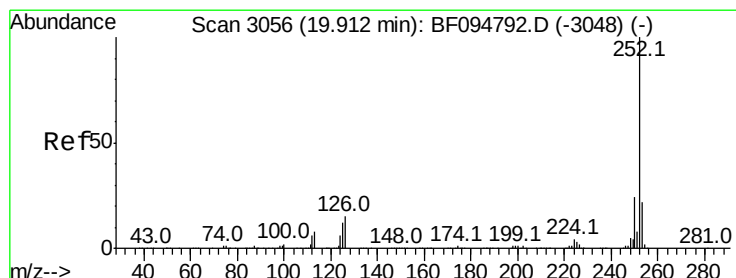
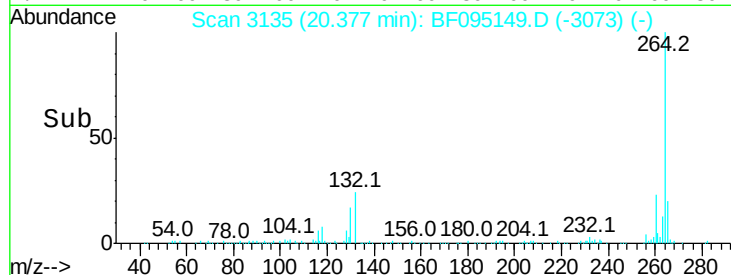
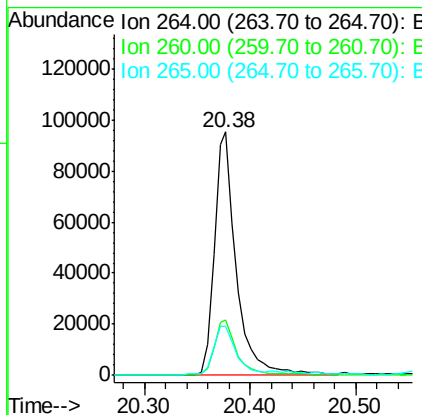
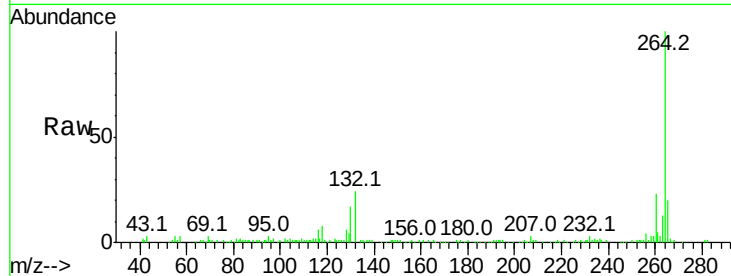




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.38 min Scan# 3135
Delta R.T. 0.06 min
Lab File: BF095149.D
Acq: 16 May 2017 4:52

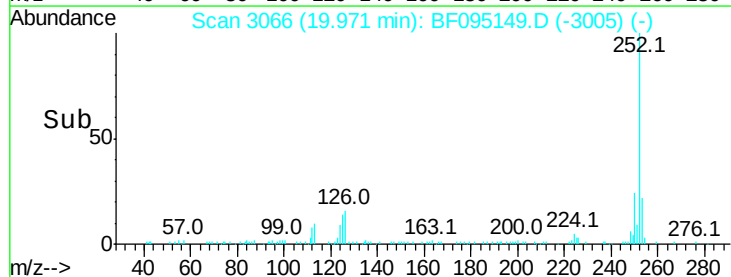
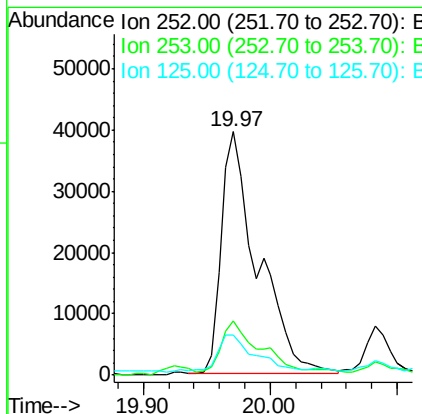
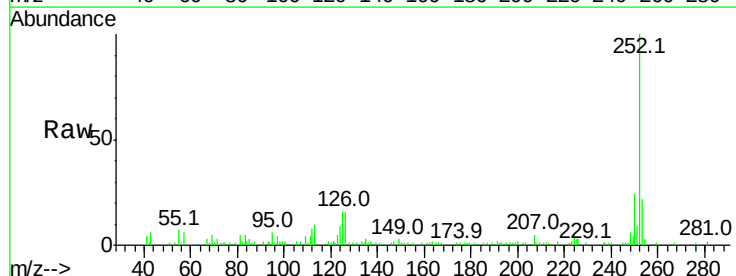
Instrument :
BNA_F
ClientSampleId :

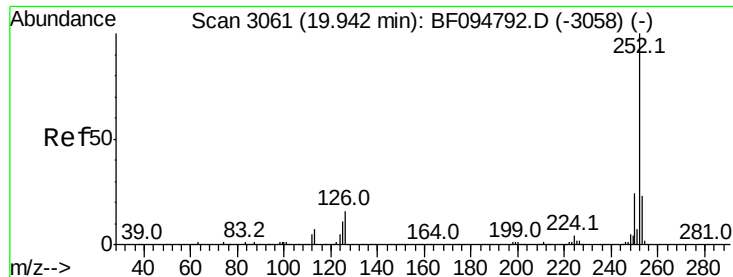
Tot Ion:264 Resp: 138763
Ion Ratio Lower Upper
264 100
260 22.7 19.5 29.3
265 20.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 9.18 ng
RT: 19.97 min Scan# 3066
Delta R.T. 0.06 min
Lab File: BF095149.D
Acq: 16 May 2017 4:52

Tgt Ion:252 Resp: 78705
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 16.2 9.8 14.8#

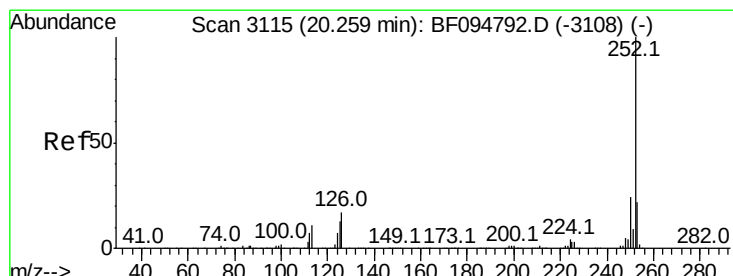
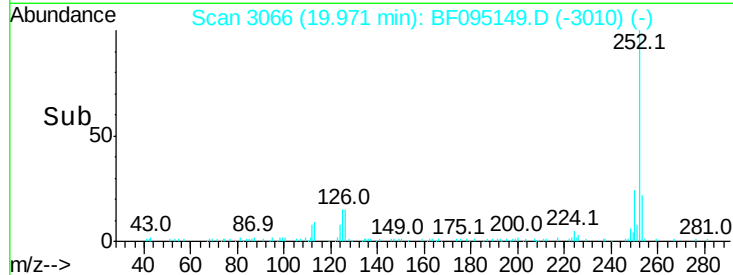
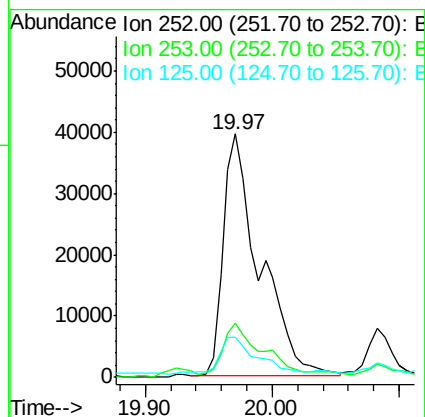
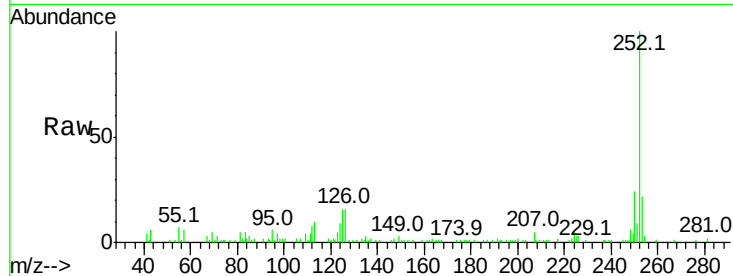




#88
Benzo(k)fluoranthene
Concen: 9.52 ng
RT: 19.97 min Scan# 3066
Delta R.T. 0.03 min
Lab File: BF095149.D
Acq: 16 May 2017 4:52

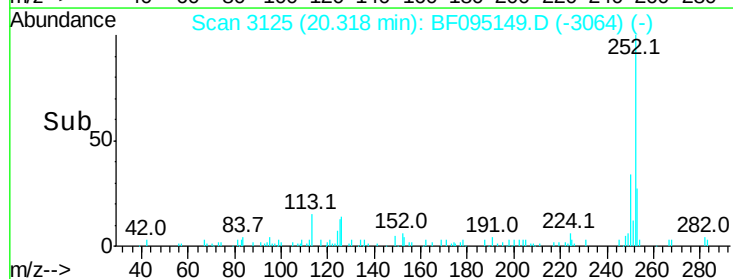
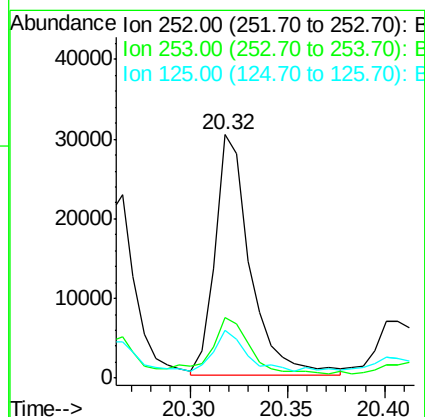
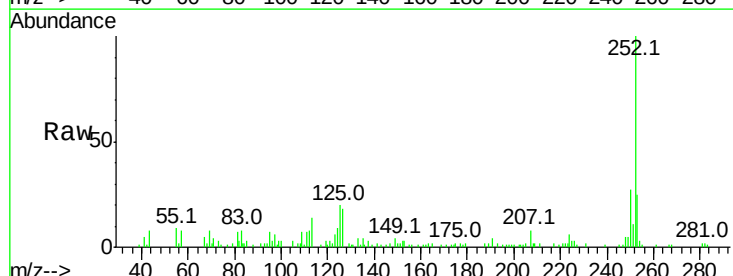
Instrument :
BNA_F
ClientSampleId :

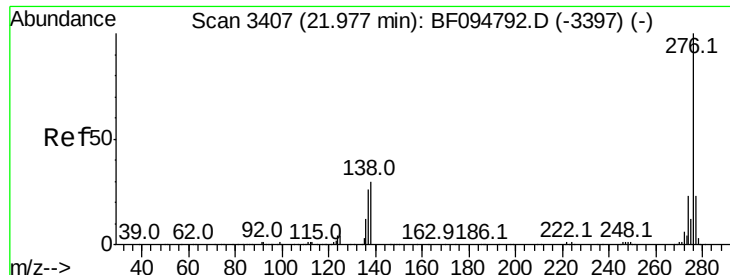
Tot Ion:252 Resp: 78705
Ion Ratio Lower Upper
252 100
253 22.2 18.4 27.6
125 16.2 13.1 19.7



#89
Benzo(a)pyrene
Concen: 4.79 ng
RT: 20.32 min Scan# 3125
Delta R.T. 0.06 min
Lab File: BF095149.D
Acq: 16 May 2017 4:52

Tgt Ion:252 Resp: 37923
Ion Ratio Lower Upper
252 100
253 24.8 17.5 26.3
125 19.7 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 2.93 ng

RT: 22.11 min Scan# 3430

Delta R.T. 0.14 min

Lab File: BF095149.D

Acq: 16 May 2017 4:52

Instrument :

BNA_F

ClientSampleId :

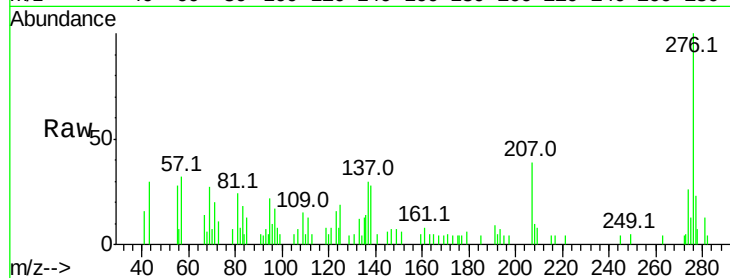
Tot Ion: 276 Resp: 18812

Ion Ratio Lower Upper

276 100

277 23.4 18.6 28.0

138 28.0 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

