

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
 Data File : BF095413.D
 Acq On : 25 May 2017 7:45
 Operator : SJ/MA
 Sample : I3300-04 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 25 08:15:59 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

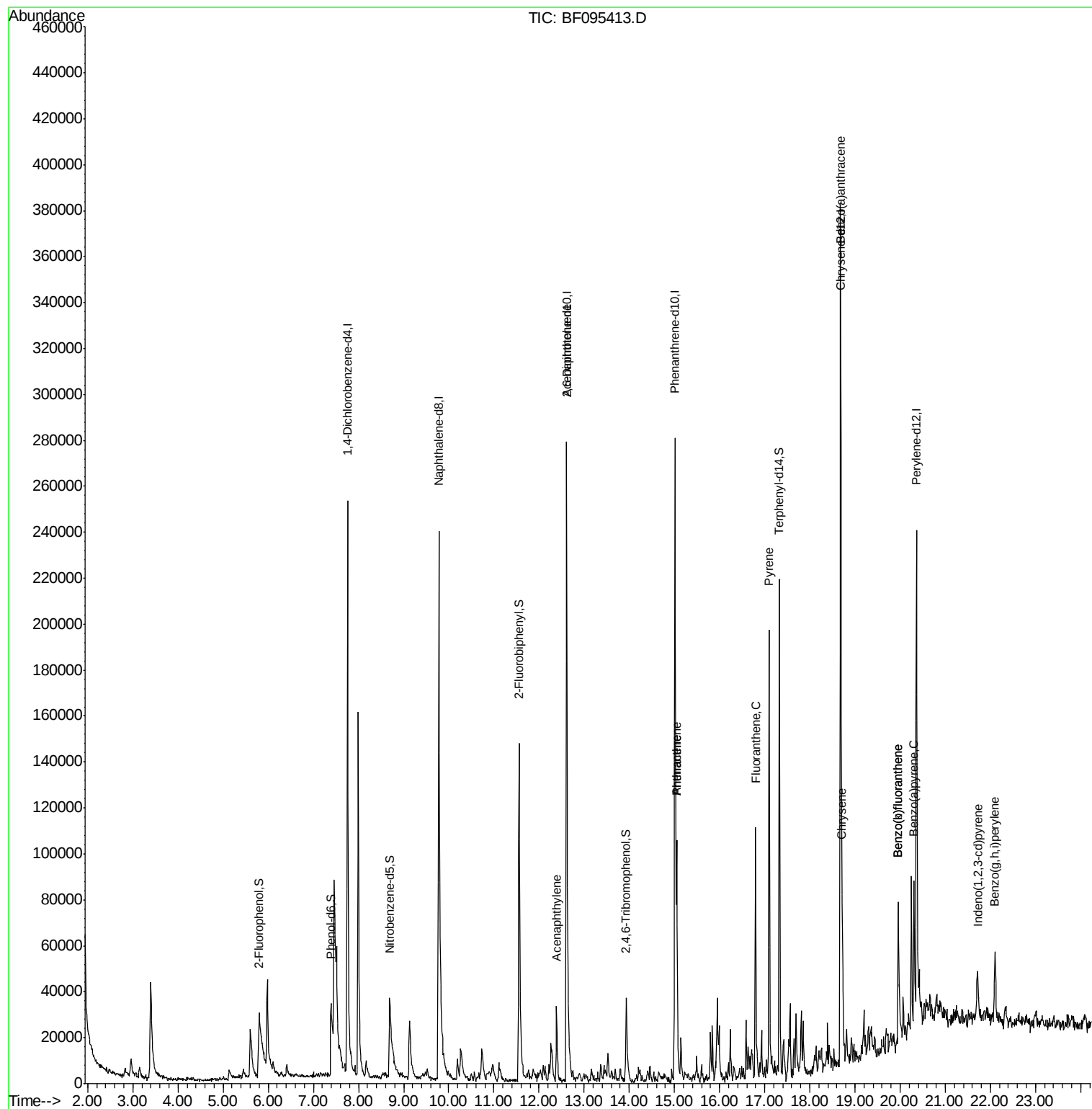
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	75346	20.00	ng	-0.01
21) Naphthalene-d8	9.78	136	284195	20.00	ng	0.00
38) Acenaphthene-d10	12.61	164	109570	20.00	ng	-0.01
63) Phenanthrene-d10	15.01	188	187494	20.00	ng	-0.01
75) Chrysene-d12	18.68	240	170802	20.00	ng	-0.01
86) Perylene-d12	20.37	264	113107	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.80	112	57947	12.82	ng	0.06
7) Phenol-d6	7.40	99	72338	13.34	ng	0.08
23) Nitrobenzene-d5	8.69	82	54234	12.03	ng	0.02
41) 2,4,6-Tribromophenol	13.93	330	11214	12.50	ng	0.01
44) 2-Fluorobiphenyl	11.55	172	117390	15.42	ng	0.00
78) Terphenyl-d14	17.32	244	88204	11.37	ng	-0.02
Target Compounds						Qvalue
48) Acenaphthylene	12.39	152	28824	2.47	ng	99
50) 2,6-Dinitrotoluene	12.61	165	11144	6.07	ng	# 31
70) Phenanthrene	15.05	178	66924	6.21	ng	98
71) Anthracene	15.05	178	66924	6.08	ng	98
74) Fluoranthene	16.79	202	67744	6.13	ng	98
77) Pyrene	17.09	202	114940	9.00	ng	97
80) Benzo(a)anthracene	18.67	228	30864	3.10	ng	# 86
82) Chrysene	18.72	228	35283	3.67	ng	95
85) Indeno(1,2,3-cd)pyrene	21.71	276	19271	2.47	ng	94
87) Benzo(b)fluoranthene	19.96	252	45586	6.52	ng	# 95
88) Benzo(k)fluoranthene	19.96	252	45586	6.76	ng	96
89) Benzo(a)pyrene	20.31	252	32022	4.97	ng	97
91) Benzo(a,h,i)perylene	22.11	276	26253	5.02	ng	# 93

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

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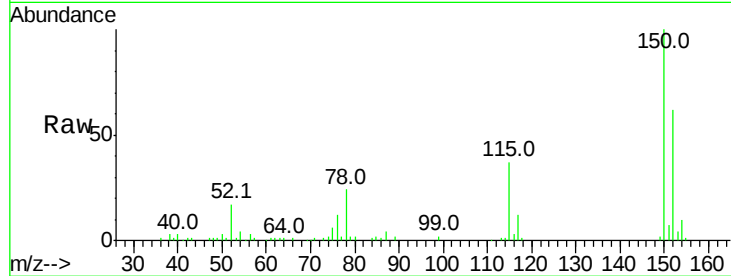


#1

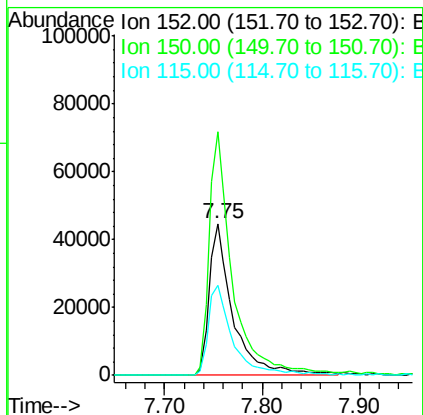
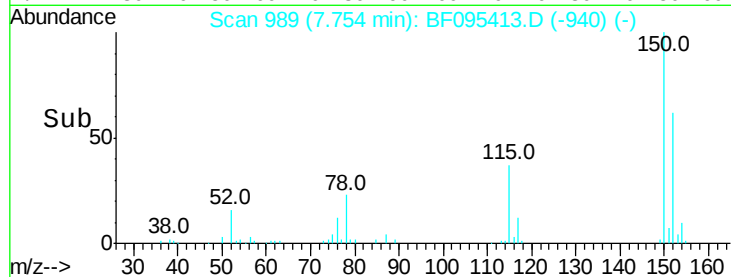
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.75 min Scan# 989
Delta R.T. -0.01 min
Lab File: BF095413.D
Acq: 25 May 2017 7:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 75346
Ion Ratio Lower Upper
152 100
150 160.7 126.2 189.2
115 59.3 52.2 78.2



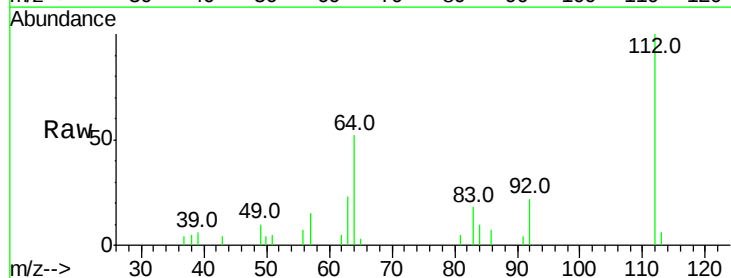
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



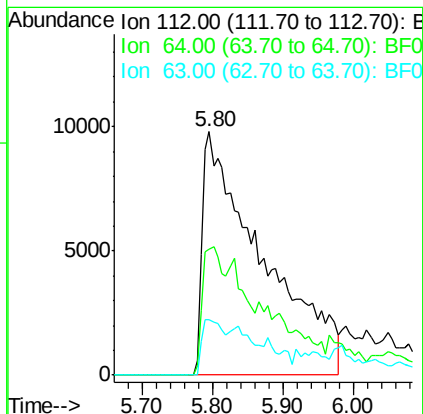
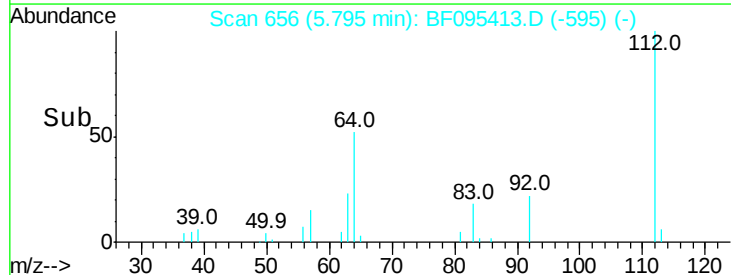
#5

2-Fluorophenol
Concen: 12.82 ng
RT: 5.80 min Scan# 656
Delta R.T. 0.06 min
Lab File: BF095413.D
Acq: 25 May 2017 7:45

Tgt Ion:112 Resp: 57947
Ion Ratio Lower Upper
112 100
64 51.7 46.0 69.0
63 23.0 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: 13.34 ng

RT: 7.40 min Scan# 928

Delta R.T. 0.08 min

Lab File: BF095413.D

Acq: 25 May 2017 7:45

Instrument :

BNA_F

ClientSampleId :

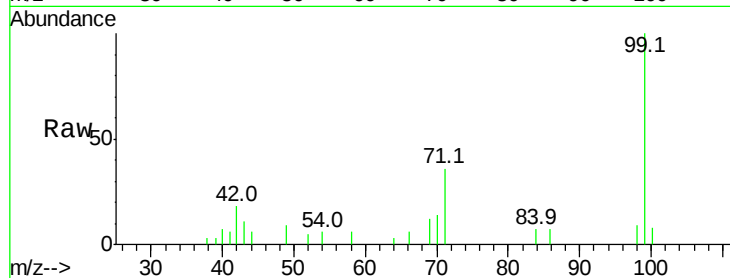
Tot Ion: 99 Resp: 72338

Ion Ratio Lower Upper

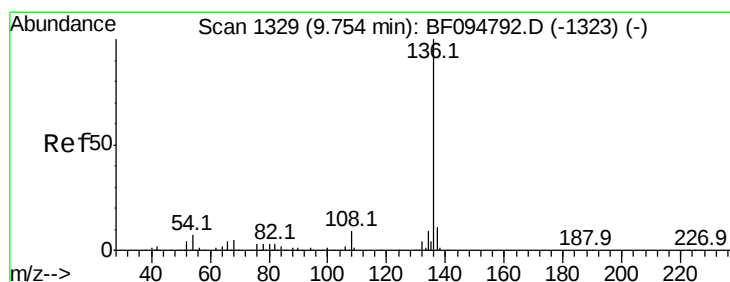
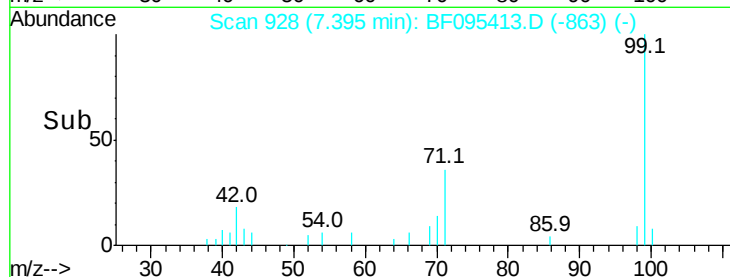
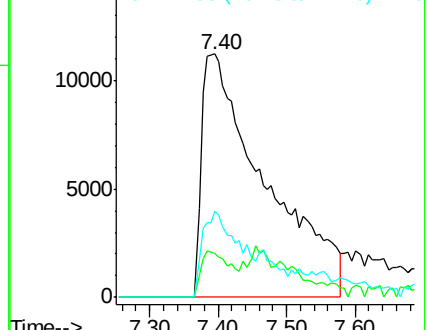
99 100

42 18.0 13.5 20.3

71 35.5 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: 9.78 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF095413.D

Acq: 25 May 2017 7:45

Tgt Ion: 136 Resp: 284195

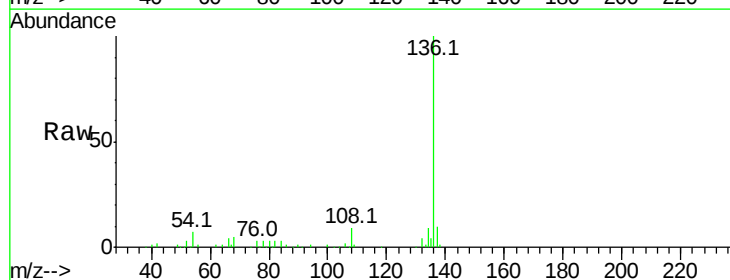
Ion Ratio Lower Upper

136 100

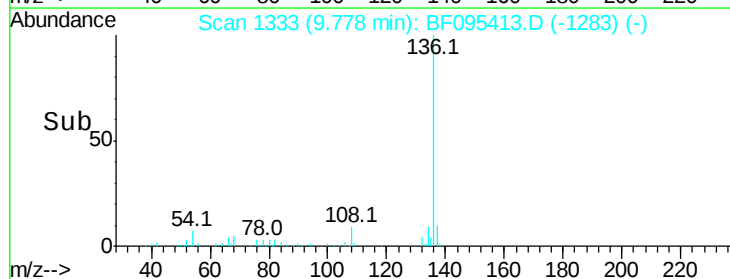
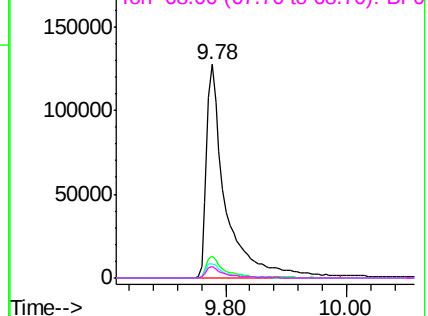
137 10.4 8.5 12.7

54 6.9 4.9 7.3

68 5.2 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

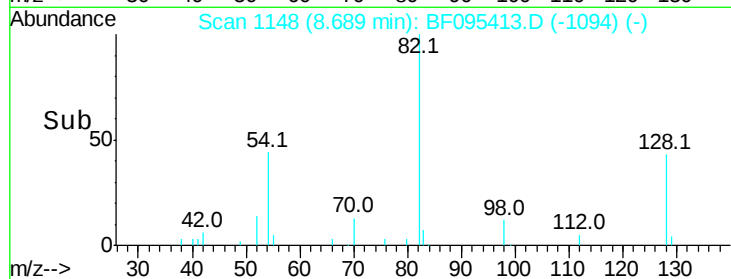
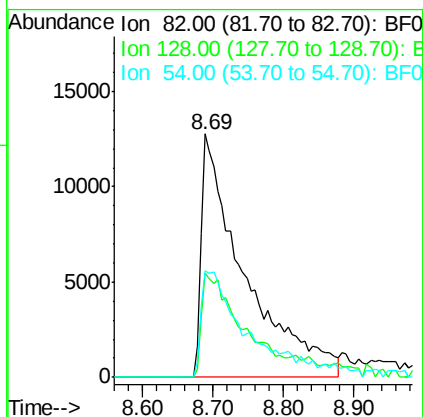
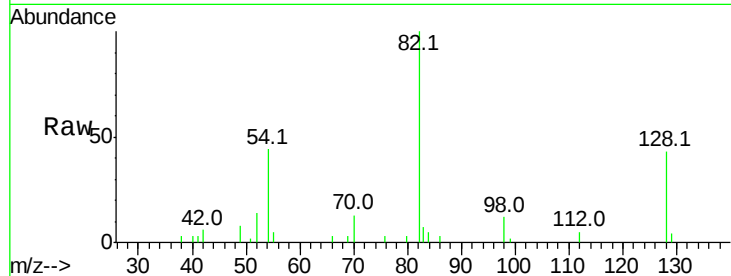




#23
 Nitrobenzene-d5
 Concen: 12.03 ng
 RT: 8.69 min Scan# 1148
 Delta R.T. 0.02 min
 Lab File: BF095413.D
 Acq: 25 May 2017 7:45

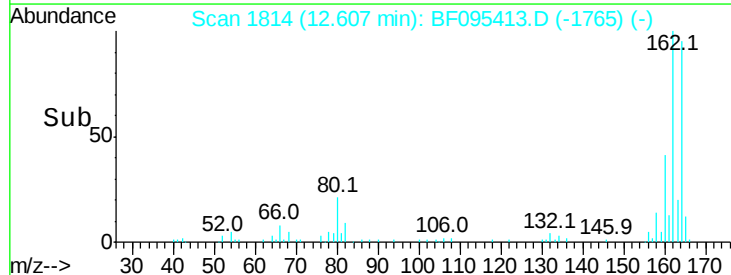
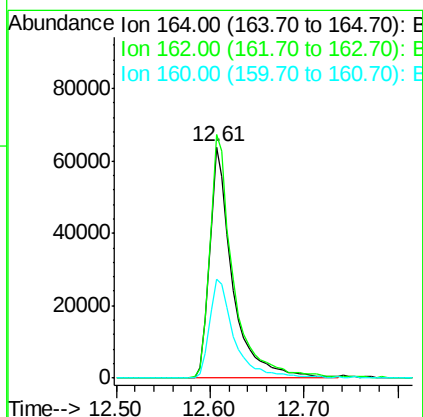
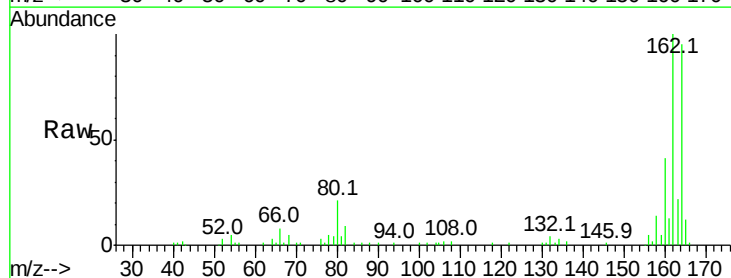
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 54234
 Ion Ratio Lower Upper
 82 100
 128 42.7 34.0 51.0
 54 43.8 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: BF095413.D
 Acq: 25 May 2017 7:45

Tgt Ion:164 Resp: 109570
 Ion Ratio Lower Upper
 164 100
 162 105.4 82.6 123.8
 160 42.8 36.2 54.2

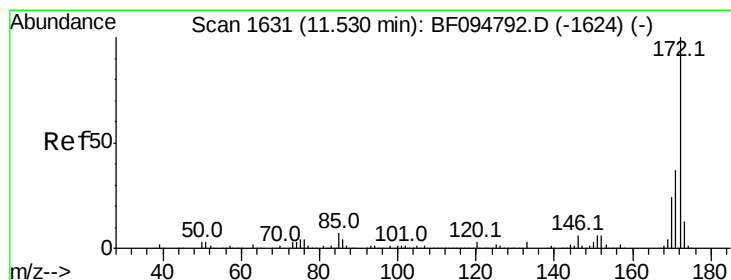
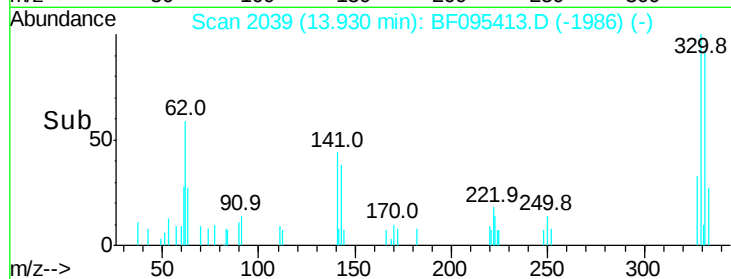
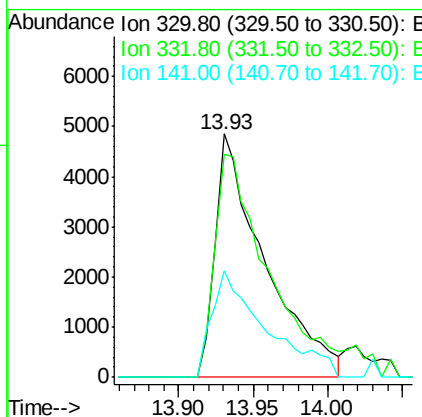
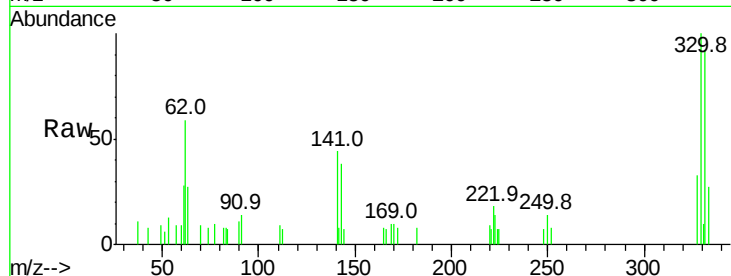




#41
 2,4,6-Tribromophenol
 Concen: 12.50 ng
 RT: 13.93 min Scan# 2039
 Delta R.T. 0.01 min
 Lab File: BF095413.D
 Acq: 25 May 2017 7:45

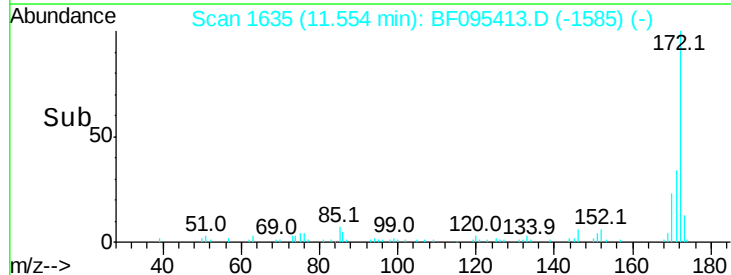
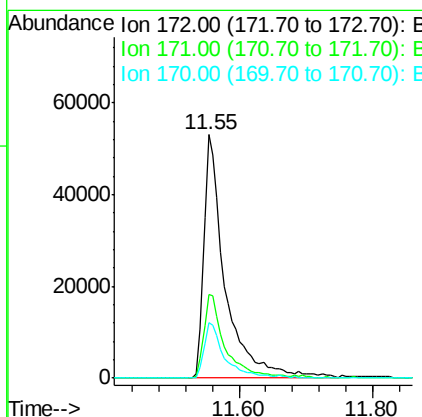
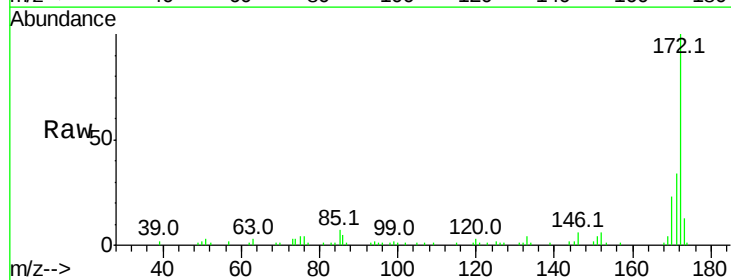
Instrument :
 BNA_F
 ClientSampleId :

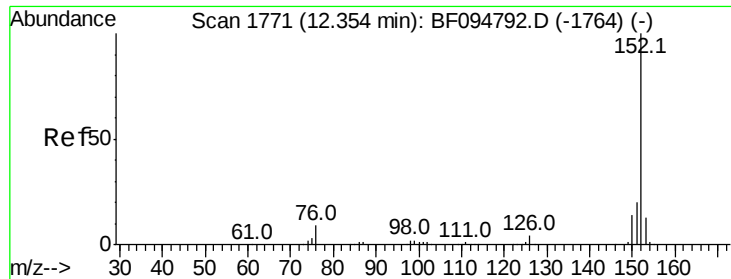
Tot Ion:330 Resp: 11214
 Ion Ratio Lower Upper
 330 100
 332 106.9 76.6 115.0
 141 47.4 31.4 47.2#



#44
 2-Fluorobiphenyl
 Concen: 15.42 ng
 RT: 11.55 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF095413.D
 Acq: 25 May 2017 7:45

Tgt Ion:172 Resp: 117390
 Ion Ratio Lower Upper
 172 100
 171 34.1 29.6 44.4
 170 22.9 19.8 29.8





#48

Acenaphthylene

Concen: 2.47 ng

RT: 12.39 min Scan# 1777

Delta R.T. 0.00 min

Lab File: BF095413.D

Acq: 25 May 2017 7:45

Instrument :

BNA_F

ClientSampleId :

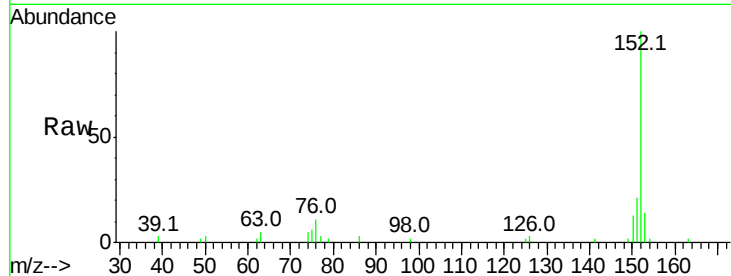
Tot Ion:152 Resp: 28824

Ion Ratio Lower Upper

152 100

151 20.6 16.8 25.2

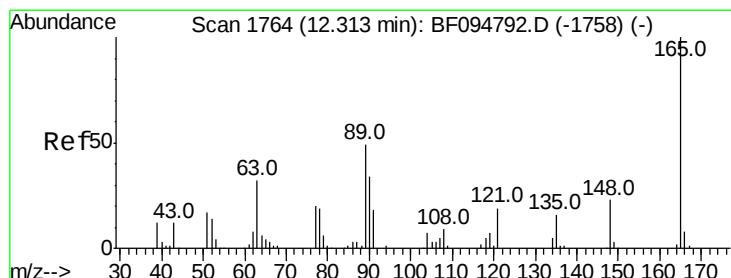
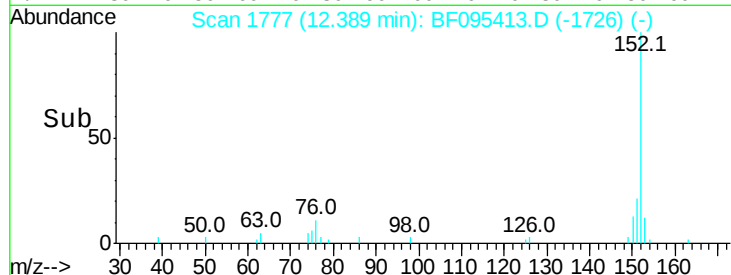
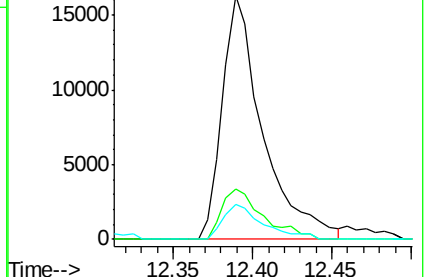
153 14.2 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

2,6-Dinitrotoluene

Concen: 6.07 ng

RT: 12.61 min Scan# 1814

Delta R.T. 0.25 min

Lab File: BF095413.D

Acq: 25 May 2017 7:45

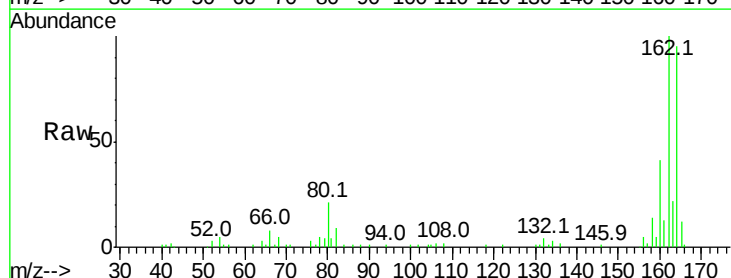
Tgt Ion:165 Resp: 11144

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

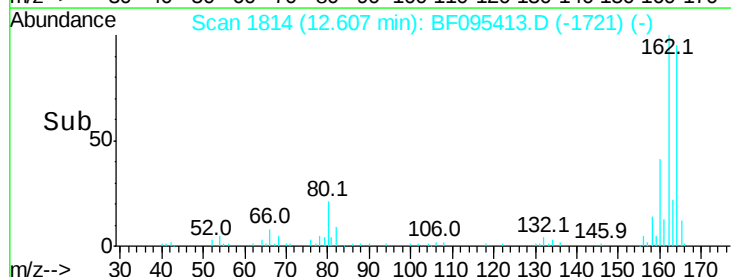
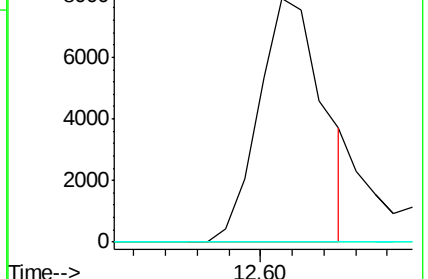
89 0.0 37.1 55.7#



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

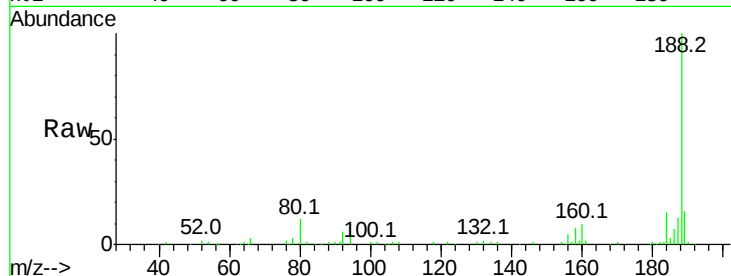




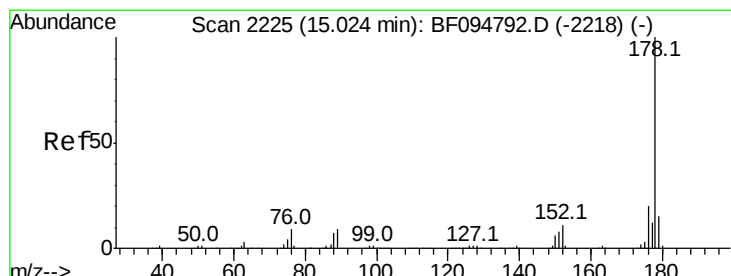
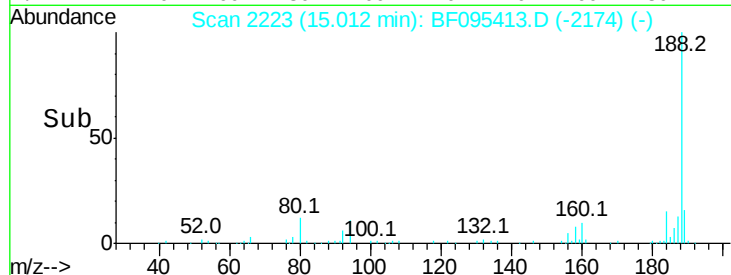
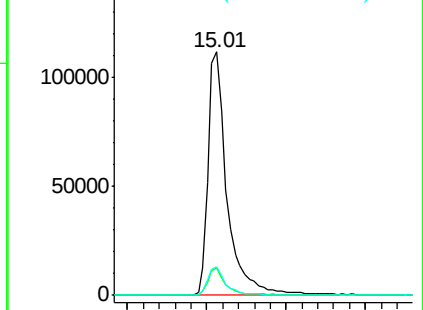
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.01 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BF095413.D
 Acq: 25 May 2017 7:45

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:188 Resp: 187494
 Ion Ratio Lower Upper
 188 100
 94 11.1 9.4 14.2
 80 11.6 10.2 15.2

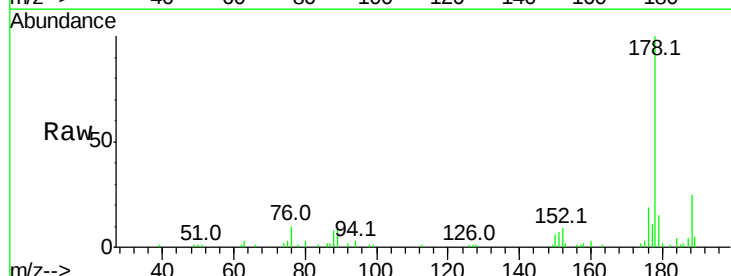


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

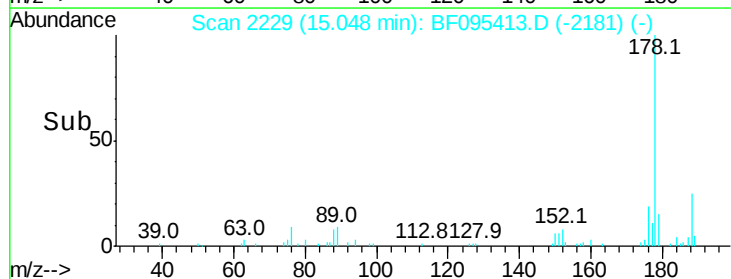
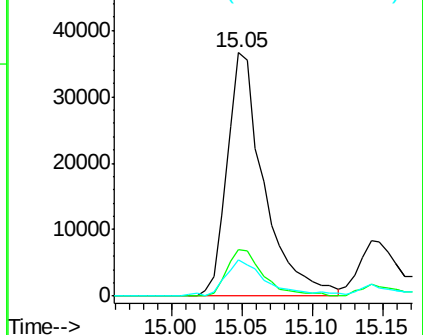


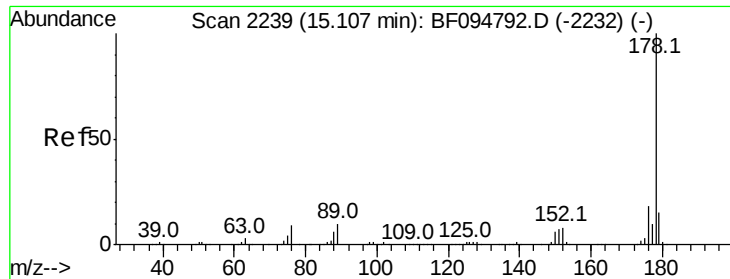
#70
 Phenanthrene
 Concen: 6.21 ng
 RT: 15.05 min Scan# 2229
 Delta R.T. -0.02 min
 Lab File: BF095413.D
 Acq: 25 May 2017 7:45

Tgt Ion:178 Resp: 66924
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.2 24.4
 179 15.0 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

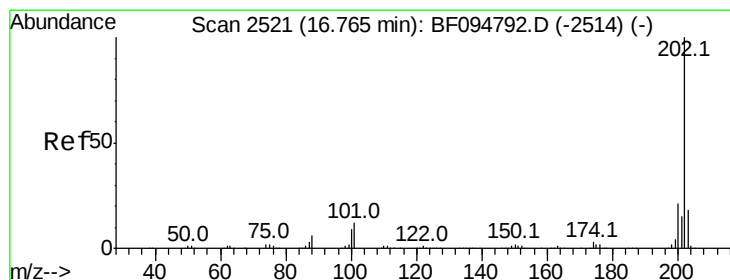
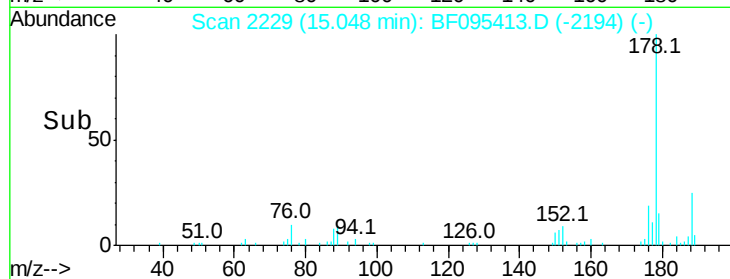
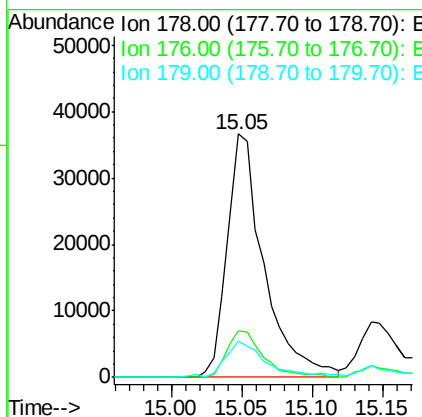
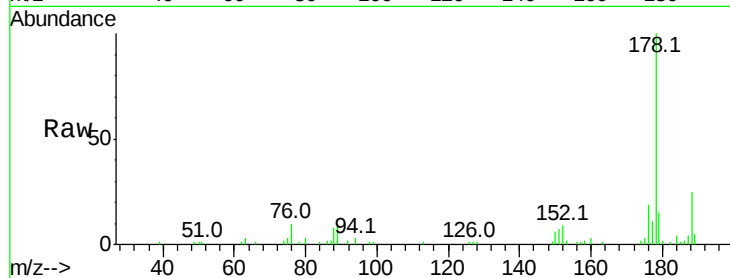




#71
 Anthracene
 Concen: 6.08 ng
 RT: 15.05 min Scan# 2229
 Delta R.T. -0.09 min
 Lab File: BF095413.D
 Acq: 25 May 2017 7:45

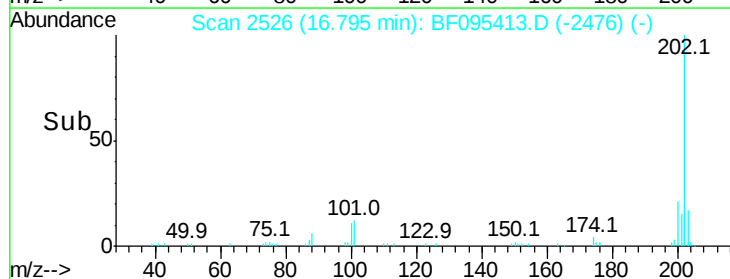
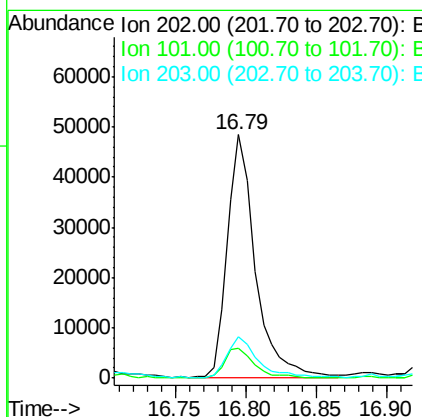
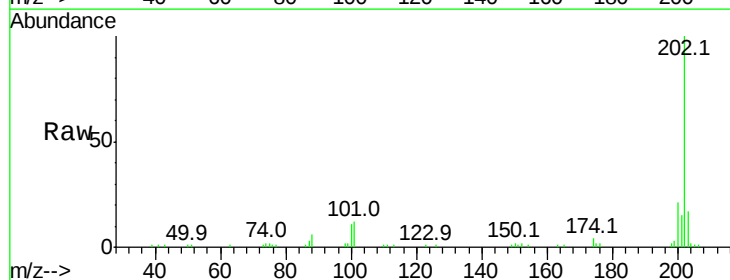
Instrument :
 BNA_F
 ClientSampled :

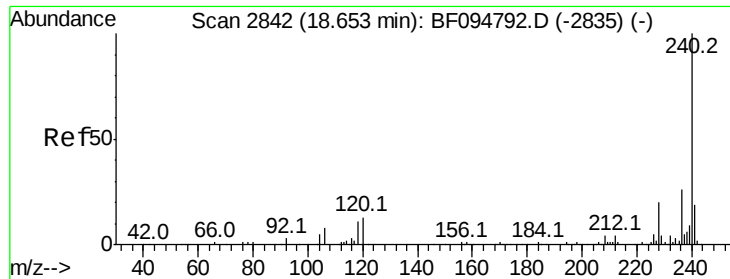
Tot Ion:178 Resp: 66924
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.8 23.8
 179 15.0 12.7 19.1



#74
 Fluoranthene
 Concen: 6.13 ng
 RT: 16.79 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BF095413.D
 Acq: 25 May 2017 7:45

Tgt Ion:202 Resp: 67744
 Ion Ratio Lower Upper
 202 100
 101 12.5 0.0 33.2
 203 16.9 0.0 38.1

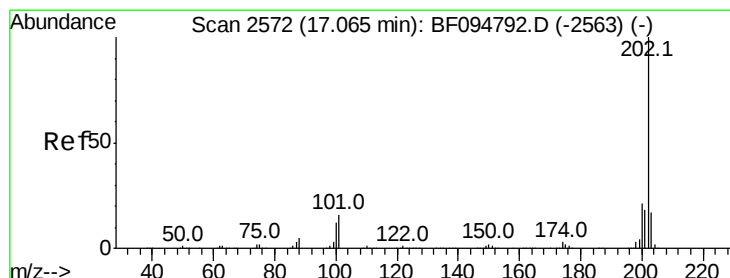
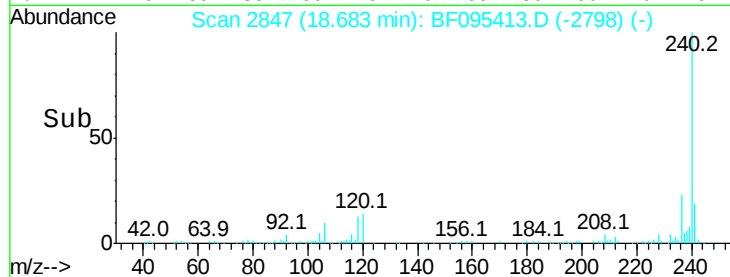
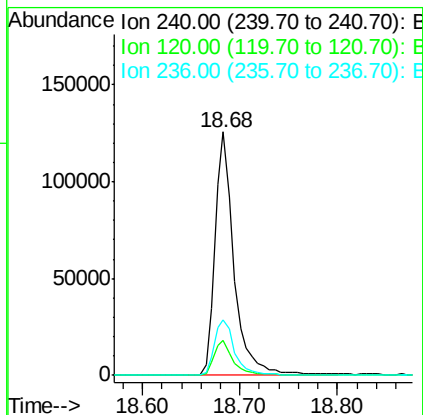
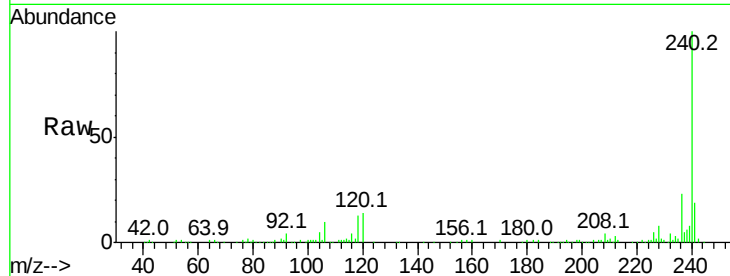




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.68 min Scan# 2847
 Delta R.T. -0.01 min
 Lab File: BF095413.D
 Acq: 25 May 2017 7:45

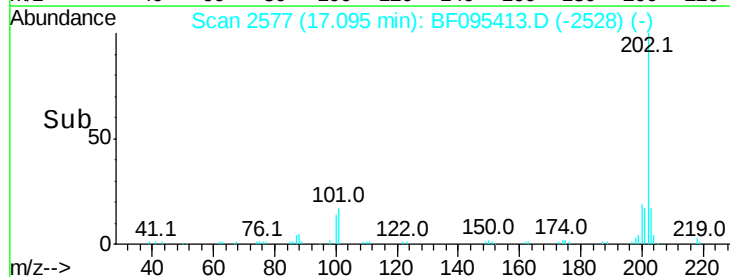
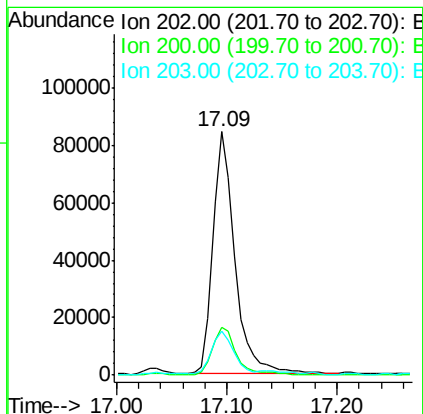
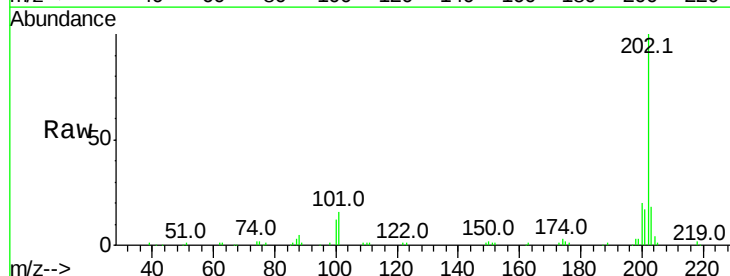
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 170802
 Ion Ratio Lower Upper
 240 100
 120 14.4 5.8 8.8#
 236 23.0 20.5 30.7



#77
 Pyrene
 Concen: 9.00 ng
 RT: 17.09 min Scan# 2577
 Delta R.T. -0.01 min
 Lab File: BF095413.D
 Acq: 25 May 2017 7:45

Tgt Ion:202 Resp: 114940
 Ion Ratio Lower Upper
 202 100
 200 19.7 17.6 26.4
 203 17.9 14.4 21.6

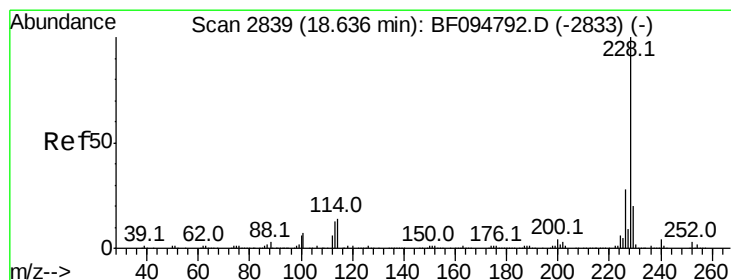
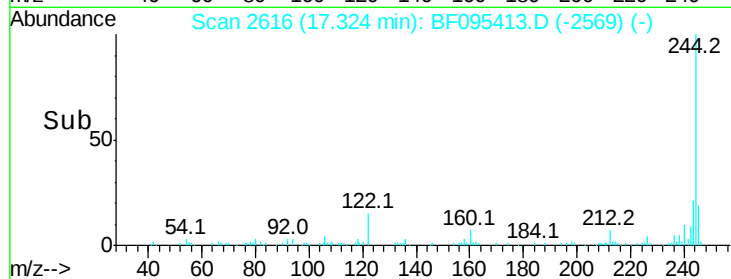
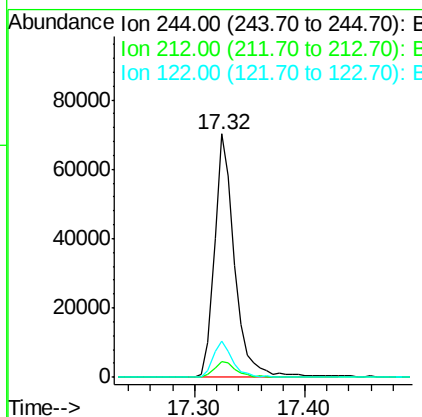
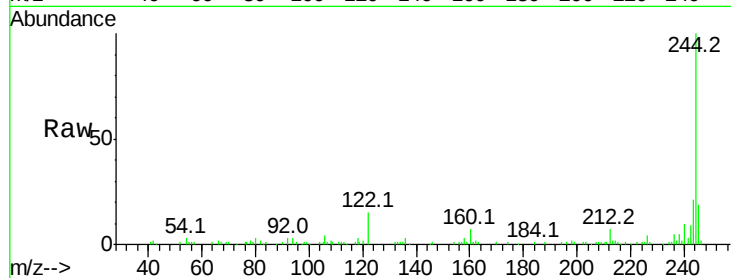




#78
 Terphenyl-d14
 Concen: 11.37 ng
 RT: 17.32 min Scan# 2616
 Delta R.T. -0.02 min
 Lab File: BF095413.D
 Acq: 25 May 2017 7:45

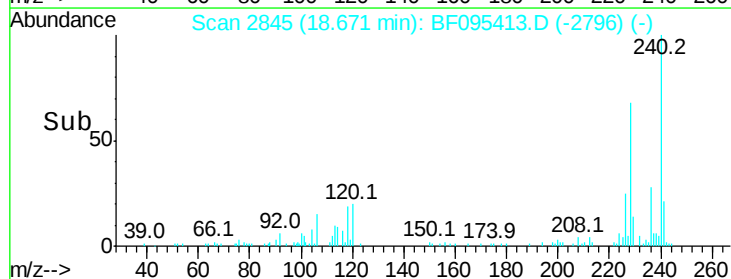
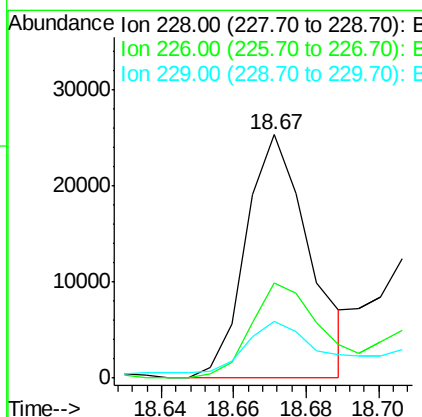
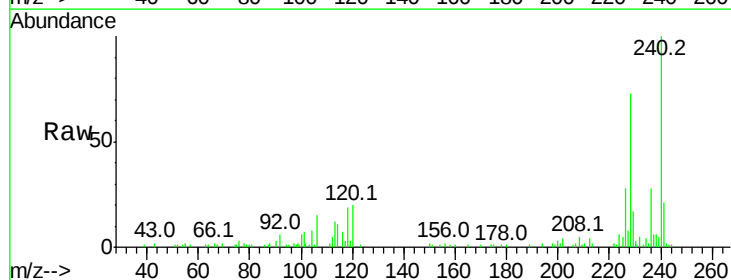
Instrument :
 BNA_F
 ClientSampleId :

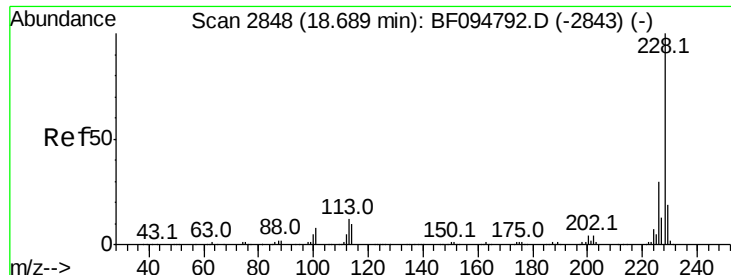
Tot Ion:244 Resp: 88204
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 14.9 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 3.10 ng
 RT: 18.67 min Scan# 2845
 Delta R.T. -0.01 min
 Lab File: BF095413.D
 Acq: 25 May 2017 7:45

Tgt Ion:228 Resp: 30864
 Ion Ratio Lower Upper
 228 100
 226 38.9 22.6 33.8#
 229 23.3 16.3 24.5





#82

Chrysene

Concen: 3.67 ng

RT: 18.72 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BF095413.D

Acq: 25 May 2017 7:45

Instrument :

BNA_F

ClientSampleId :

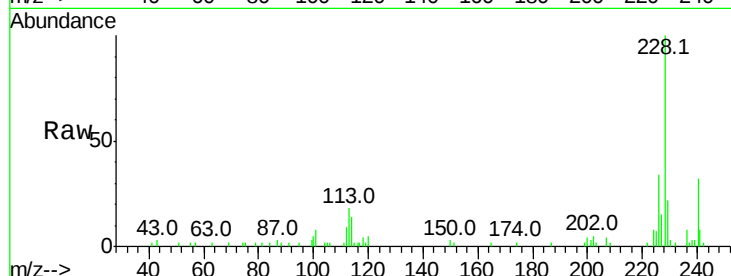
Tot Ion:228 Resp: 35283

Ion Ratio Lower Upper

228 100

226 33.9 24.9 37.3

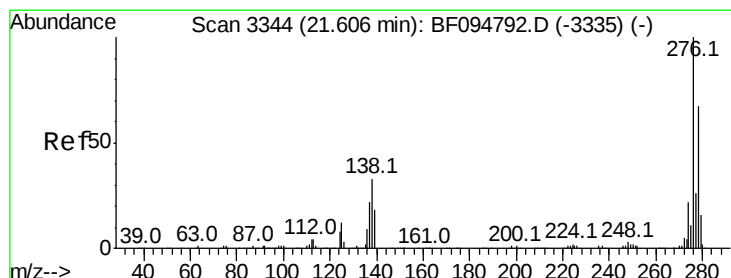
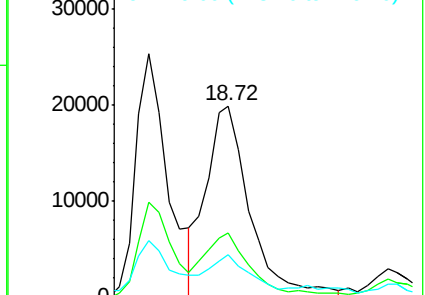
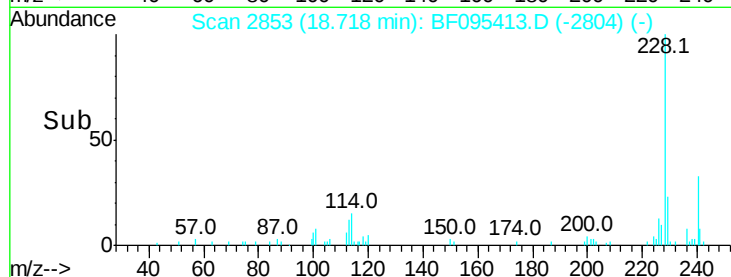
229 22.1 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.47 ng

RT: 21.71 min Scan# 3362

Delta R.T. 0.01 min

Lab File: BF095413.D

Acq: 25 May 2017 7:45

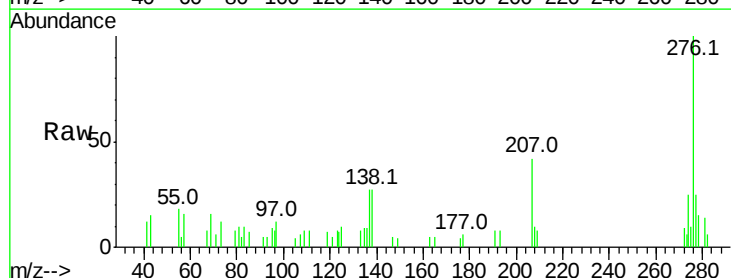
Tgt Ion:276 Resp: 19271

Ion Ratio Lower Upper

276 100

138 31.8 27.8 41.6

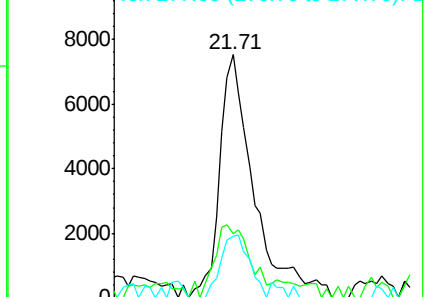
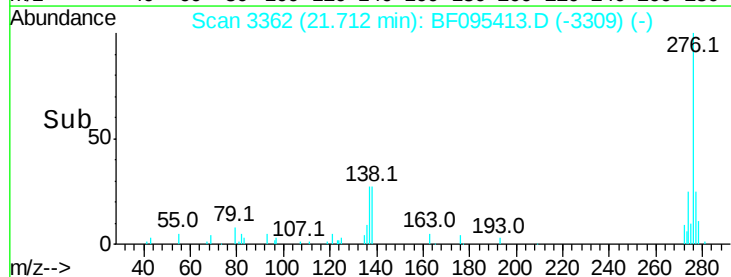
277 21.5 20.2 30.4

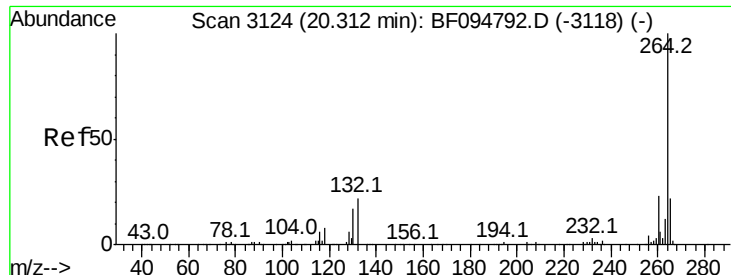


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



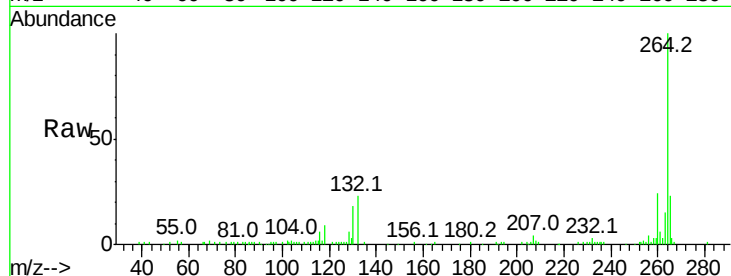


#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.37 min Scan# 3133
Delta R.T. 0.00 min
Lab File: BF095413.D
Acq: 25 May 2017 7:45

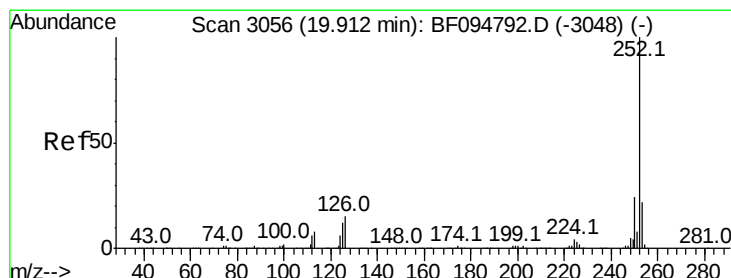
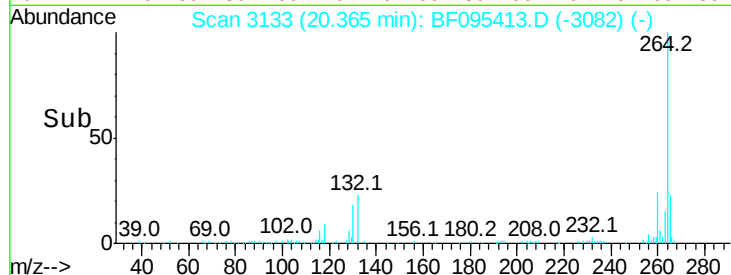
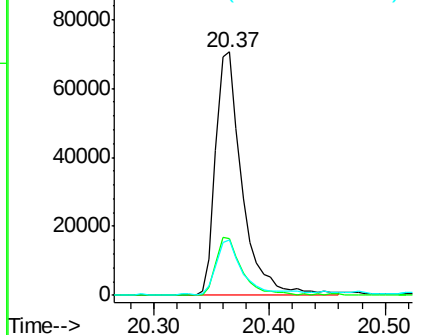
Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 113107

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	22.5	17.2	25.8



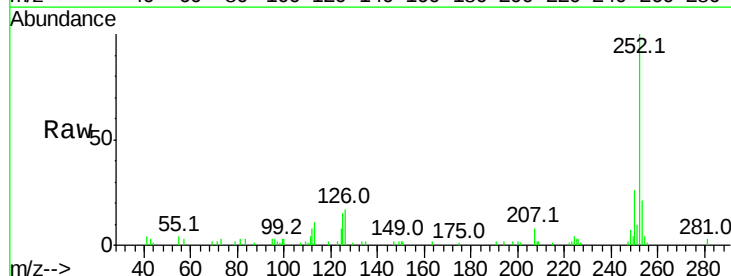
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



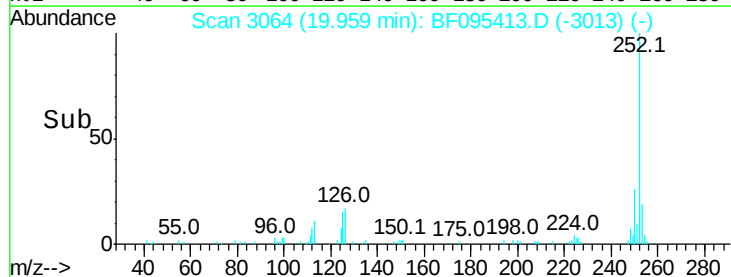
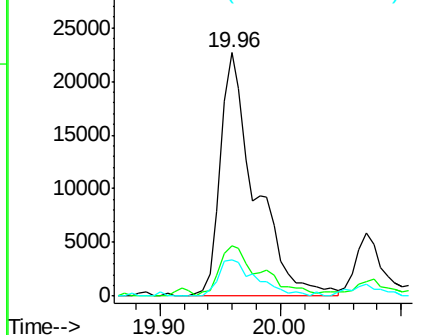
#87
Benzo(b)fluoranthene
Concen: 6.52 ng
RT: 19.96 min Scan# 3064
Delta R.T. 0.00 min
Lab File: BF095413.D
Acq: 25 May 2017 7:45

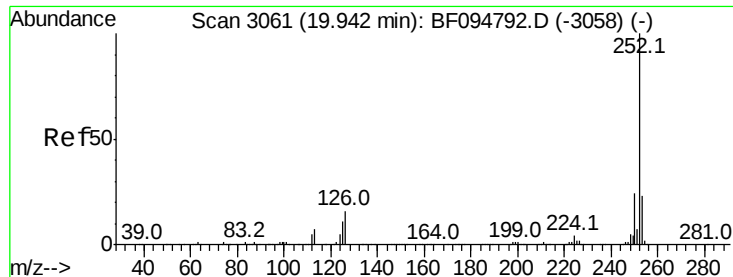
Tgt Ion:252 Resp: 45586

Ion	Ratio	Lower	Upper
252	100		
253	20.8	18.1	27.1
125	14.8	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

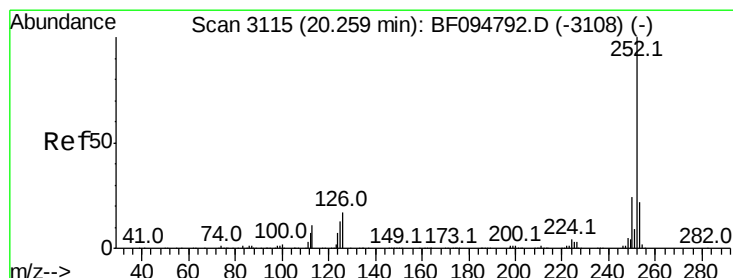
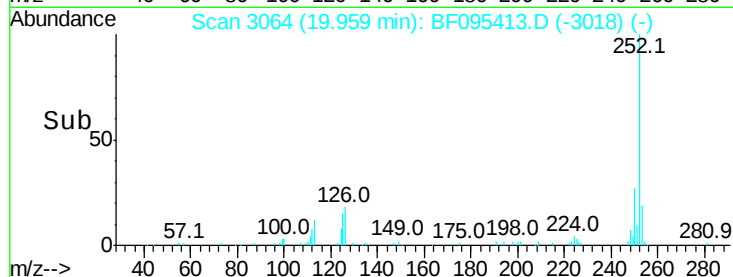
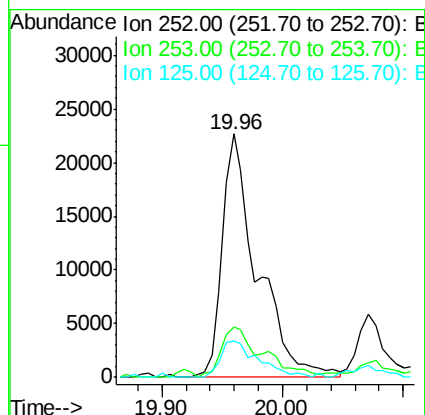
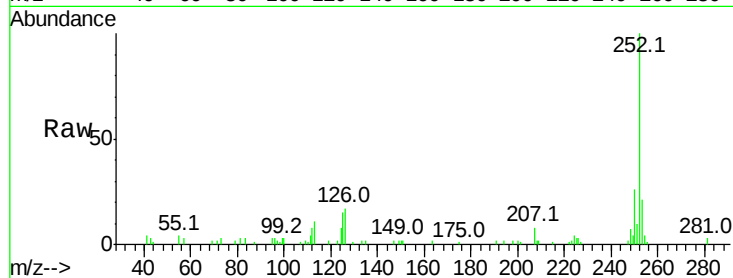




#88
Benzo(k)fluoranthene
Concen: 6.76 ng
RT: 19.96 min Scan# 3064
Delta R.T. -0.03 min
Lab File: BF095413.D
Acq: 25 May 2017 7:45

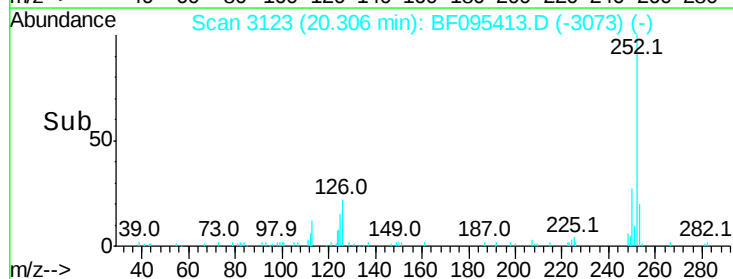
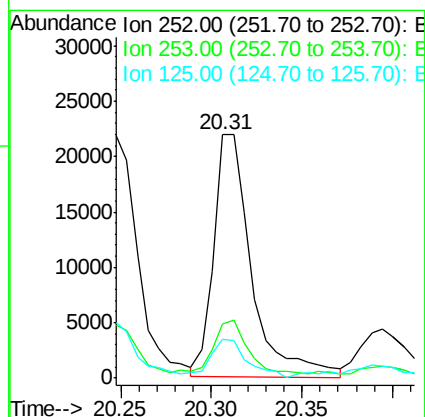
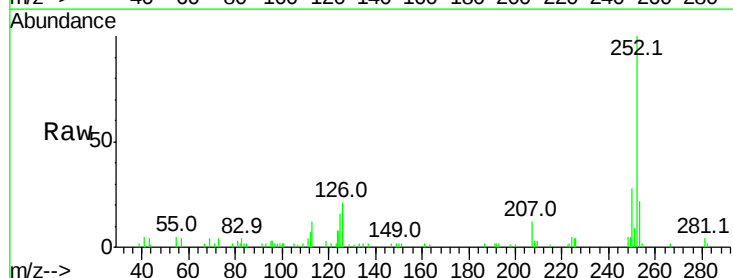
Instrument :
BNA_F
ClientSampleId :

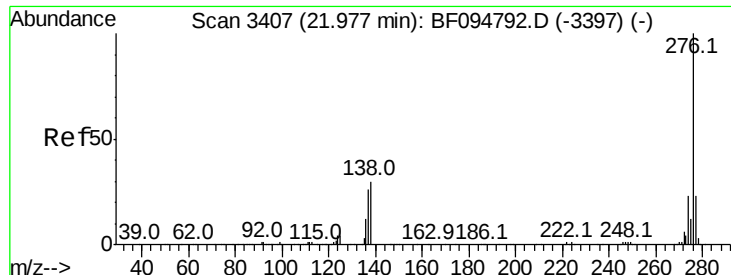
Tot Ion:252 Resp: 45586
Ion Ratio Lower Upper
252 100
253 20.8 18.4 27.6
125 14.8 13.1 19.7



#89
Benzo(a)pyrene
Concen: 4.97 ng
RT: 20.31 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095413.D
Acq: 25 May 2017 7:45

Tgt Ion:252 Resp: 32022
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 15.9 11.0 16.4





#91

Benzo(a,h,i)perylene

Concen: 5.02 ng

RT: 22.11 min Scan# 3429

Delta R.T. 0.02 min

Lab File: BF095413.D

Acq: 25 May 2017 7:45

Instrument :

BNA_F

ClientSampleId :

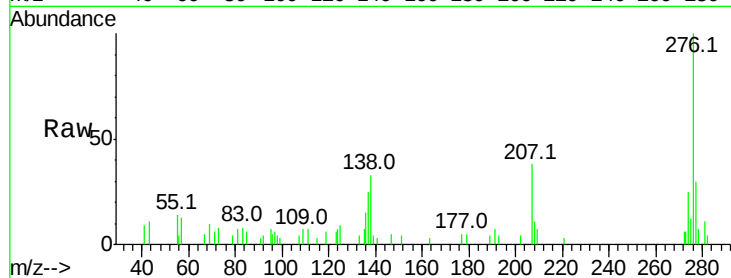
Tot Ion:276 Resp: 26253

Ion Ratio Lower Upper

276 100

277 29.8 18.6 28.0#

138 33.1 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

