

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052717\
 Data File : BF095521.D
 Acq On : 28 May 2017 4:14
 Operator : SJ/MA
 Sample : I3244-14
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 29 01:20:12 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

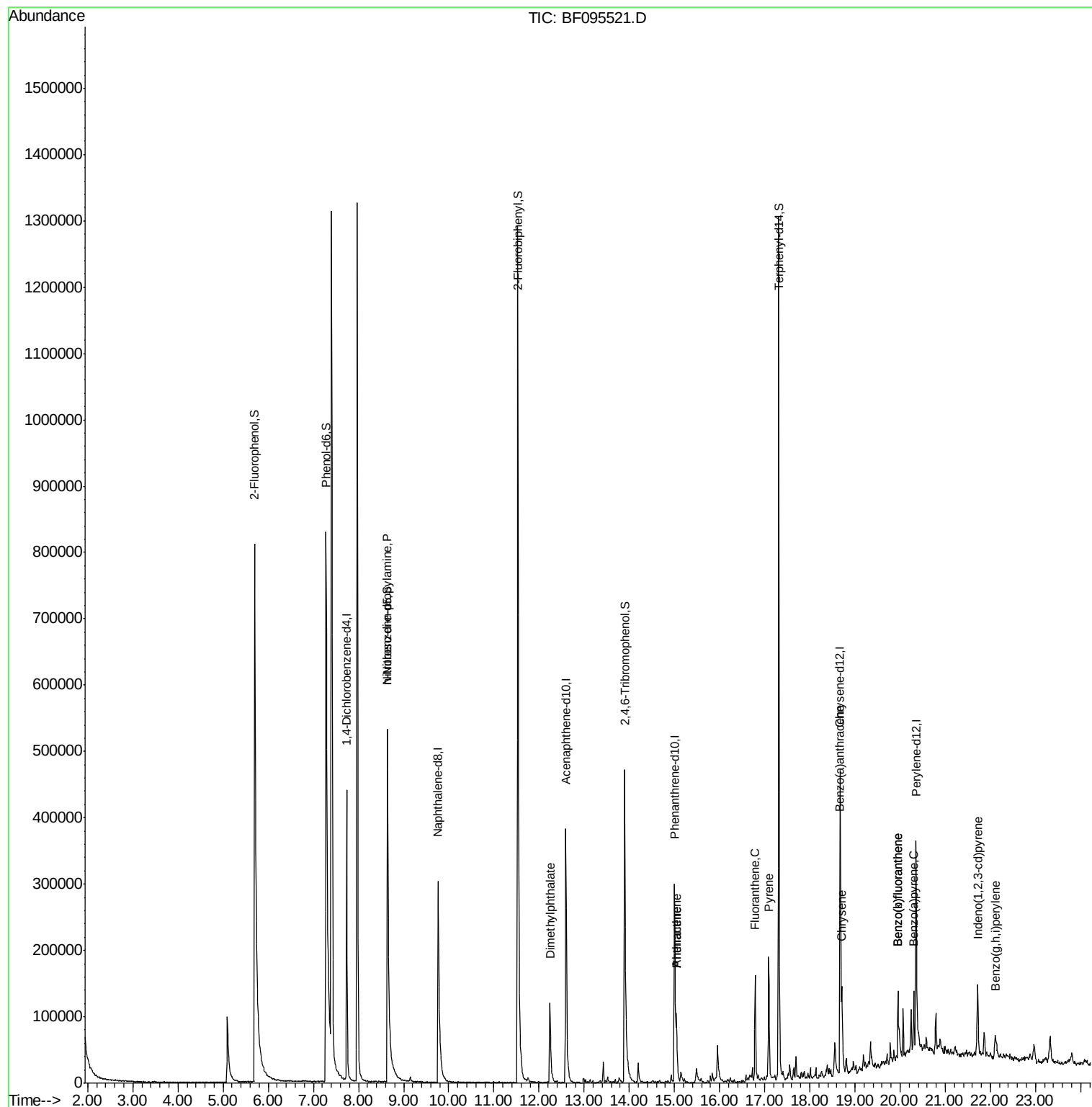
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	96230	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	382747	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	144261	20.00	ng	0.00
63) Phenanthrene-d10	15.00	188	222136	20.00	ng	0.00
75) Chrysene-d12	18.67	240	212779	20.00	ng	0.00
86) Perylene-d12	20.35	264	161015	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	696458	120.66	ng	0.00
7) Phenol-d6	7.28	99	823441	118.90	ng	-0.01
23) Nitrobenzene-d5	8.64	82	447466	73.72	ng	-0.01
41) 2,4,6-Tribromophenol	13.90	330	118593	100.38	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	825961	82.41	ng	0.00
78) Terphenyl-d14	17.31	244	515532	53.36	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.64	70	50777	10.84	ng	# 75
49) Dimethylphthalate	12.24	163	126140	10.65	ng	# 98
70) Phenanthrene	15.05	178	64171	5.03	ng	95
71) Anthracene	15.05	178	64171	4.92	ng	96
74) Fluoranthene	16.79	202	111576	8.52	ng	97
77) Pyrene	17.09	202	100467	6.31	ng	96
80) Benzo(a)anthracene	18.66	228	47133	3.81	ng	95
82) Chrysene	18.71	228	55012	4.59	ng	100
85) Indeno(1,2,3-cd)pyrene	21.71	276	22467	2.31	ng	98
87) Benzo(b)fluoranthene	19.95	252	79997	8.04	ng	# 95
88) Benzo(k)fluoranthene	19.95	252	79997	8.34	ng	99
89) Benzo(a)pyrene	20.30	252	39414	4.29	ng	# 88
91) Benzo(a,h,i)perylene	22.11	276	20707	2.78	ng	# 88

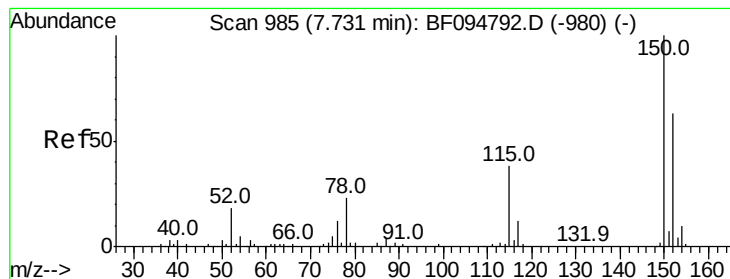
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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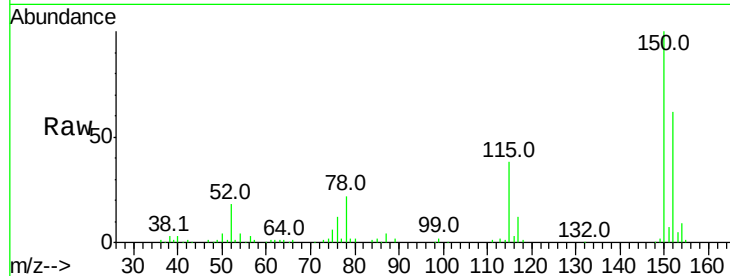


#1

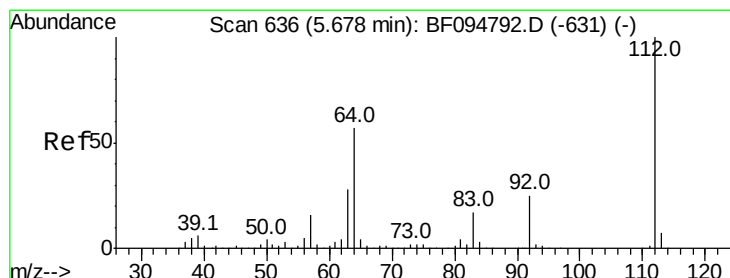
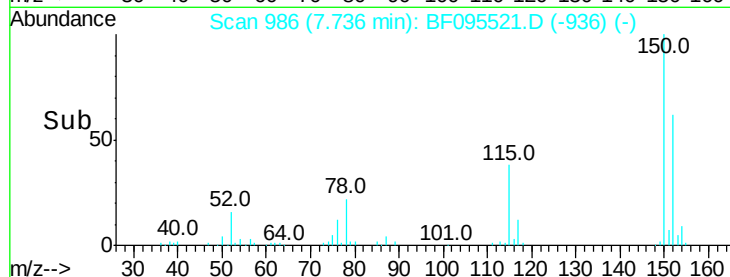
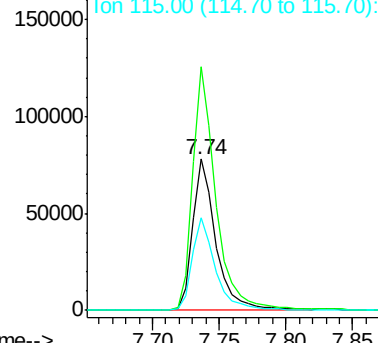
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095521.D
Acq: 28 May 2017 4:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 96230
Ion Ratio Lower Upper
152 100
150 161.1 126.2 189.2
115 61.4 52.2 78.2



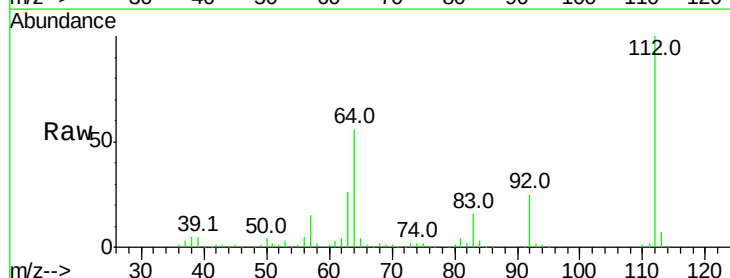
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



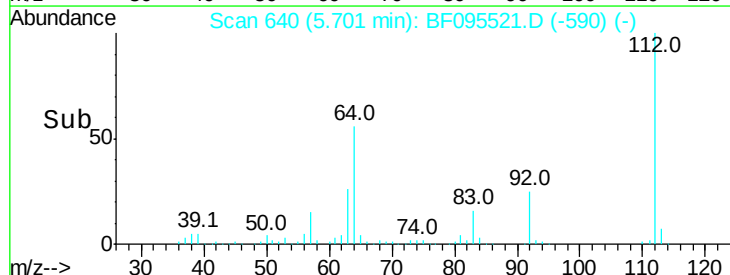
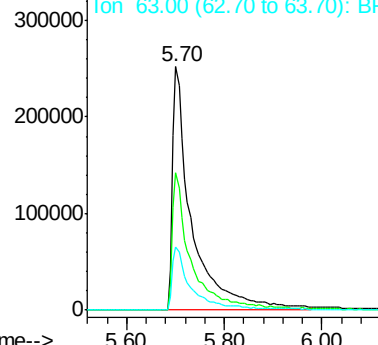
#5

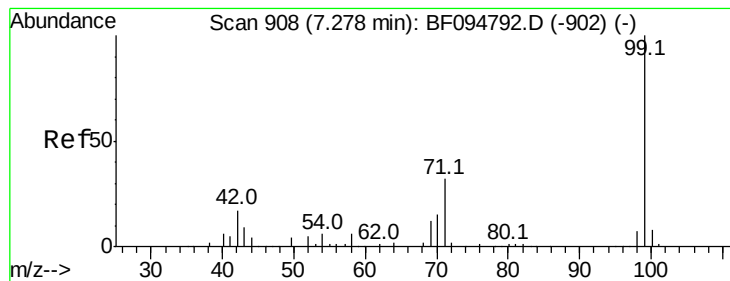
2-Fluorophenol
Concen: 120.66 ng
RT: 5.70 min Scan# 640
Delta R.T. -0.01 min
Lab File: BF095521.D
Acq: 28 May 2017 4:14

Tgt Ion:112 Resp: 696458
Ion Ratio Lower Upper
112 100
64 56.3 46.0 69.0
63 25.8 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: 118.90 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF095521.D

Acq: 28 May 2017 4:14

Instrument :

BNA_F

ClientSampleId :

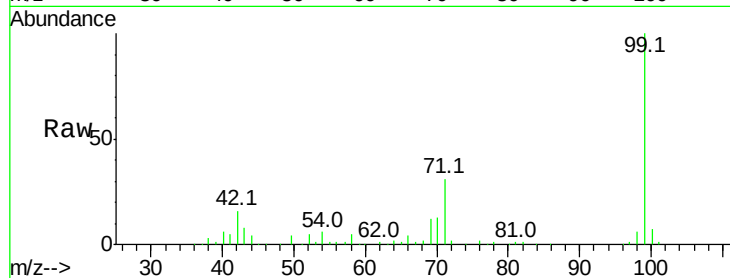
Tot Ion: 99 Resp: 823441

Ion Ratio Lower Upper

99 100

42 15.8 13.5 20.3

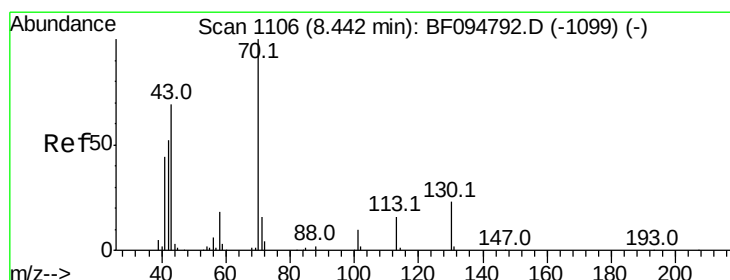
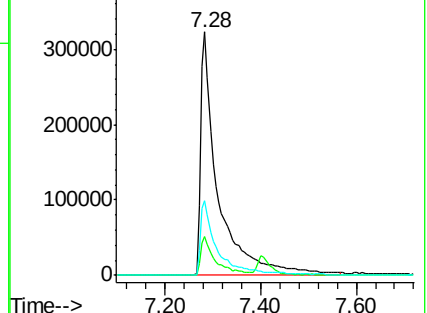
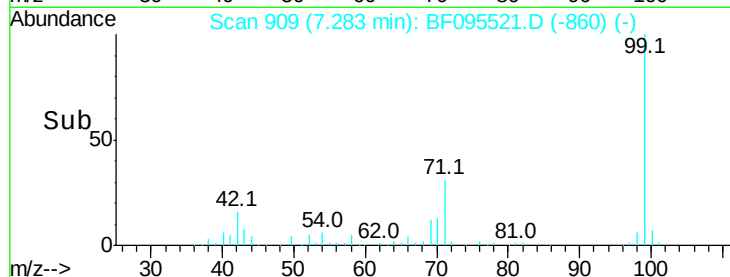
71 30.9 24.5 36.7



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: 10.84 ng

RT: 8.64 min Scan# 1140

Delta R.T. 0.18 min

Lab File: BF095521.D

Acq: 28 May 2017 4:14

Tgt Ion: 70 Resp: 50777

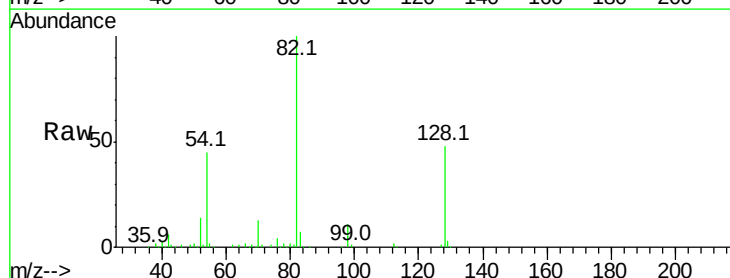
Ion Ratio Lower Upper

70 100

42 43.8 47.2 70.8#

101 0.0 7.2 10.8#

130 1.7 15.9 23.9#

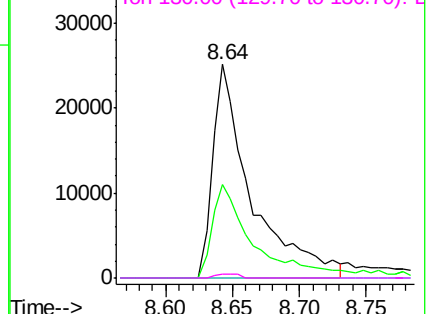
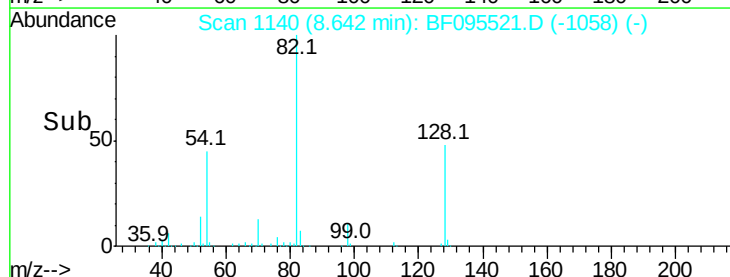


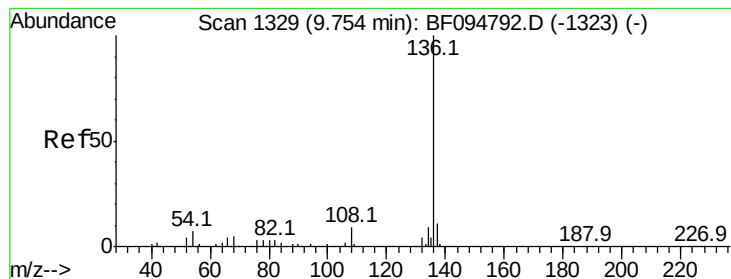
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF095521.D

Acq: 28 May 2017 4:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 382747

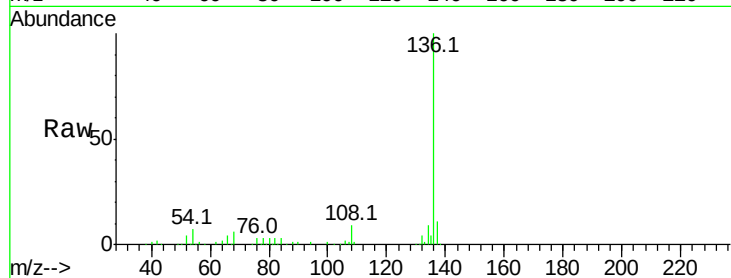
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 6.9 4.9 7.3

68 6.1 4.1 6.1

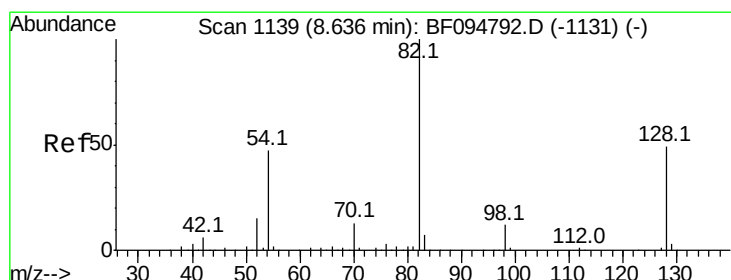
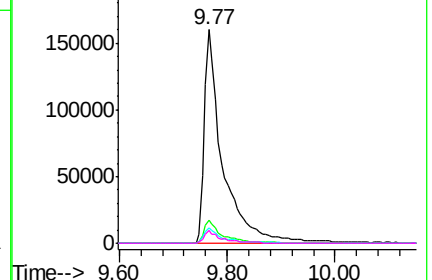
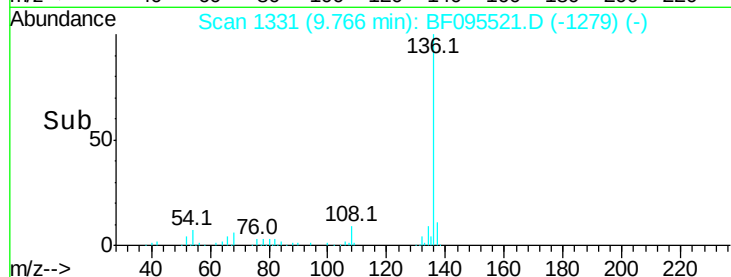


Abundance Ion 136.00 (135.70 to 136.70): E

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: 73.72 ng

RT: 8.64 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BF095521.D

Acq: 28 May 2017 4:14

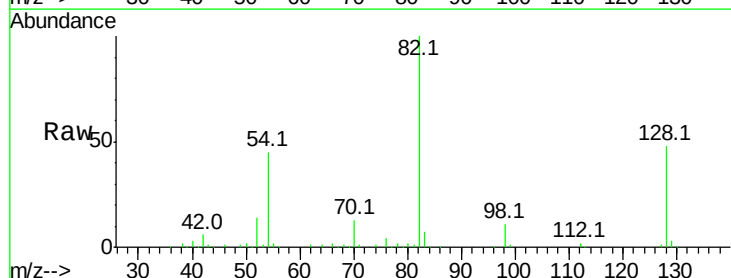
Tgt Ion: 82 Resp: 447466

Ion Ratio Lower Upper

82 100

128 47.6 34.0 51.0

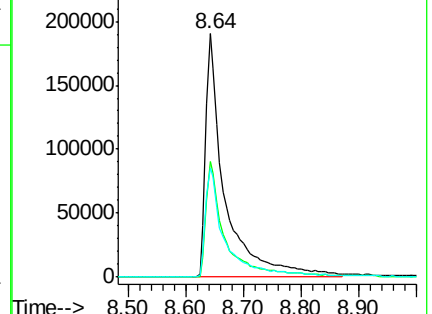
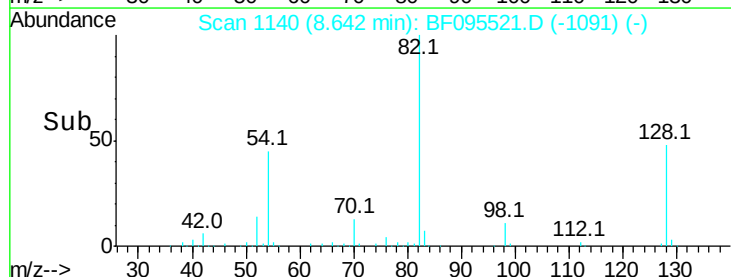
54 44.9 42.2 63.2

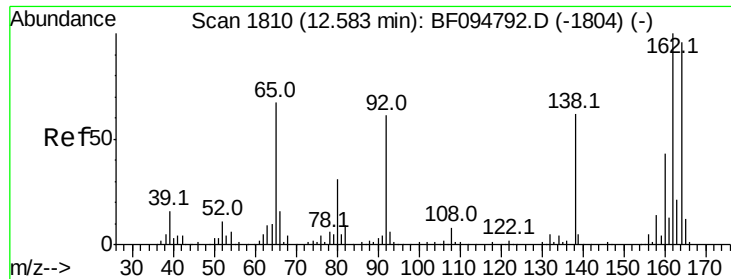


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 12.59 min Scan# 1812

Delta R.T. -0.00 min

Lab File: BF095521.D

Acq: 28 May 2017 4:14

Instrument :

BNA_F

ClientSampleId :

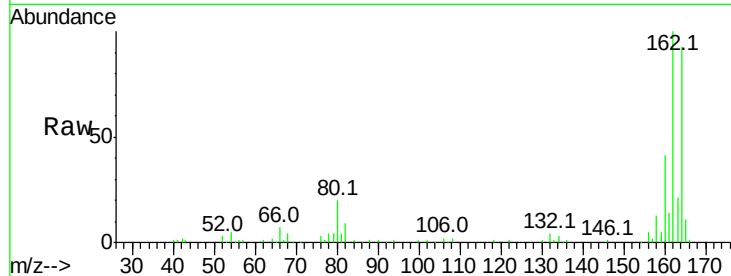
Tot Ion:164 Resp: 144261

Ion Ratio Lower Upper

164 100

162 107.4 82.6 123.8

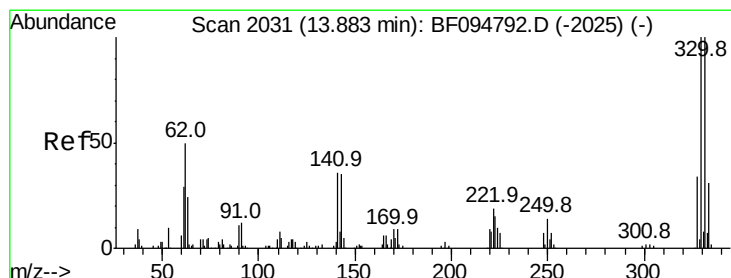
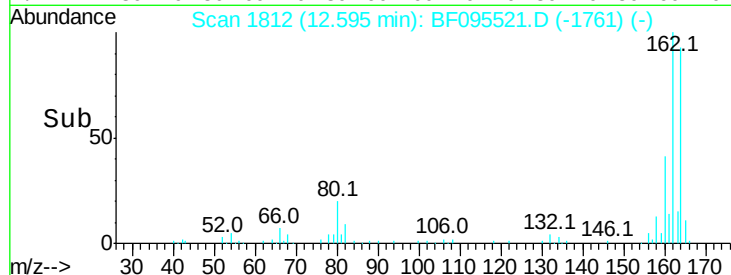
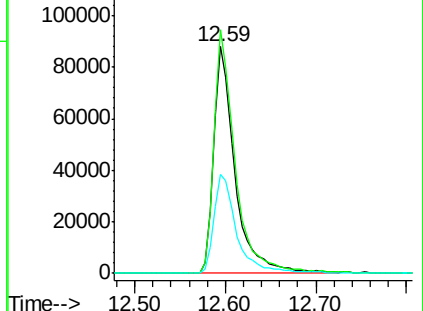
160 43.7 36.2 54.2



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: 100.38 ng

RT: 13.90 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF095521.D

Acq: 28 May 2017 4:14

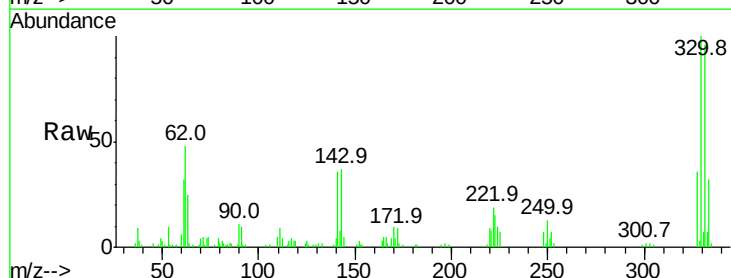
Tgt Ion:330 Resp: 118593

Ion Ratio Lower Upper

330 100

332 99.7 76.6 115.0

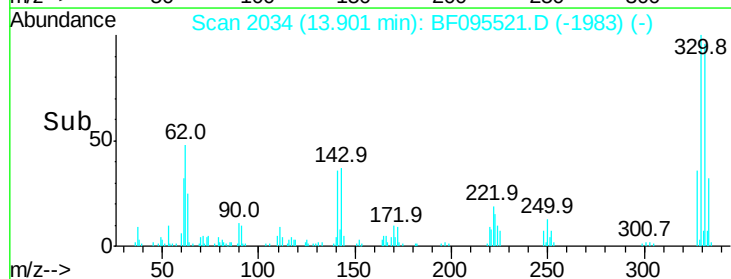
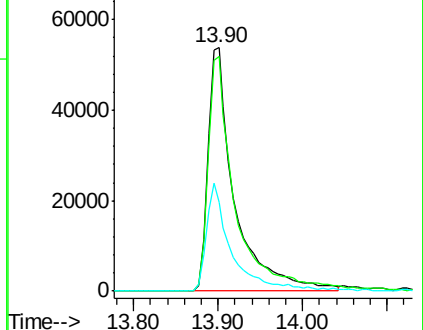
141 42.0 31.4 47.2

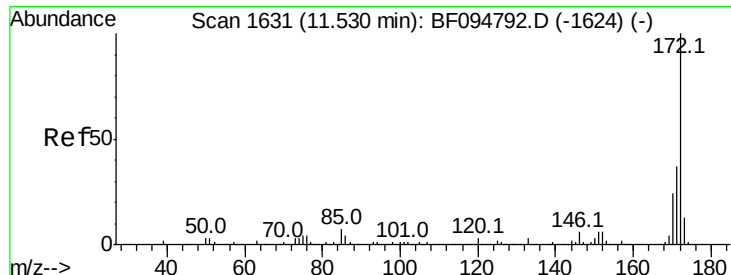


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

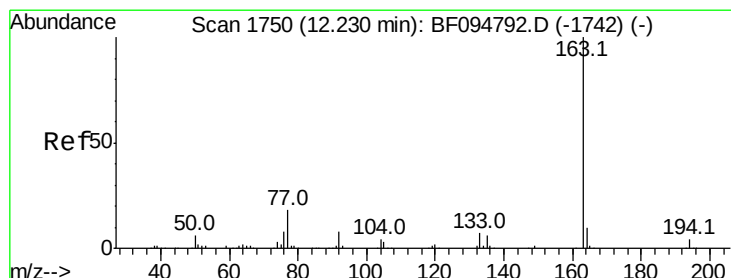
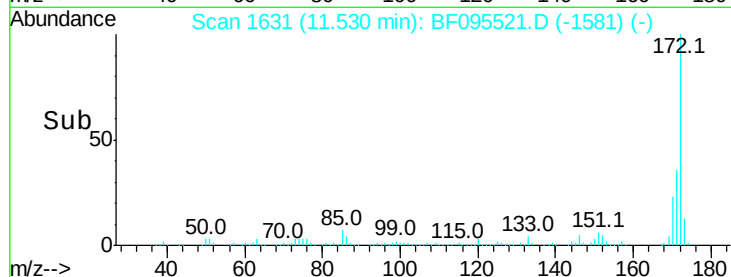
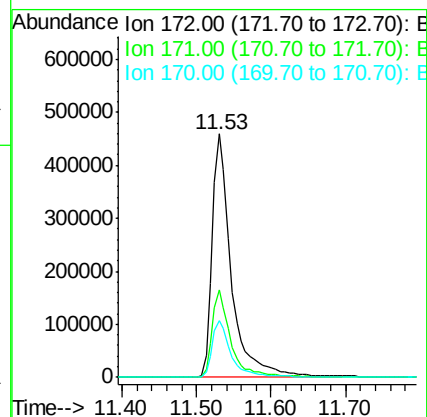
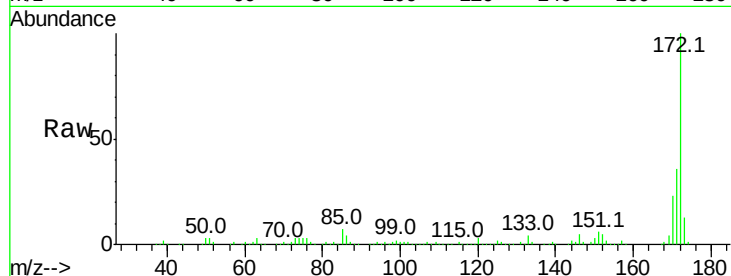




#44
2-Fluorobiphenyl
Concen: 82.41 ng
RT: 11.53 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BF095521.D
Acq: 28 May 2017 4:14

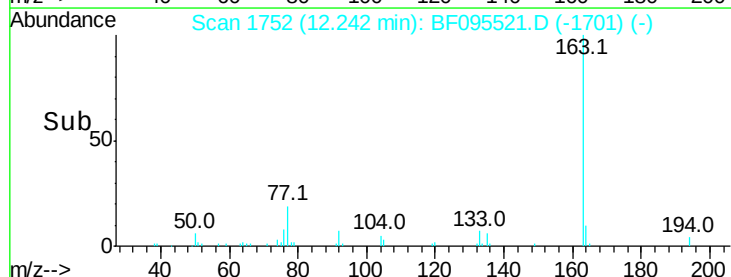
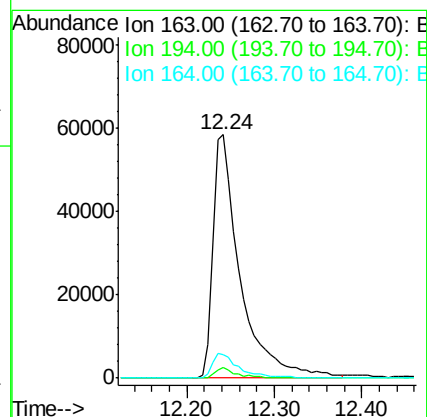
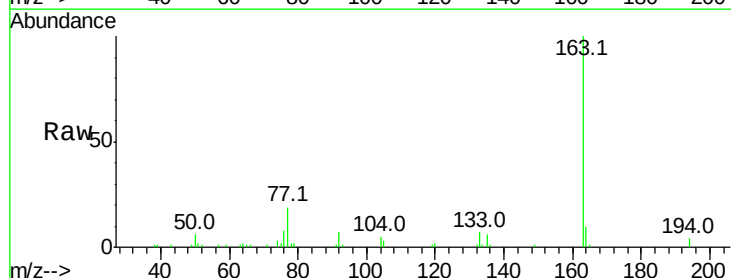
Instrument :
BNA_F
ClientSampleId :

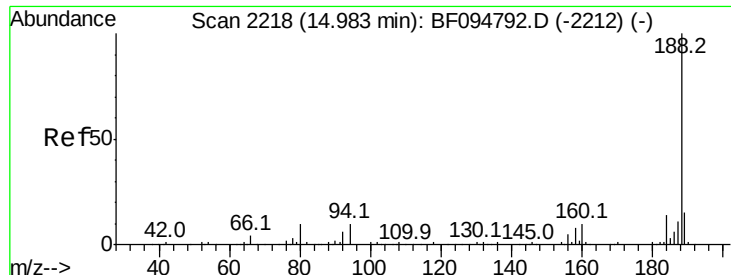
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.2	19.8	29.8



#49
Dimethylphthalate
Concen: 10.65 ng
RT: 12.24 min Scan# 1752
Delta R.T. -0.00 min
Lab File: BF095521.D
Acq: 28 May 2017 4:14

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	2.6	4.0#
164	9.9	8.4	12.6

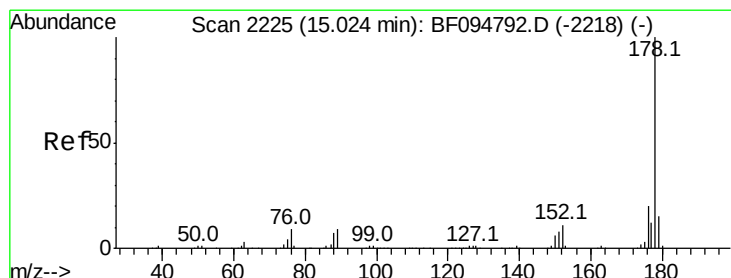
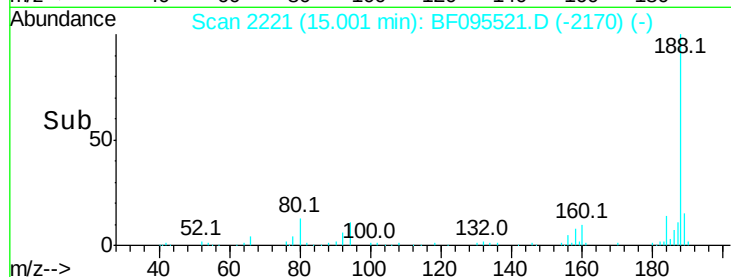
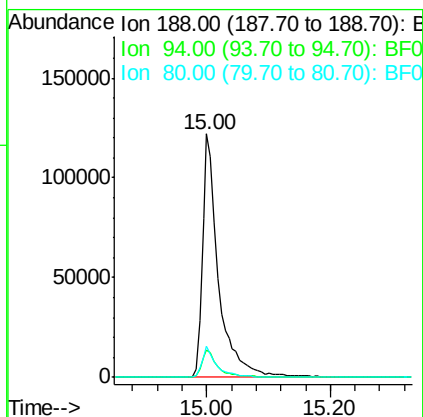
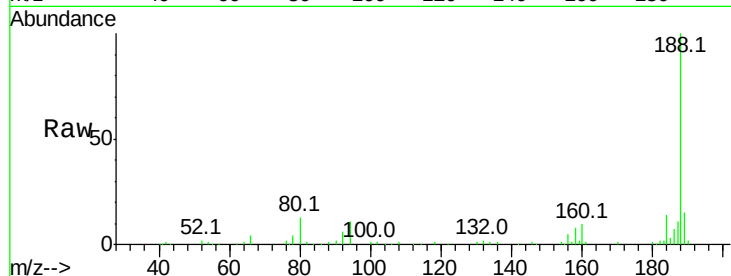




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.00 min Scan# 2221
 Delta R.T. -0.00 min
 Lab File: BF095521.D
 Acq: 28 May 2017 4:14

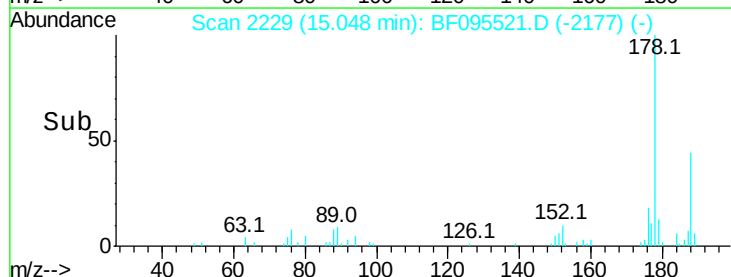
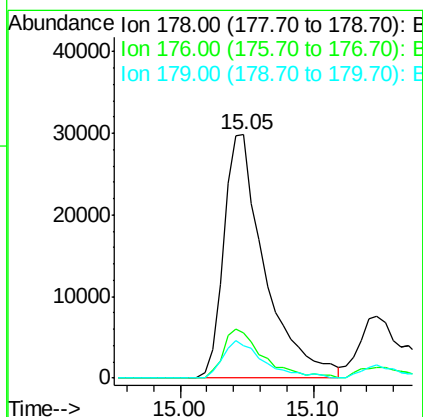
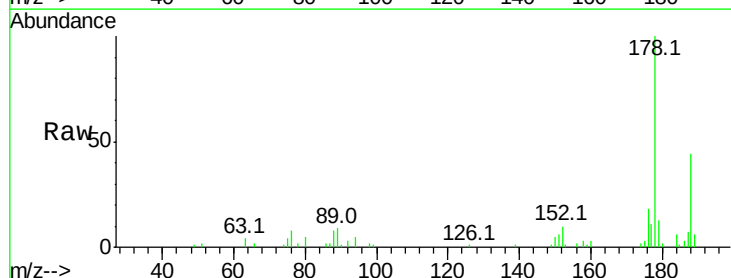
Instrument :
 BNA_F
 ClientSampleId :

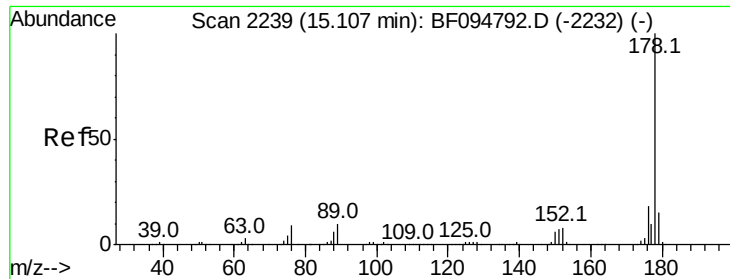
Tot Ion:188 Resp: 222136
 Ion Ratio Lower Upper
 188 100
 94 11.3 9.4 14.2
 80 12.5 10.2 15.2



#70
 Phenanthrene
 Concen: 5.03 ng
 RT: 15.05 min Scan# 2229
 Delta R.T. 0.01 min
 Lab File: BF095521.D
 Acq: 28 May 2017 4:14

Tgt Ion:178 Resp: 64171
 Ion Ratio Lower Upper
 178 100
 176 18.5 16.2 24.4
 179 13.5 12.6 19.0

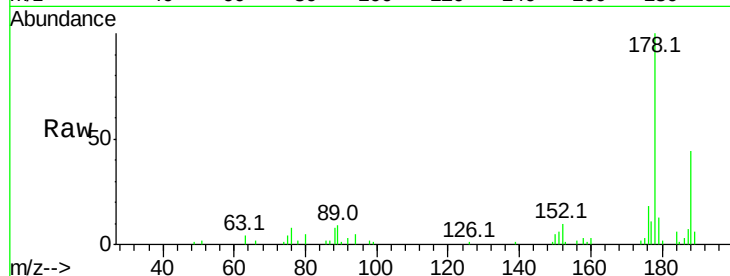




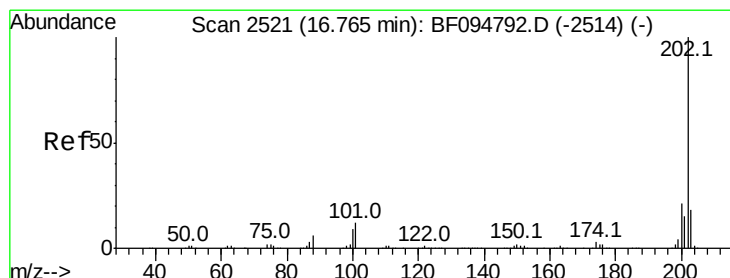
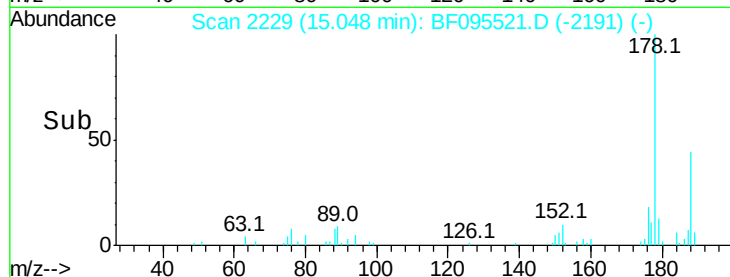
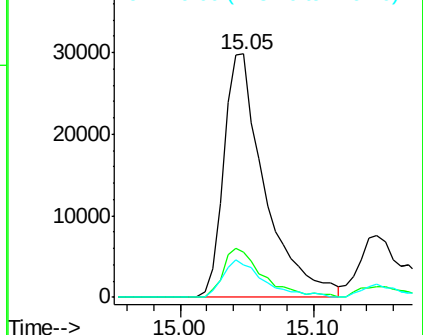
#71
 Anthracene
 Concen: 4.92 ng
 RT: 15.05 min Scan# 2229
 Delta R.T. -0.08 min
 Lab File: BF095521.D
 Acq: 28 May 2017 4:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 64171
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.8 23.8
 179 13.5 12.7 19.1

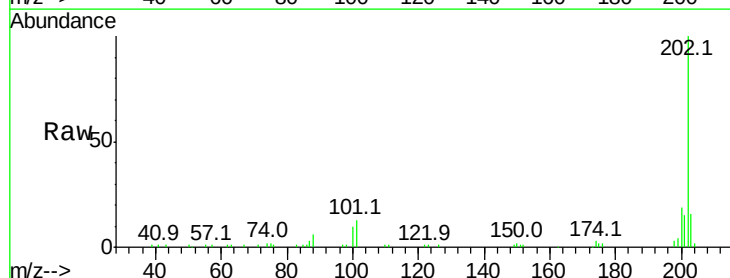


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

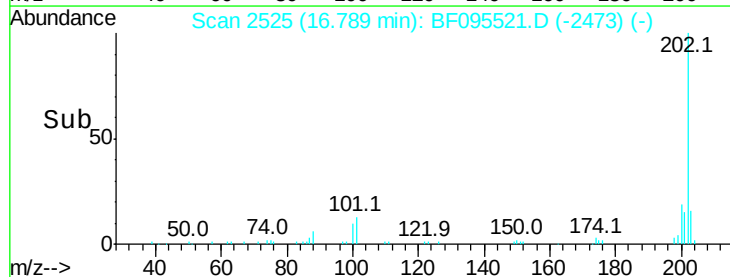
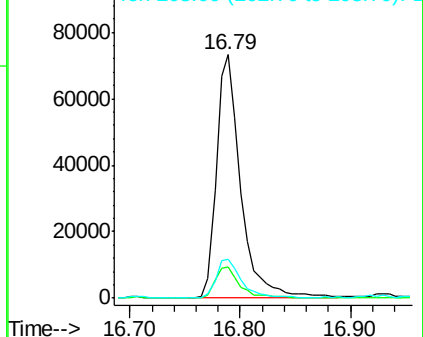


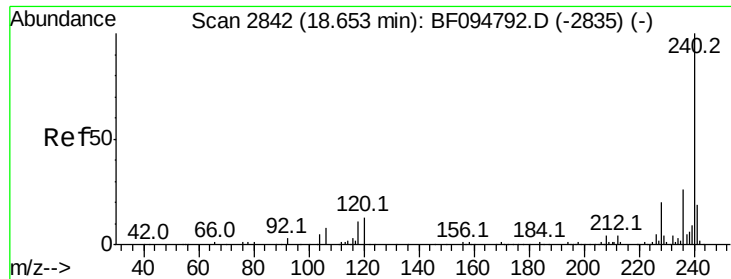
#74
 Fluoranthene
 Concen: 8.52 ng
 RT: 16.79 min Scan# 2525
 Delta R.T. 0.01 min
 Lab File: BF095521.D
 Acq: 28 May 2017 4:14

Tgt Ion:202 Resp: 111576
 Ion Ratio Lower Upper
 202 100
 101 12.9 0.0 33.2
 203 16.0 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: BF095521.D

Acq: 28 May 2017 4:14

Instrument :

BNA_F

ClientSampleId :

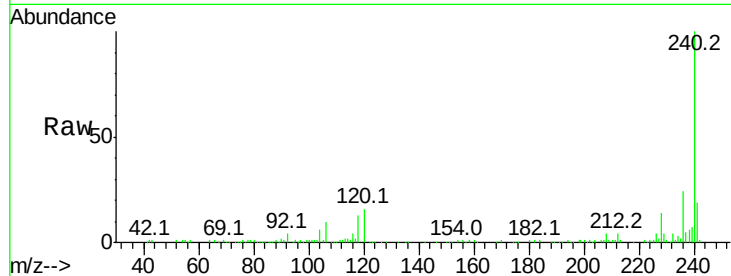
Tot Ion:240 Resp: 212779

Ion Ratio Lower Upper

240 100

120 16.4 5.8 8.8#

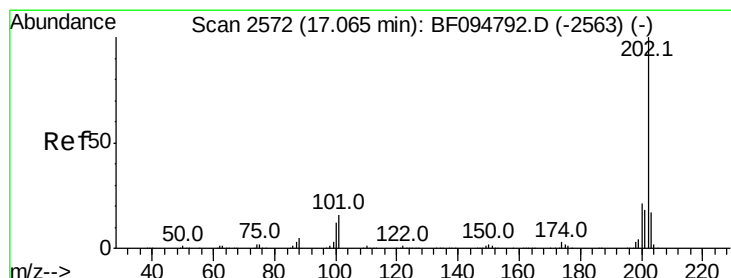
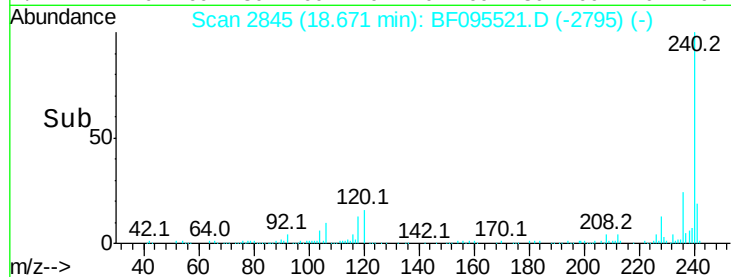
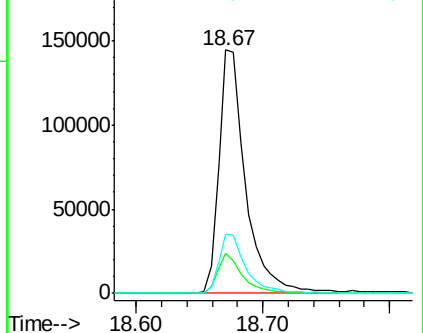
236 24.2 20.5 30.7



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: 6.31 ng

RT: 17.09 min Scan# 2576

Delta R.T. -0.00 min

Lab File: BF095521.D

Acq: 28 May 2017 4:14

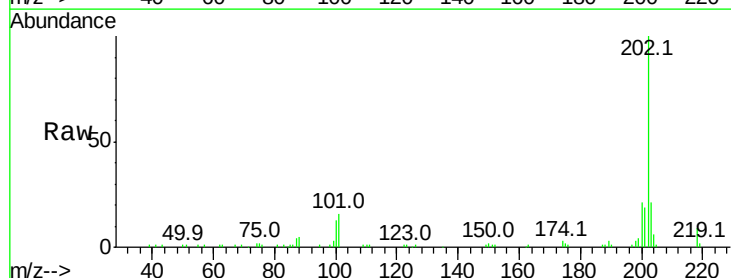
Tgt Ion:202 Resp: 100467

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

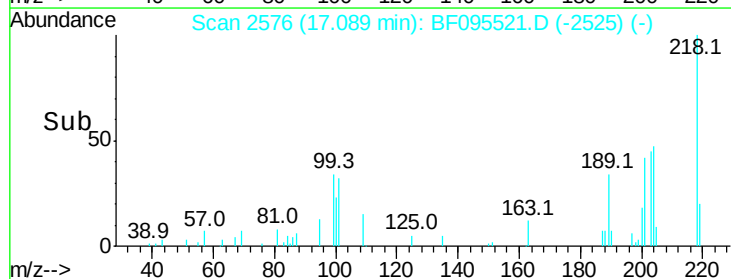
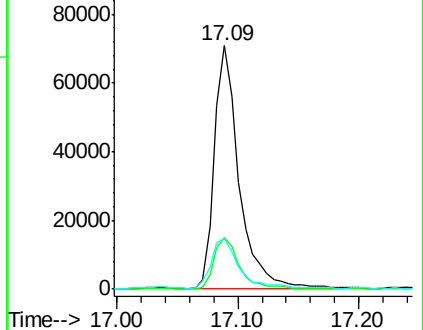
203 20.6 14.4 21.6

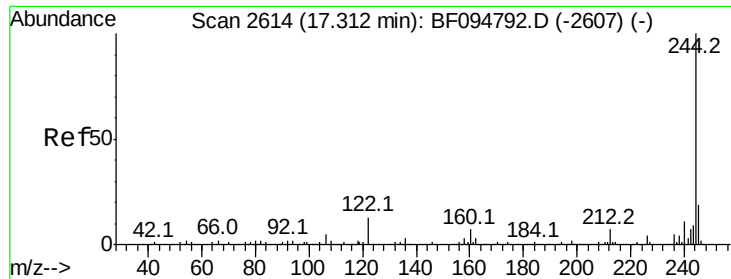


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

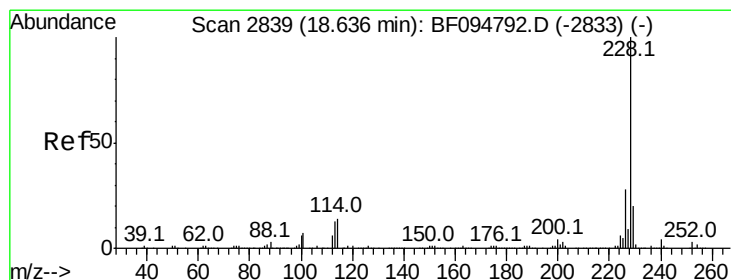
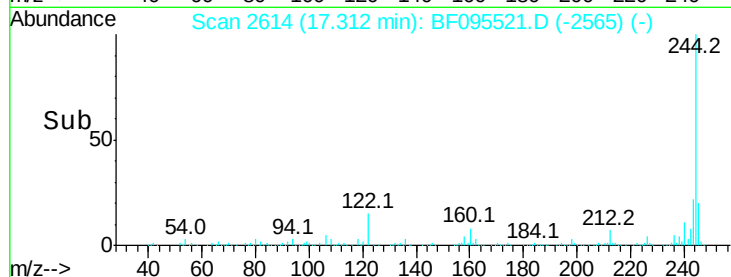
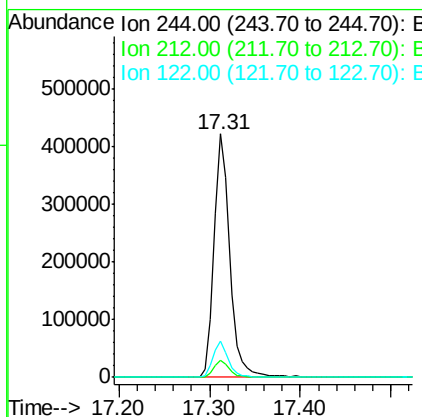
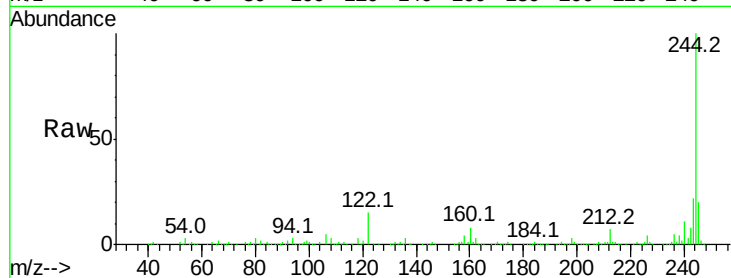




#78
 Terphenyl-d14
 Concen: 53.36 ng
 RT: 17.31 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BF095521.D
 Acq: 28 May 2017 4:14

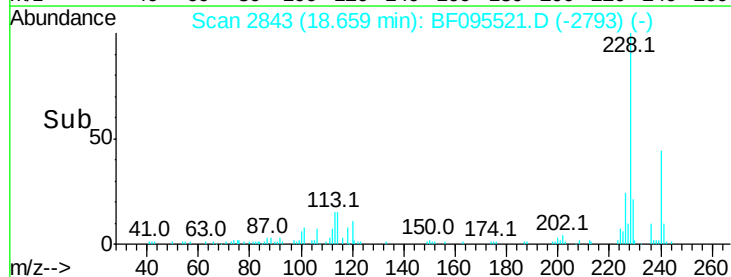
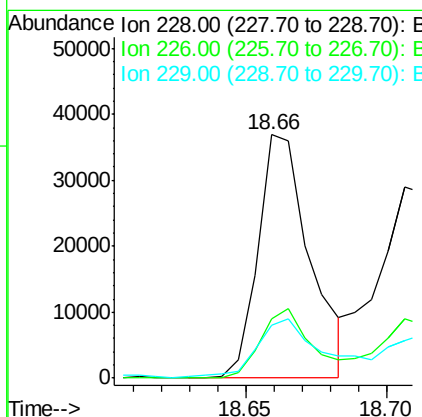
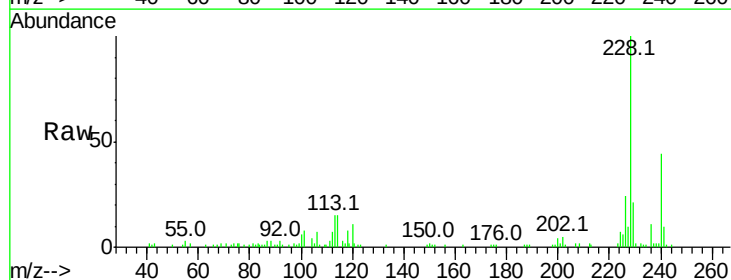
Instrument :
 BNA_F
 ClientSampled :

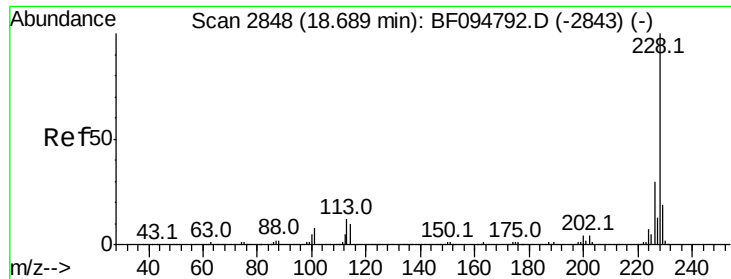
Tot Ion:244 Resp: 515532
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 14.7 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 3.81 ng
 RT: 18.66 min Scan# 2843
 Delta R.T. -0.01 min
 Lab File: BF095521.D
 Acq: 28 May 2017 4:14

Tgt Ion:228 Resp: 47133
 Ion Ratio Lower Upper
 228 100
 226 24.3 22.6 33.8
 229 21.5 16.3 24.5

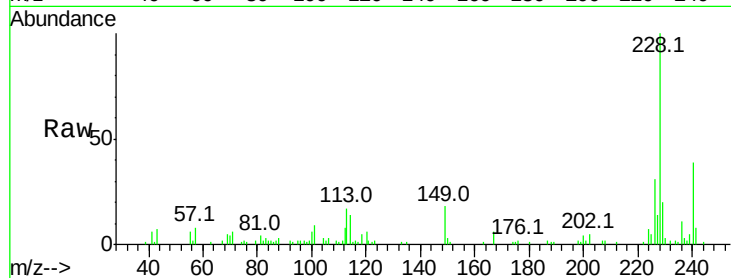




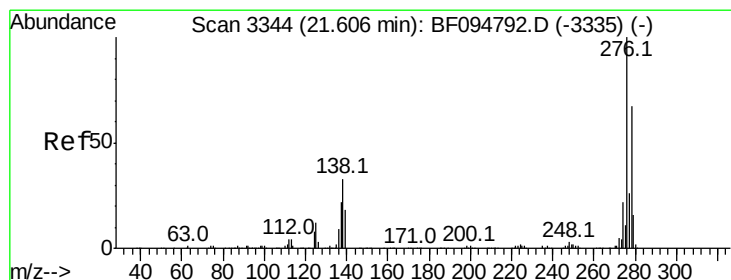
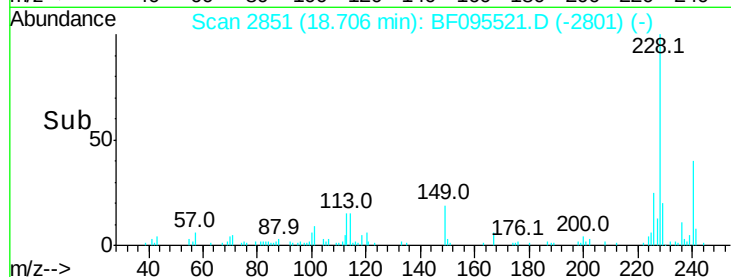
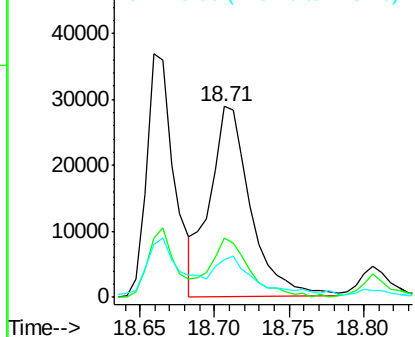
#82
Chrysene
Concen: 4.59 ng
RT: 18.71 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BF095521.D
Acq: 28 May 2017 4:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 55012
Ion Ratio Lower Upper
228 100
226 31.0 24.9 37.3
229 19.7 15.8 23.6

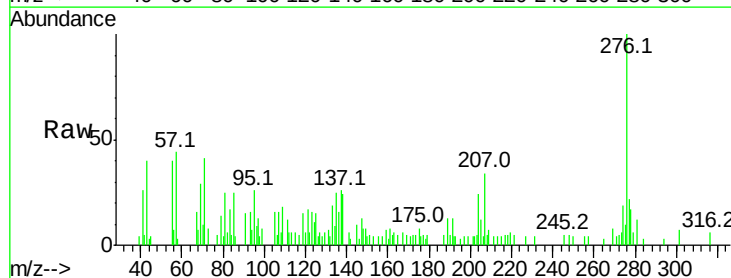


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

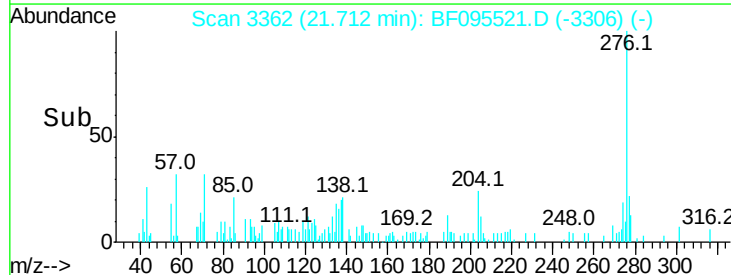
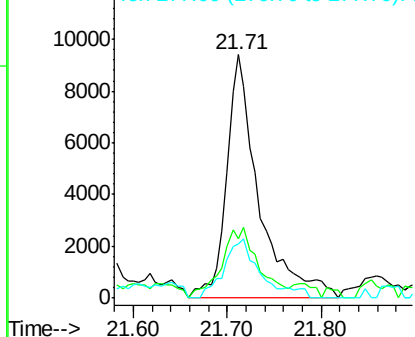


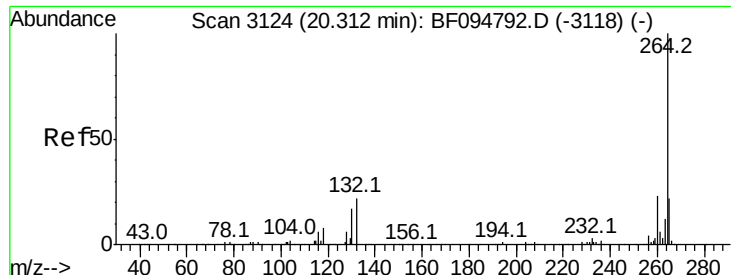
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.31 ng
RT: 21.71 min Scan# 3362
Delta R.T. 0.03 min
Lab File: BF095521.D
Acq: 28 May 2017 4:14

Tgt Ion:276 Resp: 22467
Ion Ratio Lower Upper
276 100
138 33.1 27.8 41.6
277 25.0 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

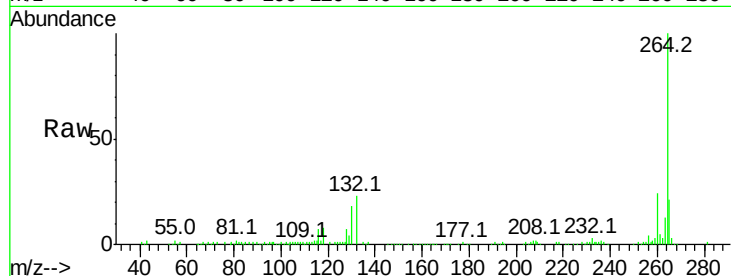




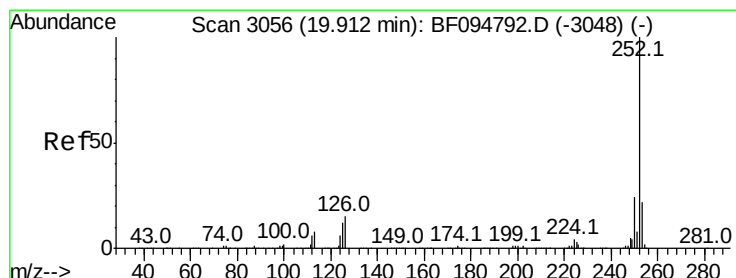
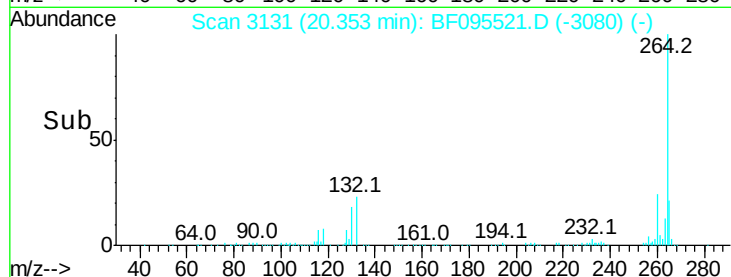
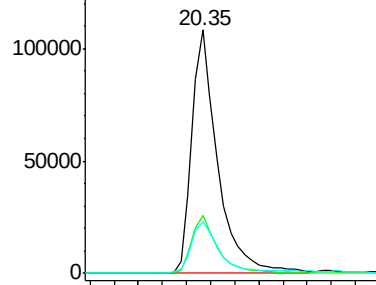
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. -0.00 min
Lab File: BF095521.D
Acq: 28 May 2017 4:14

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.1	17.2	25.8

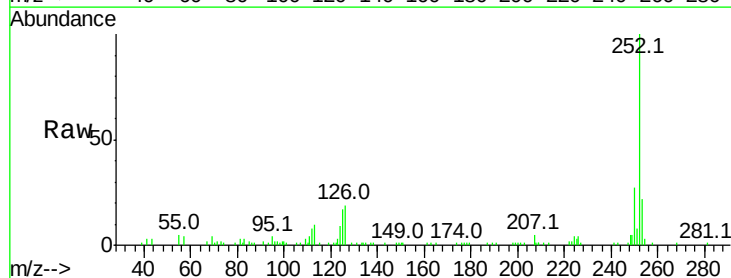


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

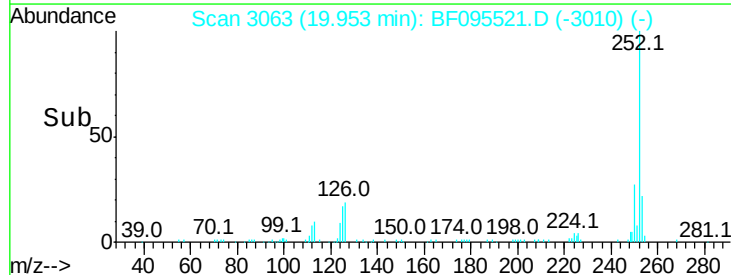
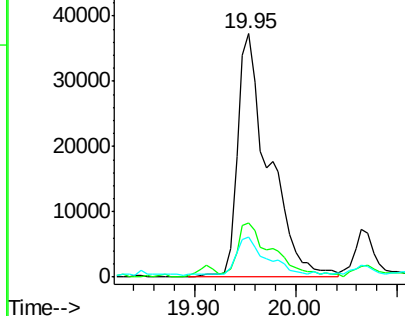


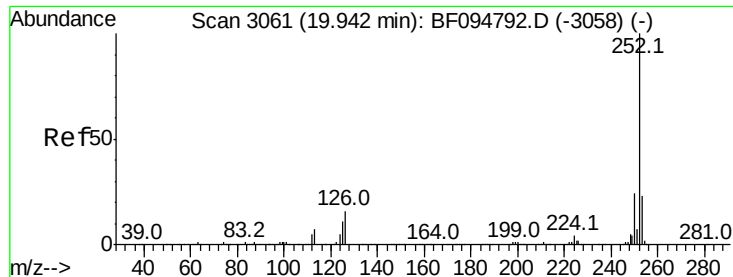
#87
Benzo(b)fluoranthene
Concen: 8.04 ng
RT: 19.95 min Scan# 3063
Delta R.T. 0.01 min
Lab File: BF095521.D
Acq: 28 May 2017 4:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	16.7	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

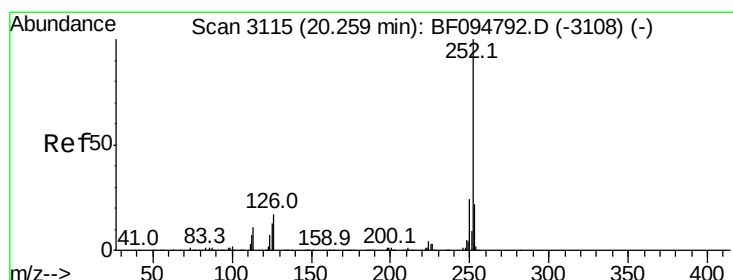
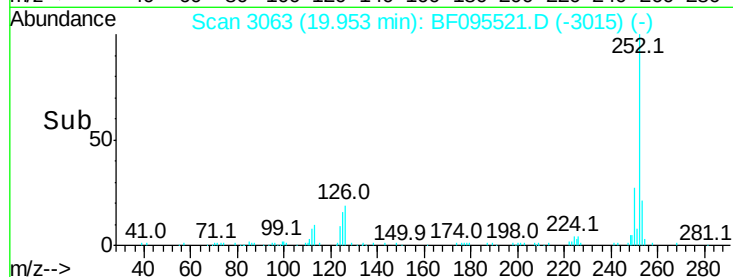
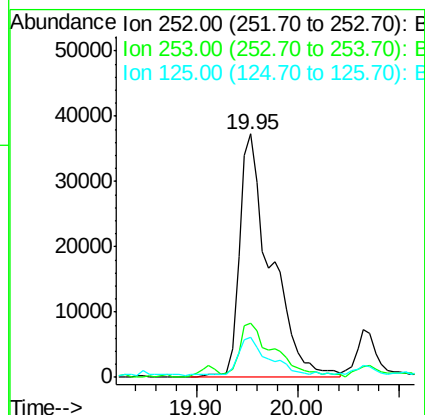
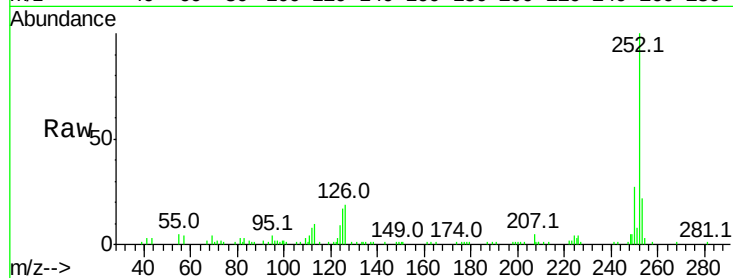




#88
Benzo(k)fluoranthene
Concen: 8.34 ng
RT: 19.95 min Scan# 3063
Delta R.T. -0.02 min
Lab File: BF095521.D
Acq: 28 May 2017 4:14

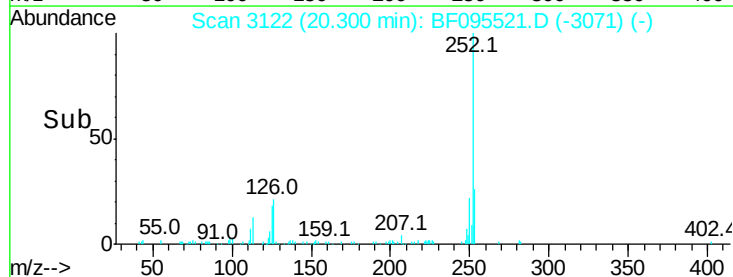
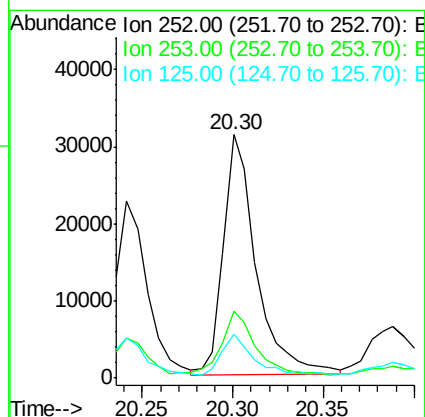
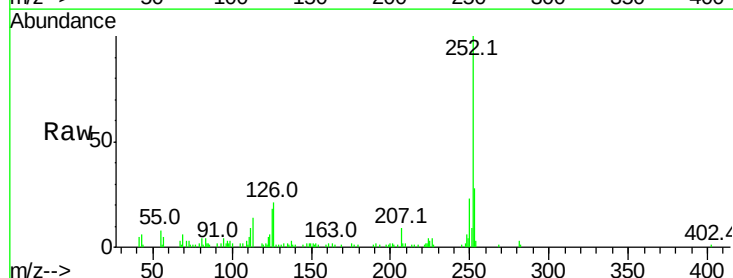
Instrument :
BNA_F
ClientSampleId :

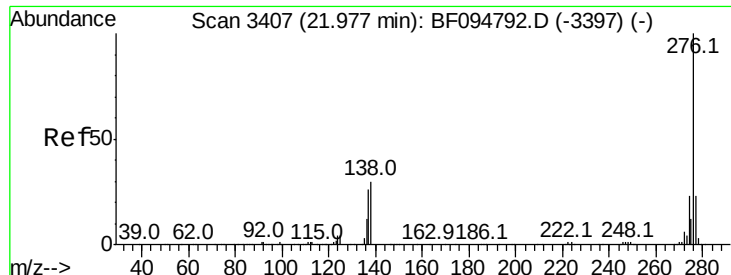
Tot Ion:252 Resp: 79997
Ion Ratio Lower Upper
252 100
253 22.1 18.4 27.6
125 16.7 13.1 19.7



#89
Benzo(a)pyrene
Concen: 4.29 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.00 min
Lab File: BF095521.D
Acq: 28 May 2017 4:14

Tgt Ion:252 Resp: 39414
Ion Ratio Lower Upper
252 100
253 27.5 17.5 26.3#
125 18.2 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 2.78 ng

RT: 22.11 min Scan# 3429

Delta R.T. 0.04 min

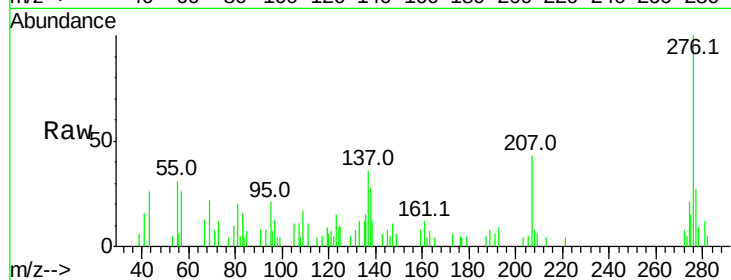
Lab File: BF095521.D

Acq: 28 May 2017 4:14

Instrument :

BNA_F

ClientSampleId :



Tot Ion:	276	Resp:	20707
Ion Ratio	Lower	Upper	
276	100		
277	26.9	18.6	28.0
138	40.7	25.4	38.0

