

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053017\
 Data File : BF095545.D
 Acq On : 30 May 2017 20:24
 Operator : SJ/MA
 Sample : I3302-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 31 01:42:32 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

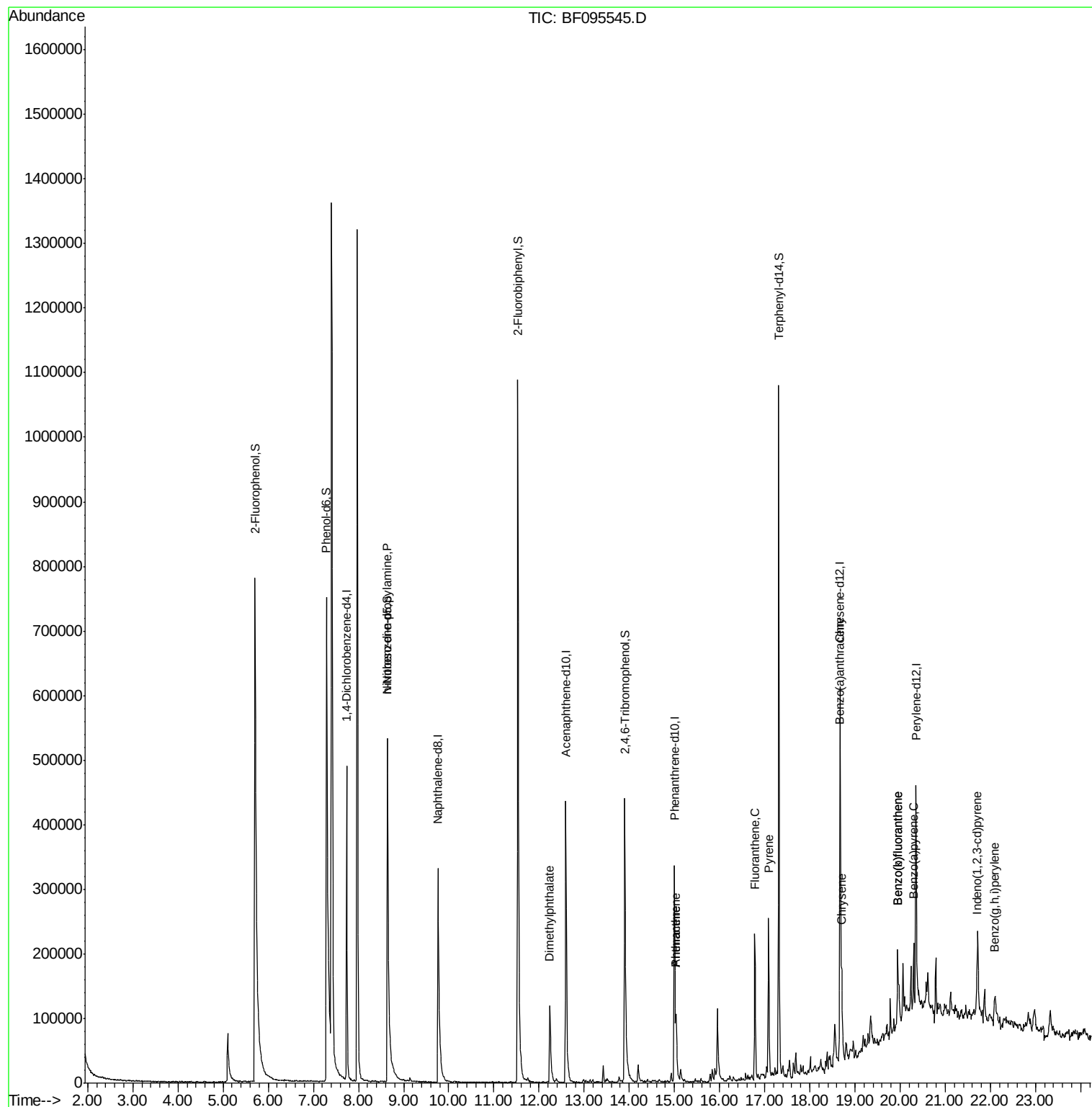
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	108360	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	414149	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	156773	20.00	ng	0.00
63) Phenanthrene-d10	15.00	188	230332	20.00	ng	0.00
75) Chrysene-d12	18.67	240	244531	20.00	ng	0.00
86) Perylene-d12	20.35	264	170510	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	678453	104.39	ng	0.00
7) Phenol-d6	7.29	99	791092	101.44	ng	0.00
23) Nitrobenzene-d5	8.64	82	440556	67.08	ng	-0.01
41) 2,4,6-Tribromophenol	13.90	330	109757	85.49	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	718572	65.97	ng	0.00
78) Terphenyl-d14	17.31	244	434498	39.14	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.64	70	48865	9.26	ng	Qvalue # 76
49) Dimethylphthalate	12.24	163	126223	9.81	ng	99
70) Phenanthrene	15.04	178	62044	4.69	ng	97
71) Anthracene	15.04	178	62044	4.59	ng	98
74) Fluoranthene	16.78	202	136293	10.04	ng	100
77) Pyrene	17.08	202	125894	6.88	ng	# 93
80) Benzo(a)anthracene	18.66	228	65427	4.60	ng	97
82) Chrysene	18.71	228	62197	4.52	ng	96
85) Indeno(1,2,3-cd)pyrene	21.70	276	23437	2.10	ng	90
87) Benzo(b)fluoranthene	19.95	252	88937	8.44	ng	# 96
88) Benzo(k)fluoranthene	19.95	252	88937	8.75	ng	99
89) Benzo(a)pyrene	20.30	252	43746	4.50	ng	97
91) Benzo(a,h,i)perylene	22.09	276	25301	3.21	ng	96

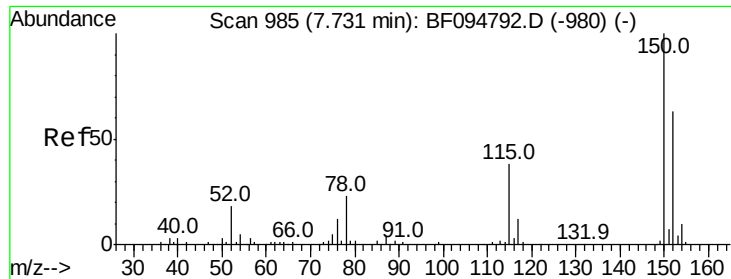
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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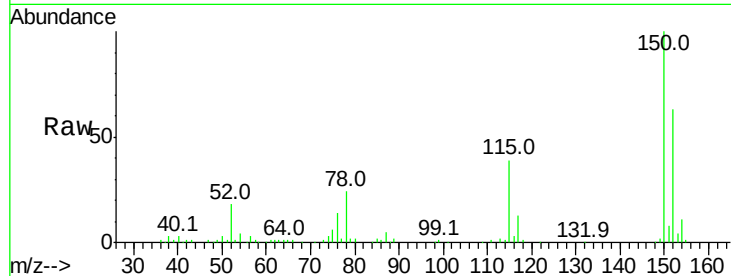


#1

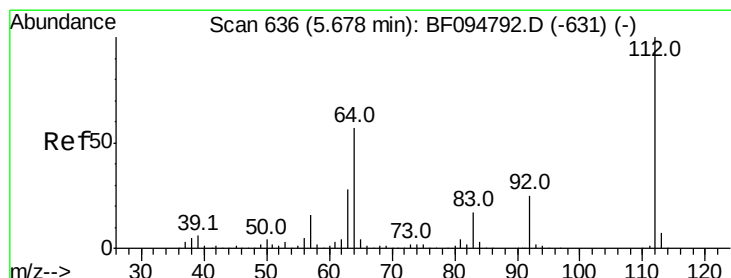
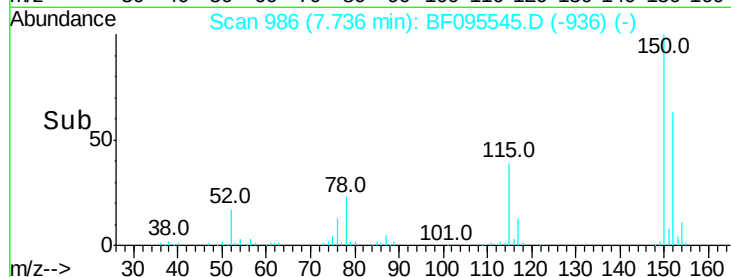
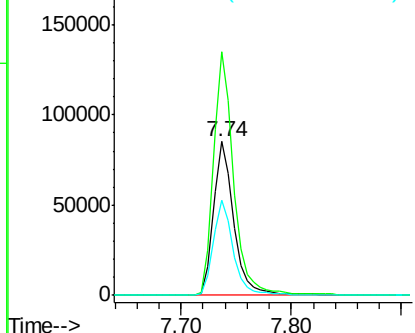
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095545.D
Acq: 30 May 2017 20:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 108360
Ion Ratio Lower Upper
152 100
150 158.6 126.2 189.2
115 62.2 52.2 78.2



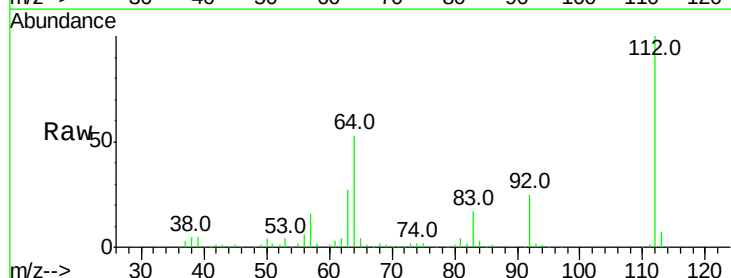
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



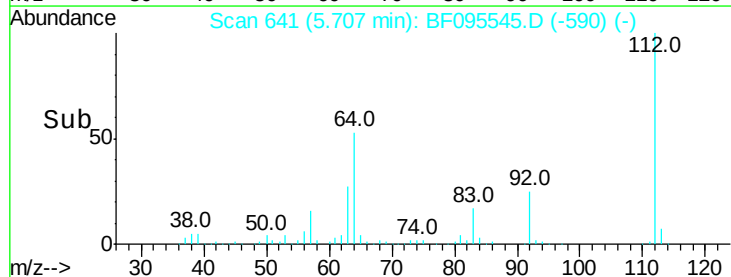
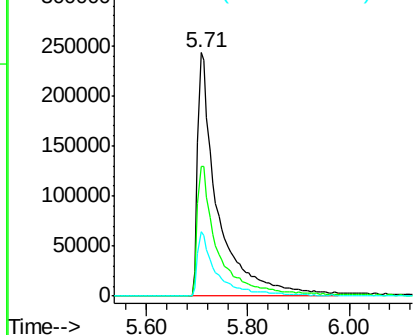
#5

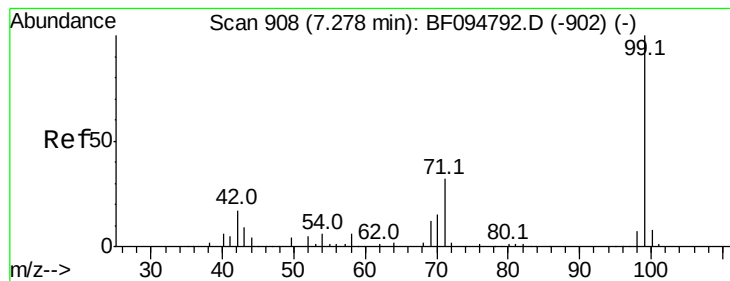
2-Fluorophenol
Concen: 104.39 ng
RT: 5.71 min Scan# 641
Delta R.T. -0.00 min
Lab File: BF095545.D
Acq: 30 May 2017 20:24

Tgt Ion:112 Resp: 678453
Ion Ratio Lower Upper
112 100
64 53.4 46.0 69.0
63 26.7 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: 101.44 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF095545.D

Acq: 30 May 2017 20:24

Instrument :

BNA_F

ClientSampled :

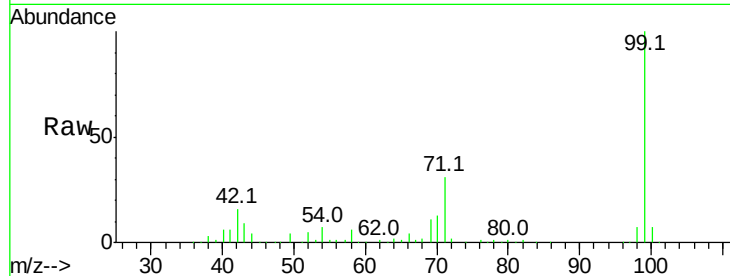
Tot Ion: 99 Resp: 791092

Ion Ratio Lower Upper

99 100

42 15.8 13.5 20.3

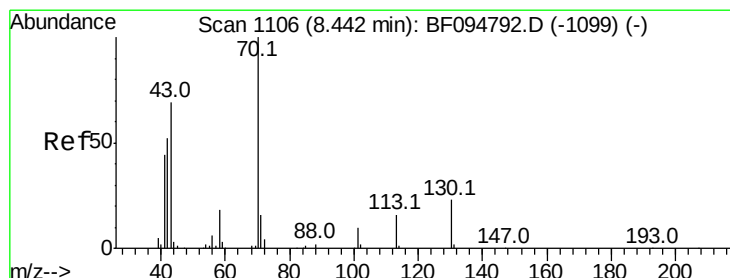
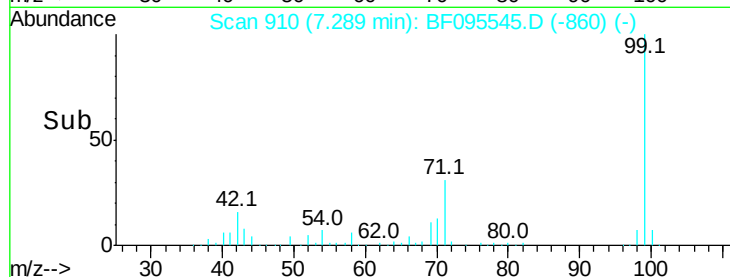
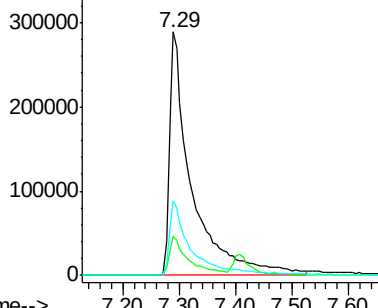
71 30.8 24.5 36.7



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: 9.26 ng

RT: 8.64 min Scan# 1140

Delta R.T. 0.18 min

Lab File: BF095545.D

Acq: 30 May 2017 20:24

Tgt Ion: 70 Resp: 48865

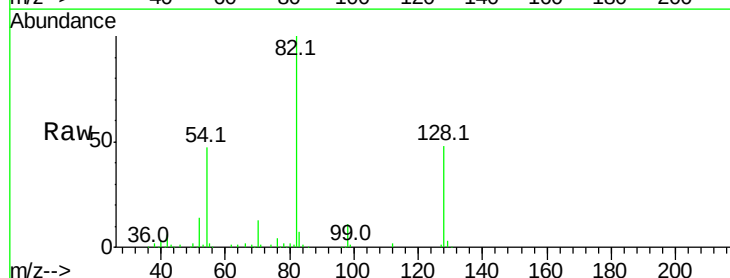
Ion Ratio Lower Upper

70 100

42 45.0 47.2 70.8#

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

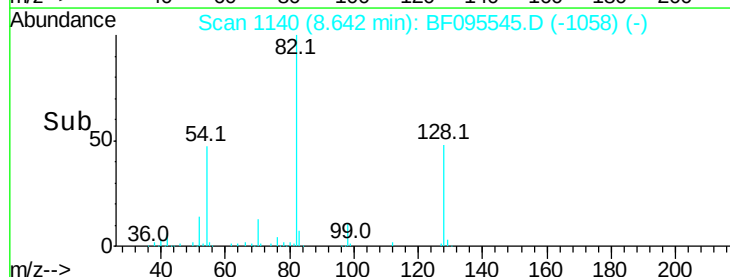
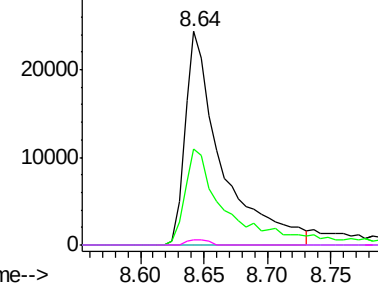


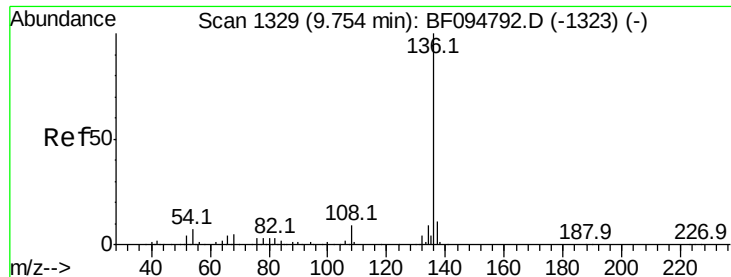
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

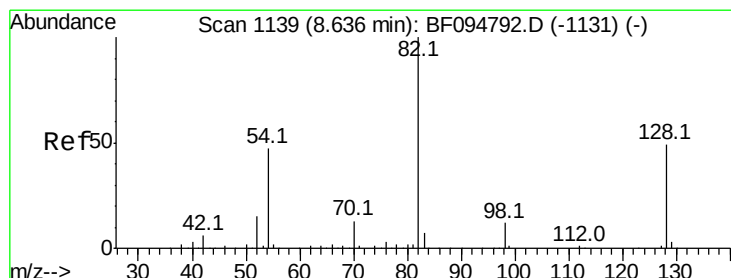
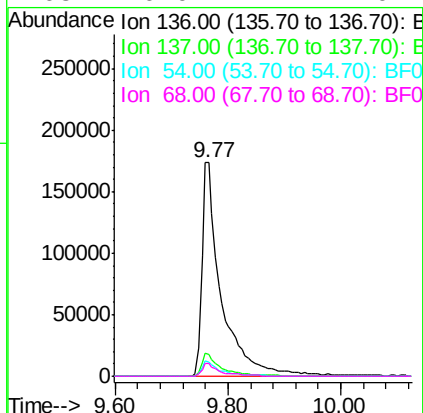
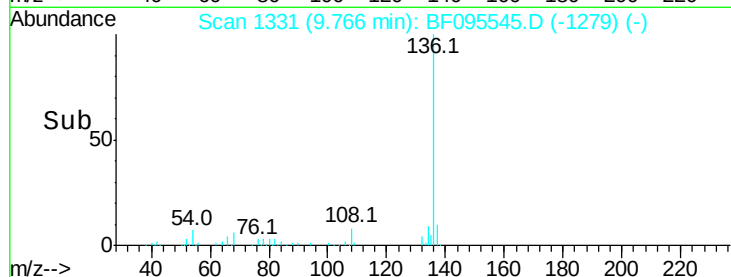
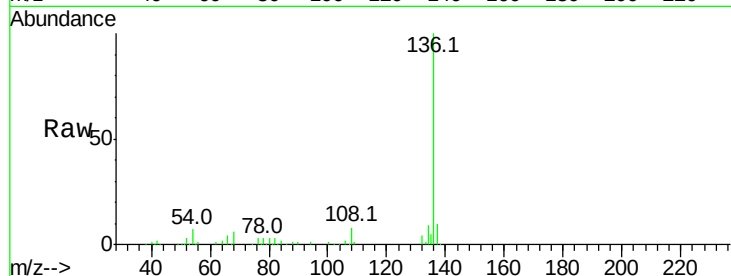




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.77 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF095545.D
Acq: 30 May 2017 20:24

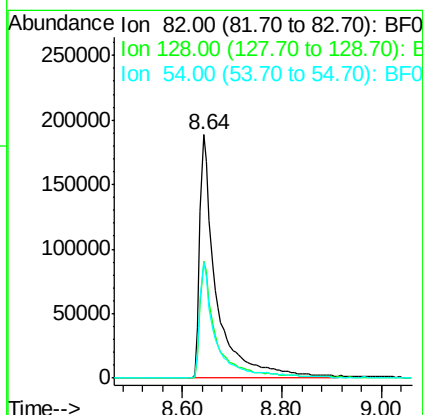
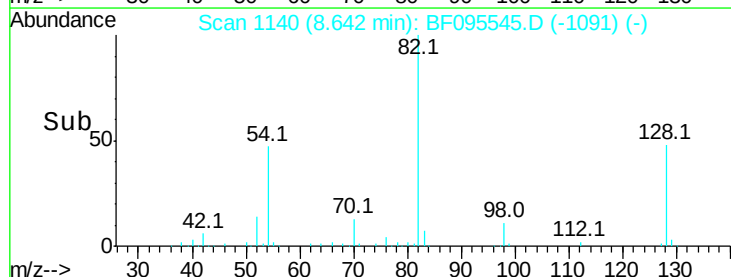
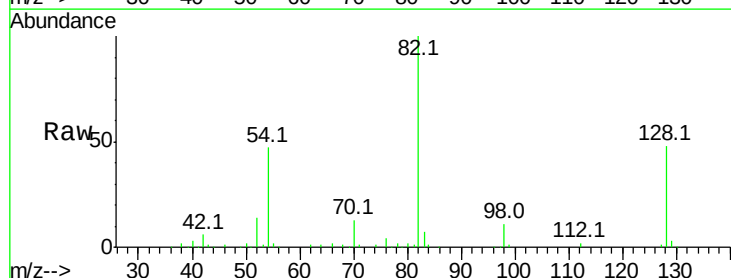
Instrument :
BNA_F
ClientSampleId :

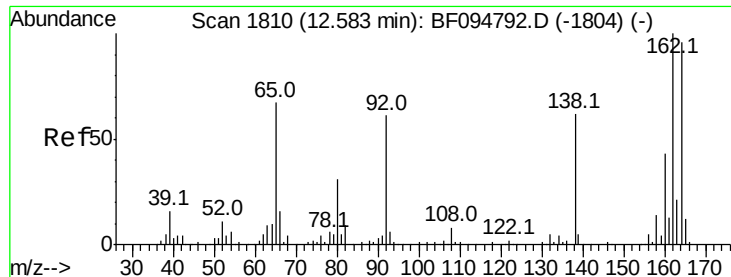
Tot Ion:136	Resp:	414149
Ion Ratio	Lower	Upper
136	100	
137	10.4	8.5 12.7
54	6.7	4.9 7.3
68	6.0	4.1 6.1



#23
Nitrobenzene-d5
Concen: 67.08 ng
RT: 8.64 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF095545.D
Acq: 30 May 2017 20:24

Tgt Ion: 82	Resp:	440556
Ion Ratio	Lower	Upper
82	100	
128	47.8	34.0 51.0
54	47.3	42.2 63.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.59 min Scan# 1812

Delta R.T. -0.00 min

Lab File: BF095545.D

Acq: 30 May 2017 20:24

Instrument :

BNA_F

ClientSampleId :

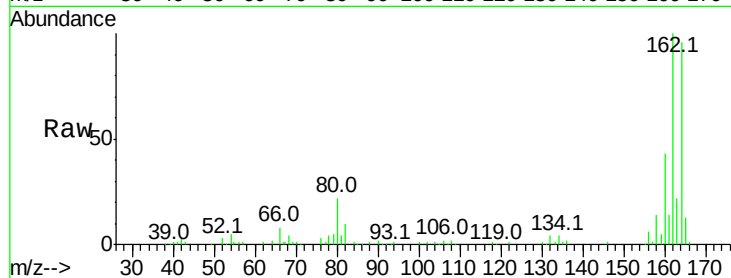
Tot Ion:164 Resp: 156773

Ion Ratio Lower Upper

164 100

162 104.4 82.6 123.8

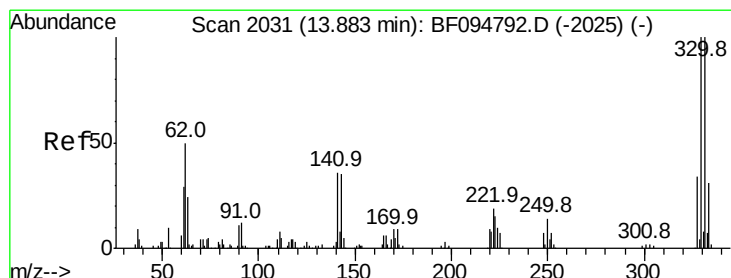
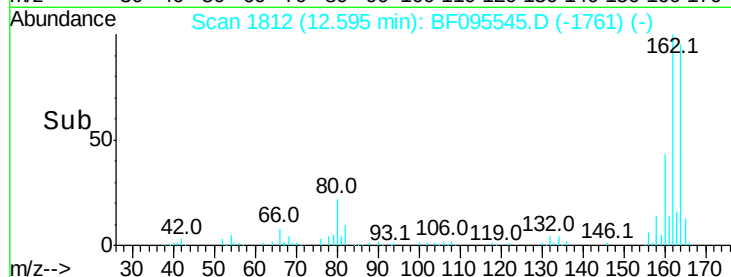
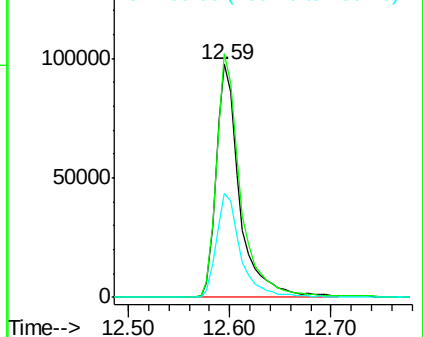
160 44.6 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 85.49 ng

RT: 13.90 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF095545.D

Acq: 30 May 2017 20:24

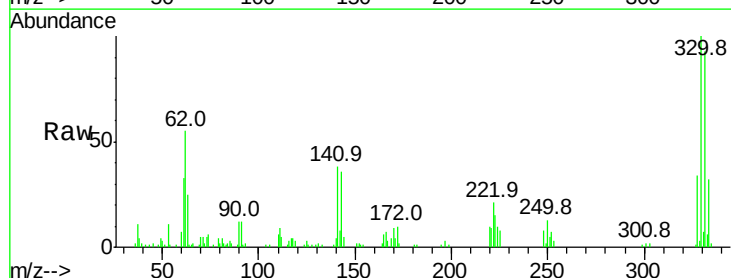
Tgt Ion:330 Resp: 109757

Ion Ratio Lower Upper

330 100

332 97.1 76.6 115.0

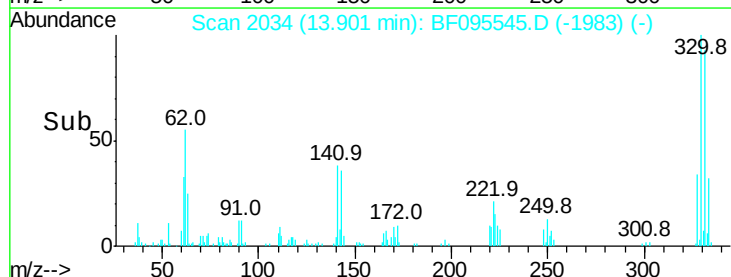
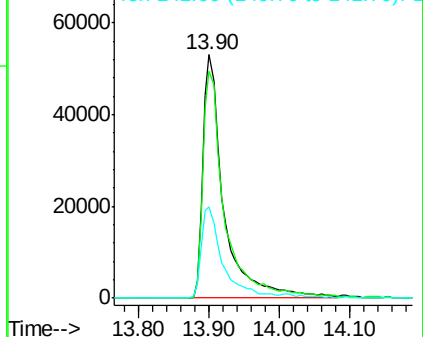
141 38.2 31.4 47.2

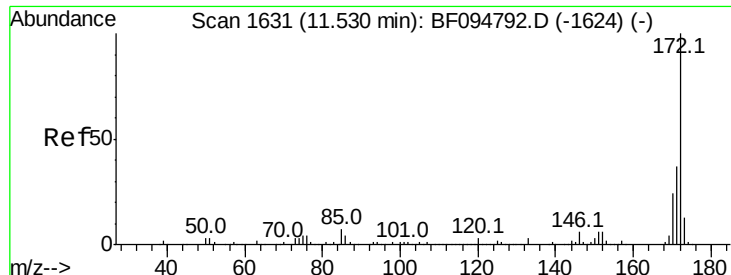


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

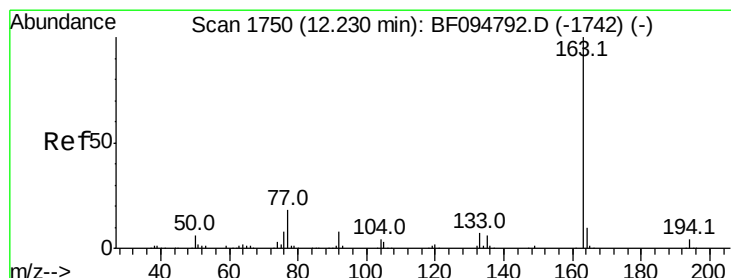
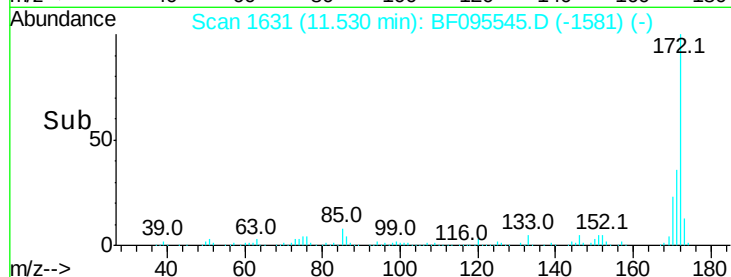
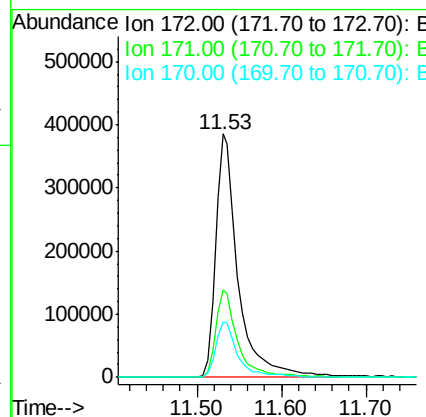
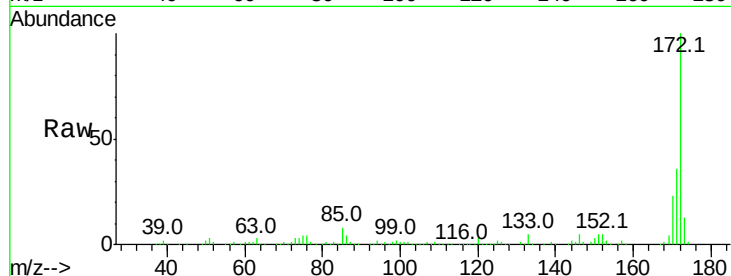




#44
2-Fluorobiphenyl
Concen: 65.97 ng
RT: 11.53 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BF095545.D
Acq: 30 May 2017 20:24

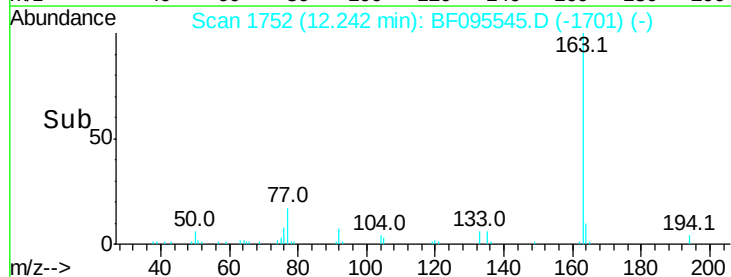
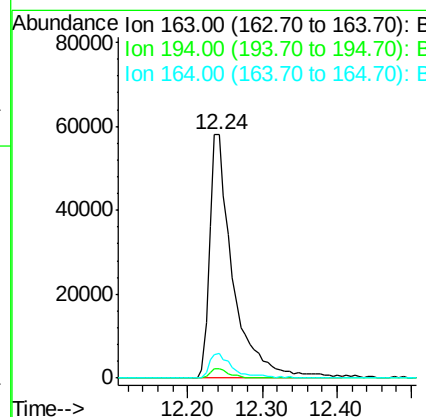
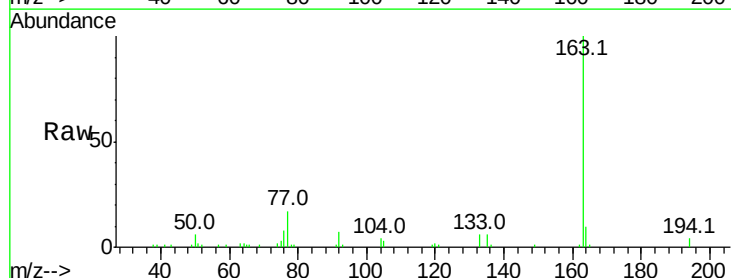
Instrument :
BNA_F
ClientSampleId :

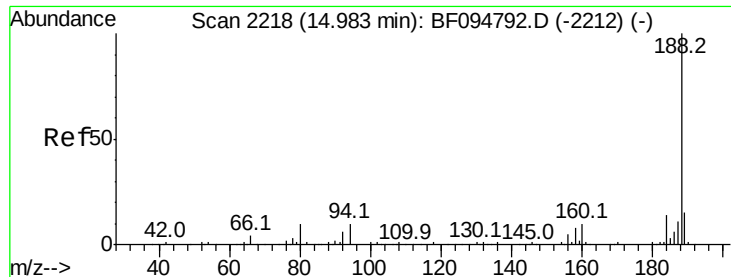
Tot Ion:172 Resp: 718572
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 22.8 19.8 29.8



#49
Dimethylphthalate
Concen: 9.81 ng
RT: 12.24 min Scan# 1752
Delta R.T. -0.00 min
Lab File: BF095545.D
Acq: 30 May 2017 20:24

Tgt Ion:163 Resp: 126223
Ion Ratio Lower Upper
163 100
194 3.8 2.6 4.0
164 10.3 8.4 12.6

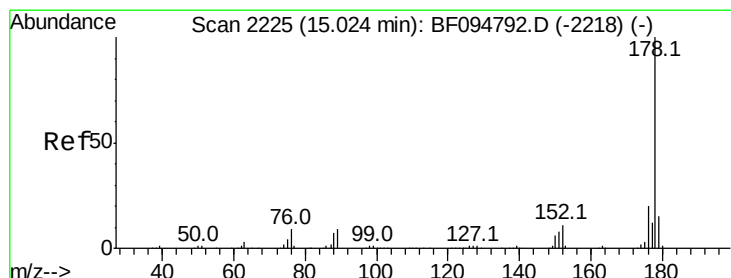
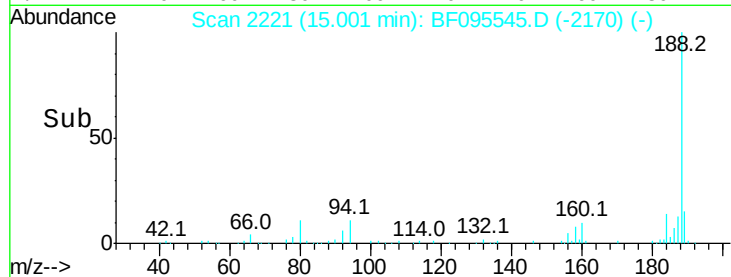
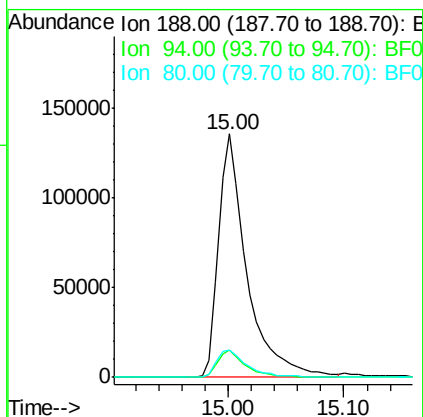
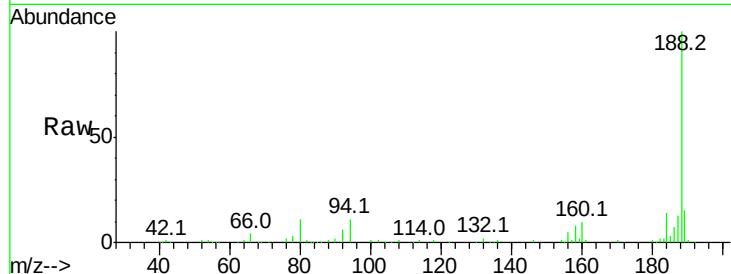




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.00 min Scan# 2221
 Delta R.T. -0.00 min
 Lab File: BF095545.D
 Acq: 30 May 2017 20:24

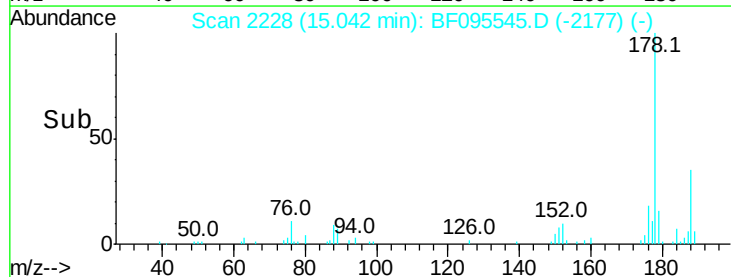
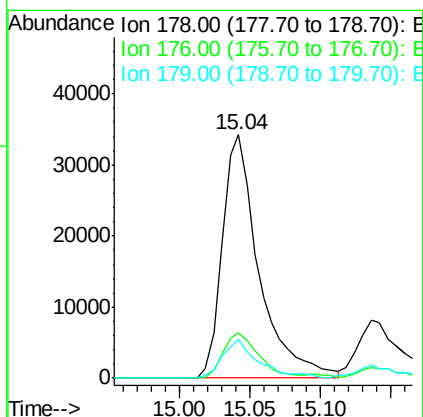
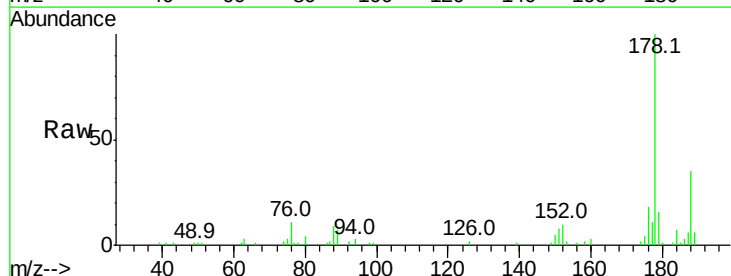
Instrument :
 BNA_F
 ClientSampleId :

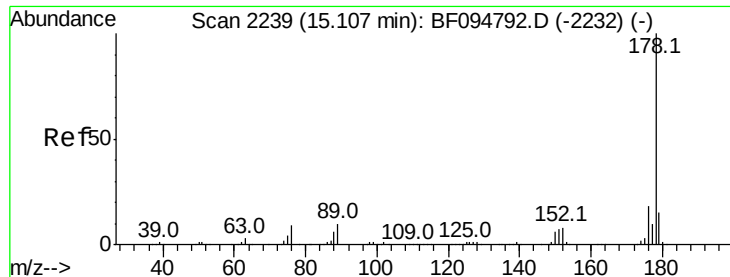
Tot Ion:188 Resp: 230332
 Ion Ratio Lower Upper
 188 100
 94 11.2 9.4 14.2
 80 11.2 10.2 15.2



#70
 Phenanthrene
 Concen: 4.69 ng
 RT: 15.04 min Scan# 2228
 Delta R.T. -0.00 min
 Lab File: BF095545.D
 Acq: 30 May 2017 20:24

Tgt Ion:178 Resp: 62044
 Ion Ratio Lower Upper
 178 100
 176 18.3 16.2 24.4
 179 16.1 12.6 19.0

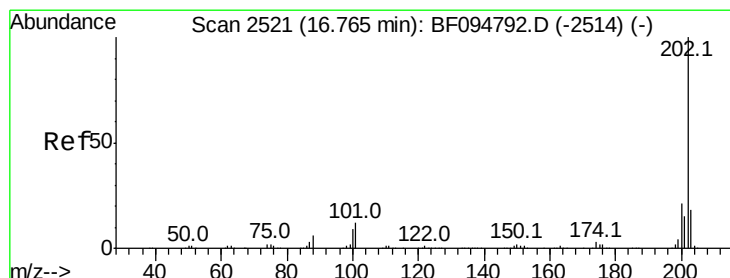
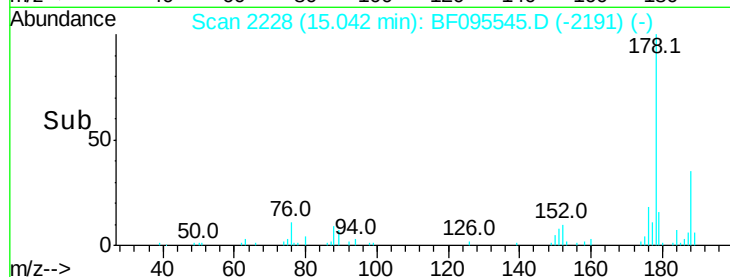
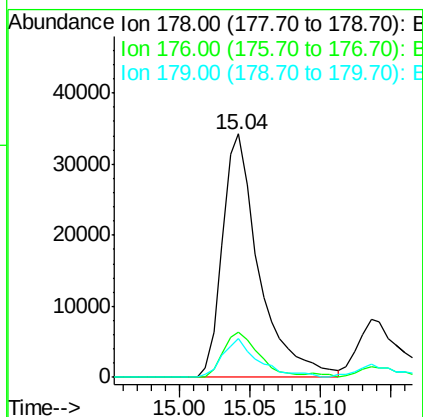
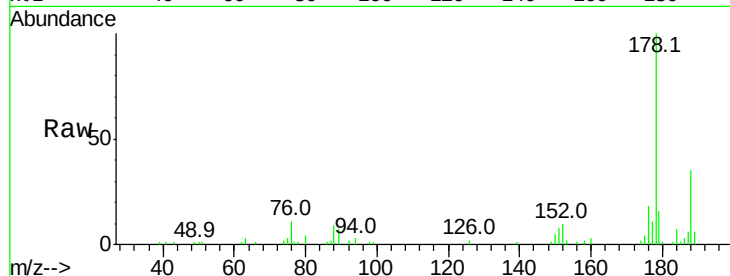




#71
 Anthracene
 Concen: 4.59 ng
 RT: 15.04 min Scan# 2228
 Delta R.T. -0.08 min
 Lab File: BF095545.D
 Acq: 30 May 2017 20:24

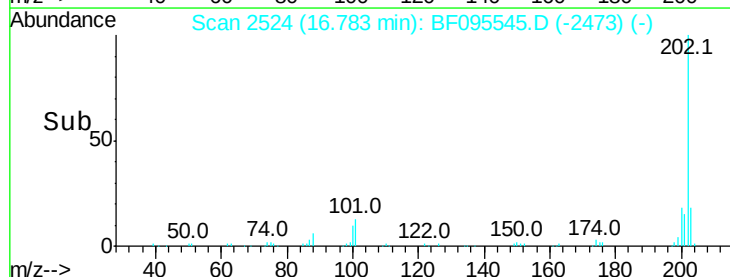
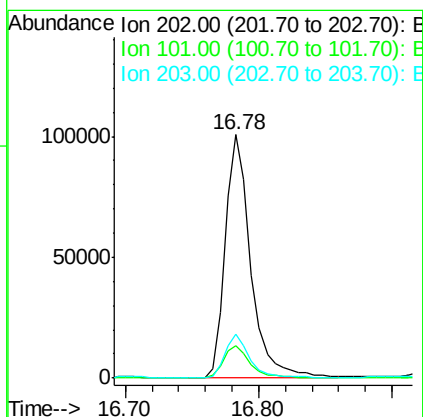
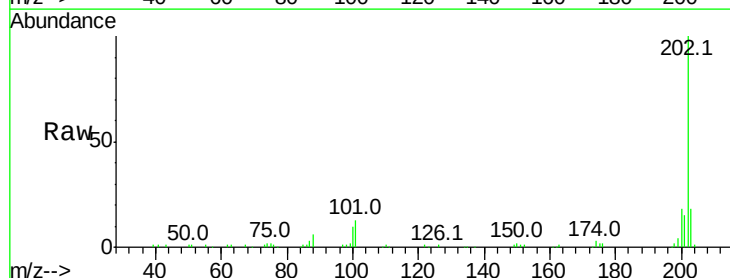
Instrument :
 BNA_F
 ClientSampleId :

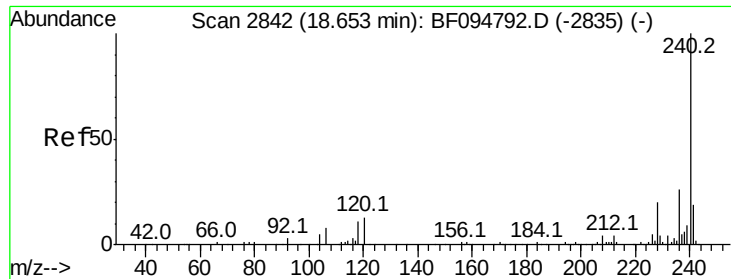
Tot Ion:178 Resp: 62044
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.8 23.8
 179 16.1 12.7 19.1



#74
 Fluoranthene
 Concen: 10.04 ng
 RT: 16.78 min Scan# 2524
 Delta R.T. -0.00 min
 Lab File: BF095545.D
 Acq: 30 May 2017 20:24

Tgt Ion:202 Resp: 136293
 Ion Ratio Lower Upper
 202 100
 101 13.3 0.0 33.2
 203 18.3 0.0 38.1

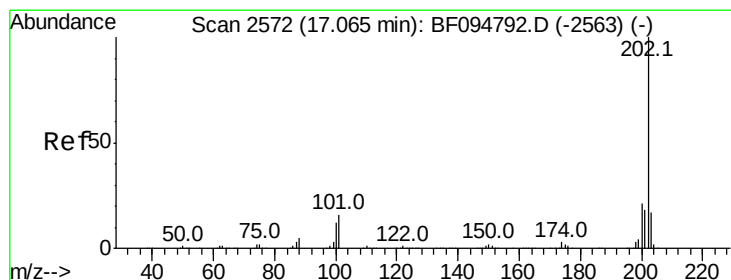
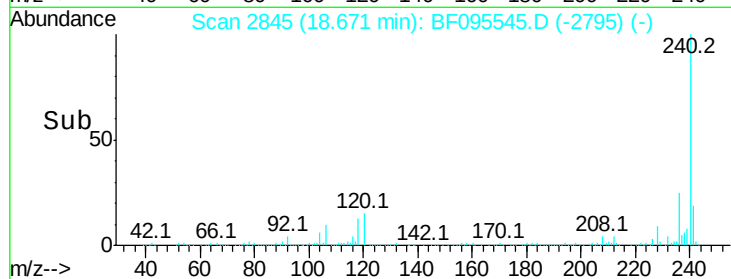
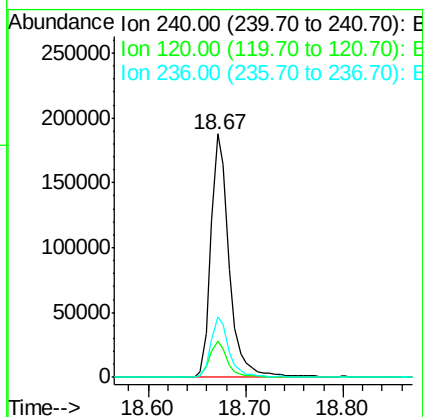
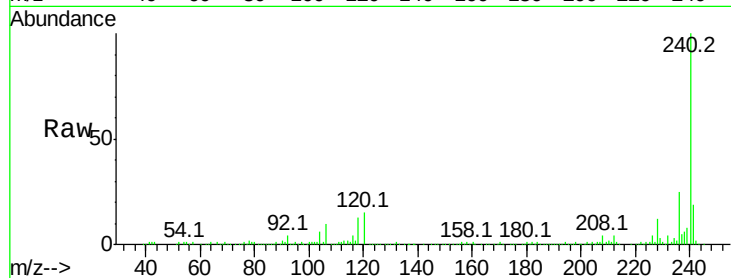




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.67 min Scan# 2845
 Delta R.T. -0.01 min
 Lab File: BF095545.D
 Acq: 30 May 2017 20:24

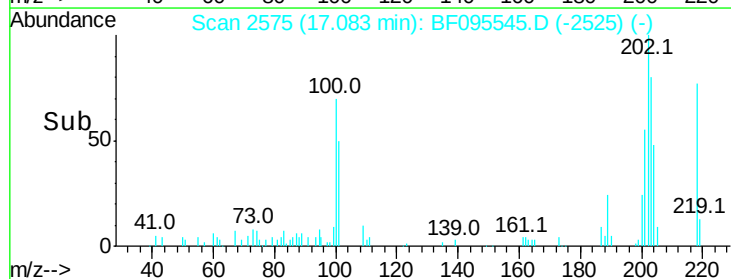
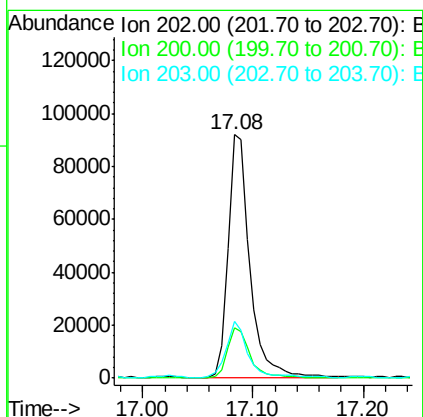
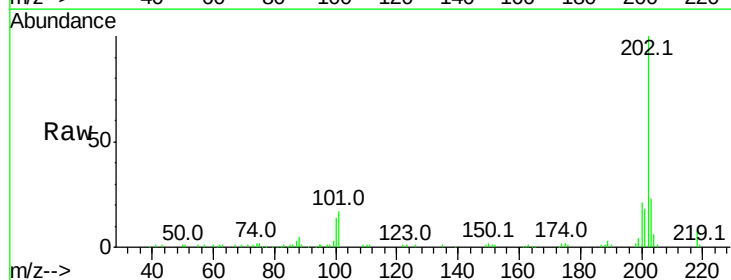
Instrument :
 BNA_F
 ClientSampled :

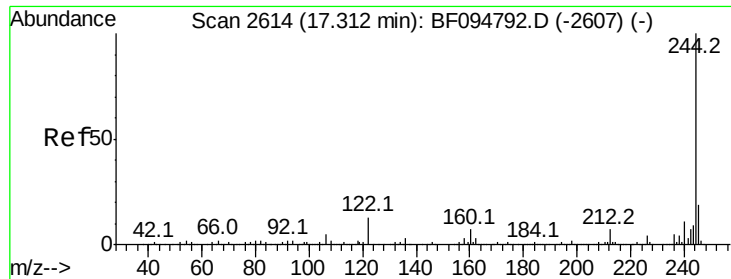
Tot Ion:240 Resp: 244531
 Ion Ratio Lower Upper
 240 100
 120 14.7 5.8 8.8#
 236 24.8 20.5 30.7



#77
 Pyrene
 Concen: 6.88 ng
 RT: 17.08 min Scan# 2575
 Delta R.T. -0.01 min
 Lab File: BF095545.D
 Acq: 30 May 2017 20:24

Tgt Ion:202 Resp: 125894
 Ion Ratio Lower Upper
 202 100
 200 20.8 17.6 26.4
 203 23.1 14.4 21.6#





#78

Terphenyl-d14

Concen: 39.14 ng

RT: 17.31 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BF095545.D

Acq: 30 May 2017 20:24

Instrument :

BNA_F

ClientSampleId :

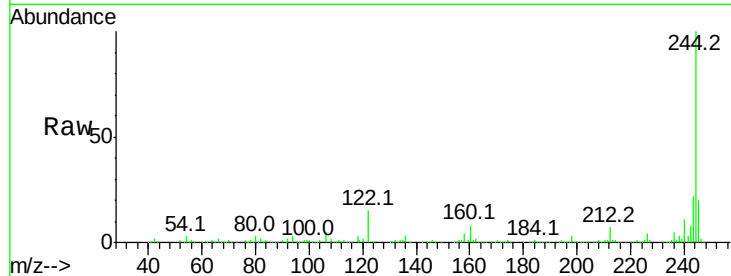
Tot Ion:244 Resp: 434498

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

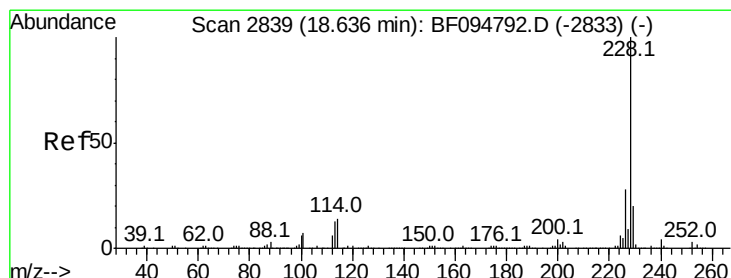
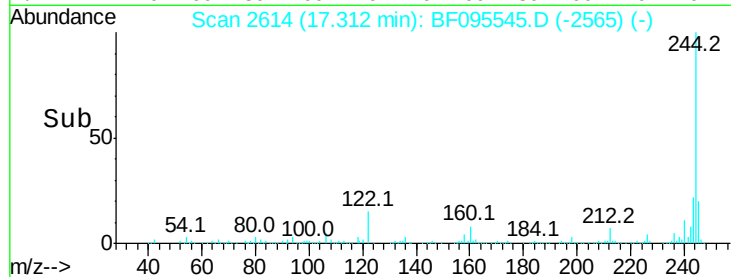
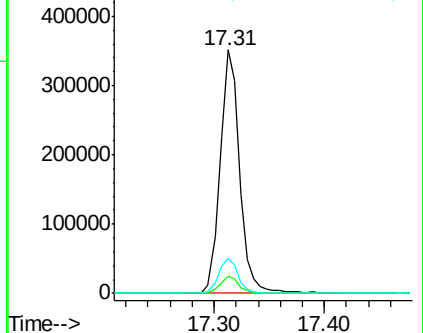
122 14.5 10.3 15.5



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: 4.60 ng

RT: 18.66 min Scan# 2843

Delta R.T. -0.01 min

Lab File: BF095545.D

Acq: 30 May 2017 20:24

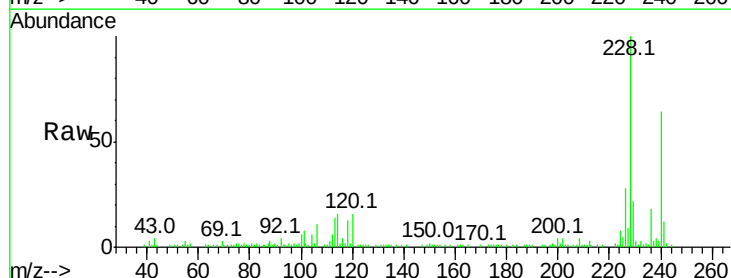
Tgt Ion:228 Resp: 65427

Ion Ratio Lower Upper

228 100

226 27.5 22.6 33.8

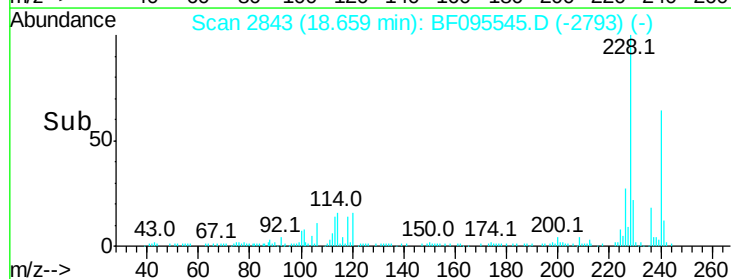
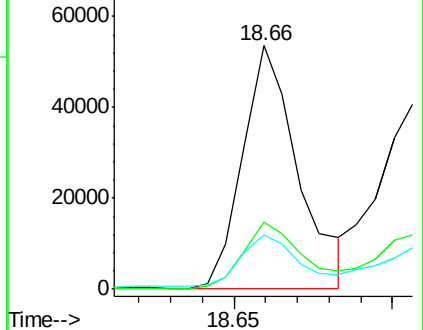
229 22.4 16.3 24.5

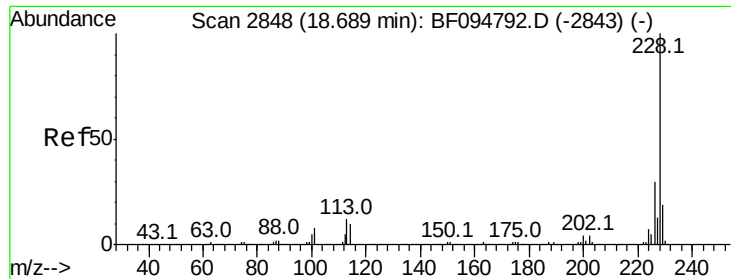


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

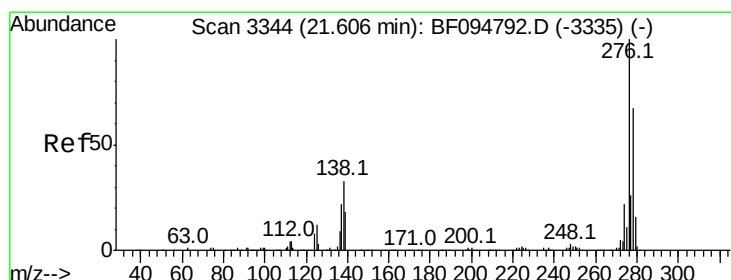
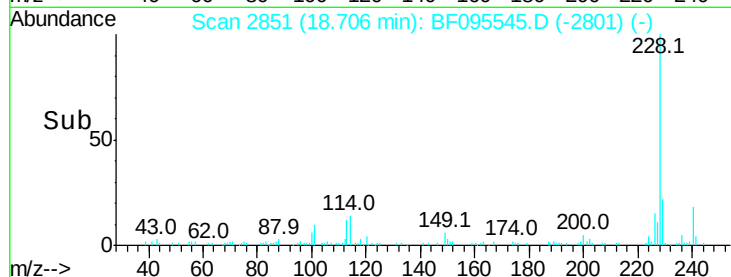
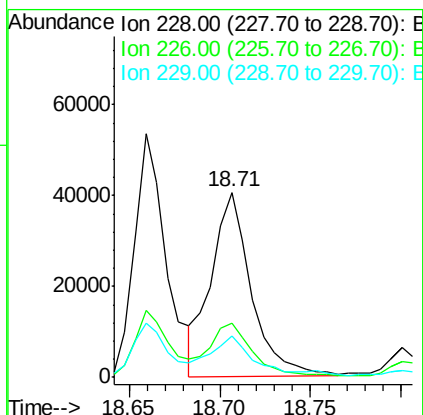
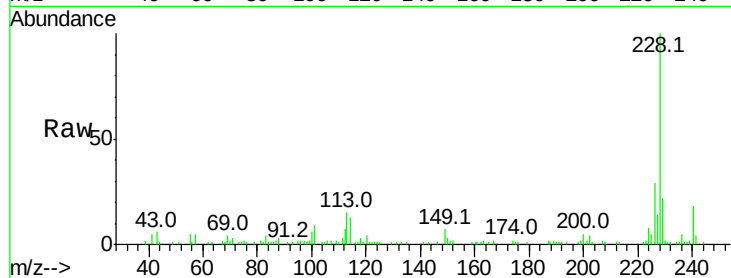




#82
Chrysene
Concen: 4.52 ng
RT: 18.71 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BF095545.D
Acq: 30 May 2017 20:24

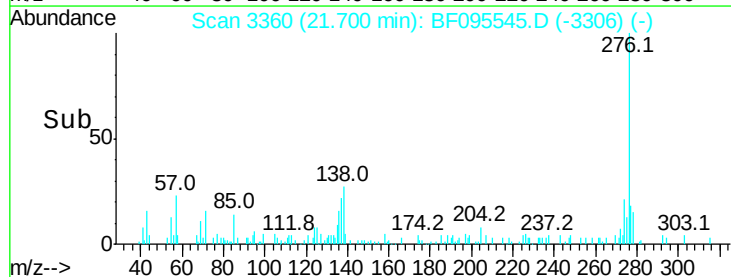
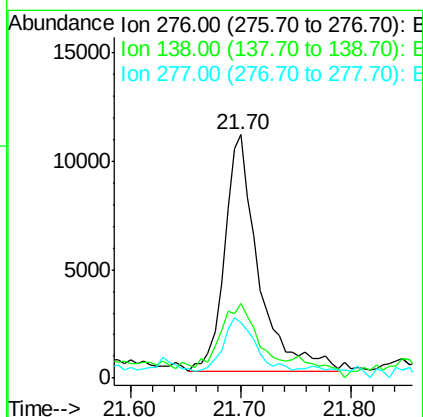
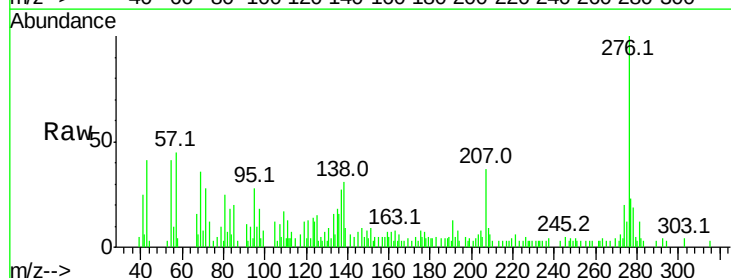
Instrument :
BNA_F
ClientSampleId :

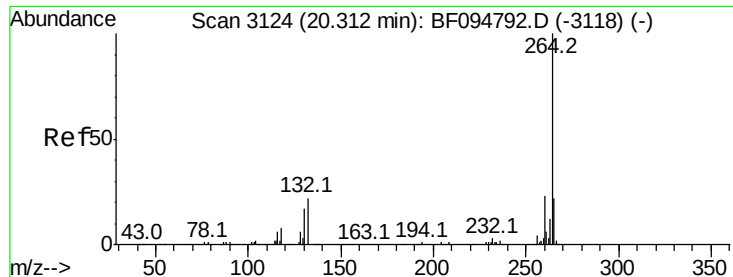
Tot Ion:228 Resp: 62197
Ion Ratio Lower Upper
228 100
226 29.4 24.9 37.3
229 22.3 15.8 23.6



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.10 ng
RT: 21.70 min Scan# 3360
Delta R.T. 0.02 min
Lab File: BF095545.D
Acq: 30 May 2017 20:24

Tgt Ion:276 Resp: 23437
Ion Ratio Lower Upper
276 100
138 28.0 27.8 41.6
277 20.9 20.2 30.4



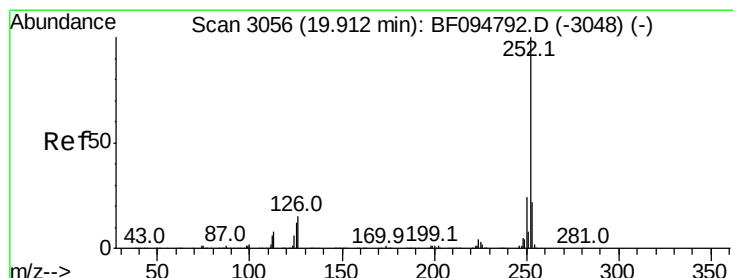
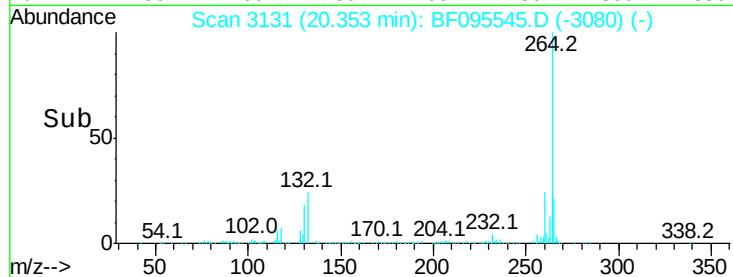
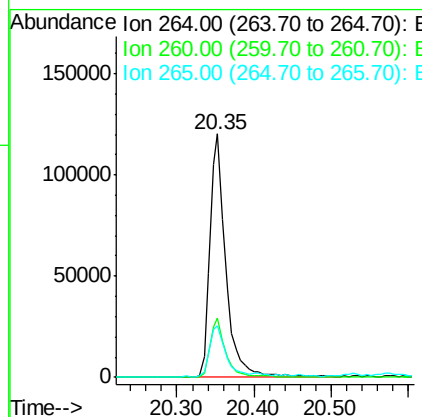
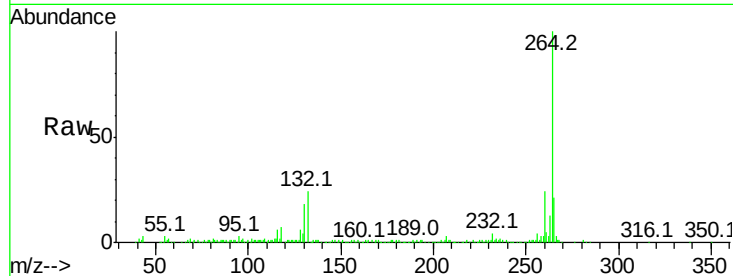


#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. -0.00 min
Lab File: BF095545.D
Acq: 30 May 2017 20:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 170510

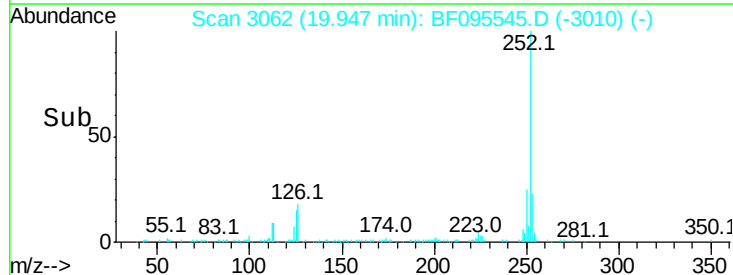
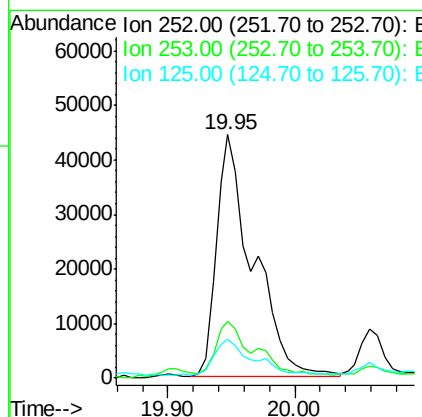
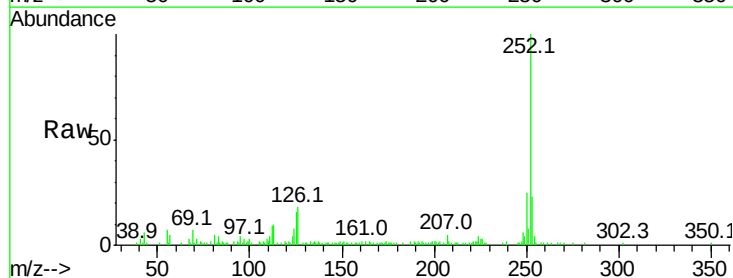
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	21.1	17.2	25.8

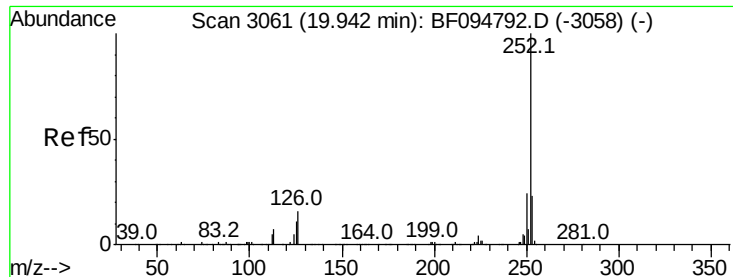


#87
Benzo(b)fluoranthene
Concen: 8.44 ng
RT: 19.95 min Scan# 3062
Delta R.T. 0.01 min
Lab File: BF095545.D
Acq: 30 May 2017 20:24

Tgt Ion:252 Resp: 88937

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	16.0	9.8	14.8

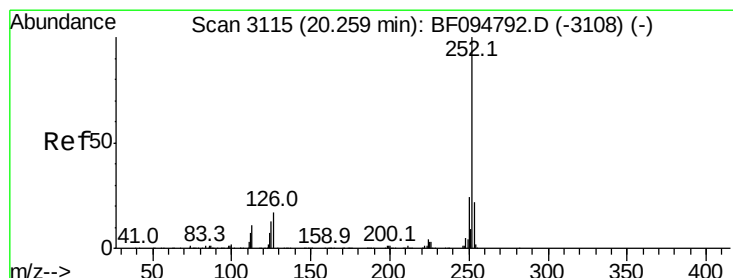
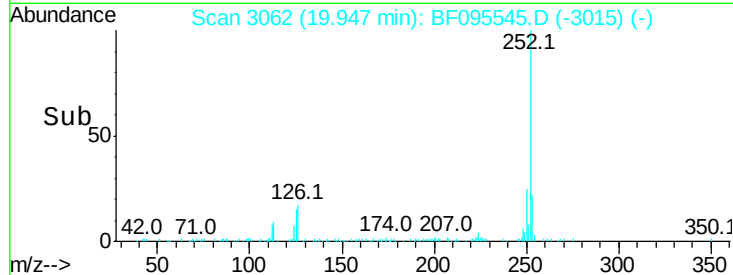
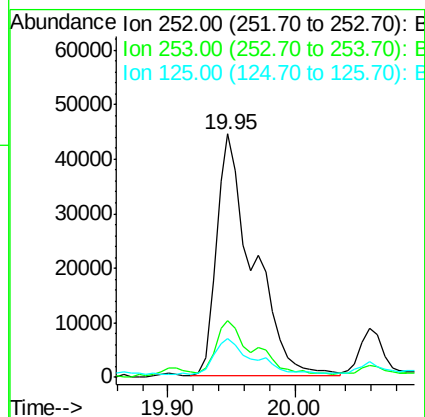
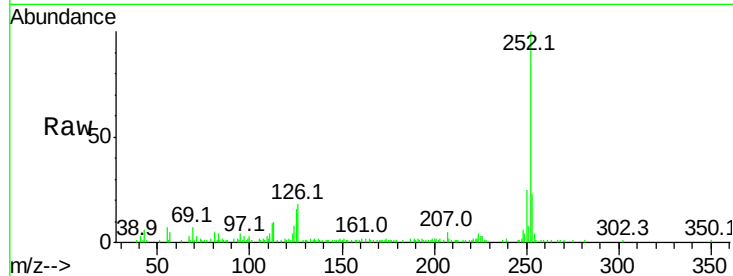




#88
 Benzo(k)fluoranthene
 Concen: 8.75 ng
 RT: 19.95 min Scan# 3062
 Delta R.T. -0.02 min
 Lab File: BF095545.D
 Acq: 30 May 2017 20:24

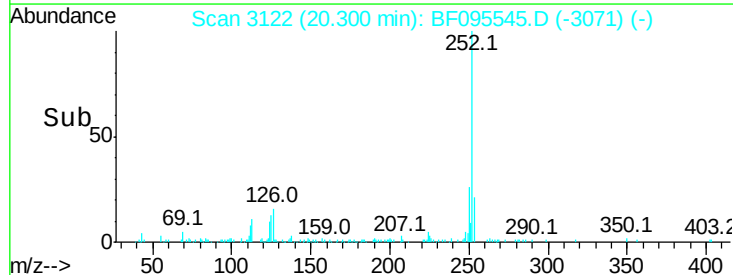
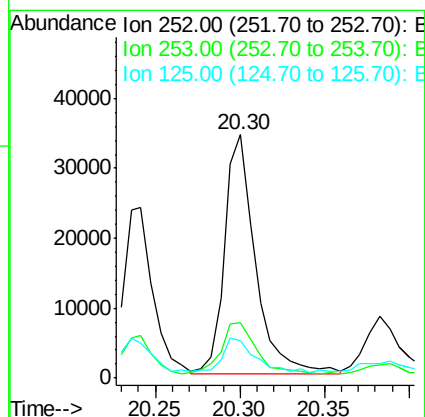
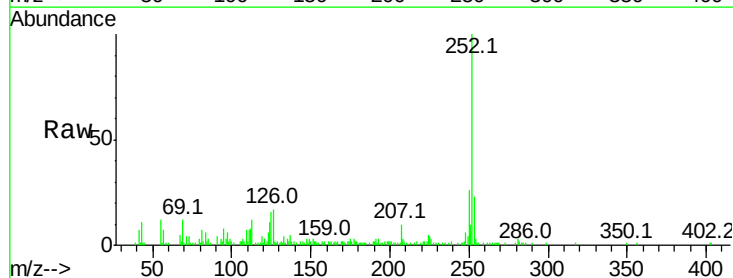
Instrument :
 BNA_F
 ClientSampled :

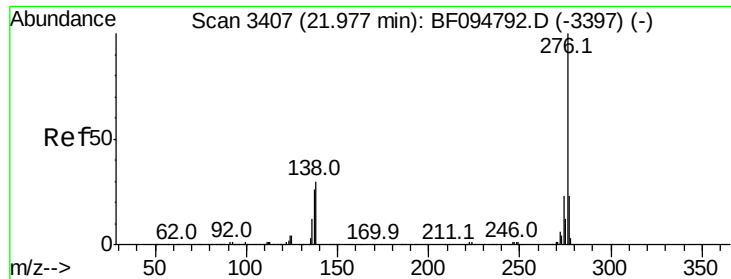
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.4	27.6
125	16.0	13.1	19.7



#89
 Benzo(a)pyrene
 Concen: 4.50 ng
 RT: 20.30 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: BF095545.D
 Acq: 30 May 2017 20:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	15.5	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 3.21 ng
 RT: 22.09 min Scan# 3426
 Delta R.T. 0.02 min
 Lab File: BF095545.D
 Acq: 30 May 2017 20:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.9	18.6	28.0
138	32.7	25.4	38.0

