Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051017\
Data File : BF095073.D
Acq On : 11 May 2017 00:22
Operator : SJ/MA
Sample : I3037-08 100X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB409A

Quant Time: May 11 07:15:39 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	7.71	152	82743	20.00	ng		-0.02
21) Naphthalene-d8	9.72	136	334902	20.00	ng		-0.03
38) Acenaphthene-d10	12.55	164	155866	20.00	ng		-0.03
63) Phenanthrene-d10	14.95	188	286993	20.00	ng		-0.03
75) Chrysene-d12	18.63	240	211947	20.00	ng		-0.02
86) Perylene-d12	20.29	264	190192	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	0.00	112	0	0.00	ng		
7) Phenol-d6	7.51	99	1030	0.17	ng		0.23
23) Nitrobenzene-d5	8.70	82	1213	0.23	ng		0.06
41) 2,4,6-Tribromophenol	13.89	330	807	0.63	ng		0.01
44) 2-Fluorobiphenyl	11.50	172	7807	0.72	ng		-0.03
78) Terphenyl-d14	17.28	244	8520	0.89	ng		-0.03
Target Compounds							Qvalue
31) Naphthalene	9.76	128	553778	32.90	ng		99
32) Benzoic acid	9.76	122	1133	5.40	ng	#	1
33) 4-Chloroaniline	9.76	127	72737	11.60	ng	#	32
37) 2-Methylnaphthalene	10.88	142	415473	37.61	ng		96
45) 1,1'-Biphenyl	11.65	154	79150	6.03	ng		94
48) Acenaphthylene	12.32	152	139702	8.42	ng		98
51) Acenaphthene	12.61	154	26593	2.68	ng		97
57) Fluorene	13.45	166	110632	9.27	ng		100
70) Phenanthrene	14.99	178	602081	36.51	ng		98
71) Anthracene	15.08	178	128220	7.61	ng		97
74) Fluoranthene	16.74	202	155319	9.18	ng		98
77) Pyrene	17.04	202	421213	26.57	ng		99
80) Benzo(a)anthracene	18.67	228	75018	6.08	ng		99
82) Chrysene	18.67	228	75018	6.29	ng		97
85) Indeno(1,2,3-cd)pyrene	21.61	276	27293	2.82	ng		90
87) Benzo(b)fluoranthene	19.90	252	58527	4.98	ng	#	96
88) Benzo(k)fluoranthene	19.90	252	58527	5.16	ng		99
89) Benzo(a)pyrene	20.24	252	74221	6.84	ng		97
91) Benzo(g,h,i)perylene	21.98	276	37925	4.32	ng		96

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051017\
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Acq On : 11 May 2017 00:22
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Misc :
ALS Vial : 19 Sample Multiplier: 1

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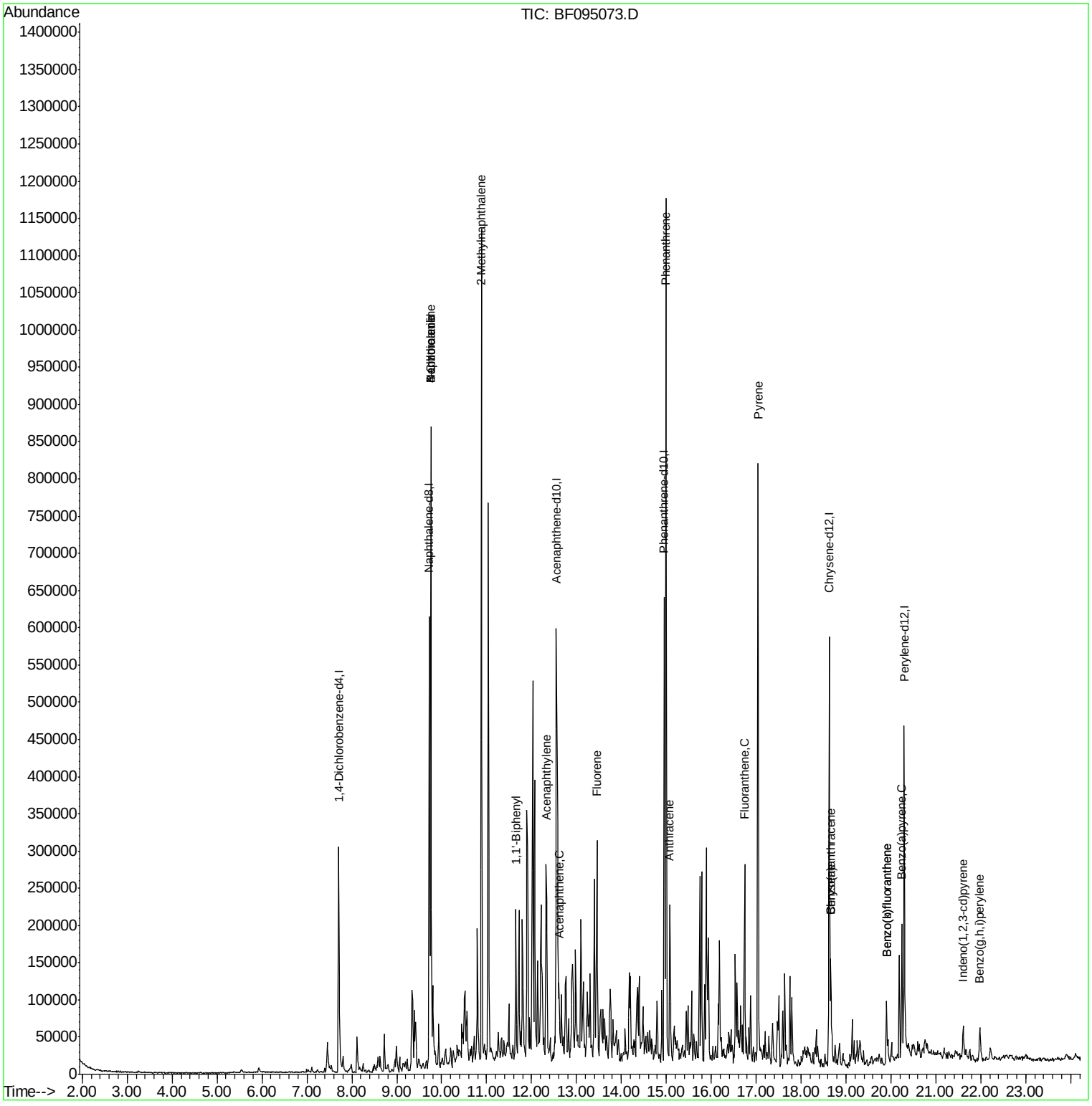
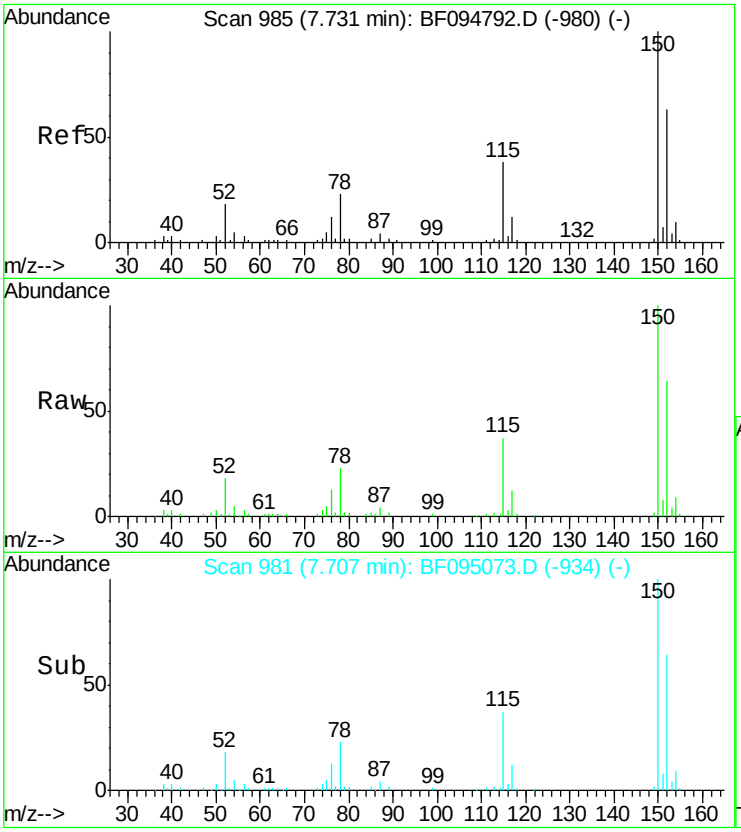


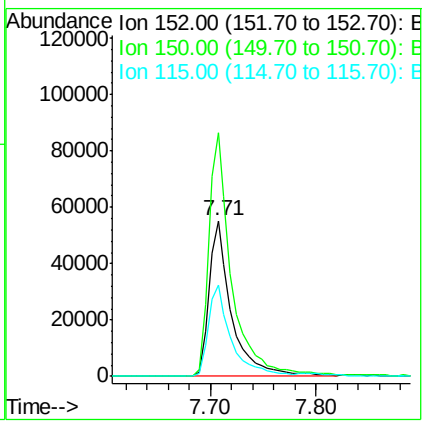


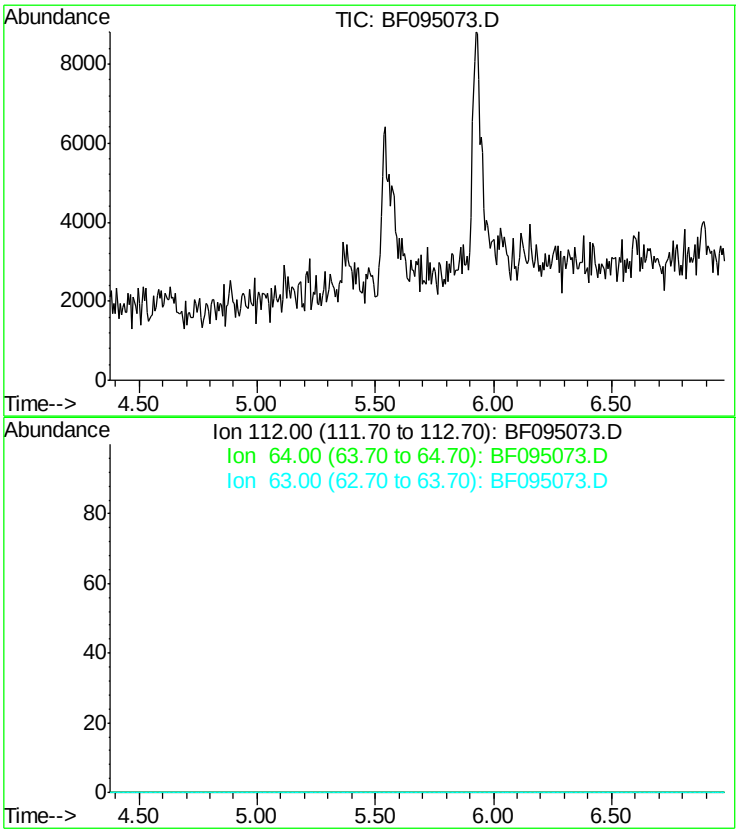
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.71 min Scan# 981
Delta R.T. -0.02 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Instrument :
BNA_F
ClientSampleId :
HY-SB409A

Tgt Ion:152 Resp: 82743

Ion	Ratio	Lower	Upper
152	100		
150	156.3	126.2	189.2
115	58.5	52.2	78.2



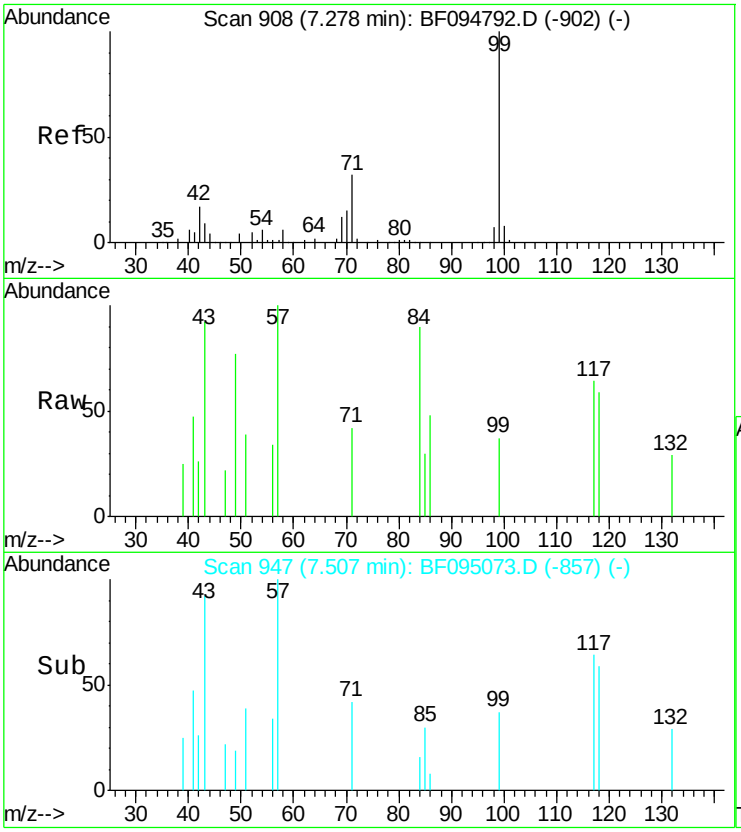


#5
2-Fluorophenol
Concen: 0.00 ng
Expected RT: 5.68 min

Lab File: BF095073.D
Acq: 11 May 2017 00:22

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	57.5
63	29.2

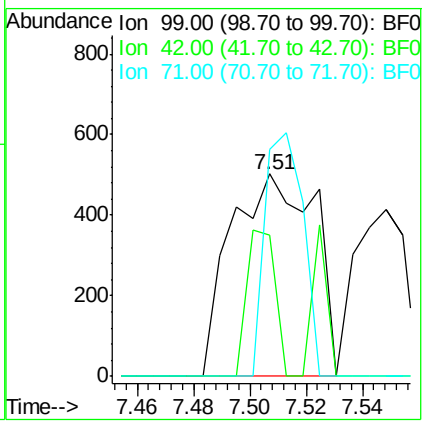


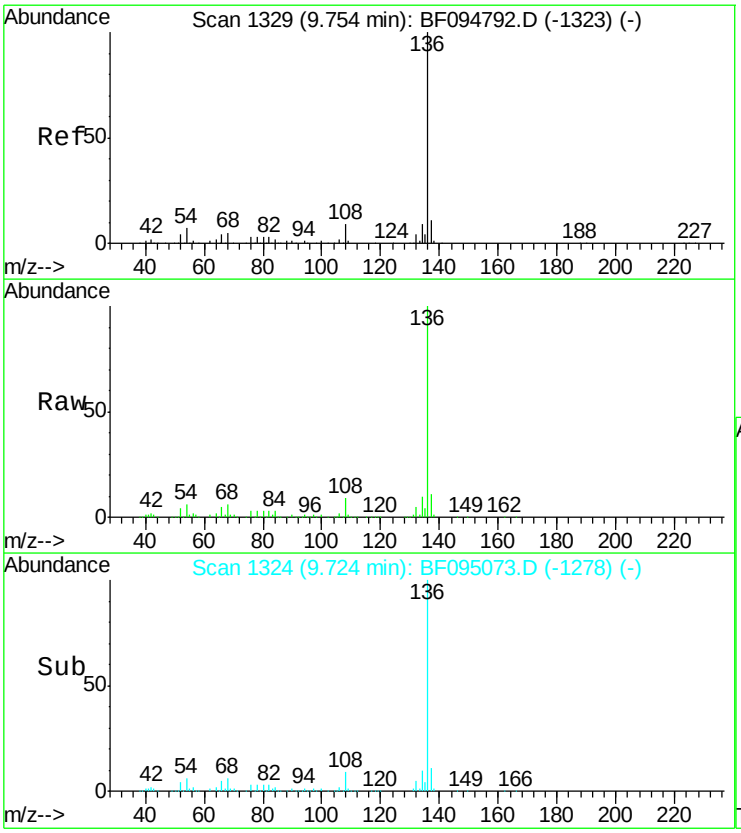
#7
Phenol-d6
Concen: 0.17 ng
RT: 7.51 min Scan# 947
Delta R.T. 0.23 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Instrument :
BNA_F
ClientSampleId :
HY-SB409A

Tgt Ion: 99 Resp: 1030

Ion	Ratio	Lower	Upper
99	100		
42	70.1	13.5	20.3#
71	112.4	24.5	36.7#

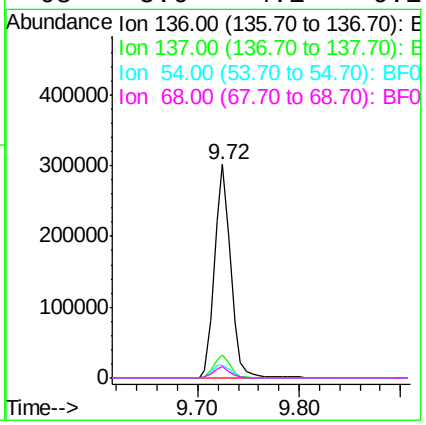


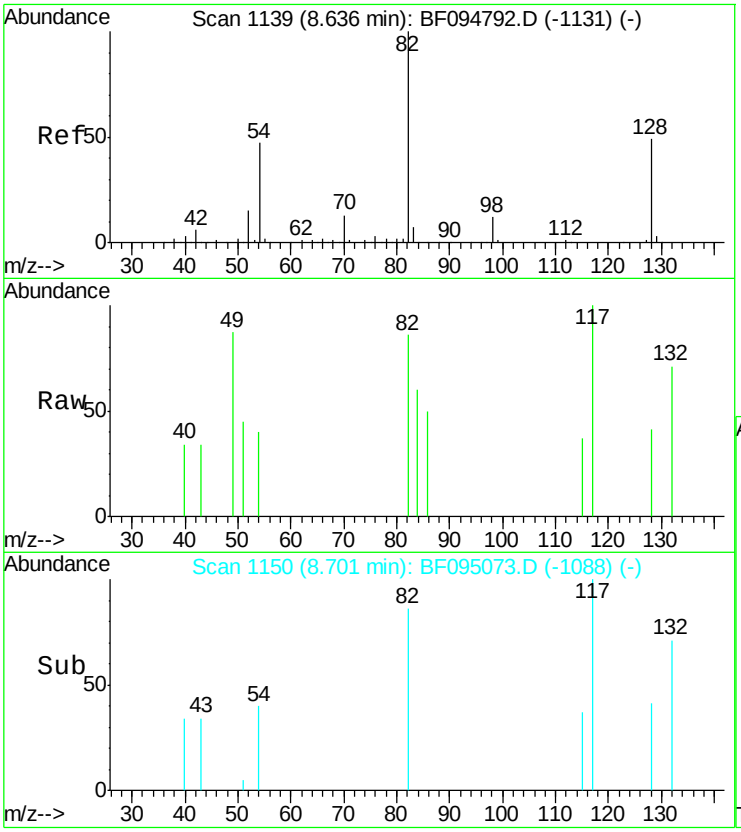


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.72 min Scan# 1324
Delta R.T. -0.03 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Tgt Ion:136 Resp: 334902

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	6.2	4.9	7.3
68	5.6	4.1	6.1



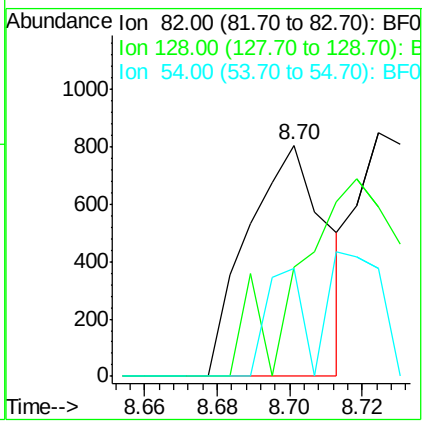


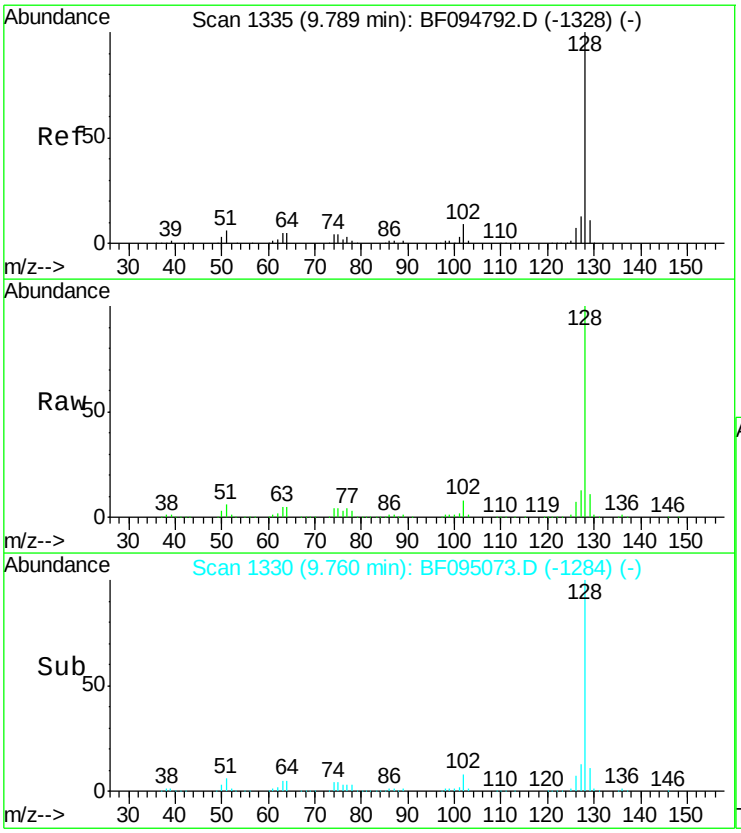
#23
Nitrobenzene-d5
Concen: 0.23 ng
RT: 8.70 min Scan# 1150
Delta R.T. 0.06 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Instrument :
BNA_F
ClientSampleId :
HY-SB409A

Tgt Ion: 82 Resp: 1213

Ion	Ratio	Lower	Upper
82	100		
128	47.4	34.0	51.0
54	46.7	42.2	63.2

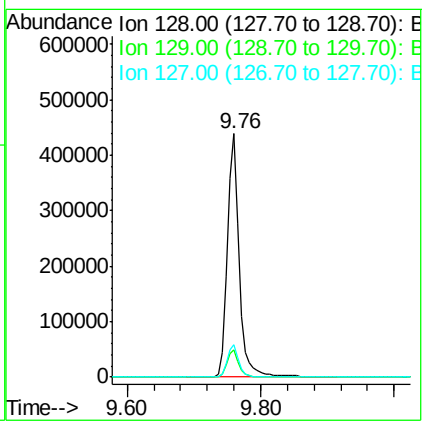


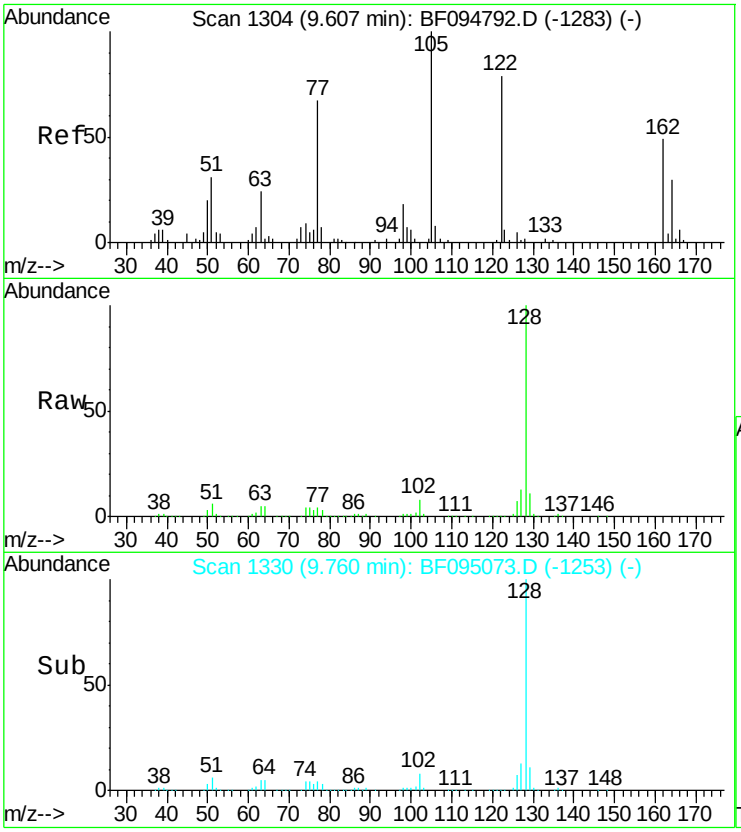


#31
Naphthalene
Concen: 32.90 ng
RT: 9.76 min Scan# 1330
Delta R.T. -0.03 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Tgt Ion:128 Resp: 553778

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	13.1	10.8	16.2



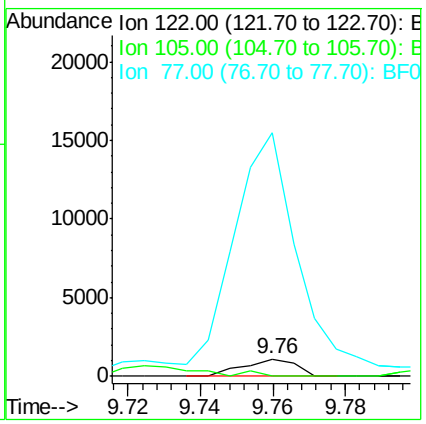


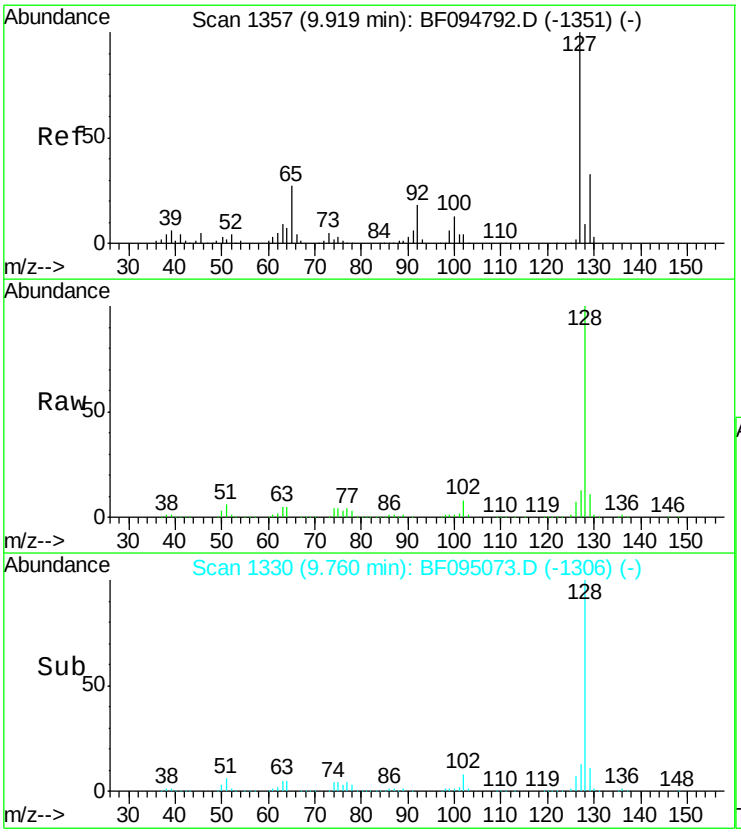
#32
Benzoic acid
Concen: 5.40 ng
RT: 9.76 min Scan# 1330
Delta R.T. 0.15 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Instrument :
BNA_F
ClientSampleId :
HY-SB409A

Tgt Ion:122 Resp: 1133

Ion	Ratio	Lower	Upper
122	100		
105	0.0	103.3	143.3#
77	1385.7	73.7	113.7#

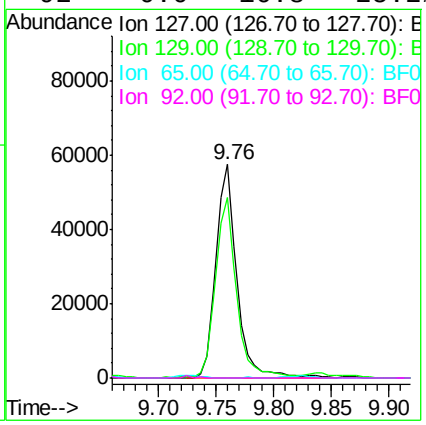


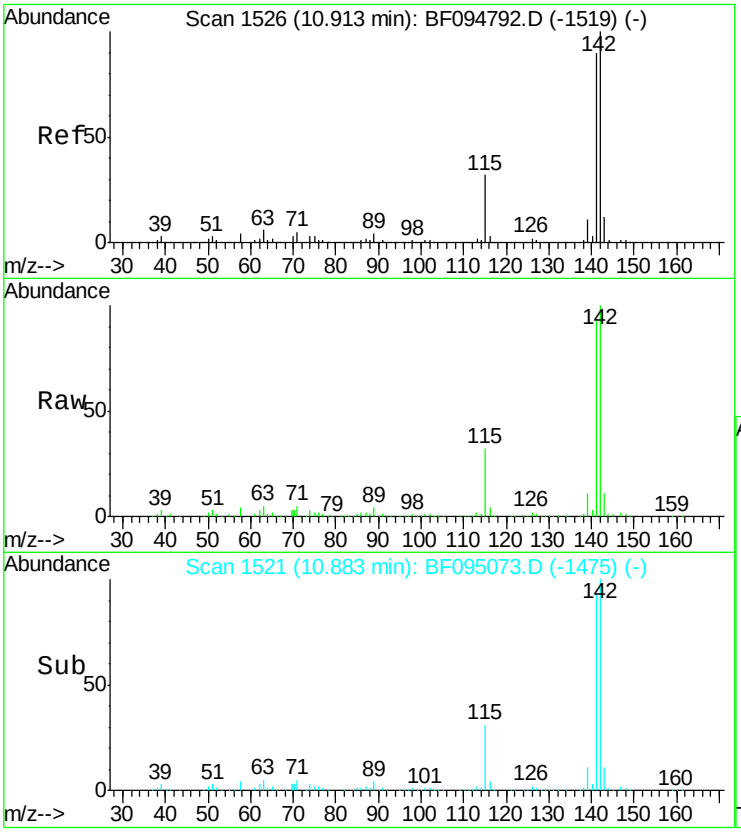


#33
4-Chloroaniline
Concen: 11.60 ng
RT: 9.76 min Scan# 1330
Delta R.T. -0.16 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Tgt Ion:127 Resp: 72737

Ion	Ratio	Lower	Upper
127	100		
129	84.3	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



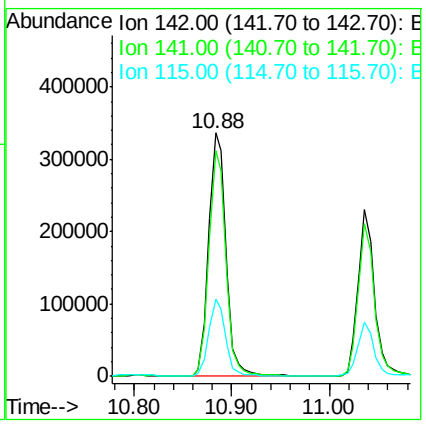


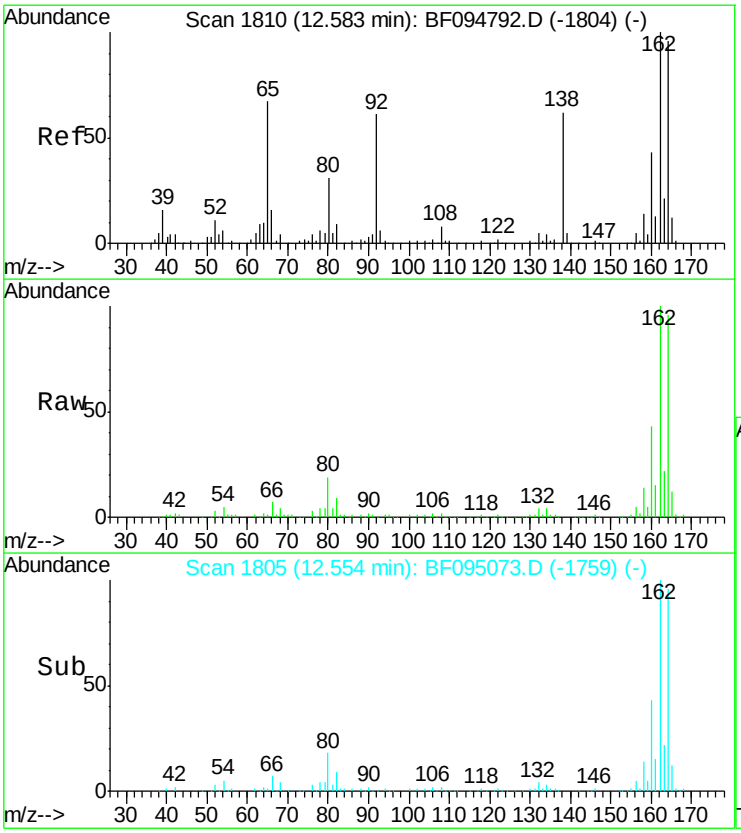
#37
2-Methylnaphthalene
Concen: 37.61 ng
RT: 10.88 min Scan# 1521
Delta R.T. -0.03 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Instrument :
BNA_F
ClientSampleId :
HY-SB409A

Tgt Ion:142 Resp: 415473

Ion	Ratio	Lower	Upper
142	100		
141	92.7	71.3	106.9
115	31.5	27.1	40.7

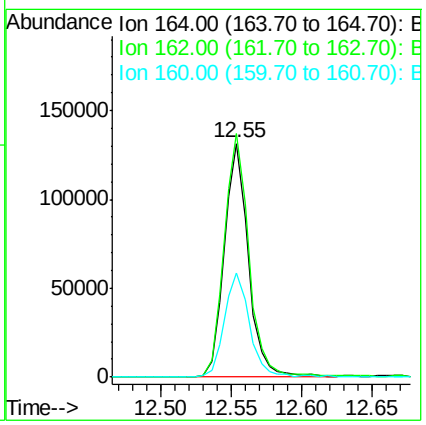


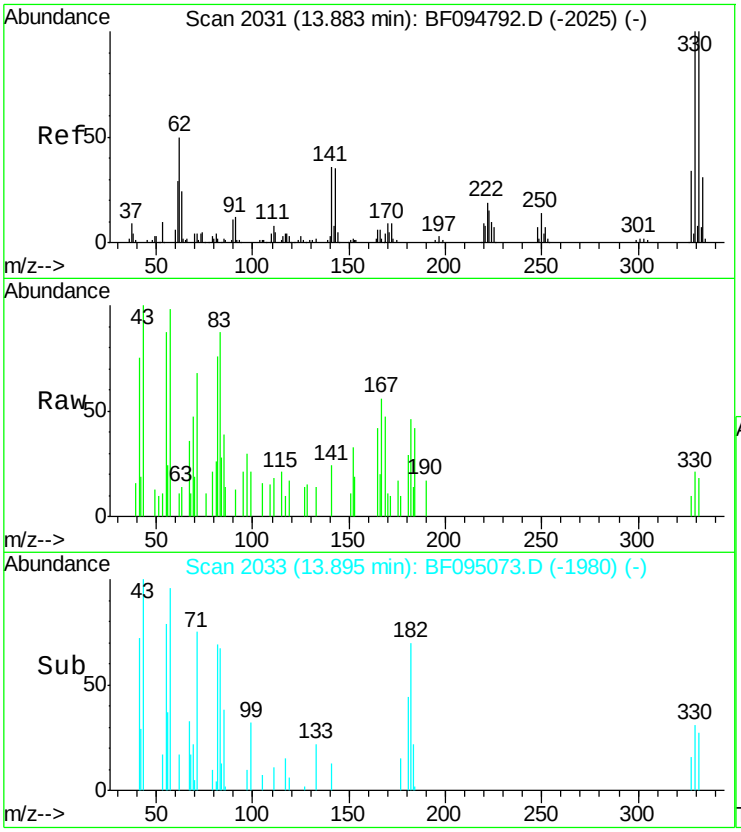


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.55 min Scan# 1805
Delta R.T. -0.03 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Tgt Ion:164 Resp: 155866

Ion	Ratio	Lower	Upper
164	100		
162	104.2	82.6	123.8
160	44.4	36.2	54.2



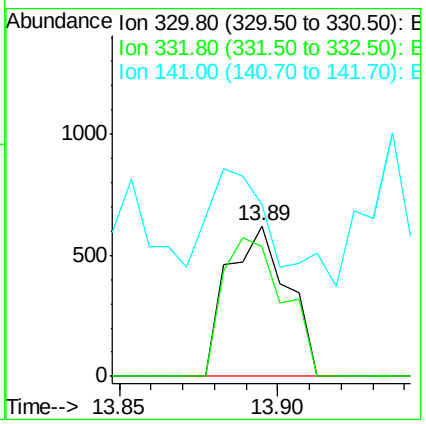


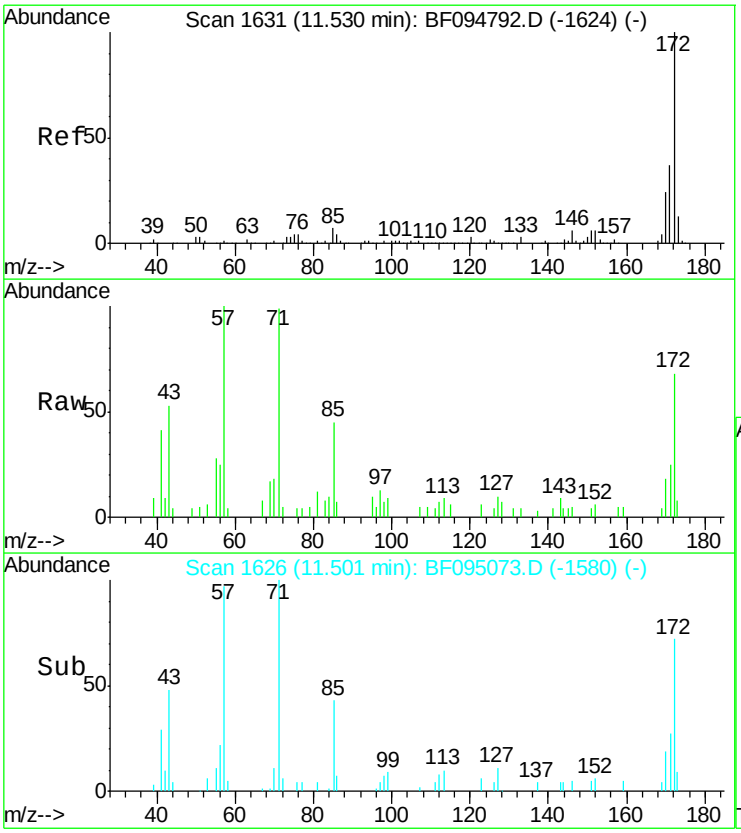
#41
2,4,6-Tribromophenol
Concen: 0.63 ng
RT: 13.89 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Instrument :
BNA_F
ClientSampleId :
HY-SB409A

Tgt Ion:330 Resp: 807

Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.6	115.0
141	62.2	31.4	47.2#

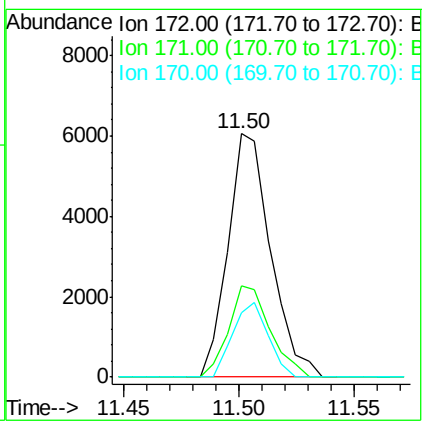


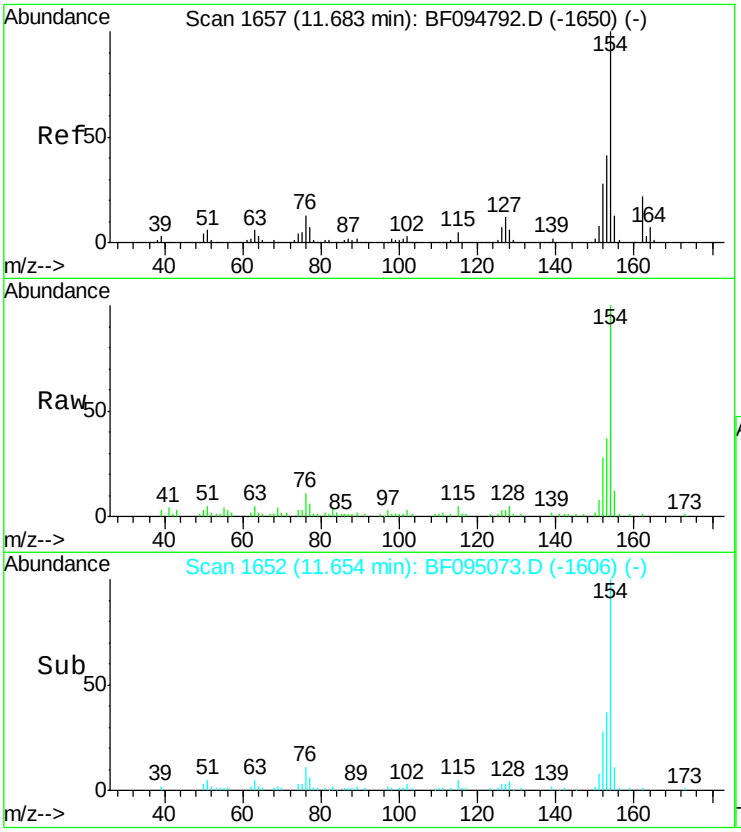


#44
2-Fluorobiphenyl
Concen: 0.72 ng
RT: 11.50 min Scan# 1626
Delta R.T. -0.03 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Tgt Ion:172 Resp: 7807

Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.6	44.4
170	26.6	19.8	29.8



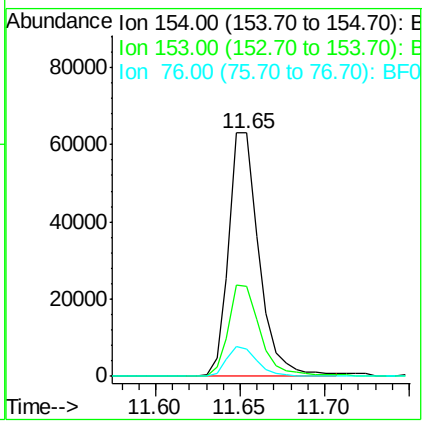


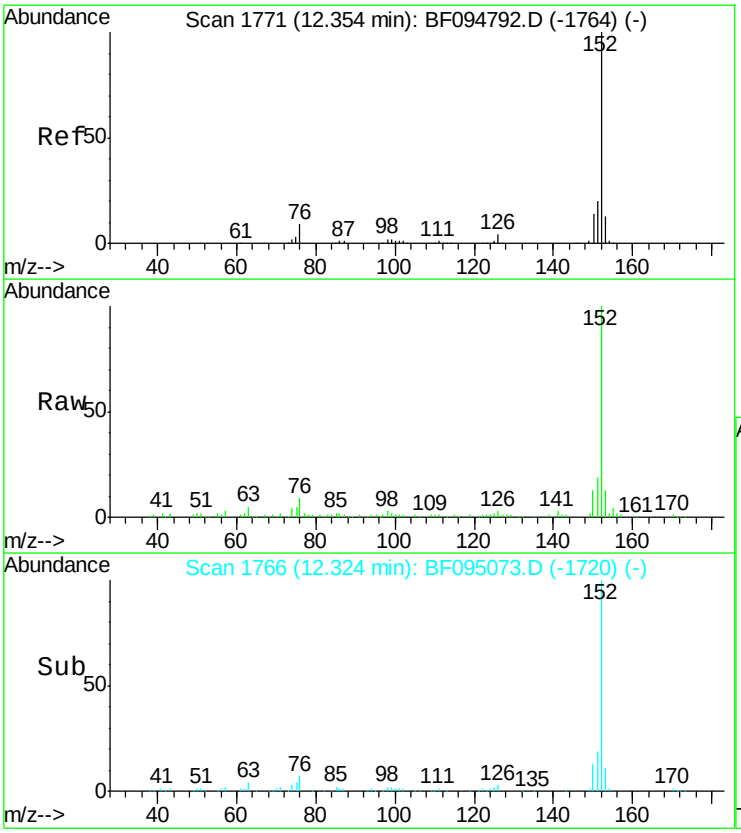
#45
1,1'-Biphenyl
Concen: 6.03 ng
RT: 11.65 min Scan# 1652
Delta R.T. -0.03 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Instrument :
BNA_F
ClientSampleId :
HY-SB409A

Tgt Ion:154 Resp: 79150

Ion	Ratio	Lower	Upper
154	100		
153	37.2	21.2	61.2
76	11.4	0.0	29.9

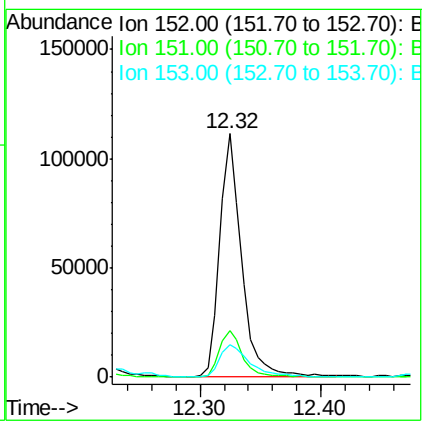


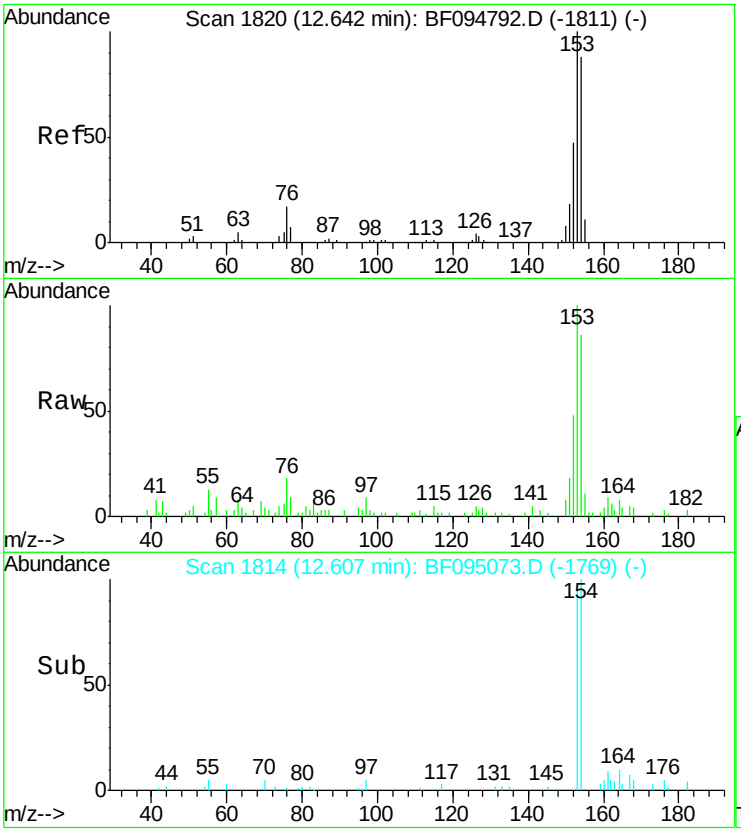


#48
Acenaphthylene
Concen: 8.42 ng
RT: 12.32 min Scan# 1766
Delta R.T. -0.03 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Tgt Ion:152 Resp: 139702

Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.8	25.2
153	13.4	10.8	16.2



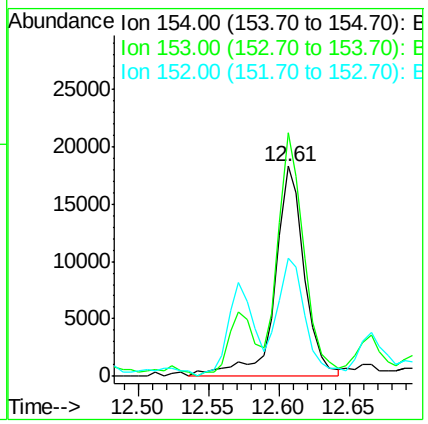


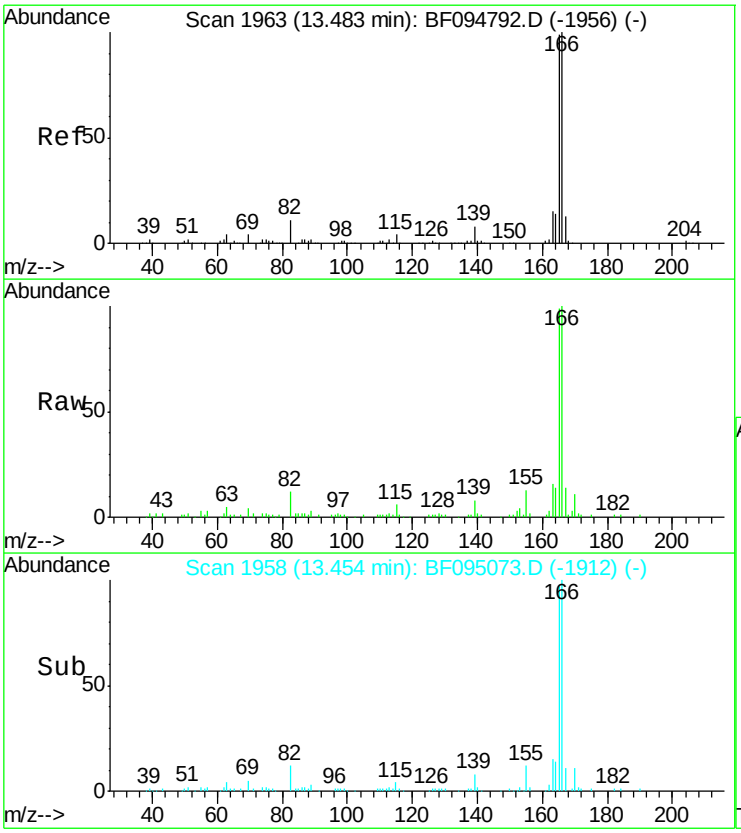
#51
Acenaphthene
Concen: 2.68 ng
RT: 12.61 min Scan# 1814
Delta R.T. -0.04 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Instrument :
BNA_F
ClientSampleId :
HY-SB409A

Tgt Ion:154 Resp: 26593

Ion	Ratio	Lower	Upper
154	100		
153	116.1	90.5	135.7
152	56.3	43.6	65.4

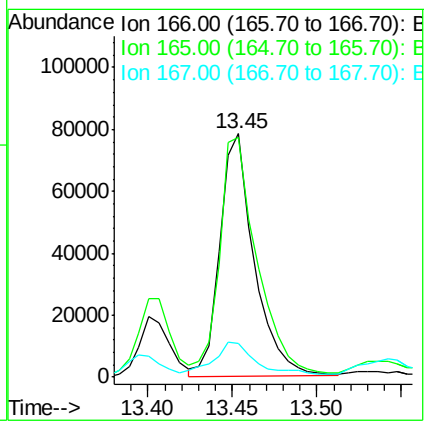


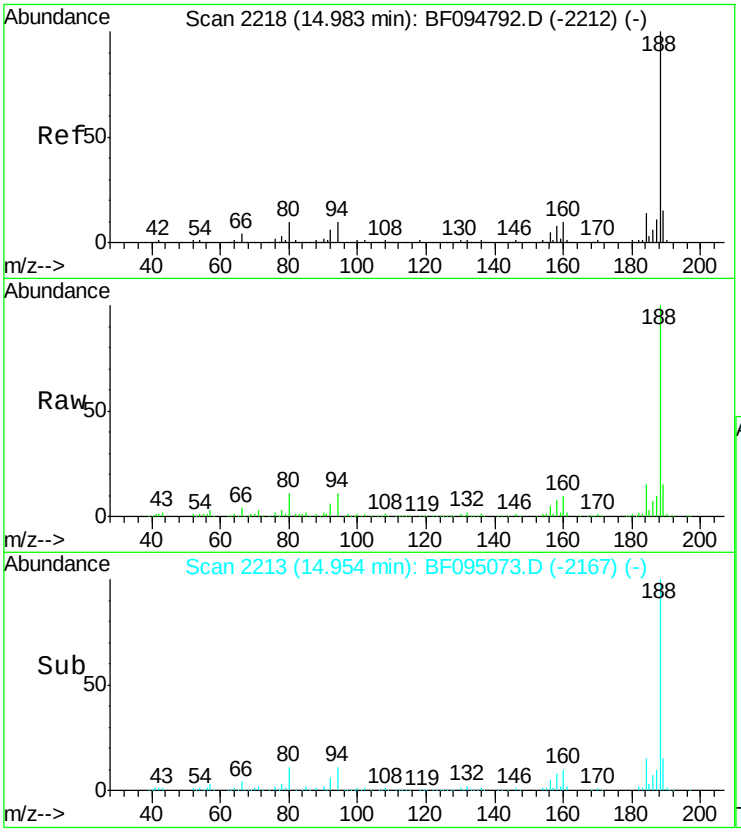


#57
Fluorene
Concen: 9.27 ng
RT: 13.45 min Scan# 1958
Delta R.T. -0.03 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Tgt Ion:166 Resp: 110632

Ion	Ratio	Lower	Upper
166	100		
165	98.7	78.8	118.2
167	13.7	10.6	16.0



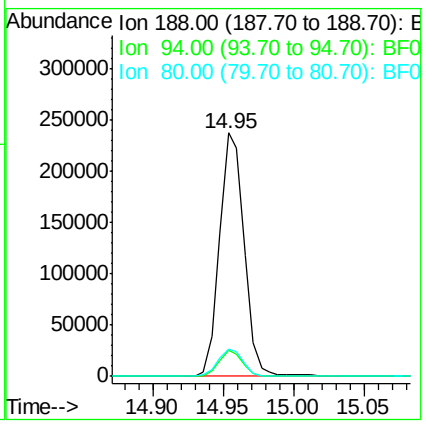


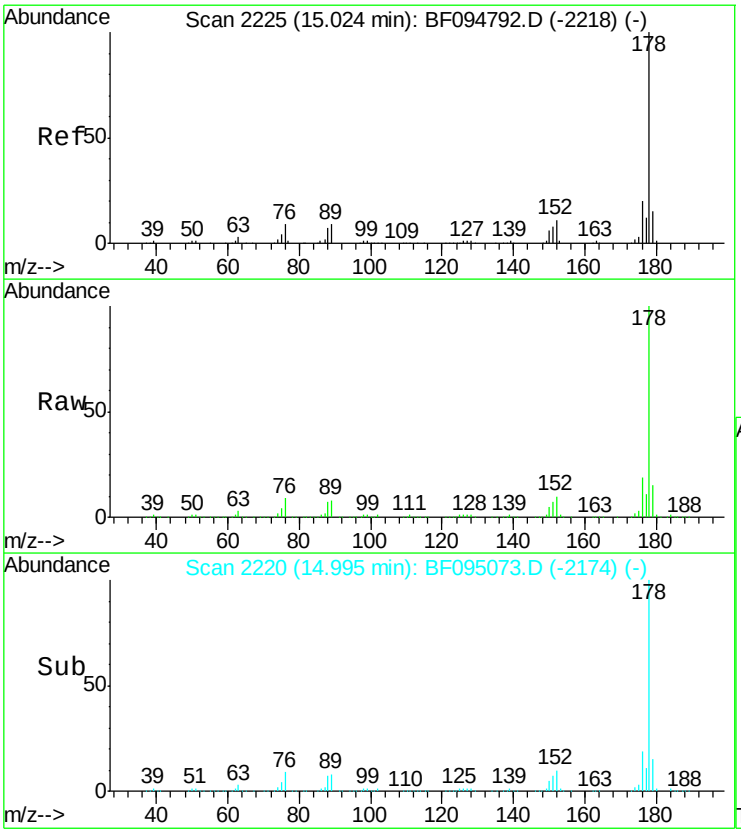
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.95 min Scan# 2213
Delta R.T. -0.03 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Instrument :
BNA_F
ClientSampleId :
HY-SB409A

Tgt Ion:188 Resp: 286993

Ion	Ratio	Lower	Upper
188	100		
94	10.7	9.4	14.2
80	11.1	10.2	15.2

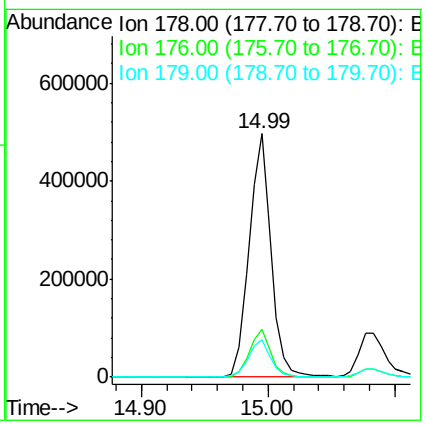


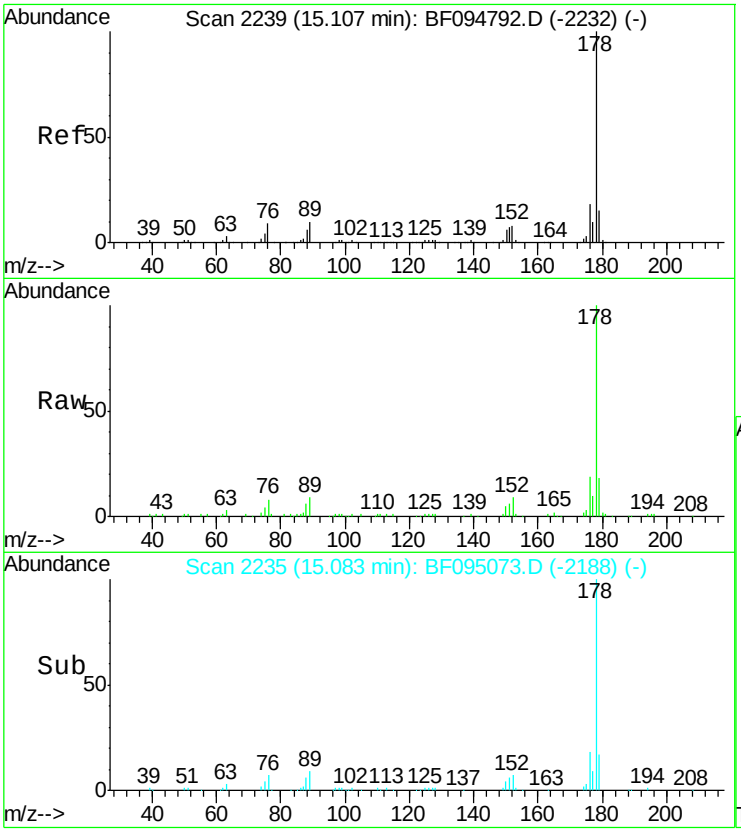


#70
Phenanthrene
Concen: 36.51 ng
RT: 14.99 min Scan# 2220
Delta R.T. -0.03 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Tgt Ion:178 Resp: 602081

Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	15.3	12.6	19.0



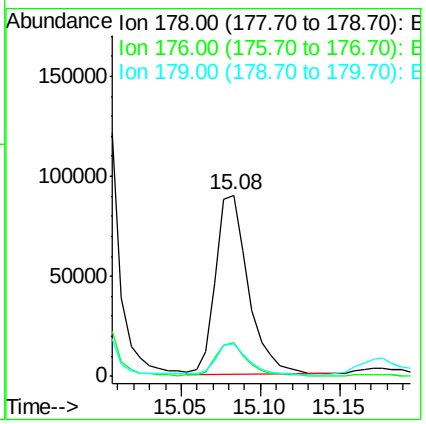


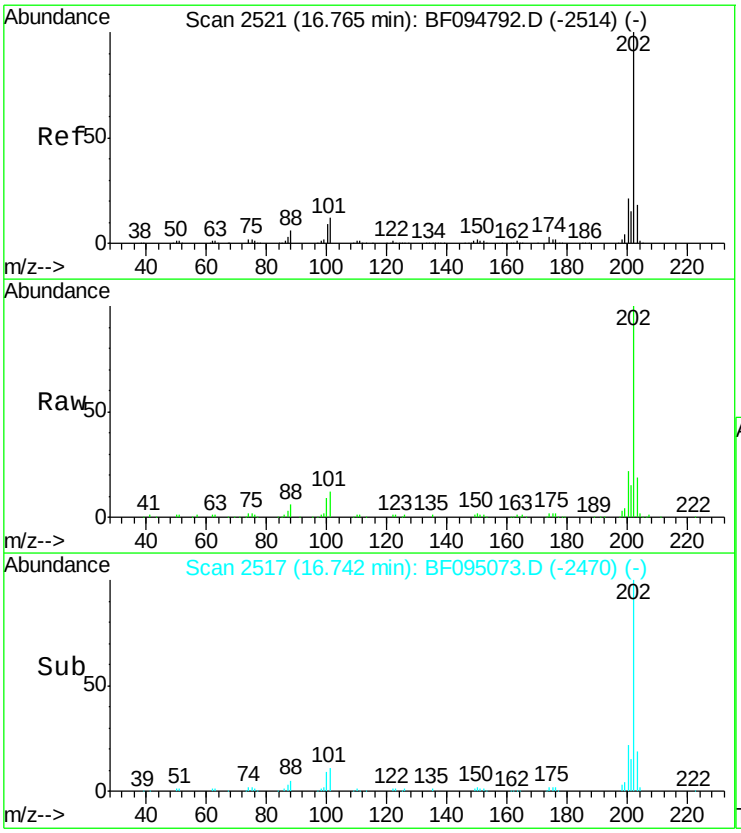
#71
Anthracene
Concen: 7.61 ng
RT: 15.08 min Scan# 2235
Delta R.T. -0.02 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Instrument :
BNA_F
ClientSampleId :
HY-SB409A

Tgt Ion:178 Resp: 128220

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	17.8	12.7	19.1

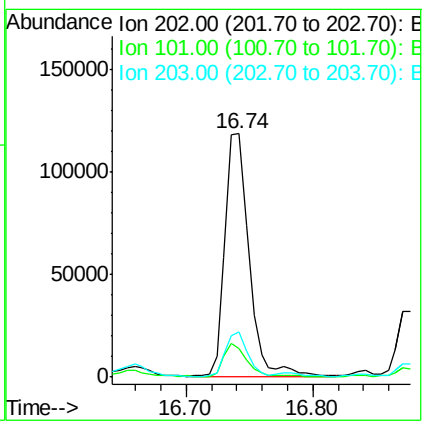


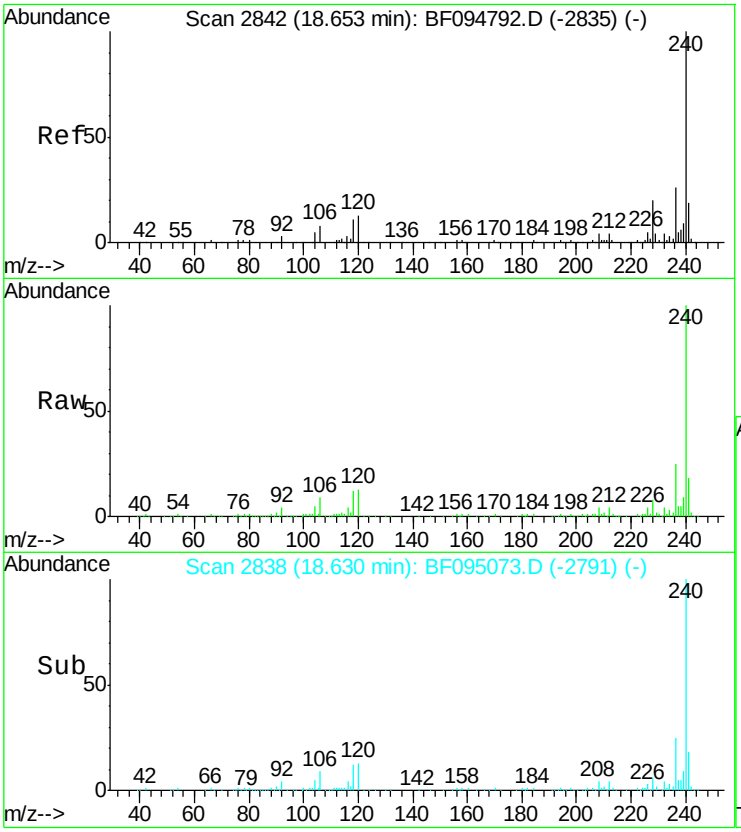


#74
Fluoranthene
Concen: 9.18 ng
RT: 16.74 min Scan# 2517
Delta R.T. -0.02 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Tgt Ion:202 Resp: 155319

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	33.2
203	18.7	0.0	38.1



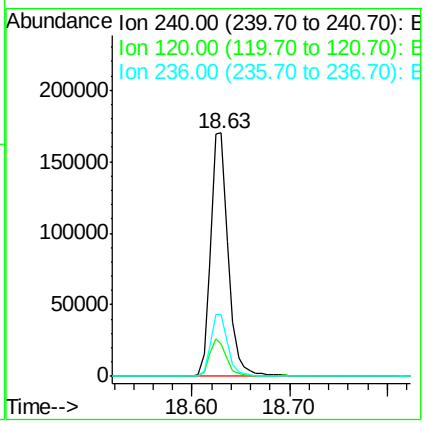


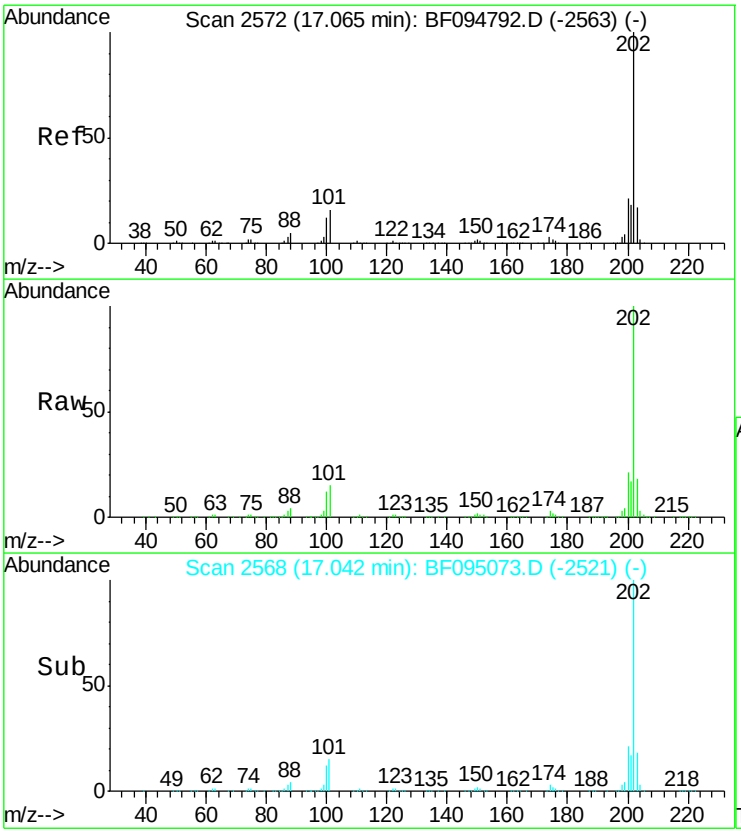
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.63 min Scan# 2838
Delta R.T. -0.02 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Instrument :
BNA_F
ClientSampleId :
HY-SB409A

Tgt Ion:240 Resp: 211947

Ion	Ratio	Lower	Upper
240	100		
120	13.3	5.8	8.8#
236	25.2	20.5	30.7

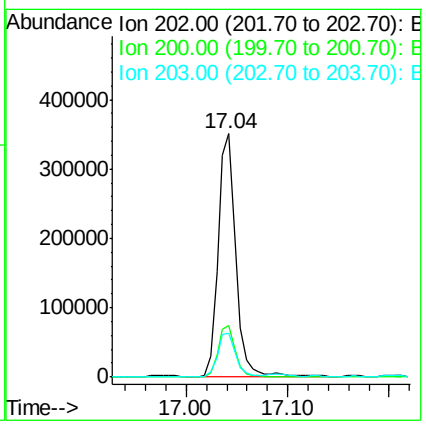


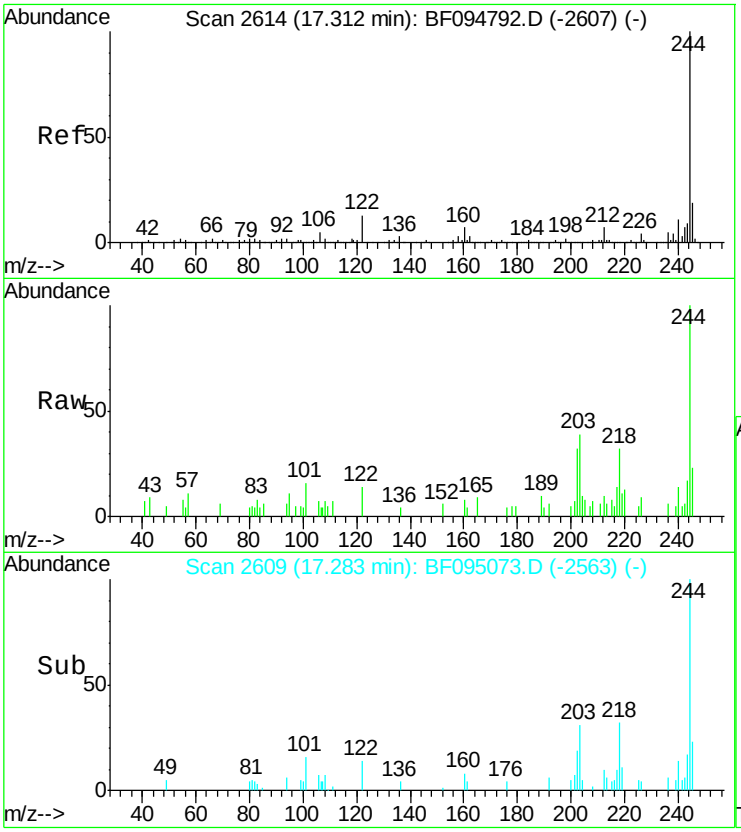


#77
Pyrene
Concen: 26.57 ng
RT: 17.04 min Scan# 2568
Delta R.T. -0.02 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Tgt Ion:202 Resp: 421213

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.6	26.4
203	18.0	14.4	21.6



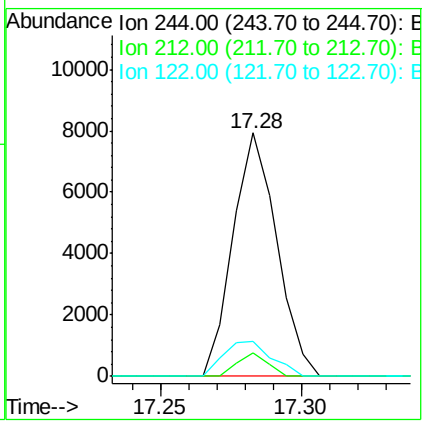


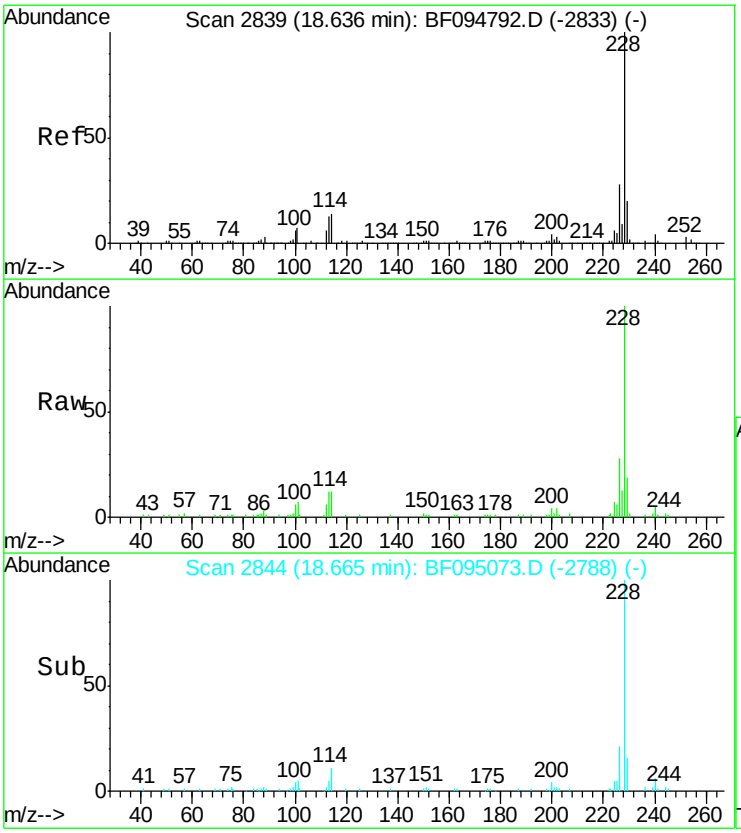
#78
Terphenyl-d14
Concen: 0.89 ng
RT: 17.28 min Scan# 2609
Delta R.T. -0.03 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Instrument :
BNA_F
ClientSampleId :
HY-SB409A

Tgt Ion:244 Resp: 8520

Ion	Ratio	Lower	Upper
244	100		
212	9.8	6.0	9.0#
122	14.1	10.3	15.5

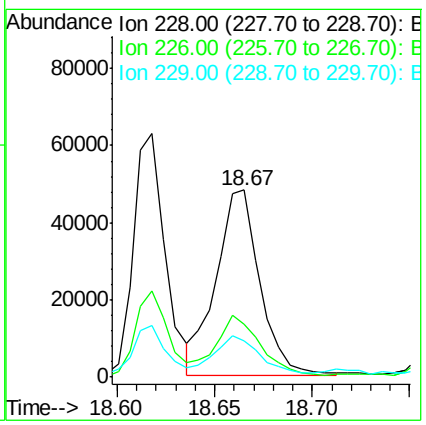


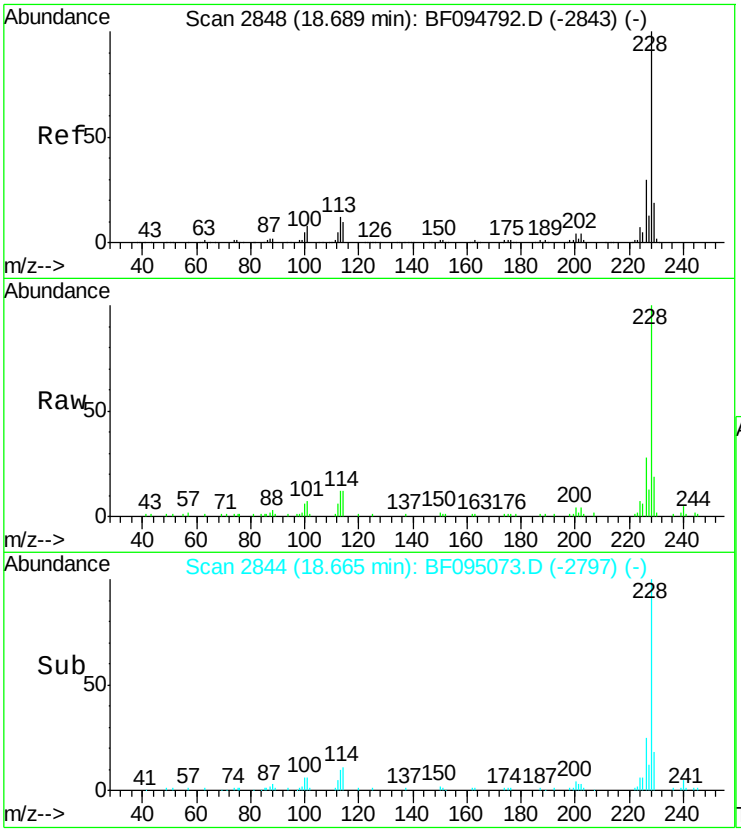


#80
Benzo(a)anthracene
Concen: 6.08 ng
RT: 18.67 min Scan# 2844
Delta R.T. 0.03 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Tgt Ion:228 Resp: 75018

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	19.4	16.3	24.5



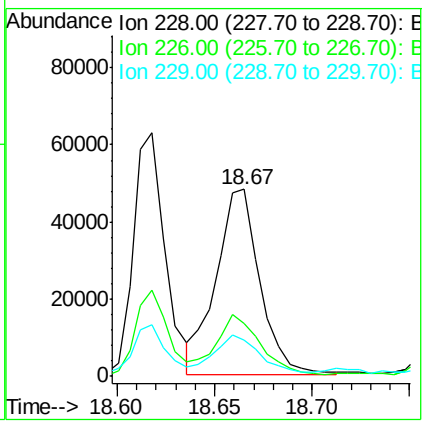


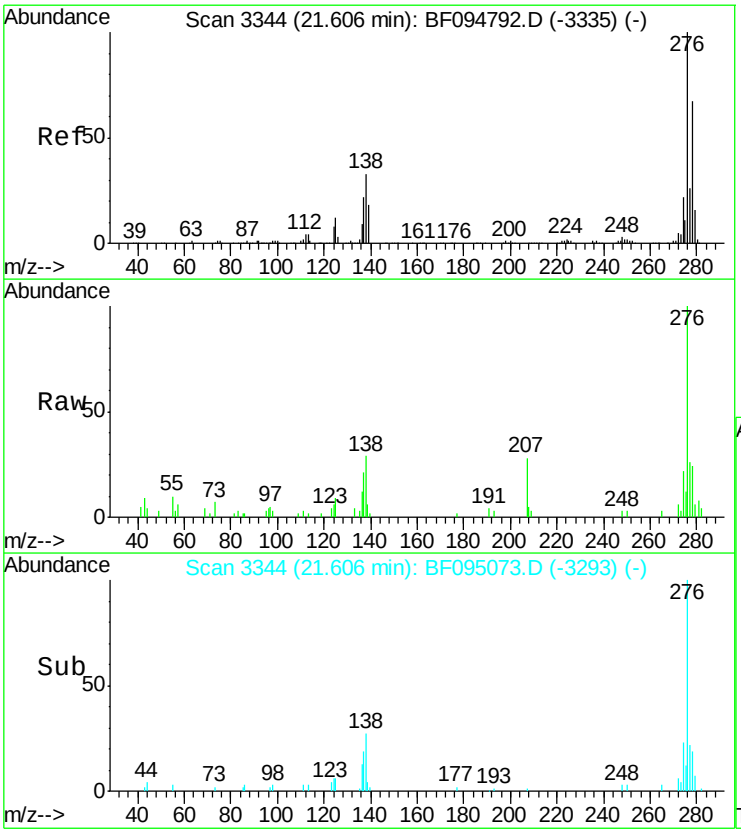
#82
Chrysene
Concen: 6.29 ng
RT: 18.67 min Scan# 2844
Delta R.T. -0.02 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Instrument :
BNA_F
ClientSampleId :
HY-SB409A

Tgt Ion:228 Resp: 75018

Ion	Ratio	Lower	Upper
228	100		
226	28.4	24.9	37.3
229	19.4	15.8	23.6

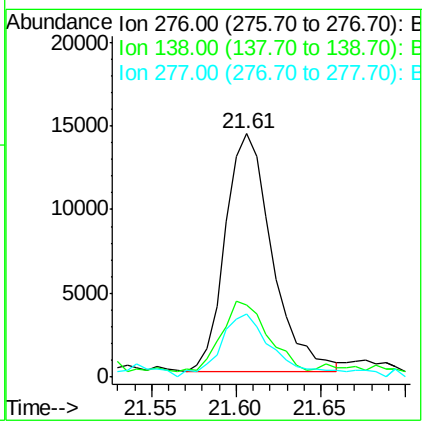


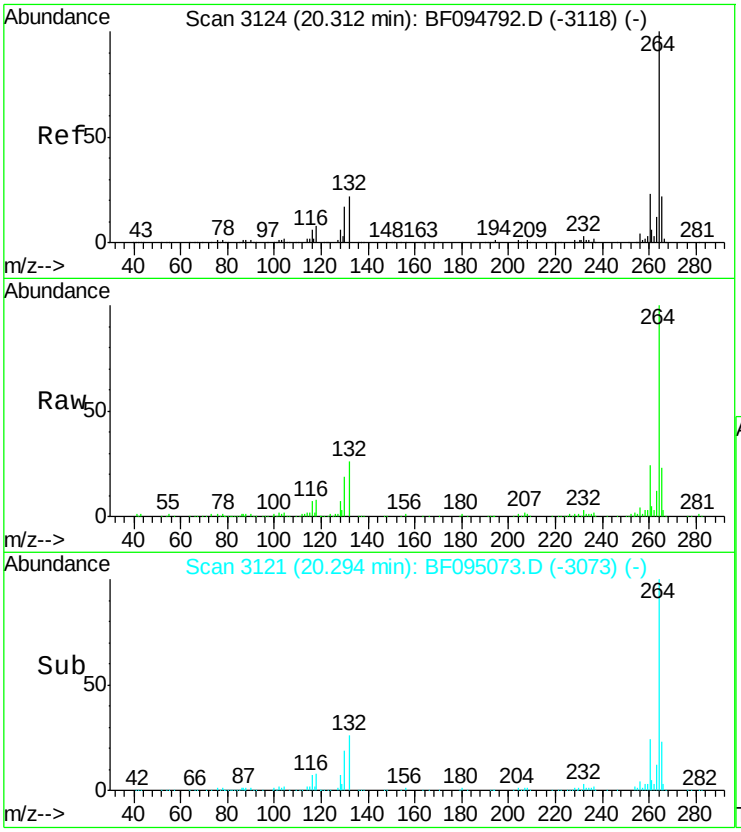


#85
Indeno(1,2,3-cd)pyrene
Concen: 2.82 ng
RT: 21.61 min Scan# 3344
Delta R.T. -0.00 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Tgt Ion:276 Resp: 27293

Ion	Ratio	Lower	Upper
276	100		
138	28.8	27.8	41.6
277	30.0	20.2	30.4



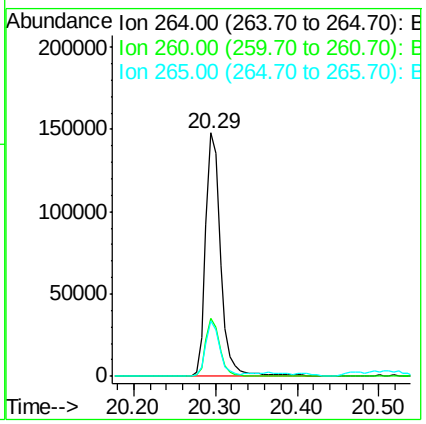


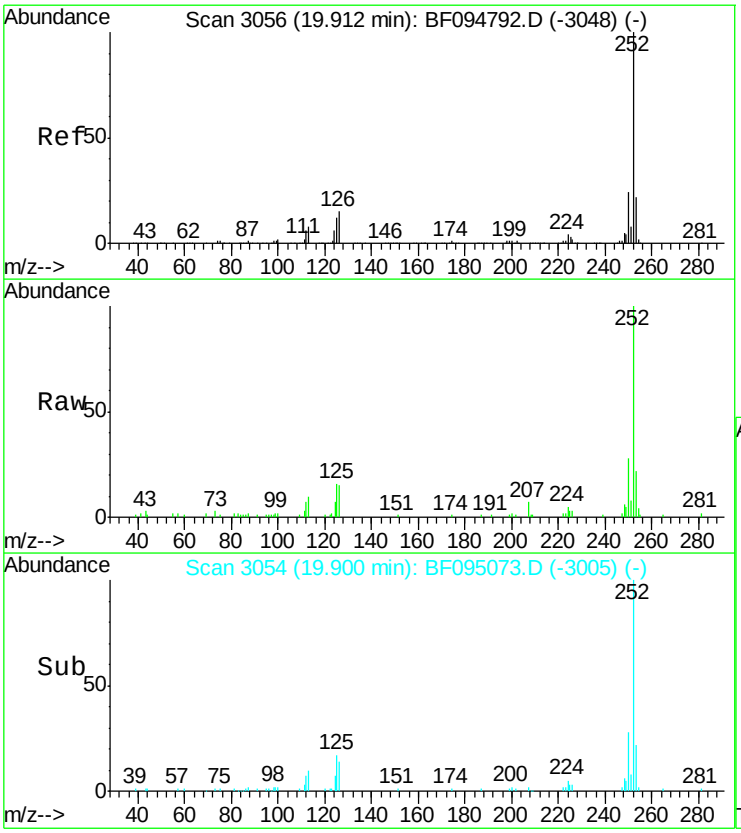
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.29 min Scan# 3121
Delta R.T. -0.02 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Instrument :
BNA_F
ClientSampleId :
HY-SB409A

Tgt Ion:264 Resp: 190192

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	22.5	17.2	25.8

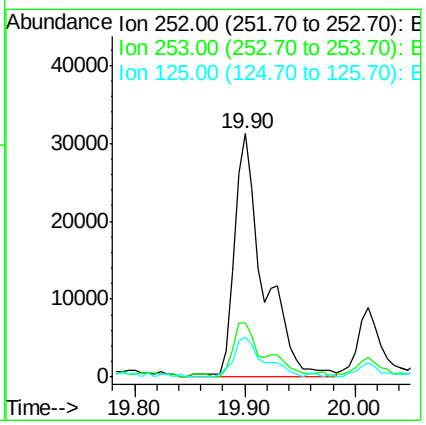


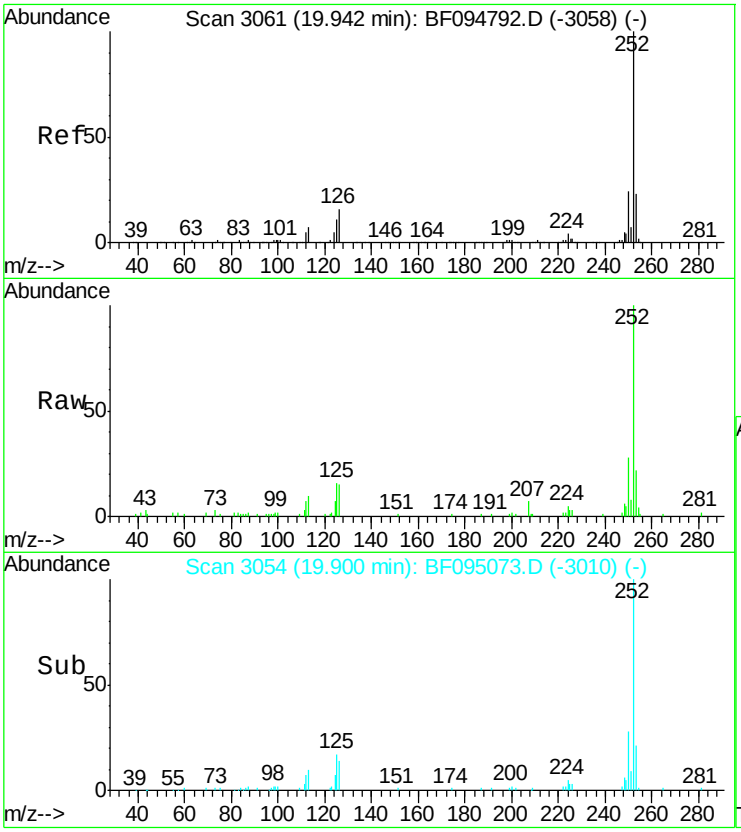


#87
Benzo(b)fluoranthene
Concen: 4.98 ng
RT: 19.90 min Scan# 3054
Delta R.T. -0.01 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Tgt Ion:252 Resp: 58527

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	16.4	9.8	14.8#



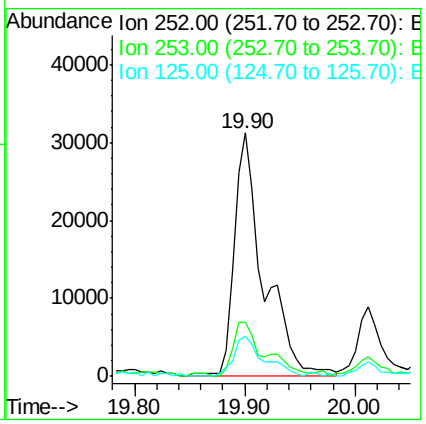


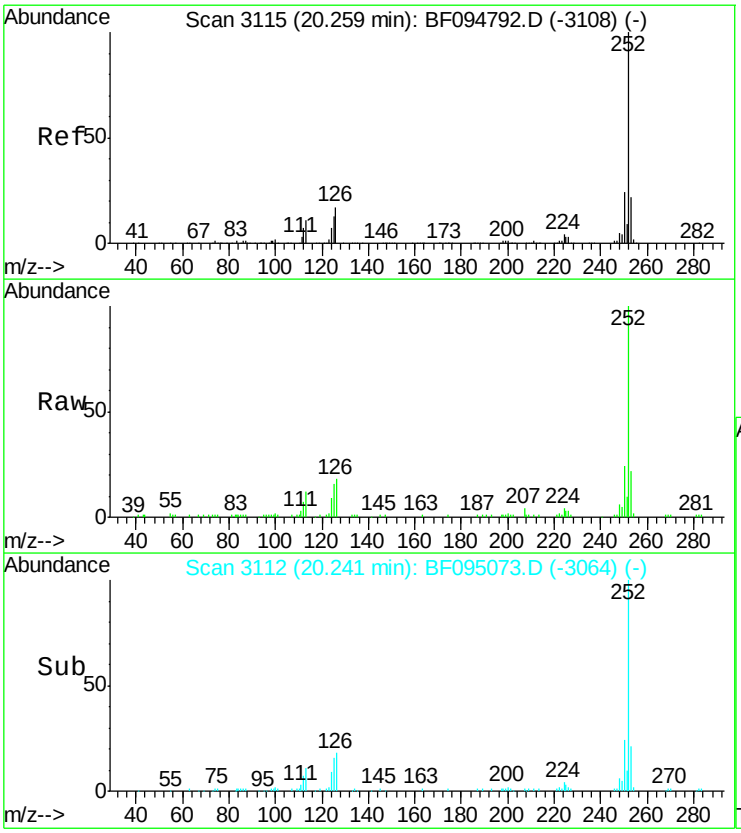
#88
Benzo(k)fluoranthene
Concen: 5.16 ng
RT: 19.90 min Scan# 3054
Delta R.T. -0.04 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Instrument :
BNA_F
ClientSampleId :
HY-SB409A

Tgt Ion:252 Resp: 58527

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.4	27.6
125	16.4	13.1	19.7

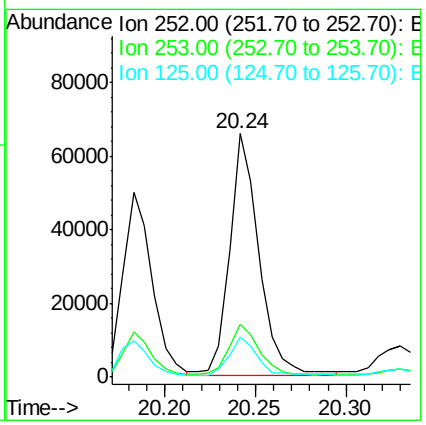


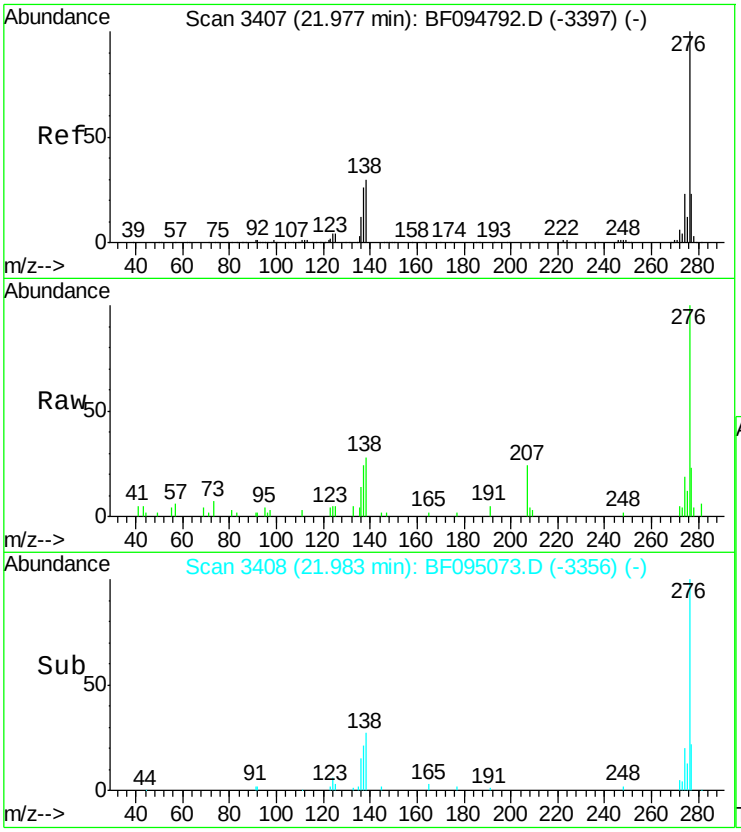


#89
Benzo(a)pyrene
Concen: 6.84 ng
RT: 20.24 min Scan# 3112
Delta R.T. -0.02 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Tgt Ion:252 Resp: 74221

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	16.3	11.0	16.4





#91
Benzo(g,h,i)perylene
Concen: 4.32 ng
RT: 21.98 min Scan# 3408
Delta R.T. 0.01 min
Lab File: BF095073.D
Acq: 11 May 2017 00:22

Instrument :
BNA_F
ClientSampleId :
HY-SB409A

Tgt Ion:276 Resp: 37925

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	28.0
138	27.8	25.4	38.0