Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060717\
Data File : BF095759.D
Acq On : 7 Jun 2017 22:11
Operator : SJ/MA
Sample : I3479-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Jun 08 04:09:01 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 05 16:15:31 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	76862	20.00	ng		-0.02
21) Naphthalene-d8	9.42	136	301310	20.00	ng		-0.02
38) Acenaphthene-d10	12.24	164	120049	20.00	ng		-0.02
63) Phenanthrene-d10	14.63	188	180659	20.00	ng		-0.01
75) Chrysene-d12	18.35	240	148950	20.00	ng		0.00
86) Perylene-d12	20.02	264	109800	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.29	112	80694	16.73	ng		0.00
7) Phenol-d6	6.96	99	102291	17.71	ng		0.00
23) Nitrobenzene-d5	8.30	82	56946	11.74	ng		-0.02
41) 2,4,6-Tribromophenol	13.54	330	16681	15.70	ng		-0.01
44) 2-Fluorobiphenyl	11.19	172	127126	14.74	ng		-0.02
78) Terphenyl-d14	17.00	244	76645	12.77	ng		-0.01
Target Compounds							Qvalue
50) 2,6-Dinitrotoluene	12.24	165	14885	7.49	ng	#	31
51) Acenaphthene	12.29	154	40559	5.31	ng		97
55) 4-Nitrophenol	12.59	139	5972	8.79	ng	#	25
57) Fluorene	13.13	166	33505	3.58	ng		94
70) Phenanthrene	14.67	178	336561	32.29	ng		99
71) Anthracene	14.76	178	118062	10.85	ng		98
72) Carbazole	15.06	167	26369	2.49	ng		98
74) Fluoranthene	16.45	202	437923	42.45	ng		97
77) Pyrene	16.75	202	381661	34.34	ng	#	93
80) Benzo(a)anthracene	18.34	228	177353	20.48	ng		99
82) Chrysene	18.38	228	157695	18.22	ng		97
85) Indeno(1,2,3-cd)pyrene	21.20	276	46821	6.32	ng		95
87) Benzo(b)fluoranthene	19.62	252	197044	28.66	ng	#	97
88) Benzo(k)fluoranthene	19.62	252	197044	29.98	ng		99
89) Benzo(a)pyrene	19.96	252	106552	16.86	ng		97
90) Dibenzo(a,h)anthracene	21.19	278	12750	2.38	ng	#	84
91) Benzo(g,h,i)perylene	21.53	276	45562	8.34	ng		99

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

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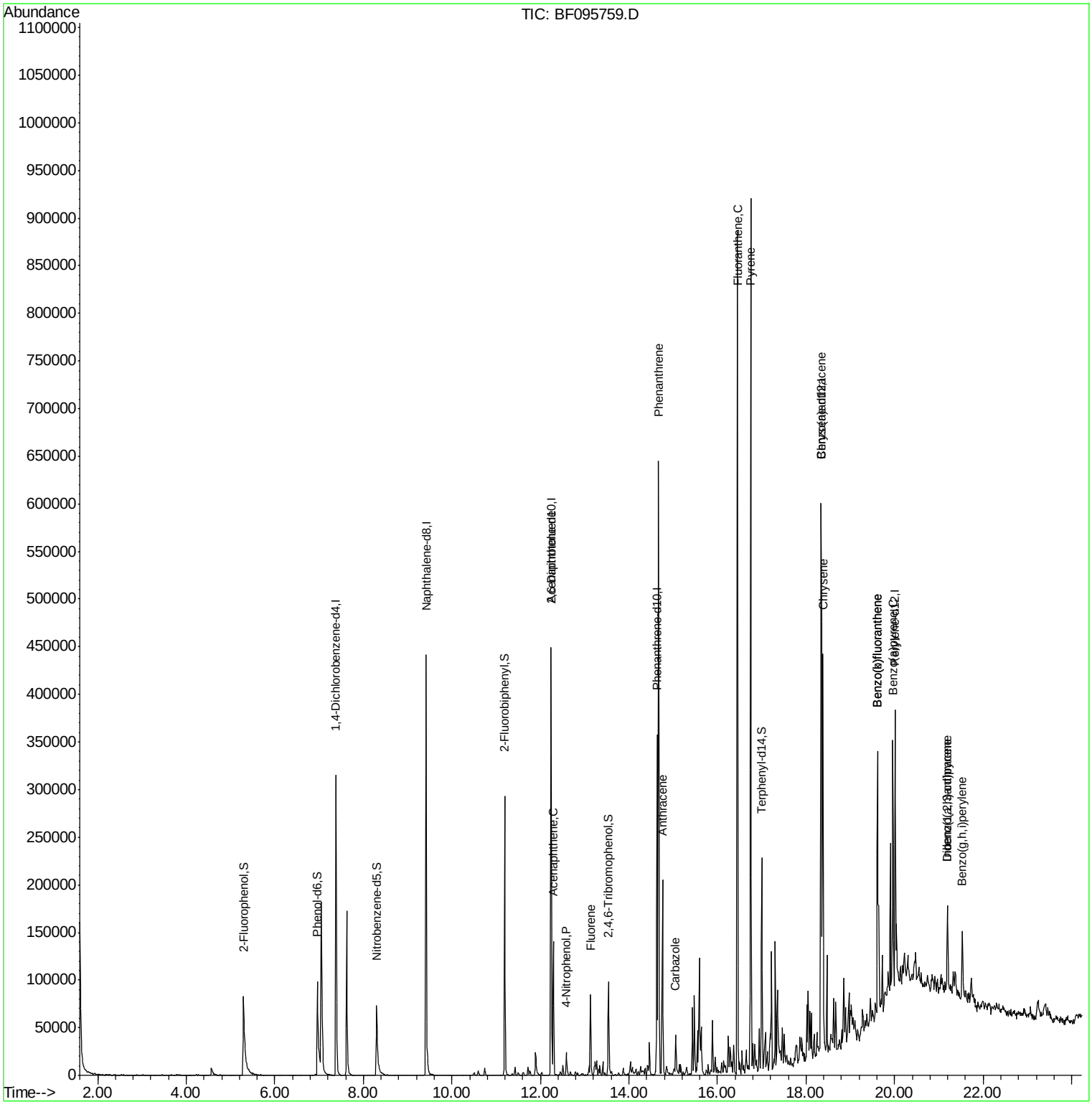
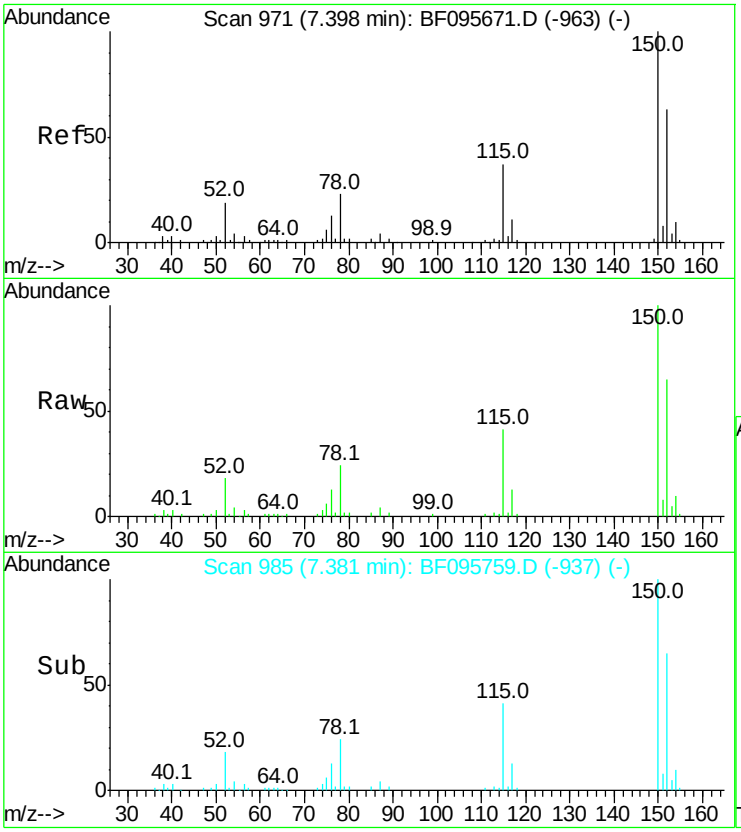


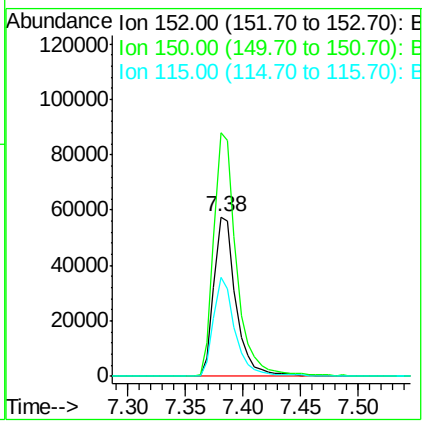


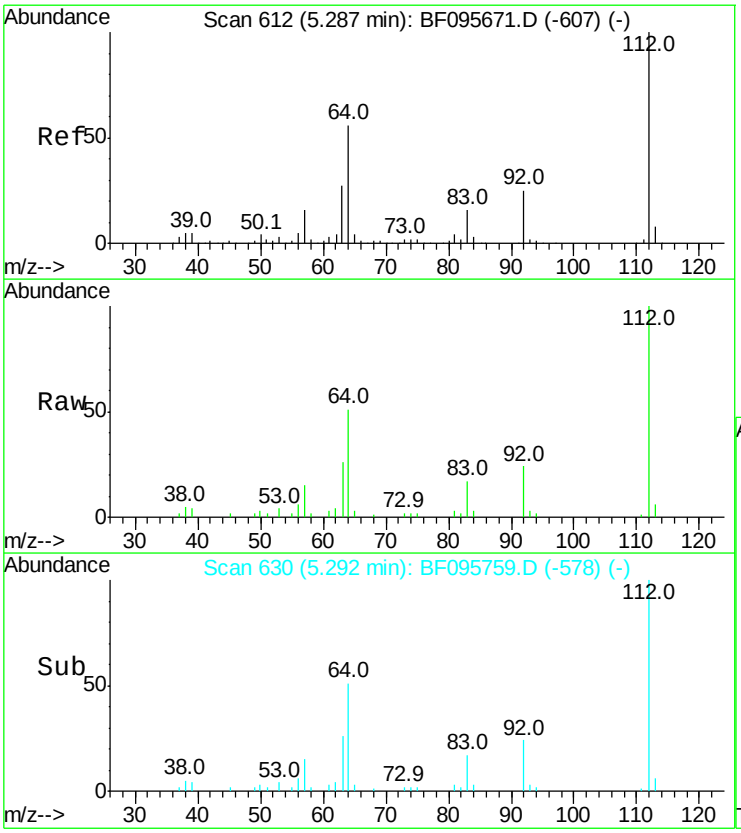
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.38 min Scan# 985
Delta R.T. -0.02 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 76862

Ion	Ratio	Lower	Upper
152	100		
150	152.7	126.2	189.2
115	62.2	52.2	78.2

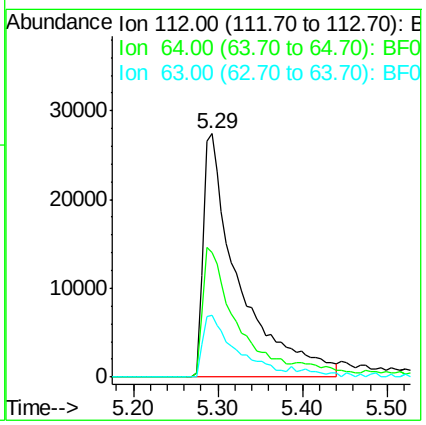


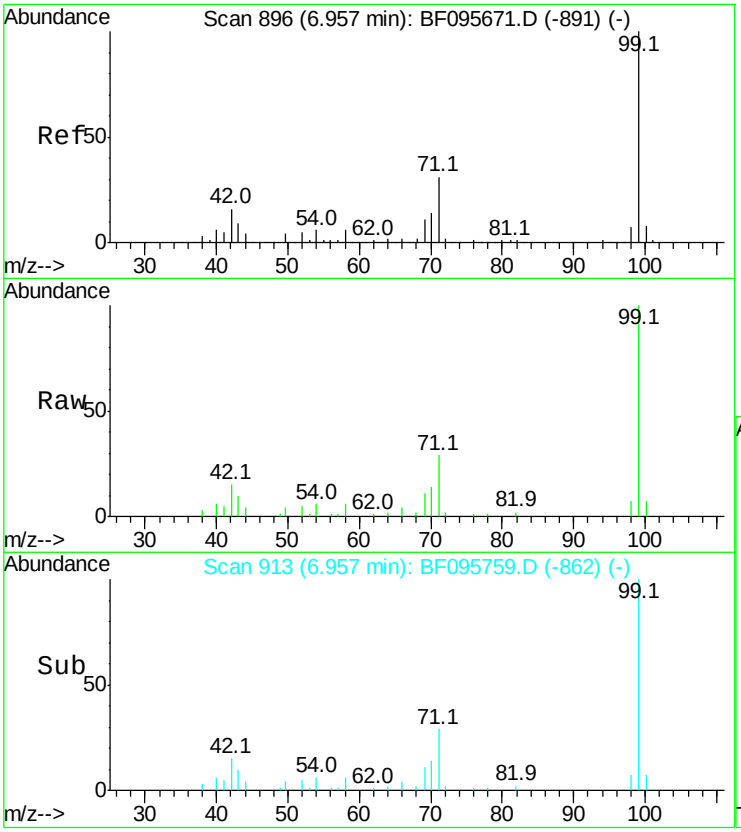


#5
2-Fluorophenol
Concen: 16.73 ng
RT: 5.29 min Scan# 630
Delta R.T. 0.01 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Tgt Ion:112 Resp: 80694

Ion	Ratio	Lower	Upper
112	100		
64	51.1	46.0	69.0
63	25.6	23.4	35.0

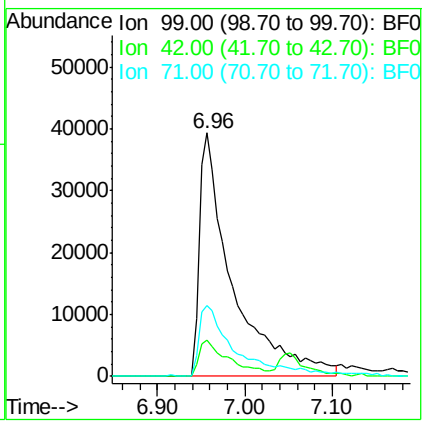




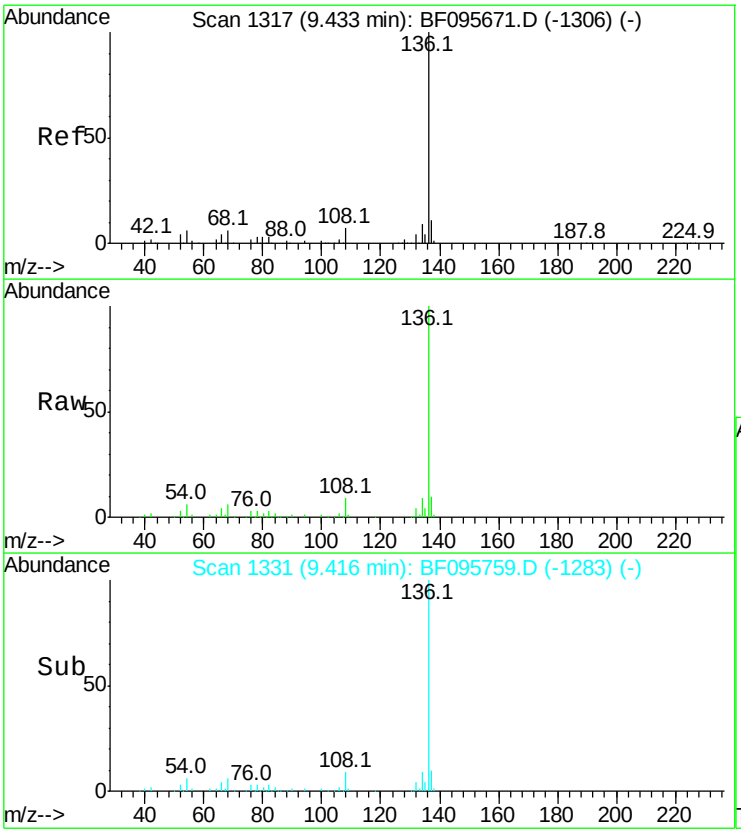
#7
Phenol-d6
Concen: 17.71 ng
RT: 6.96 min Scan# 913
Delta R.T. -0.00 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Tgt Ion: 99 Resp: 102291

Ion	Ratio	Lower	Upper
99	100		
42	15.0	13.5	20.3
71	29.3	24.5	36.7



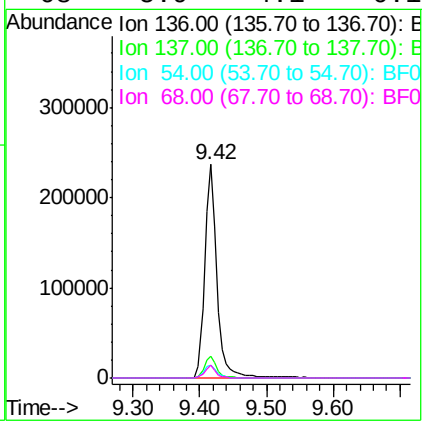
Instrument :
BNA_F
ClientSampleId :

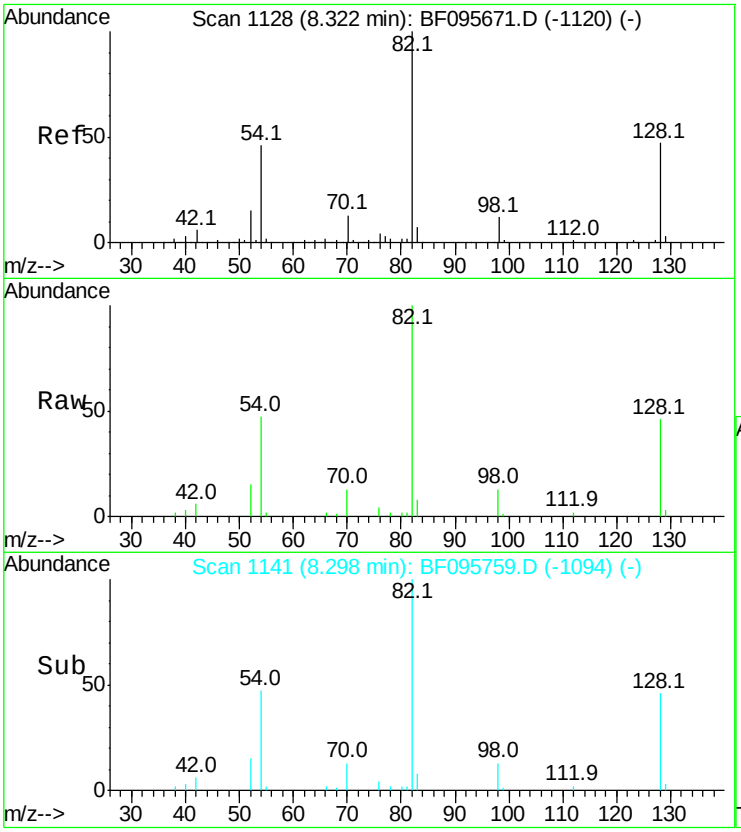


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.42 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Tgt Ion:136 Resp: 301310

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.5	12.7
54	6.2	4.9	7.3
68	5.9	4.1	6.1



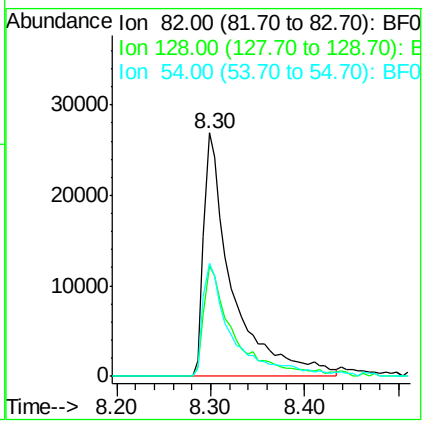


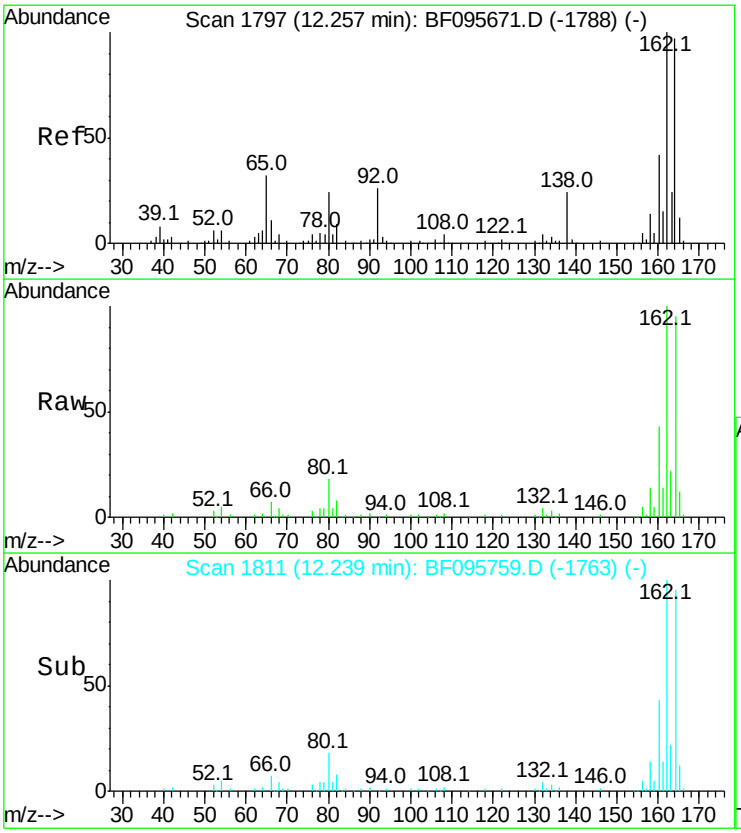
#23
Nitrobenzene-d5
Concen: 11.74 ng
RT: 8.30 min Scan# 1141
Delta R.T. -0.02 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 56946

Ion	Ratio	Lower	Upper
82	100		
128	45.6	34.0	51.0
54	46.5	42.2	63.2

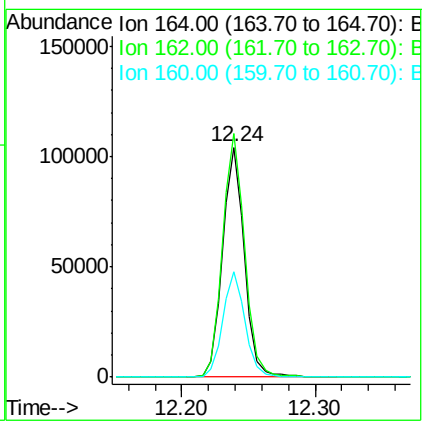


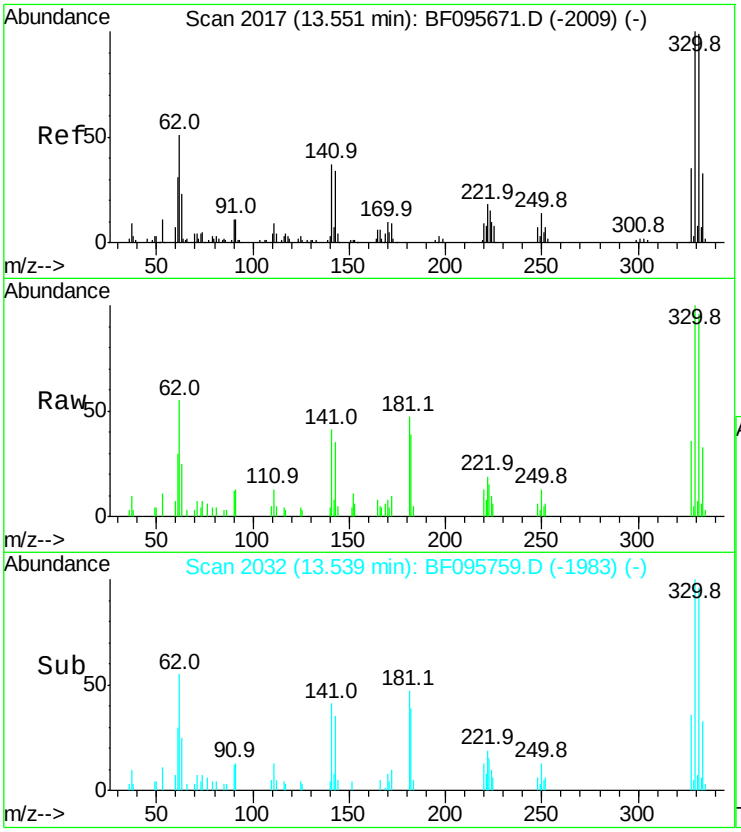


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.24 min Scan# 1811
Delta R.T. -0.02 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Tgt Ion:164 Resp: 120049

Ion	Ratio	Lower	Upper
164	100		
162	105.8	82.6	123.8
160	46.0	36.2	54.2



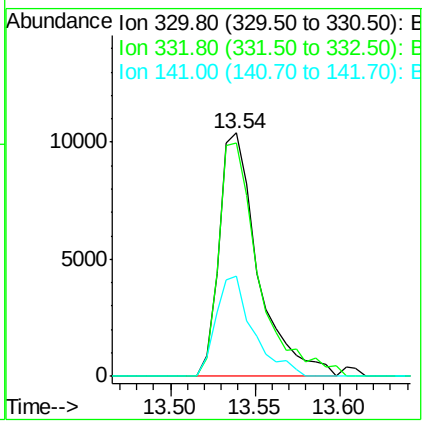


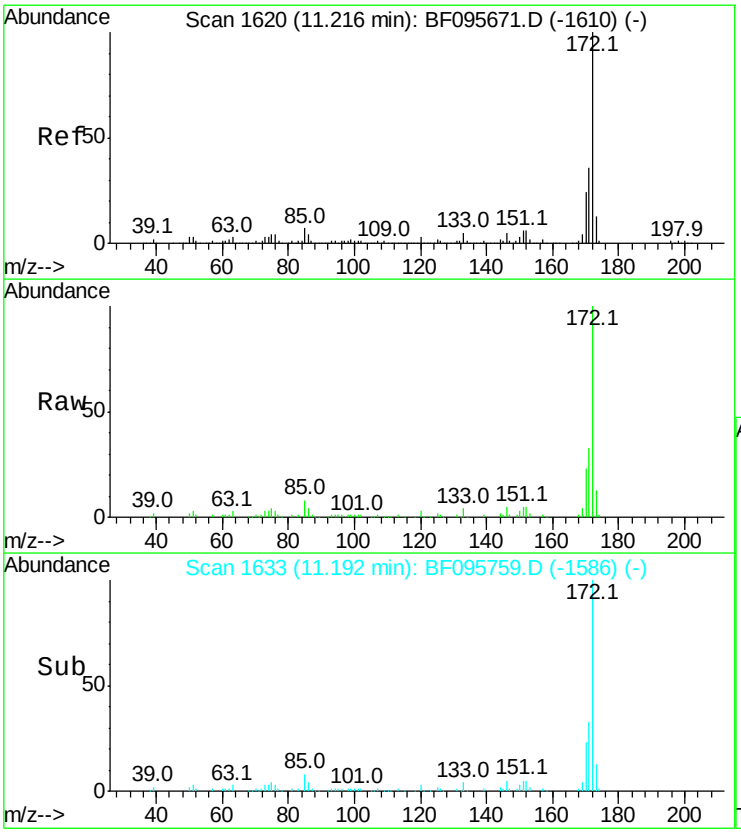
#41
2,4,6-Tribromophenol
Concen: 15.70 ng
RT: 13.54 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 16681

Ion	Ratio	Lower	Upper
330	100		
332	98.2	76.6	115.0
141	39.4	31.4	47.2

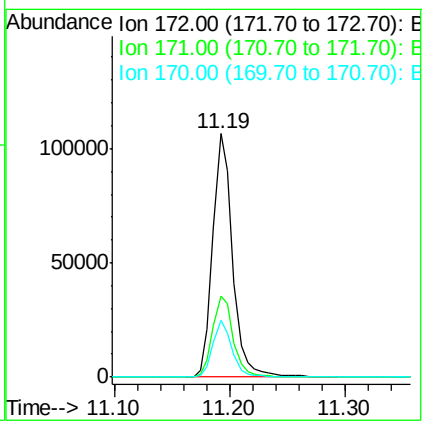


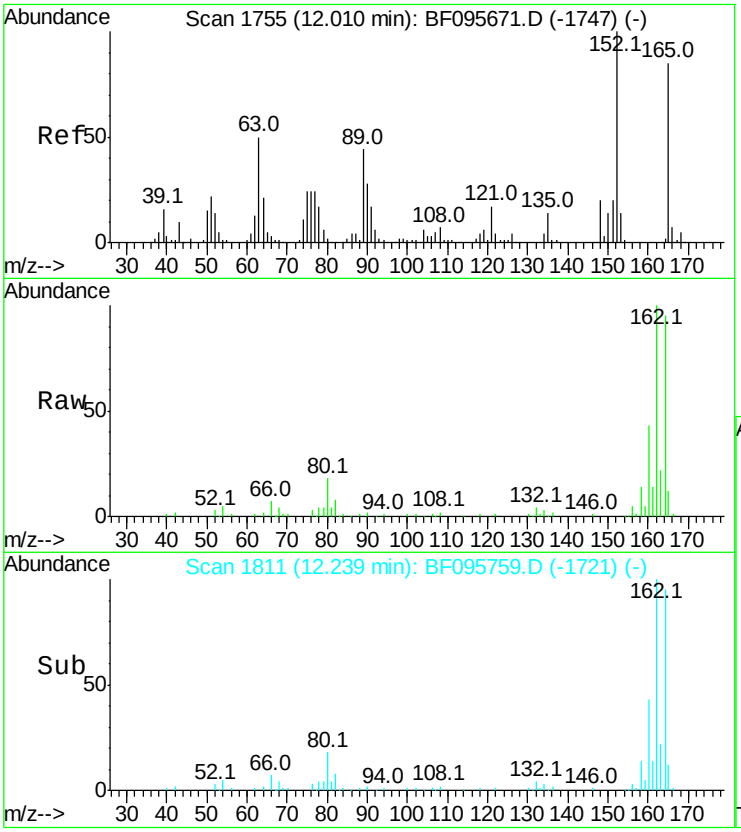


#44
2-Fluorobiphenyl
Concen: 14.74 ng
RT: 11.19 min Scan# 1633
Delta R.T. -0.02 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Tgt Ion:172 Resp: 127126

Ion	Ratio	Lower	Upper
172	100		
171	33.5	29.6	44.4
170	23.2	19.8	29.8



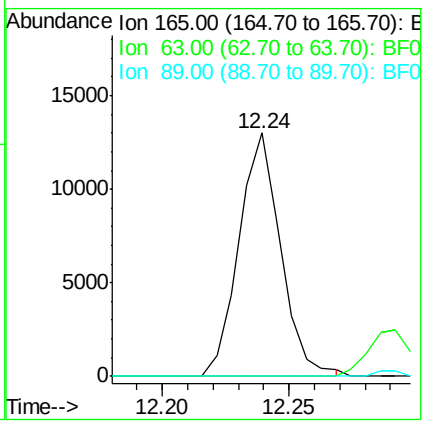


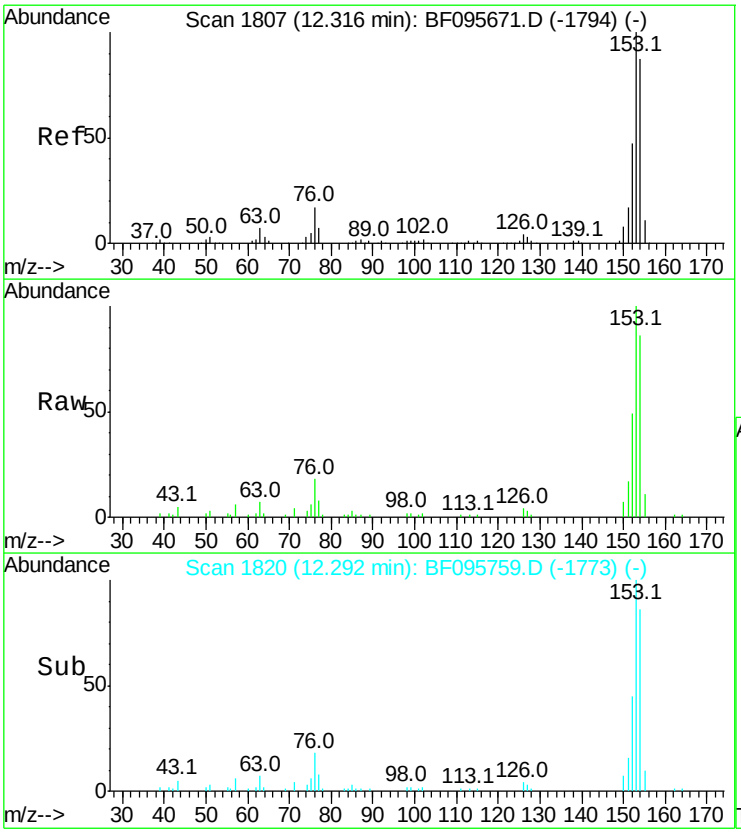
#50
2,6-Dinitrotoluene
Concen: 7.49 ng
RT: 12.24 min Scan# 1811
Delta R.T. 0.23 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 14885

Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#

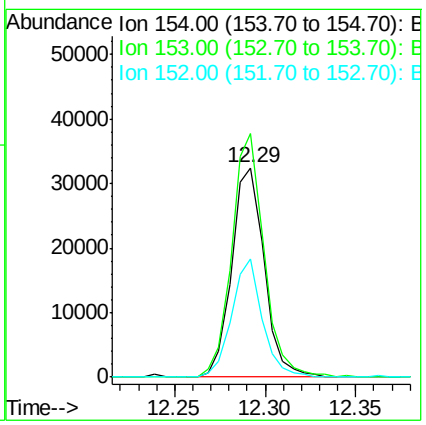


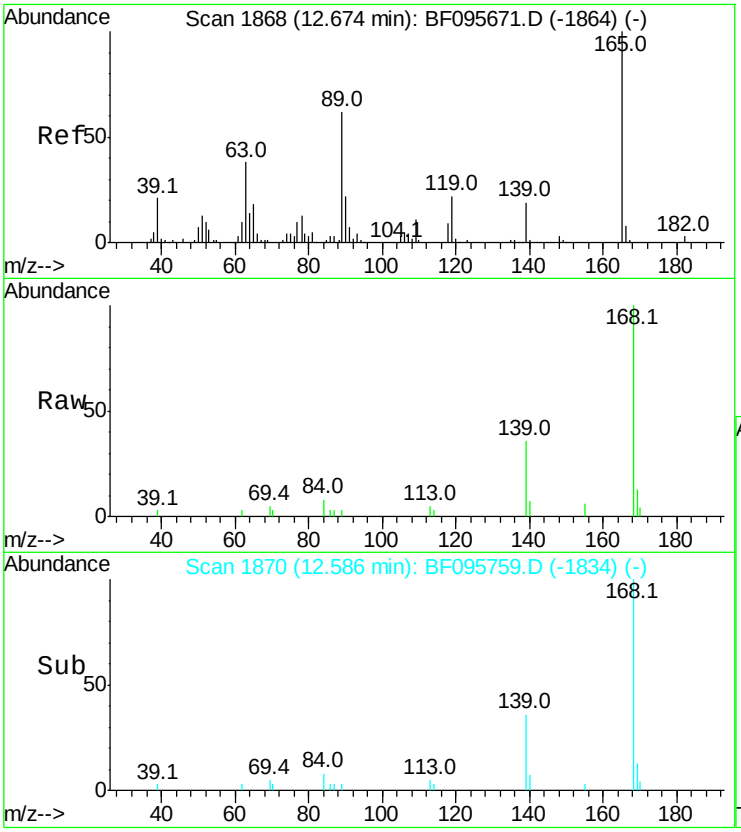


#51
Acenaphthene
Concen: 5.31 ng
RT: 12.29 min Scan# 1820
Delta R.T. -0.02 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Tgt Ion:154 Resp: 40559

Ion	Ratio	Lower	Upper
154	100		
153	116.1	90.5	135.7
152	56.4	43.6	65.4



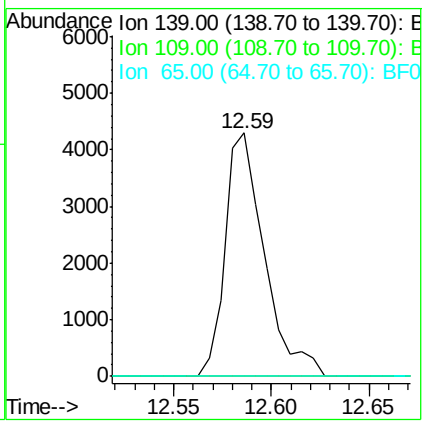


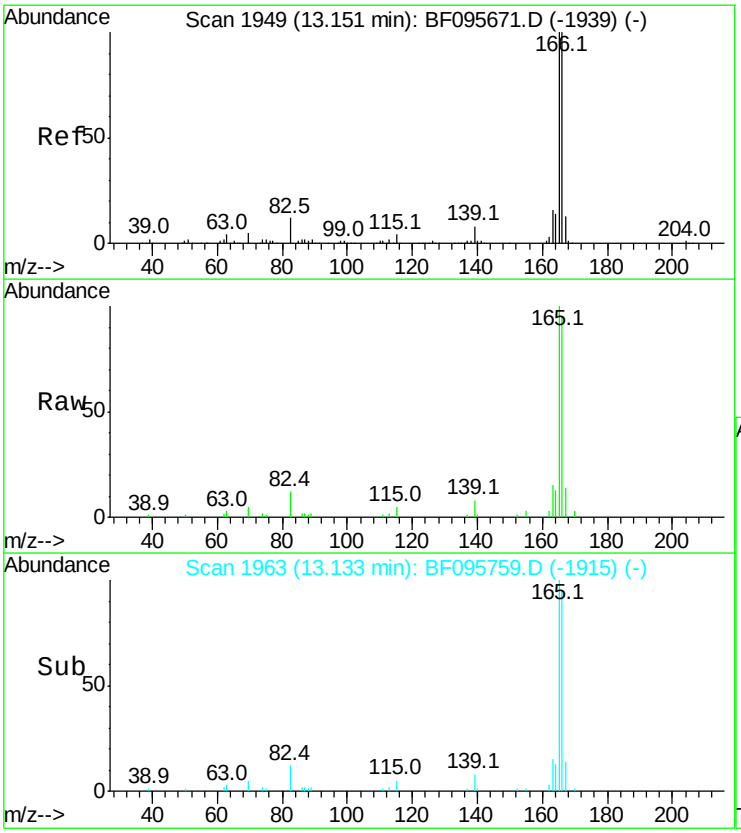
#55
4-Nitrophenol
Concen: 8.79 ng
RT: 12.59 min Scan# 1870
Delta R.T. -0.09 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 5972

Ion	Ratio	Lower	Upper
139	100		
109	0.0	34.1	74.1#
65	0.0	31.4	71.4#

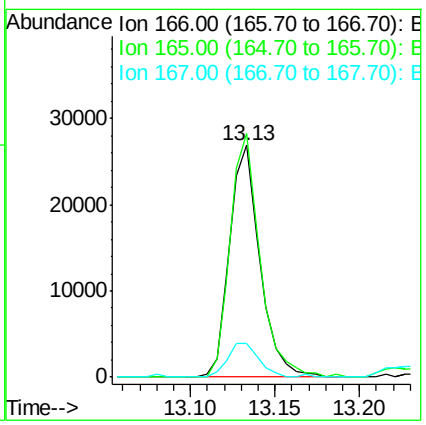


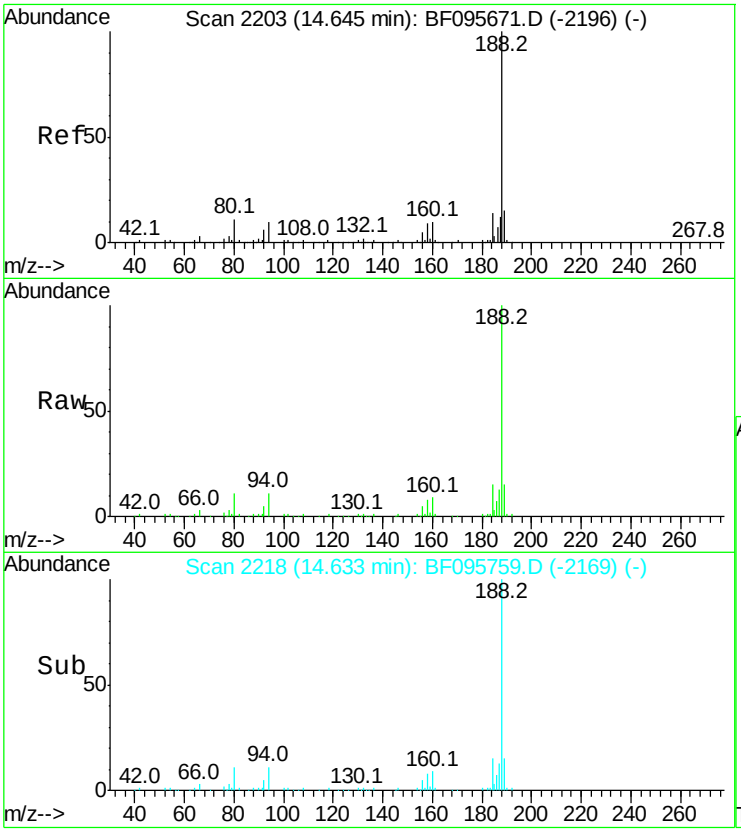


#57
Fluorene
Concen: 3.58 ng
RT: 13.13 min Scan# 1963
Delta R.T. -0.02 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Tgt Ion:166 Resp: 33505

Ion	Ratio	Lower	Upper
166	100		
165	105.0	78.8	118.2
167	14.3	10.6	16.0



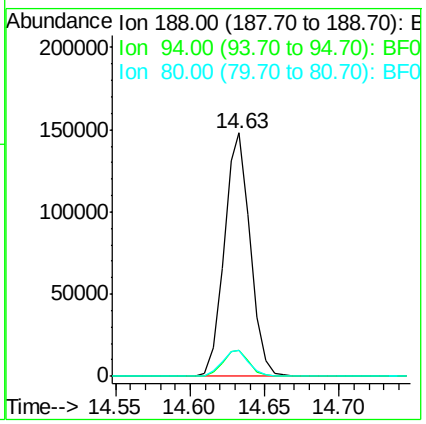


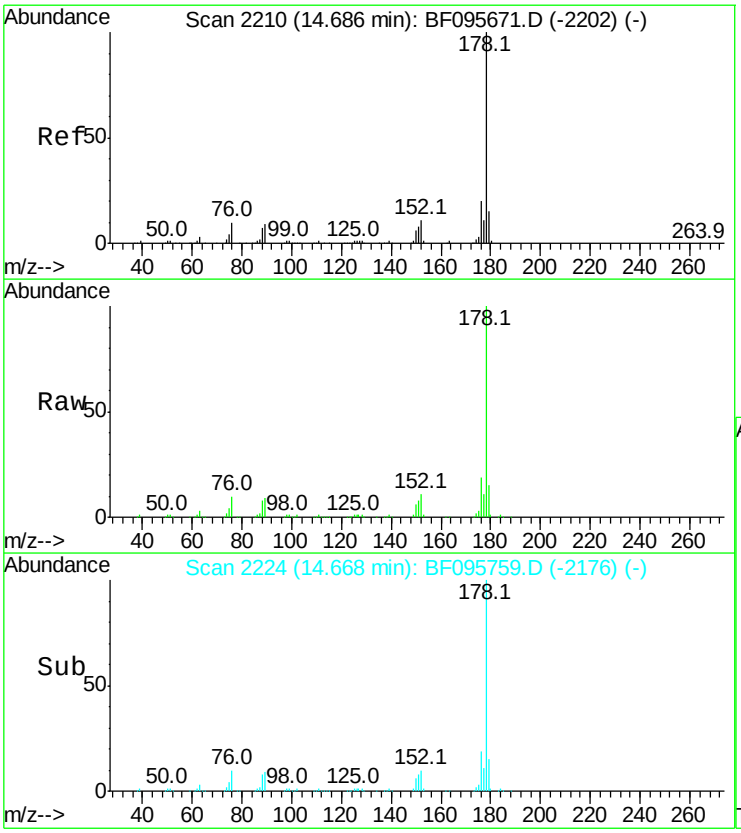
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.63 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 180659

Ion	Ratio	Lower	Upper
188	100		
94	10.5	9.4	14.2
80	10.8	10.2	15.2

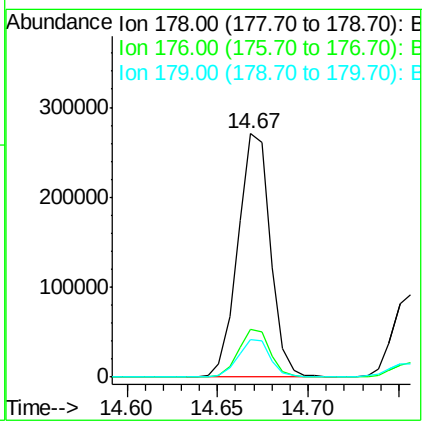


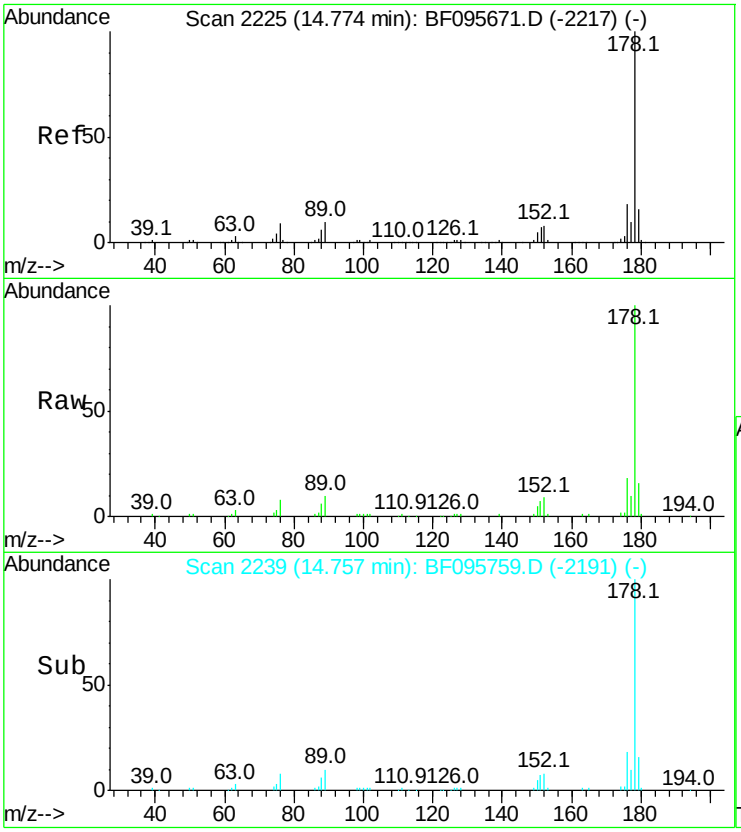


#70
Phenanthrene
Concen: 32.29 ng
RT: 14.67 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Tgt Ion:178 Resp: 336561

Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.4
179	15.5	12.6	19.0



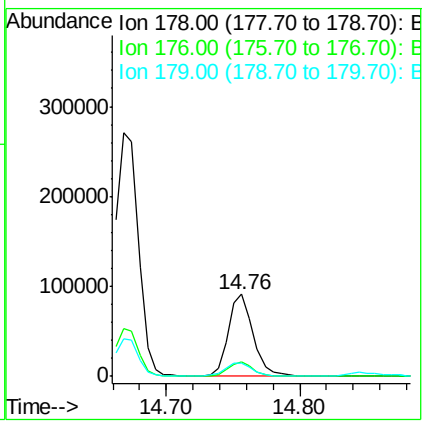


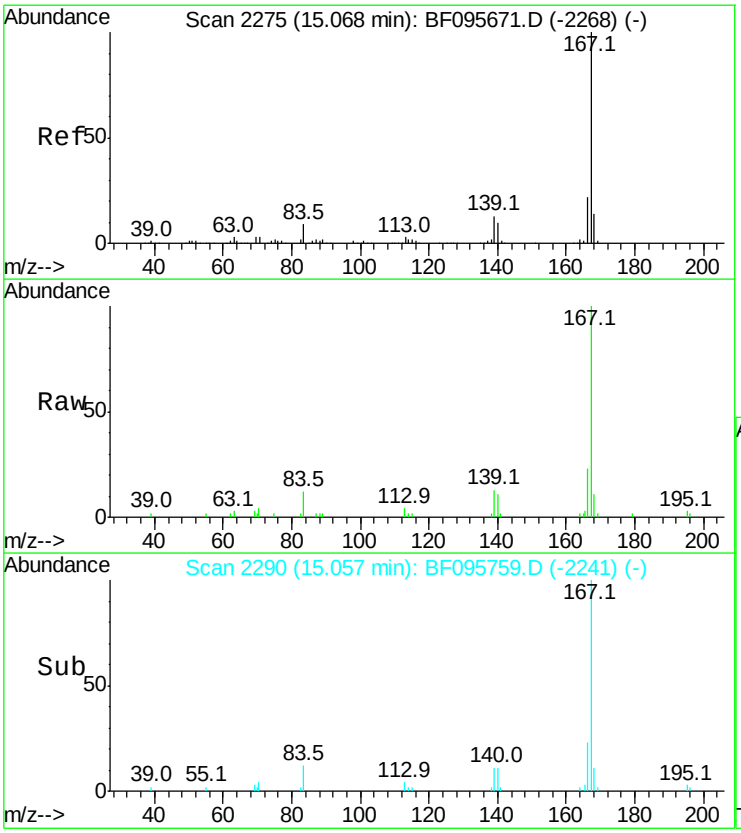
#71
Anthracene
Concen: 10.85 ng
RT: 14.76 min Scan# 2239
Delta R.T. -0.02 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 118062

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	16.4	12.7	19.1

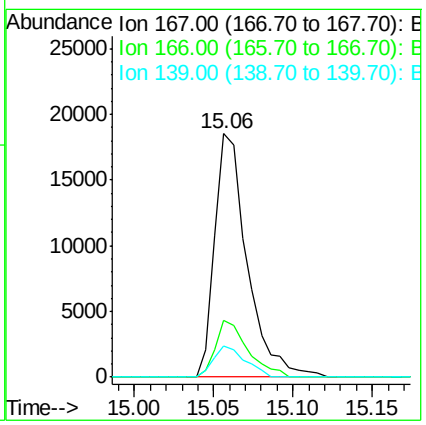


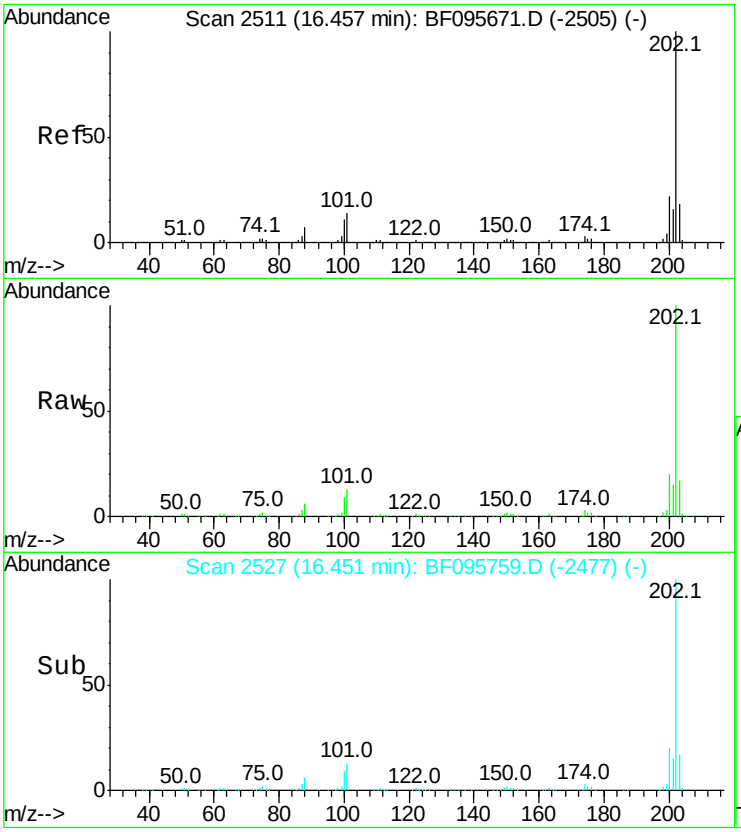


#72
Carbazole
Concen: 2.49 ng
RT: 15.06 min Scan# 2290
Delta R.T. -0.01 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Tgt Ion:167 Resp: 26369

Ion	Ratio	Lower	Upper
167	100		
166	23.2	18.1	27.1
139	13.0	11.7	17.5



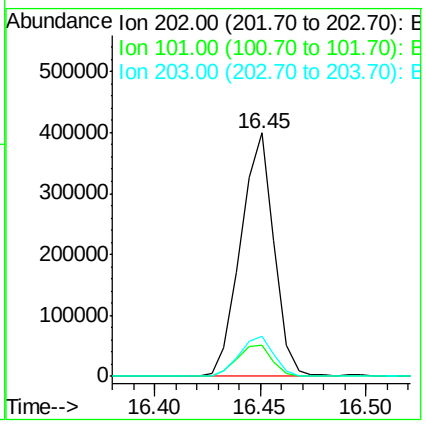


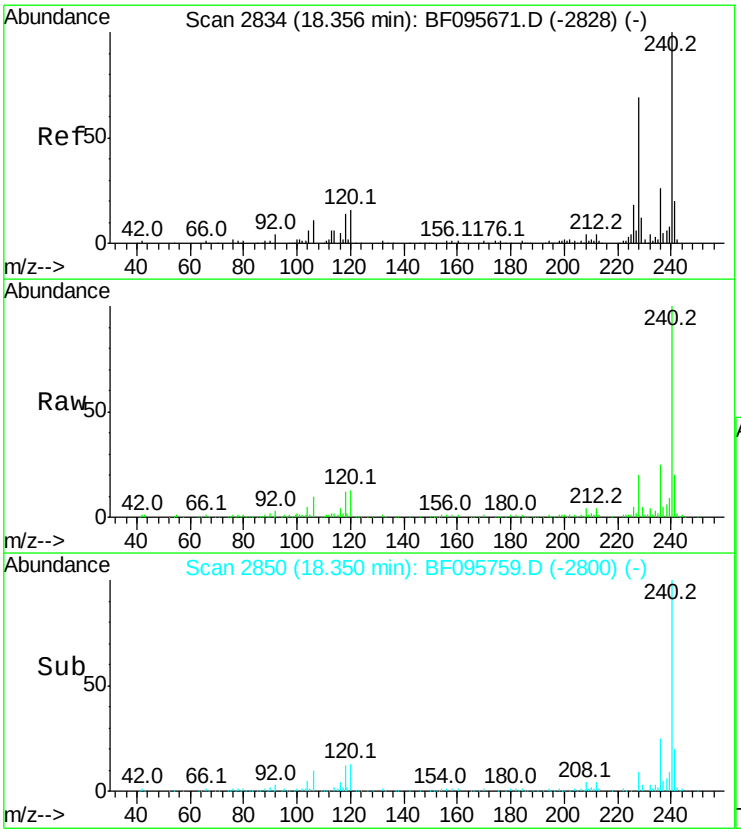
#74
Fluoranthene
Concen: 42.45 ng
RT: 16.45 min Scan# 2527
Delta R.T. -0.01 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 437923

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	16.6	0.0	38.1

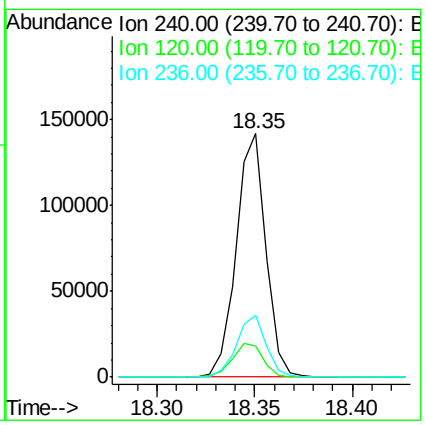


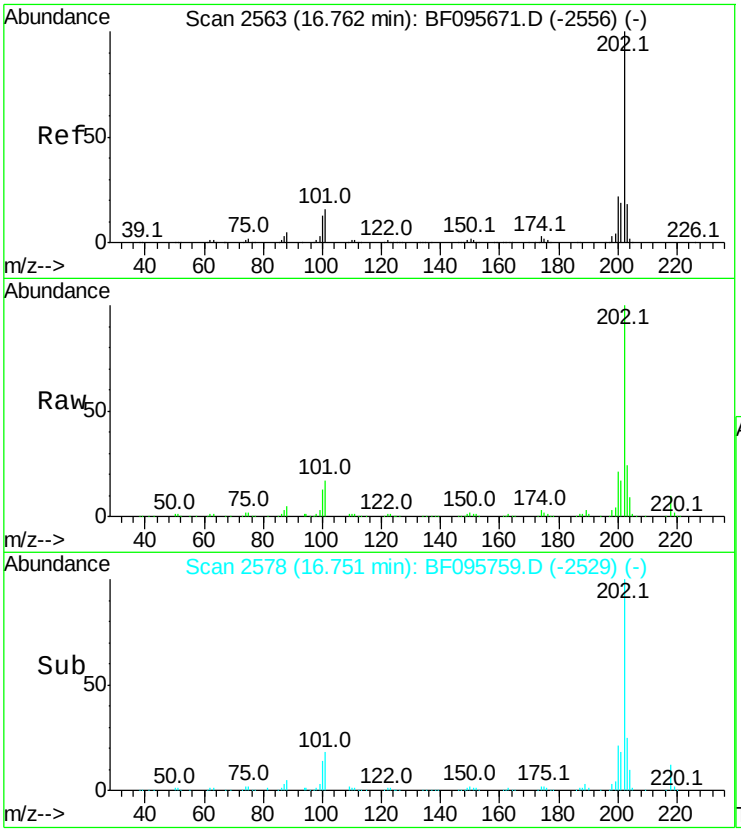


#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.35 min Scan# 2850
Delta R.T. -0.01 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Tgt Ion:240 Resp: 148950

Ion	Ratio	Lower	Upper
240	100		
120	13.0	5.8	8.8#
236	25.2	20.5	30.7



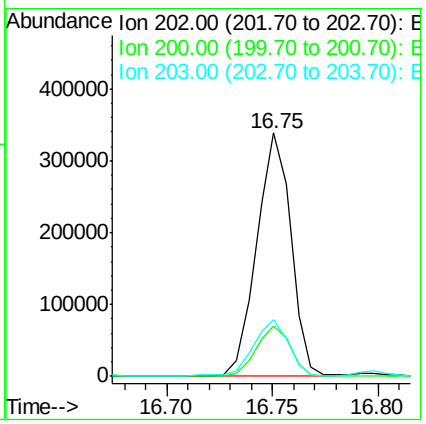


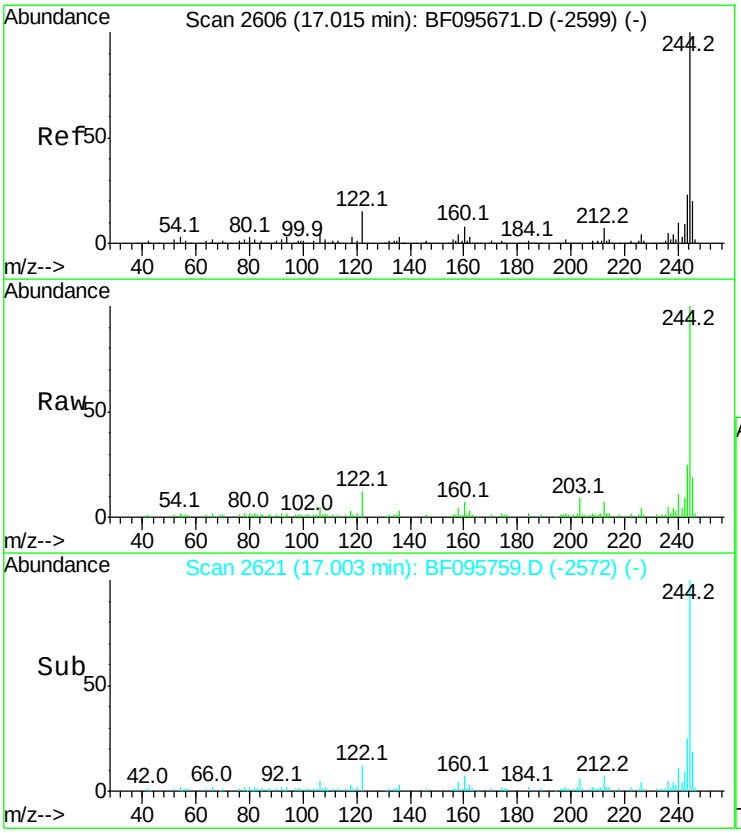
#77
Pyrene
Concen: 34.34 ng
RT: 16.75 min Scan# 2578
Delta R.T. -0.01 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 381661

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.6	26.4
203	23.6	14.4	21.6#

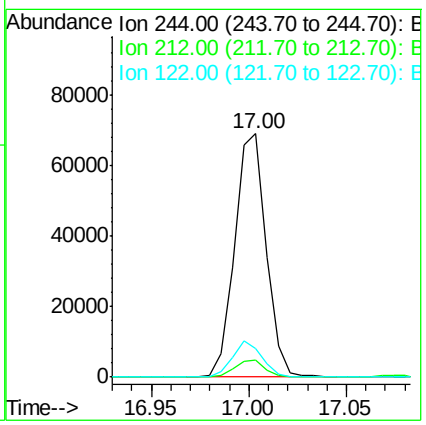


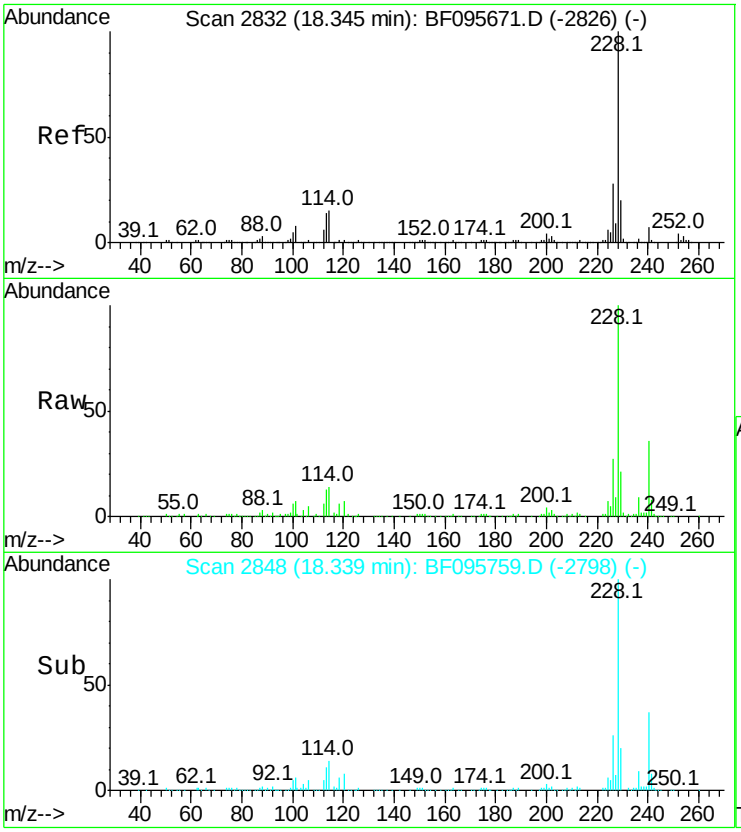


#78
Terphenyl-d14
Concen: 12.77 ng
RT: 17.00 min Scan# 2621
Delta R.T. -0.01 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Tgt Ion:244 Resp: 76645

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	11.7	10.3	15.5



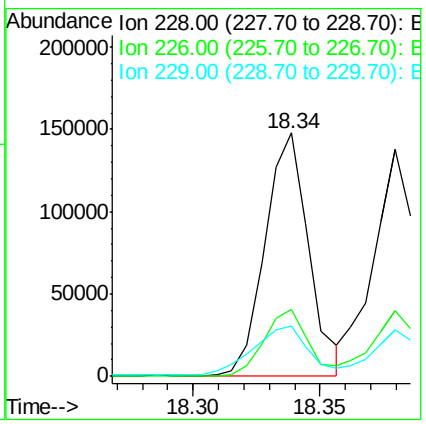


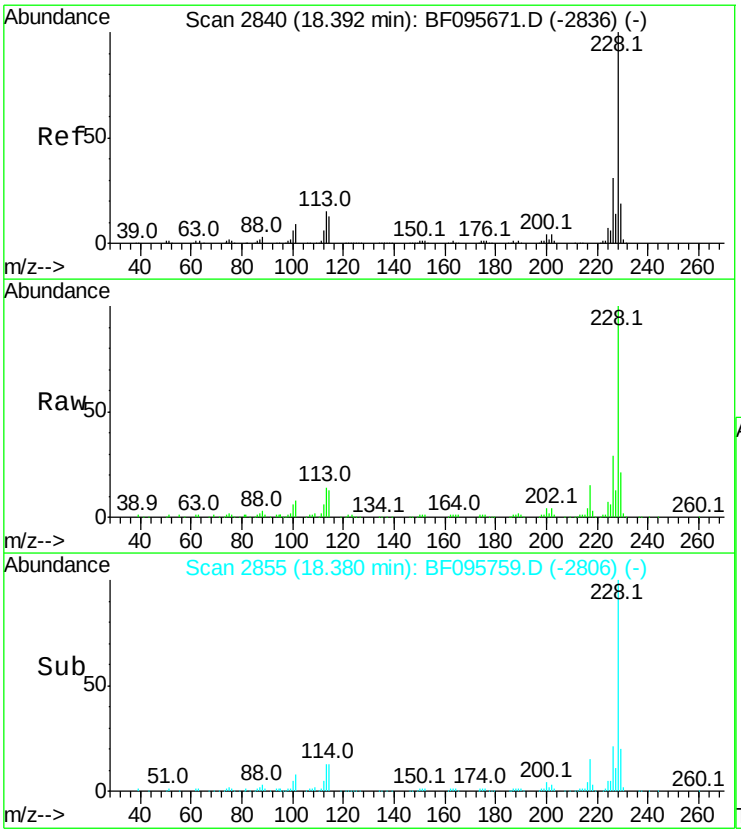
#80
Benzo(a)anthracene
Concen: 20.48 ng
RT: 18.34 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 177353

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	20.6	16.3	24.5

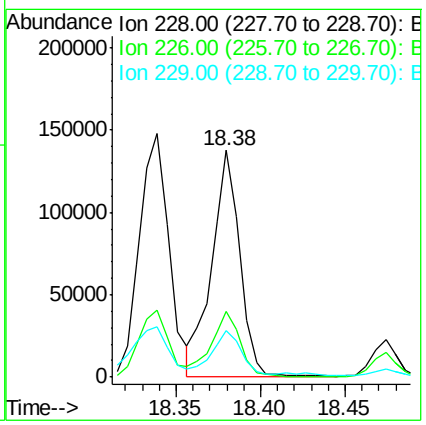


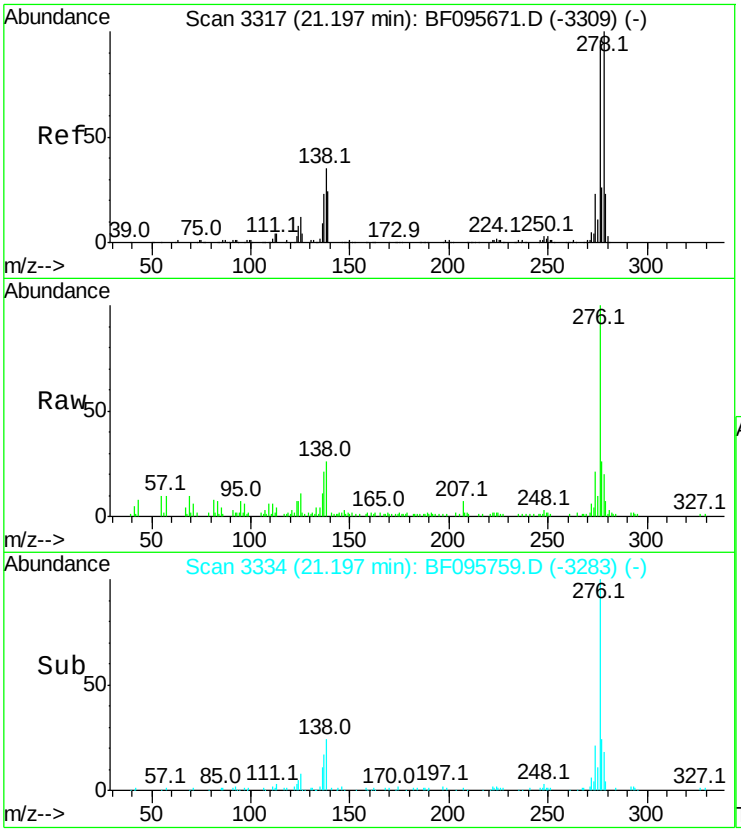


#82
Chrysene
Concen: 18.22 ng
RT: 18.38 min Scan# 2855
Delta R.T. -0.01 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Tgt Ion:228 Resp: 157695

Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.9	37.3
229	20.6	15.8	23.6



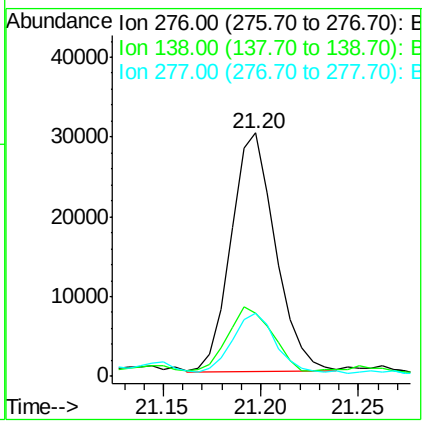


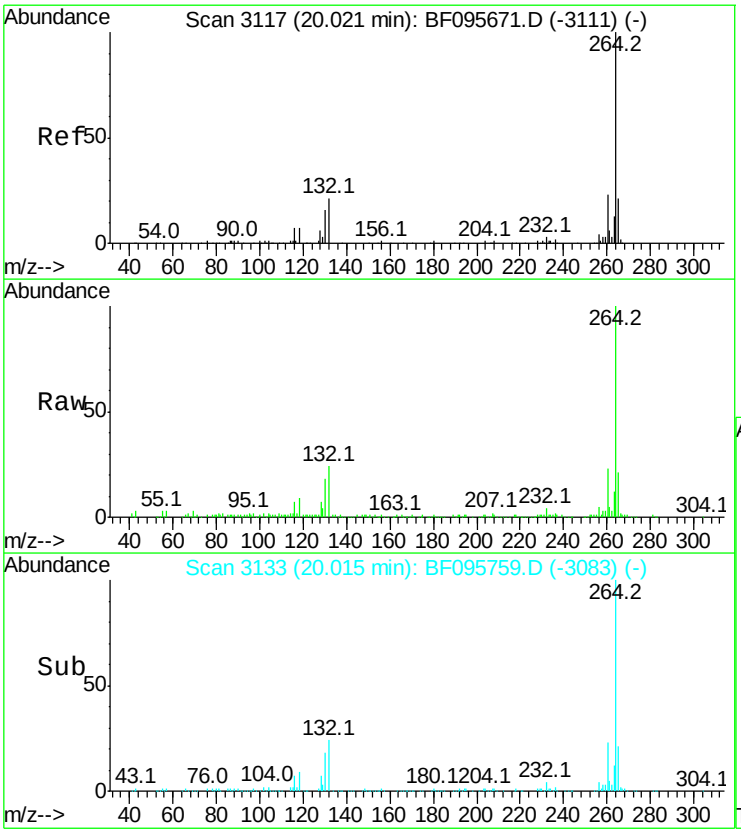
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.32 ng
RT: 21.20 min Scan# 3334
Delta R.T. -0.00 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 46821

Ion	Ratio	Lower	Upper
276	100		
138	30.0	27.8	41.6
277	24.8	20.2	30.4

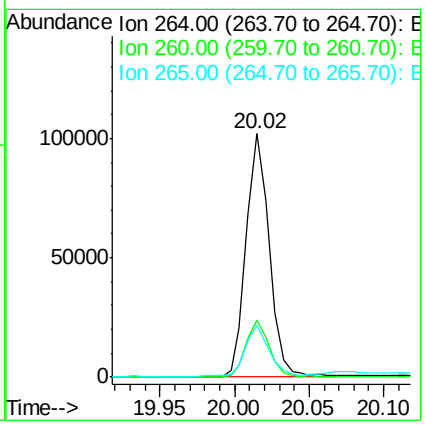


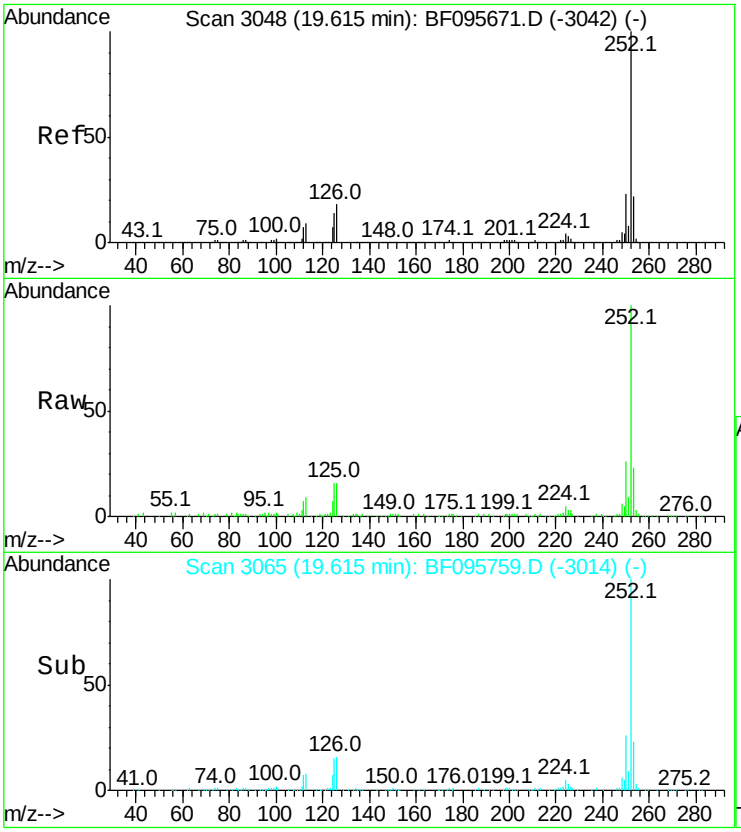


#86
Perylene-d12
Concen: 20.00 ng
RT: 20.02 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Tgt Ion:264 Resp: 109800

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.5	29.3
265	21.3	17.2	25.8



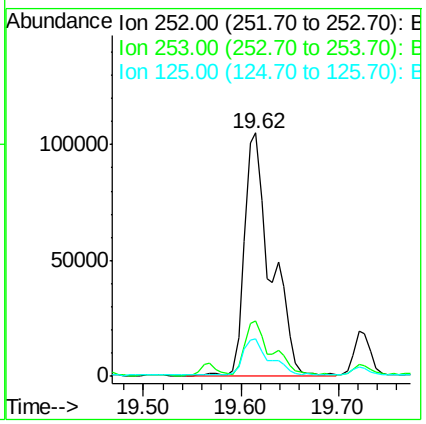


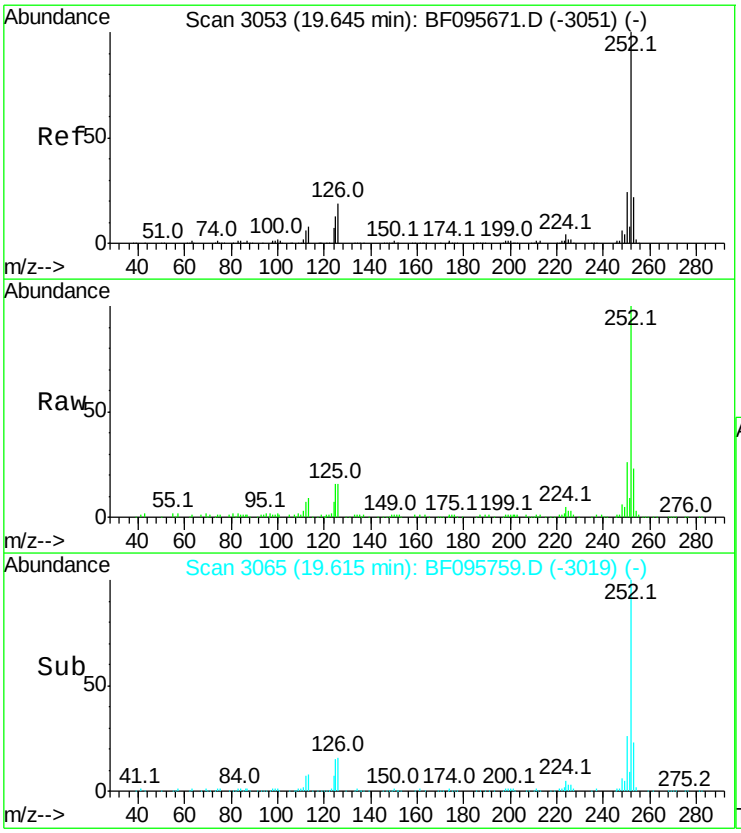
#87
Benzo(b)fluoranthene
Concen: 28.66 ng
RT: 19.62 min Scan# 3065
Delta R.T. -0.00 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 197044

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	15.6	9.8	14.8#

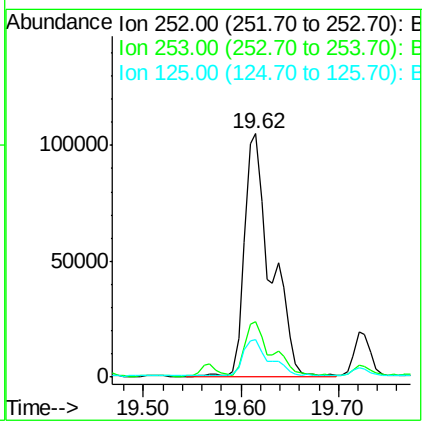


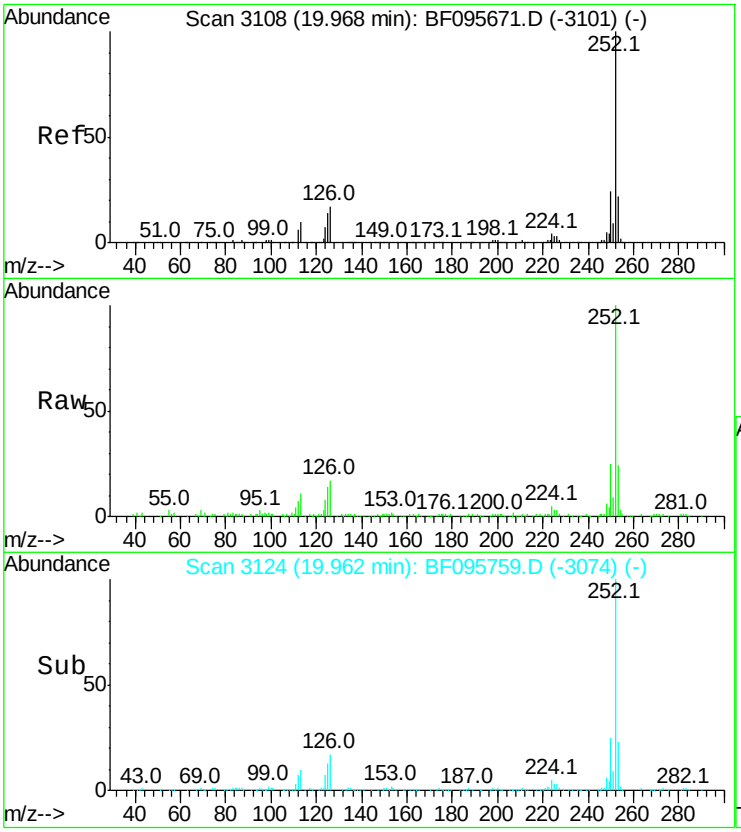


#88
Benzo(k)fluoranthene
Concen: 29.98 ng
RT: 19.62 min Scan# 3065
Delta R.T. -0.03 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Tgt Ion:252 Resp: 197044

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	15.6	13.1	19.7



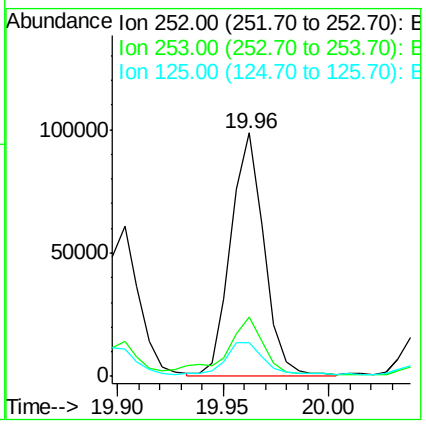


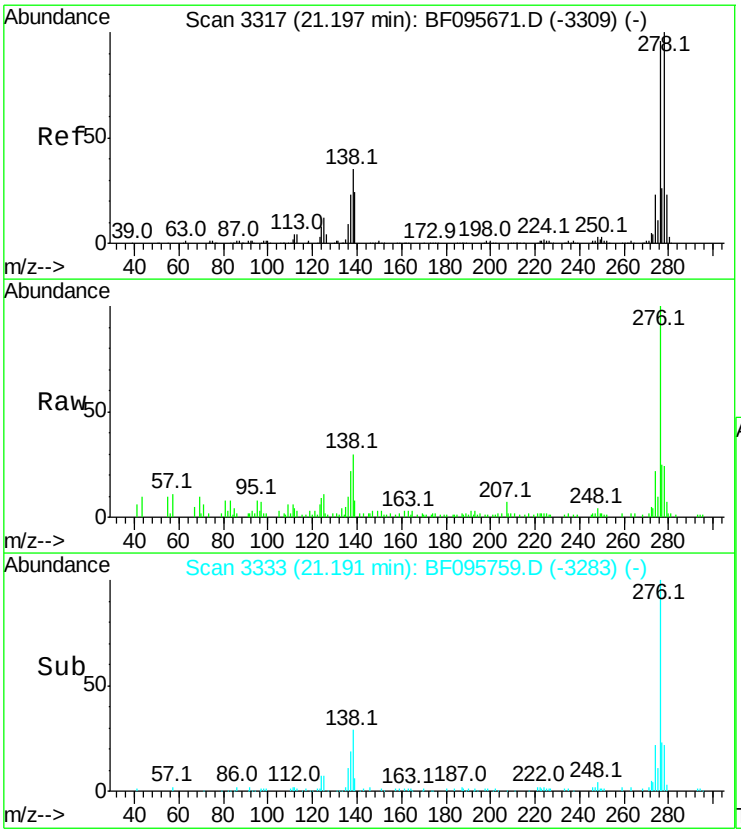
#89
Benzo(a)pyrene
Concen: 16.86 ng
RT: 19.96 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 106552

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.5	26.3
125	14.0	11.0	16.4

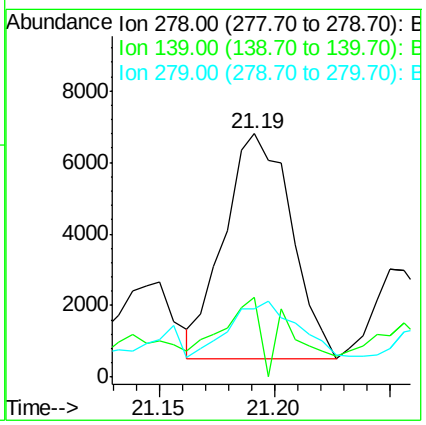


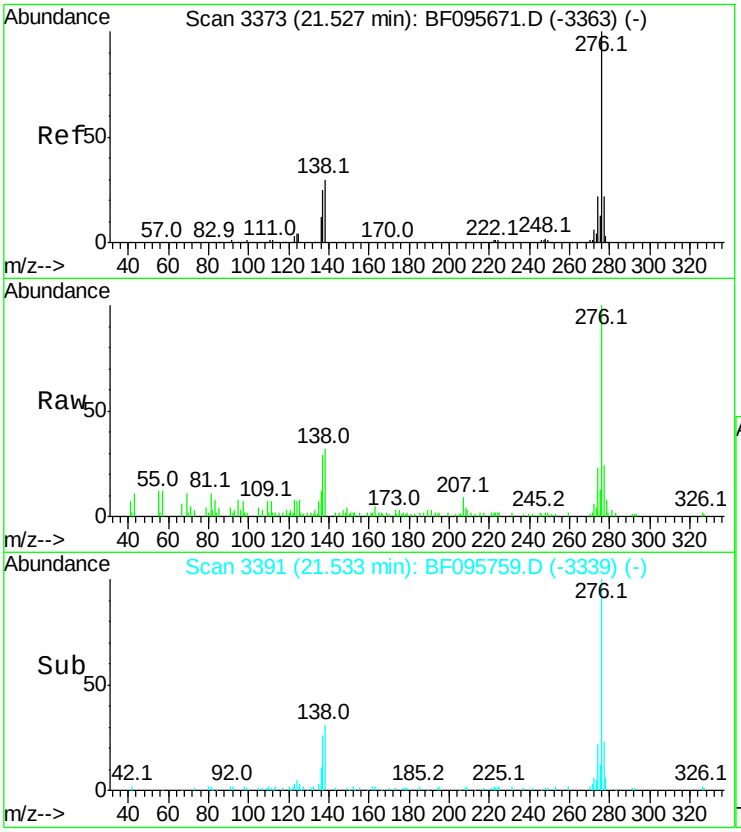


#90
Dibenzo(a,h)anthracene
Concen: 2.38 ng
RT: 21.19 min Scan# 3333
Delta R.T. -0.01 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Tgt Ion:278 Resp: 12750

Ion	Ratio	Lower	Upper
278	100		
139	33.0	16.6	24.8#
279	28.0	19.3	28.9





#91
Benzo(g,h,i)perylene
Concen: 8.34 ng
RT: 21.53 min Scan# 3391
Delta R.T. 0.01 min
Lab File: BF095759.D
Acq: 7 Jun 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 45562

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	28.0
138	31.8	25.4	38.0