Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061317\
Data File : BF095915.D
Acq On : 14 Jun 2017 2:44
Operator : SJ/MA
Sample : I3635-07 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Jun 14 04:16:56 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	7.35	152	76465	20.00	ng		-0.05
21) Naphthalene-d8	9.38	136	290645	20.00	ng		-0.05
38) Acenaphthene-d10	12.20	164	117139	20.00	ng		-0.05
63) Phenanthrene-d10	14.60	188	187171	20.00	ng		-0.05
75) Chrysene-d12	18.32	240	143359	20.00	ng		-0.04
86) Perylene-d12	19.99	264	109616	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.28	112	70235	14.64	ng		0.00
7) Phenol-d6	6.96	99	87873	15.30	ng		0.00
23) Nitrobenzene-d5	8.28	82	47741	10.20	ng		-0.04
41) 2,4,6-Tribromophenol	13.52	330	15235	14.70	ng		-0.04
44) 2-Fluorobiphenyl	11.16	172	112610	13.38	ng		-0.05
78) Terphenyl-d14	16.97	244	77566	13.43	ng		-0.05
Target Compounds							Qvalue
50) 2,6-Dinitrotoluene	12.20	165	14267	7.35	ng	#	31
55) 4-Nitrophenol	12.57	139	2160	6.17	ng	#	25
70) Phenanthrene	14.64	178	281427	26.06	ng		97
71) Anthracene	14.64	178	281427	24.96	ng		97
72) Carbazole	15.04	167	26313	2.39	ng		98
74) Fluoranthene	16.42	202	577053	53.99	ng		97
77) Pyrene	16.73	202	463247	43.31	ng		98
80) Benzo(a)anthracene	18.31	228	167217	20.06	ng		98
82) Chrysene	18.36	228	218704	26.26	ng		98
85) Indeno(1,2,3-cd)pyrene	21.17	276	82369	11.56	ng		95
87) Benzo(b)fluoranthene	19.59	252	296951	43.26	ng	#	97
88) Benzo(k)fluoranthene	19.59	252	296951	45.26	ng		99
89) Benzo(a)pyrene	19.94	252	132802	21.05	ng		98
90) Dibenzo(a,h)anthracene	21.16	278	23801	4.45	ng	#	85
91) Benzo(g,h,i)perylene	21.50	276	77494	14.20	ng		96

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

Quantitation Report (Not Reviewed)

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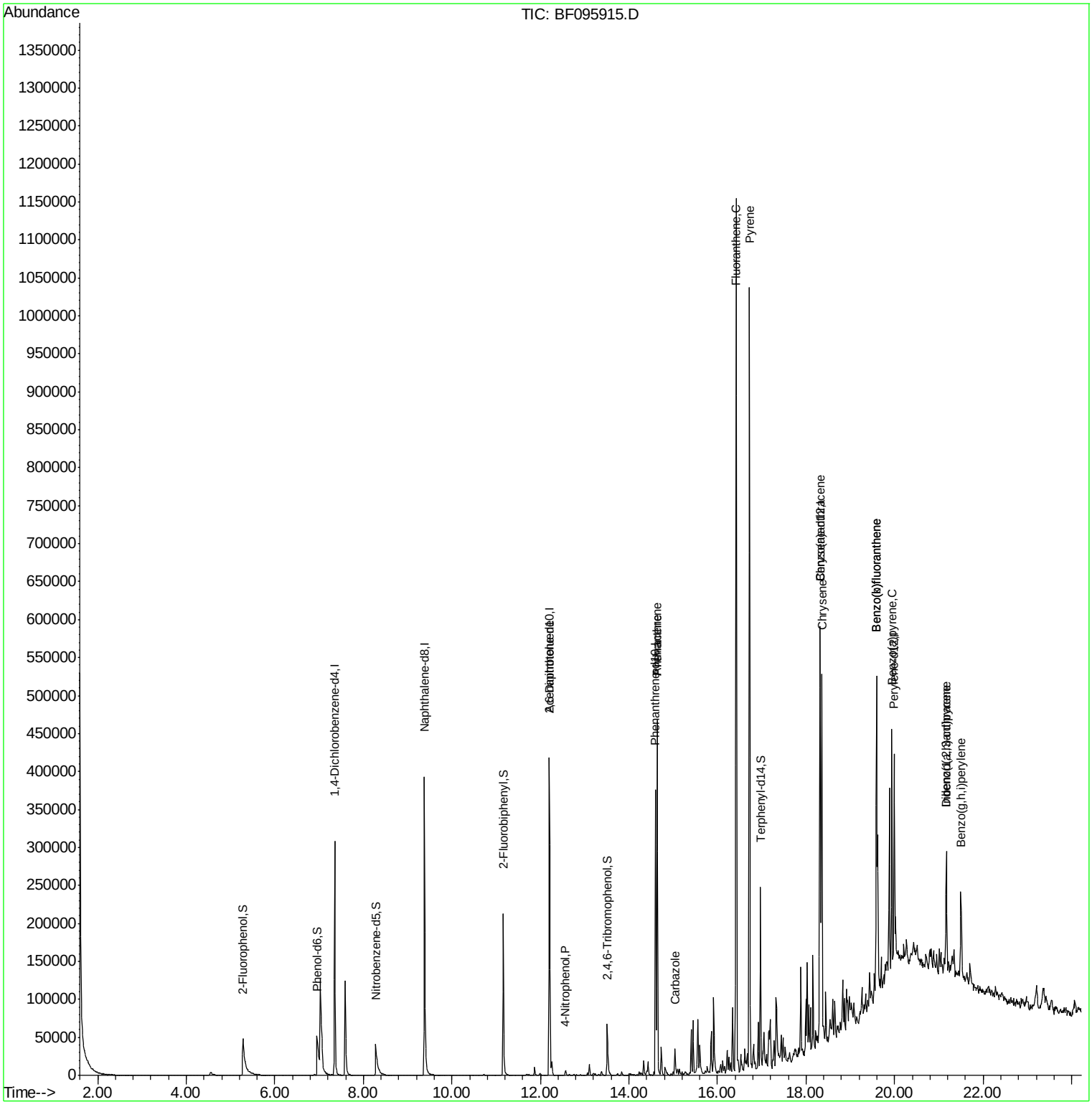
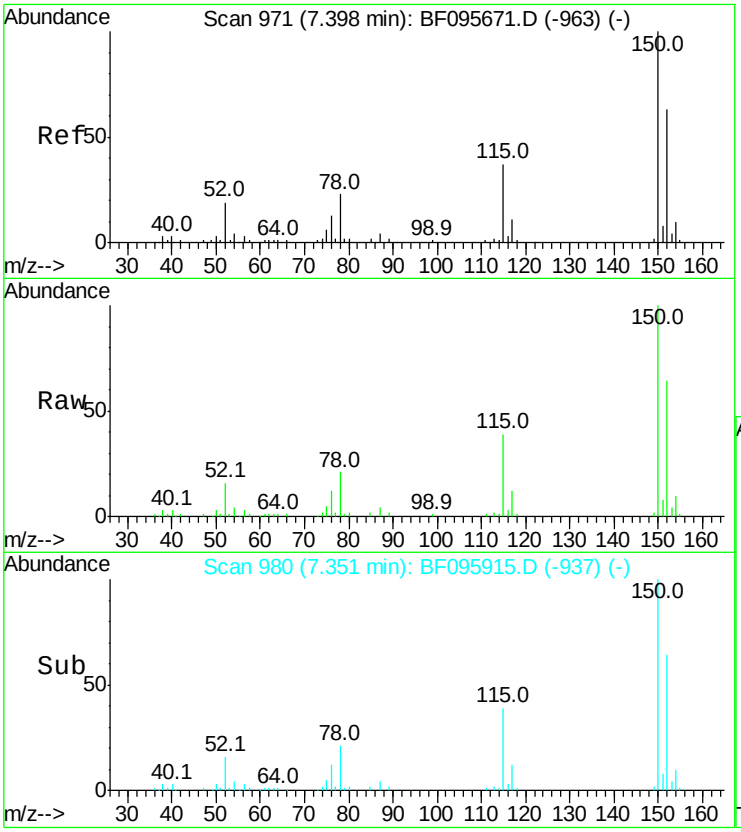
QLast Update : Mon Jun 05 16:15:31 2017
Response via : Initial Calibration



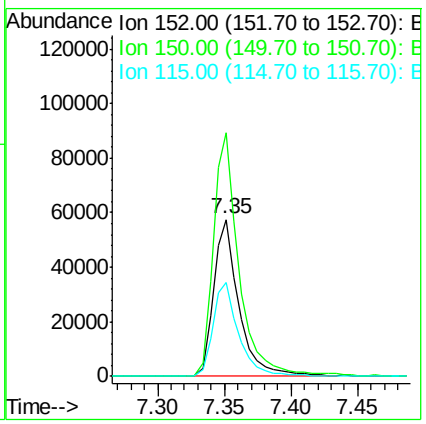


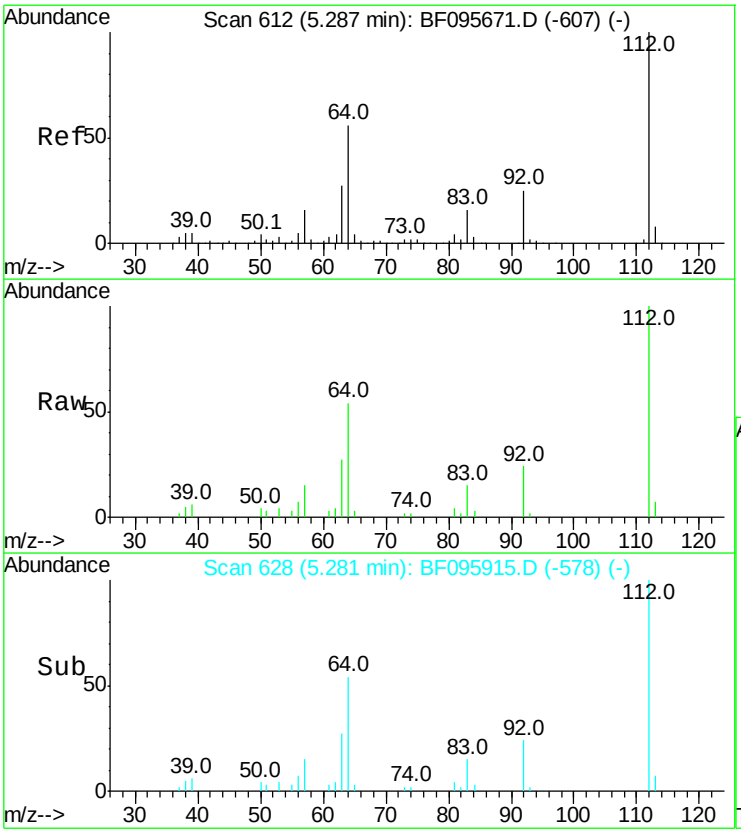
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.35 min Scan# 980
Delta R.T. -0.05 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 76465

Ion	Ratio	Lower	Upper
152	100		
150	155.4	126.2	189.2
115	60.0	52.2	78.2

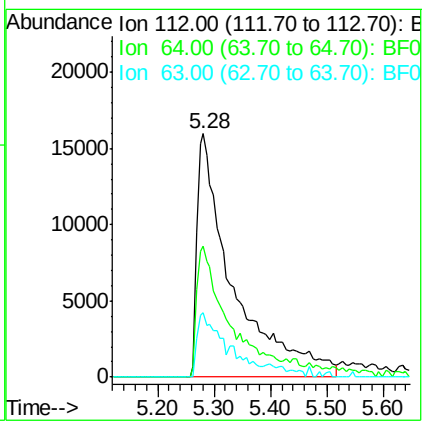


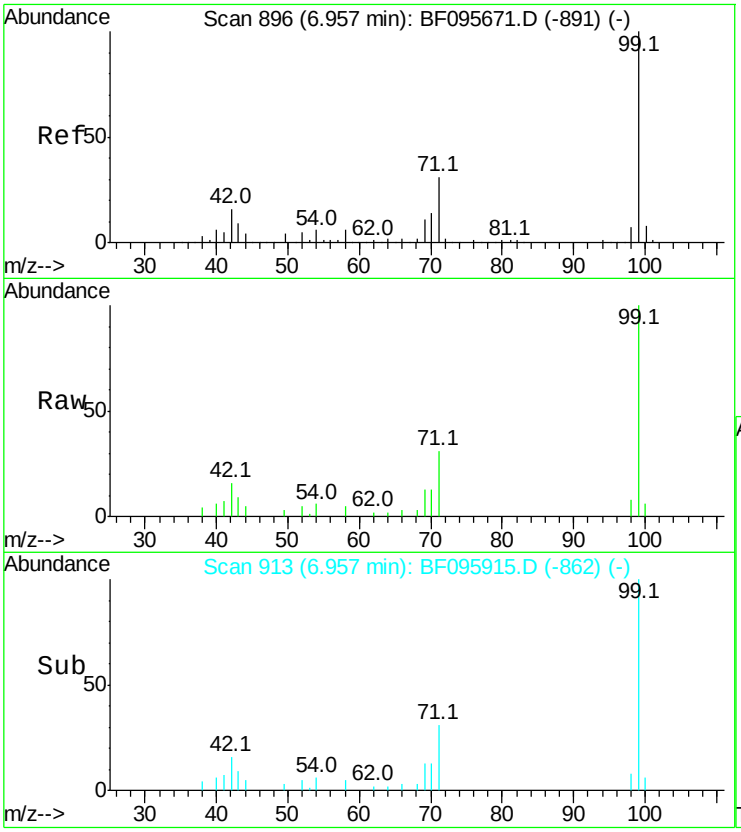


#5
2-Fluorophenol
Concen: 14.64 ng
RT: 5.28 min Scan# 628
Delta R.T. -0.01 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Tgt Ion:112 Resp: 70235

Ion	Ratio	Lower	Upper
112	100		
64	54.0	46.0	69.0
63	26.6	23.4	35.0



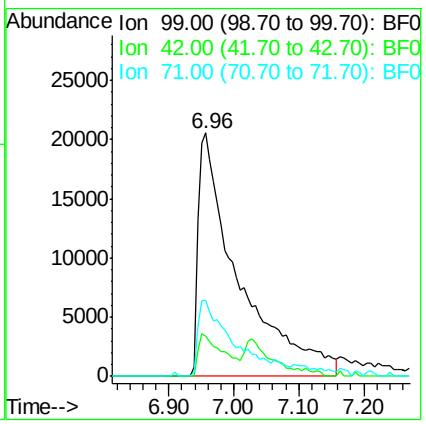


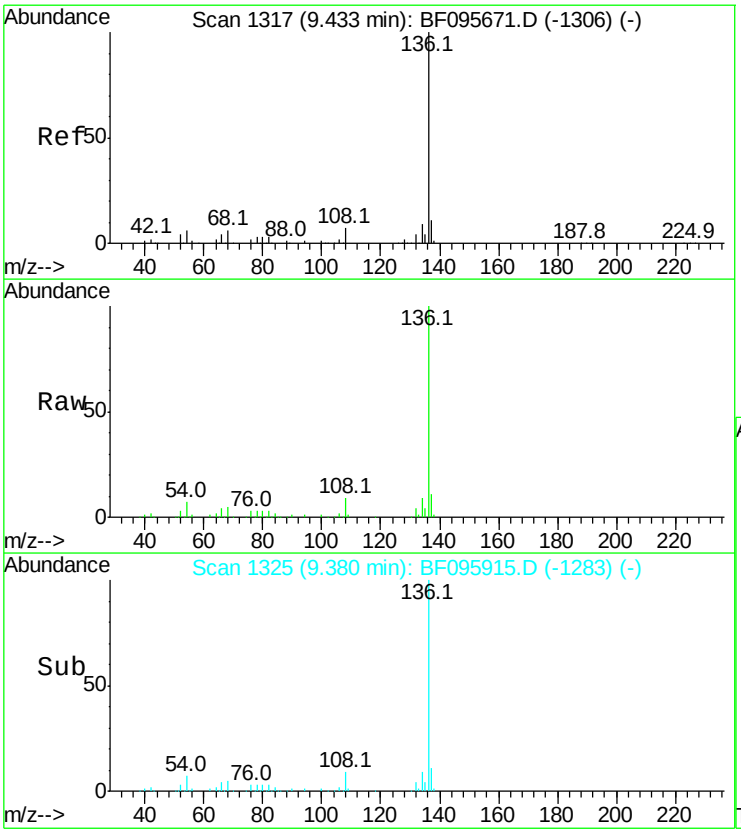
#7
Phenol-d6
Concen: 15.30 ng
RT: 6.96 min Scan# 913
Delta R.T. -0.00 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 87873

Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.5	20.3
71	31.3	24.5	36.7

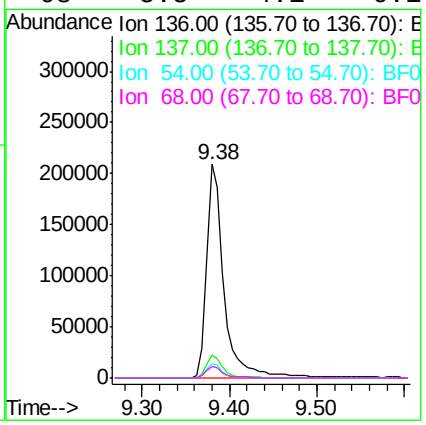


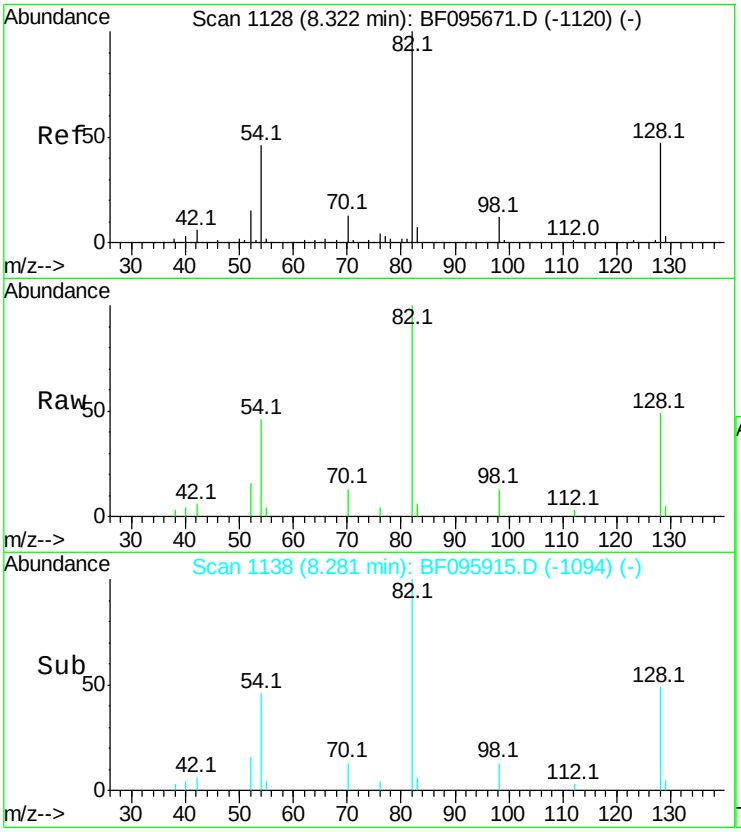


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.38 min Scan# 1325
Delta R.T. -0.05 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Tgt Ion:136 Resp: 290645

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	6.8	4.9	7.3
68	5.5	4.1	6.1



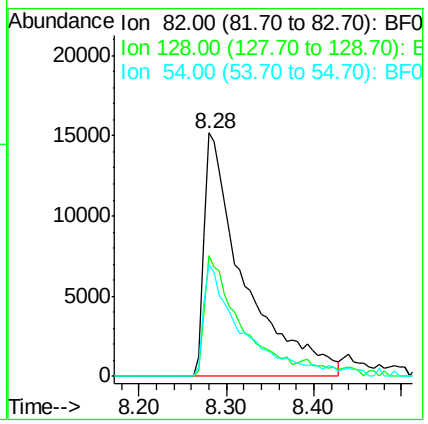


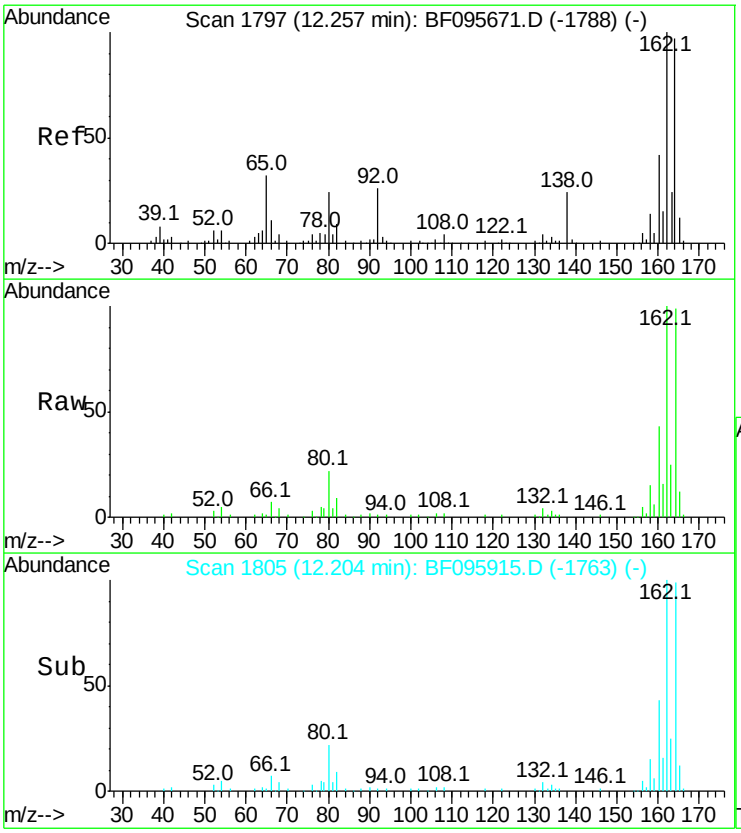
#23
Nitrobenzene-d5
Concen: 10.20 ng
RT: 8.28 min Scan# 1138
Delta R.T. -0.04 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 47741

Ion	Ratio	Lower	Upper
82	100		
128	49.5	34.0	51.0
54	46.1	42.2	63.2

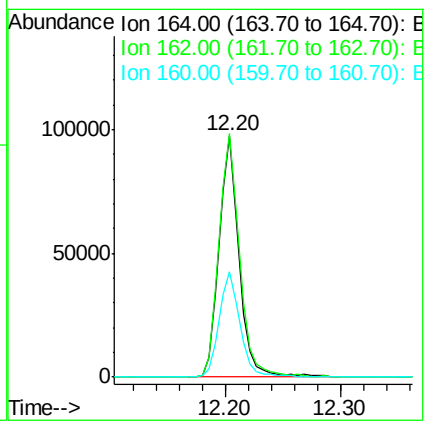


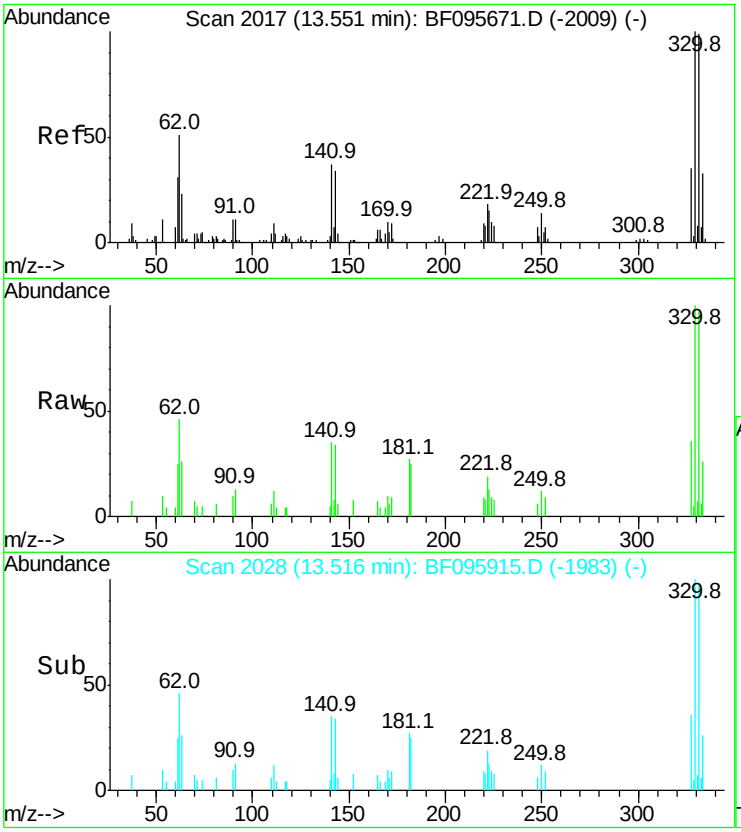


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.20 min Scan# 1805
Delta R.T. -0.05 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Tgt Ion:164 Resp: 117139

Ion	Ratio	Lower	Upper
164	100		
162	100.9	82.6	123.8
160	43.8	36.2	54.2



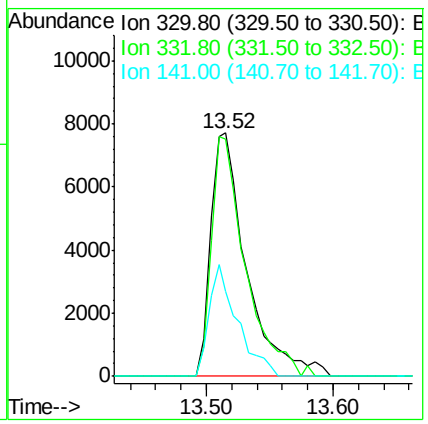


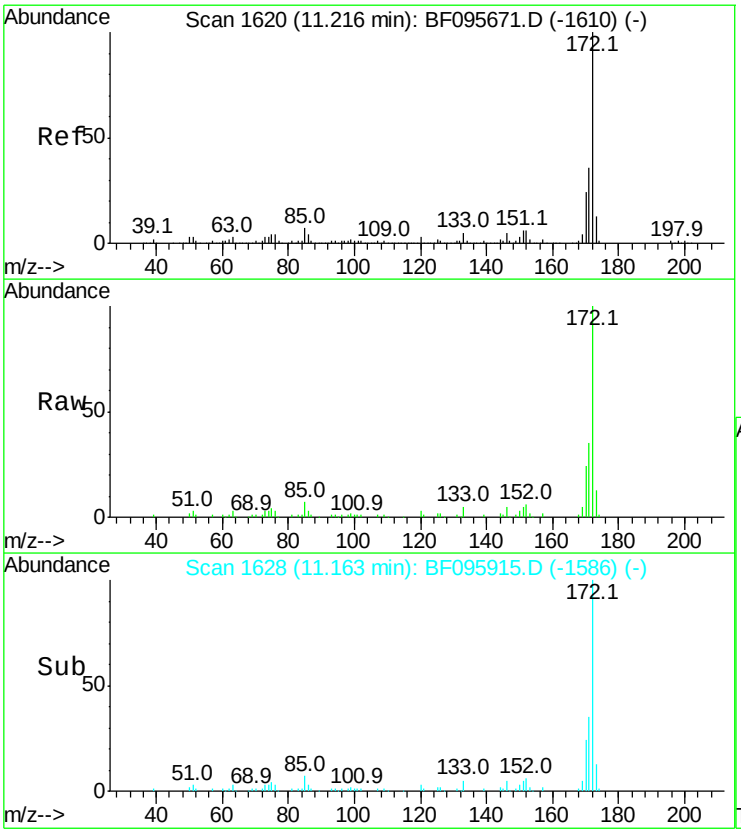
#41
2,4,6-Tribromophenol
Concen: 14.70 ng
RT: 13.52 min Scan# 2028
Delta R.T. -0.04 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 15235

Ion	Ratio	Lower	Upper
330	100		
332	92.8	76.6	115.0
141	36.4	31.4	47.2

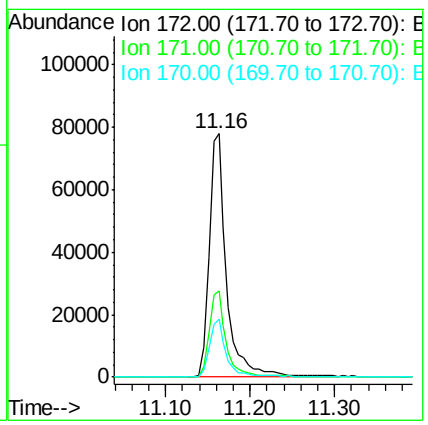


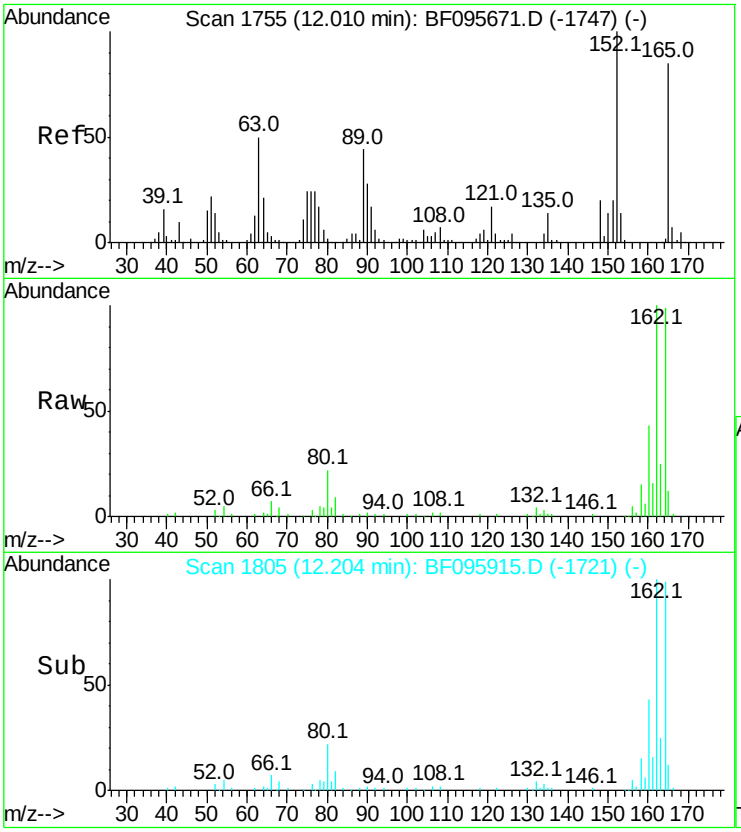


#44
2-Fluorobiphenyl
Concen: 13.38 ng
RT: 11.16 min Scan# 1628
Delta R.T. -0.05 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Tgt Ion:172 Resp: 112610

Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.6	44.4
170	23.9	19.8	29.8



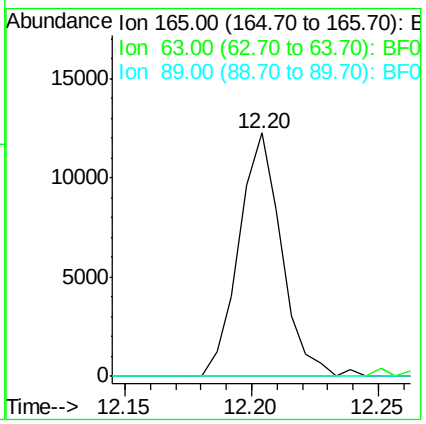


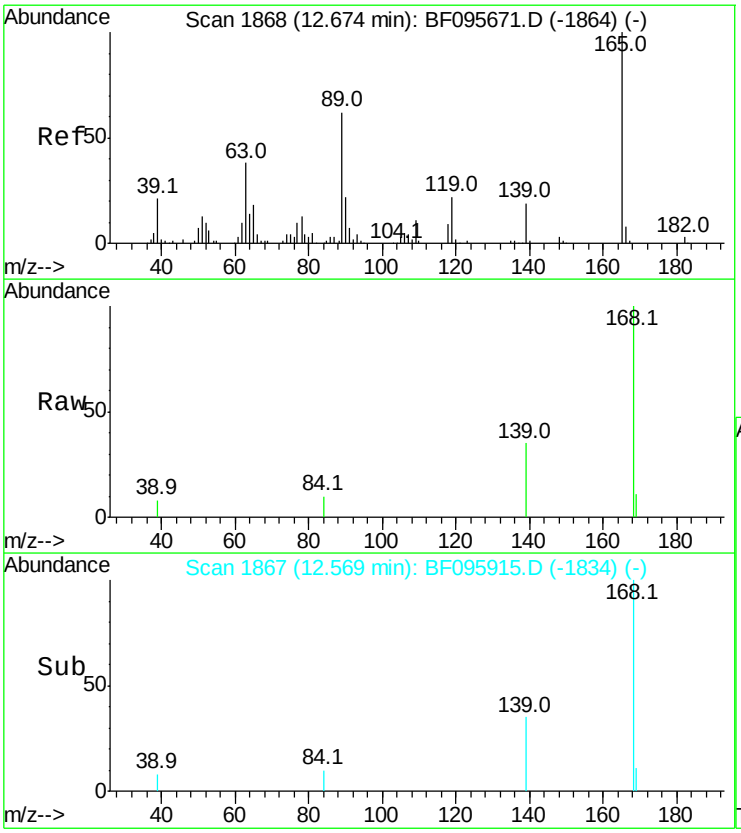
#50
2,6-Dinitrotoluene
Concen: 7.35 ng
RT: 12.20 min Scan# 1805
Delta R.T. 0.19 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 14267

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

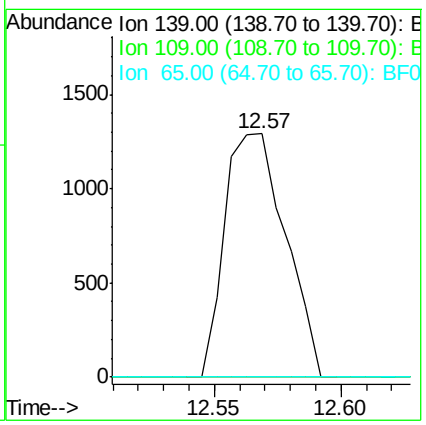


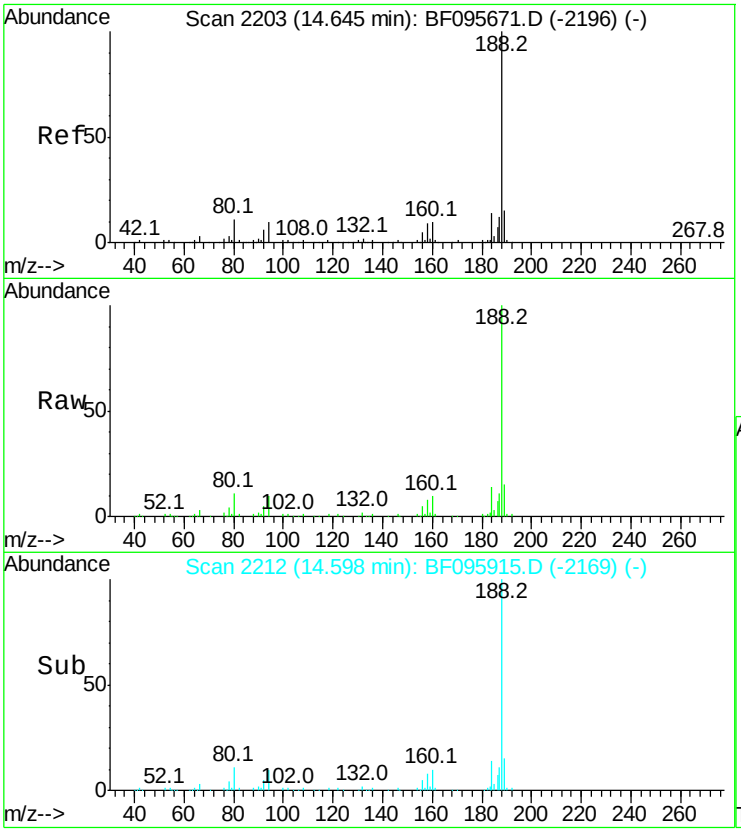


#55
4-Nitrophenol
Concen: 6.17 ng
RT: 12.57 min Scan# 1867
Delta R.T. -0.11 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Tgt Ion:139 Resp: 2160

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



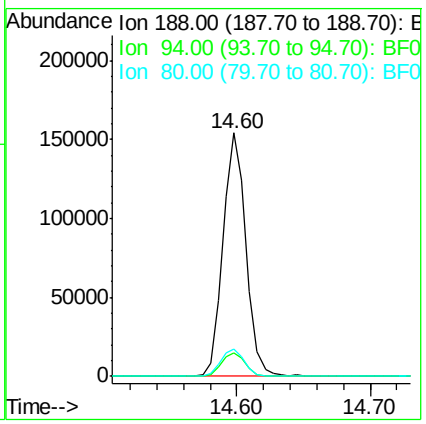


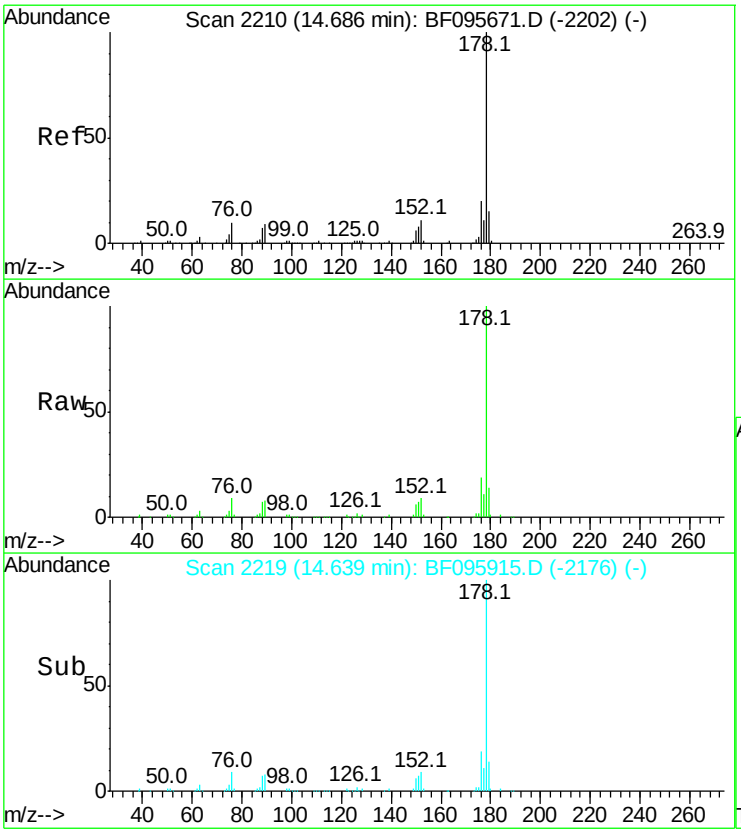
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.60 min Scan# 2212
Delta R.T. -0.05 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 187171

Ion	Ratio	Lower	Upper
188	100		
94	9.8	9.4	14.2
80	11.2	10.2	15.2

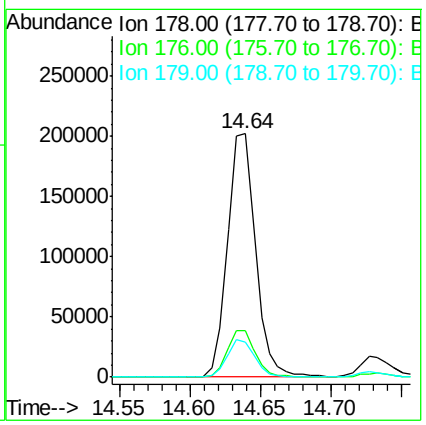


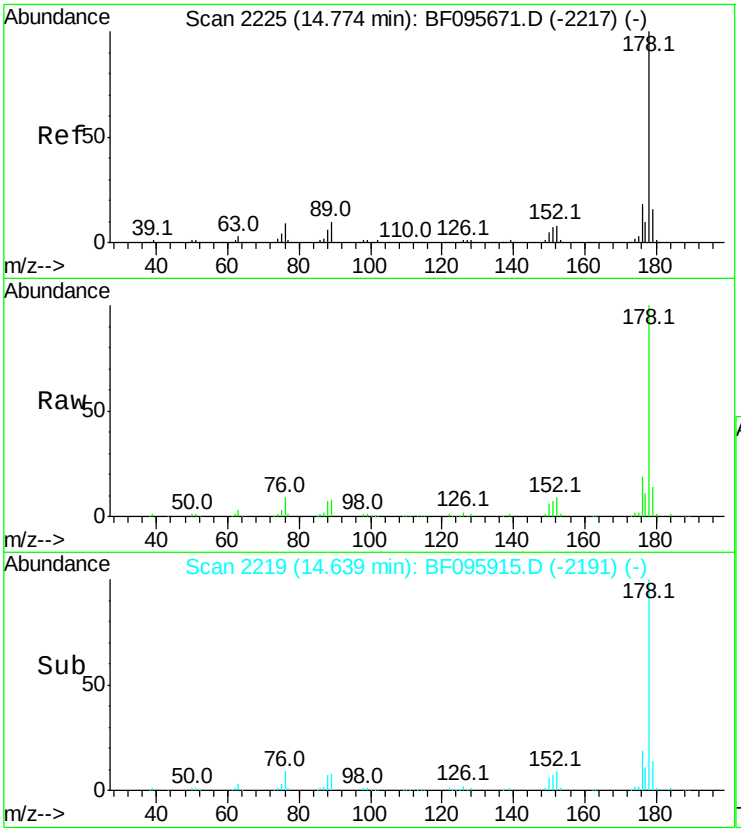


#70
Phenanthrene
Concen: 26.06 ng
RT: 14.64 min Scan# 2219
Delta R.T. -0.05 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Tgt Ion:178 Resp: 281427

Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.2	24.4
179	14.4	12.6	19.0



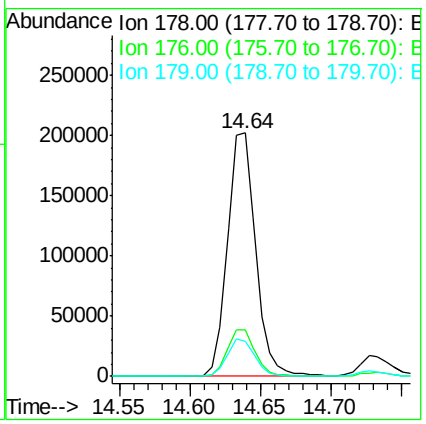


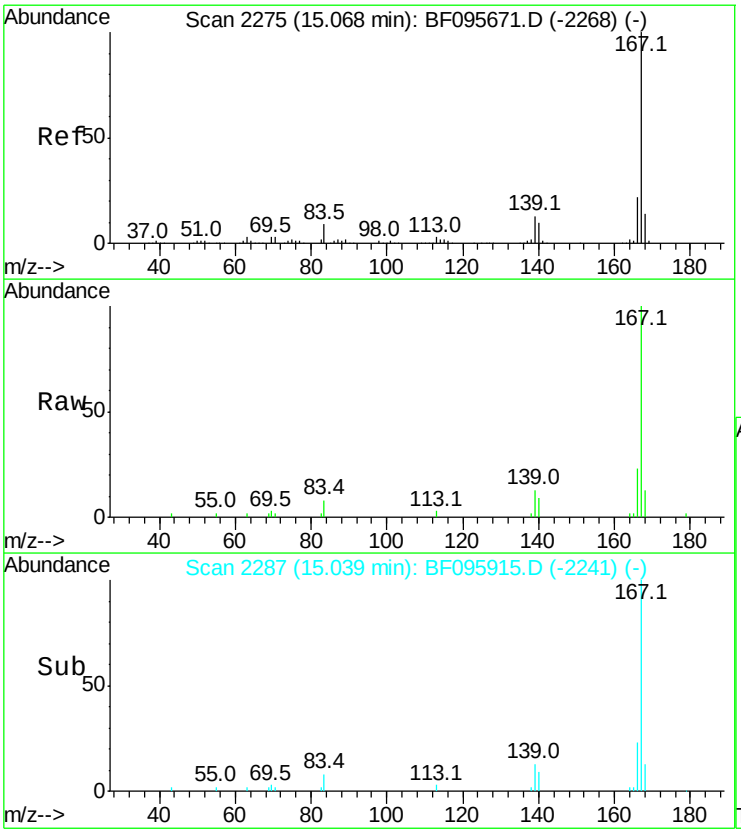
#71
Anthracene
Concen: 24.96 ng
RT: 14.64 min Scan# 2219
Delta R.T. -0.14 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 281427

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	14.4	12.7	19.1

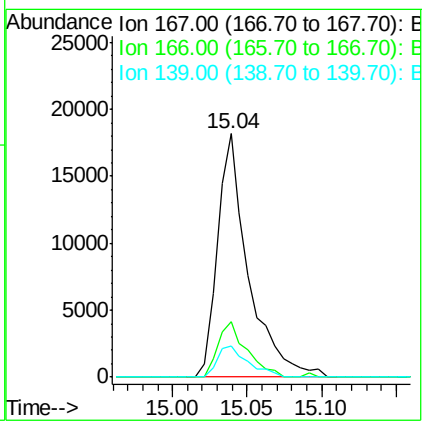


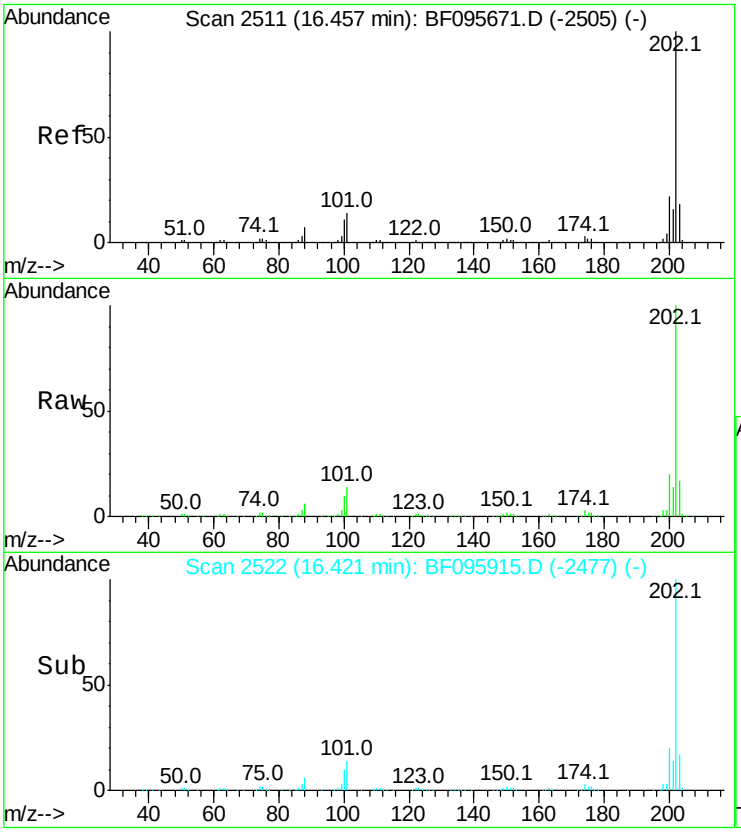


#72
Carbazole
Concen: 2.39 ng
RT: 15.04 min Scan# 2287
Delta R.T. -0.03 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Tgt Ion:167 Resp: 26313

Ion	Ratio	Lower	Upper
167	100		
166	23.0	18.1	27.1
139	13.0	11.7	17.5



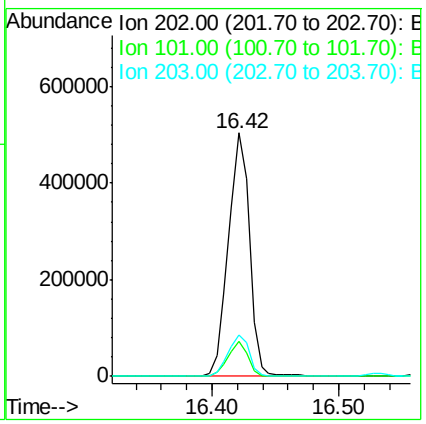


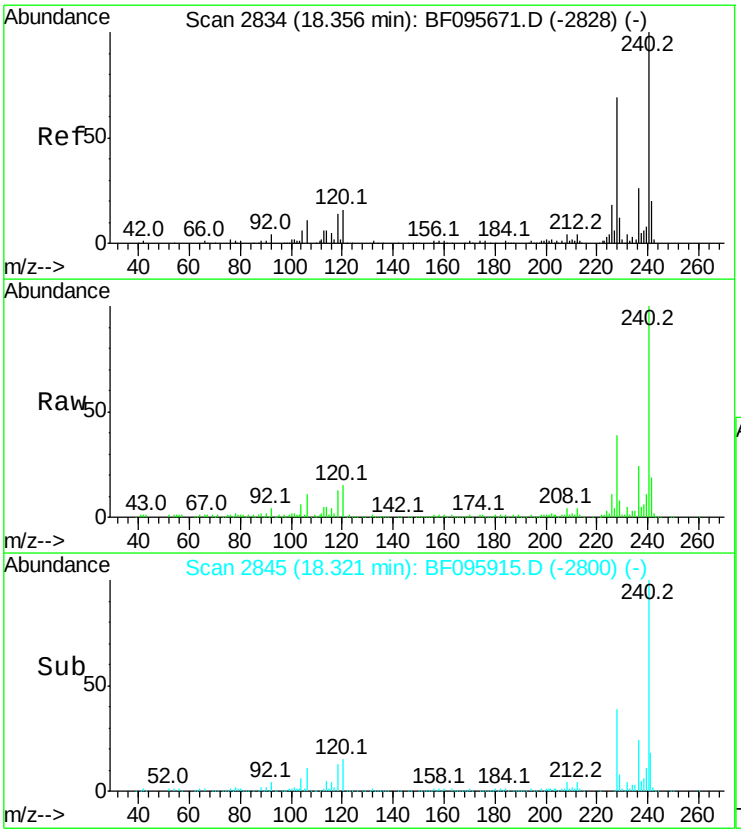
#74
Fluoranthene
Concen: 53.99 ng
RT: 16.42 min Scan# 2522
Delta R.T. -0.04 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 577053

Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	33.2
203	16.8	0.0	38.1

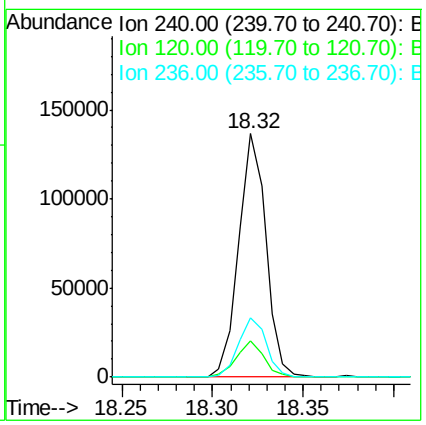


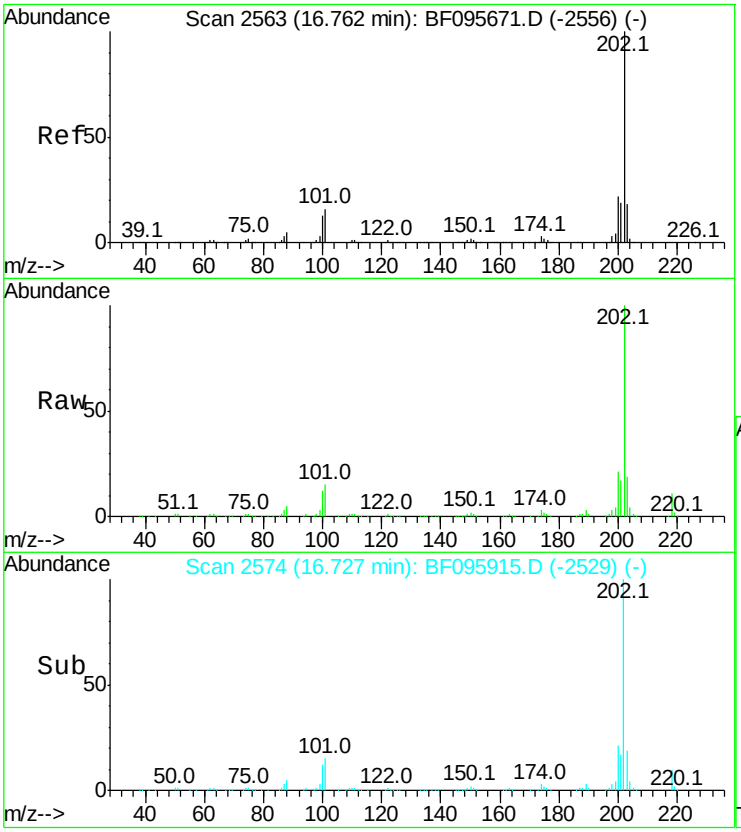


#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.32 min Scan# 2845
Delta R.T. -0.04 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Tgt Ion:240 Resp: 143359

Ion	Ratio	Lower	Upper
240	100		
120	14.9	5.8	8.8#
236	24.4	20.5	30.7



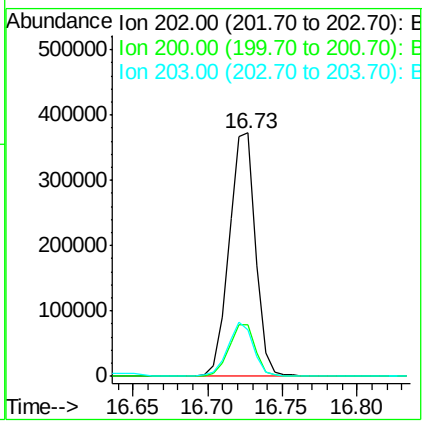


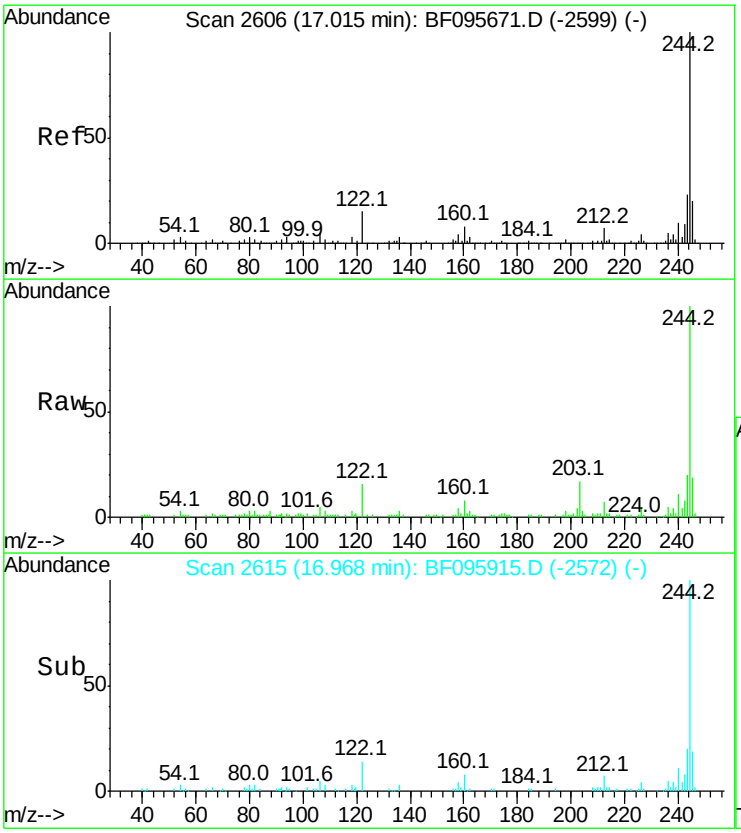
#77
Pyrene
Concen: 43.31 ng
RT: 16.73 min Scan# 2574
Delta R.T. -0.04 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 463247

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	19.2	14.4	21.6

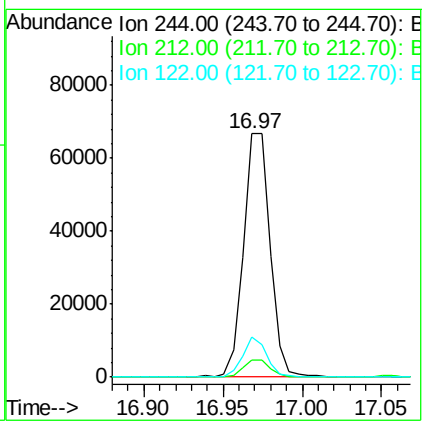


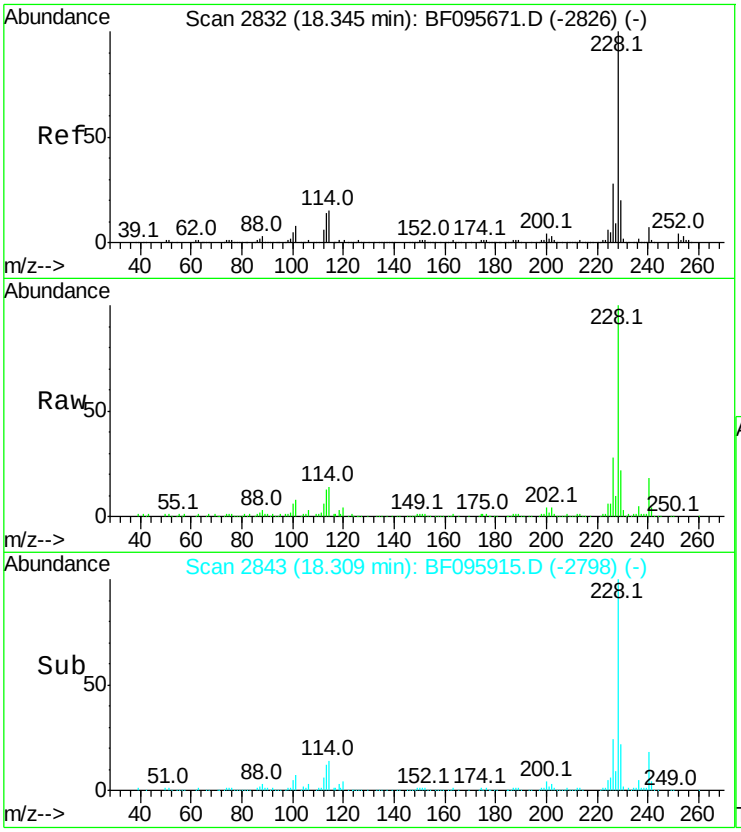


#78
Terphenyl-d14
Concen: 13.43 ng
RT: 16.97 min Scan# 2615
Delta R.T. -0.05 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Tgt Ion:244 Resp: 77566

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	16.3	10.3	15.5#



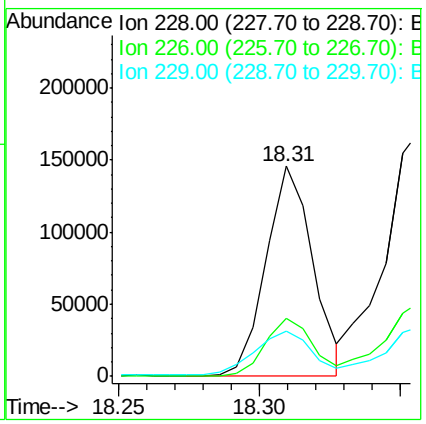


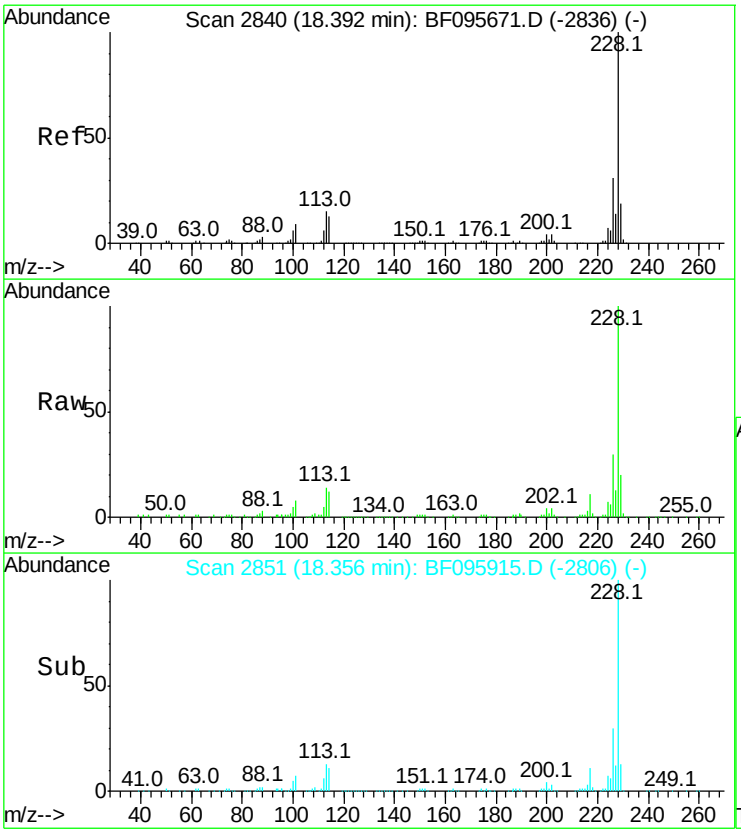
#80
Benzo(a)anthracene
Concen: 20.06 ng
RT: 18.31 min Scan# 2843
Delta R.T. -0.04 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 167217

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	21.7	16.3	24.5

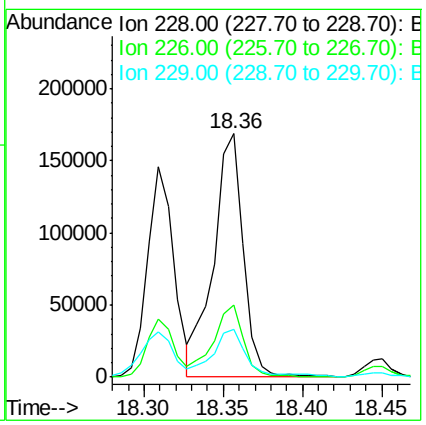


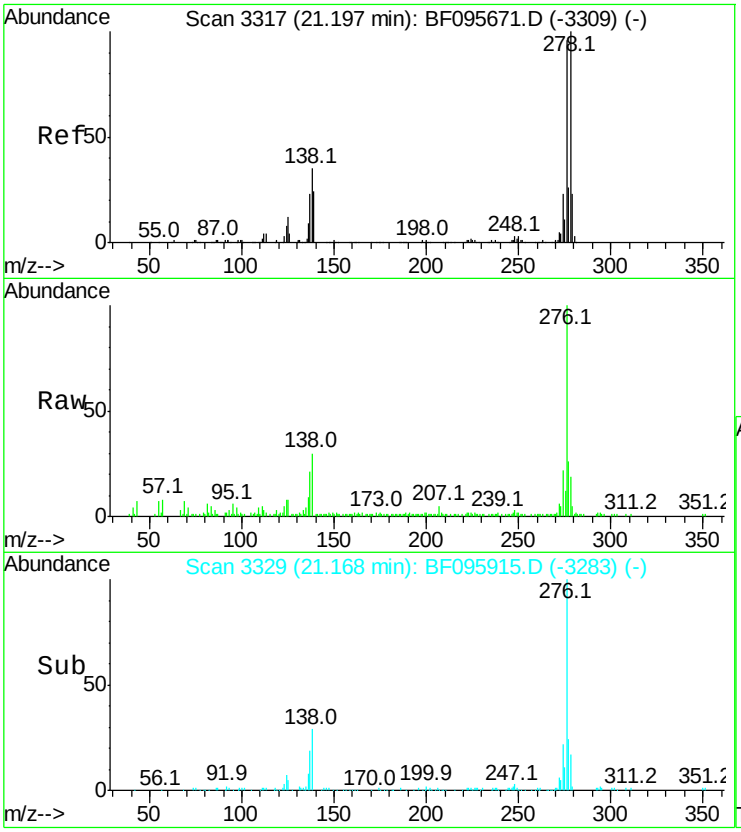


#82
Chrysene
Concen: 26.26 ng
RT: 18.36 min Scan# 2851
Delta R.T. -0.04 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Tgt Ion:228 Resp: 218704

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.9	37.3
229	19.6	15.8	23.6



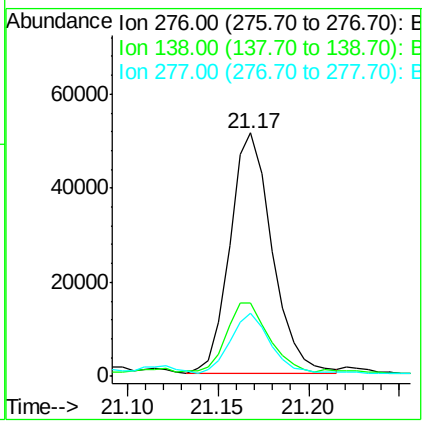


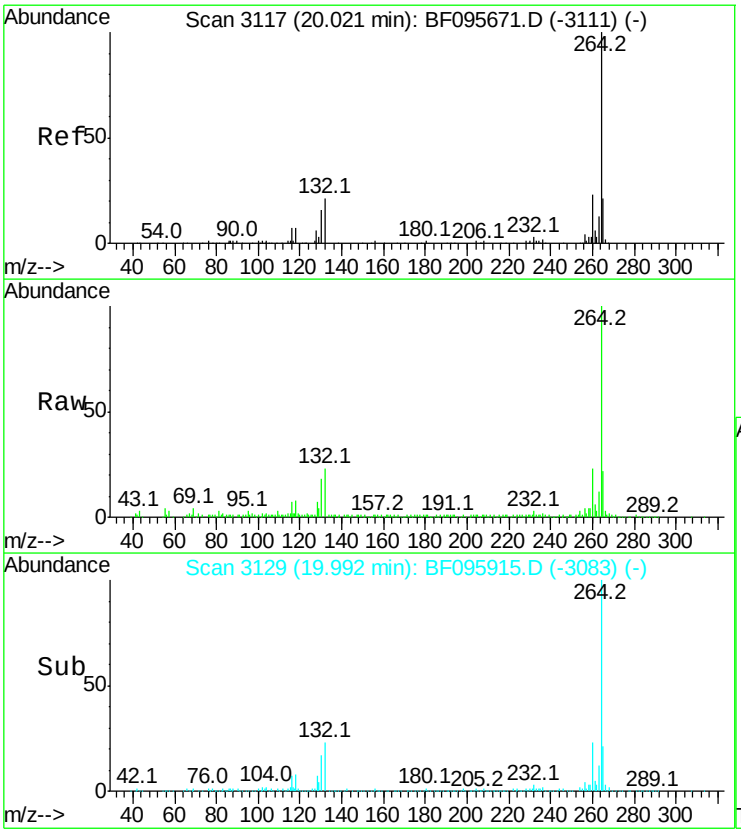
#85
Indeno(1,2,3-cd)pyrene
Concen: 11.56 ng
RT: 21.17 min Scan# 3329
Delta R.T. -0.03 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 82369

Ion	Ratio	Lower	Upper
276	100		
138	30.1	27.8	41.6
277	24.6	20.2	30.4

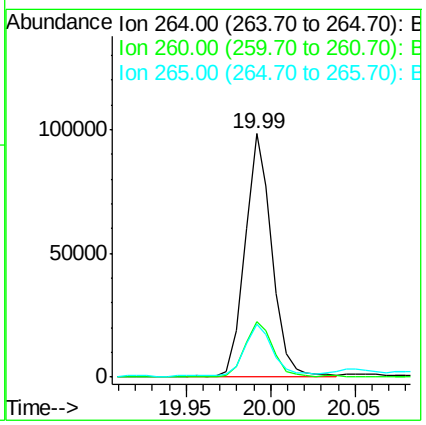


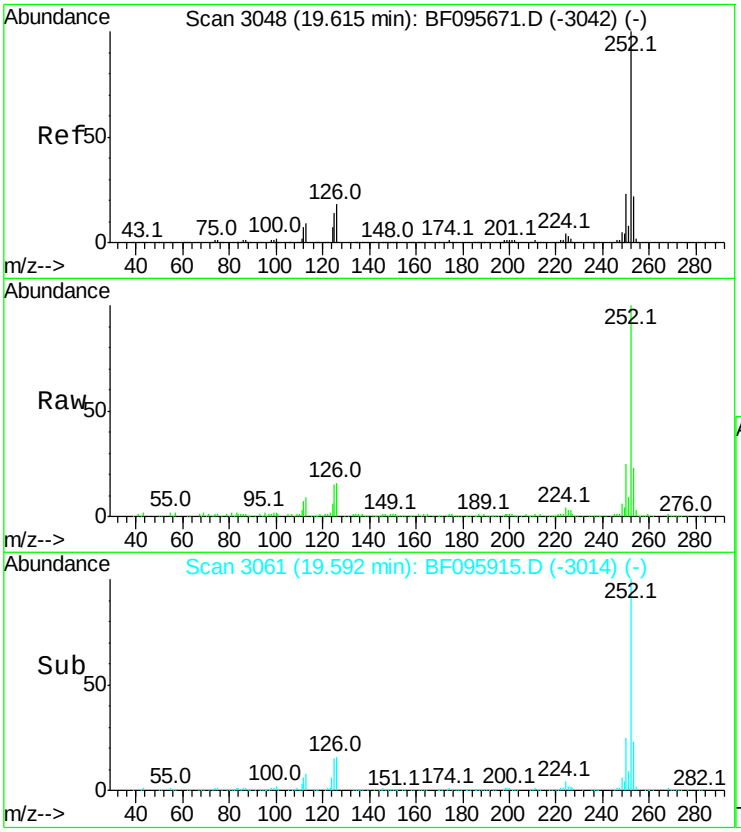


#86
Perylene-d12
Concen: 20.00 ng
RT: 19.99 min Scan# 3129
Delta R.T. -0.03 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Tgt Ion:264 Resp: 109616

Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.5	29.3
265	21.7	17.2	25.8



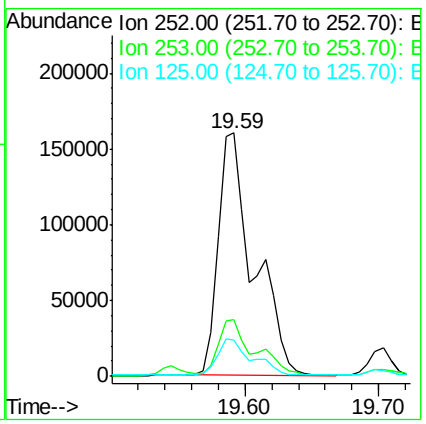


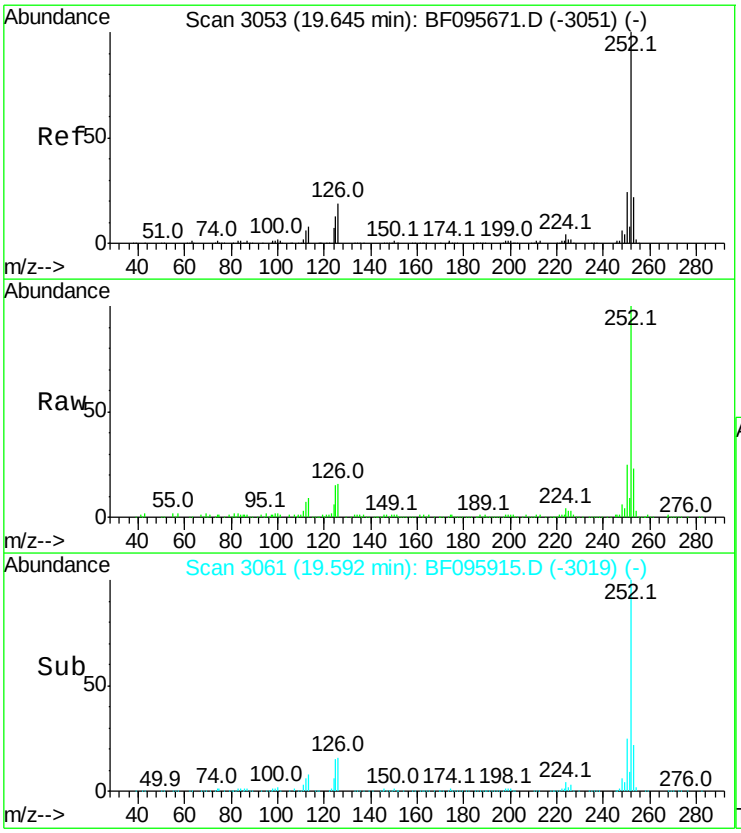
#87
Benzo(b)fluoranthene
Concen: 43.26 ng
RT: 19.59 min Scan# 3061
Delta R.T. -0.02 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 296951

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	15.1	9.8	14.8#

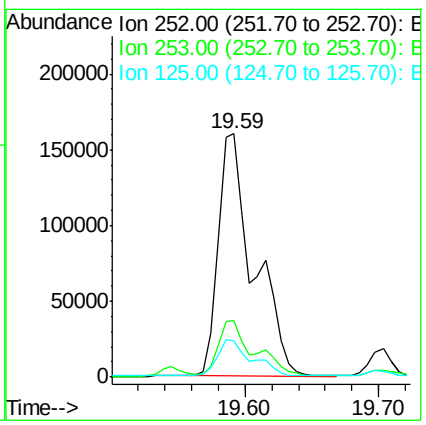


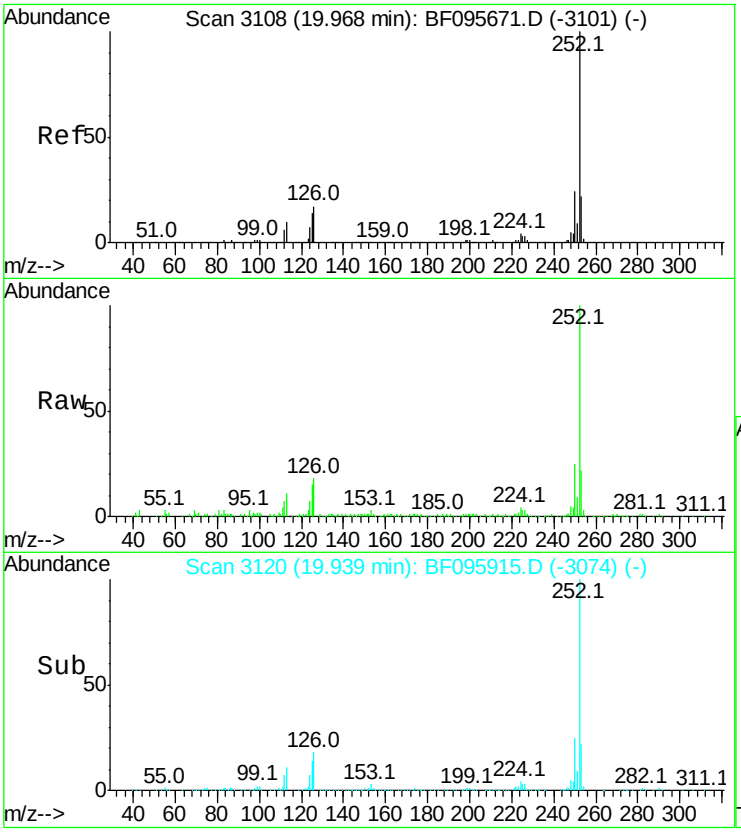


#88
Benzo(k)fluoranthene
Concen: 45.26 ng
RT: 19.59 min Scan# 3061
Delta R.T. -0.05 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Tgt Ion:252 Resp: 296951

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	15.1	13.1	19.7



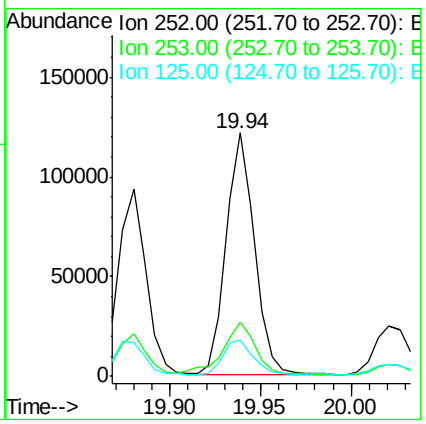


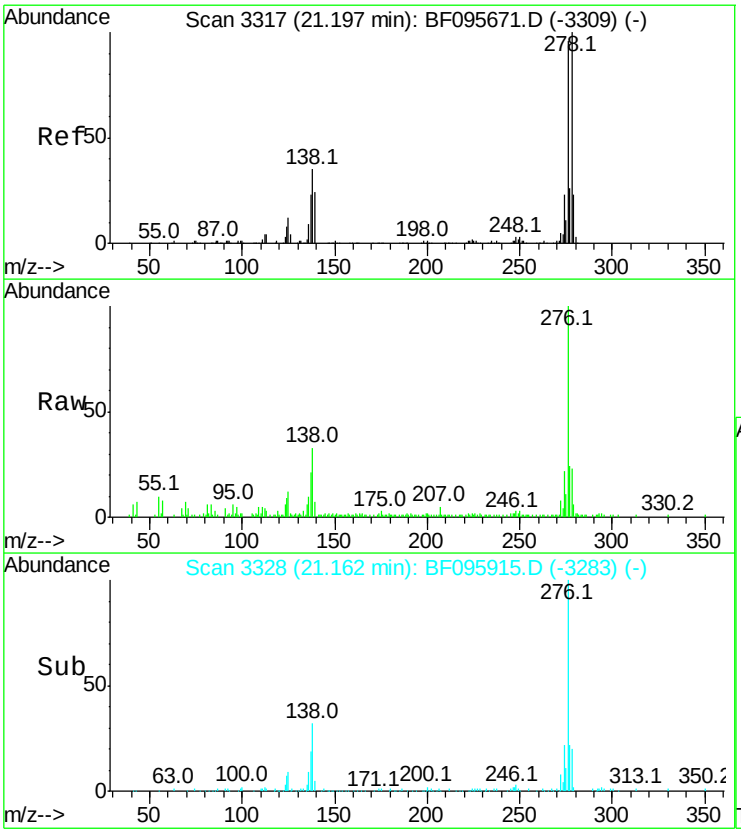
#89
Benzo(a)pyrene
Concen: 21.05 ng
RT: 19.94 min Scan# 3120
Delta R.T. -0.03 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 132802

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	15.1	11.0	16.4

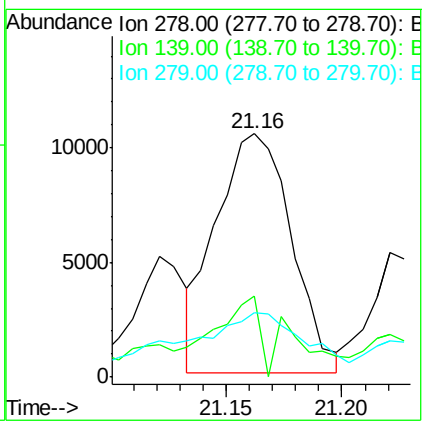


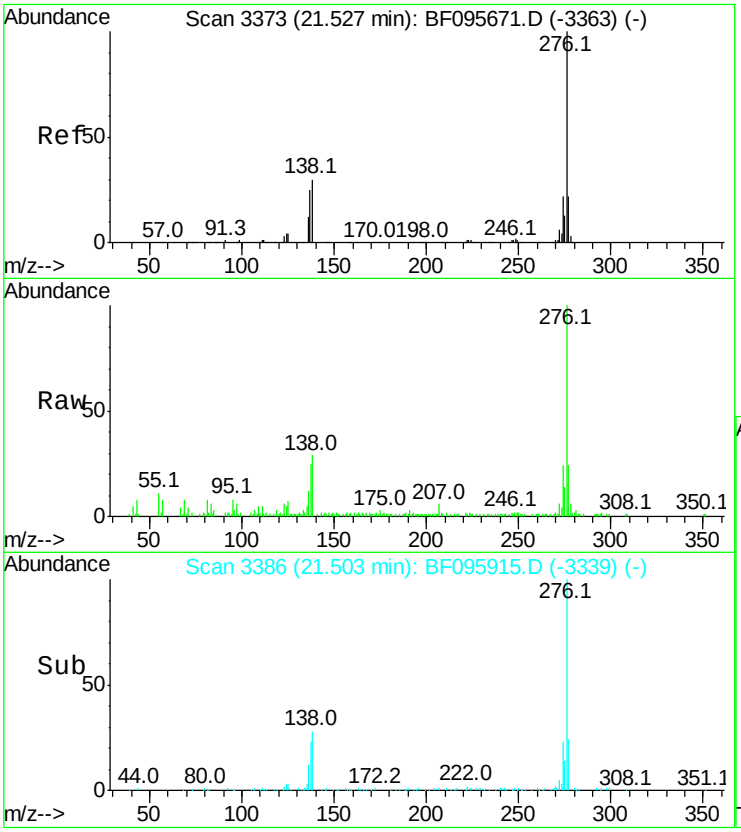


#90
Dibenzo(a,h)anthracene
Concen: 4.45 ng
RT: 21.16 min Scan# 3328
Delta R.T. -0.04 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Tgt Ion:278 Resp: 23801

Ion	Ratio	Lower	Upper
278	100		
139	33.3	16.6	24.8#
279	26.4	19.3	28.9





#91
Benzo(g,h,i)perylene
Concen: 14.20 ng
RT: 21.50 min Scan# 3386
Delta R.T. -0.02 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 77494

Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.6	28.0
138	29.3	25.4	38.0