Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060817\
Data File : BF095807.D
Acq On : 9 Jun 2017 3:59
Operator : SJ/MA
Sample : I3470-02 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Jun 09 04:30:58 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	7.37	152	73520	20.00	ng		-0.03
21) Naphthalene-d8	9.40	136	292419	20.00	ng		-0.04
38) Acenaphthene-d10	12.22	164	122085	20.00	ng		-0.04
63) Phenanthrene-d10	14.62	188	190897	20.00	ng		-0.03
75) Chrysene-d12	18.33	240	139166	20.00	ng		-0.02
86) Perylene-d12	20.00	264	109898	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.27	112	92524	20.05	ng		-0.01
7) Phenol-d6	6.94	99	118441	21.44	ng		-0.02
23) Nitrobenzene-d5	8.29	82	62486	13.27	ng		-0.04
41) 2,4,6-Tribromophenol	13.52	330	18753	17.36	ng		-0.03
44) 2-Fluorobiphenyl	11.17	172	132998	15.16	ng		-0.04
78) Terphenyl-d14	16.99	244	82591	14.73	ng		-0.03
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	8.29	70	7403	2.11	ng	#	80
48) Acenaphthylene	11.99	152	37978	2.82	ng		98
50) 2,6-Dinitrotoluene	12.22	165	16036	7.93	ng	#	31
55) 4-Nitrophenol	12.57	139	6362	8.99	ng	#	25
70) Phenanthrene	14.65	178	381310	34.62	ng		98
71) Anthracene	14.74	178	63569	5.53	ng		97
72) Carbazole	15.04	167	29016	2.59	ng	#	96
74) Fluoranthene	16.43	202	483947	44.39	ng		98
77) Pyrene	16.74	202	442569	42.62	ng		99
80) Benzo(a)anthracene	18.32	228	191016	23.61	ng		97
82) Chrysene	18.36	228	199322	24.65	ng		100
85) Indeno(1,2,3-cd)pyrene	21.17	276	68596	9.91	ng		93
87) Benzo(b)fluoranthene	19.60	252	241770	35.13	ng	#	97
88) Benzo(k)fluoranthene	19.60	252	241770	36.76	ng		99
89) Benzo(a)pyrene	19.94	252	119395	18.88	ng		97
90) Dibenzo(a,h)anthracene	21.17	278	18251	3.40	ng	#	79
91) Benzo(g,h,i)perylene	21.51	276	65716	12.01	ng		95

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

Quantitation Report (Not Reviewed)

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ALS Vial : 23 Sample Multiplier: 1

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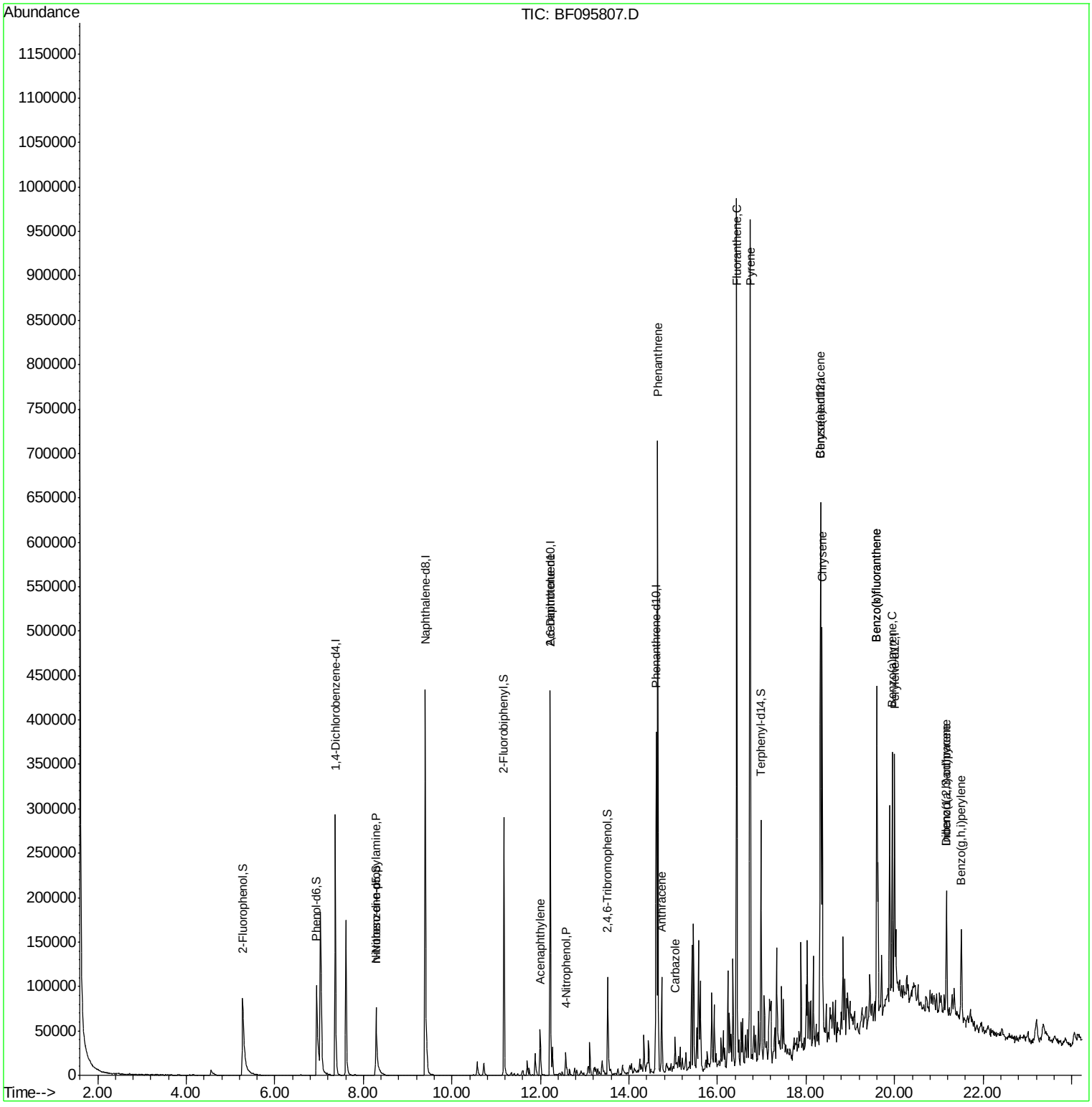
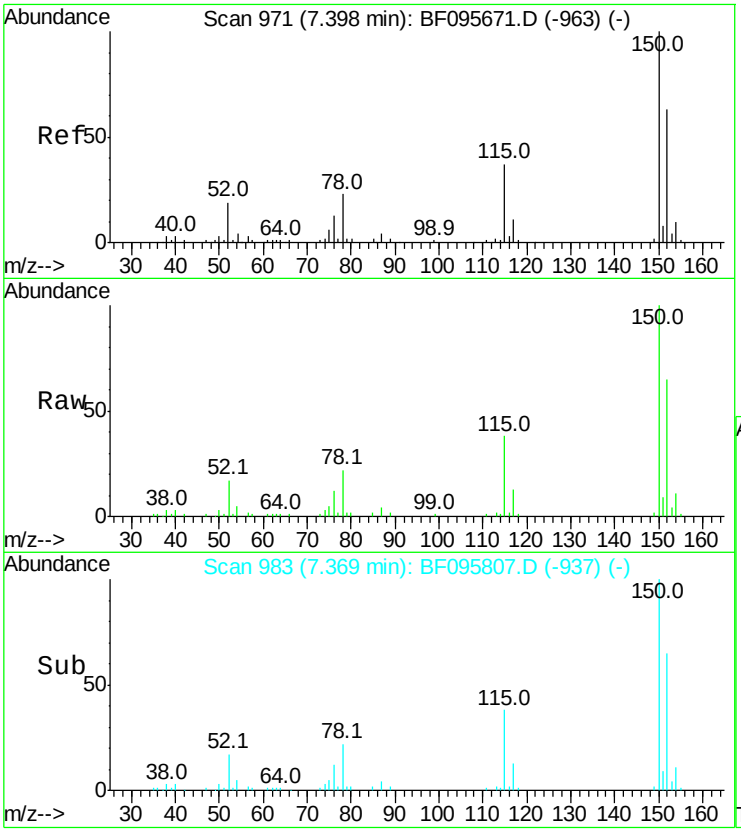
Quant Time: Jun 09 04:30:58 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 05 16:15:31 2017
Response via : Initial Calibration



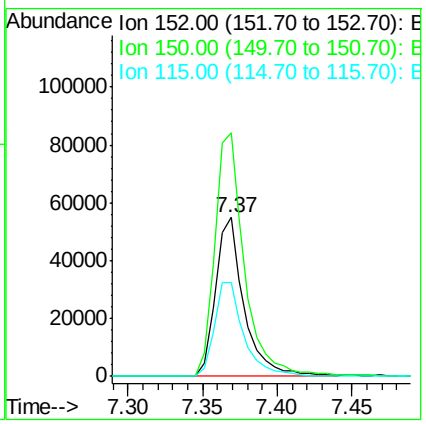


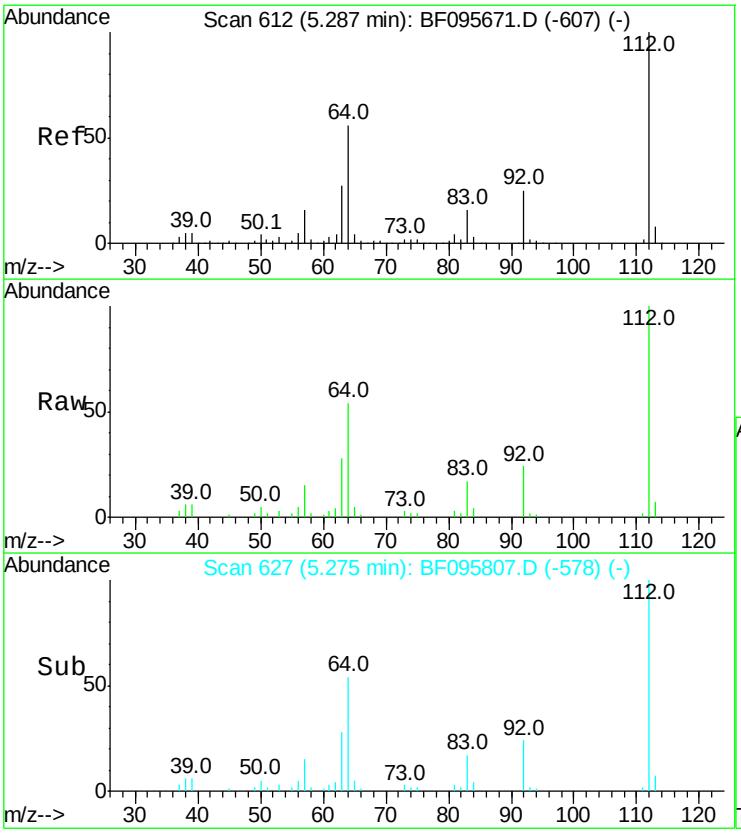
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 73520

Ion	Ratio	Lower	Upper
152	100		
150	153.3	126.2	189.2
115	58.7	52.2	78.2

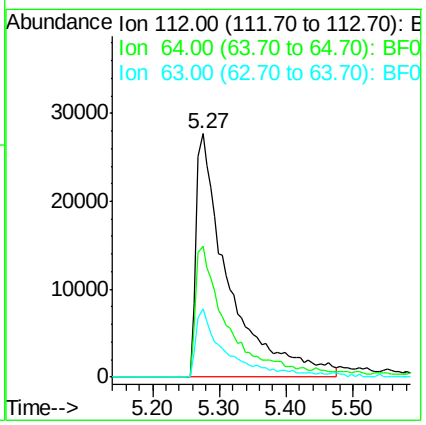


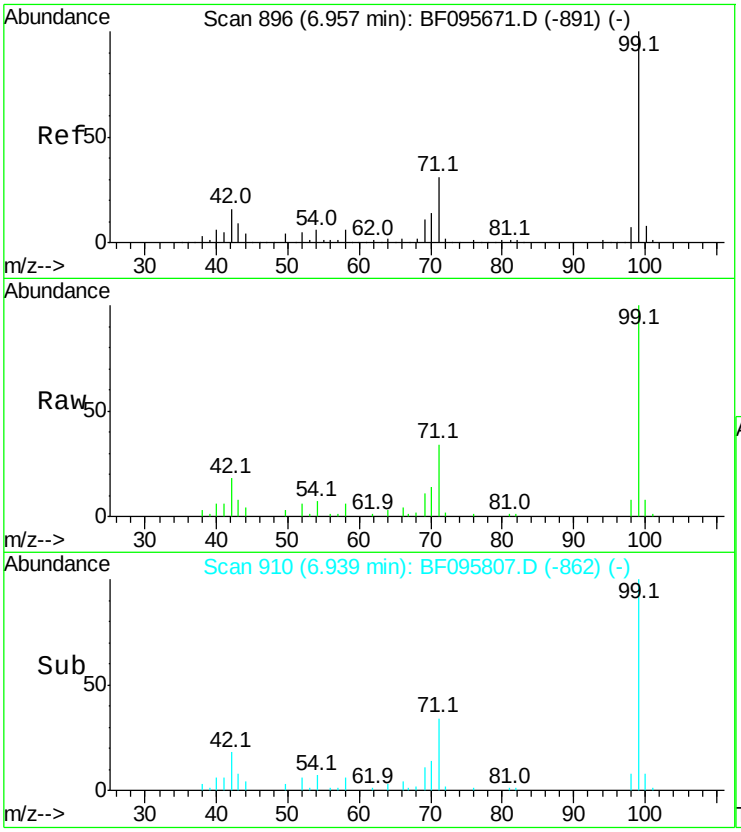


#5
2-Fluorophenol
Concen: 20.05 ng
RT: 5.27 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Tgt Ion:112 Resp: 92524

Ion	Ratio	Lower	Upper
112	100		
64	53.6	46.0	69.0
63	27.8	23.4	35.0



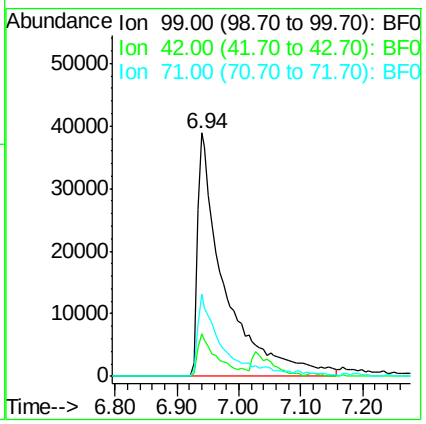


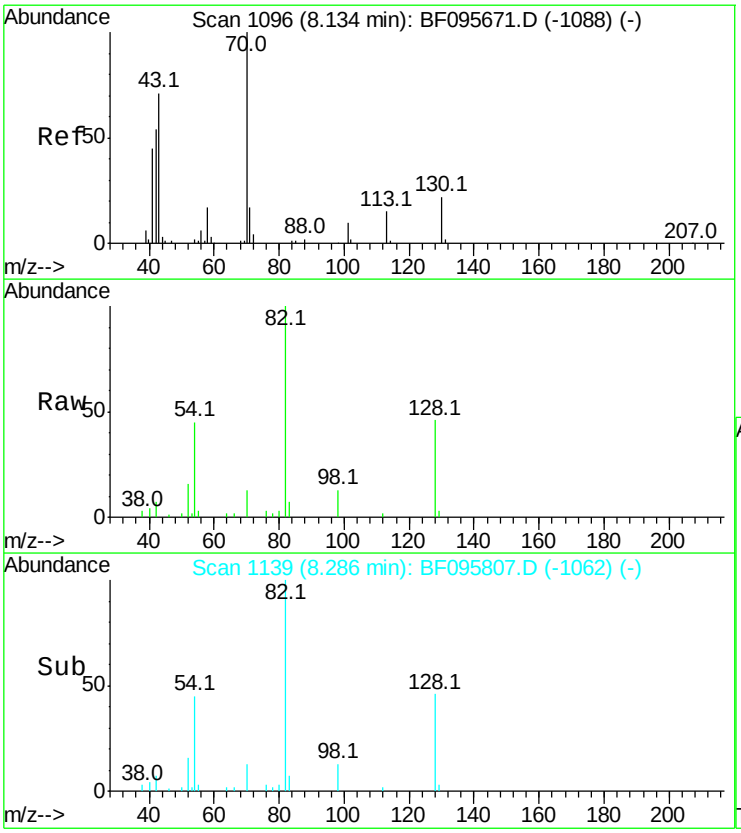
#7
Phenol-d6
Concen: 21.44 ng
RT: 6.94 min Scan# 910
Delta R.T. -0.02 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 118441

Ion	Ratio	Lower	Upper
99	100		
42	17.6	13.5	20.3
71	33.7	24.5	36.7

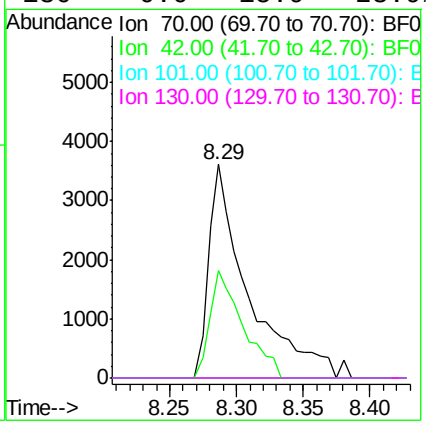


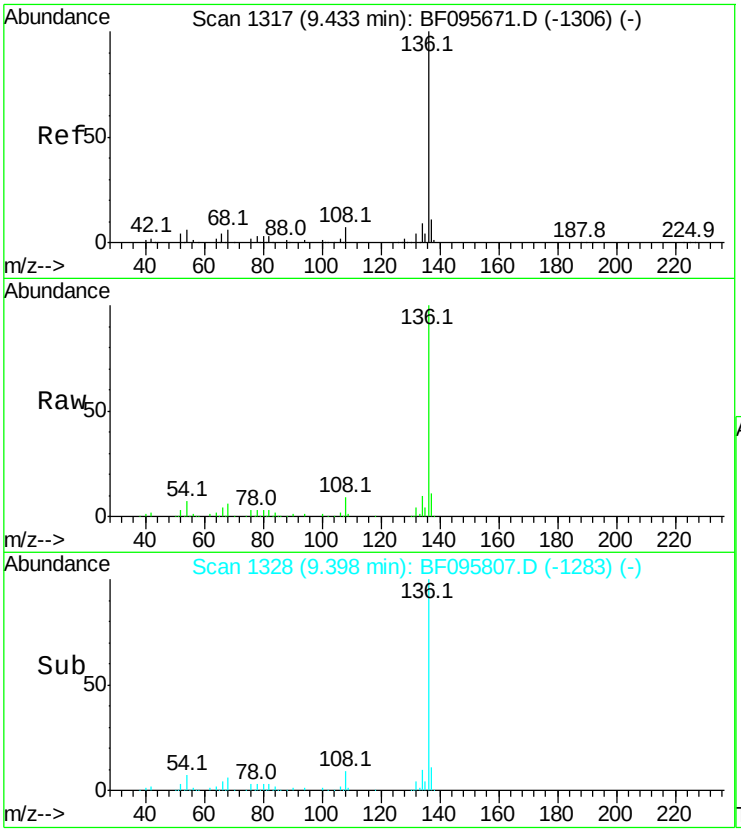


#19
n-Nitroso-di-n-propylamine
Concen: 2.11 ng
RT: 8.29 min Scan# 1139
Delta R.T. 0.15 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Tgt Ion: 70 Resp: 7403

Ion	Ratio	Lower	Upper
70	100		
42	50.5	47.2	70.8
101	0.0	7.2	10.8#
130	0.0	15.9	23.9#



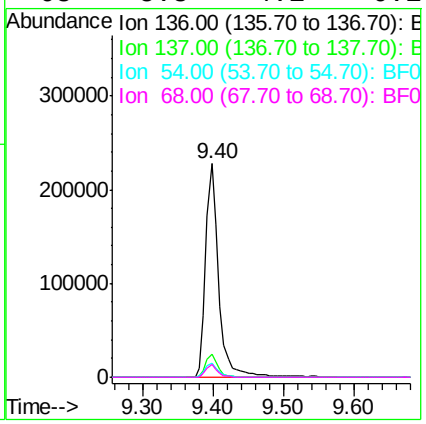


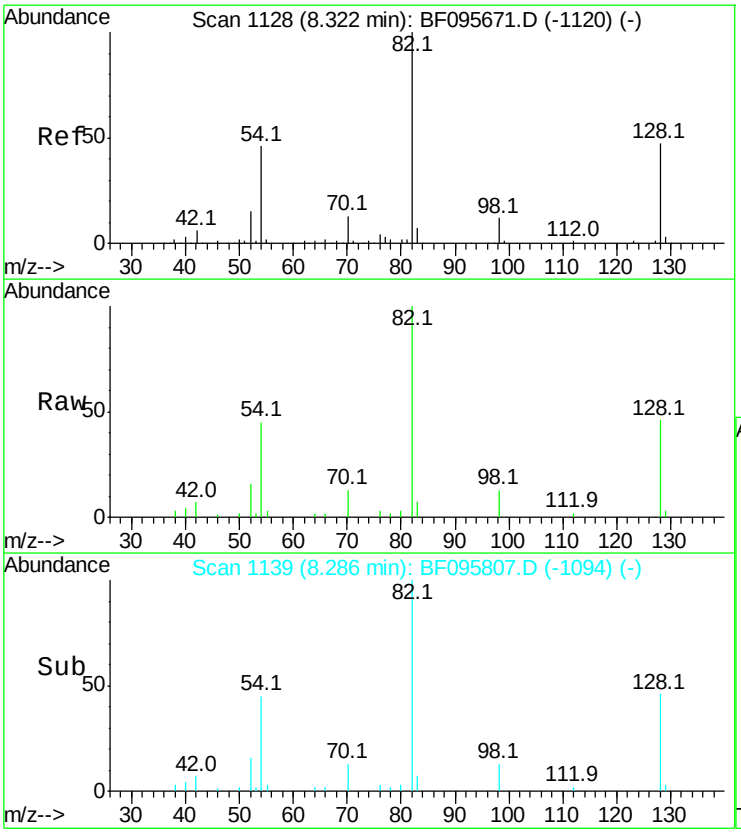
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.40 min Scan# 1328
Delta R.T. -0.04 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 292419

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	6.6	4.9	7.3
68	5.8	4.1	6.1

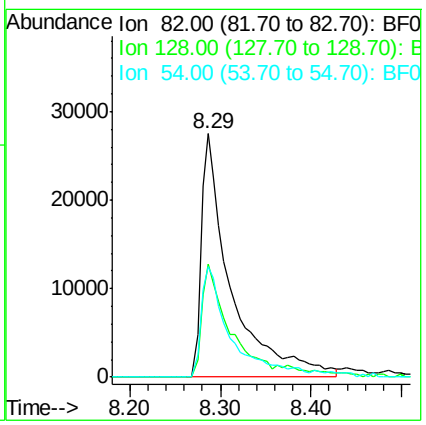


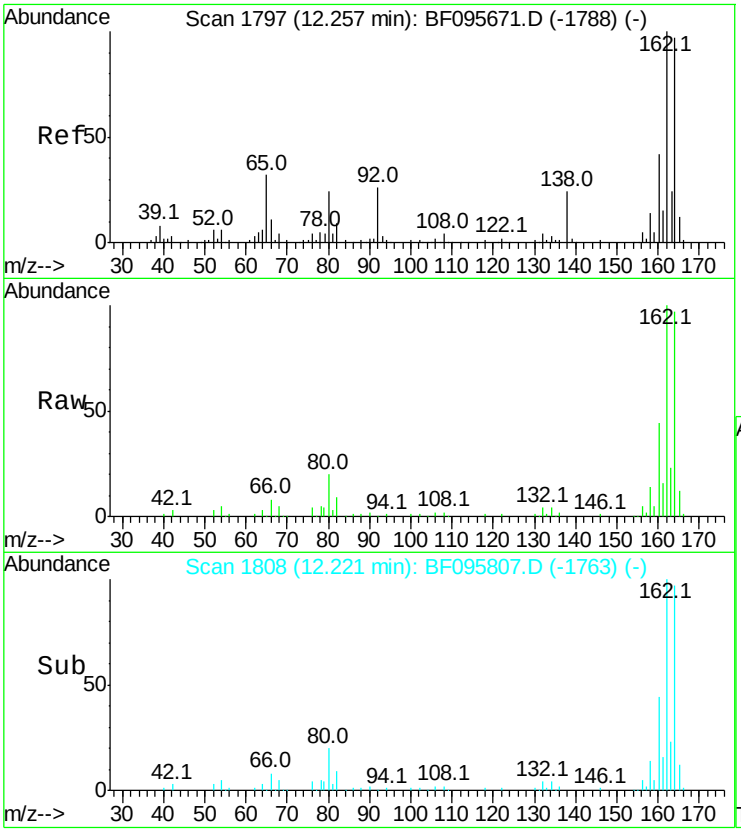


#23
Nitrobenzene-d5
Concen: 13.27 ng
RT: 8.29 min Scan# 1139
Delta R.T. -0.04 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Tgt Ion: 82 Resp: 62486

Ion	Ratio	Lower	Upper
82	100		
128	46.4	34.0	51.0
54	45.5	42.2	63.2



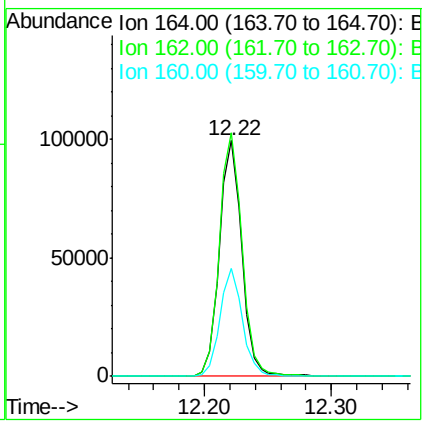


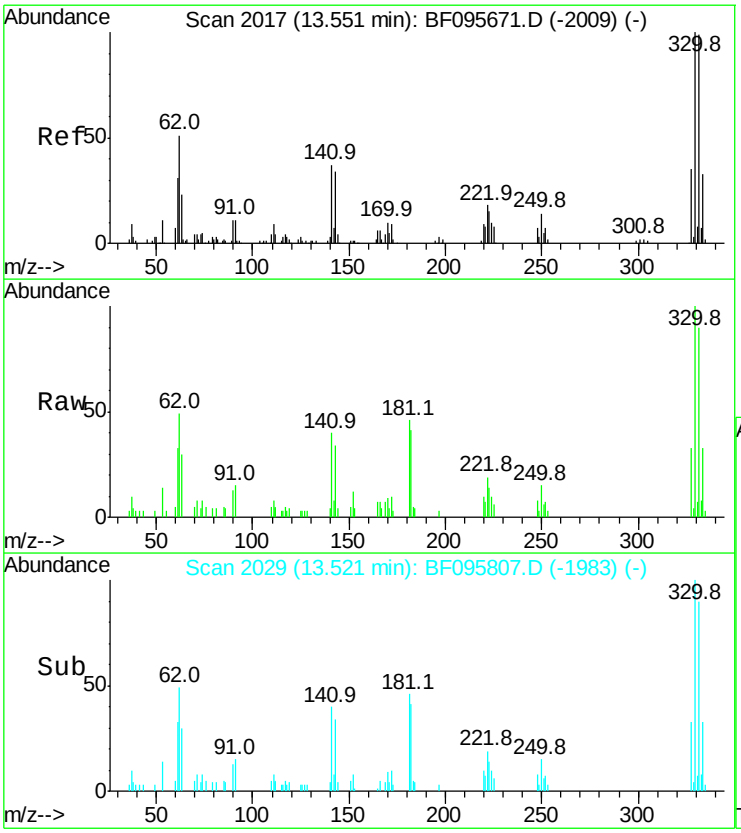
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.22 min Scan# 1808
Delta R.T. -0.04 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 122085

Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.6	123.8
160	45.9	36.2	54.2

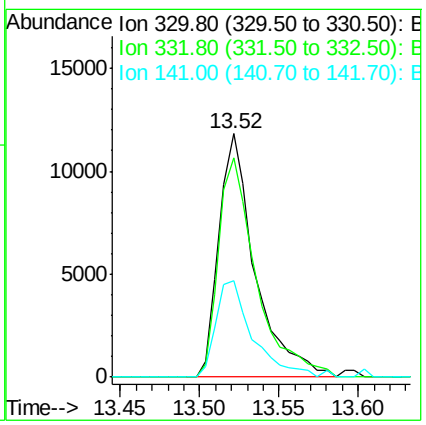


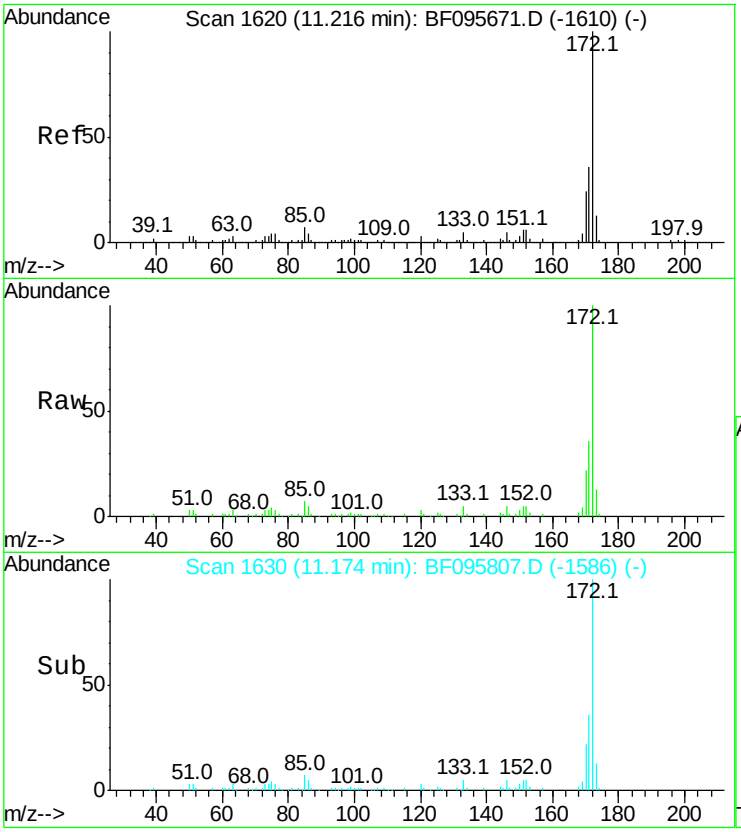


#41
2,4,6-Tribromophenol
Concen: 17.36 ng
RT: 13.52 min Scan# 2029
Delta R.T. -0.03 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Tgt Ion:330 Resp: 18753

Ion	Ratio	Lower	Upper
330	100		
332	93.6	76.6	115.0
141	40.3	31.4	47.2



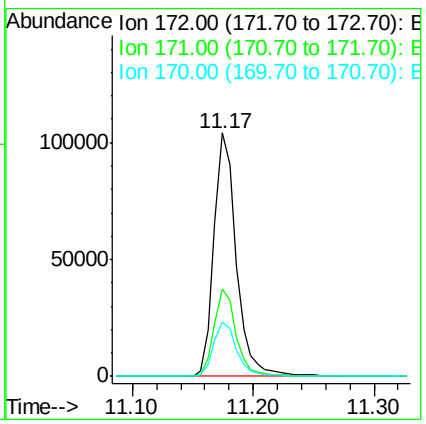


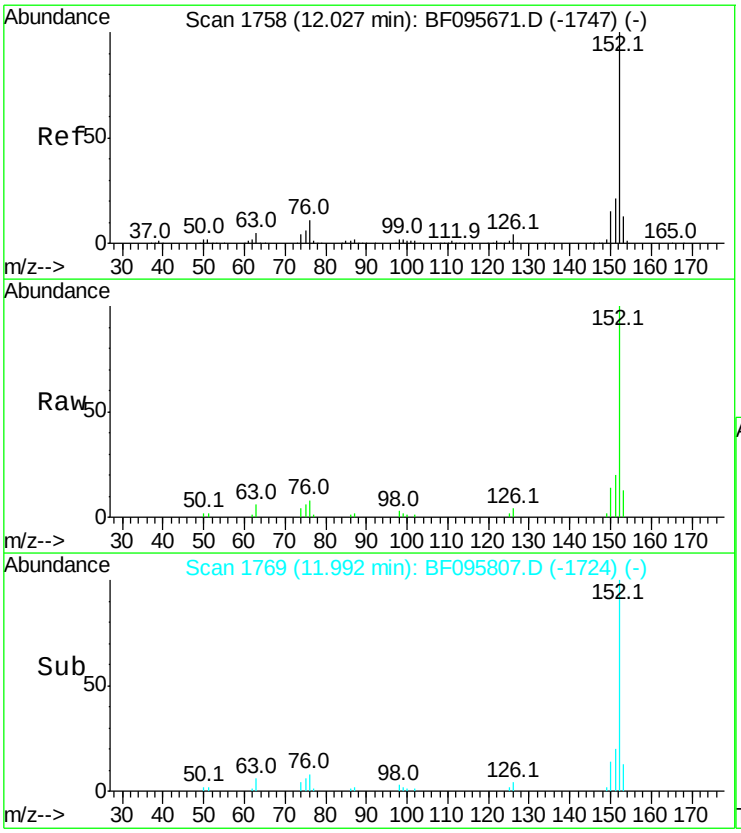
#44
2-Fluorobiphenyl
Concen: 15.16 ng
RT: 11.17 min Scan# 1630
Delta R.T. -0.04 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 132998

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	22.1	19.8	29.8

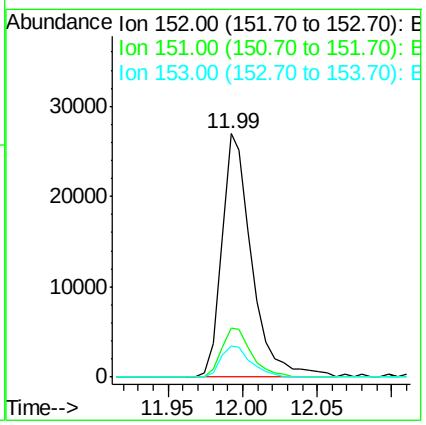


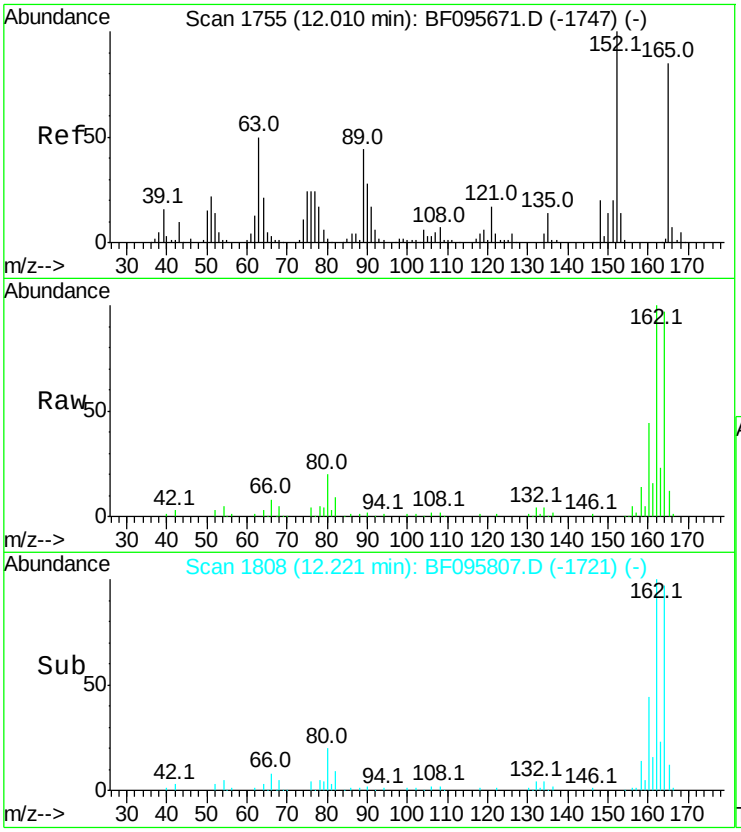


#48
Acenaphthylene
Concen: 2.82 ng
RT: 11.99 min Scan# 1769
Delta R.T. -0.04 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Tgt Ion:152 Resp: 37978

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.8	25.2
153	12.7	10.8	16.2



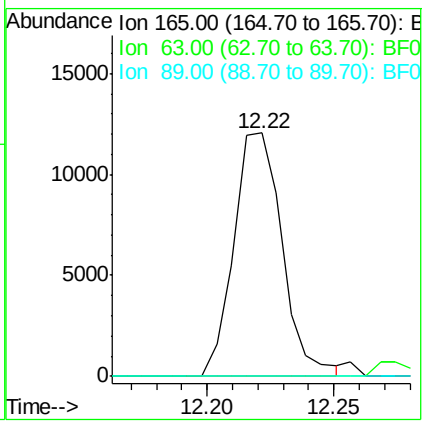


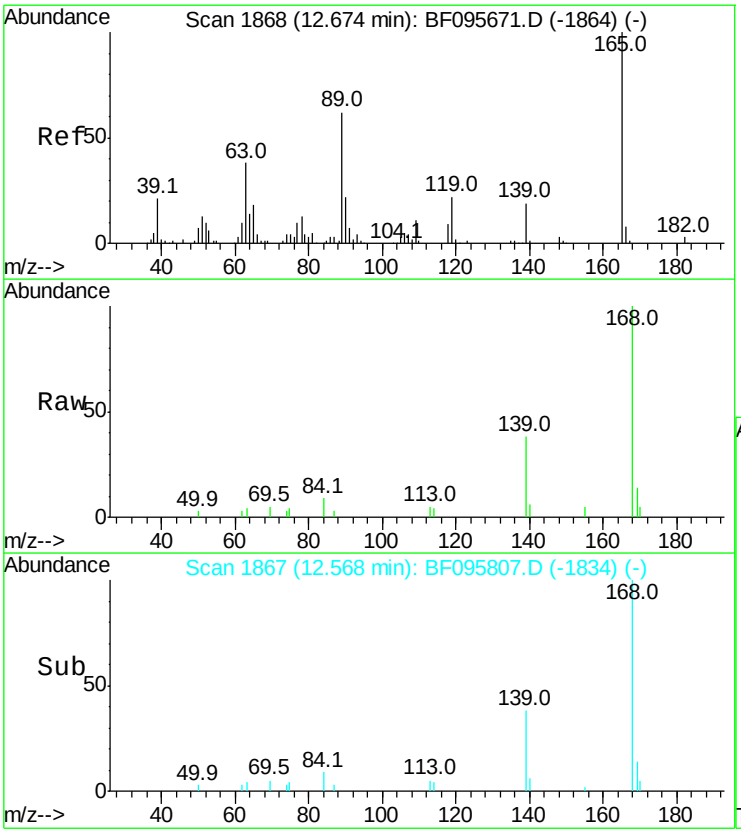
#50
2,6-Dinitrotoluene
Concen: 7.93 ng
RT: 12.22 min Scan# 1808
Delta R.T. 0.21 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 16036

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

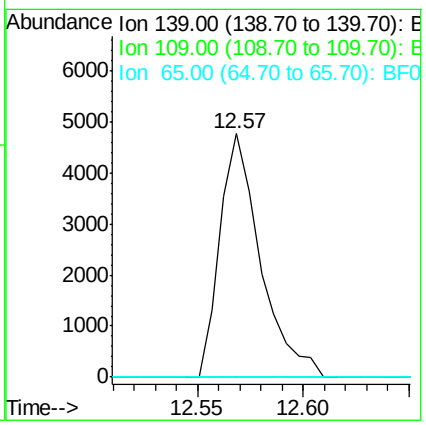


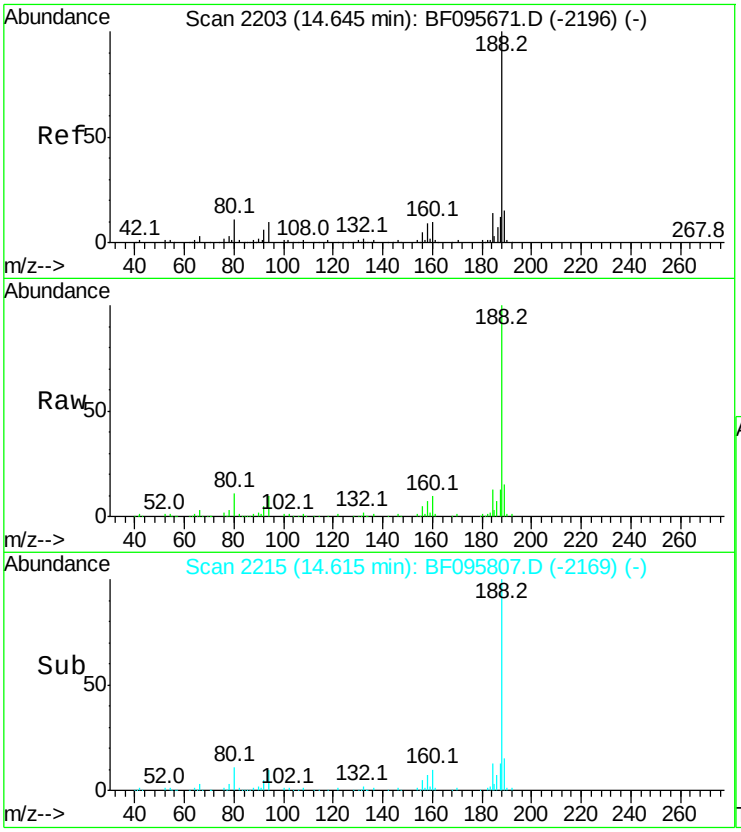


#55
4-Nitrophenol
Concen: 8.99 ng
RT: 12.57 min Scan# 1867
Delta R.T. -0.11 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Tgt Ion:139 Resp: 6362

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



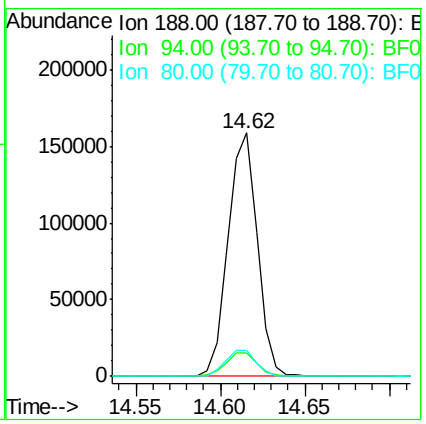


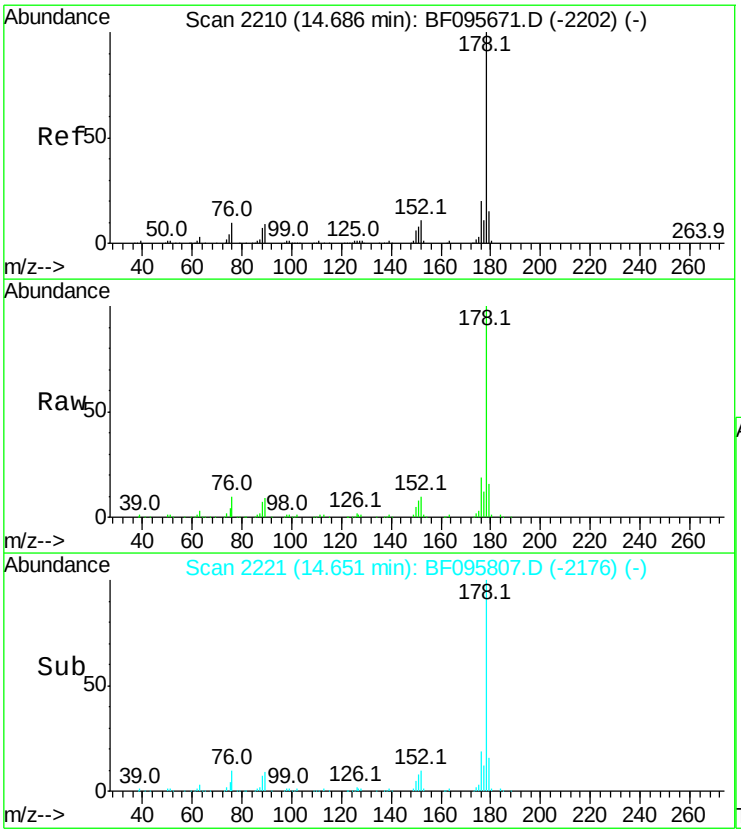
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.62 min Scan# 2215
Delta R.T. -0.03 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 190897

Ion	Ratio	Lower	Upper
188	100		
94	9.7	9.4	14.2
80	10.9	10.2	15.2

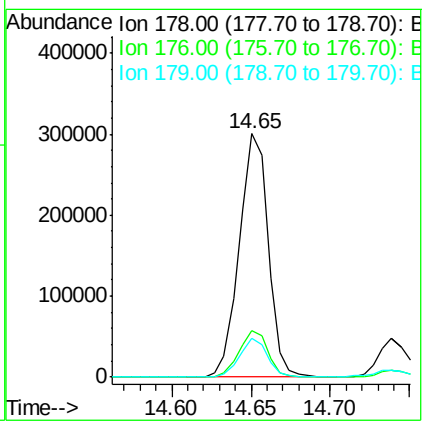


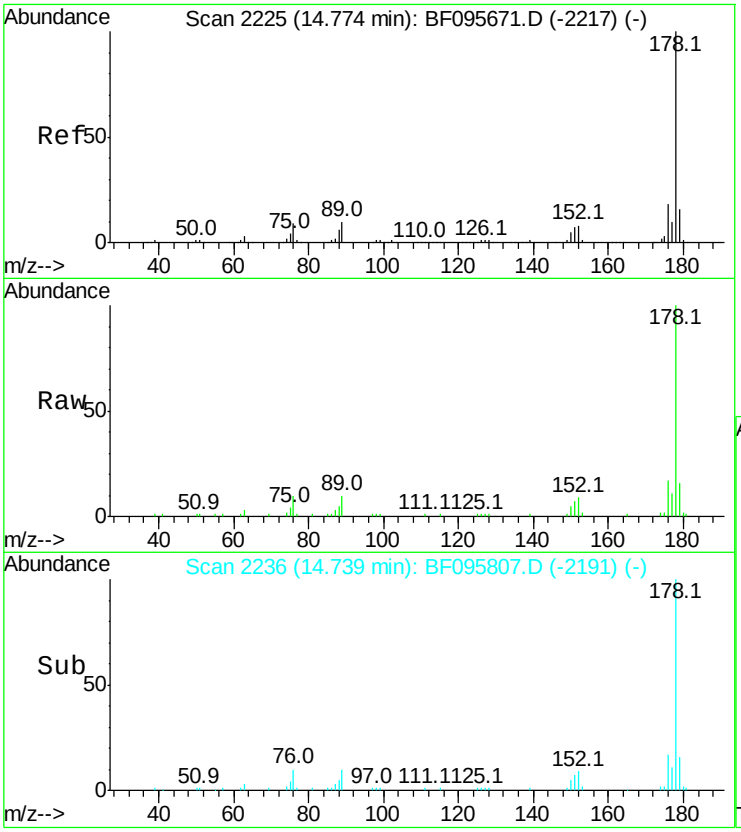


#70
Phenanthrene
Concen: 34.62 ng
RT: 14.65 min Scan# 2221
Delta R.T. -0.04 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Tgt Ion:178 Resp: 381310

Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.2	24.4
179	15.8	12.6	19.0



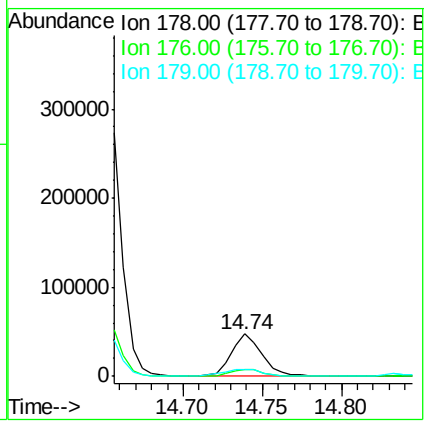


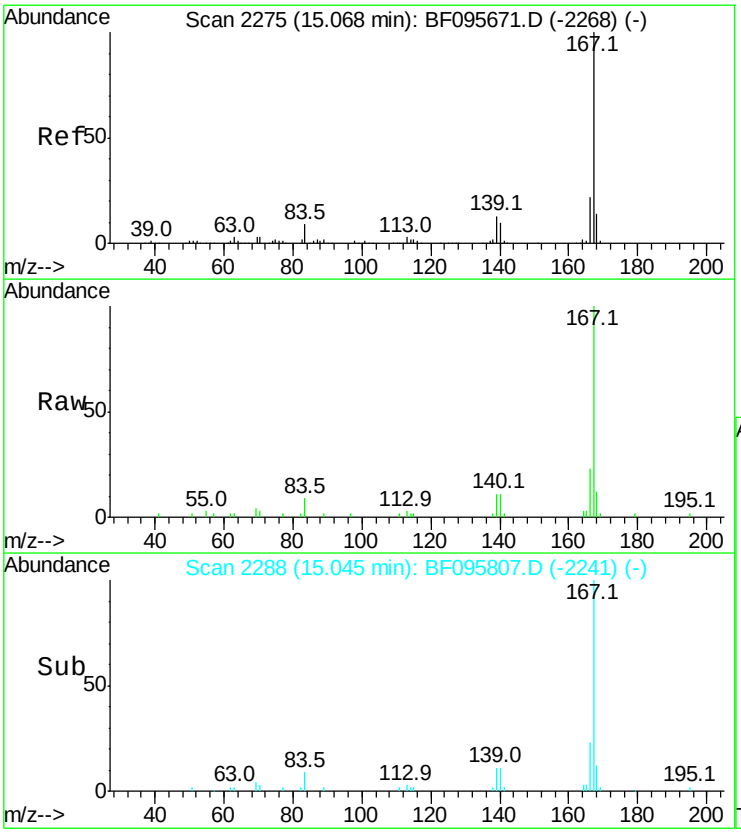
#71
Anthracene
Concen: 5.53 ng
RT: 14.74 min Scan# 2236
Delta R.T. -0.04 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 63569

Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.8	23.8
179	16.5	12.7	19.1

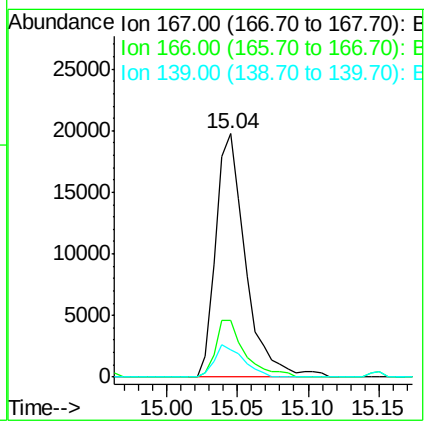


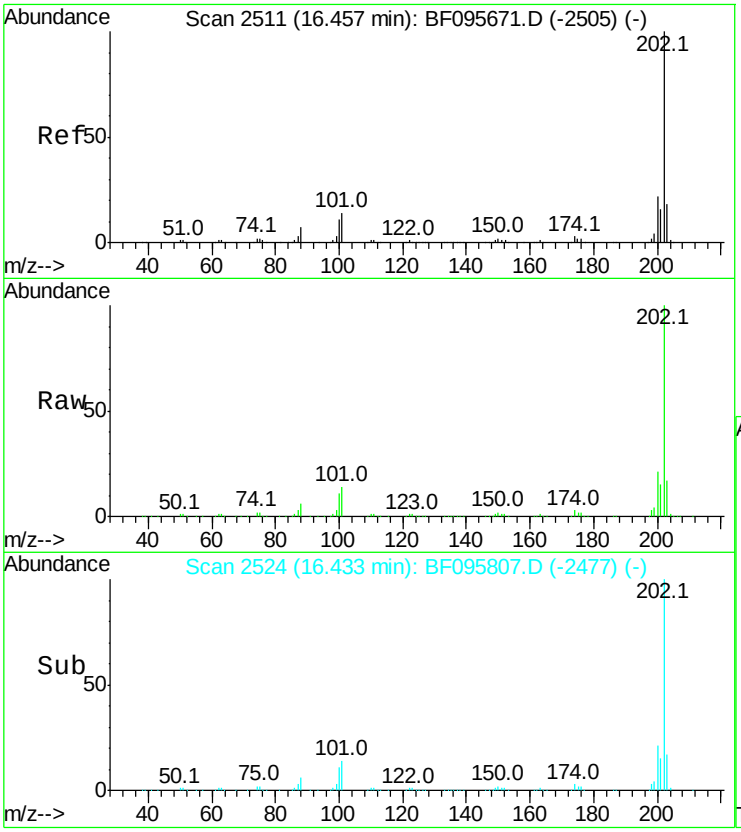


#72
Carbazole
Concen: 2.59 ng
RT: 15.04 min Scan# 2288
Delta R.T. -0.02 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Tgt Ion:167 Resp: 29016

Ion	Ratio	Lower	Upper
167	100		
166	23.5	18.1	27.1
139	11.5	11.7	17.5#



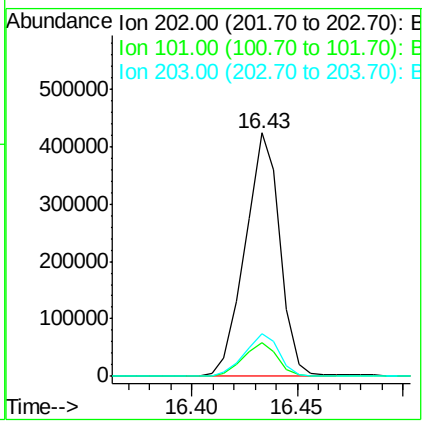


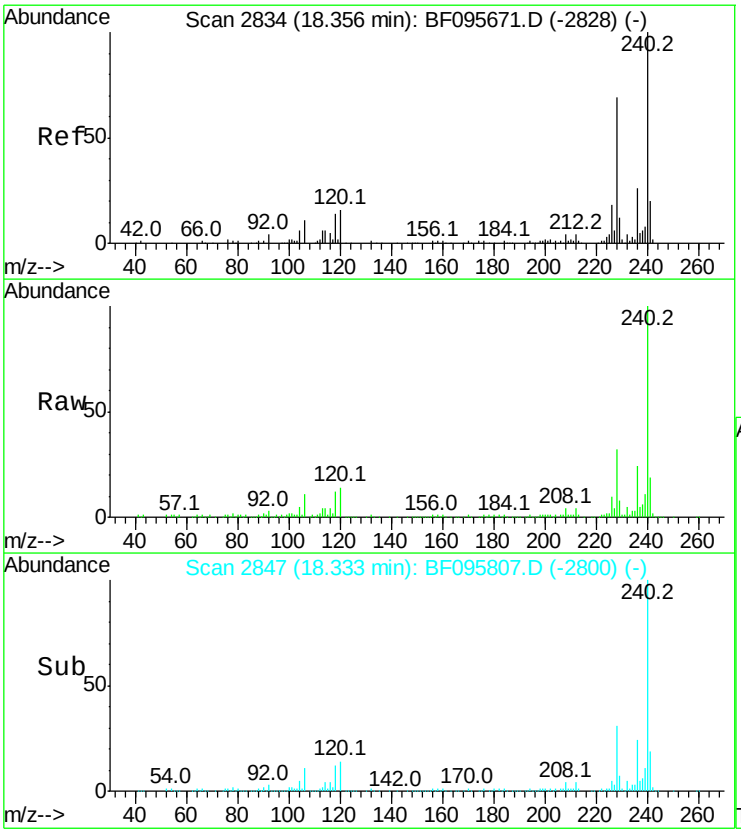
#74
Fluoranthene
Concen: 44.39 ng
RT: 16.43 min Scan# 2524
Delta R.T. -0.02 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 483947

Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	33.2
203	17.3	0.0	38.1

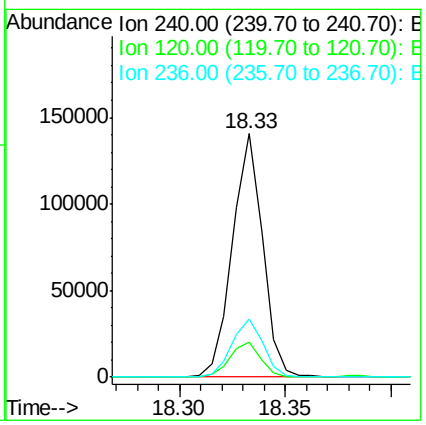


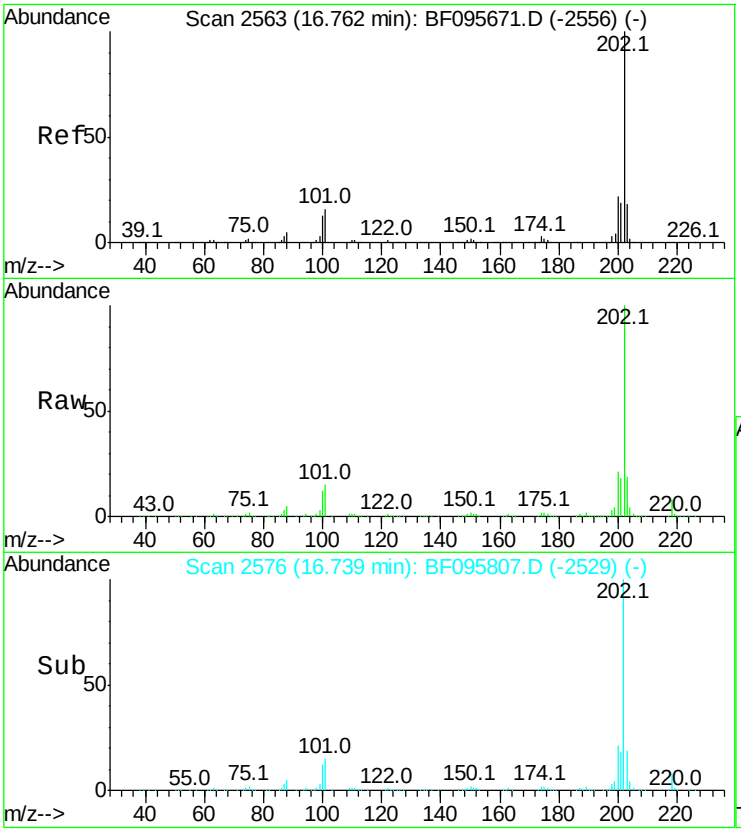


#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.33 min Scan# 2847
Delta R.T. -0.02 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Tgt Ion:240 Resp: 139166

Ion	Ratio	Lower	Upper
240	100		
120	14.3	5.8	8.8#
236	23.8	20.5	30.7



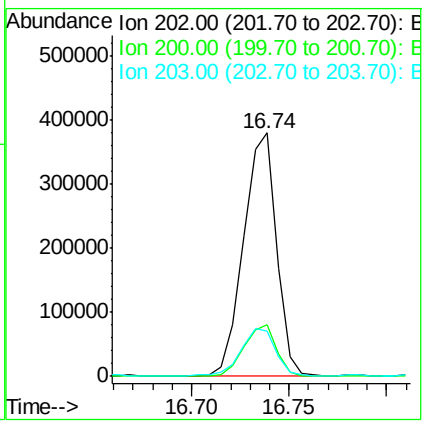


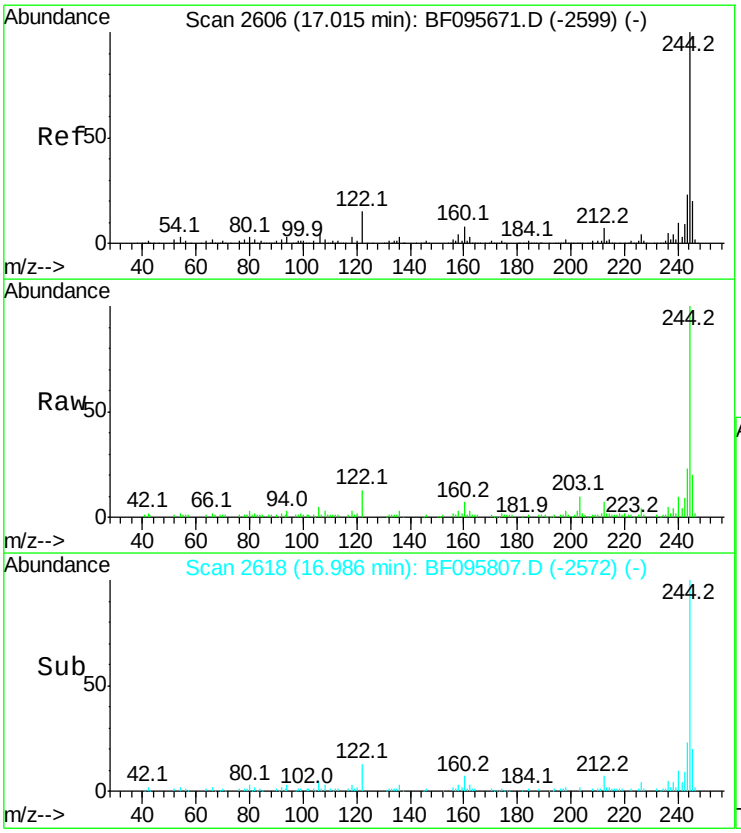
#77
Pyrene
Concen: 42.62 ng
RT: 16.74 min Scan# 2576
Delta R.T. -0.02 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 442569

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.6	26.4
203	18.6	14.4	21.6

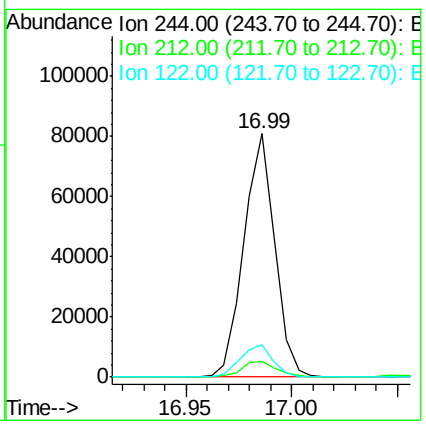


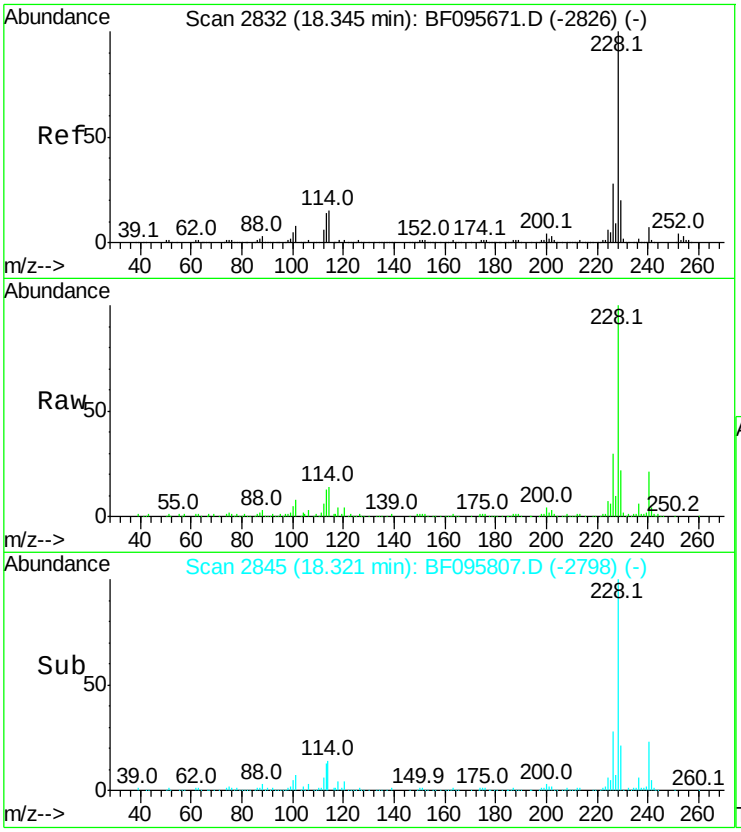


#78
Terphenyl-d14
Concen: 14.73 ng
RT: 16.99 min Scan# 2618
Delta R.T. -0.03 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Tgt Ion:244 Resp: 82591

Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	13.2	10.3	15.5



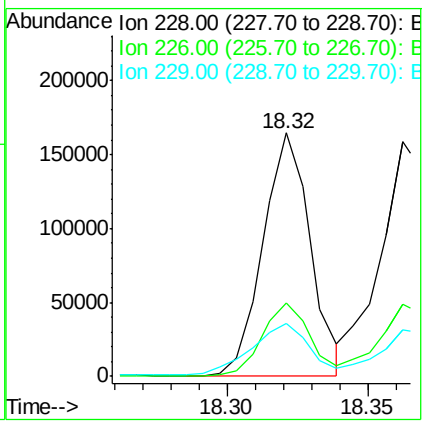


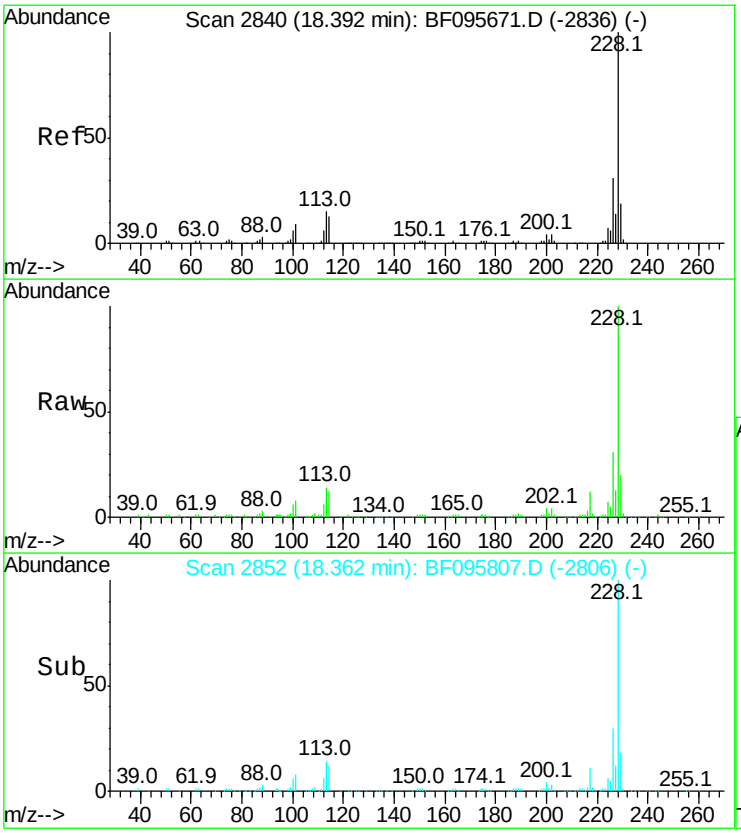
#80
Benzo(a)anthracene
Concen: 23.61 ng
RT: 18.32 min Scan# 2845
Delta R.T. -0.02 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 191016

Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.6	33.8
229	21.5	16.3	24.5

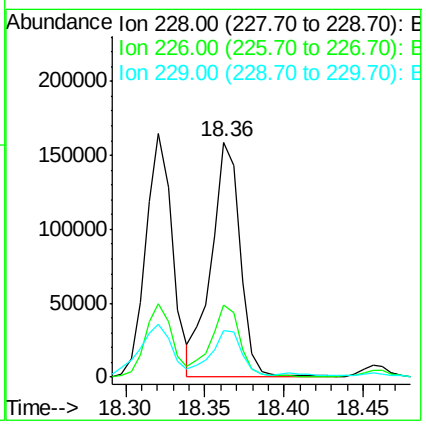


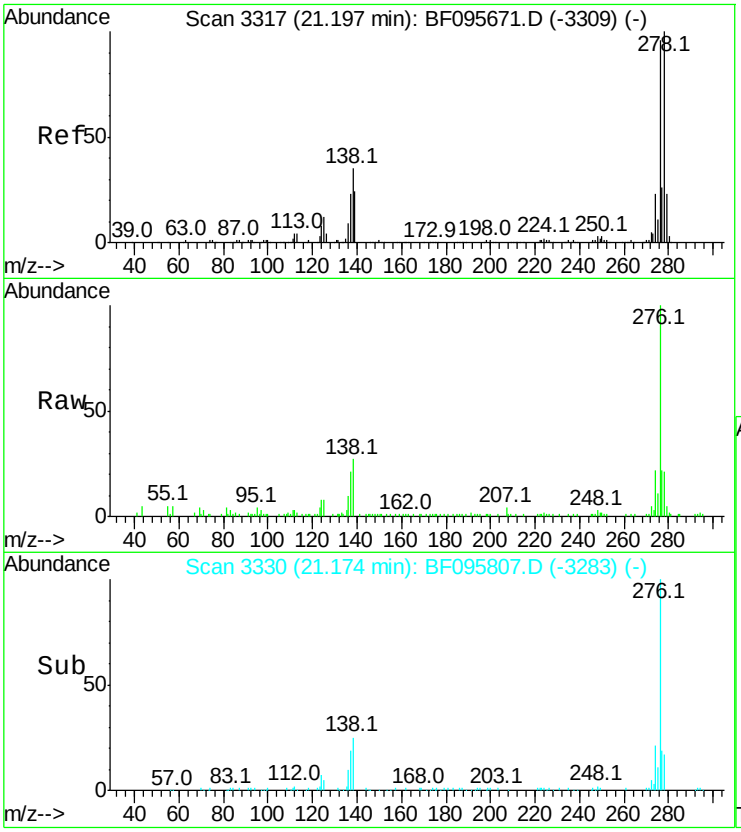


#82
Chrysene
Concen: 24.65 ng
RT: 18.36 min Scan# 2852
Delta R.T. -0.03 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Tgt Ion:228 Resp: 199322

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.9	37.3
229	19.6	15.8	23.6



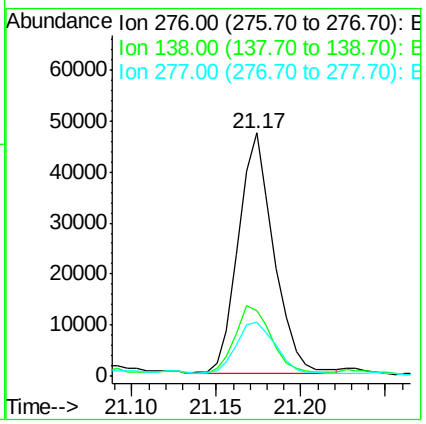


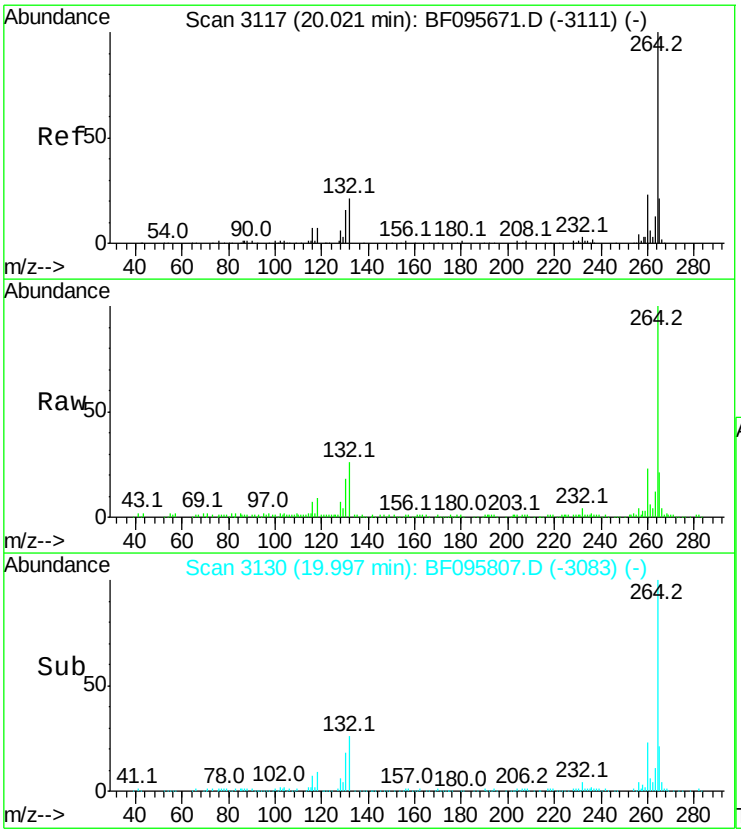
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.91 ng
RT: 21.17 min Scan# 3330
Delta R.T. -0.02 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 68596

Ion	Ratio	Lower	Upper
276	100		
138	29.0	27.8	41.6
277	24.2	20.2	30.4

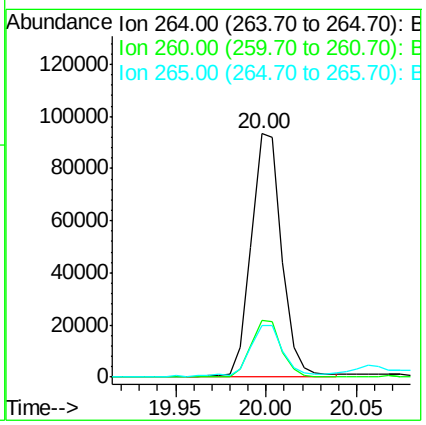


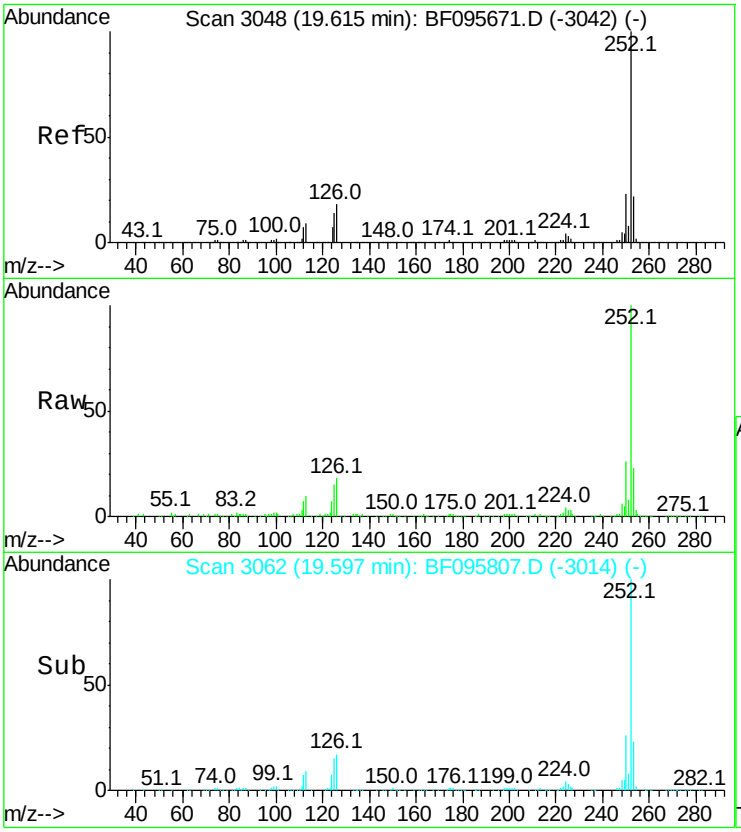


#86
Perylene-d12
Concen: 20.00 ng
RT: 20.00 min Scan# 3130
Delta R.T. -0.02 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Tgt Ion:264 Resp: 109898

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	21.2	17.2	25.8



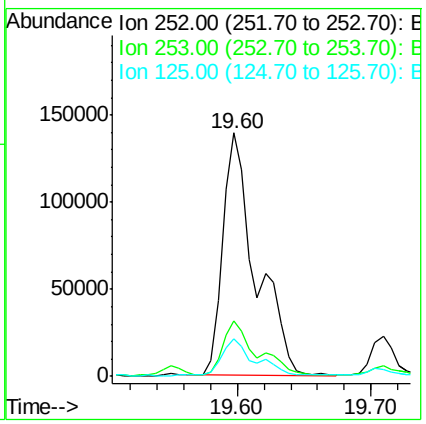


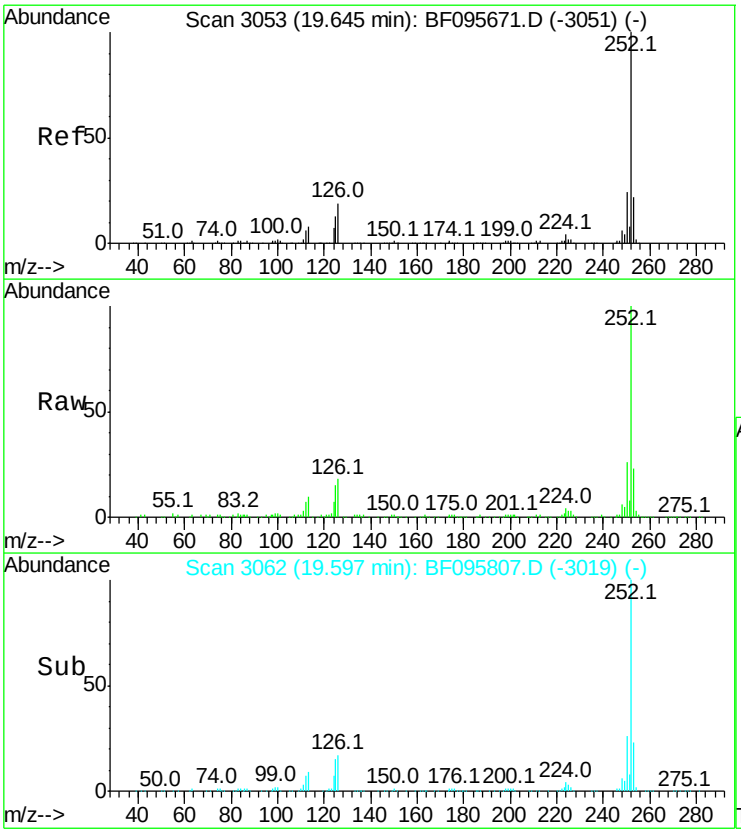
#87
Benzo(b)fluoranthene
Concen: 35.13 ng
RT: 19.60 min Scan# 3062
Delta R.T. -0.02 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 241770

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	15.5	9.8	14.8#

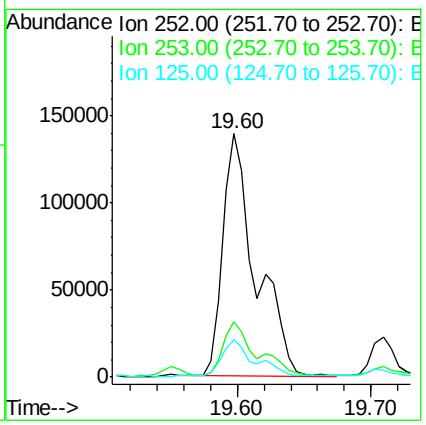


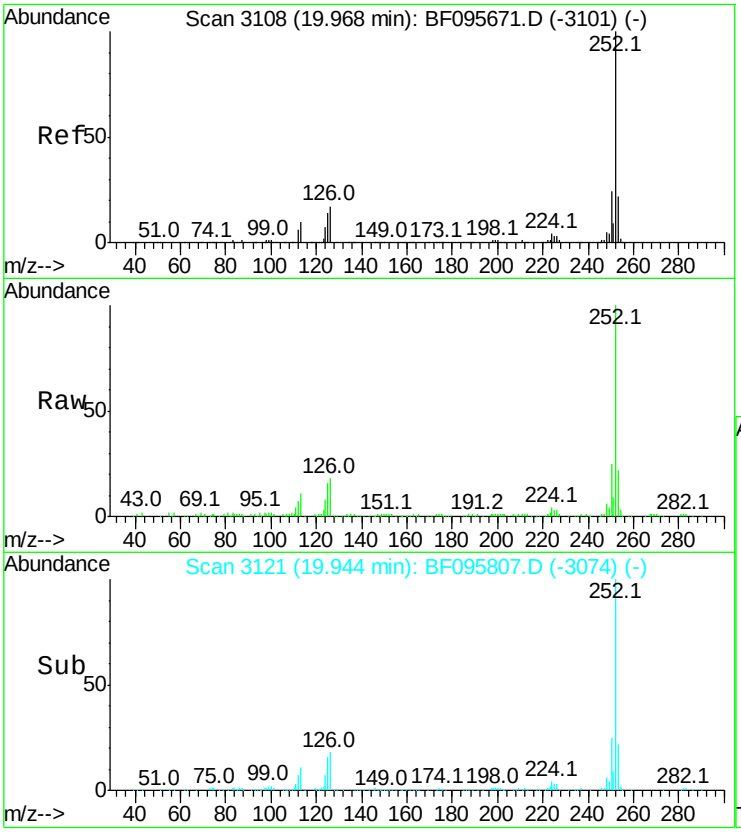


#88
Benzo(k)fluoranthene
Concen: 36.76 ng
RT: 19.60 min Scan# 3062
Delta R.T. -0.05 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Tgt Ion:252 Resp: 241770

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	15.5	13.1	19.7



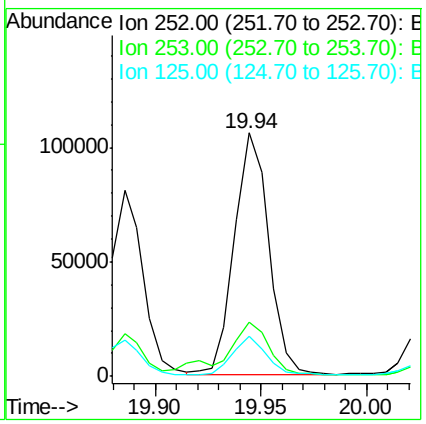


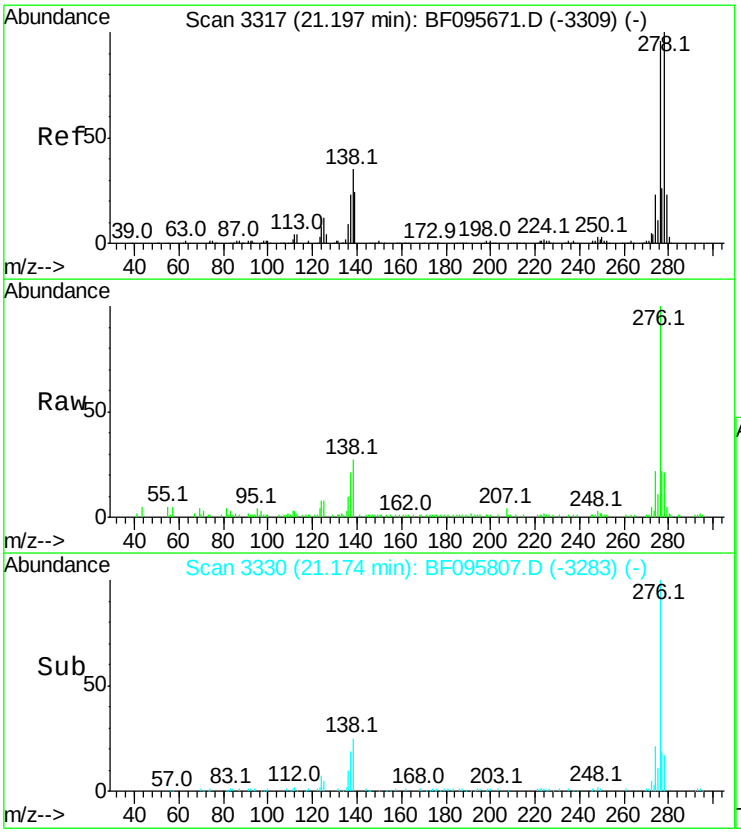
#89
Benzo(a)pyrene
Concen: 18.88 ng
RT: 19.94 min Scan# 3121
Delta R.T. -0.02 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 119395

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	16.2	11.0	16.4

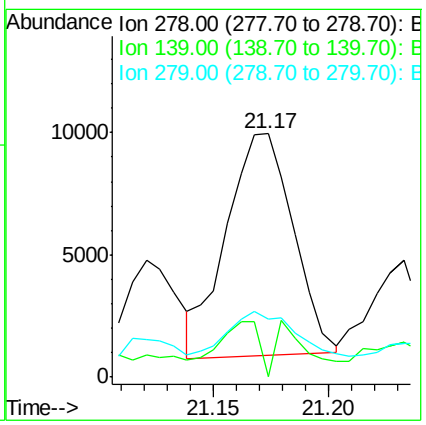


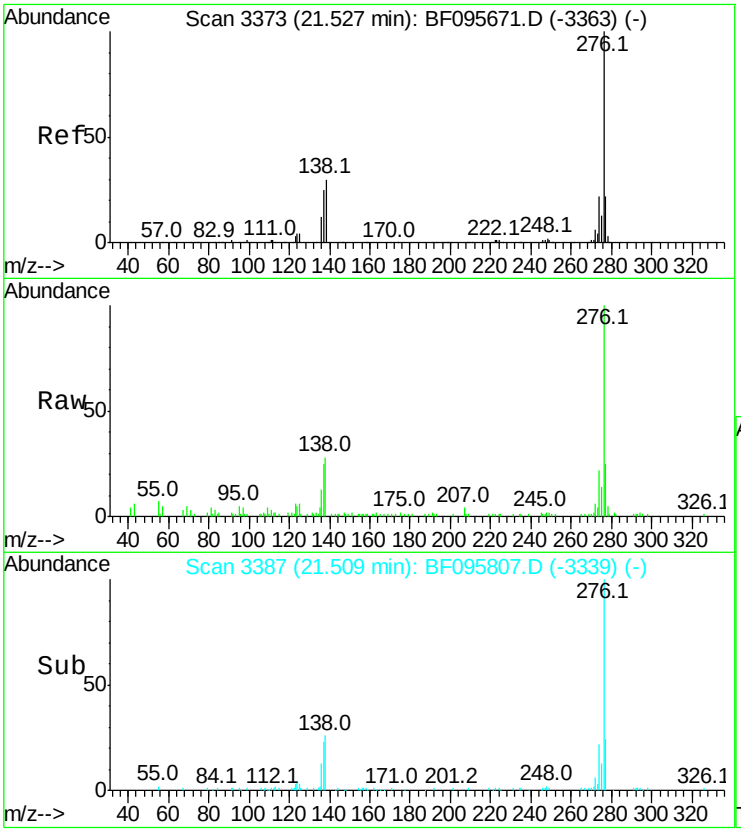


#90
Dibenzo(a,h)anthracene
Concen: 3.40 ng
RT: 21.17 min Scan# 3330
Delta R.T. -0.02 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Tgt Ion:278 Resp: 18251

Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	23.9	19.3	28.9





#91
Benzo(g,h,i)perylene
Concen: 12.01 ng
RT: 21.51 min Scan# 3387
Delta R.T. -0.02 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 65716

Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	27.9	25.4	38.0