Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
Data File : BF096007.D
Acq On : 19 Jun 2017 15:40
Operator : SJ/MA
Sample : I3683-02 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Jun 19 16:40:32 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 16 17:12:03 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.30	152	86020	20.00	ng		-0.02
21) Naphthalene-d8	9.33	136	345411	20.00	ng		-0.02
38) Acenaphthene-d10	12.15	164	149426	20.00	ng		-0.03
63) Phenanthrene-d10	14.54	188	238735	20.00	ng		-0.02
75) Chrysene-d12	18.27	240	146762	20.00	ng		-0.02
86) Perylene-d12	19.94	264	149258	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.46	112	1315	0.24	ng		0.24
7) Phenol-d6	7.08	99	2887	0.45	ng		0.17
23) Nitrobenzene-d5	8.35	82	2819	0.51	ng		0.10
41) 2,4,6-Tribromophenol	13.49	330	1283	0.97	ng		0.01
44) 2-Fluorobiphenyl	11.12	172	14547	1.35	ng		-0.02
78) Terphenyl-d14	16.93	244	9882	1.67	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	1.56	88	84824	33.03	ng	#	23
31) Naphthalene	9.37	128	314243	18.13	ng		99
32) Benzoic acid	9.37	122	777	5.35	ng	#	1
33) 4-Chloroaniline	9.37	127	38875	5.74	ng	#	30
37) 2-Methylnaphthalene	10.50	142	71598	6.11	ng		95
50) 2,6-Dinitrotoluene	12.15	165	18352	7.42	ng	#	31
51) Acenaphthene	12.20	154	72976	7.68	ng		99
54) Dibenzofuran	12.50	168	139274	10.41	ng		96
55) 4-Nitrophenol	12.50	139	49465	32.31	ng	#	26
57) Fluorene	13.04	166	156848	13.48	ng		98
70) Phenanthrene	14.59	178	894361	64.93	ng		98
71) Anthracene	14.67	178	276278	19.21	ng		95
72) Carbazole	14.98	167	115515	8.24	ng		95
74) Fluoranthene	16.37	202	620875	45.54	ng		99
77) Pyrene	16.67	202	456918	41.73	ng	#	94
80) Benzo(a)anthracene	18.26	228	195492	22.91	ng		95
82) Chrysene	18.31	228	154830	18.16	ng		98
85) Indeno(1,2,3-cd)pyrene	21.11	276	80397	11.02	ng		94
87) Benzo(b)fluoranthene	19.54	252	194400	20.80	ng	#	97
88) Benzo(k)fluoranthene	19.54	252	194400	21.76	ng		98
89) Benzo(a)pyrene	19.89	252	145475	16.94	ng		97
90) Dibenzo(a,h)anthracene	21.11	278	23822	3.27	ng	#	92
91) Benzo(g,h,i)perylene	21.44	276	65568	8.83	ng		95

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

Quantitation Report (Not Reviewed)

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Acq On : 19 Jun 2017 15:40
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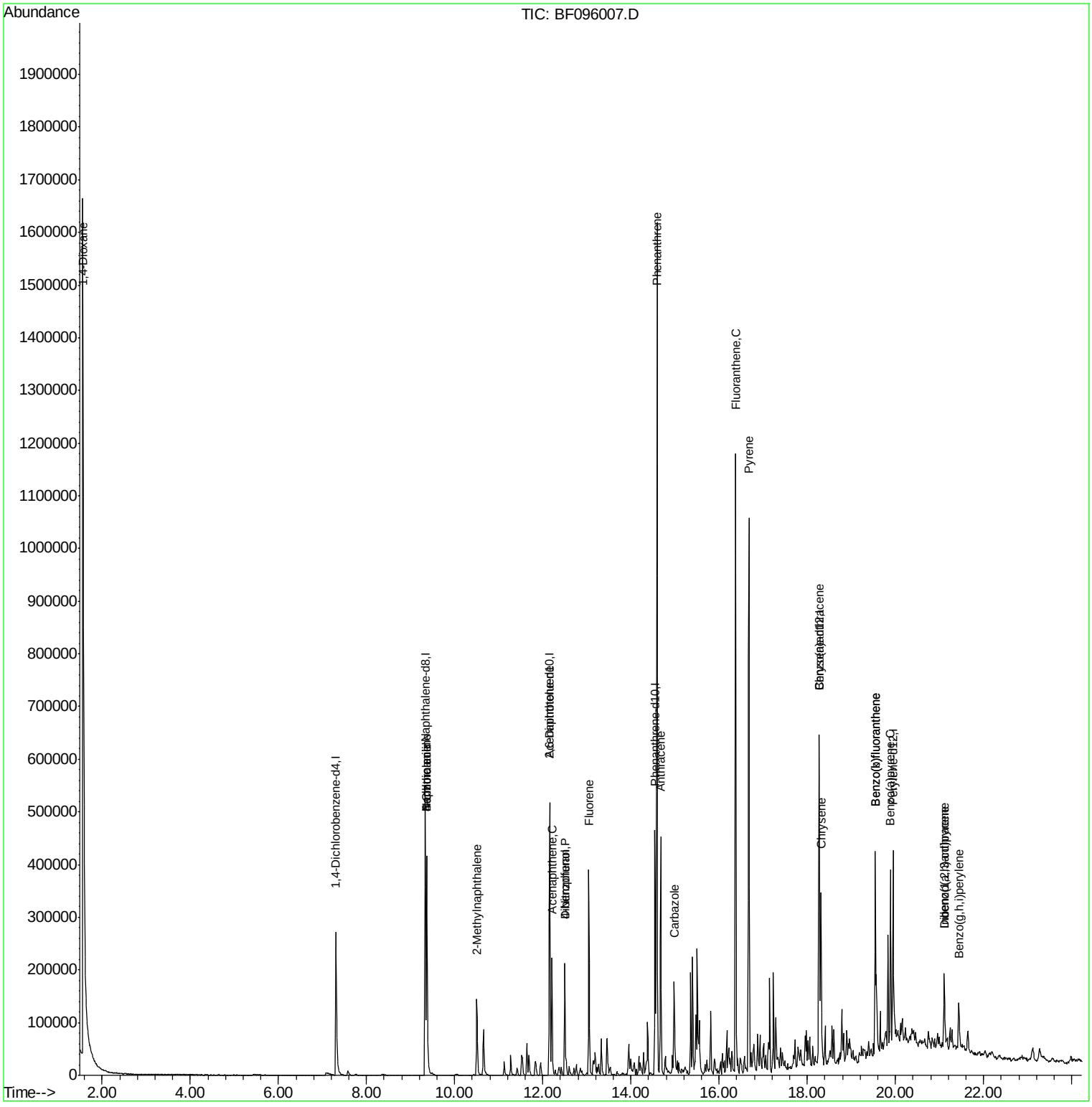
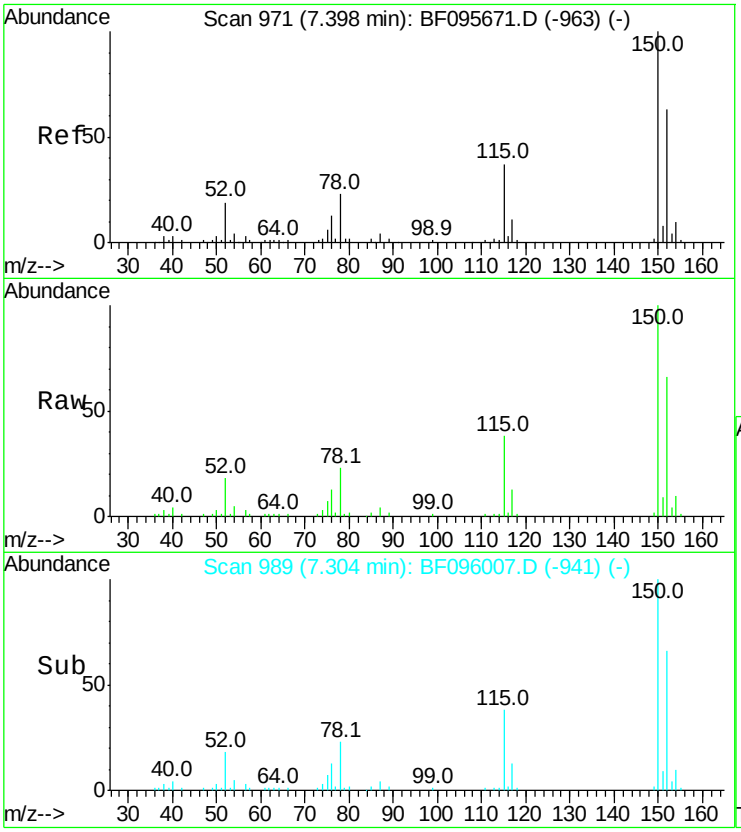
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 19 16:40:32 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 16 17:12:03 2017
Response via : Initial Calibration



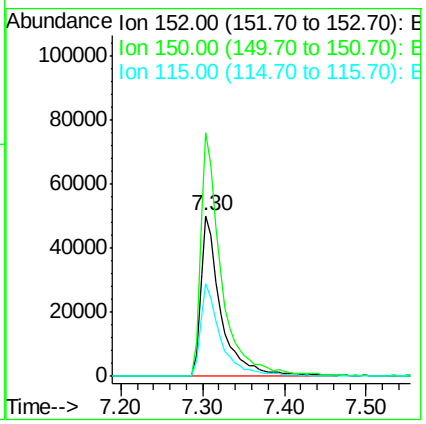


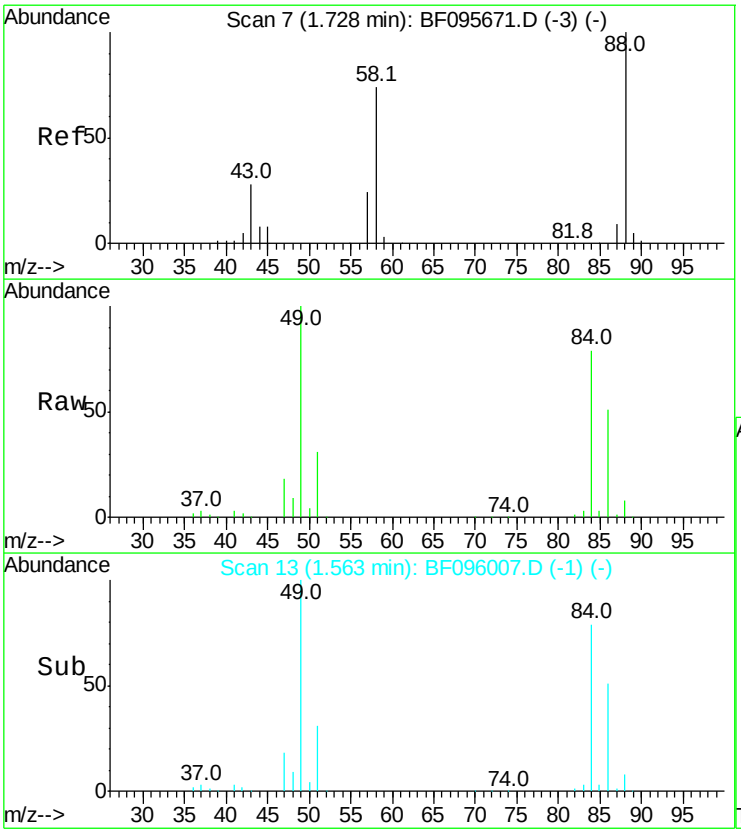
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.30 min Scan# 989
Delta R.T. -0.02 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 86020

Ion	Ratio	Lower	Upper
152	100		
150	151.3	126.2	189.2
115	57.7	52.2	78.2

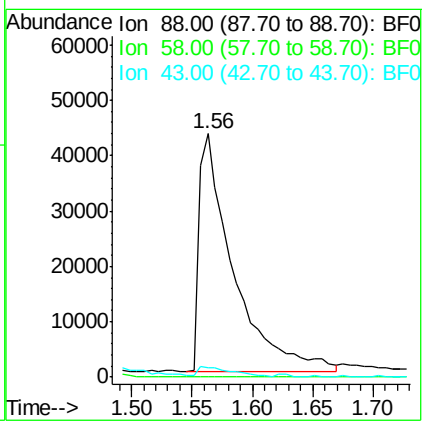


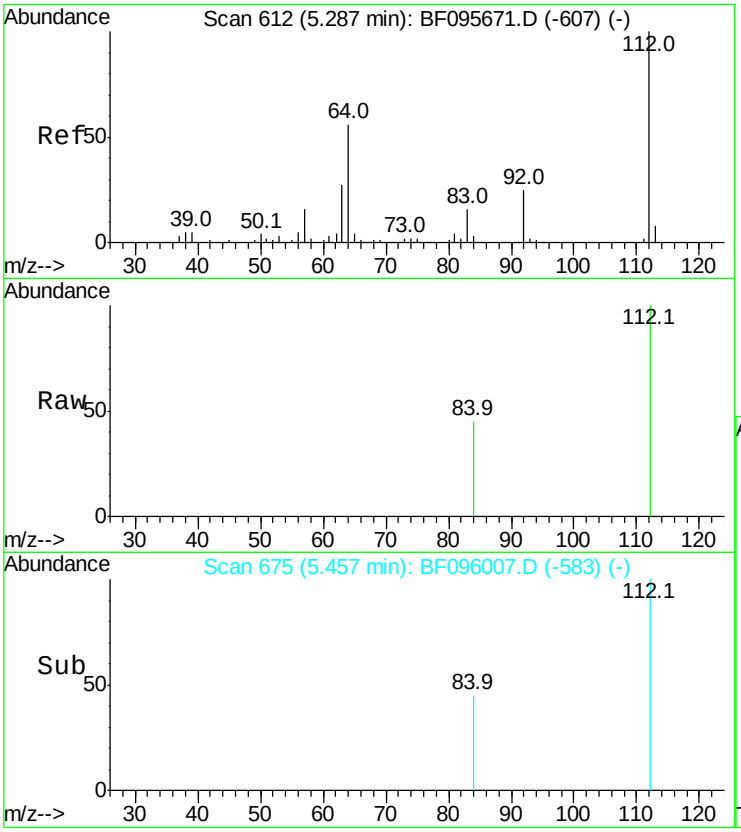


#2
1,4-Dioxane
Concen: 33.03 ng
RT: 1.56 min Scan# 13
Delta R.T. -0.07 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Tgt Ion: 88 Resp: 84824

Ion	Ratio	Lower	Upper
88	100		
58	0.0	61.4	92.0#
43	4.5	23.4	35.0#



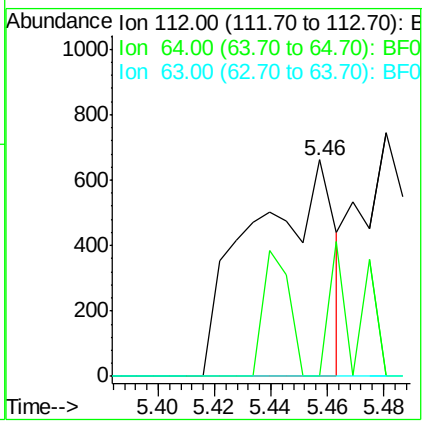


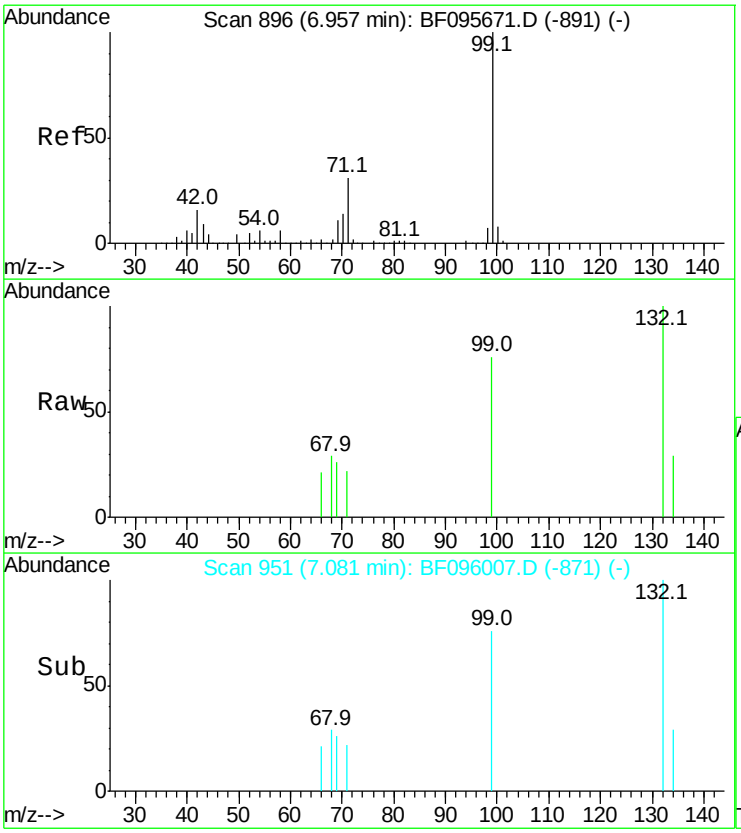
#5
2-Fluorophenol
Concen: 0.24 ng
RT: 5.46 min Scan# 675
Delta R.T. 0.24 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:112 Resp: 1315

Ion	Ratio	Lower	Upper
112	100		
64	0.0	46.0	69.0#
63	0.0	23.4	35.0#

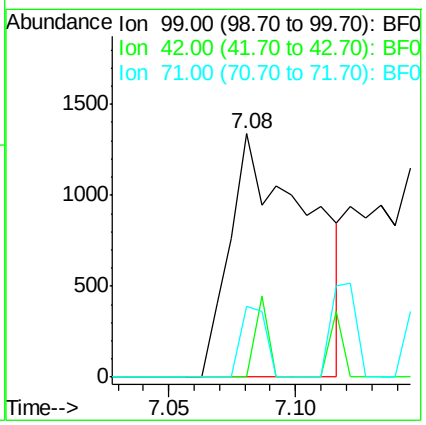


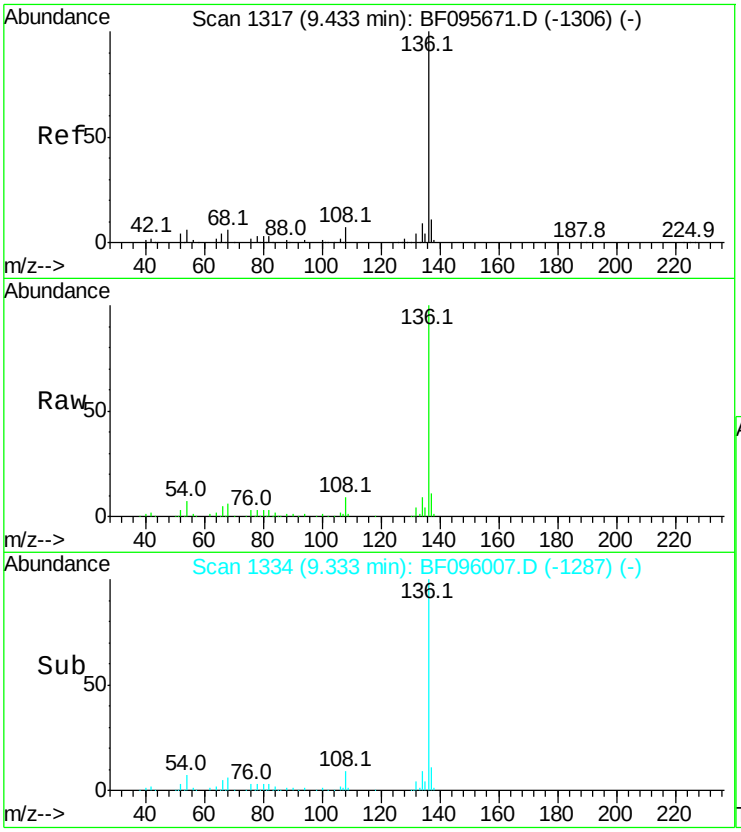


#7
Phenol-d6
Concen: 0.45 ng
RT: 7.08 min Scan# 951
Delta R.T. 0.17 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Tgt Ion: 99 Resp: 2887

Ion	Ratio	Lower	Upper
99	100		
42	0.0	13.5	20.3#
71	29.2	24.5	36.7



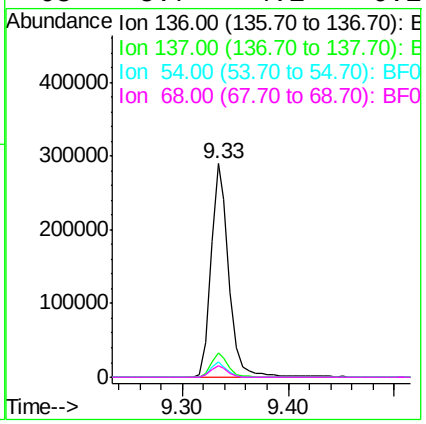


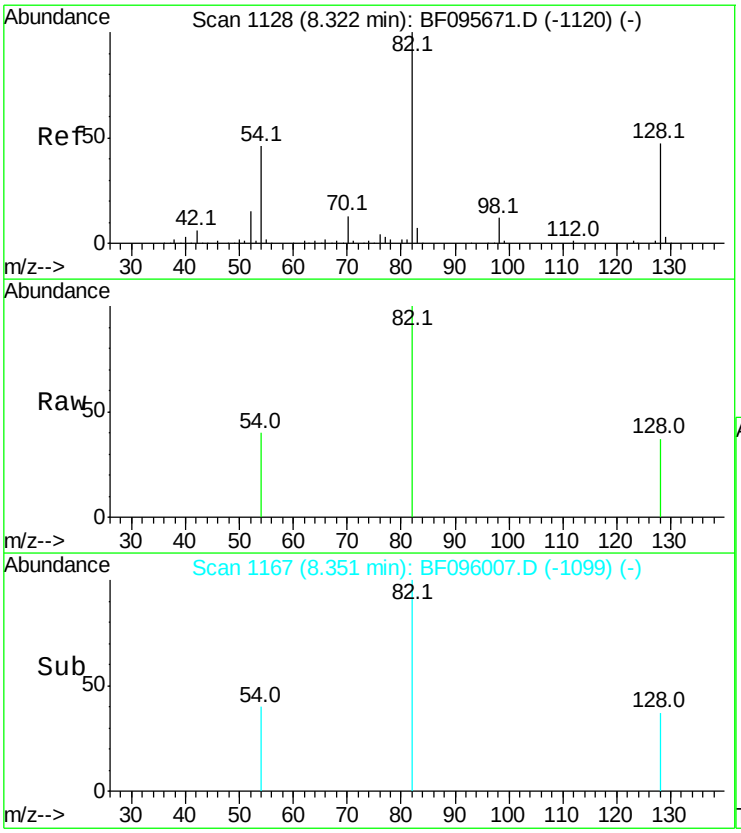
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.33 min Scan# 1334
Delta R.T. -0.02 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 345411

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	7.0	4.9	7.3
68	5.7	4.1	6.1

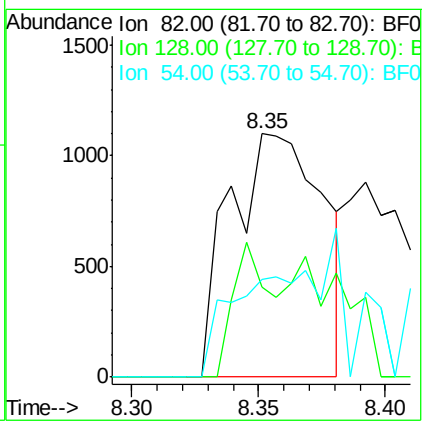


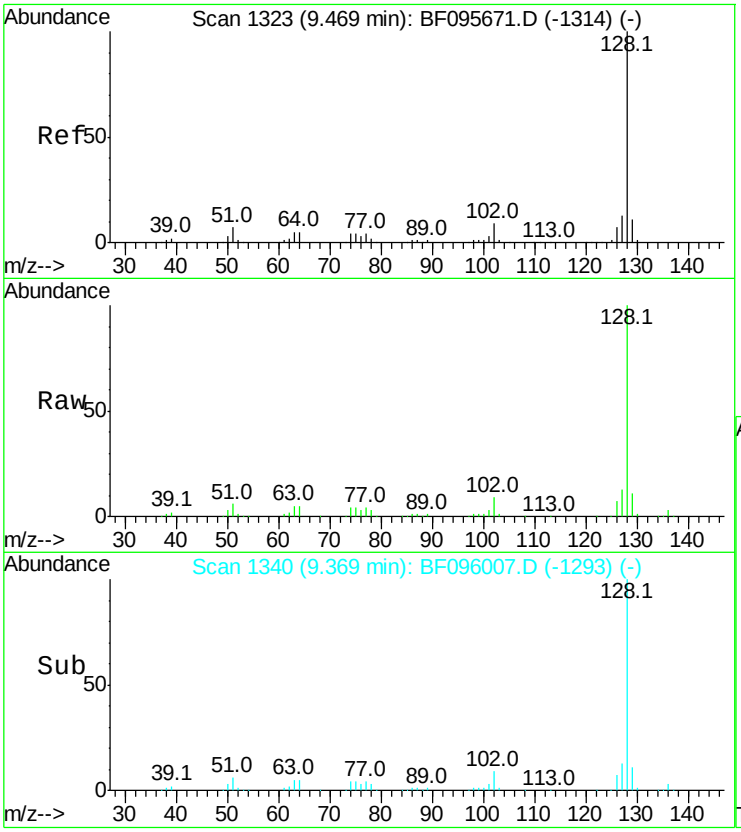


#23
Nitrobenzene-d5
Concen: 0.51 ng
RT: 8.35 min Scan# 1167
Delta R.T. 0.10 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Tgt Ion: 82 Resp: 2819

Ion	Ratio	Lower	Upper
82	100		
128	37.0	34.0	51.0
54	40.1	42.2	63.2#



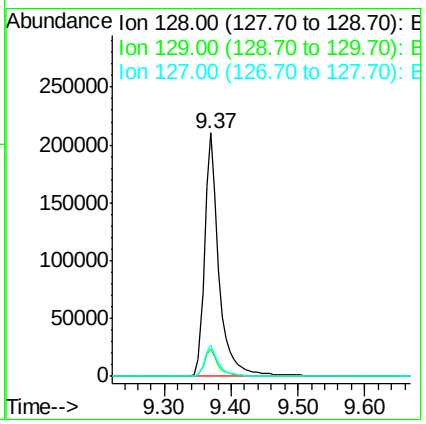


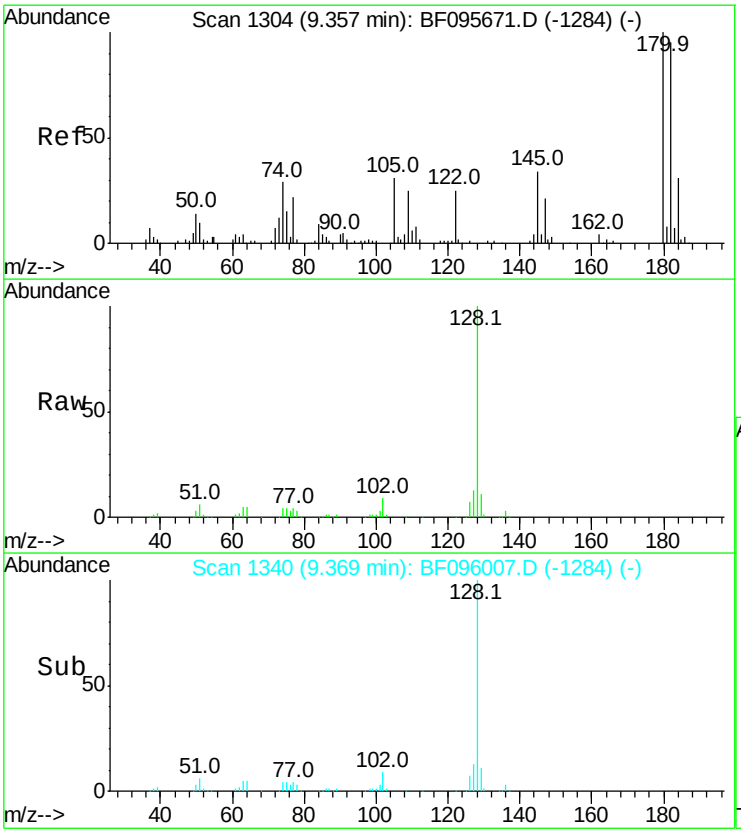
#31
Naphthalene
Concen: 18.13 ng
RT: 9.37 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp: 314243

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	12.8	10.8	16.2

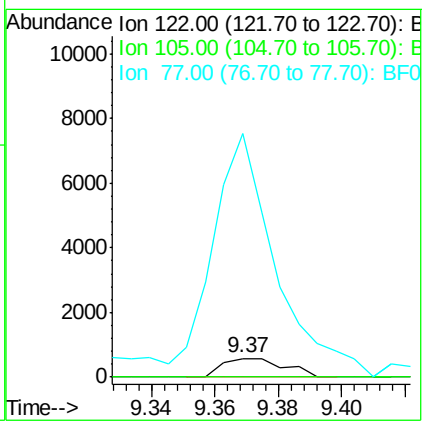


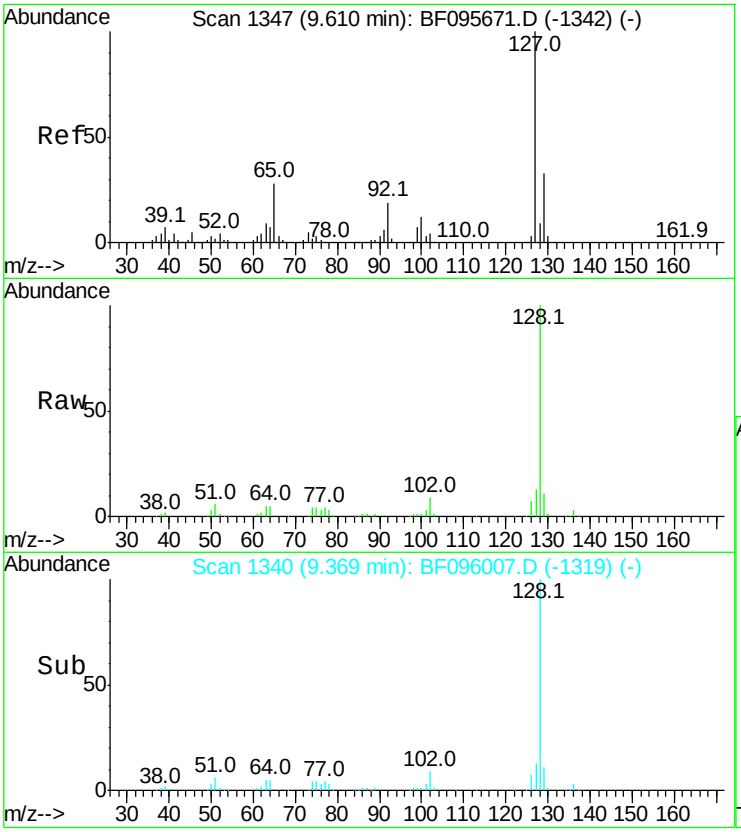


#32
Benzoic acid
Concen: 5.35 ng
RT: 9.37 min Scan# 1340
Delta R.T. 0.03 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Tgt Ion:122 Resp: 777

Ion	Ratio	Lower	Upper
122	100		
105	0.0	103.3	143.3#
77	1317.1	73.7	113.7#



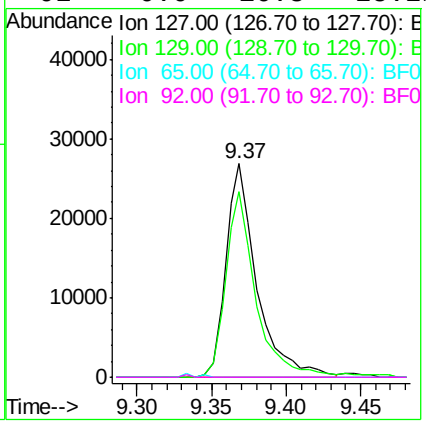


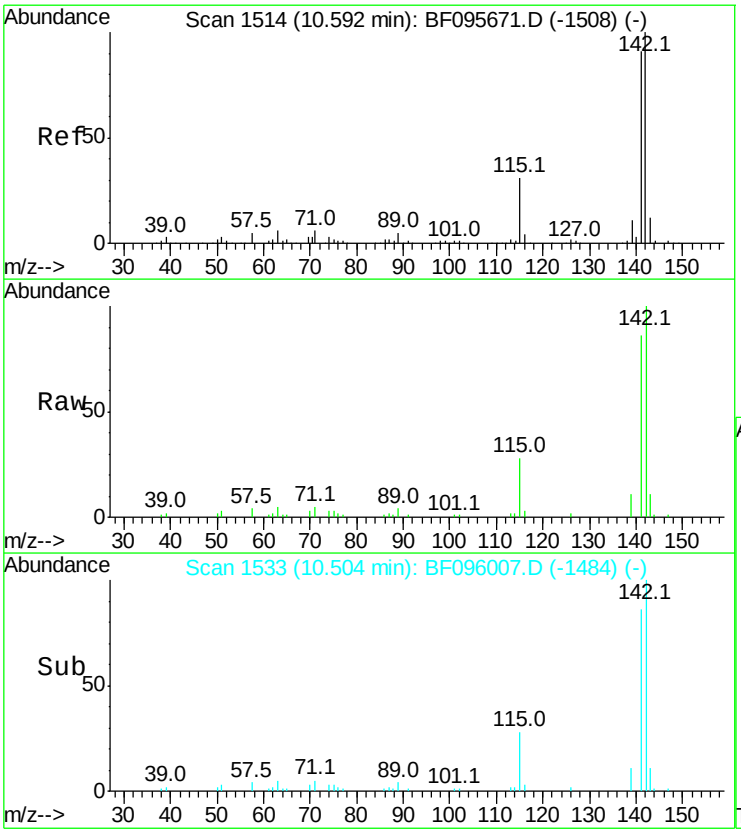
#33
4-Chloroaniline
Concen: 5.74 ng
RT: 9.37 min Scan# 1340
Delta R.T. -0.18 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:127 Resp: 38875

Ion	Ratio	Lower	Upper
127	100		
129	87.0	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#

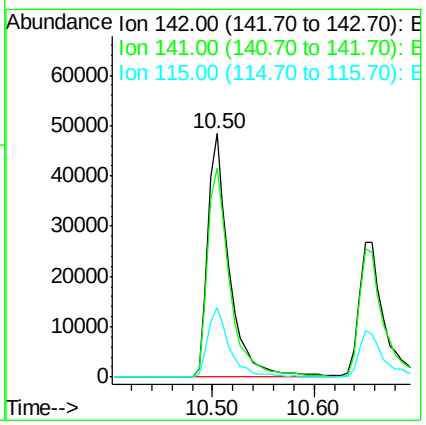


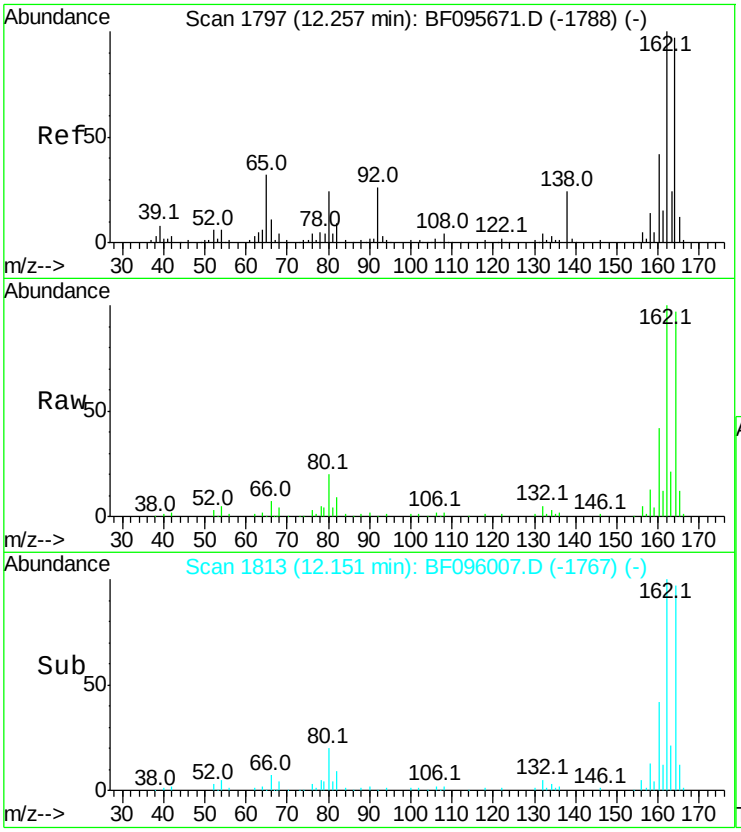


#37
2-Methylnaphthalene
Concen: 6.11 ng
RT: 10.50 min Scan# 1533
Delta R.T. -0.01 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Tgt Ion:142 Resp: 71598

Ion	Ratio	Lower	Upper
142	100		
141	86.1	71.3	106.9
115	28.4	27.1	40.7



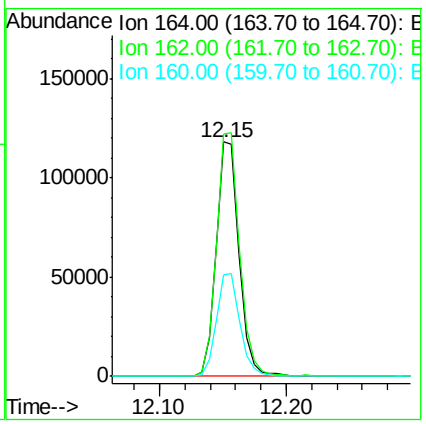


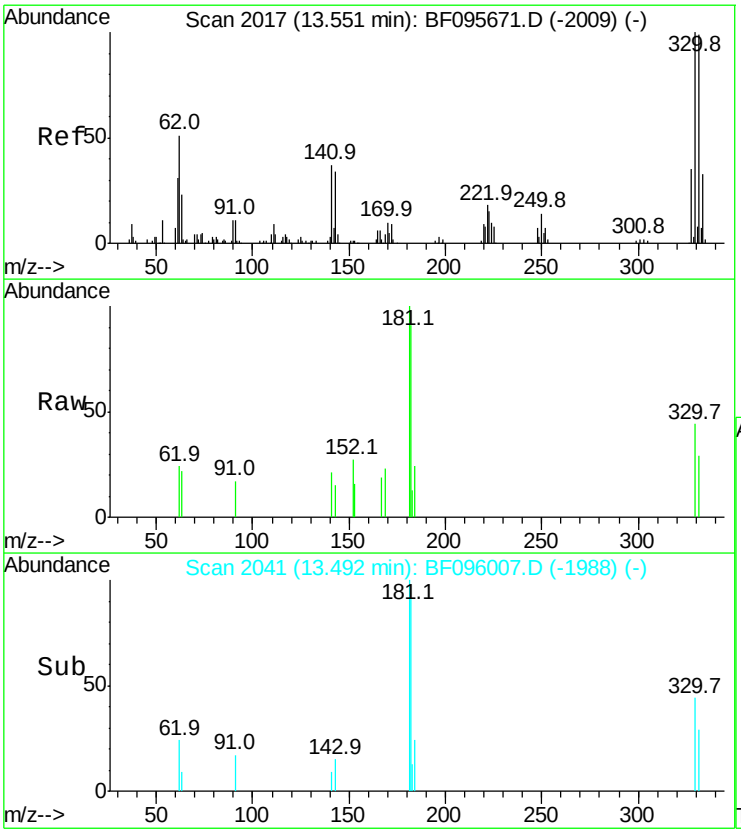
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.15 min Scan# 1813
Delta R.T. -0.03 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 149426

Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.6	123.8
160	43.5	36.2	54.2

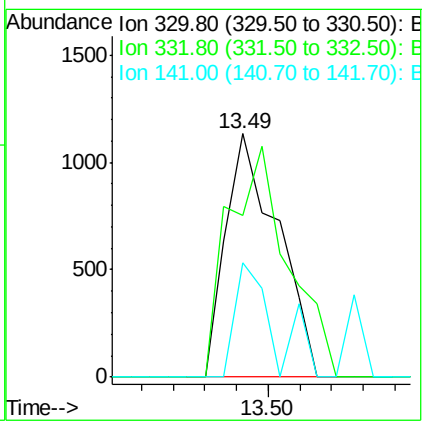


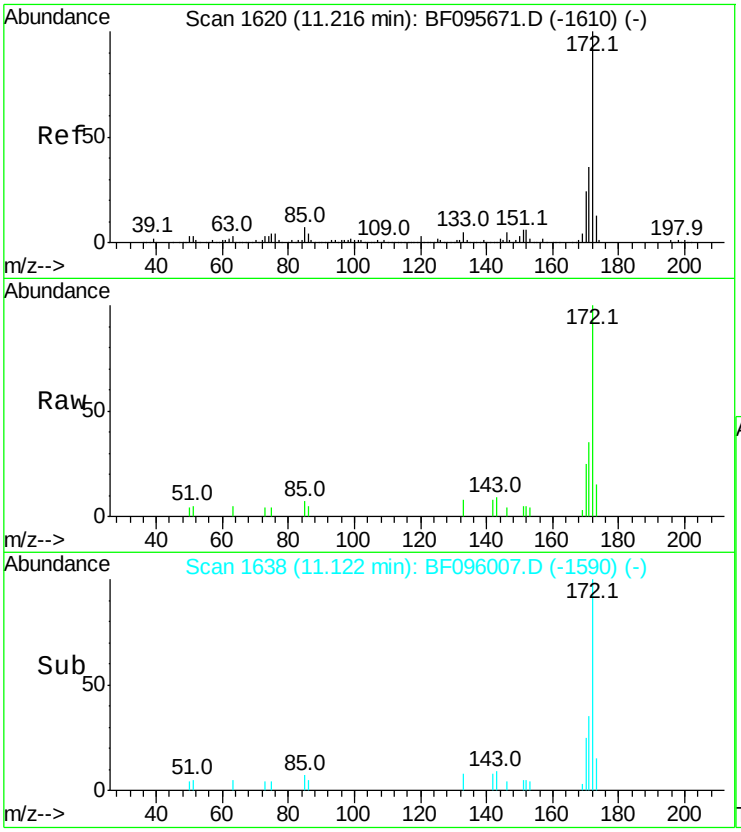


#41
2,4,6-Tribromophenol
Concen: 0.97 ng
RT: 13.49 min Scan# 2041
Delta R.T. 0.01 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Tgt Ion:330 Resp: 1283

Ion	Ratio	Lower	Upper
330	100		
332	109.1	76.6	115.0
141	35.4	31.4	47.2



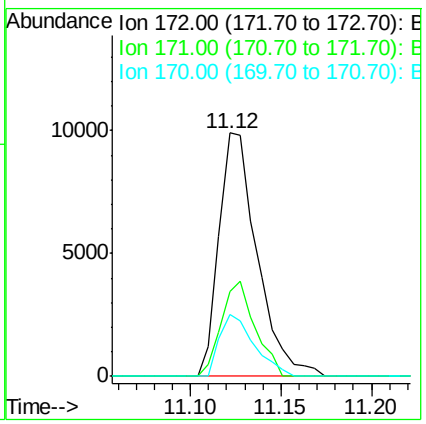


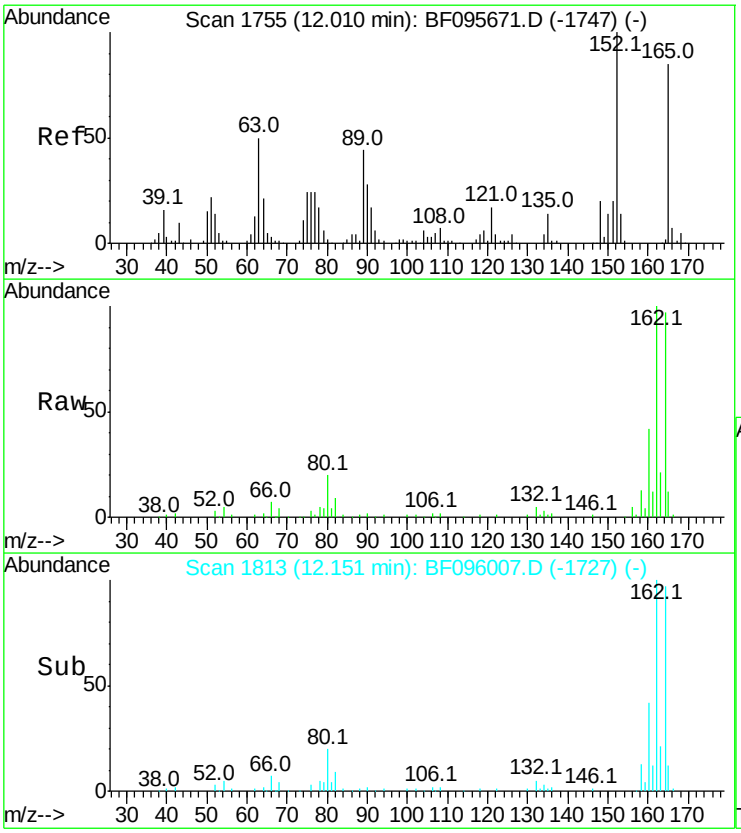
#44
2-Fluorobiphenyl
Concen: 1.35 ng
RT: 11.12 min Scan# 1638
Delta R.T. -0.02 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 14547

Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.6	44.4
170	25.4	19.8	29.8

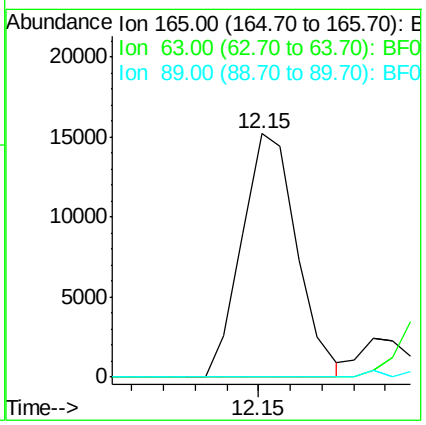


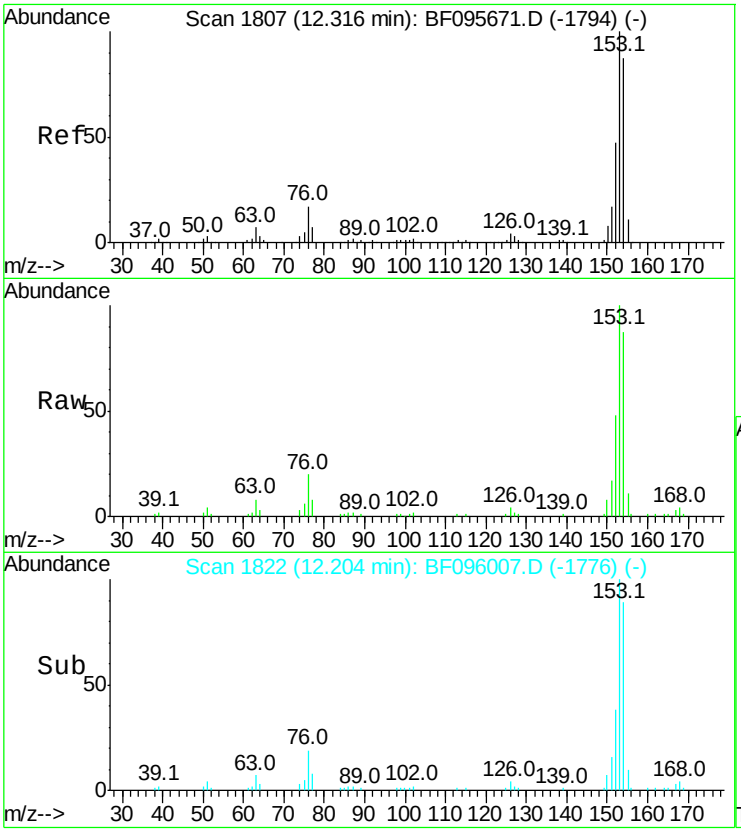


#50
2,6-Dinitrotoluene
Concen: 7.42 ng
RT: 12.15 min Scan# 1813
Delta R.T. 0.21 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Tgt Ion:165 Resp: 18352

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



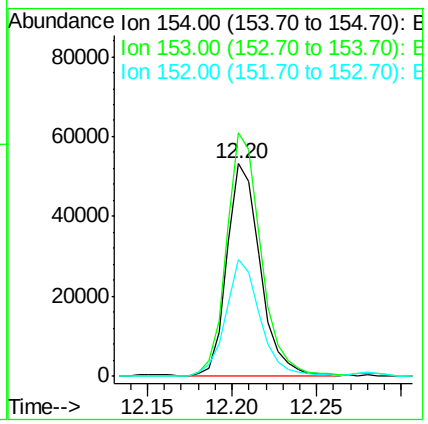


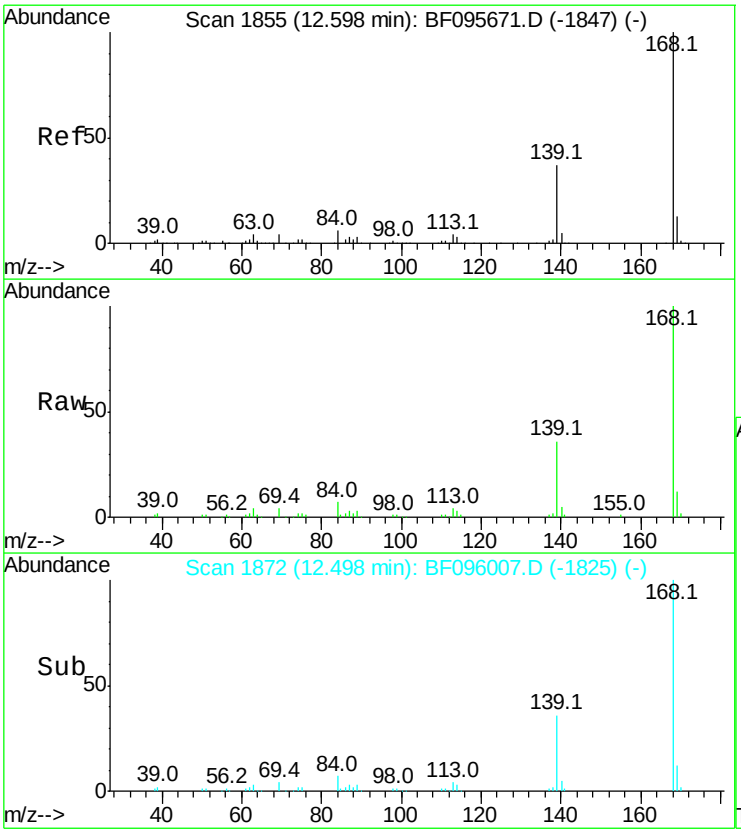
#51
Acenaphthene
Concen: 7.68 ng
RT: 12.20 min Scan# 1822
Delta R.T. -0.03 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 72976

Ion	Ratio	Lower	Upper
154	100		
153	114.6	90.5	135.7
152	54.7	43.6	65.4

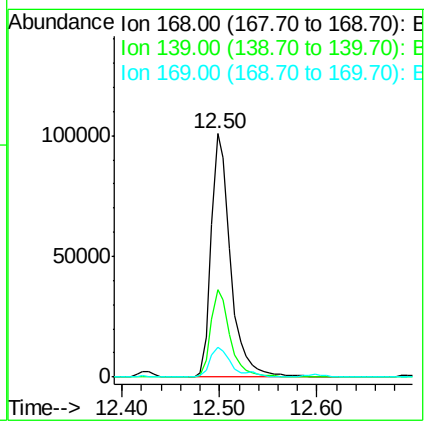


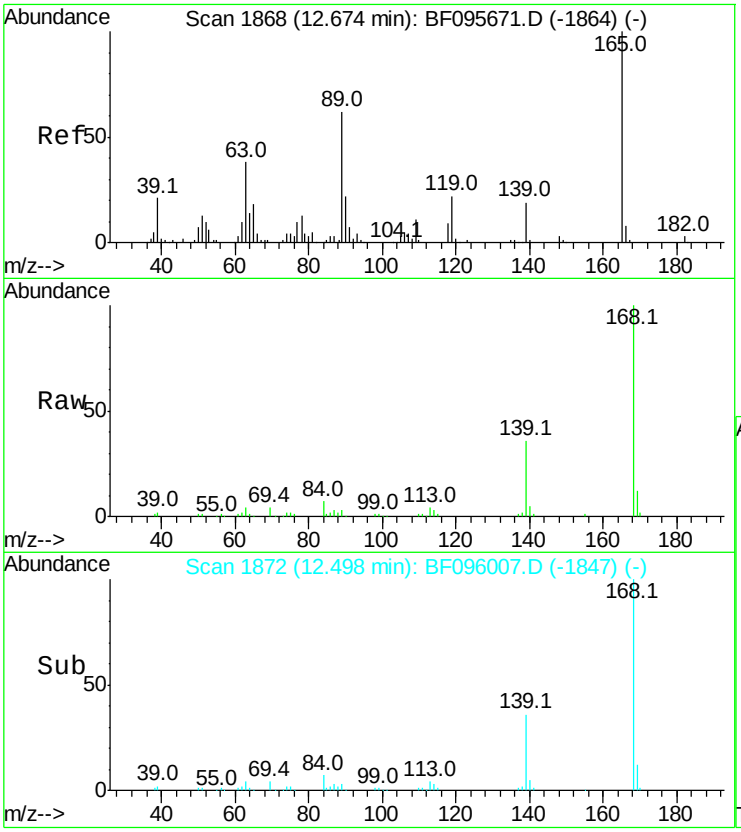


#54
Dibenzofuran
Concen: 10.41 ng
RT: 12.50 min Scan# 1872
Delta R.T. -0.02 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Tgt Ion:168 Resp: 139274

Ion	Ratio	Lower	Upper
168	100		
139	35.8	30.6	45.8
169	12.2	10.8	16.2



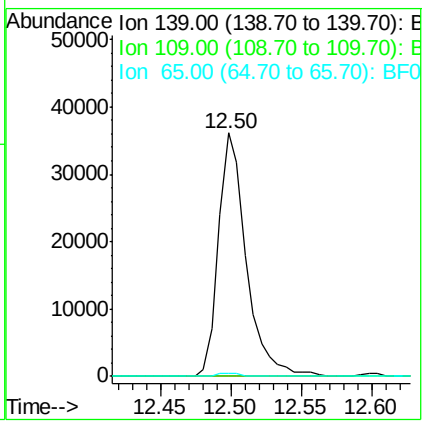


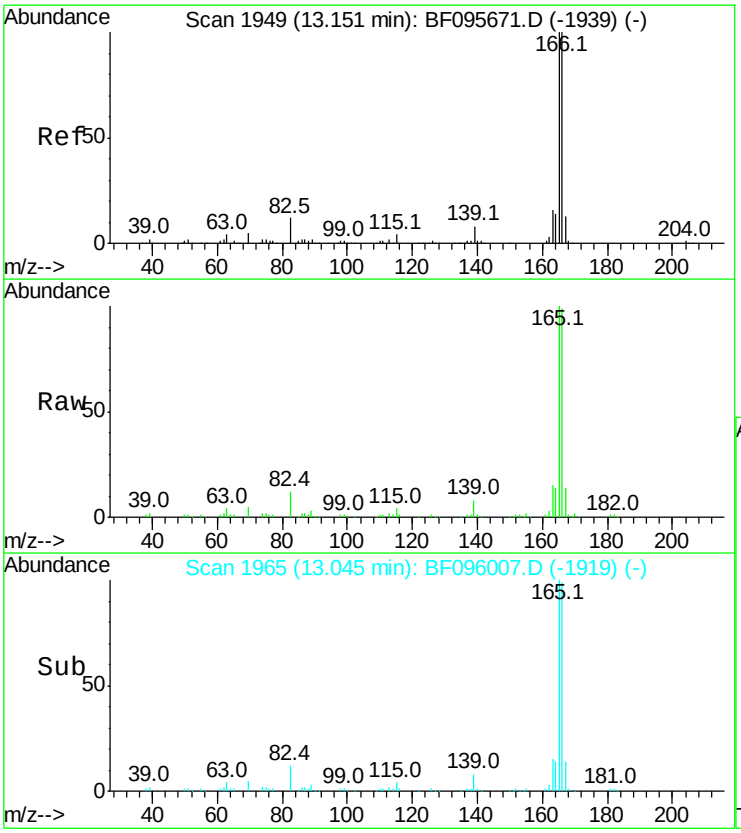
#55
4-Nitrophenol
Concen: 32.31 ng
RT: 12.50 min Scan# 1872
Delta R.T. -0.15 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 49465

Ion	Ratio	Lower	Upper
139	100		
109	0.0	34.1	74.1#
65	1.2	31.4	71.4#

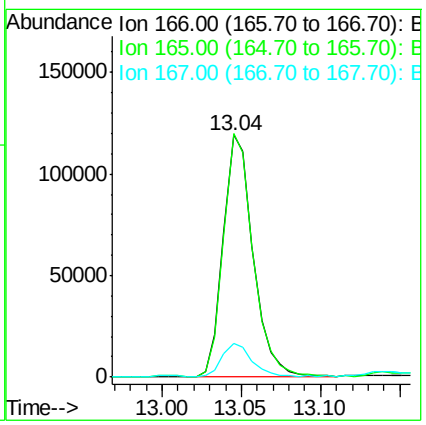


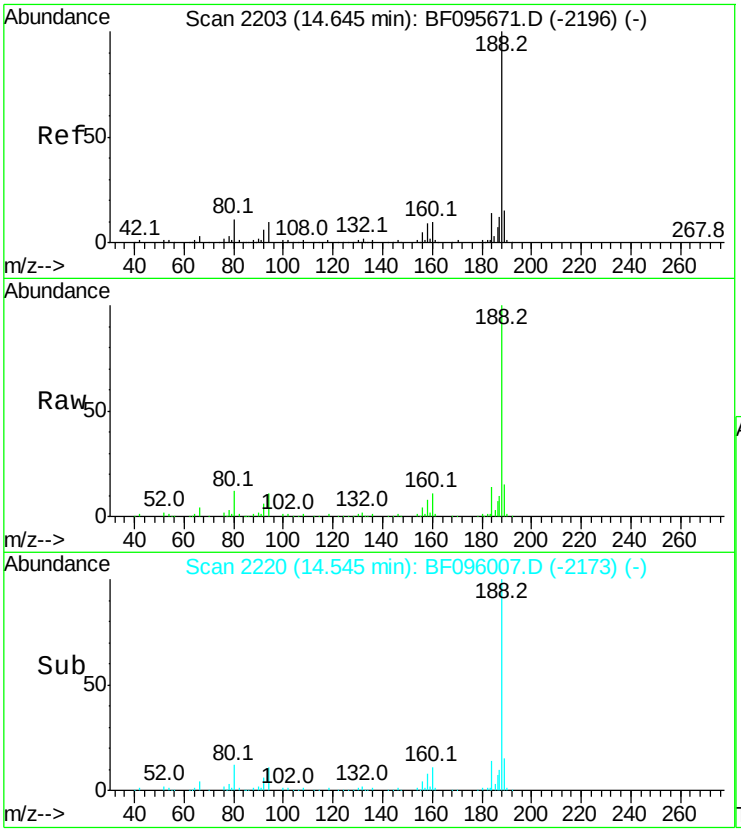


#57
Fluorene
Concen: 13.48 ng
RT: 13.04 min Scan# 1965
Delta R.T. -0.03 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Tgt Ion:166 Resp: 156848

Ion	Ratio	Lower	Upper
166	100		
165	100.7	78.8	118.2
167	13.8	10.6	16.0



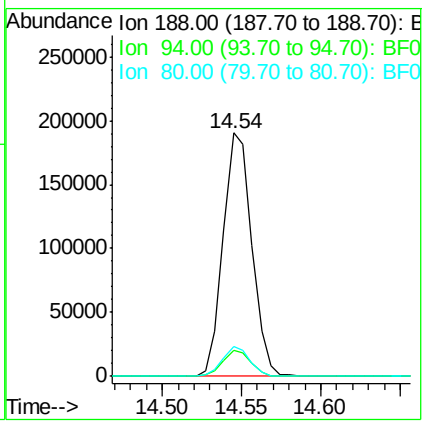


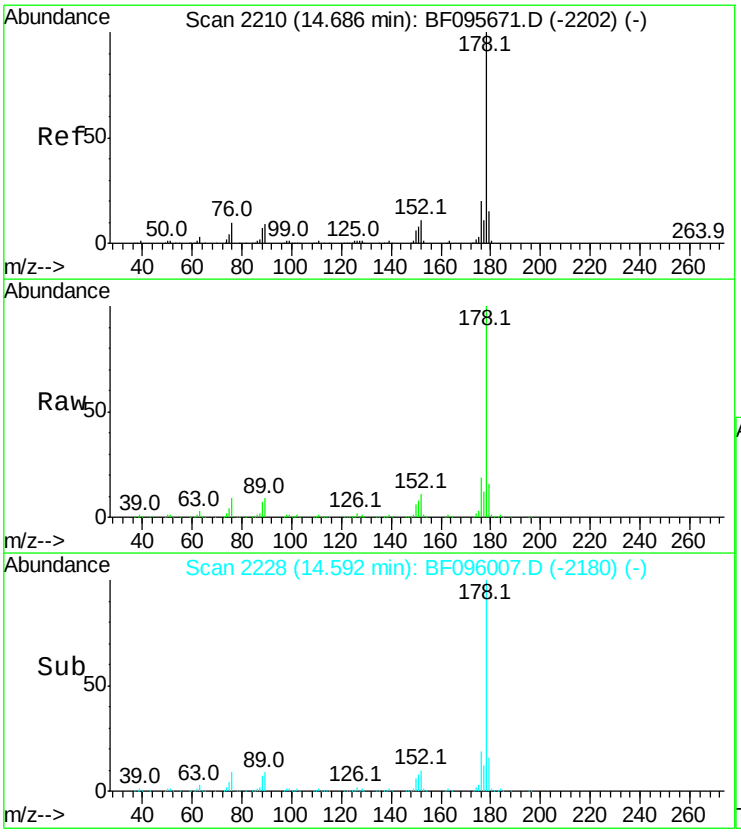
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.54 min Scan# 2220
Delta R.T. -0.02 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 238735

Ion	Ratio	Lower	Upper
188	100		
94	10.7	9.4	14.2
80	12.0	10.2	15.2

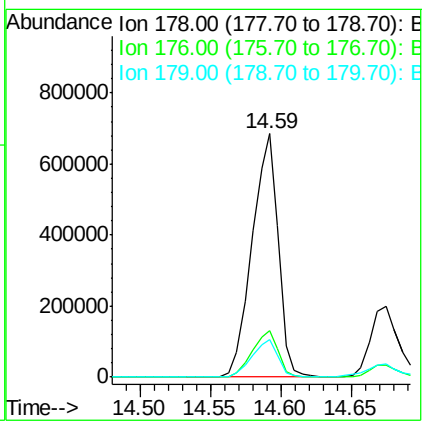


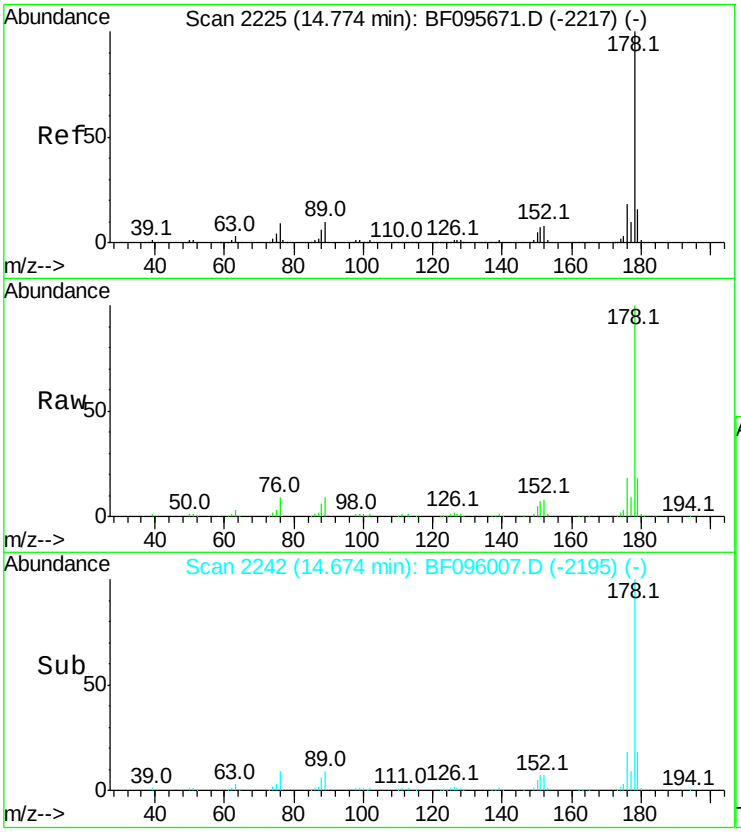


#70
Phenanthrene
Concen: 64.93 ng
RT: 14.59 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Tgt Ion:178 Resp: 894361

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



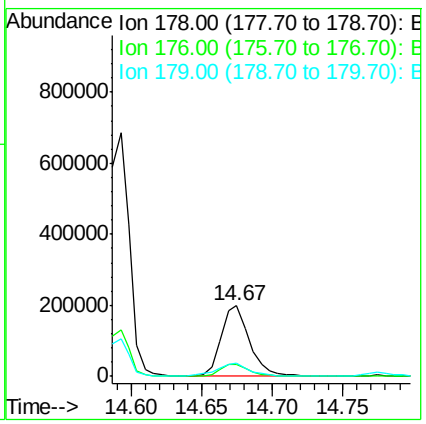


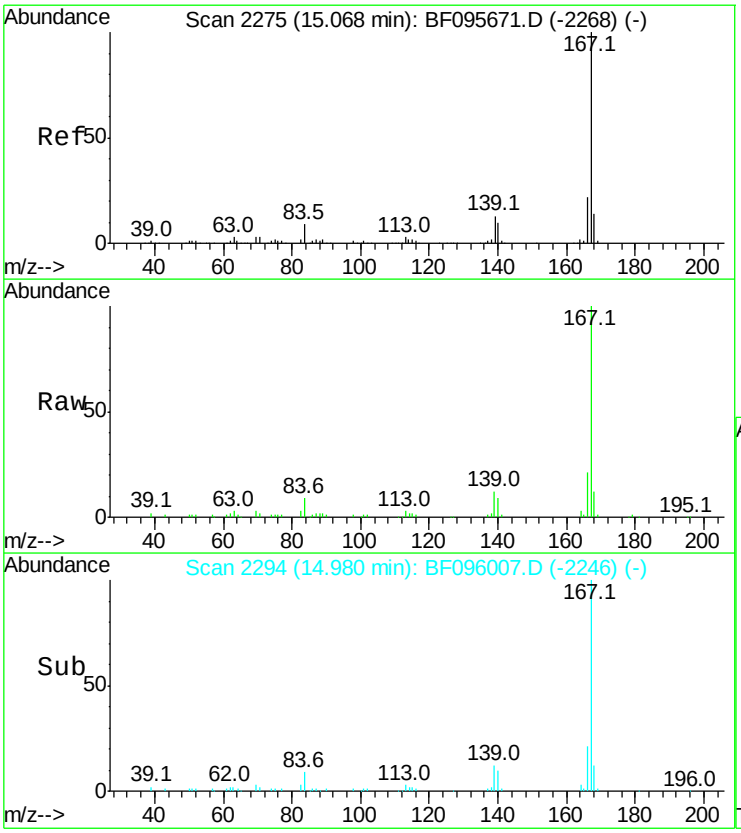
#71
Anthracene
Concen: 19.21 ng
RT: 14.67 min Scan# 2242
Delta R.T. -0.02 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 276278

Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.8	23.8
179	18.2	12.7	19.1

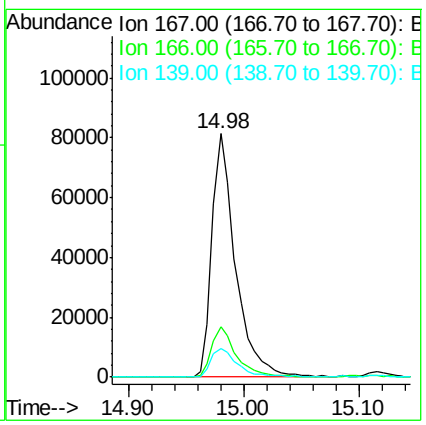


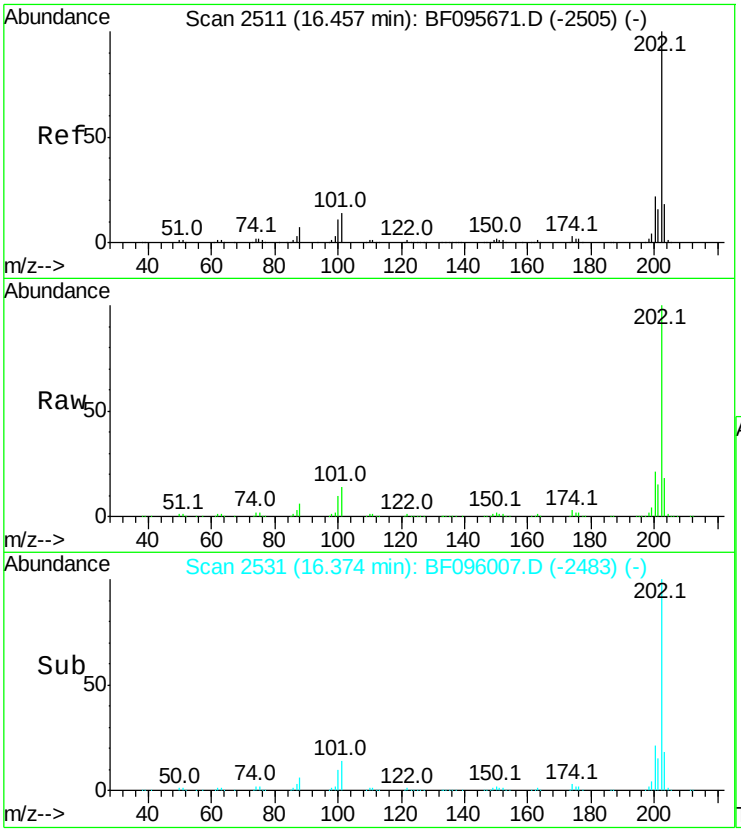


#72
Carbazole
Concen: 8.24 ng
RT: 14.98 min Scan# 2294
Delta R.T. -0.02 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Tgt Ion:167 Resp: 115515

Ion	Ratio	Lower	Upper
167	100		
166	20.9	18.1	27.1
139	12.0	11.7	17.5



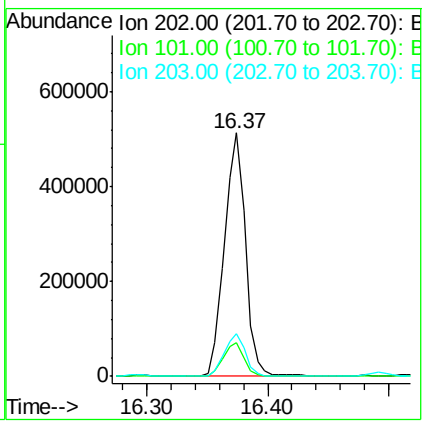


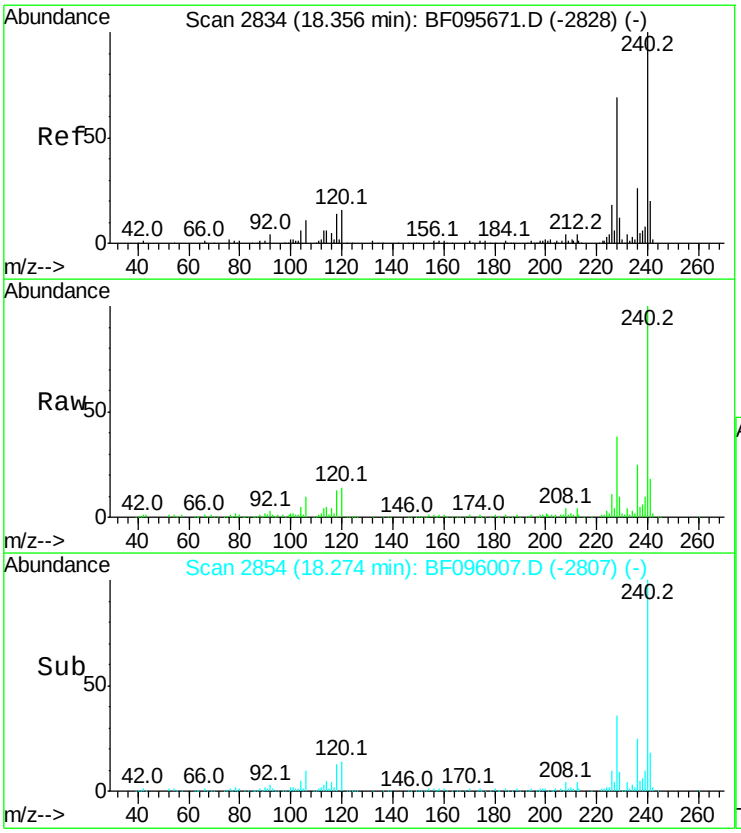
#74
Fluoranthene
Concen: 45.54 ng
RT: 16.37 min Scan# 2531
Delta R.T. -0.02 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 620875

Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	33.2
203	17.6	0.0	38.1

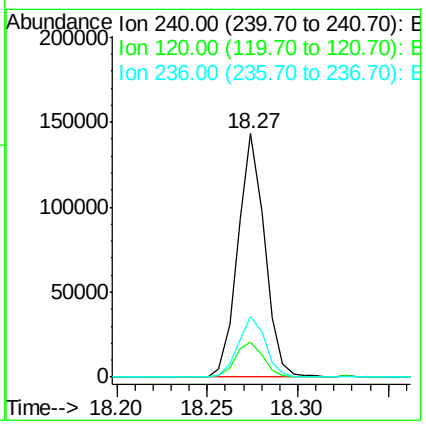


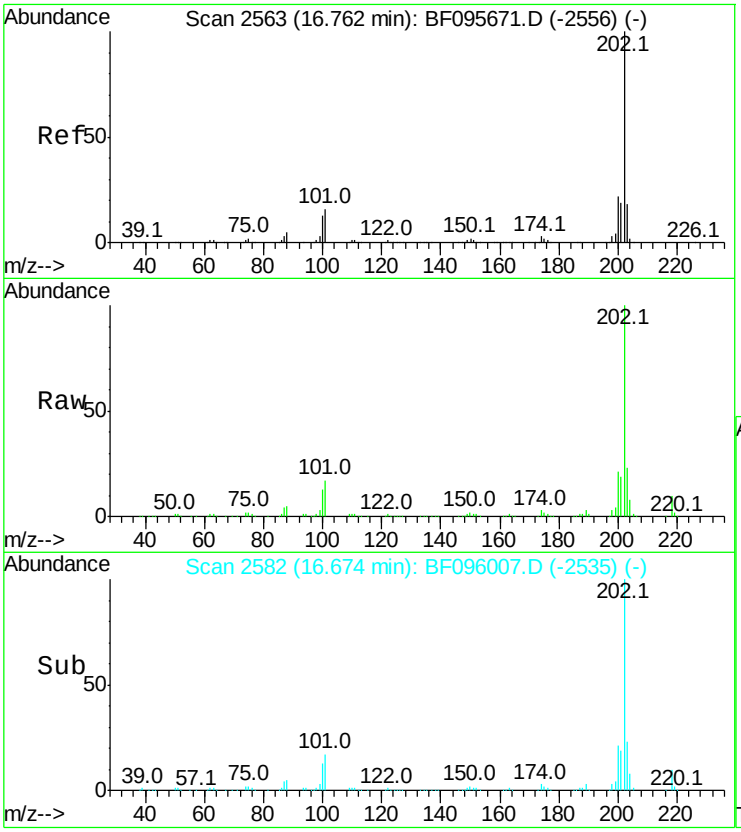


#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.27 min Scan# 2854
Delta R.T. -0.02 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Tgt Ion:240 Resp: 146762

Ion	Ratio	Lower	Upper
240	100		
120	14.3	5.8	8.8#
236	24.7	20.5	30.7



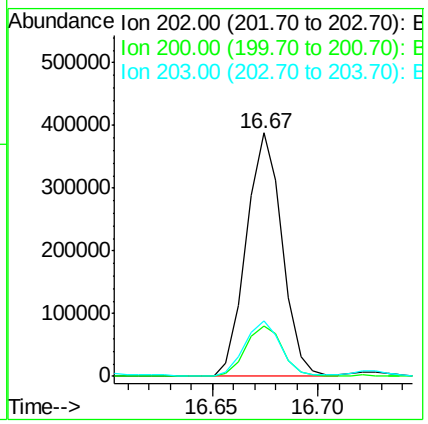


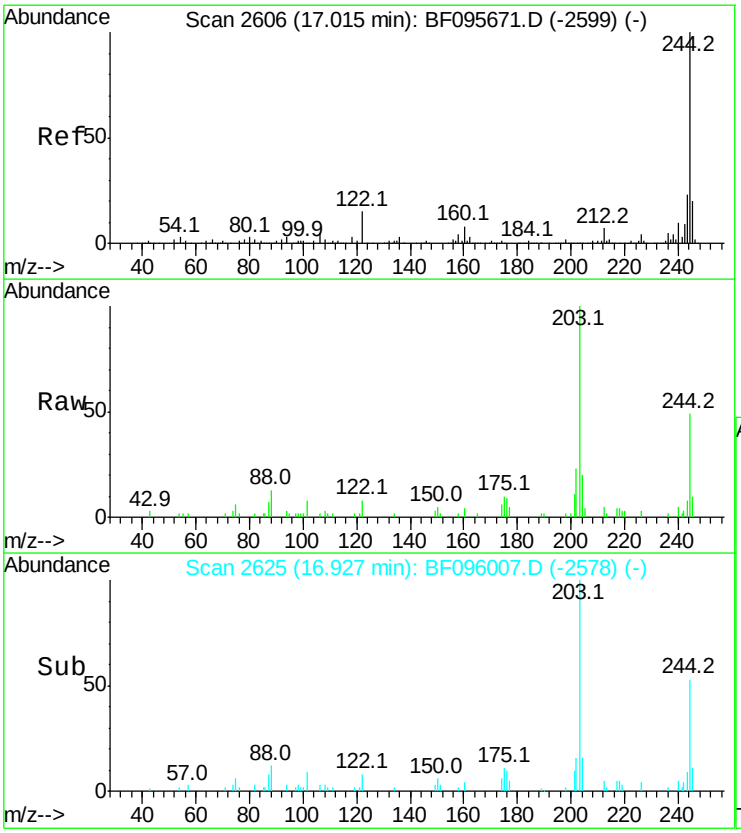
#77
Pyrene
Concen: 41.73 ng
RT: 16.67 min Scan# 2582
Delta R.T. -0.02 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 456918

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.6	26.4
203	22.7	14.4	21.6#

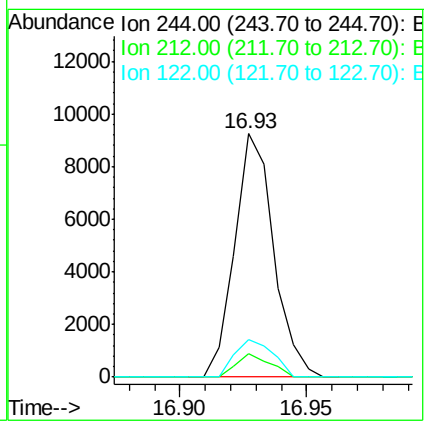


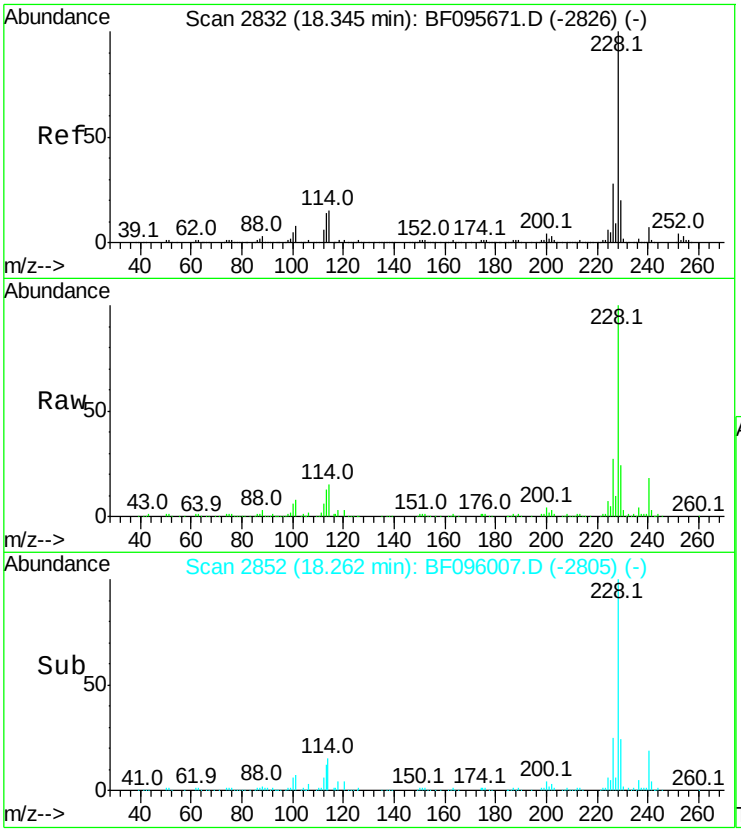


#78
Terphenyl-d14
Concen: 1.67 ng
RT: 16.93 min Scan# 2625
Delta R.T. -0.02 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Tgt Ion:244 Resp: 9882

Ion	Ratio	Lower	Upper
244	100		
212	9.5	6.0	9.0#
122	15.5	10.3	15.5#



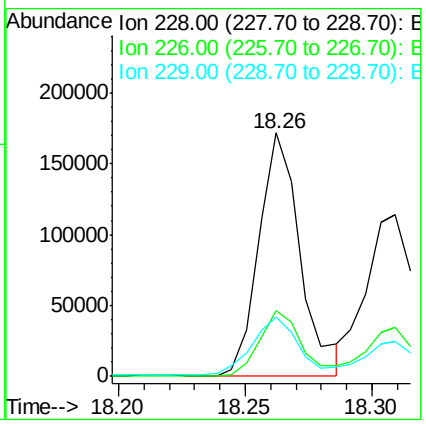


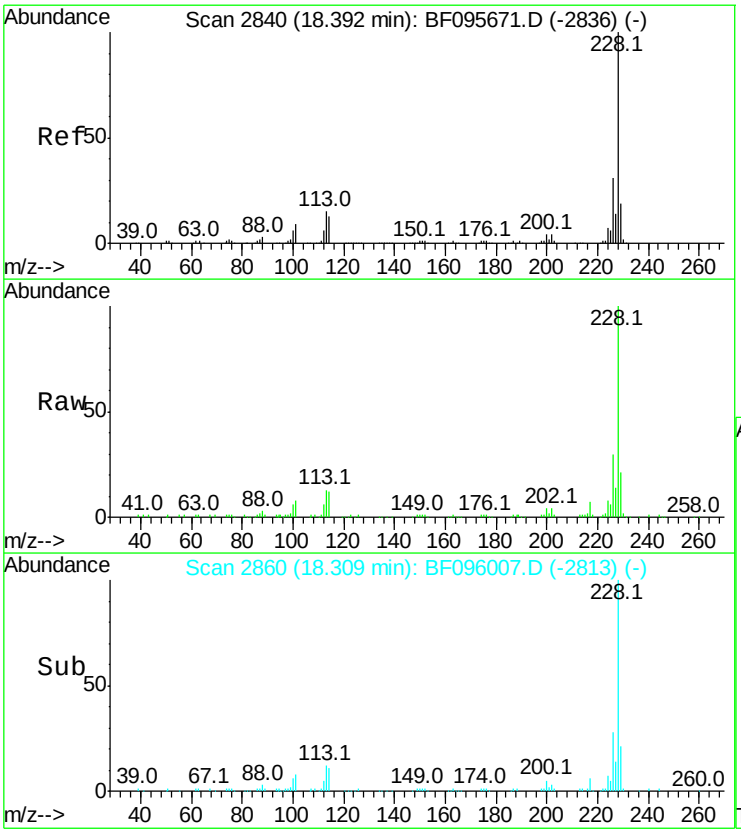
#80
Benzo(a)anthracene
Concen: 22.91 ng
RT: 18.26 min Scan# 2852
Delta R.T. -0.02 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 195492

Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.6	33.8
229	24.1	16.3	24.5

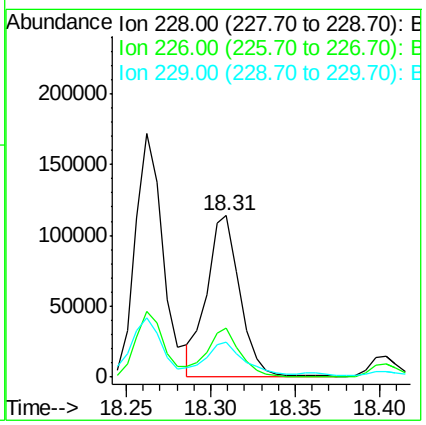


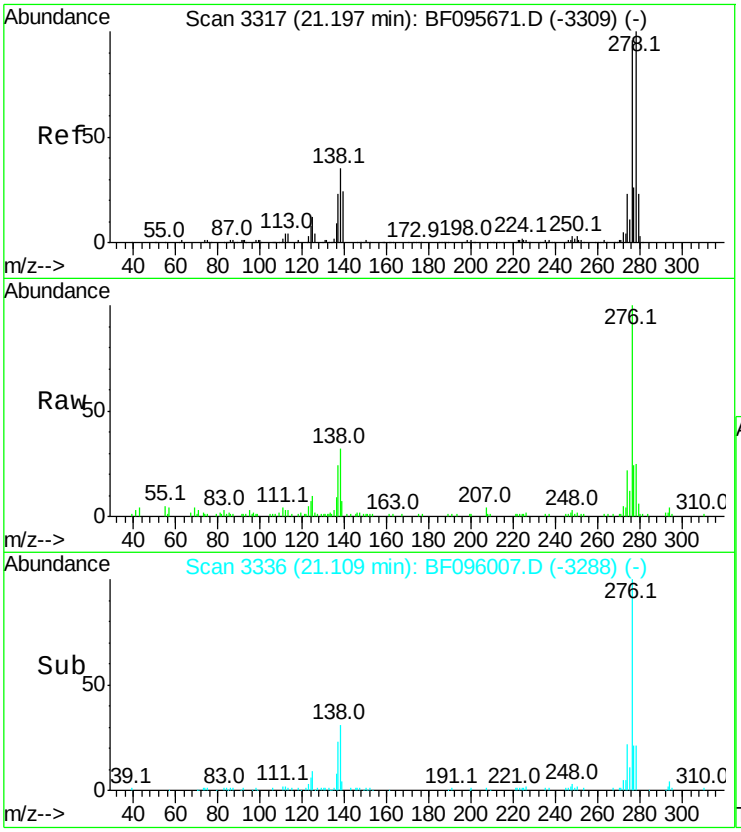


#82
Chrysene
Concen: 18.16 ng
RT: 18.31 min Scan# 2860
Delta R.T. -0.02 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Tgt Ion:228 Resp: 154830

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.9	37.3
229	21.4	15.8	23.6



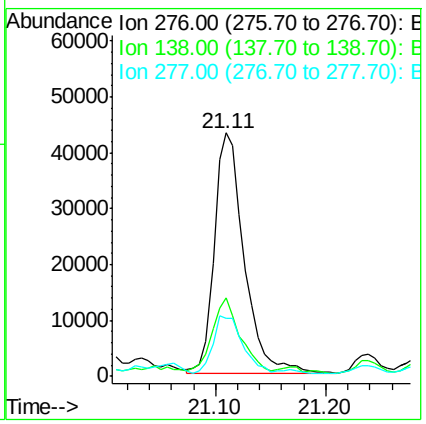


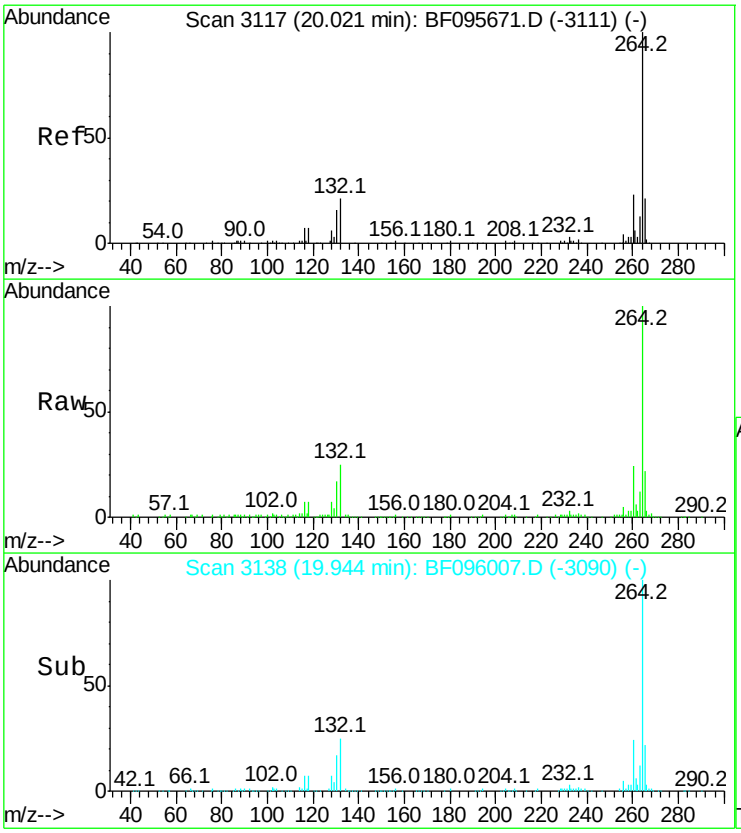
#85
Indeno(1,2,3-cd)pyrene
Concen: 11.02 ng
RT: 21.11 min Scan# 3336
Delta R.T. -0.02 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 80397

Ion	Ratio	Lower	Upper
276	100		
138	29.3	27.8	41.6
277	24.3	20.2	30.4

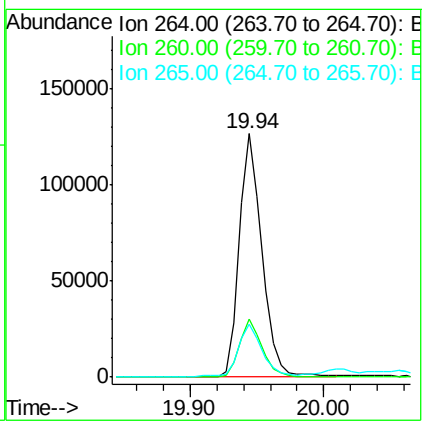


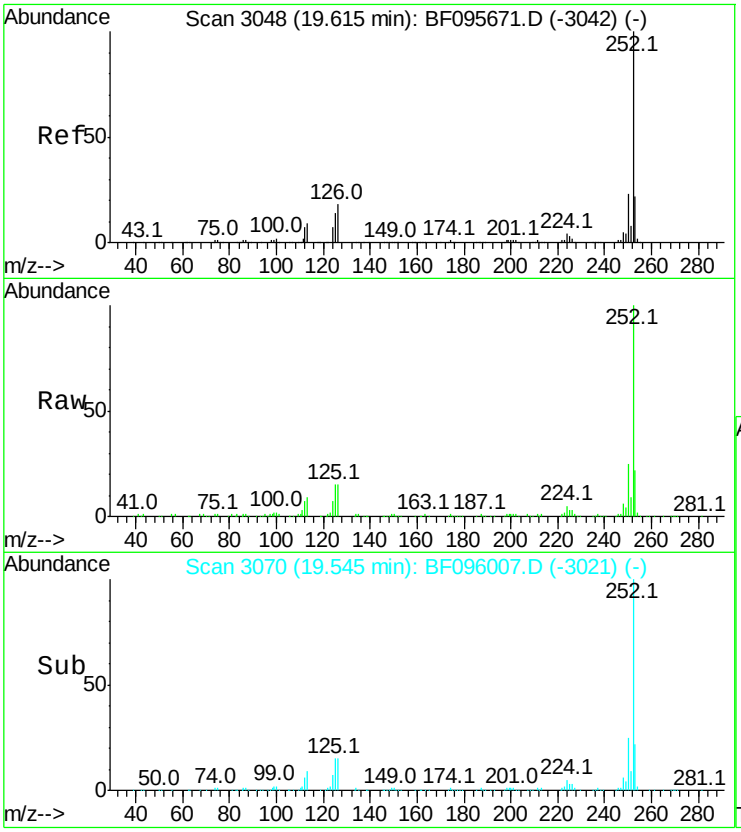


#86
Perylene-d12
Concen: 20.00 ng
RT: 19.94 min Scan# 3138
Delta R.T. -0.02 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Tgt Ion:264 Resp: 149258

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	21.5	17.2	25.8



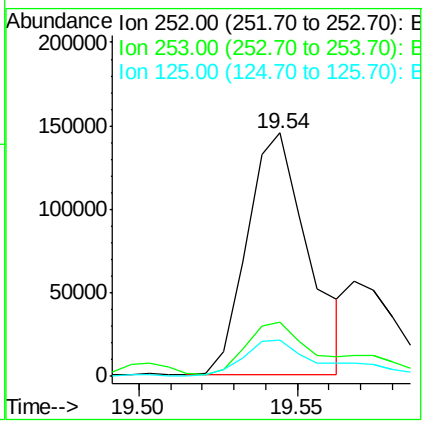


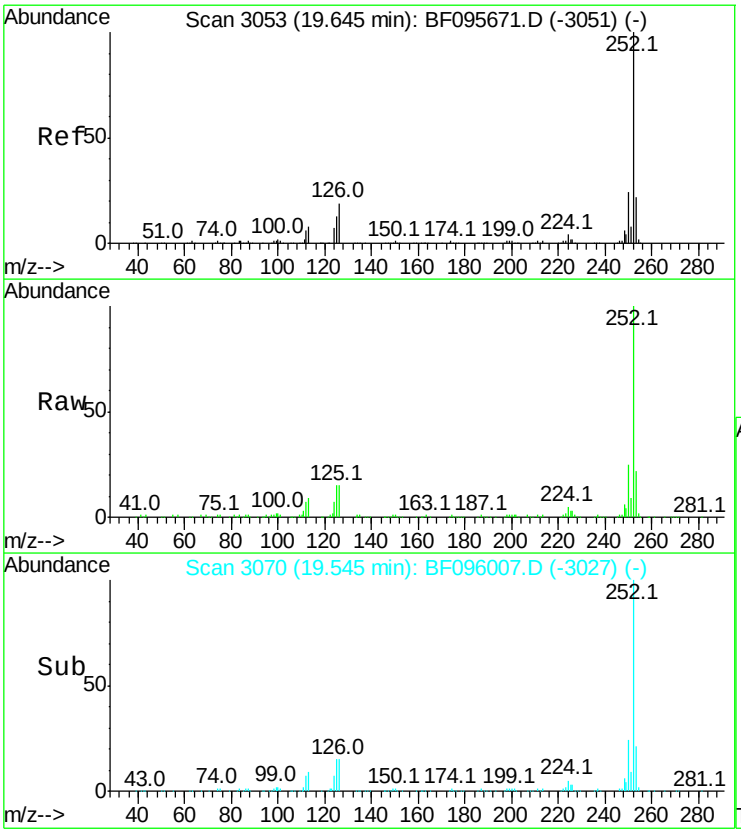
#87
Benzo(b)fluoranthene
Concen: 20.80 ng
RT: 19.54 min Scan# 3070
Delta R.T. -0.01 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 194400

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	15.0	9.8	14.8#

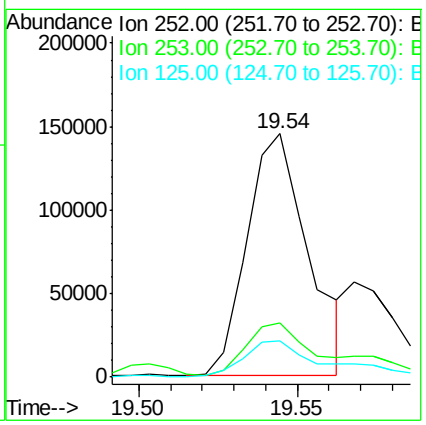


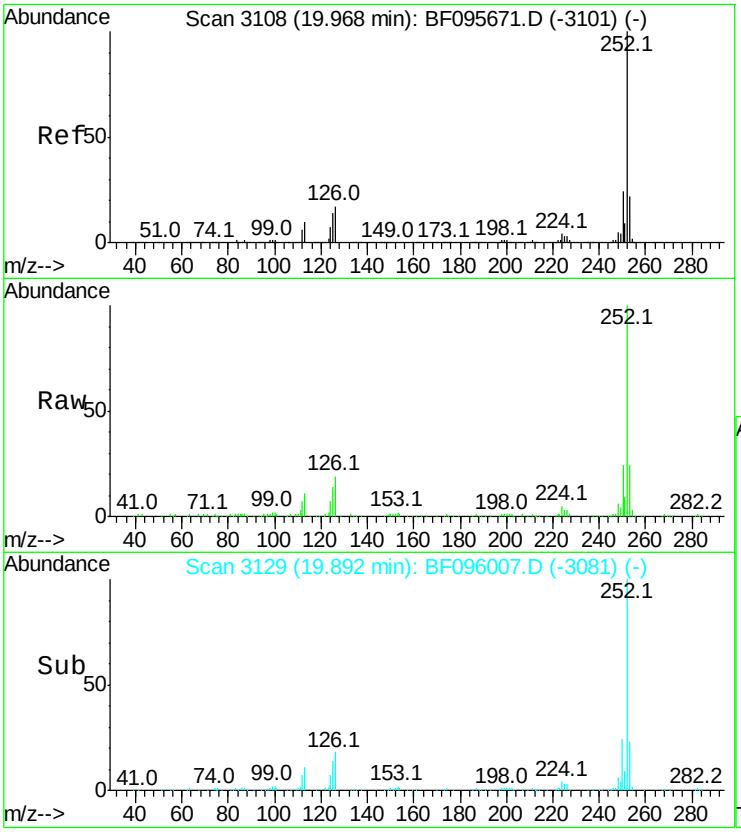


#88
Benzo(k)fluoranthene
Concen: 21.76 ng
RT: 19.54 min Scan# 3070
Delta R.T. -0.05 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Tgt Ion:252 Resp: 194400

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.4	27.6
125	15.0	13.1	19.7



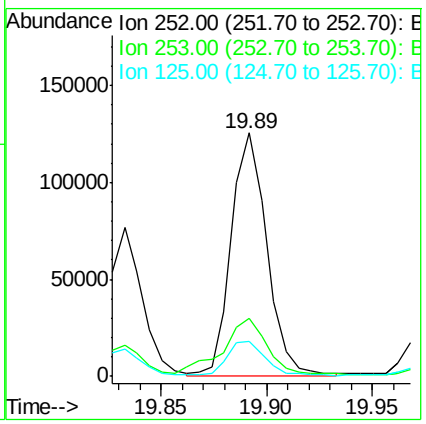


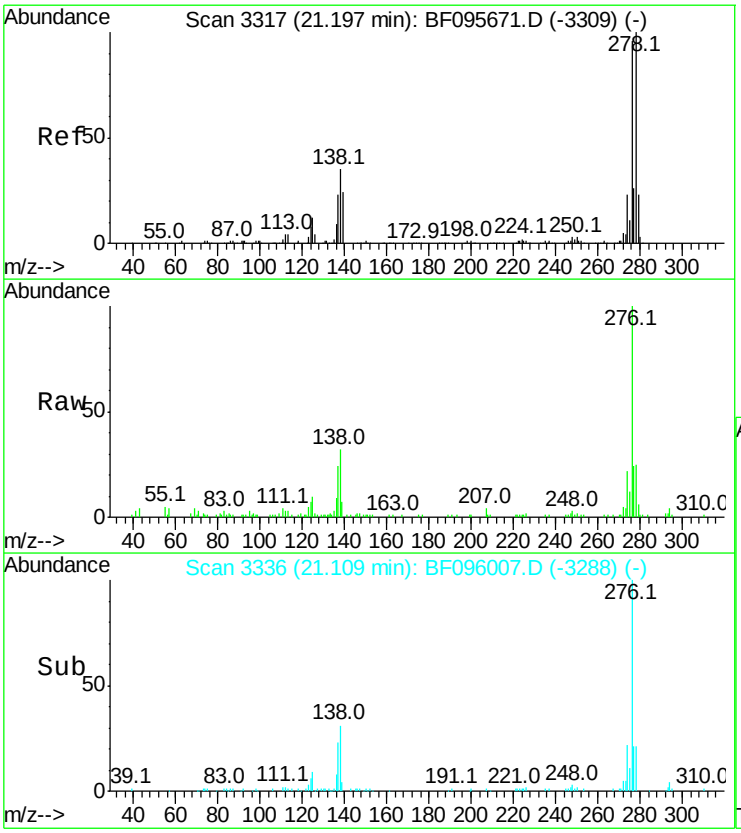
#89
Benzo(a)pyrene
Concen: 16.94 ng
RT: 19.89 min Scan# 3129
Delta R.T. -0.02 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 145475

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	14.2	11.0	16.4

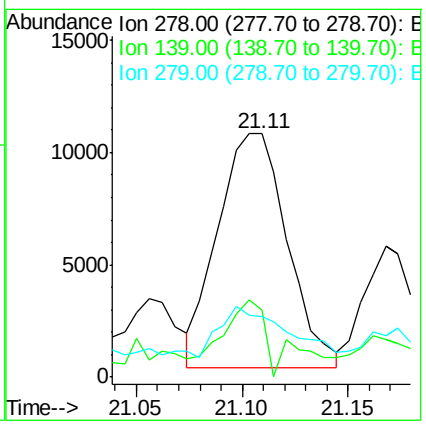


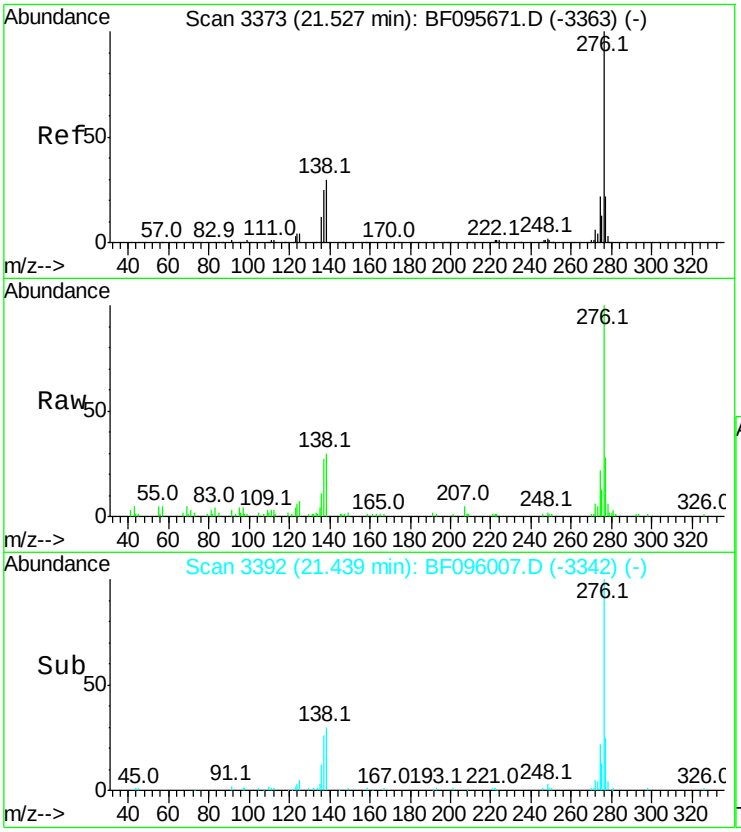


#90
Dibenzo(a,h)anthracene
Concen: 3.27 ng
RT: 21.11 min Scan# 3336
Delta R.T. -0.02 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Tgt Ion:278 Resp: 23822

Ion	Ratio	Lower	Upper
278	100		
139	27.6	16.6	24.8#
279	25.1	19.3	28.9





#91
Benzo(g,h,i)perylene
Concen: 8.83 ng
RT: 21.44 min Scan# 3392
Delta R.T. -0.01 min
Lab File: BF096007.D
Acq: 19 Jun 2017 15:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 65568

Ion	Ratio	Lower	Upper
276	100		
277	27.5	18.6	28.0
138	30.3	25.4	38.0