Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
Data File : BF098093.D
Acq On : 29 Aug 2017 3:48
Operator : SJ/JU
Sample : I4959-04 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2013-RT3425-RT880-RT45915

Quant Time: Aug 29 09:25:50 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 21 15:59:04 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	102263	20.00	ng		-0.01
21) Naphthalene-d8	8.02	136	402687	20.00	ng		-0.01
38) Acenaphthene-d10	9.77	164	180519	20.00	ng		-0.01
63) Phenanthrene-d10	11.26	188	345692	20.00	ng		0.00
75) Chrysene-d12	13.89	240	262755	20.00	ng		0.00
86) Perylene-d12	15.32	264	262734	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.33	112	146932	21.85	ng		-0.02
7) Phenol-d6	6.37	99	200520	21.95	ng		-0.02
23) Nitrobenzene-d5	7.30	82	117341	15.83	ng		-0.02
41) 2,4,6-Tribromophenol	10.56	330	33900	21.64	ng		-0.01
44) 2-Fluorobiphenyl	9.10	172	177477	14.44	ng		-0.01
78) Terphenyl-d14	12.84	244	142338	11.30	ng		-0.01
Target Compounds							Qvalue
48) Acenaphthylene	9.63	152	84003	4.398	ng		99
49) Dimethylphthalate	9.49	163	26984	2.045	ng		98
70) Phenanthrene	11.28	178	133338	7.238	ng		99
71) Anthracene	11.33	178	46891	2.510	ng		98
74) Fluoranthene	12.47	202	176344	9.172	ng		98
77) Pyrene	12.69	202	246734	11.481	ng		98
80) Benzo(a)anthracene	13.88	228	129206m	8.205	ng		
82) Chrysene	13.92	228	122034	7.790	ng	#	97
85) Indeno(1,2,3-cd)pyrene	16.69	276	76810	6.665	ng		93
87) Benzo(b)fluoranthene	14.91	252	144359m	8.717	ng		
88) Benzo(k)fluoranthene	14.92	252	45625m	2.932	ng		
89) Benzo(a)pyrene	15.25	252	142203	9.699	ng		99
91) Benzo(g,h,i)perylene	17.10	276	91016	7.308	ng		93

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

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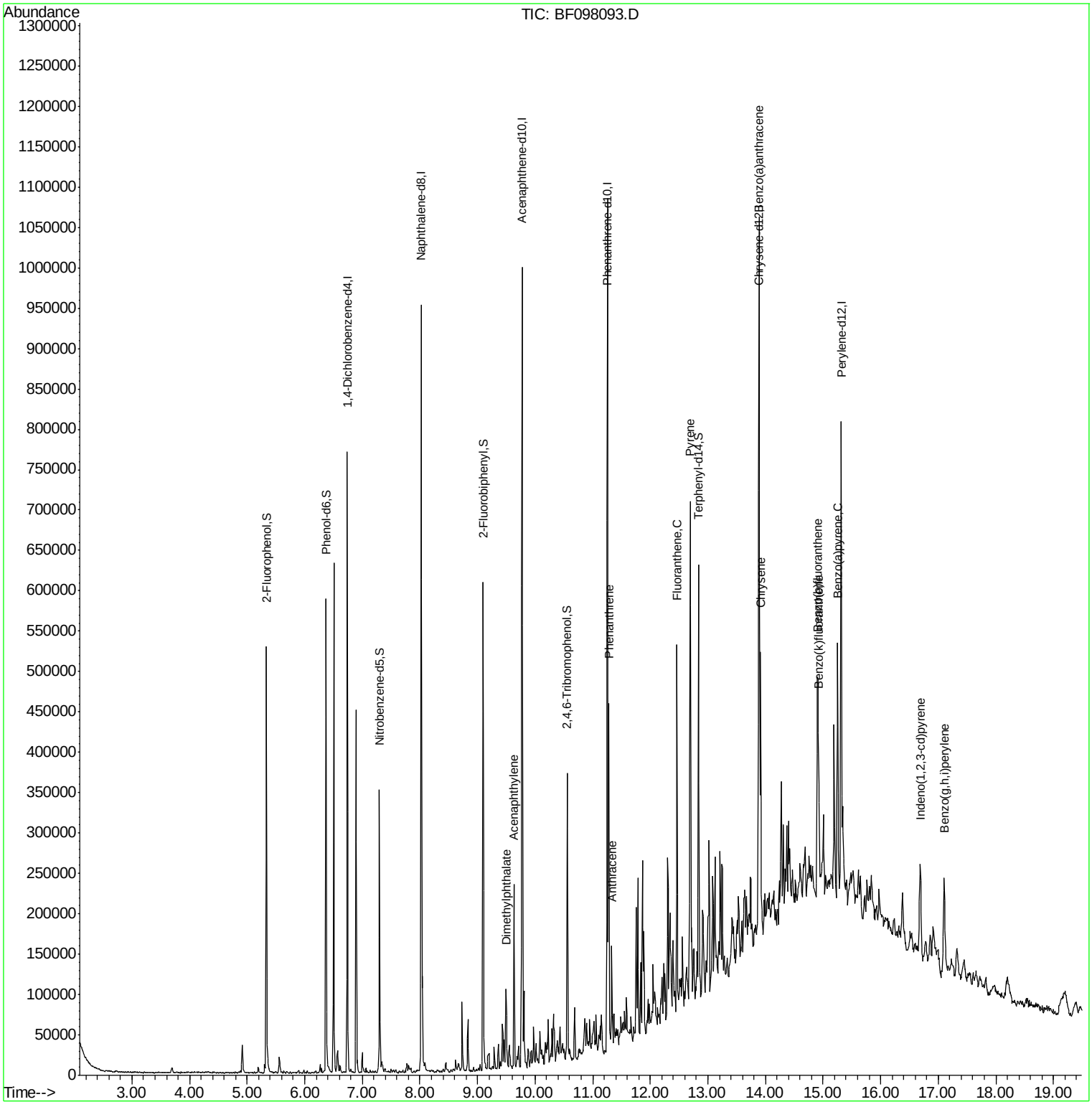
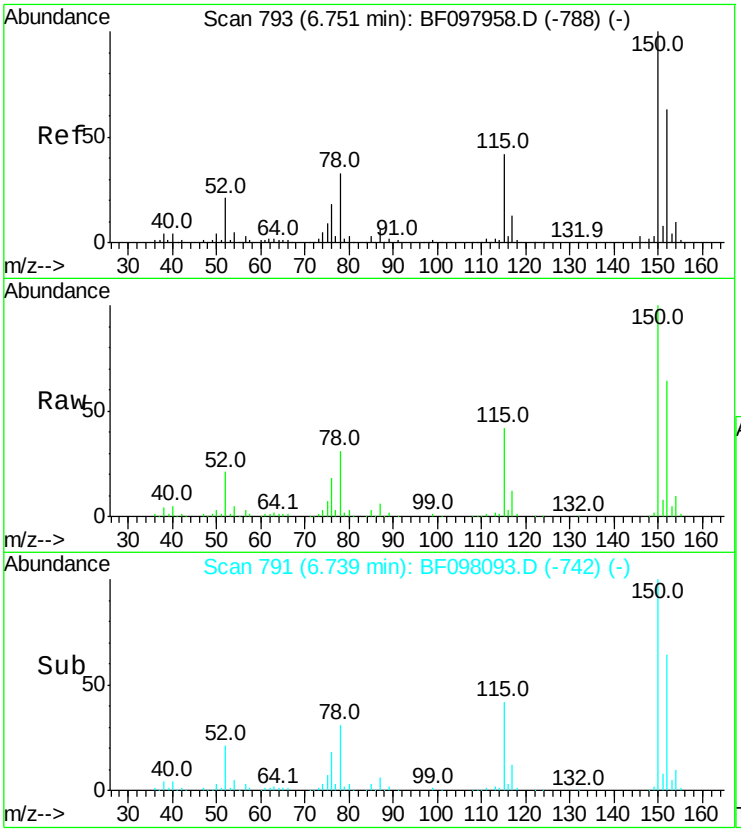
2013-RT3425-RT880-RT45915

Quant Time: Aug 29 09:25:50 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 21 15:59:04 2017
Response via : Initial Calibration



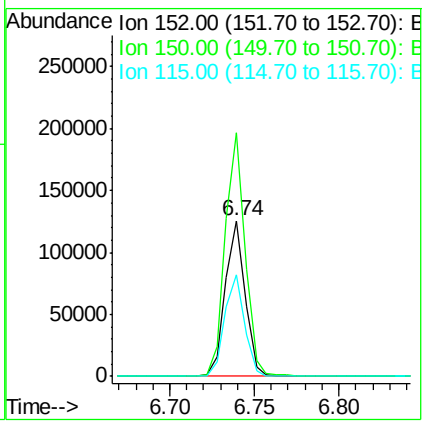


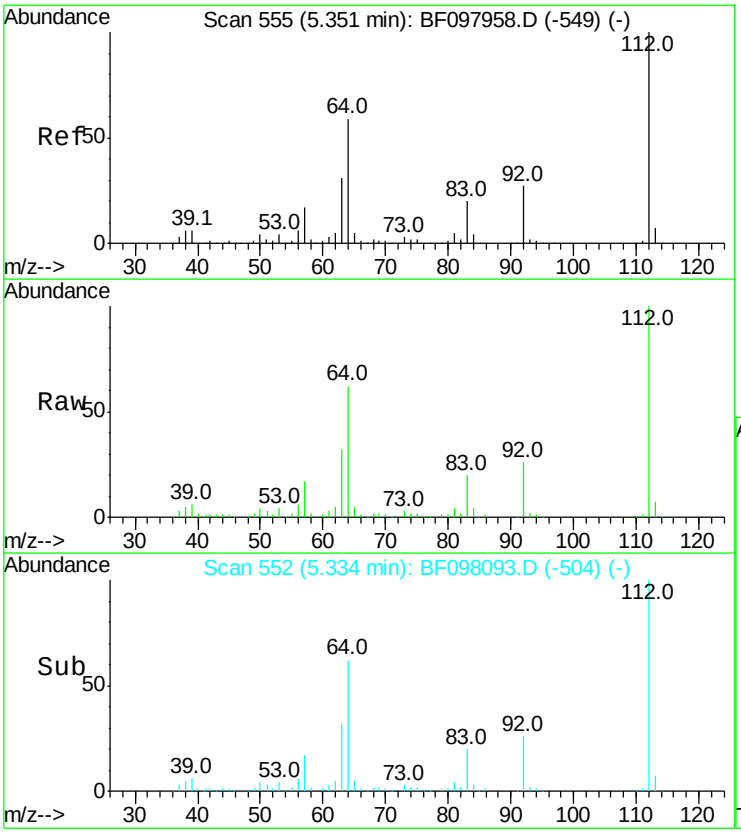
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098093.D
Acq: 29 Aug 2017 3:48

Instrument :
BNA_F
ClientSampleId :
2013-RT3425-RT880-RT45915

Tgt Ion:152 Resp: 102263

Ion	Ratio	Lower	Upper
152	100		
150	156.2	126.2	189.2
115	64.8	52.2	78.2

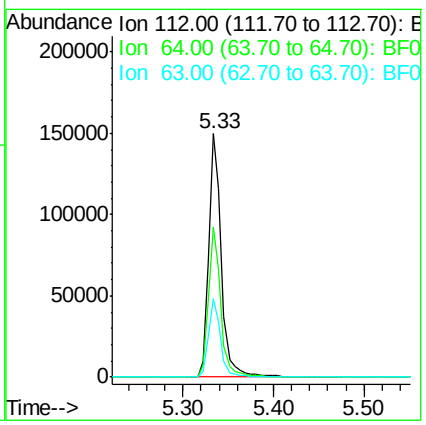


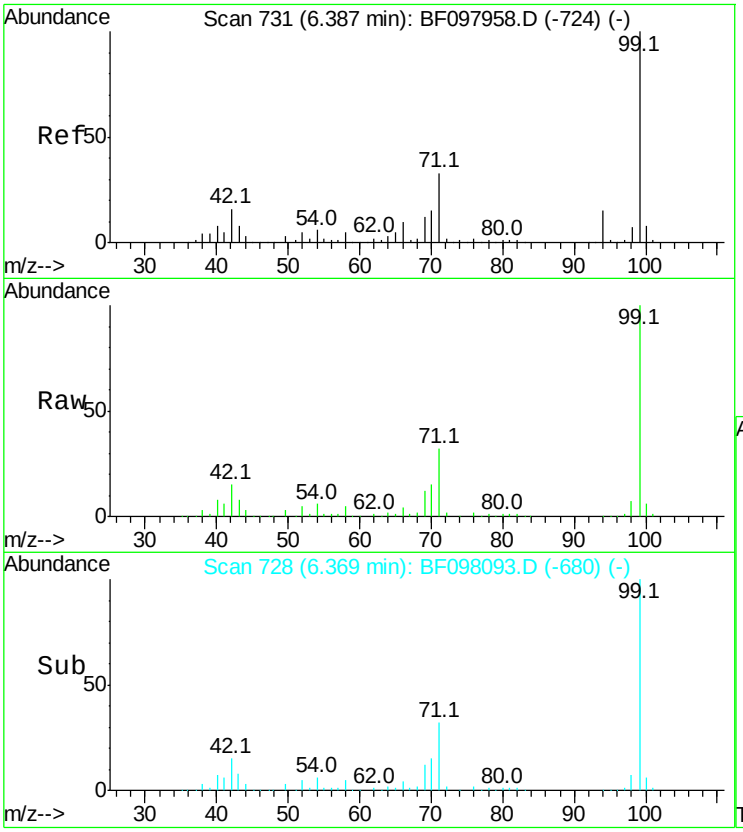


#5
2-Fluorophenol
Concen: 21.855 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF098093.D
Acq: 29 Aug 2017 3:48

Tgt Ion:112 Resp: 146932

Ion	Ratio	Lower	Upper
112	100		
64	61.9	46.0	69.0
63	32.3	23.4	35.0



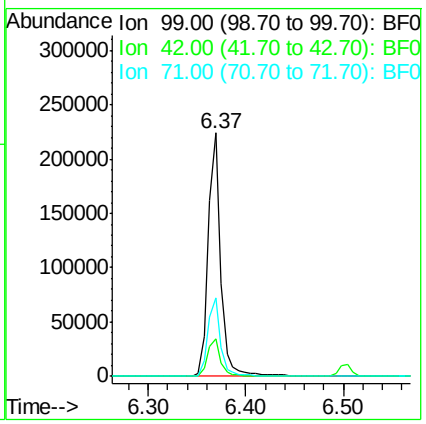


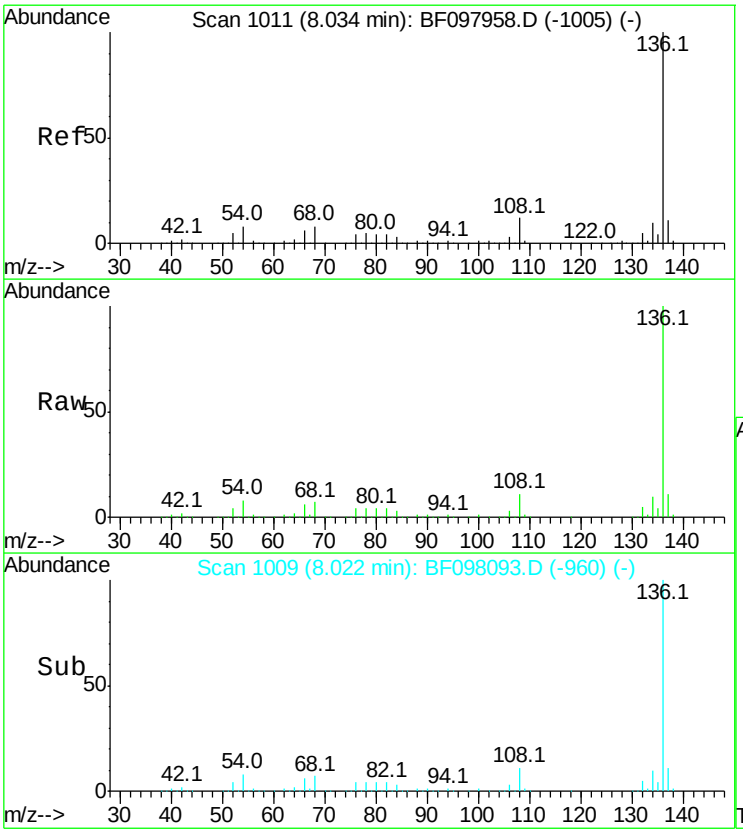
#7
Phenol-d6
Concen: 21.951 ng
RT: 6.37 min Scan# 728
Delta R.T. -0.02 min
Lab File: BF098093.D
Acq: 29 Aug 2017 3:48

Instrument :
BNA_F
ClientSampleId :
2013-RT3425-RT880-RT45915

Tgt Ion: 99 Resp: 200520

Ion	Ratio	Lower	Upper
99	100		
42	15.4	13.5	20.3
71	32.2	24.5	36.7

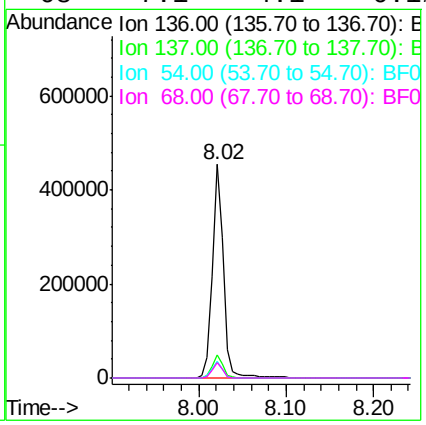


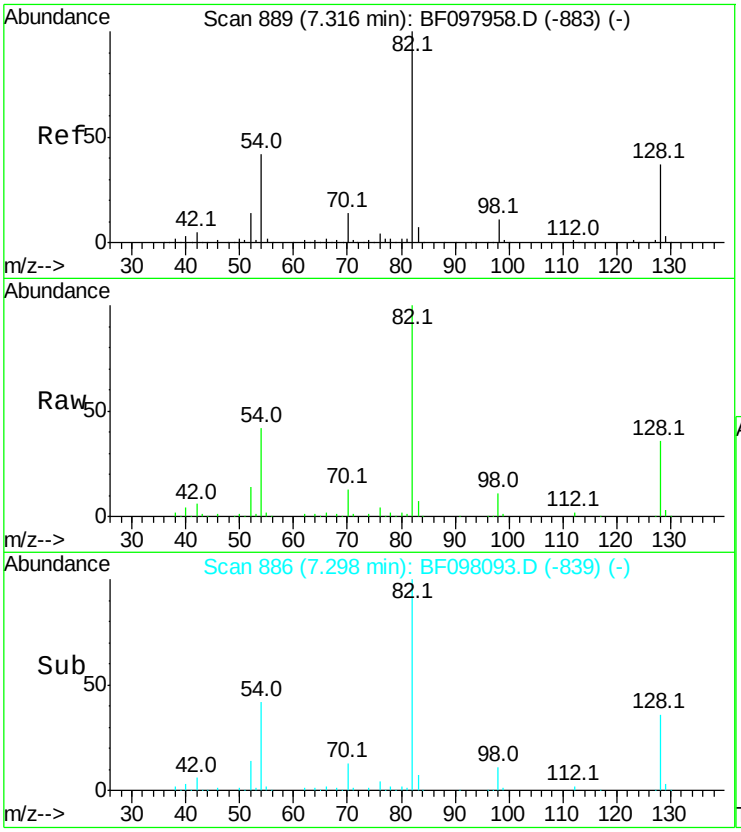


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF098093.D
Acq: 29 Aug 2017 3:48

Tgt Ion:136 Resp: 402687

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	7.8	4.9	7.3#
68	7.1	4.1	6.1#



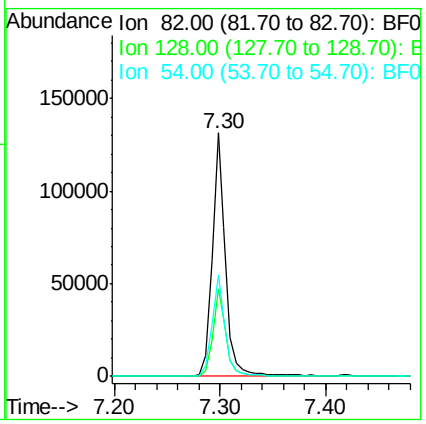


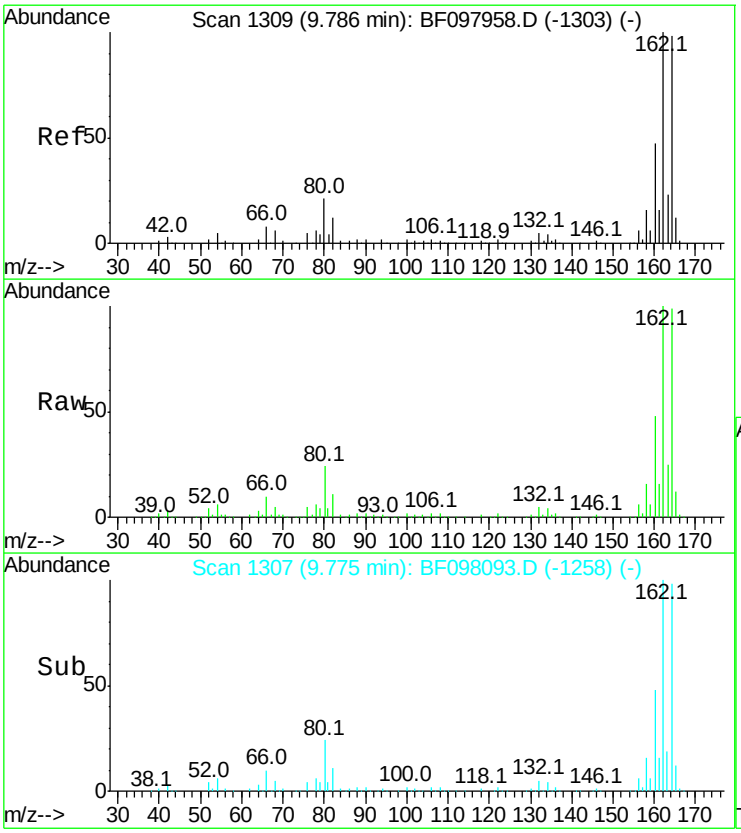
#23
Nitrobenzene-d5
Concen: 15.830 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.02 min
Lab File: BF098093.D
Acq: 29 Aug 2017 3:48

Instrument :
BNA_F
ClientSampleId :
2013-RT3425-RT880-RT45915

Tgt Ion: 82 Resp: 117341

Ion	Ratio	Lower	Upper
82	100		
128	36.1	34.0	51.0
54	41.8	42.2	63.2#

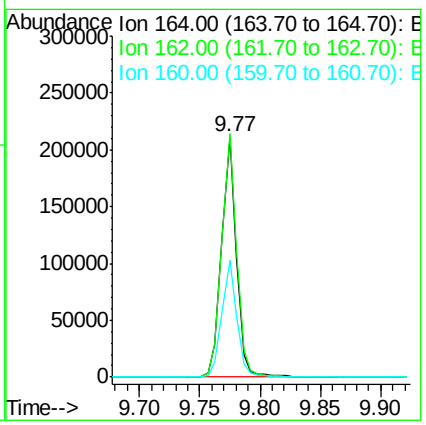


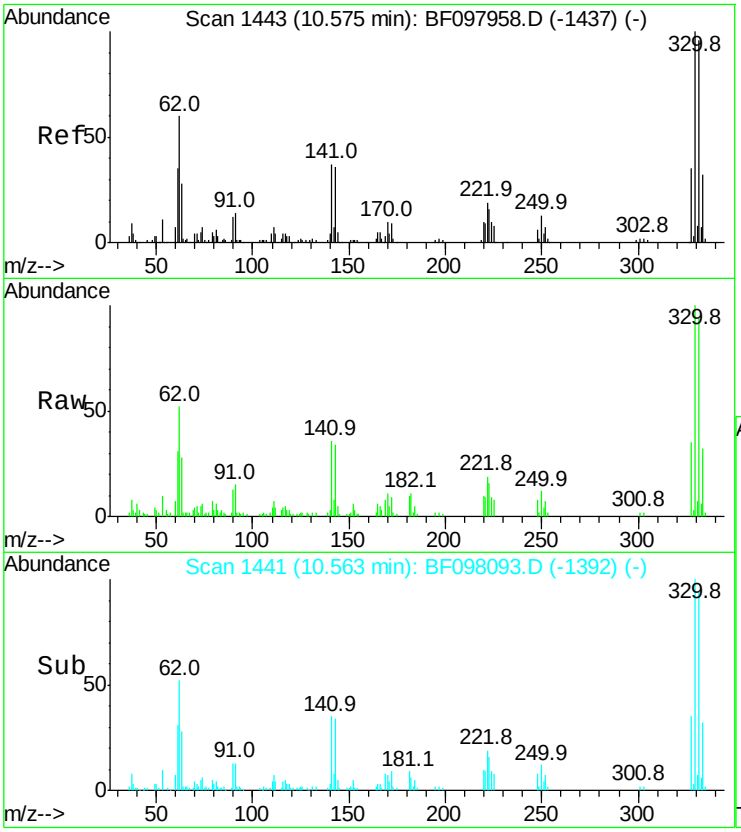


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF098093.D
Acq: 29 Aug 2017 3:48

Tgt Ion:164 Resp: 180519

Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.6	123.8
160	48.8	36.2	54.2



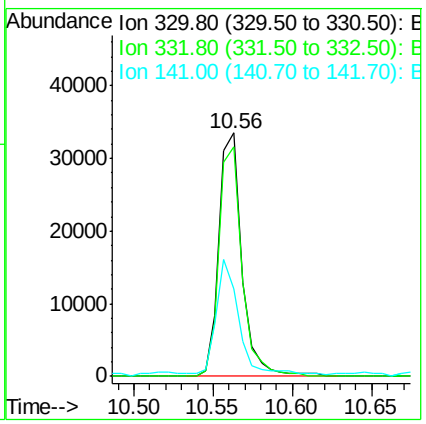


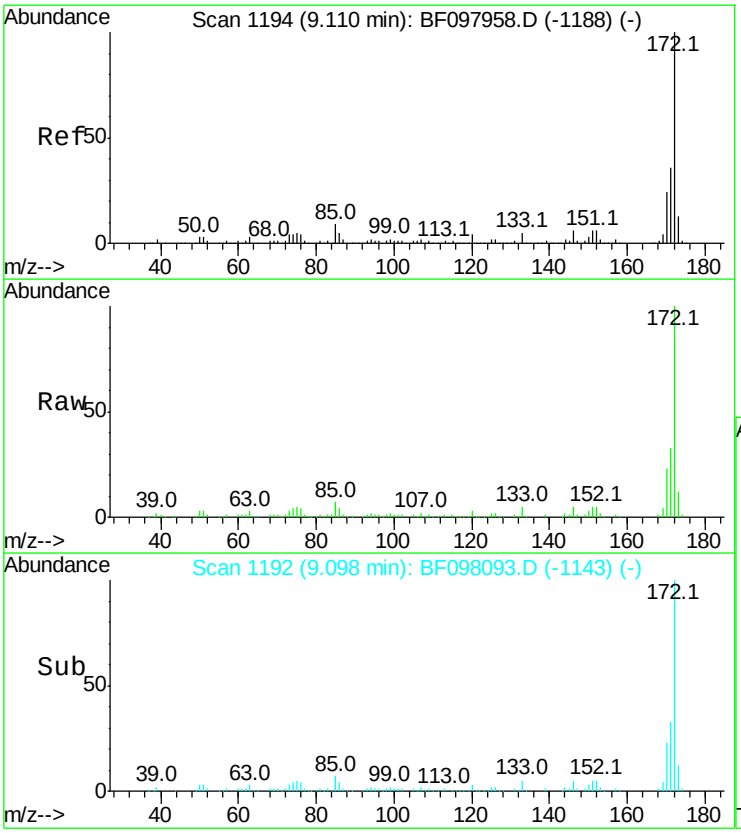
#41
2,4,6-Tribromophenol
Concen: 21.643 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF098093.D
Acq: 29 Aug 2017 3:48

Instrument :
BNA_F
ClientSampleId :
2013-RT3425-RT880-RT45915

Tgt Ion:330 Resp: 33900

Ion	Ratio	Lower	Upper
330	100		
332	94.1	76.6	115.0
141	45.4	31.4	47.2

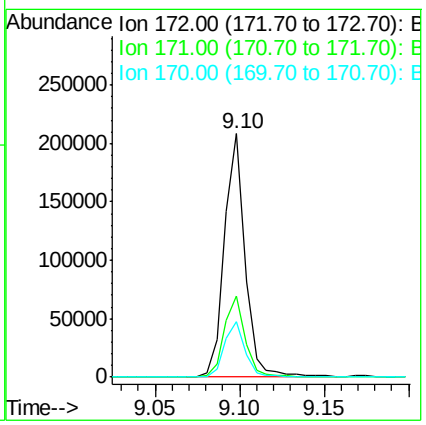


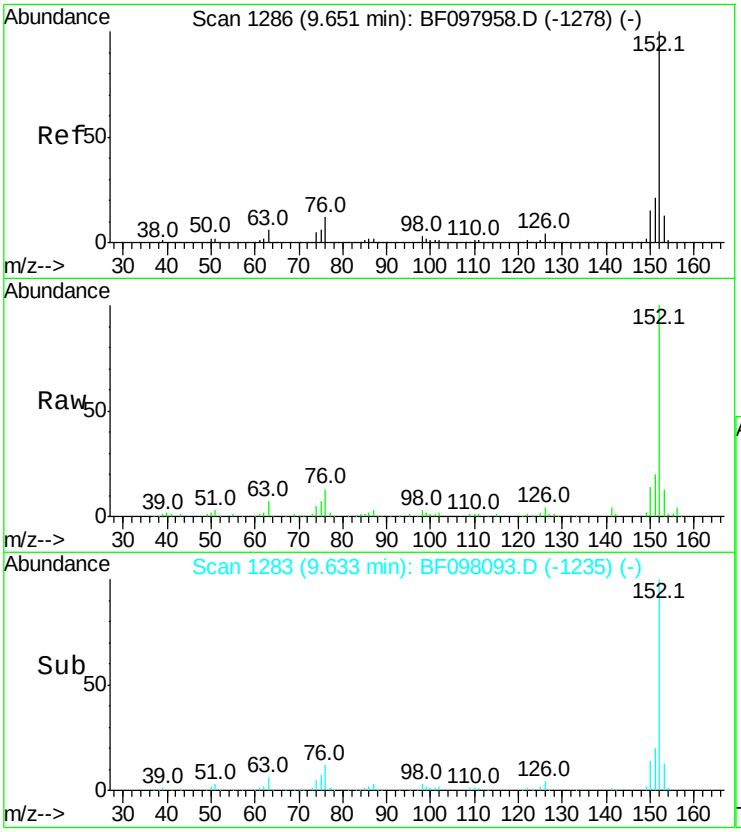


#44
2-Fluorobiphenyl
Concen: 14.444 ng
RT: 9.10 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF098093.D
Acq: 29 Aug 2017 3:48

Tgt Ion:172 Resp: 177477

Ion	Ratio	Lower	Upper
172	100		
171	33.2	29.6	44.4
170	22.9	19.8	29.8



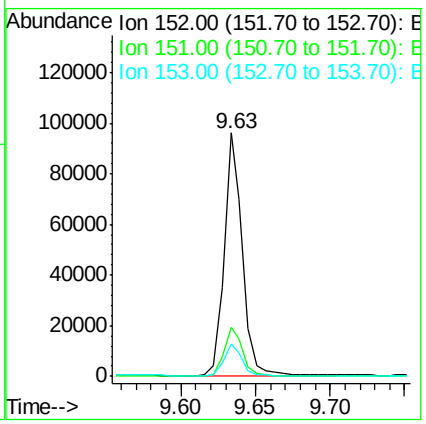


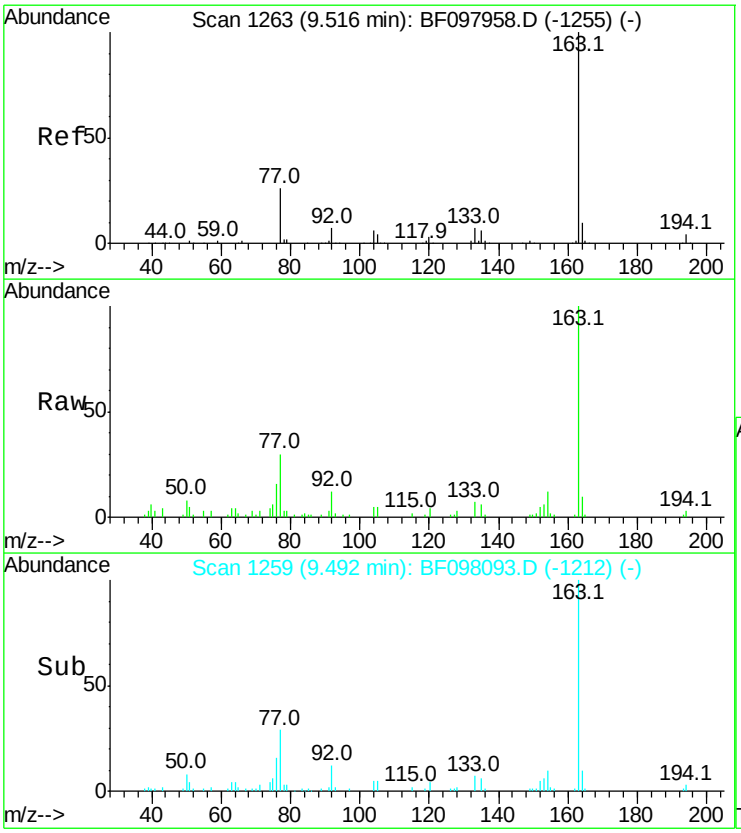
#48
Acenaphthylene
Concen: 4.398 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF098093.D
Acq: 29 Aug 2017 3:48

Instrument :
BNA_F
ClientSampleId :
2013-RT3425-RT880-RT45915

Tgt Ion:152 Resp: 84003

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.8	25.2
153	13.5	10.8	16.2

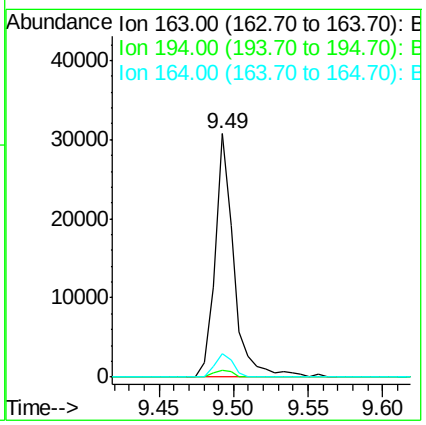


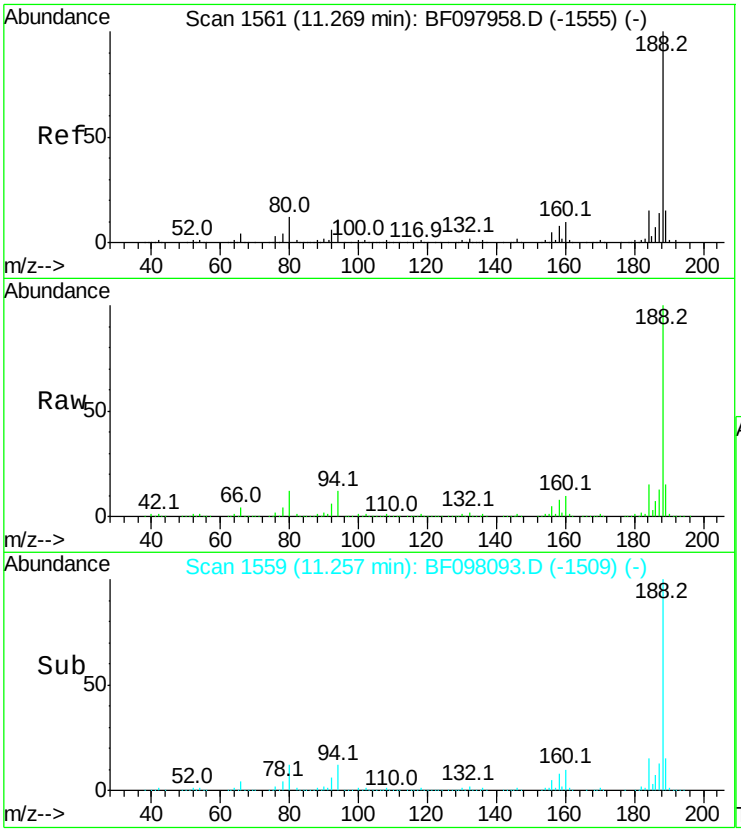


#49
Dimethylphthalate
Concen: 2.045 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF098093.D
Acq: 29 Aug 2017 3:48

Tgt Ion:163 Resp: 26984

Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.6	4.0
164	9.7	8.4	12.6



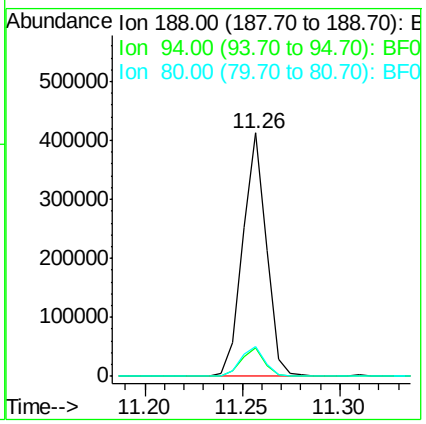


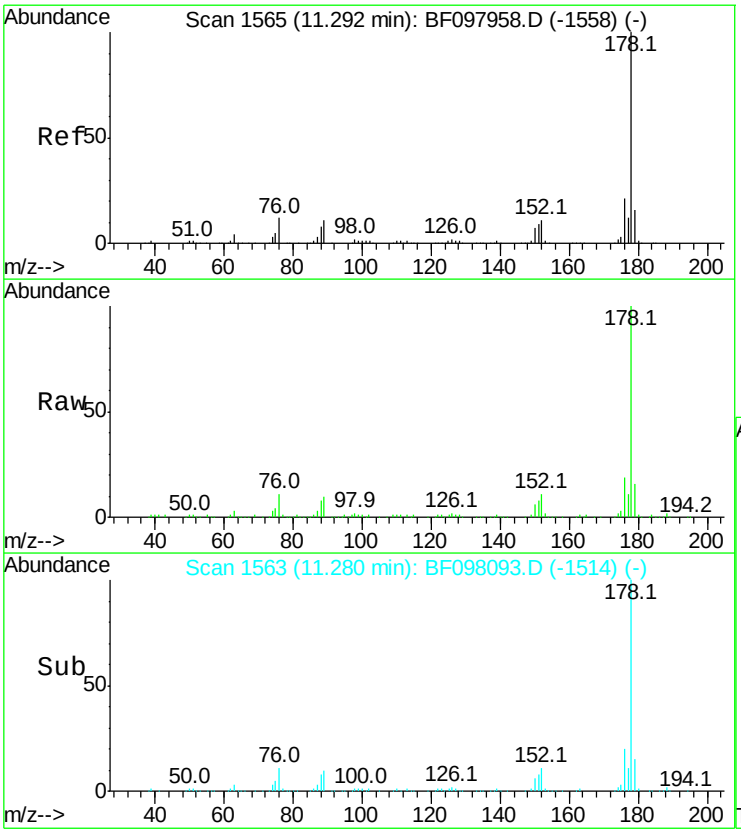
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF098093.D
Acq: 29 Aug 2017 3:48

Instrument :
BNA_F
ClientSampleId :
2013-RT3425-RT880-RT45915

Tgt Ion:188 Resp: 345692

Ion	Ratio	Lower	Upper
188	100		
94	11.7	9.4	14.2
80	12.2	10.2	15.2

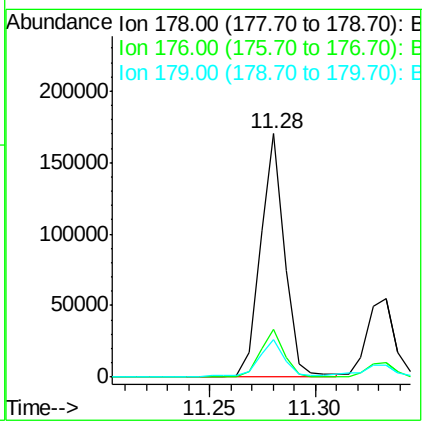


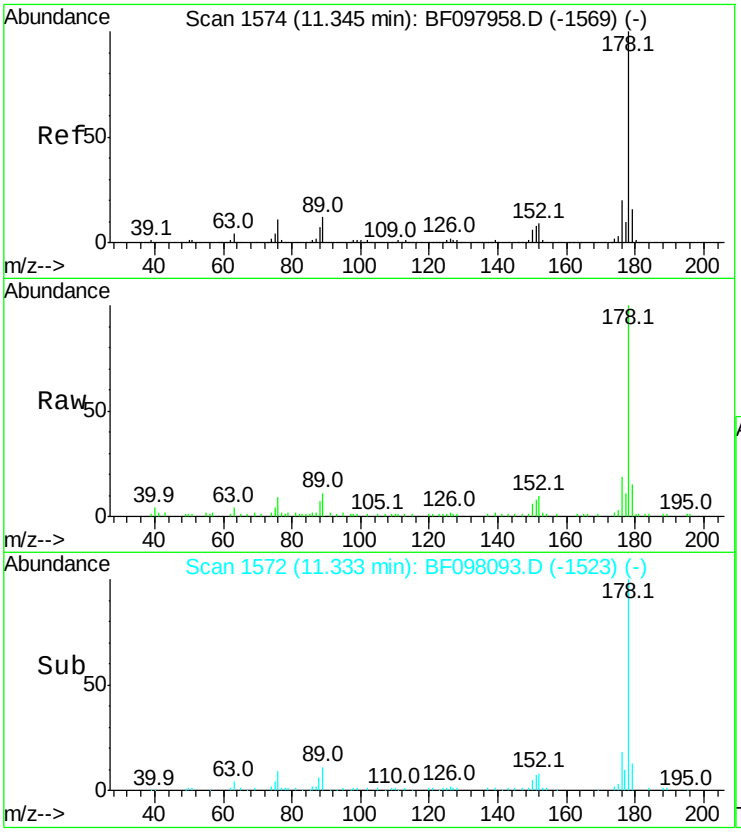


#70
Phenanthrene
Concen: 7.238 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF098093.D
Acq: 29 Aug 2017 3:48

Tgt Ion:178 Resp: 133338

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



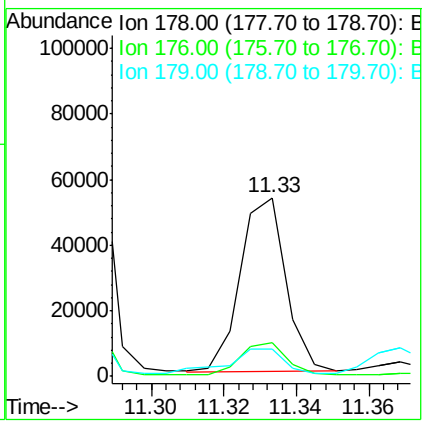


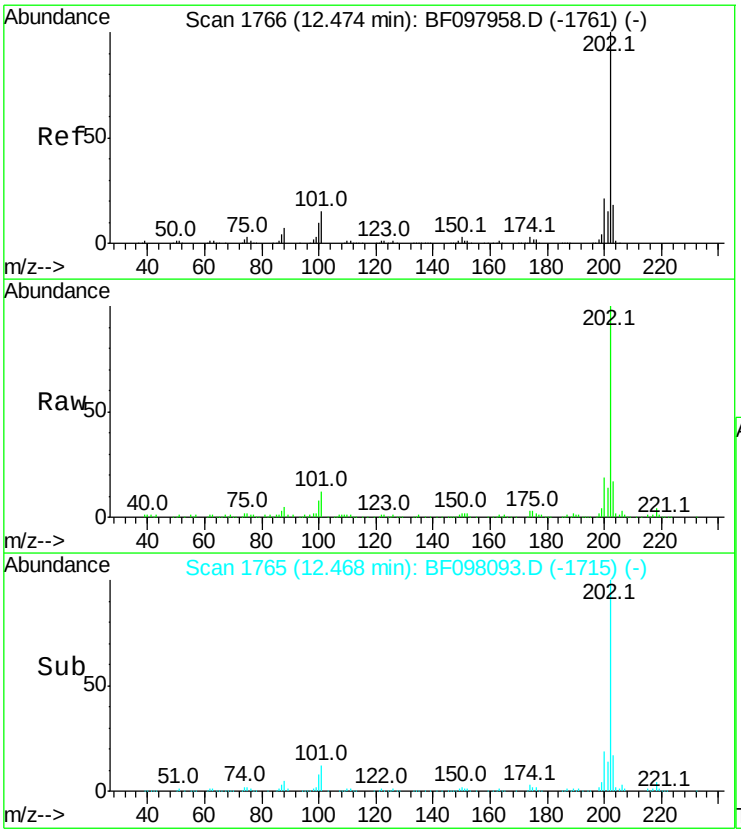
#71
Anthracene
Concen: 2.510 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF098093.D
Acq: 29 Aug 2017 3:48

Instrument :
BNA_F
ClientSampleId :
2013-RT3425-RT880-RT45915

Tgt Ion:178 Resp: 46891

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.1	12.7	19.1

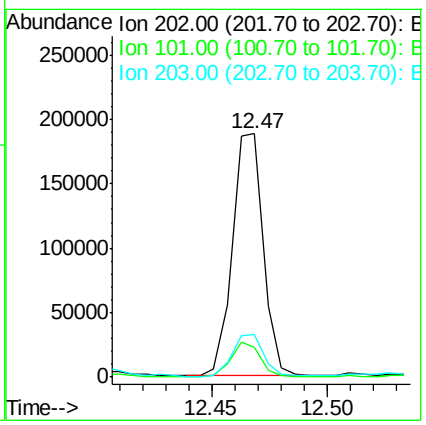


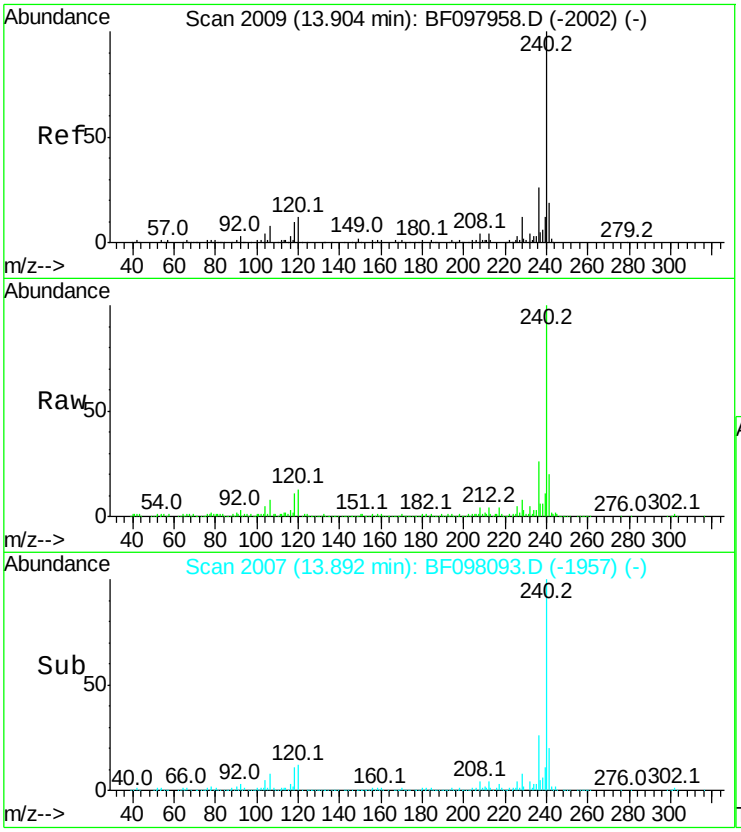


#74
Fluoranthene
Concen: 9.172 ng
RT: 12.47 min Scan# 1765
Delta R.T. -0.01 min
Lab File: BF098093.D
Acq: 29 Aug 2017 3:48

Tgt Ion:202 Resp: 176344

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.2
203	17.3	0.0	38.1



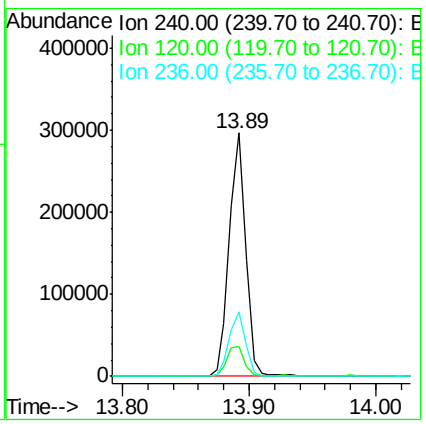


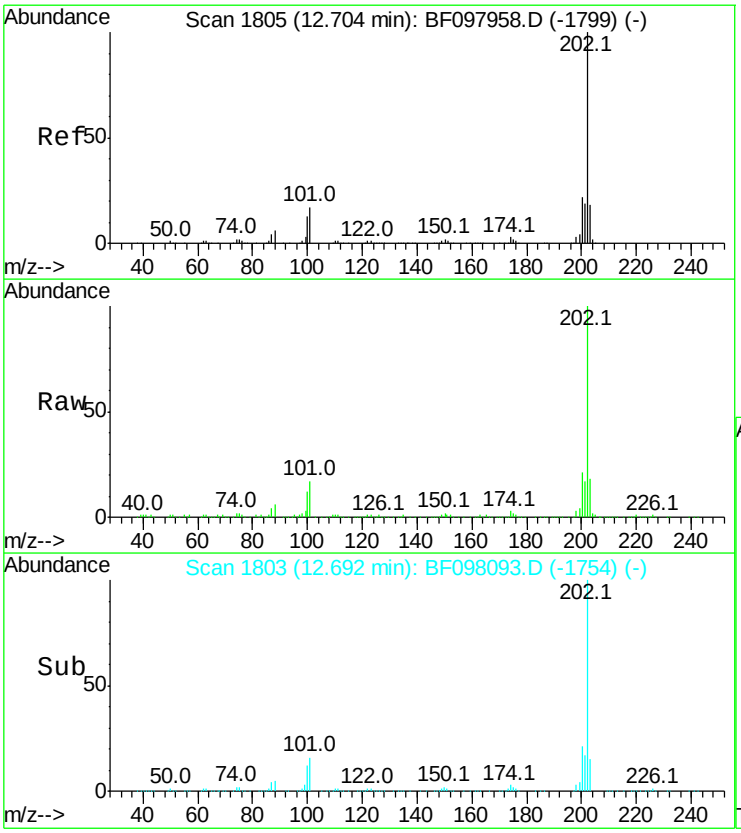
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF098093.D
Acq: 29 Aug 2017 3:48

Instrument :
BNA_F
ClientSampleId :
2013-RT3425-RT880-RT45915

Tgt Ion:240 Resp: 262755

Ion	Ratio	Lower	Upper
240	100		
120	12.5	5.8	8.8#
236	26.5	20.5	30.7

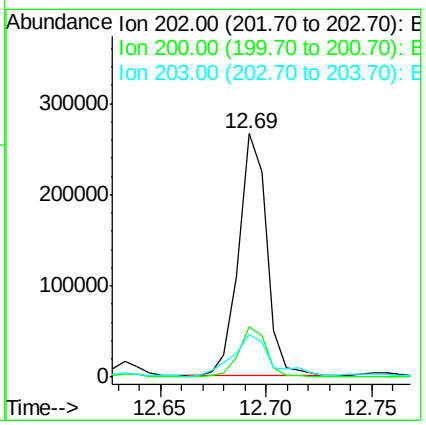


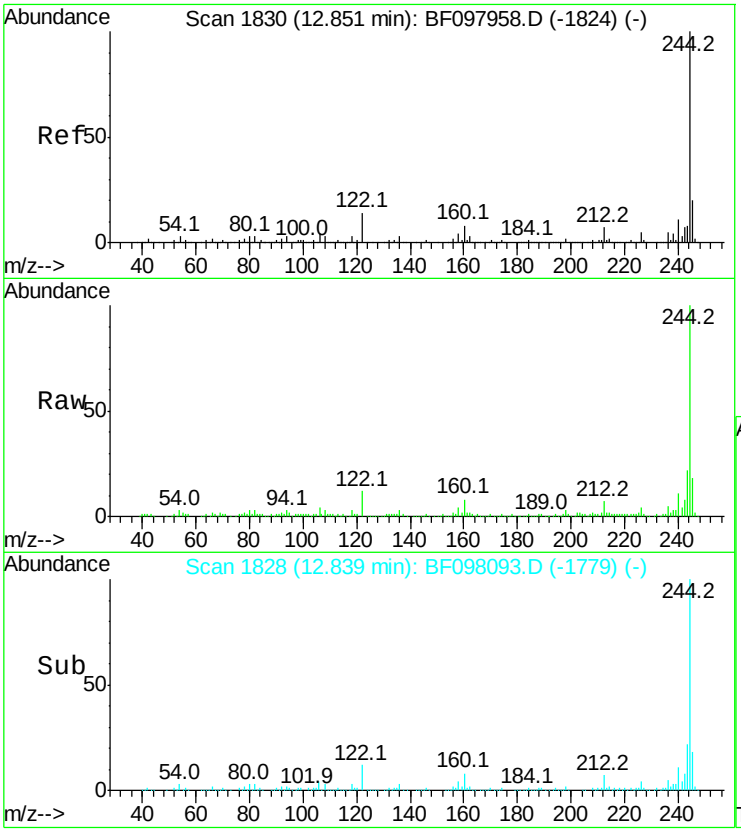


#77
Pyrene
Concen: 11.481 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF098093.D
Acq: 29 Aug 2017 3:48

Tgt Ion:202 Resp: 246734

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.6	26.4
203	17.6	14.4	21.6



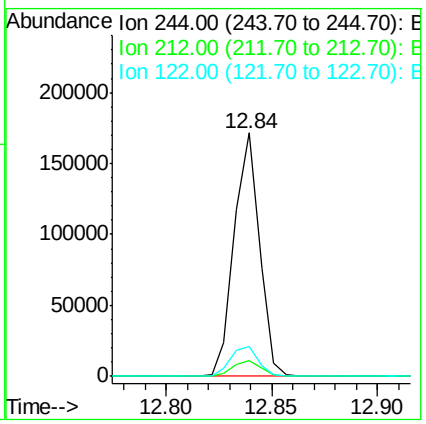


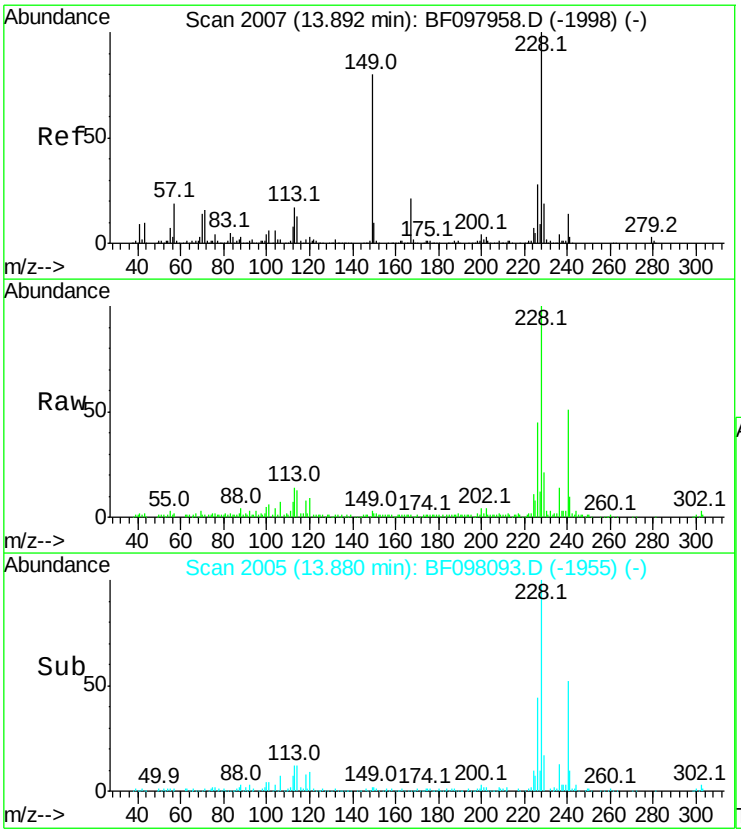
#78
Terphenyl-d14
Concen: 11.297 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF098093.D
Acq: 29 Aug 2017 3:48

Instrument :
BNA_F
ClientSampleId :
2013-RT3425-RT880-RT45915

Tgt Ion:244 Resp: 142338

Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	12.4	10.3	15.5

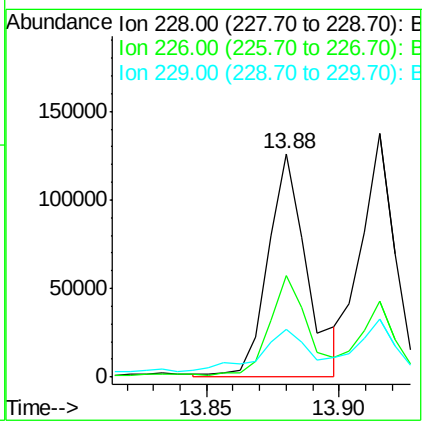


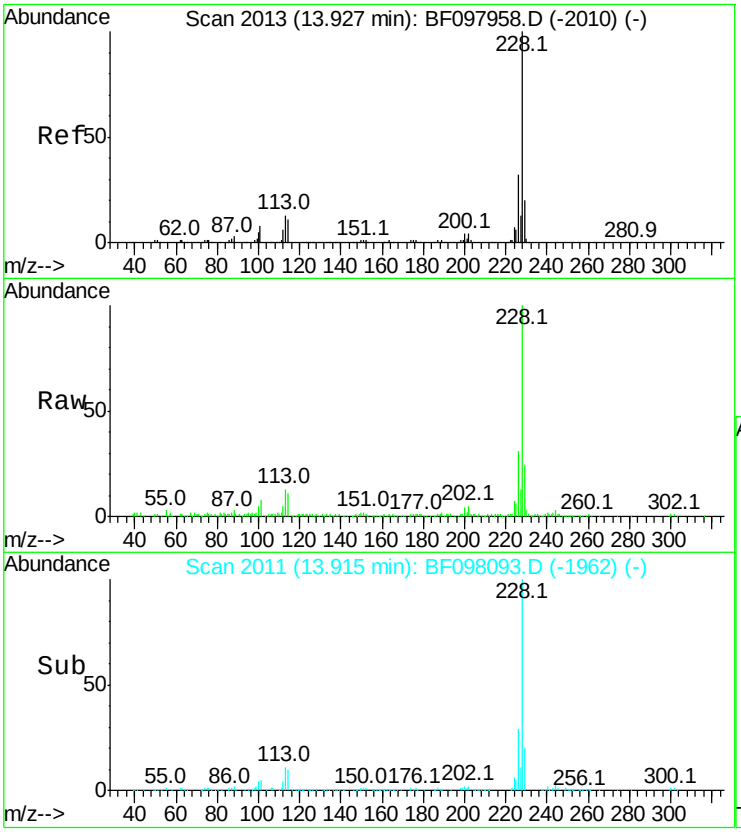


#80
Benzo(a)anthracene
Concen: 8.205 ng m
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF098093.D
Acq: 29 Aug 2017 3:48

Tgt Ion:228 Resp: 129206

Ion	Ratio	Lower	Upper
228	100		
226	45.4	22.6	33.8#
229	21.4	16.3	24.5



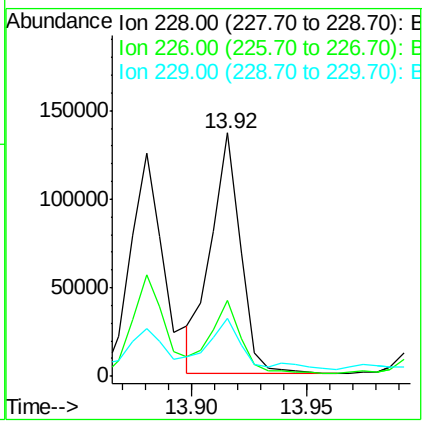


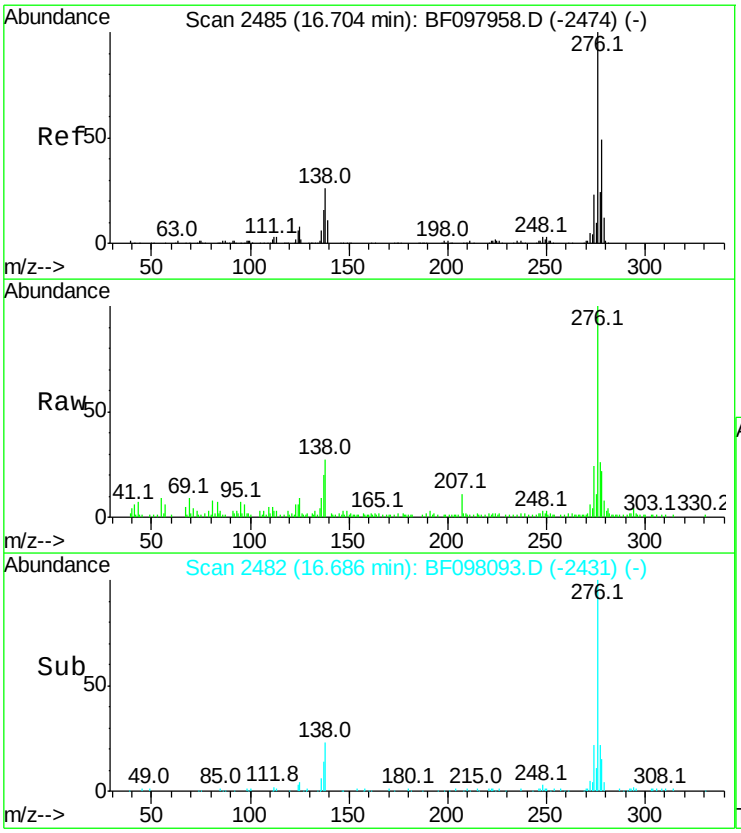
#82
Chrysene
Concen: 7.790 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF098093.D
Acq: 29 Aug 2017 3:48

Instrument :
BNA_F
ClientSampleId :
2013-RT3425-RT880-RT45915

Tgt Ion:228 Resp: 122034

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.9	37.3
229	23.8	15.8	23.6#

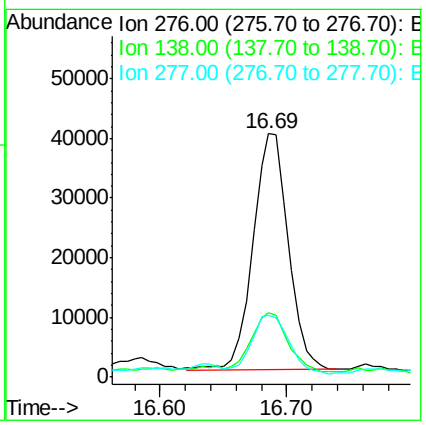


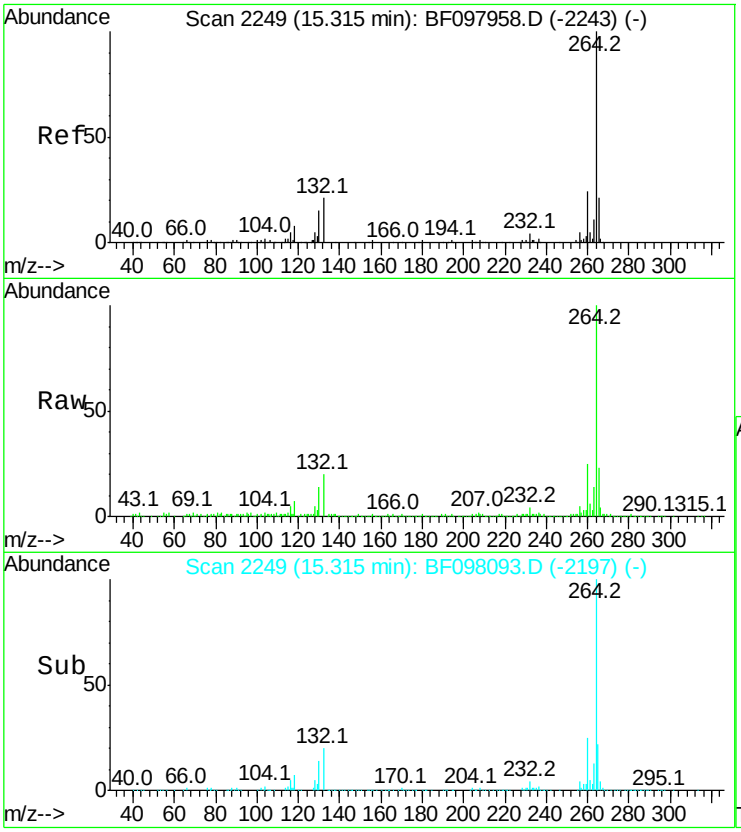


#85
Indeno(1,2,3-cd)pyrene
Concen: 6.665 ng
RT: 16.69 min Scan# 2482
Delta R.T. -0.00 min
Lab File: BF098093.D
Acq: 29 Aug 2017 3:48

Tgt Ion:276 Resp: 76810

Ion	Ratio	Lower	Upper
276	100		
138	28.1	27.8	41.6
277	26.2	20.2	30.4



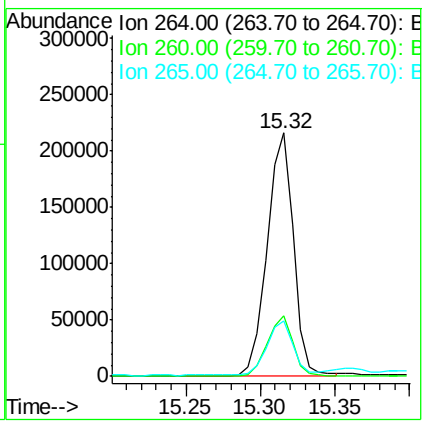


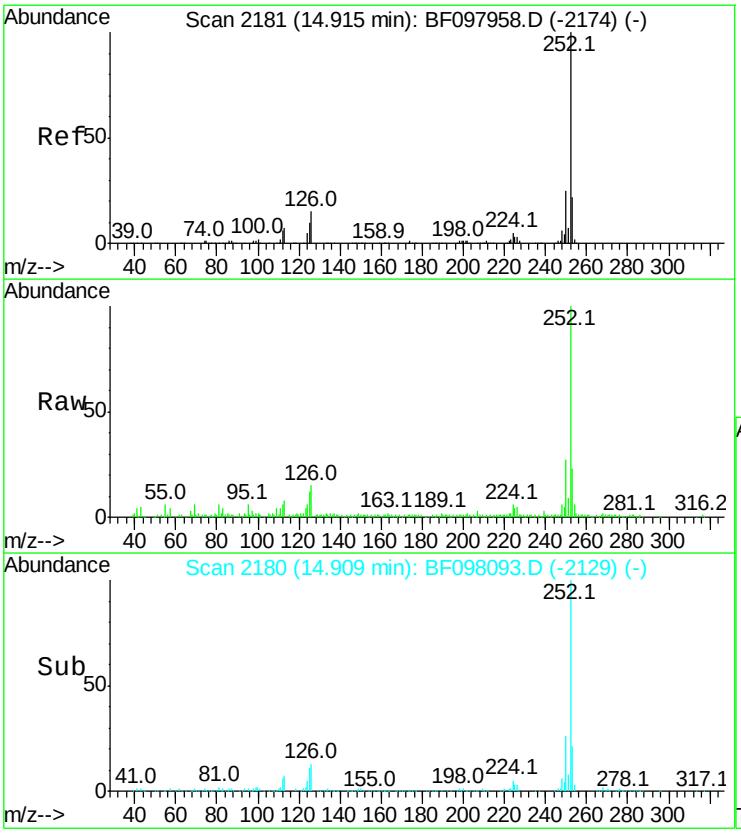
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF098093.D
Acq: 29 Aug 2017 3:48

Instrument :
BNA_F
ClientSampleId :
2013-RT3425-RT880-RT45915

Tgt Ion:264 Resp: 262734

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.5	29.3
265	22.9	17.2	25.8

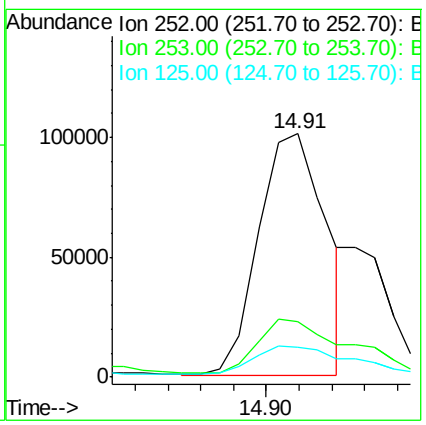


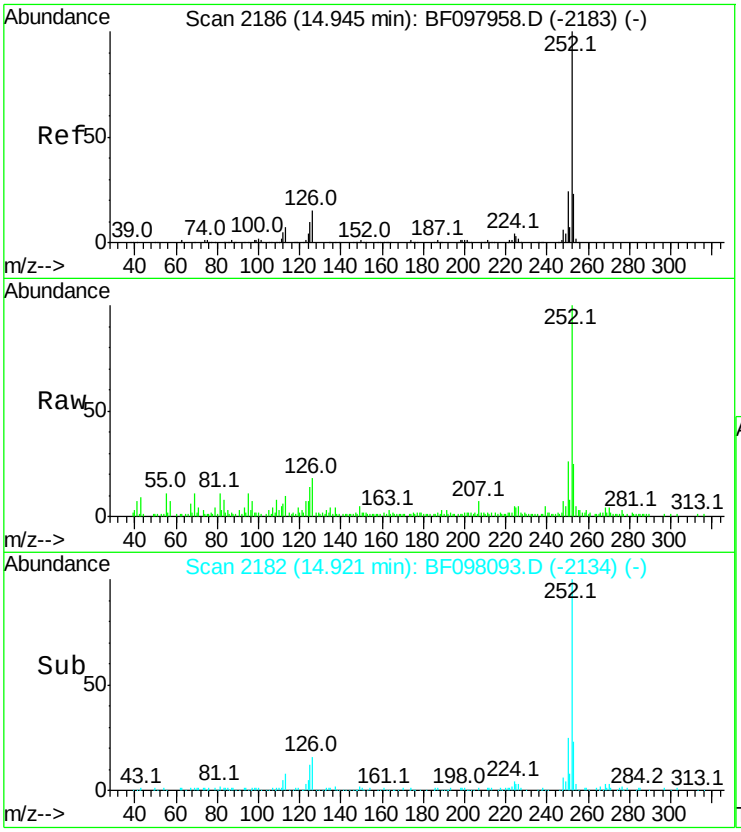


#87
Benzo(b)fluoranthene
Concen: 8.717 ng m
RT: 14.91 min Scan# 2180
Delta R.T. -0.00 min
Lab File: BF098093.D
Acq: 29 Aug 2017 3:48

Tgt Ion:252 Resp: 144359

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	12.3	9.8	14.8



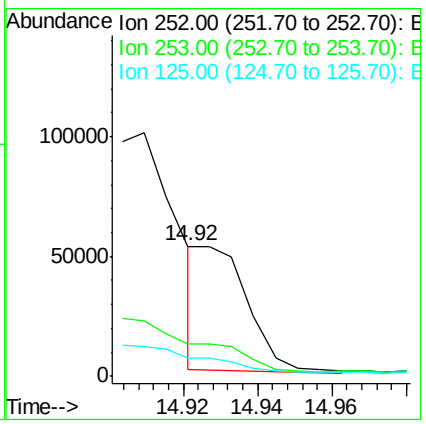


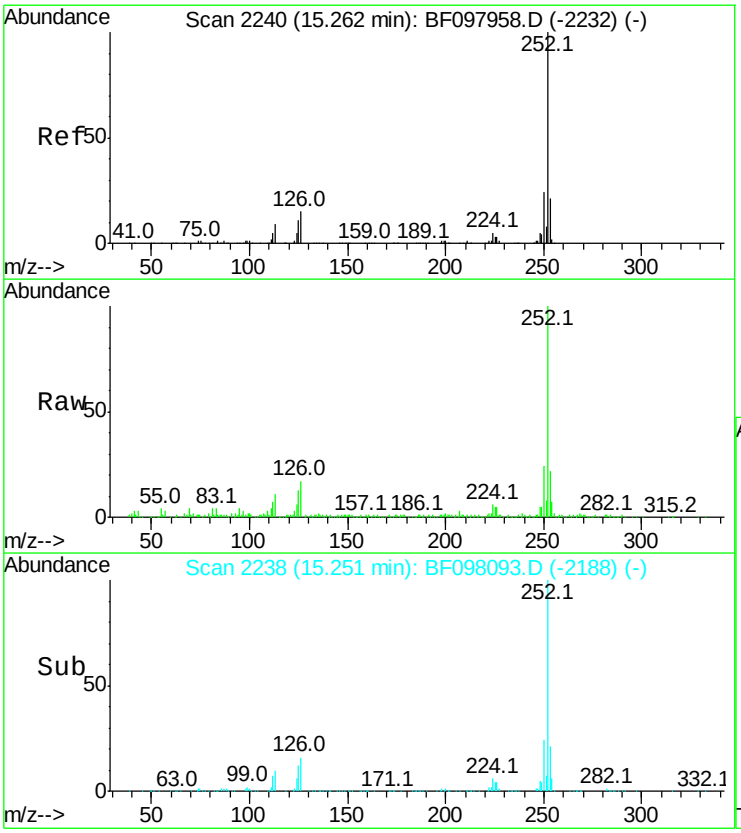
#88
Benzo(k)fluoranthene
Concen: 2.932 ng m
RT: 14.92 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BF098093.D
Acq: 29 Aug 2017 3:48

Instrument :
BNA_F
ClientSampleId :
2013-RT3425-RT880-RT45915

Tgt Ion:252 Resp: 45625

Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.4	27.6
125	14.1	13.1	19.7

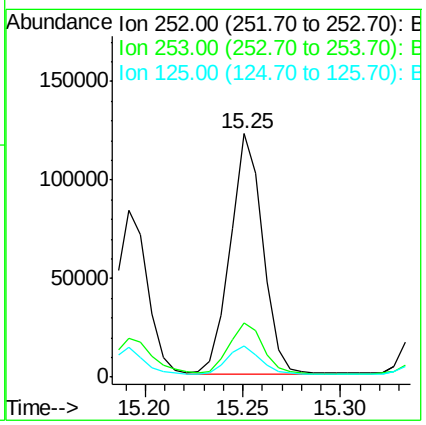


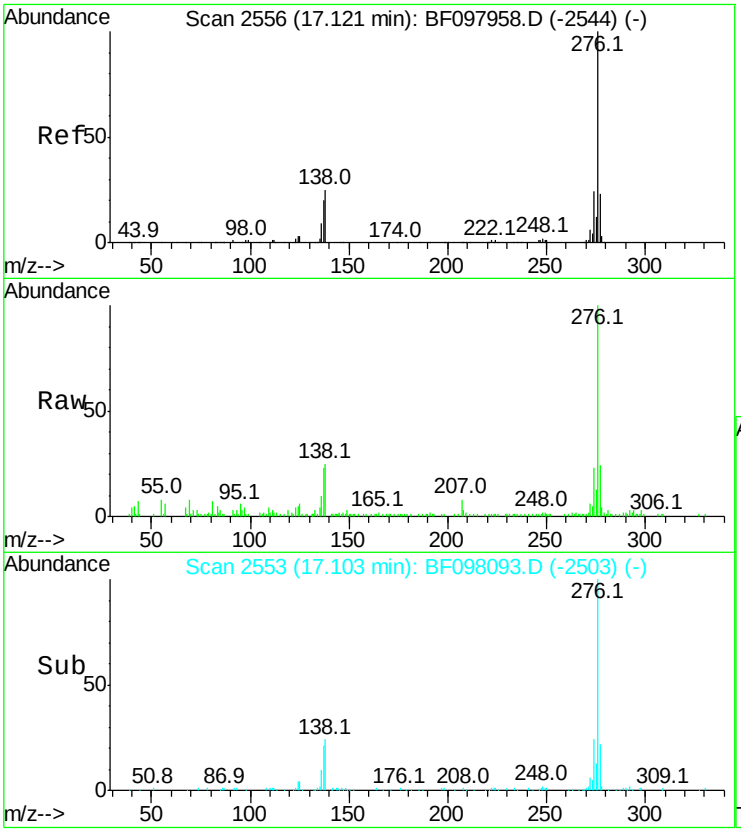


#89
Benzo(a)pyrene
Concen: 9.699 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BF098093.D
Acq: 29 Aug 2017 3:48

Tgt Ion:252 Resp: 142203

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	13.0	11.0	16.4





#91
Benzo(g,h,i)perylene
Concen: 7.308 ng
RT: 17.10 min Scan# 2553
Delta R.T. -0.01 min
Lab File: BF098093.D
Acq: 29 Aug 2017 3:48

Instrument :
BNA_F
ClientSampleId :
2013-RT3425-RT880-RT45915

Tgt Ion:276 Resp: 91016

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.6	28.0
138	25.4	25.4	38.0