Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
Data File : BF097778.D
Acq On : 17 Aug 2017 10:05
Operator : SJ/JU
Sample : I4791-04 10X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-33-COMP

Quant Time: Aug 17 14:56:41 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 15 13:25:08 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	160782	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	602758	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	244457	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	359462	20.00	ng	0.00
75) Chrysene-d12	13.93	240	295563	20.00	ng	0.00
86) Perylene-d12	15.37	264	255127	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	80037	7.57	ng	-0.01
7) Phenol-d6	6.40	99	159922	11.14	ng	-0.01
23) Nitrobenzene-d5	7.33	82	99966	9.01	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	6310	2.97	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	148192	8.91	ng	-0.01
78) Terphenyl-d14	12.88	244	79273	5.59	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.33	82	99792	4.325	ng	# 67
32) Benzoic acid	7.85	122	107	6.418	ng	# 1
50) 2,6-Dinitrotoluene	9.82	165	31304	8.776	ng	# 34
56) 2,4-Dinitrotoluene	9.82	165	31304	6.993	ng	# 33
70) Phenanthrene	11.32	178	434311	22.674	ng	99
71) Anthracene	11.37	178	127417	6.558	ng	98
74) Fluoranthene	12.51	202	918979	45.965	ng	98
77) Pyrene	12.74	202	1061180	43.898	ng	98
80) Benzo(a)anthracene	13.93	228	482001	27.210	ng	99
82) Chrysene	13.96	228	439559	24.944	ng	98
85) Indeno(1,2,3-cd)pyrene	16.61	276	30635	2.363	ng	96
87) Benzo(b)fluoranthene	14.96	252	669028	41.602	ng	99
88) Benzo(k)fluoranthene	15.06	252	76892	5.089	ng	94
89) Benzo(a)pyrene	15.30	252	386563	27.153	ng	98
90) Dibenzo(a,h)anthracene	16.77	278	40642	3.507	ng	96
91) Benzo(g,h,i)perylene	17.18	276	152859	12.640	ng	93

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

Quantitation Report (Not Reviewed)

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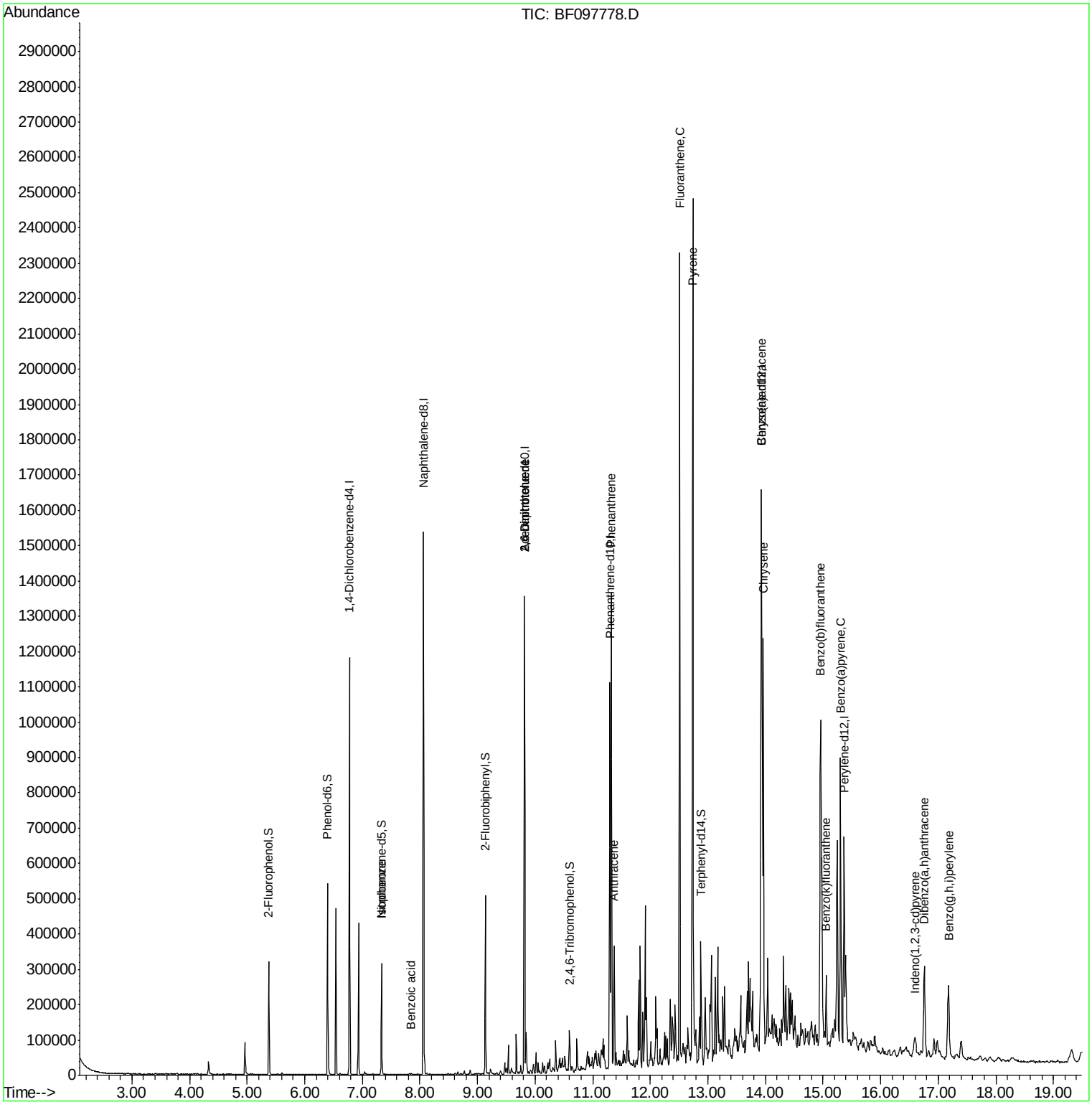
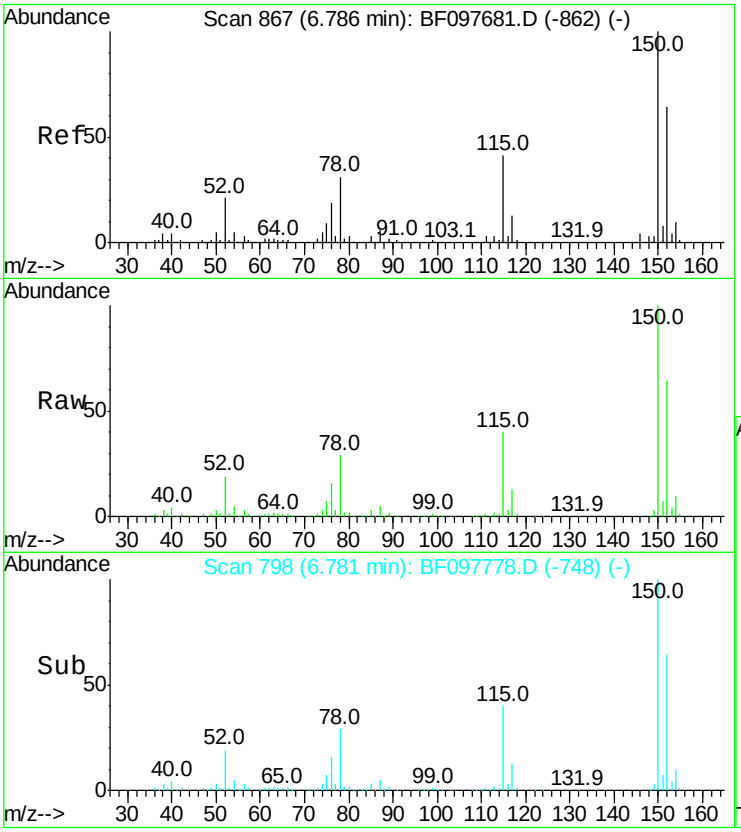
Response via : Initial Calibration



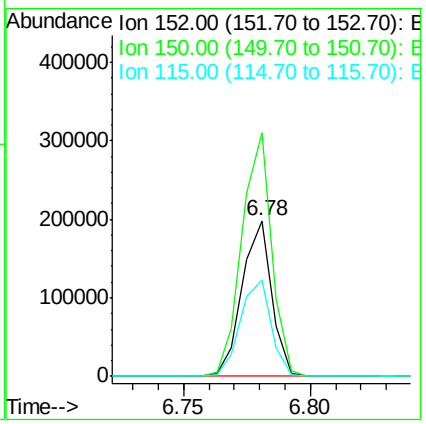


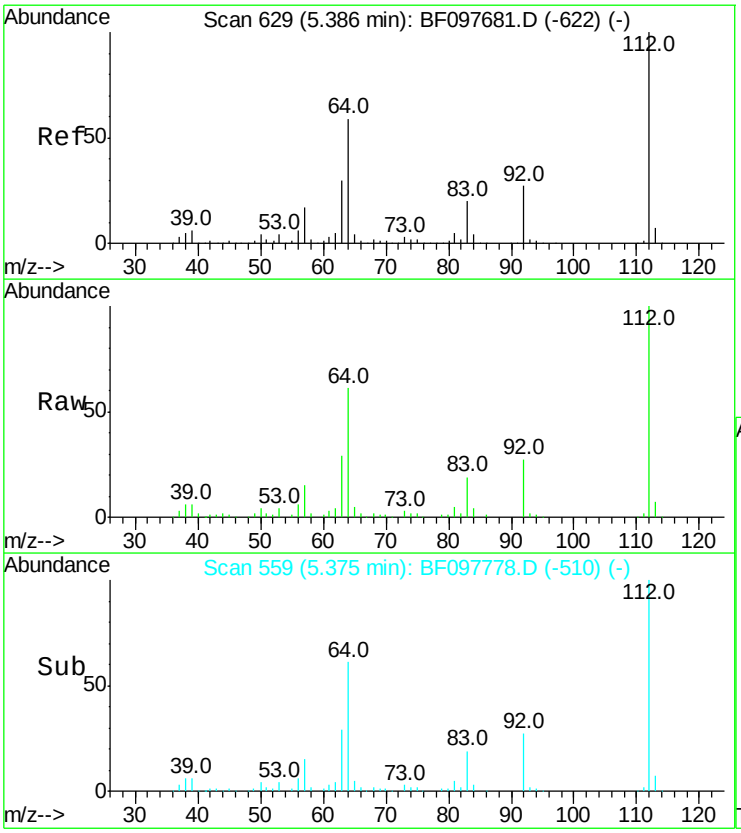
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Instrument :
BNA_F
ClientSampleId :
SB-33-COMP

Tgt Ion:152 Resp: 160782

Ion	Ratio	Lower	Upper
152	100		
150	156.3	126.2	189.2
115	61.8	52.2	78.2

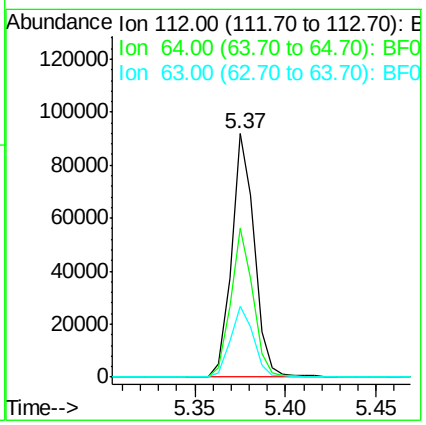


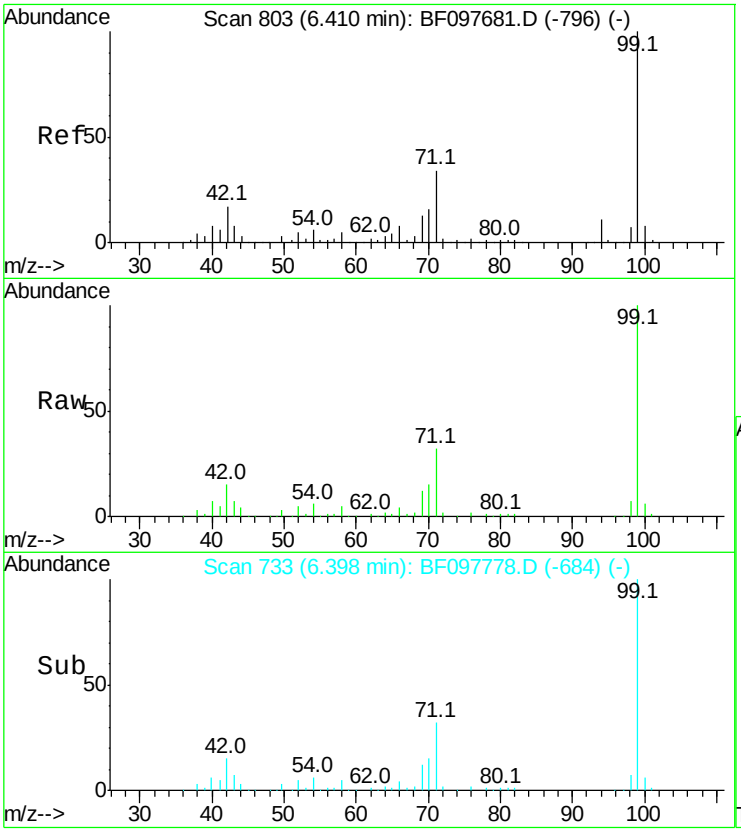


#5
2-Fluorophenol
Concen: 7.572 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Tgt Ion:112 Resp: 80037

Ion	Ratio	Lower	Upper
112	100		
64	61.2	46.0	69.0
63	29.2	23.4	35.0



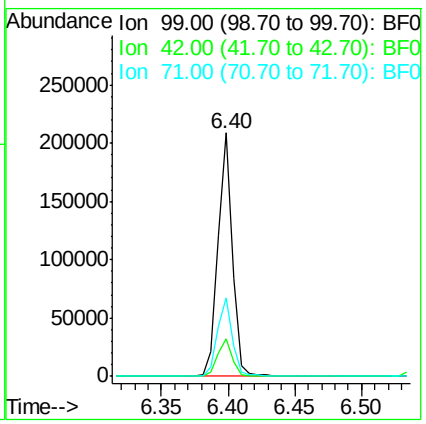


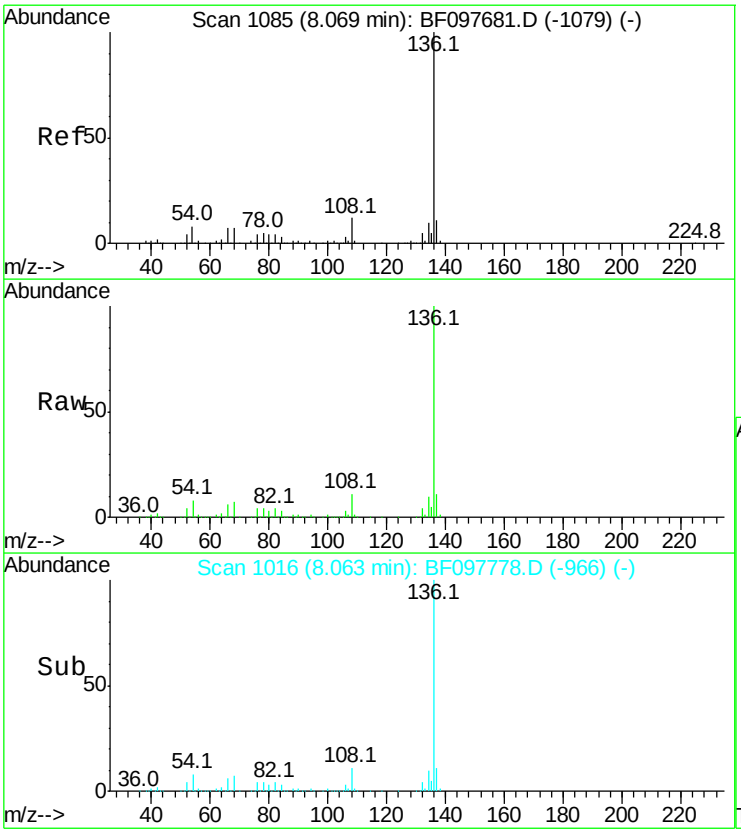
#7
Phenol-d6
Concen: 11.135 ng
RT: 6.40 min Scan# 733
Delta R.T. -0.01 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Instrument :
BNA_F
ClientSampleId :
SB-33-COMP

Tgt Ion: 99 Resp: 159922

Ion	Ratio	Lower	Upper
99	100		
42	15.2	13.5	20.3
71	32.5	24.5	36.7

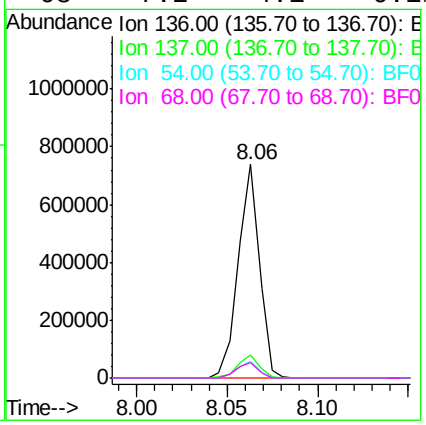


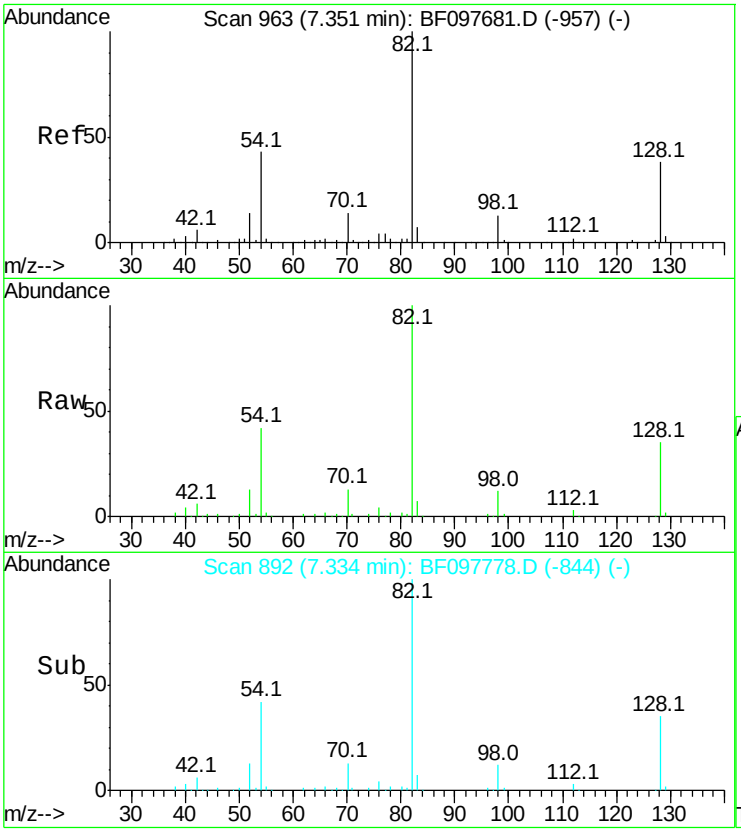


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Tgt Ion:136 Resp: 602758

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	7.5	4.9	7.3#
68	7.2	4.1	6.1#



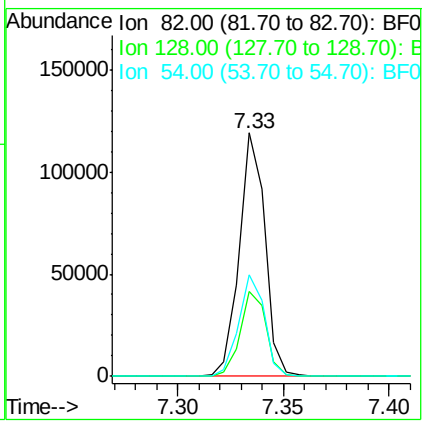


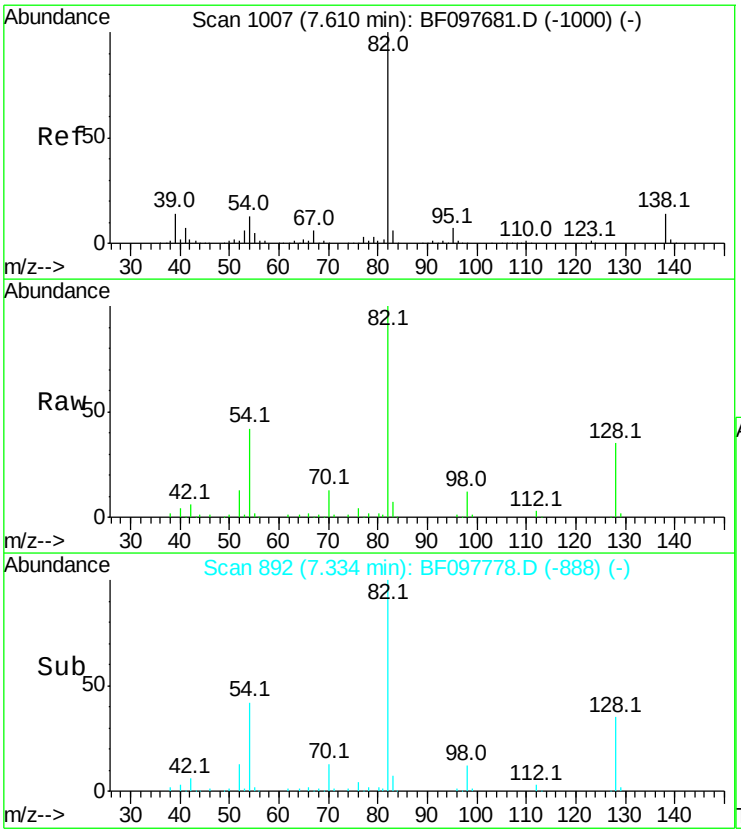
#23
Nitrobenzene-d5
Concen: 9.010 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.02 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Instrument :
BNA_F
ClientSampleId :
SB-33-COMP

Tgt Ion: 82 Resp: 99966

Ion	Ratio	Lower	Upper
82	100		
128	34.8	34.0	51.0
54	41.9	42.2	63.2#

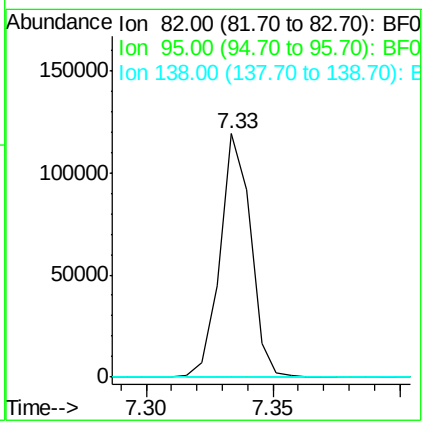


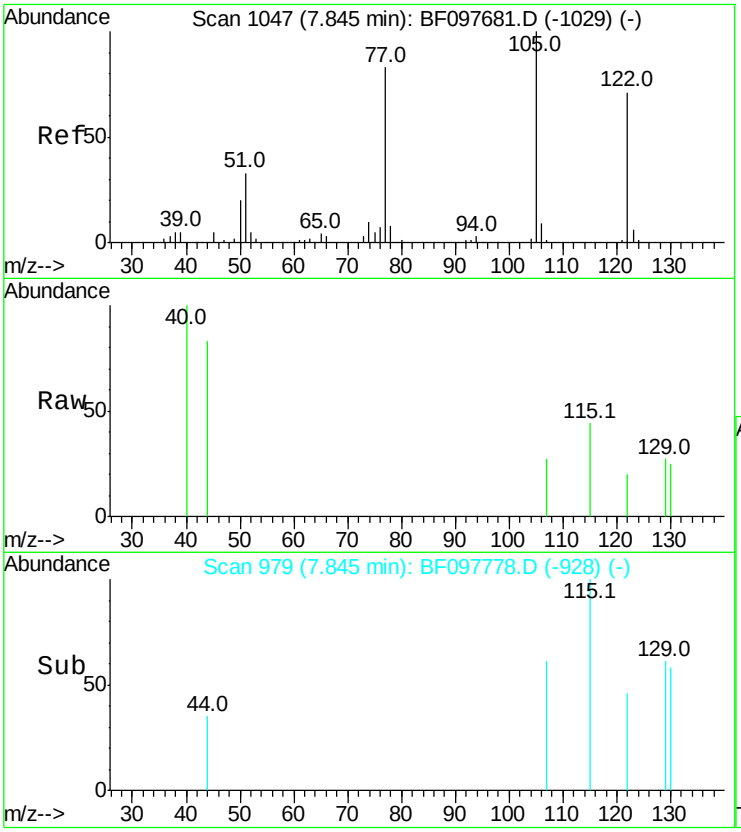


#25
Isophorone
Concen: 4.325 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.28 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Tgt Ion: 82 Resp: 99792

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#



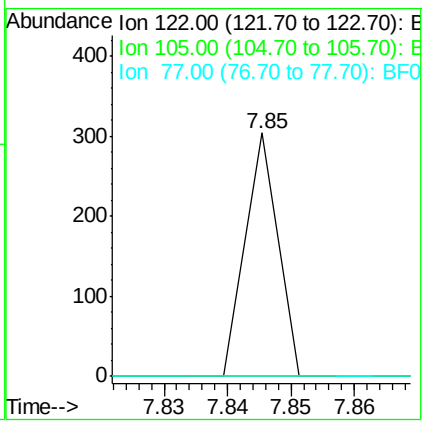


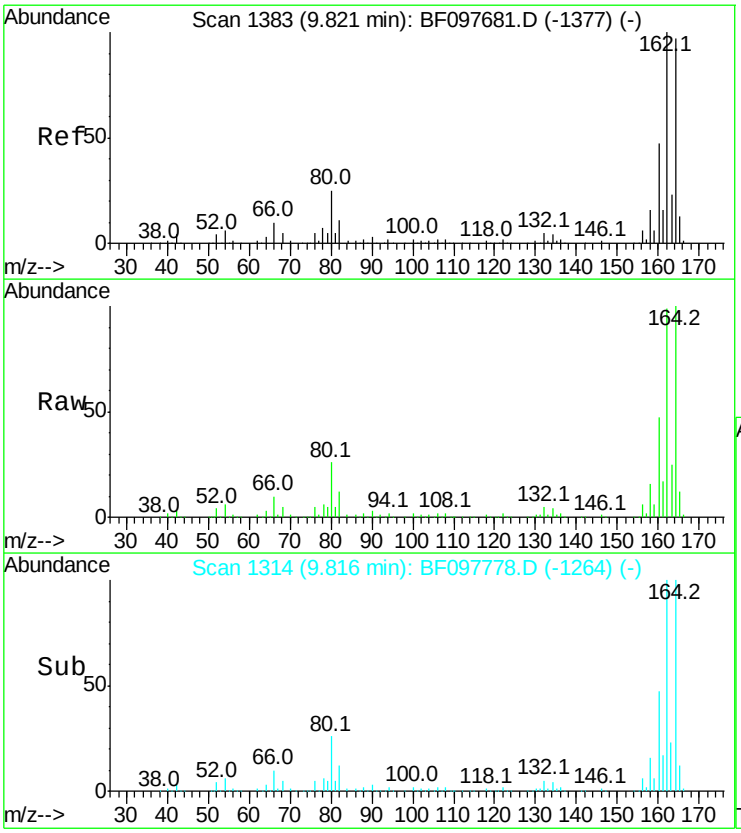
#32
Benzoic acid
Concen: 6.418 ng
RT: 7.85 min Scan# 979
Delta R.T. 0.00 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Instrument :
BNA_F
ClientSampleId :
SB-33-COMP

Tgt Ion:122 Resp: 107

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

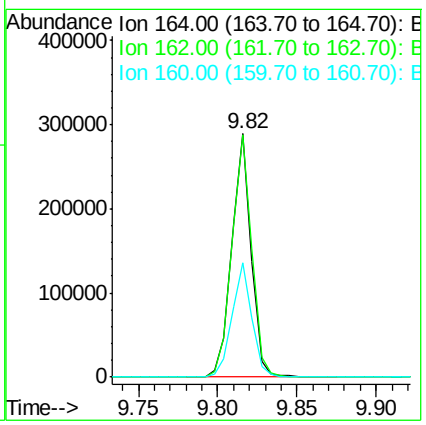


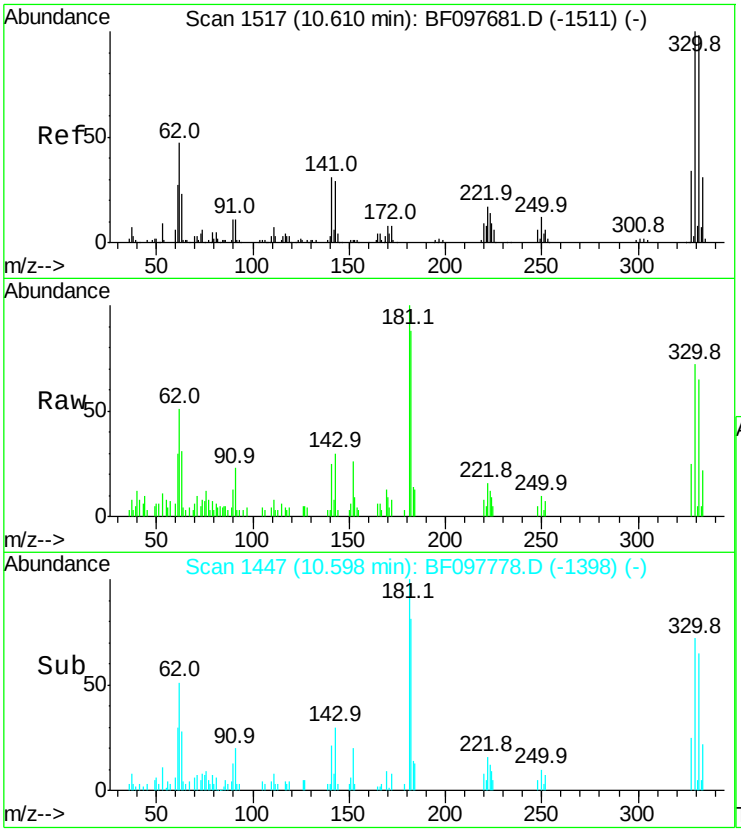


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Tgt Ion:164 Resp: 244457

Ion	Ratio	Lower	Upper
164	100		
162	99.4	82.6	123.8
160	46.9	36.2	54.2



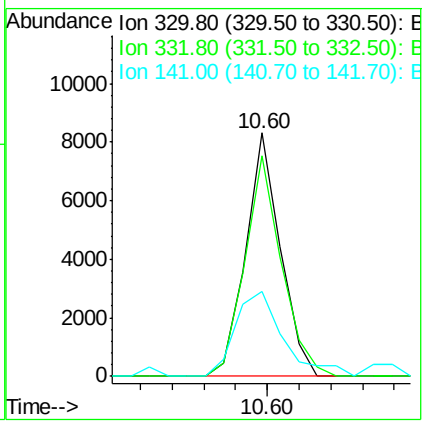


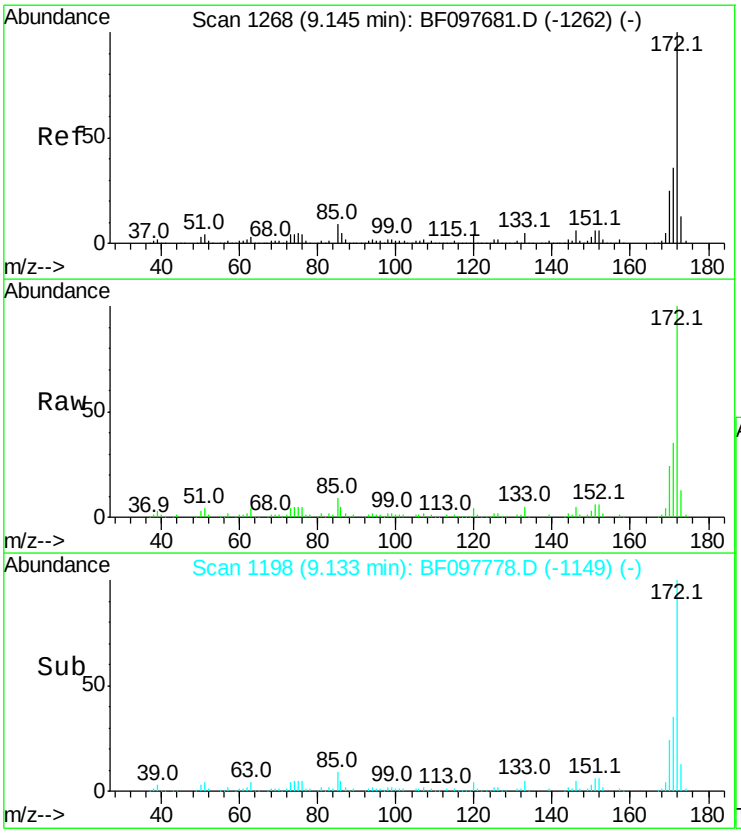
#41
2,4,6-Tribromophenol
Concen: 2.975 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Instrument :
BNA_F
ClientSampleId :
SB-33-COMP

Tgt Ion:330 Resp: 6310

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.6	115.0
141	48.1	31.4	47.2#

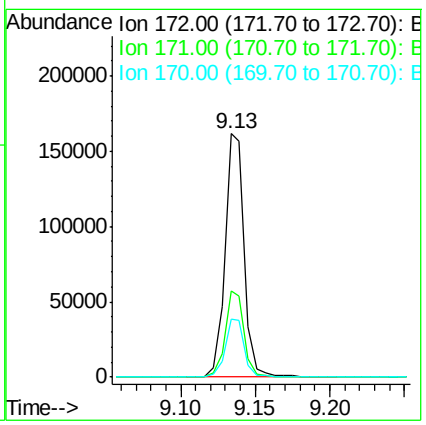


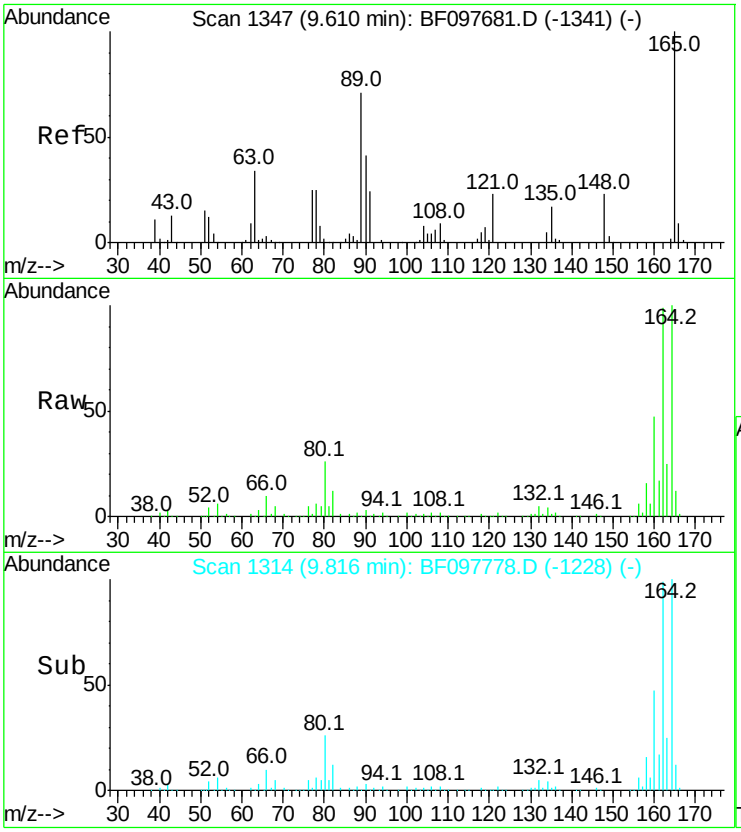


#44
2-Fluorobiphenyl
Concen: 8.906 ng
RT: 9.13 min Scan# 1198
Delta R.T. -0.01 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Tgt Ion:172 Resp: 148192

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.6	44.4
170	23.9	19.8	29.8

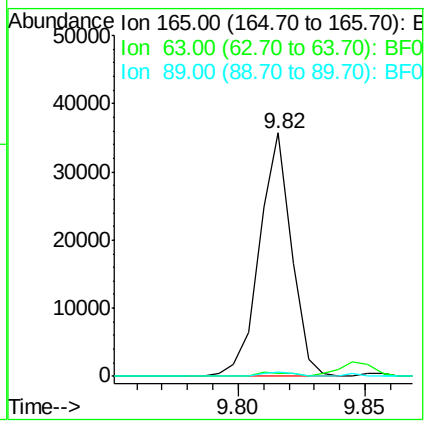




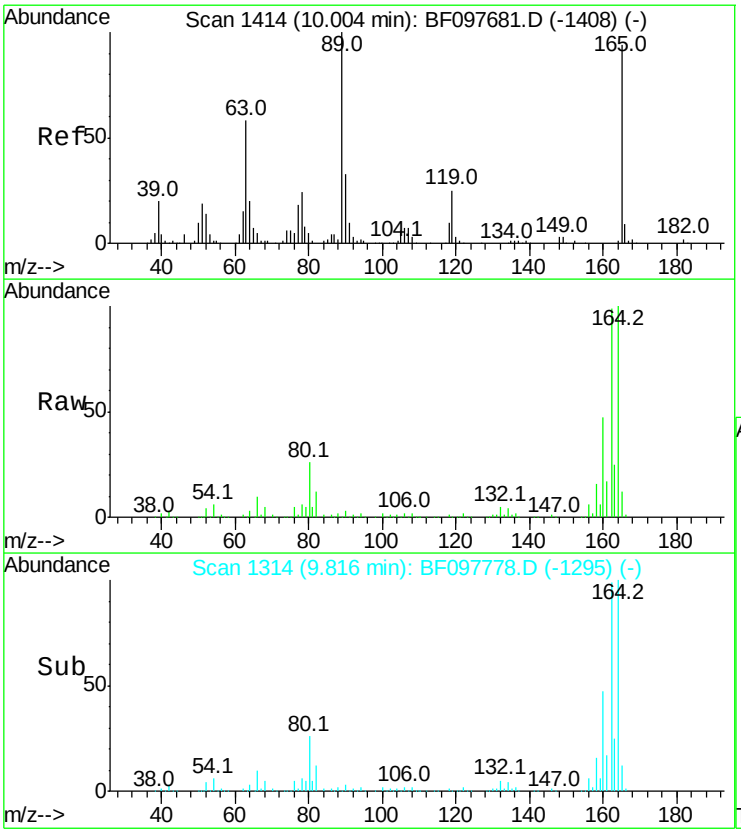
#50
2,6-Dinitrotoluene
Concen: 8.776 ng
RT: 9.82 min Scan# 1314
Delta R.T. 0.21 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Tgt Ion:165 Resp: 31304

Ion	Ratio	Lower	Upper
165	100		
63	1.5	34.3	51.5#
89	1.9	37.1	55.7#



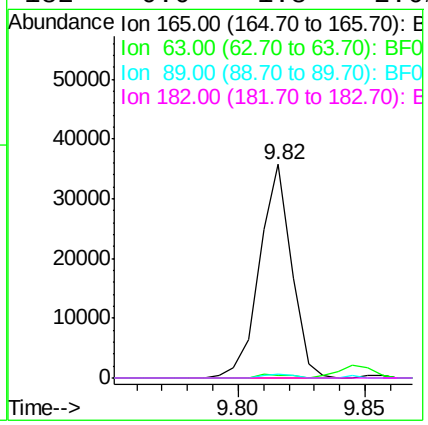
Instrument :
BNA_F
ClientSampleId :
SB-33-COMP

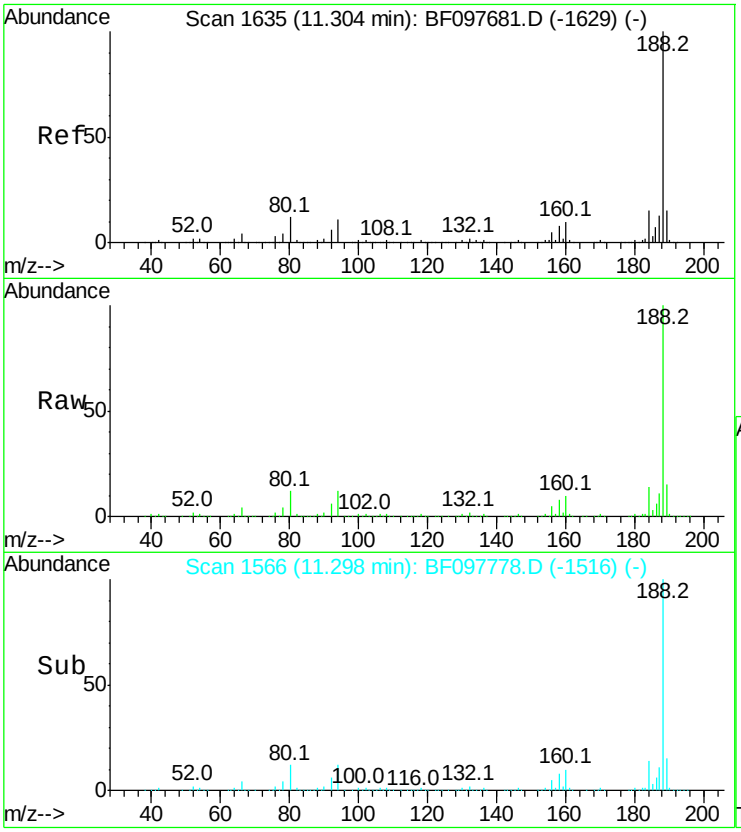


#56
2,4-Dinitrotoluene
Concen: 6.993 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.19 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Tgt Ion:165 Resp: 31304

Ion	Ratio	Lower	Upper
165	100		
63	1.5	25.4	38.0#
89	1.9	46.4	69.6#
182	0.0	1.8	2.6#



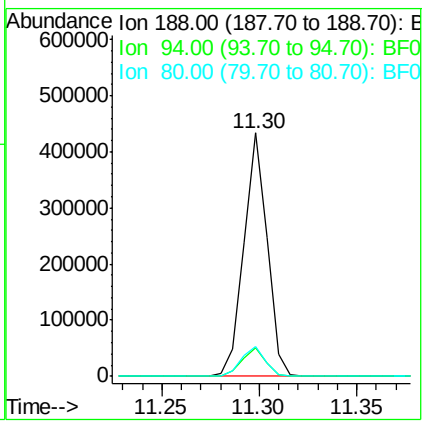


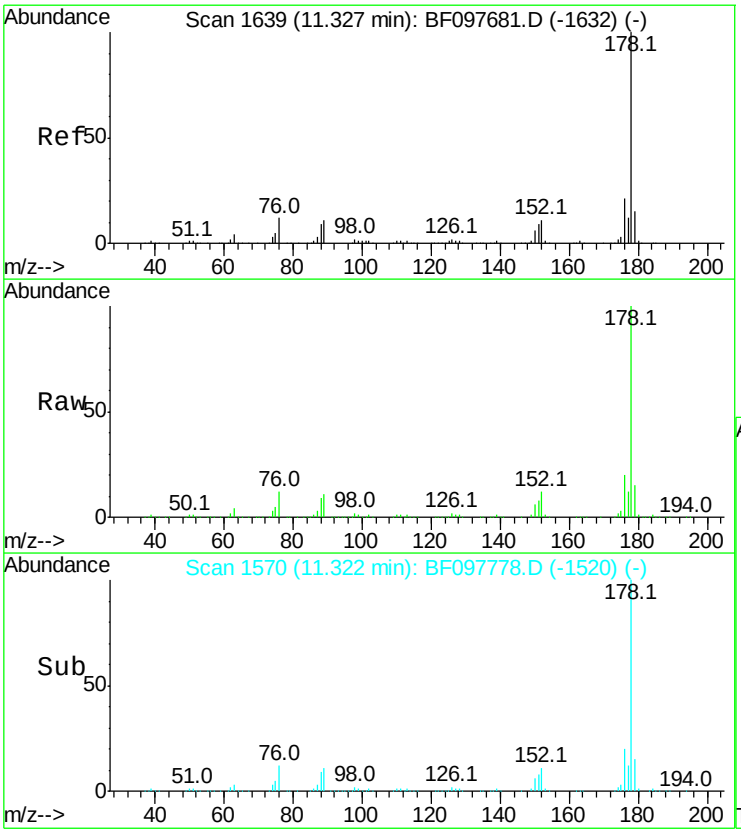
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Instrument :
BNA_F
ClientSampleId :
SB-33-COMP

Tgt Ion:188 Resp: 359462

Ion	Ratio	Lower	Upper
188	100		
94	11.8	9.4	14.2
80	12.5	10.2	15.2

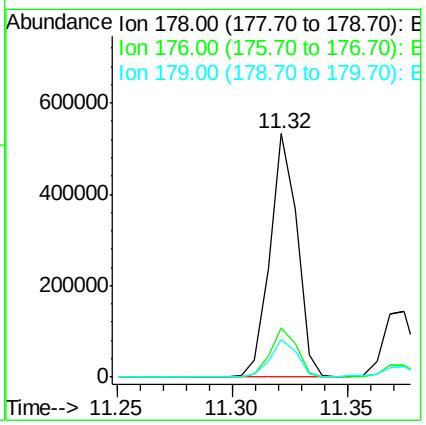


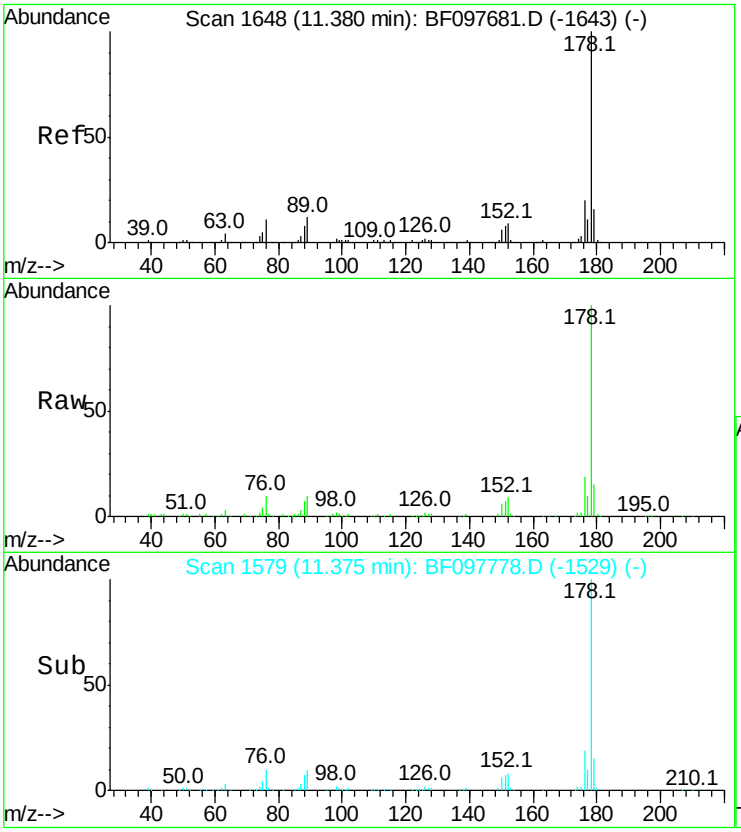


#70
Phenanthrene
Concen: 22.674 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Tgt Ion:178 Resp: 434311

Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.2	24.4
179	15.4	12.6	19.0



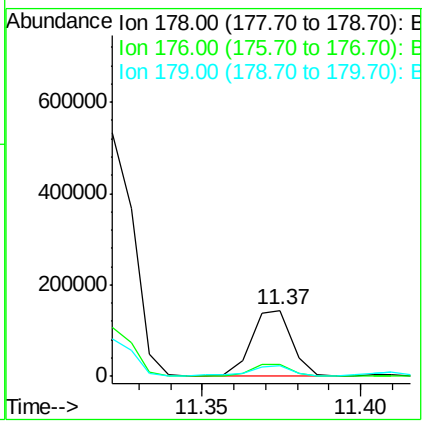


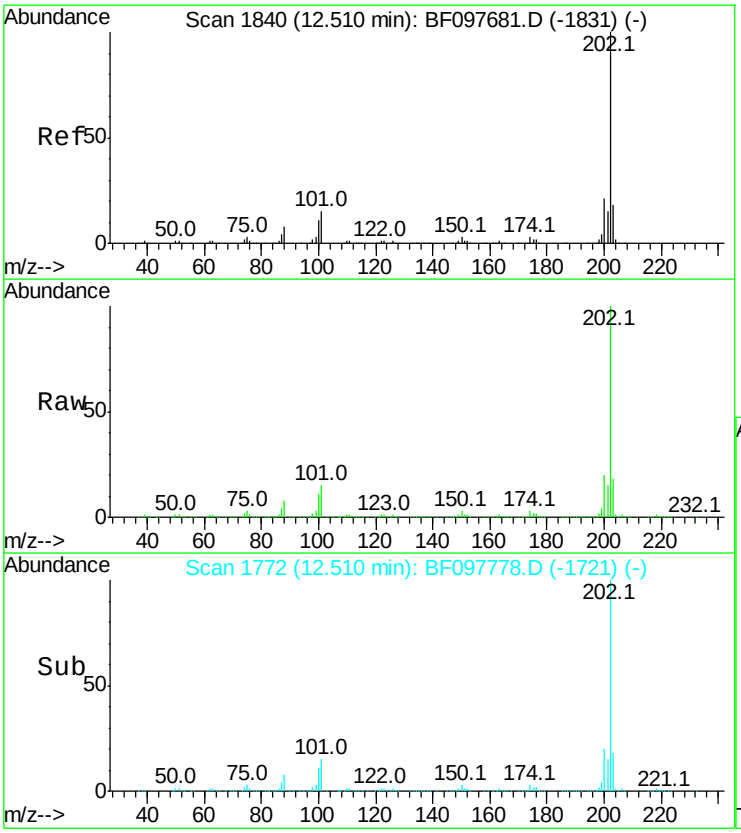
#71
Anthracene
Concen: 6.558 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Instrument :
BNA_F
ClientSampleId :
SB-33-COMP

Tgt Ion:178 Resp: 127417

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.3	12.7	19.1

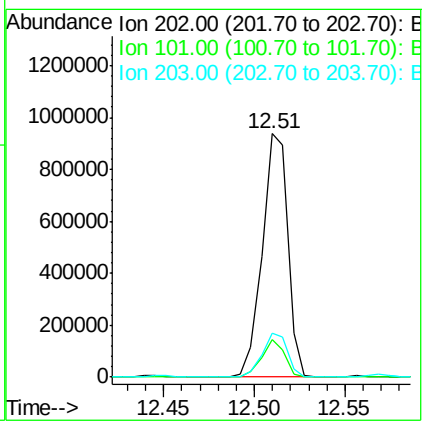


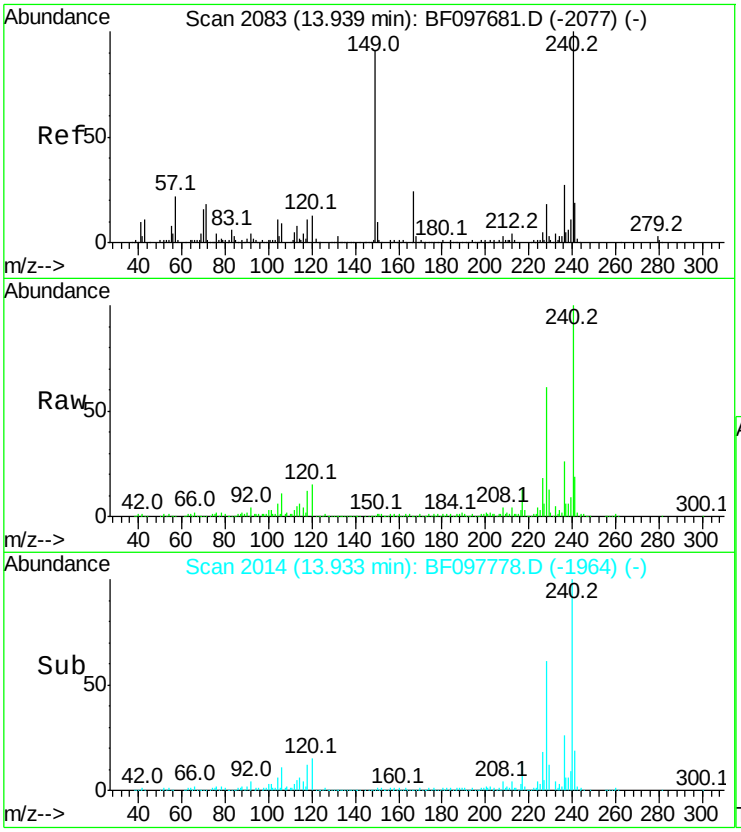


#74
Fluoranthene
Concen: 45.965 ng
RT: 12.51 min Scan# 1772
Delta R.T. 0.00 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Tgt Ion:202 Resp: 918979

Ion	Ratio	Lower	Upper
202	100		
101	15.3	0.0	33.2
203	18.2	0.0	38.1



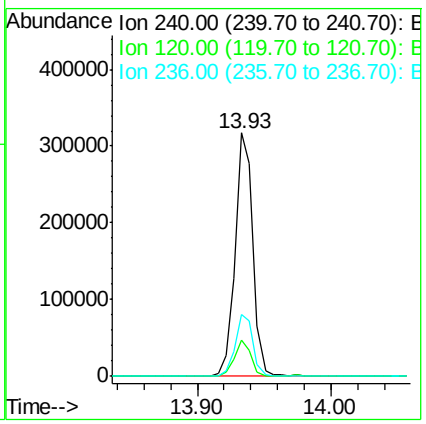


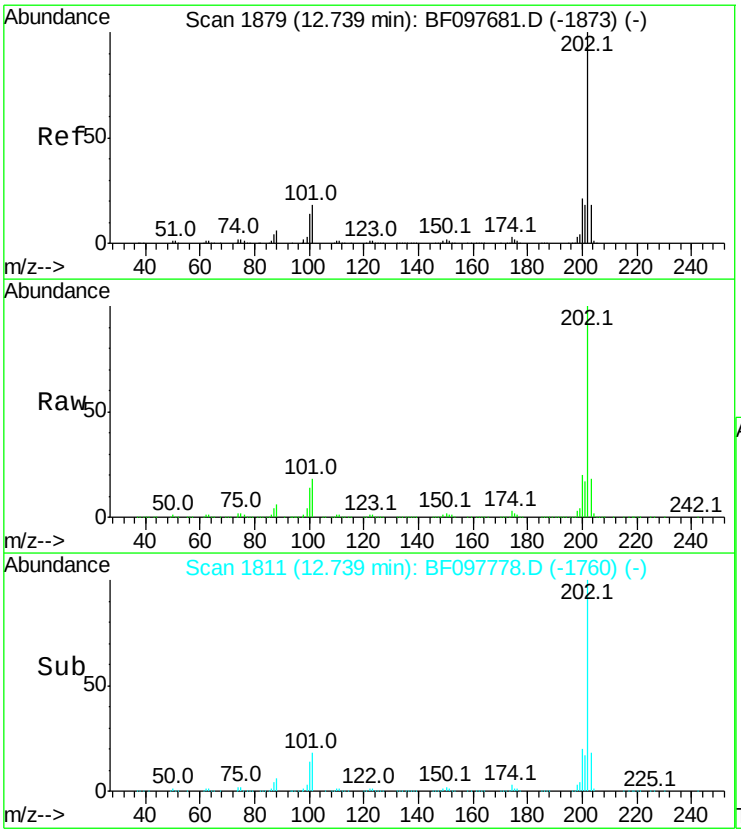
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Instrument :
BNA_F
ClientSampleId :
SB-33-COMP

Tgt Ion:240 Resp: 295563

Ion	Ratio	Lower	Upper
240	100		
120	15.1	5.8	8.8#
236	25.5	20.5	30.7

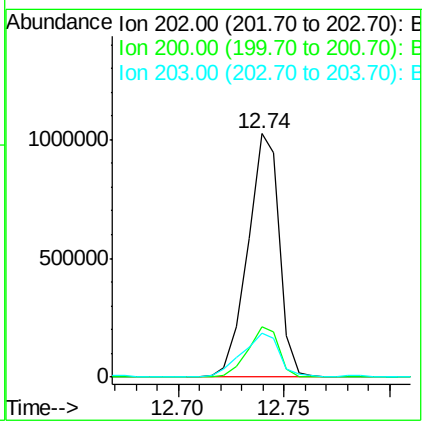


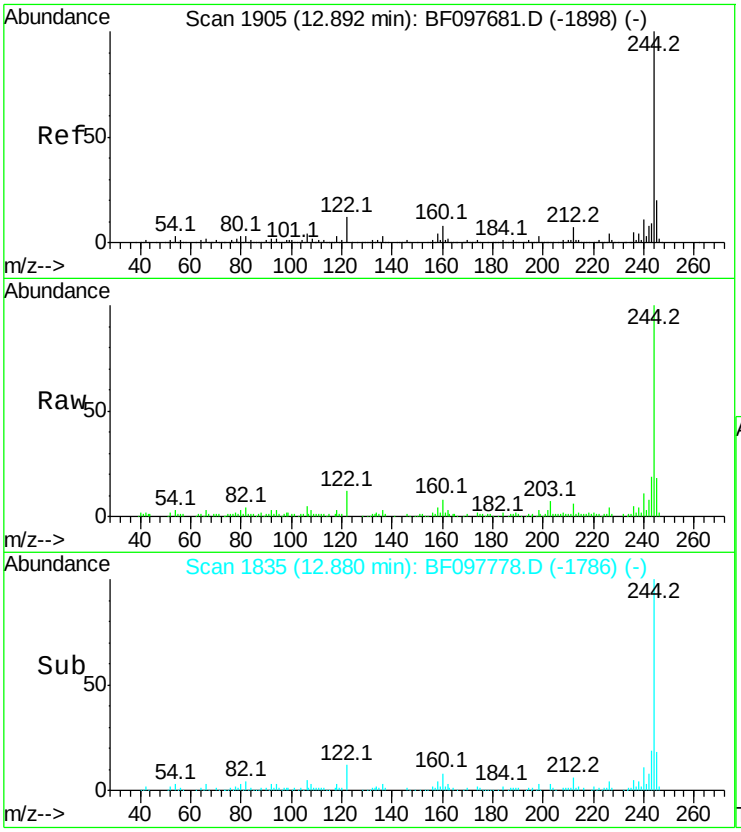


#77
Pyrene
Concen: 43.898 ng
RT: 12.74 min Scan# 1811
Delta R.T. 0.00 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Tgt Ion:202 Resp: 1061180

Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.6	26.4
203	18.1	14.4	21.6



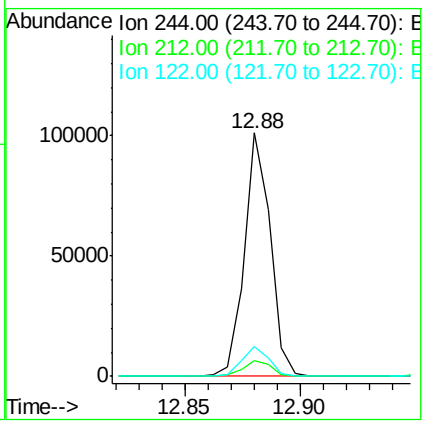


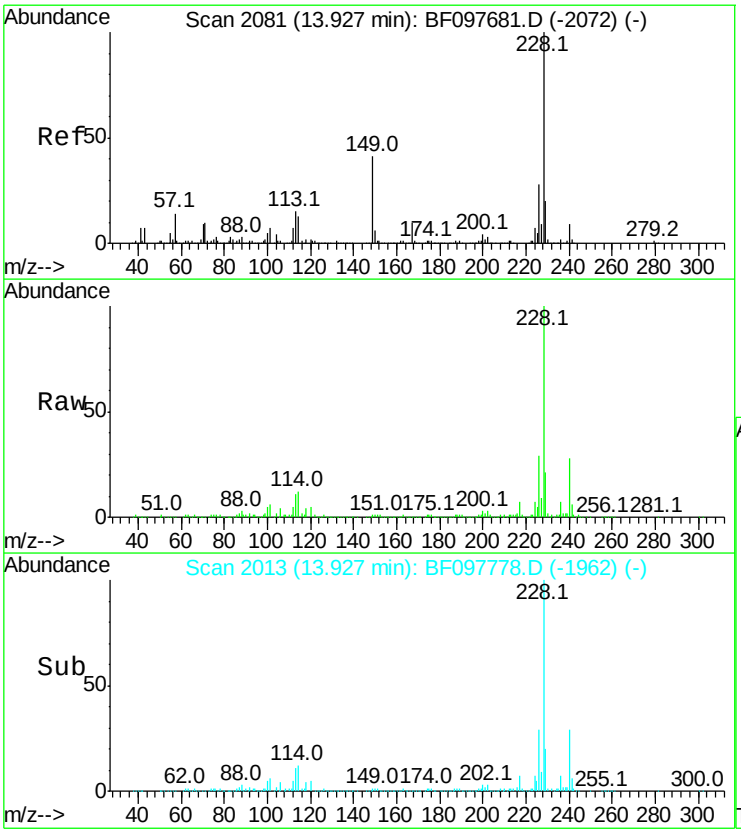
#78
Terphenyl-d14
Concen: 5.593 ng
RT: 12.88 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Instrument :
BNA_F
ClientSampleId :
SB-33-COMP

Tgt Ion:244 Resp: 79273

Ion	Ratio	Lower	Upper
244	100		
212	6.3	6.0	9.0
122	12.2	10.3	15.5

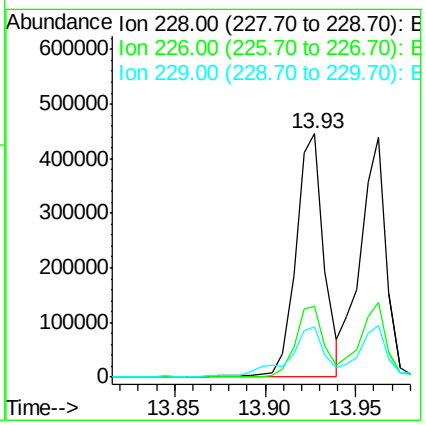


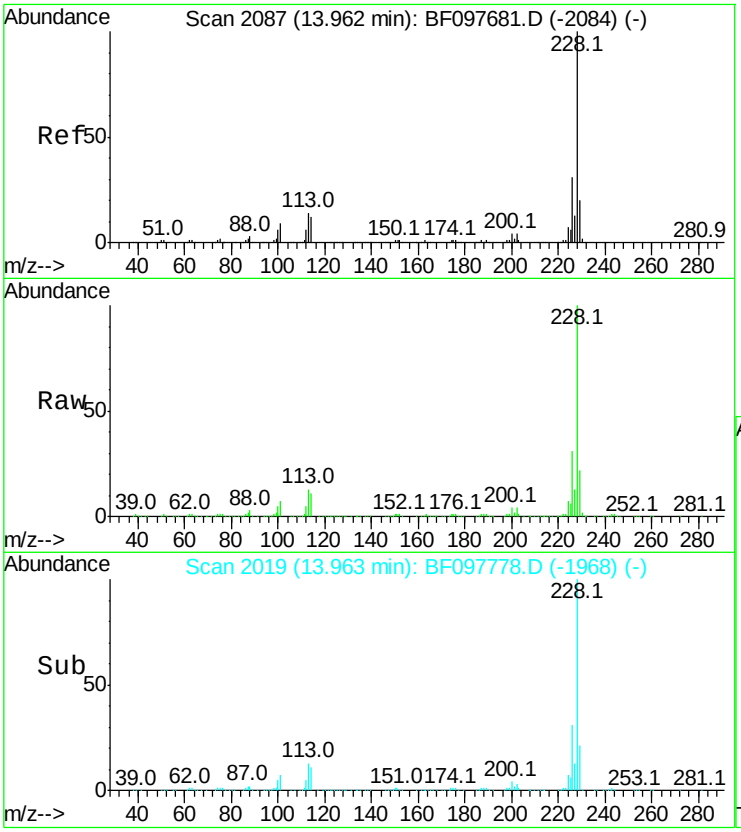


#80
Benzo(a)anthracene
Concen: 27.210 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Tgt Ion:228 Resp: 482001

Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	20.5	16.3	24.5



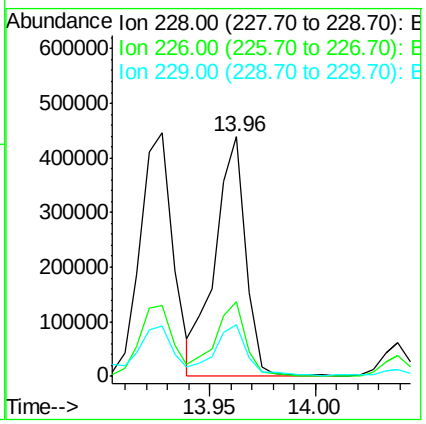


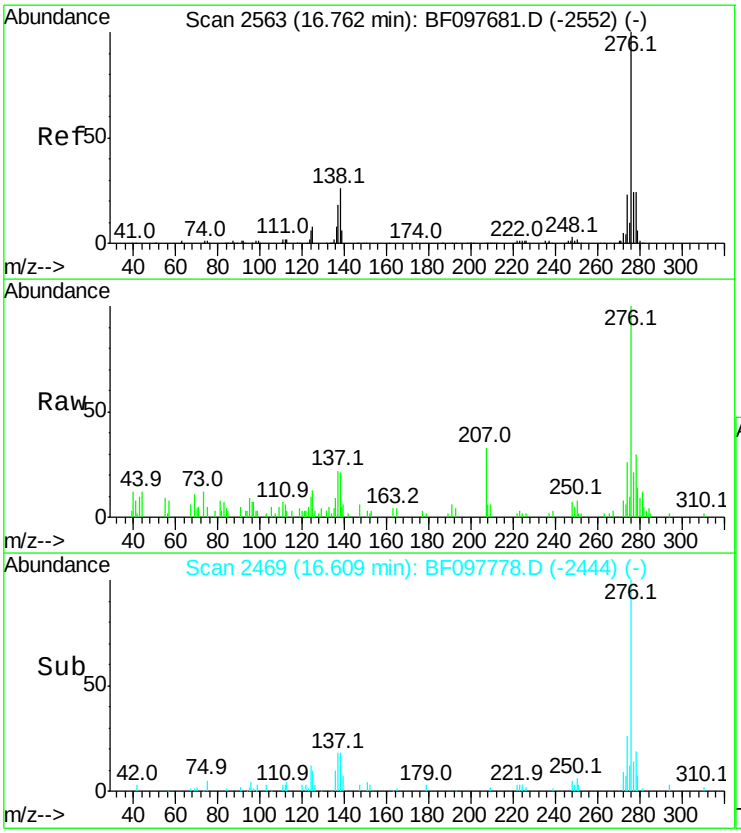
#82
Chrysene
Concen: 24.944 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Instrument :
BNA_F
ClientSampleId :
SB-33-COMP

Tgt Ion:228 Resp: 439559

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	21.5	15.8	23.6

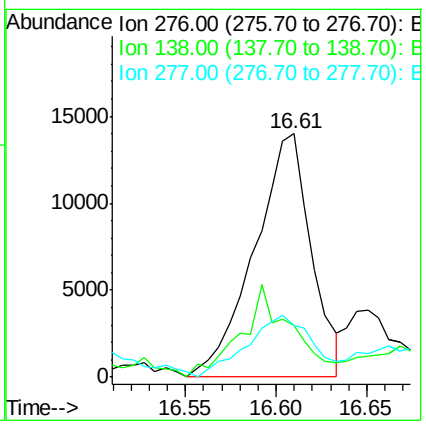


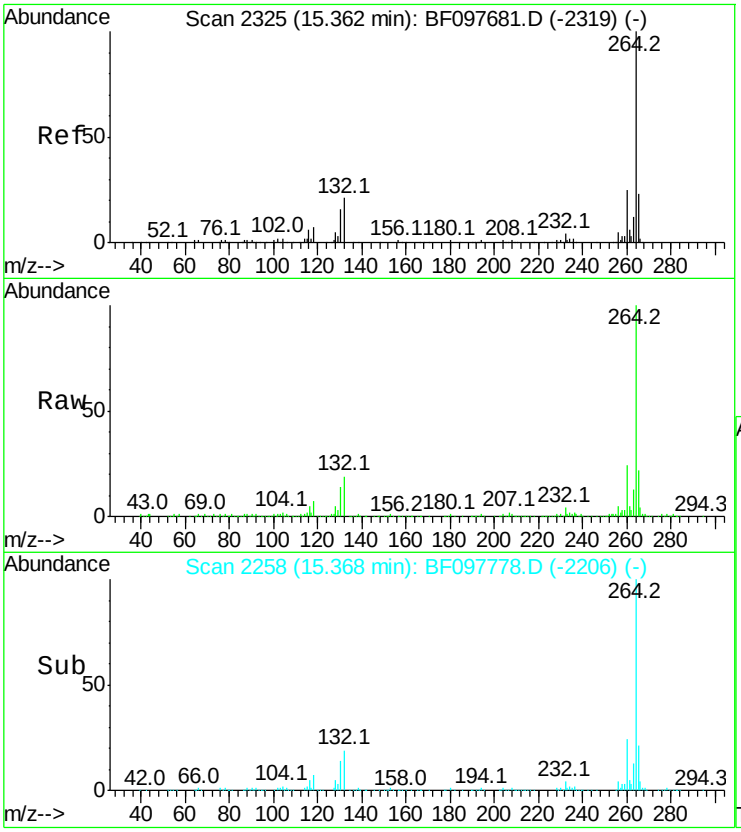


#85
Indeno(1,2,3-cd)pyrene
Concen: 2.363 ng
RT: 16.61 min Scan# 2469
Delta R.T. -0.15 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Tgt Ion:276 Resp: 30635

Ion	Ratio	Lower	Upper
276	100		
138	34.1	27.8	41.6
277	29.0	20.2	30.4



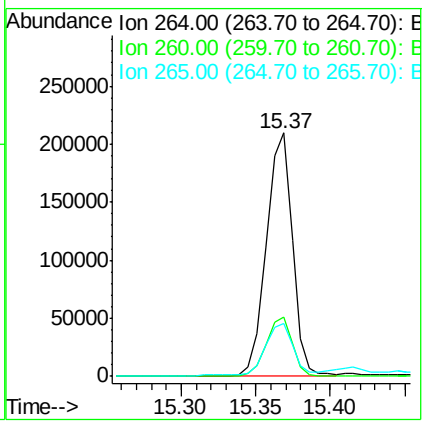


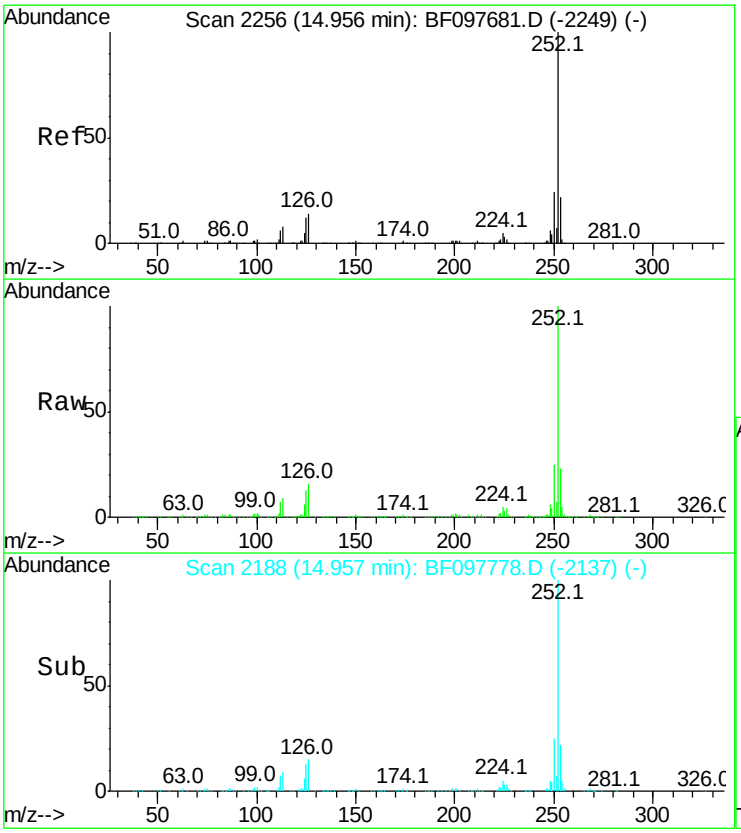
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Instrument :
BNA_F
ClientSampleId :
SB-33-COMP

Tgt Ion:264 Resp: 255127

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	21.7	17.2	25.8

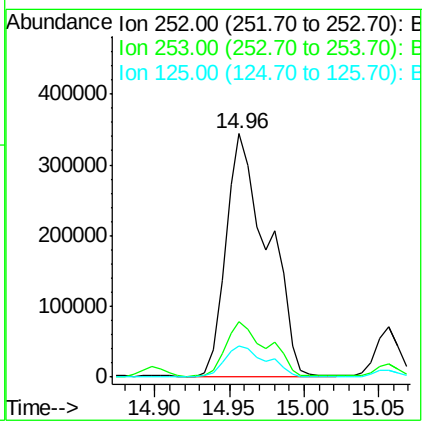


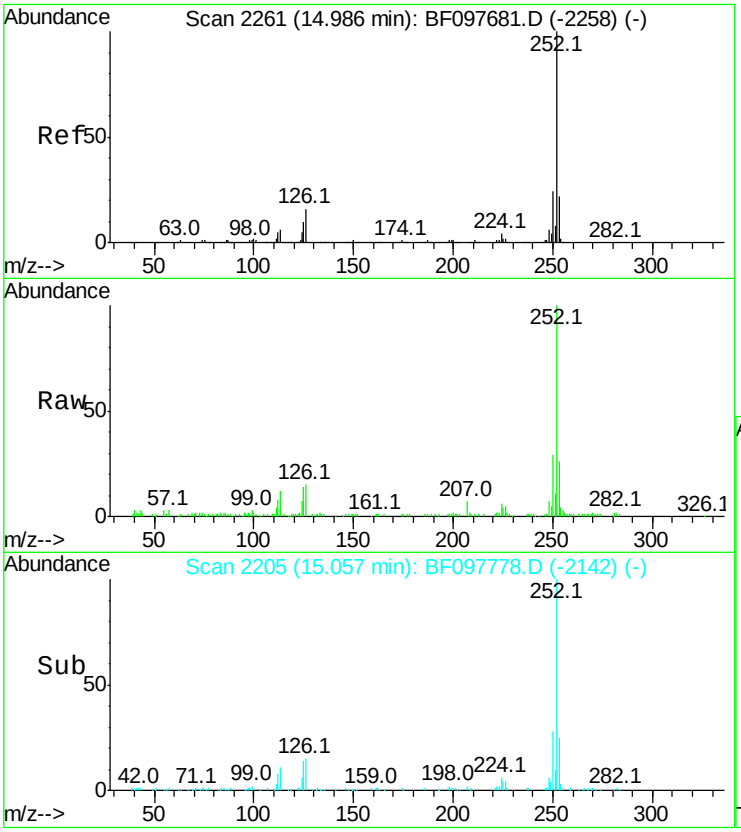


#87
Benzo(b)fluoranthene
Concen: 41.602 ng
RT: 14.96 min Scan# 2188
Delta R.T. 0.00 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Tgt Ion:252 Resp: 669028

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	13.0	9.8	14.8



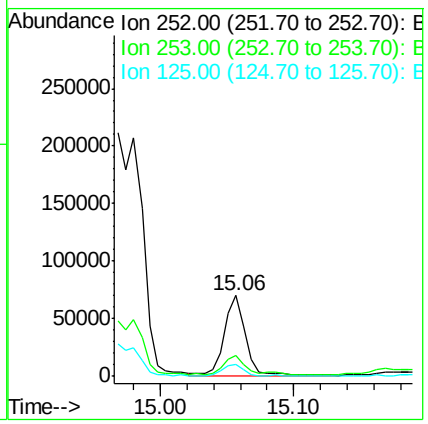


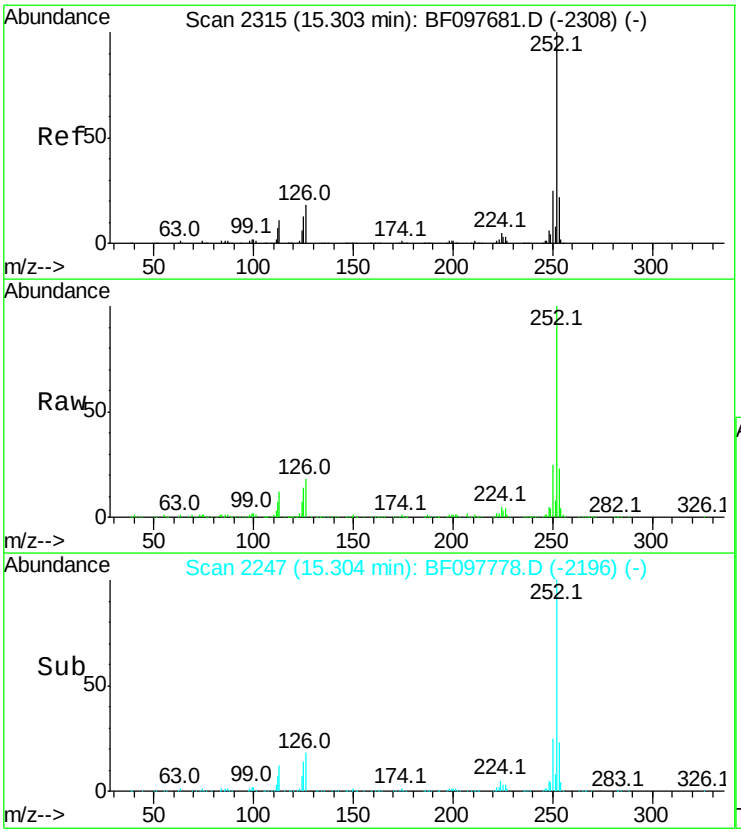
#88
Benzo(k)fluoranthene
Concen: 5.089 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.07 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Instrument :
BNA_F
ClientSampleId :
SB-33-COMP

Tgt Ion:252 Resp: 76892

Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.4	27.6
125	14.4	13.1	19.7

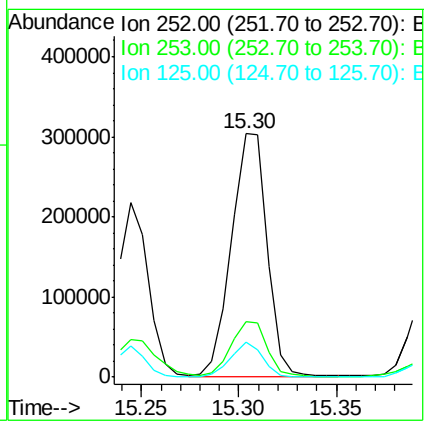


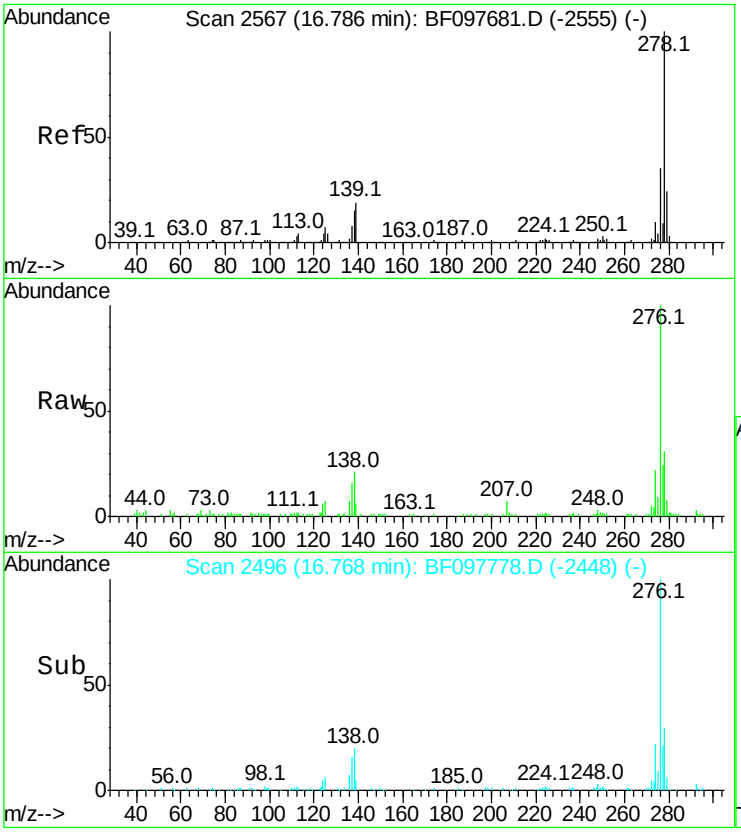


#89
Benzo(a)pyrene
Concen: 27.153 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.00 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Tgt Ion:252 Resp: 386563

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	14.3	11.0	16.4



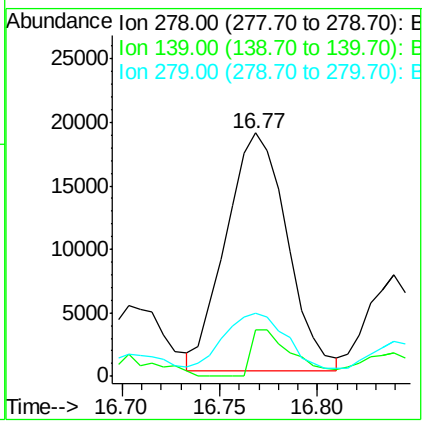


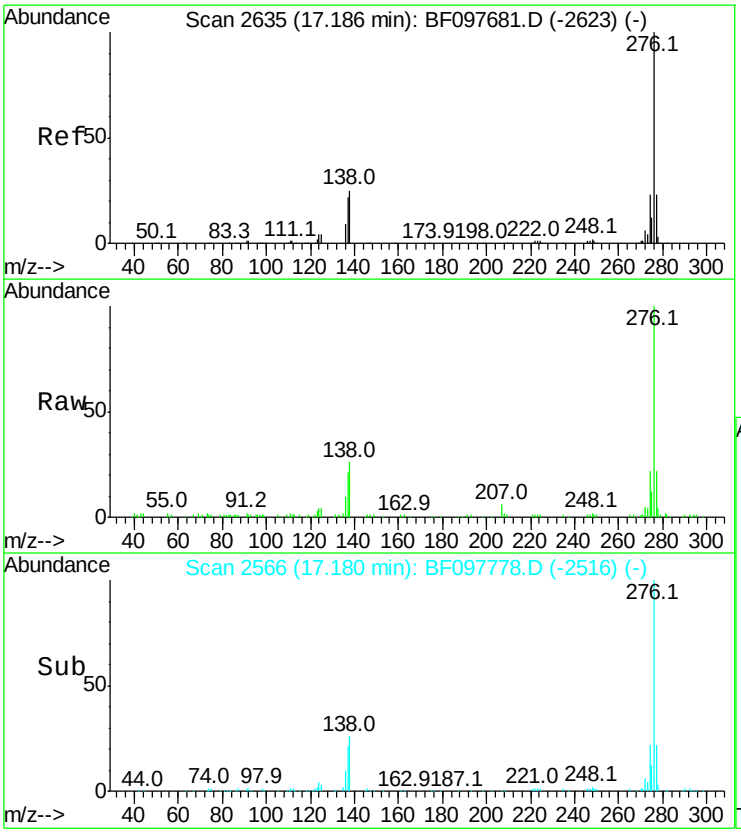
#90
Dibenzo(a,h)anthracene
Concen: 3.507 ng
RT: 16.77 min Scan# 2496
Delta R.T. -0.02 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Instrument :
BNA_F
ClientSampleId :
SB-33-COMP

Tgt Ion:278 Resp: 40642

Ion	Ratio	Lower	Upper
278	100		
139	19.1	16.6	24.8
279	26.1	19.3	28.9





#91
Benzo(g,h,i)perylene
Concen: 12.640 ng
RT: 17.18 min Scan# 2566
Delta R.T. -0.01 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Tgt Ion:276 Resp: 152859

Ion	Ratio	Lower	Upper
276	100		
277	22.1	18.6	28.0
138	25.9	25.4	38.0