Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
Data File : BF098182.D
Acq On : 31 Aug 2017 3:34
Operator : SJ/JU
Sample : I5023-10 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Aug 31 06:53:57 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	6.73	152	128274	20.00	ng		-0.02
21) Naphthalene-d8	8.01	136	479074	20.00	ng		-0.02
38) Acenaphthene-d10	9.76	164	185238	20.00	ng		-0.02
63) Phenanthrene-d10	11.24	188	300770	20.00	ng		-0.02
75) Chrysene-d12	13.87	240	248207	20.00	ng		-0.02
86) Perylene-d12	15.29	264	175764	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.32	112	172006	20.40	ng		-0.03
7) Phenol-d6	6.36	99	229580	20.04	ng		-0.03
23) Nitrobenzene-d5	7.29	82	128906	14.62	ng		-0.04
41) 2,4,6-Tribromophenol	10.54	330	26758	16.65	ng		-0.03
44) 2-Fluorobiphenyl	9.08	172	213136	16.90	ng		-0.03
78) Terphenyl-d14	12.82	244	144703	12.16	ng		-0.03
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	16751	2.136	ng	#	67
25) Isophorone	7.29	82	125381	6.837	ng	#	67
50) 2,6-Dinitrotoluene	9.76	165	24122	8.925	ng	#	34
56) 2,4-Dinitrotoluene	9.76	165	24122	7.112	ng	#	33
70) Phenanthrene	11.26	178	84014	5.242	ng		99
74) Fluoranthene	12.45	202	201279	12.032	ng		99
77) Pyrene	12.68	202	190748	9.396	ng		97
80) Benzo(a)anthracene	13.86	228	91332	6.140	ng		98
82) Chrysene	13.90	228	85655	5.788	ng		97
85) Indeno(1,2,3-cd)pyrene	16.66	276	30240	2.778	ng		92
87) Benzo(b)fluoranthene	14.89	252	115622	10.436	ng	#	93
88) Benzo(k)fluoranthene	14.89	252	115622	11.108	ng		97
89) Benzo(a)pyrene	15.23	252	58450	5.959	ng	#	94
91) Benzo(g,h,i)perylene	17.08	276	31413	3.770	ng		93

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

Quantitation Report (Not Reviewed)

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ALS Vial : 25 Sample Multiplier: 1

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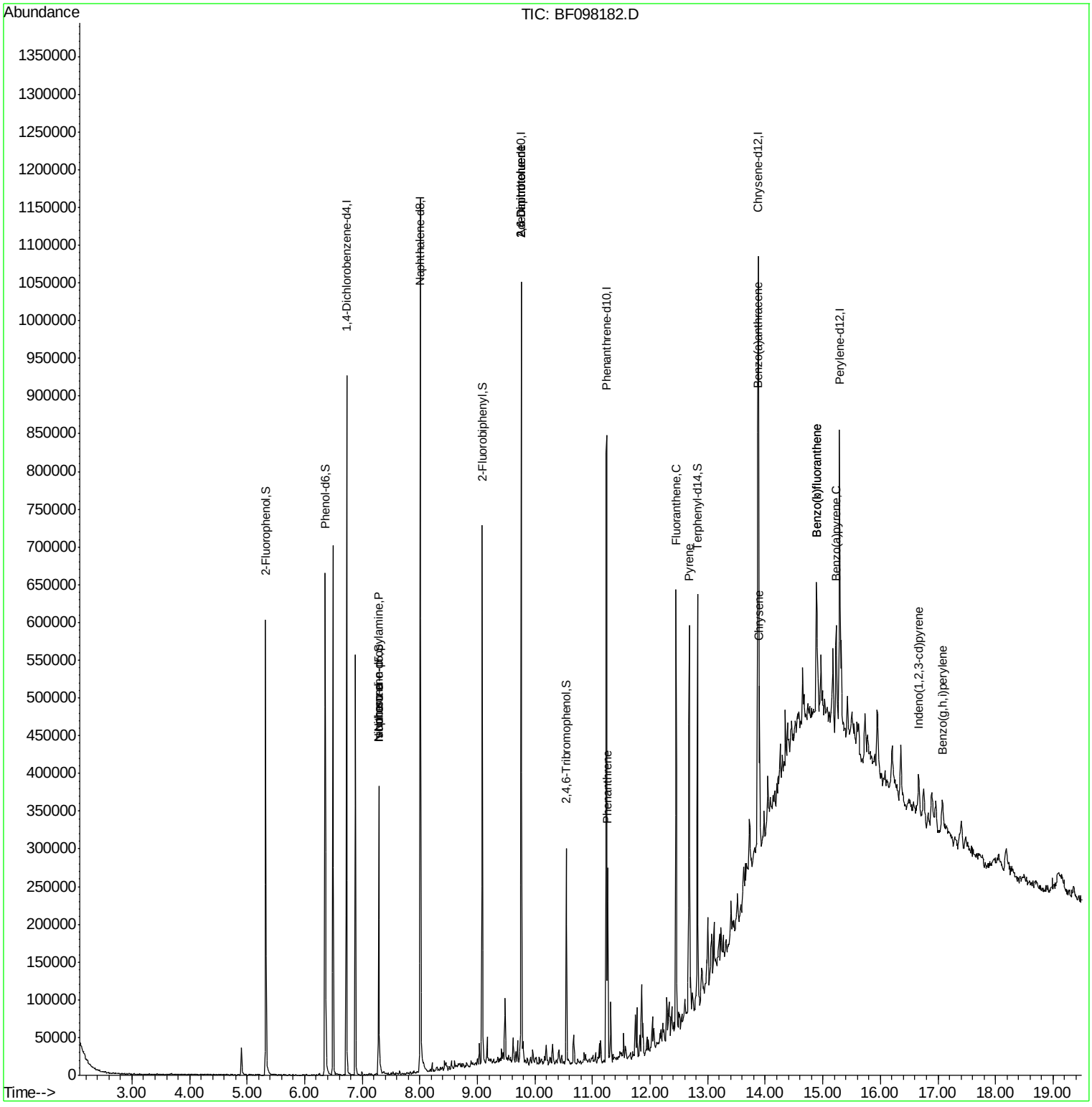
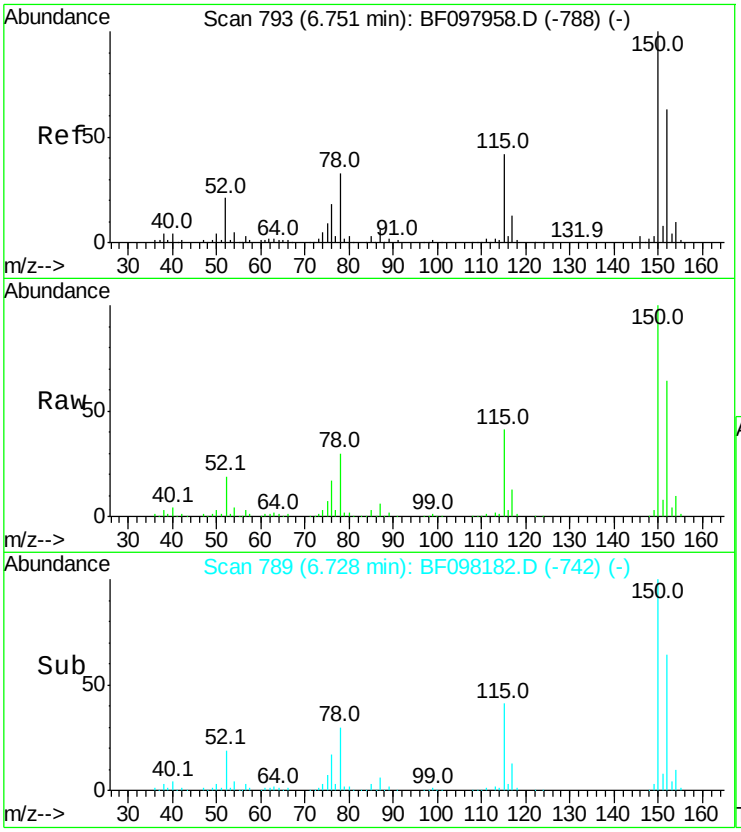
BNA_F
ClientSampleId :

Quant Time: Aug 31 06:53:57 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



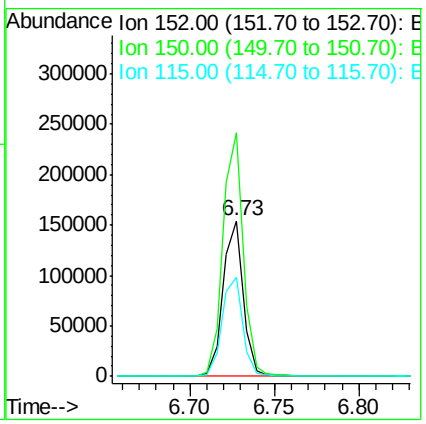


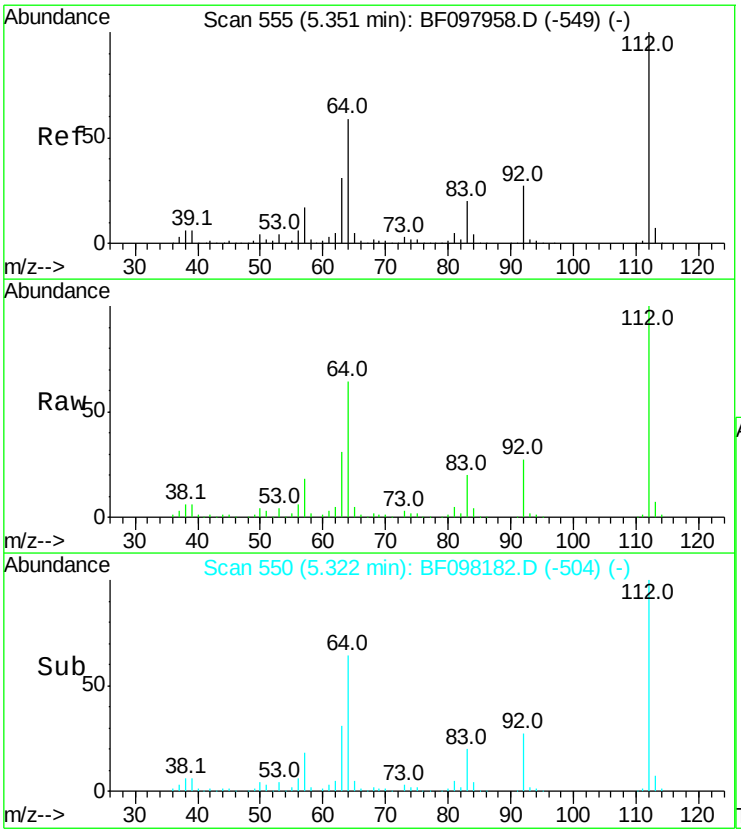
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.02 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 128274

Ion	Ratio	Lower	Upper
152	100		
150	156.3	126.2	189.2
115	63.4	52.2	78.2

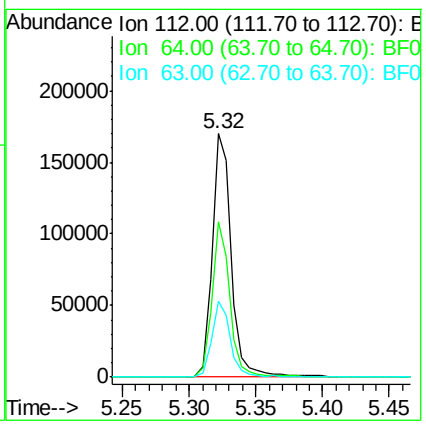


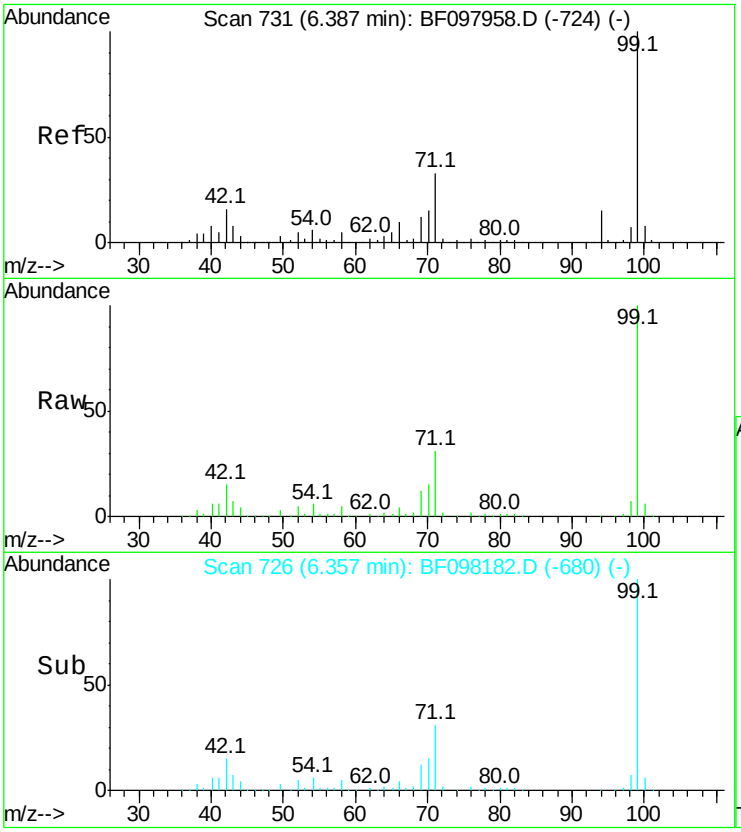


#5
2-Fluorophenol
Concen: 20.396 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.03 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Tgt Ion:112 Resp: 172006

Ion	Ratio	Lower	Upper
112	100		
64	63.6	46.0	69.0
63	31.2	23.4	35.0



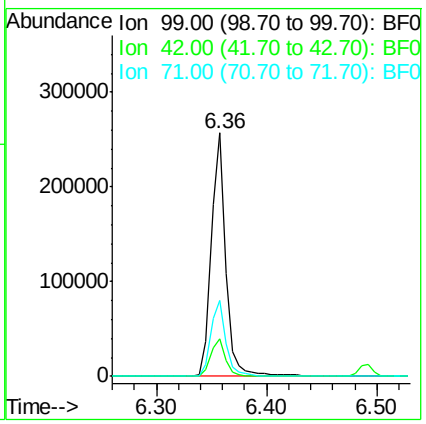


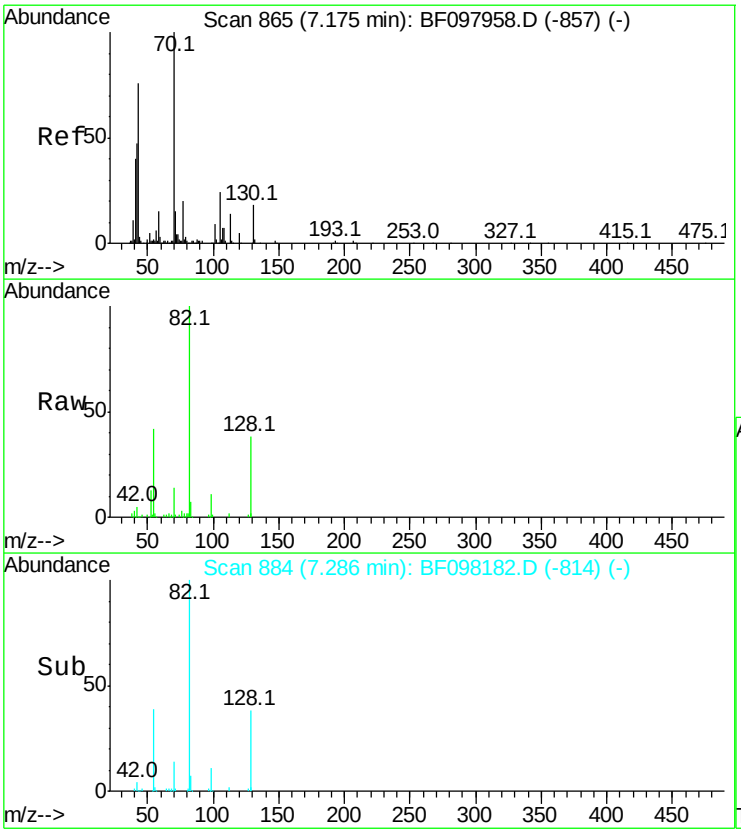
#7
Phenol-d6
Concen: 20.036 ng
RT: 6.36 min Scan# 726
Delta R.T. -0.03 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 229580

Ion	Ratio	Lower	Upper
99	100		
42	15.2	13.5	20.3
71	31.3	24.5	36.7

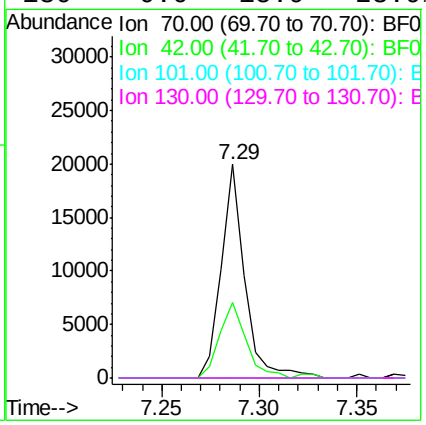


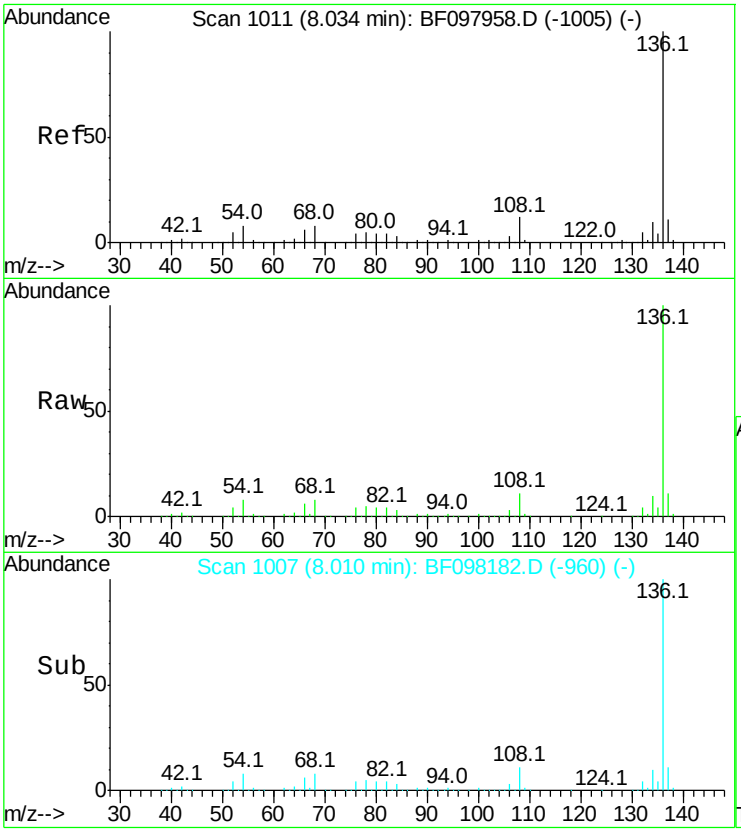


#19
n-Nitroso-di-n-propylamine
Concen: 2.136 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.11 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Tgt Ion: 70 Resp: 16751

Ion	Ratio	Lower	Upper
70	100		
42	35.7	47.2	70.8#
101	0.0	7.2	10.8#
130	0.0	15.9	23.9#



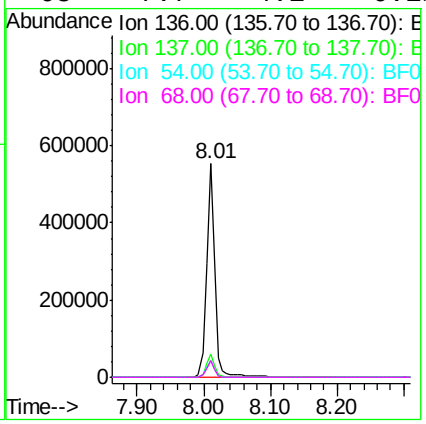


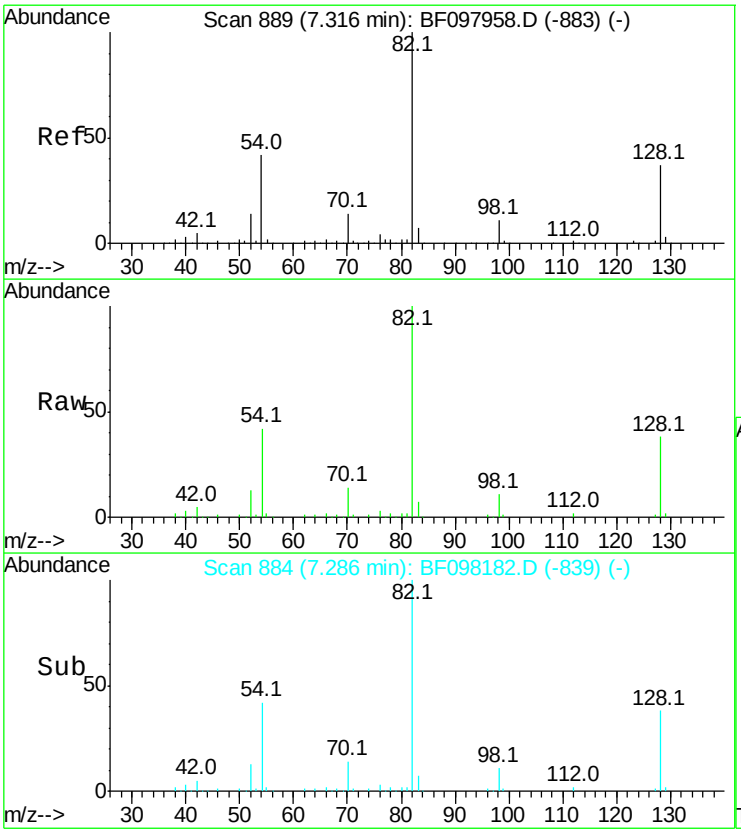
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.02 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 479074

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	7.6	4.9	7.3#
68	7.7	4.1	6.1#

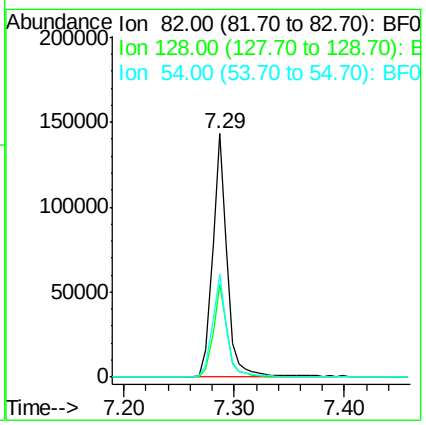


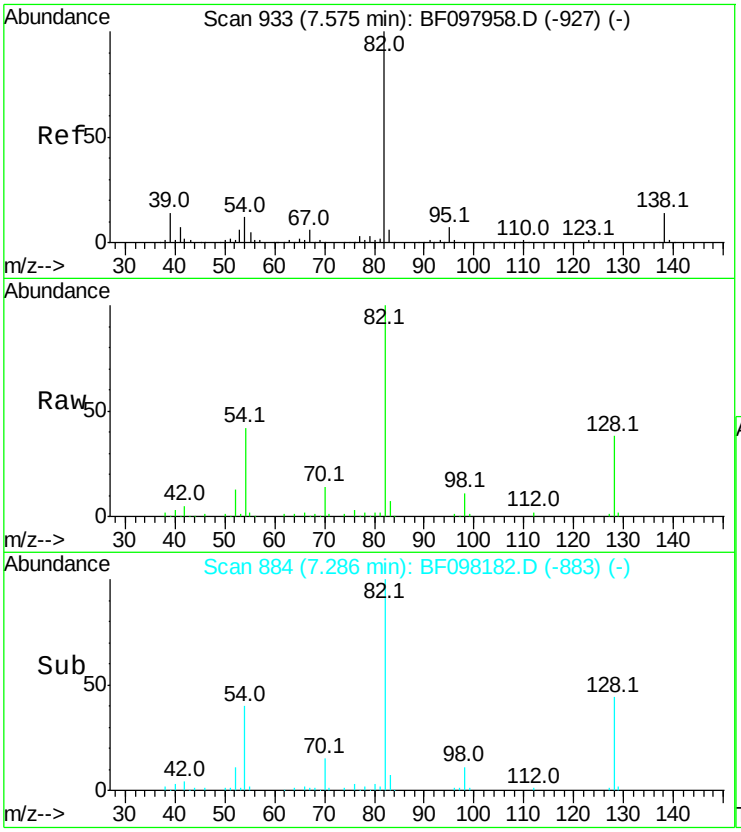


#23
Nitrobenzene-d5
Concen: 14.617 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.04 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Tgt Ion: 82 Resp: 128906

Ion	Ratio	Lower	Upper
82	100		
128	38.2	34.0	51.0
54	42.4	42.2	63.2



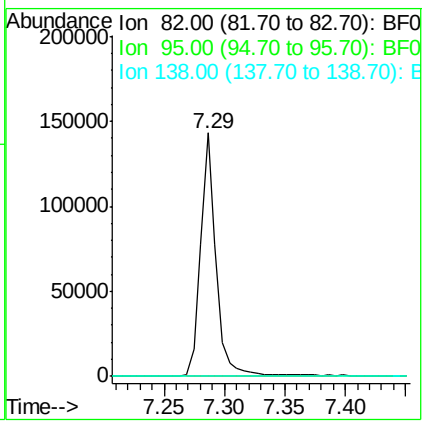


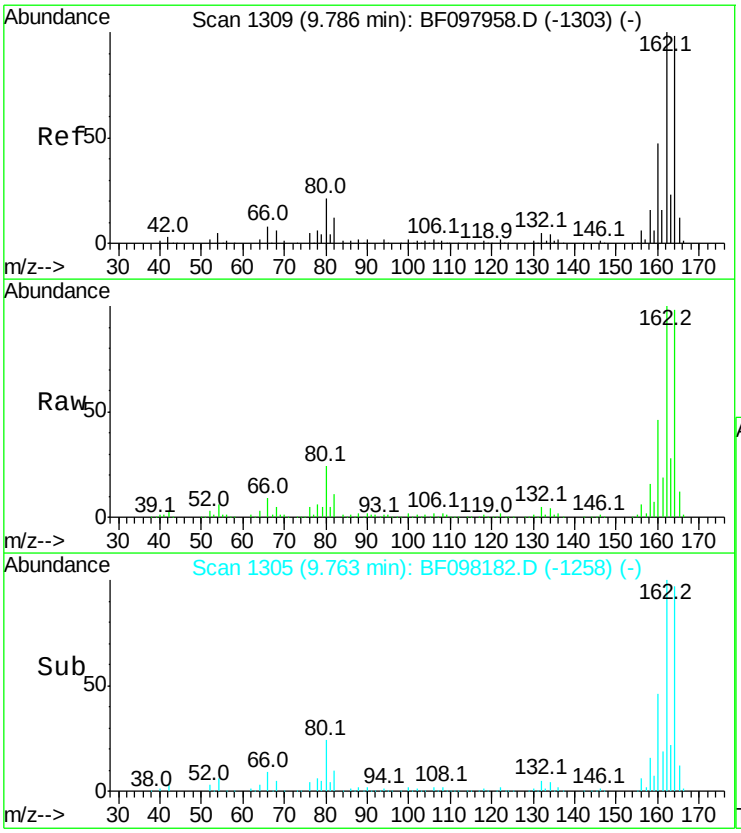
#25
Isophorone
Concen: 6.837 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.29 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 125381

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

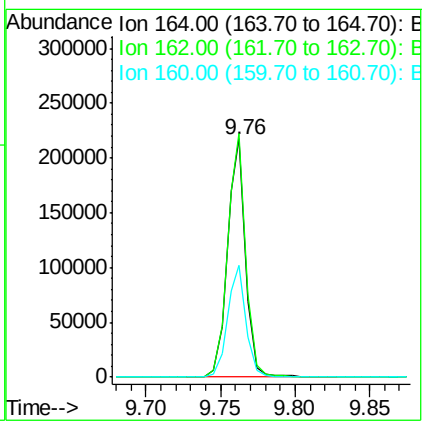


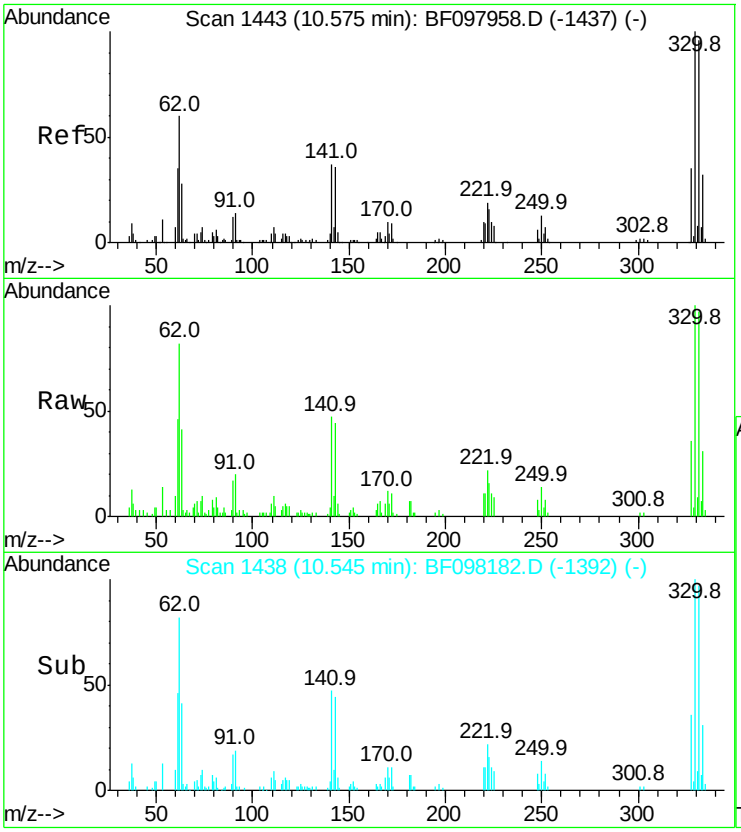


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.02 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Tgt Ion:164 Resp: 185238

Ion	Ratio	Lower	Upper
164	100		
162	102.4	82.6	123.8
160	47.3	36.2	54.2



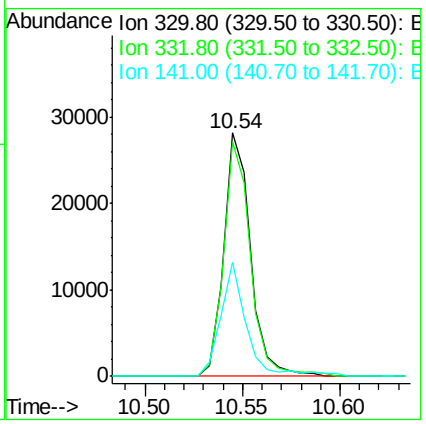


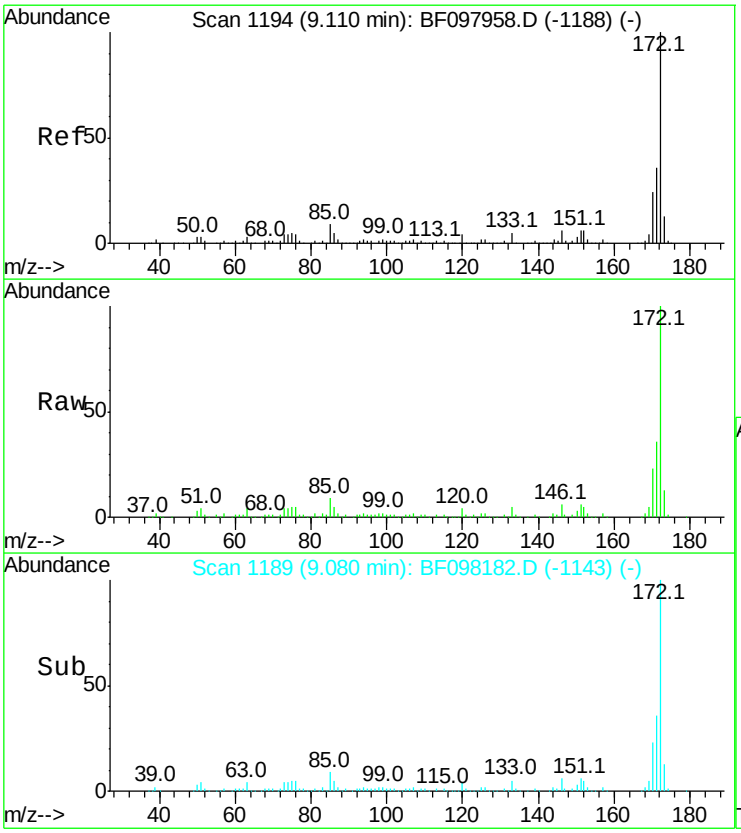
#41
2,4,6-Tribromophenol
Concen: 16.648 ng
RT: 10.54 min Scan# 1438
Delta R.T. -0.03 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 26758

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.6	115.0
141	45.4	31.4	47.2

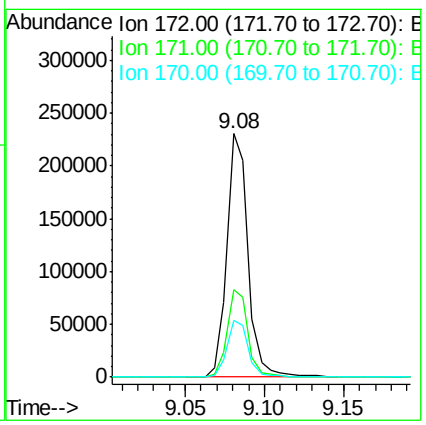


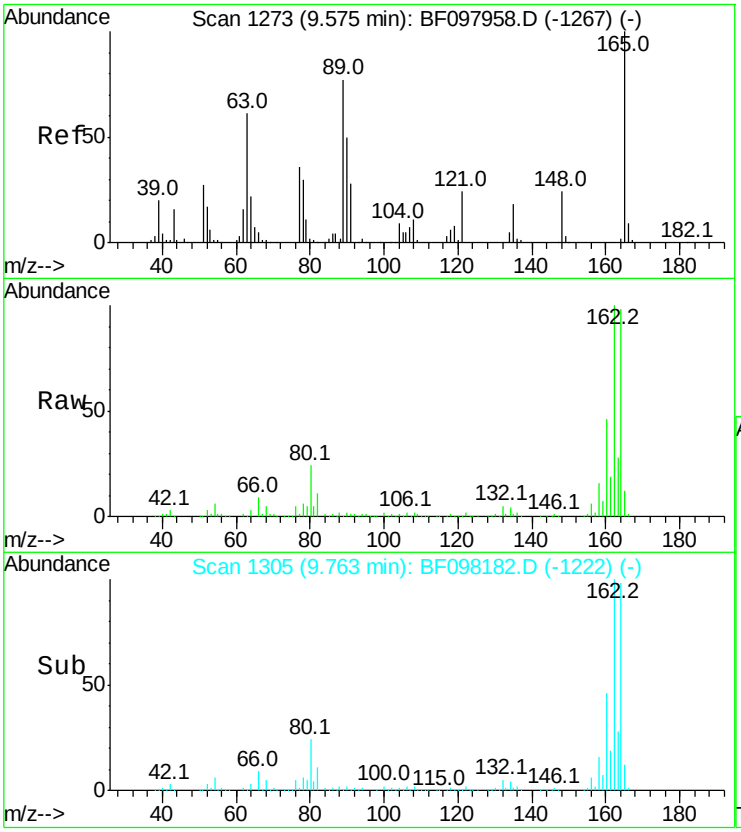


#44
2-Fluorobiphenyl
Concen: 16.905 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.03 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Tgt Ion:172 Resp: 213136

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	23.3	19.8	29.8



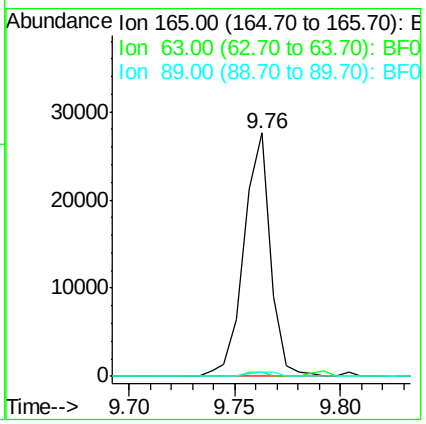


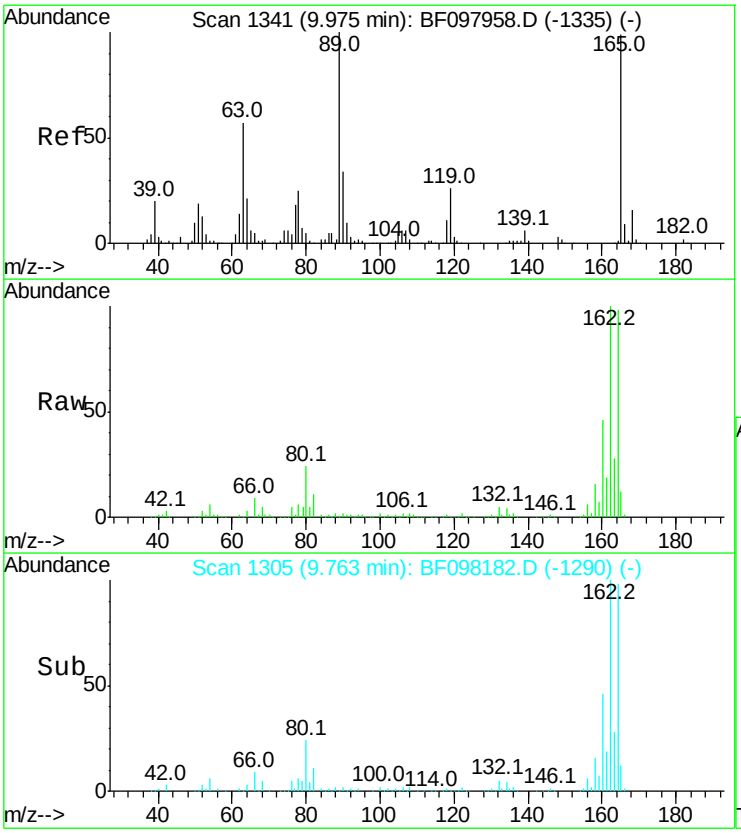
#50
2,6-Dinitrotoluene
Concen: 8.925 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.19 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 24122

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

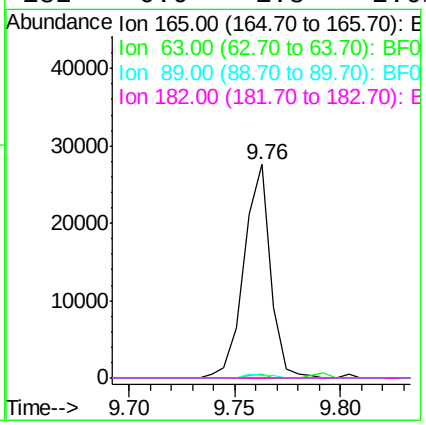


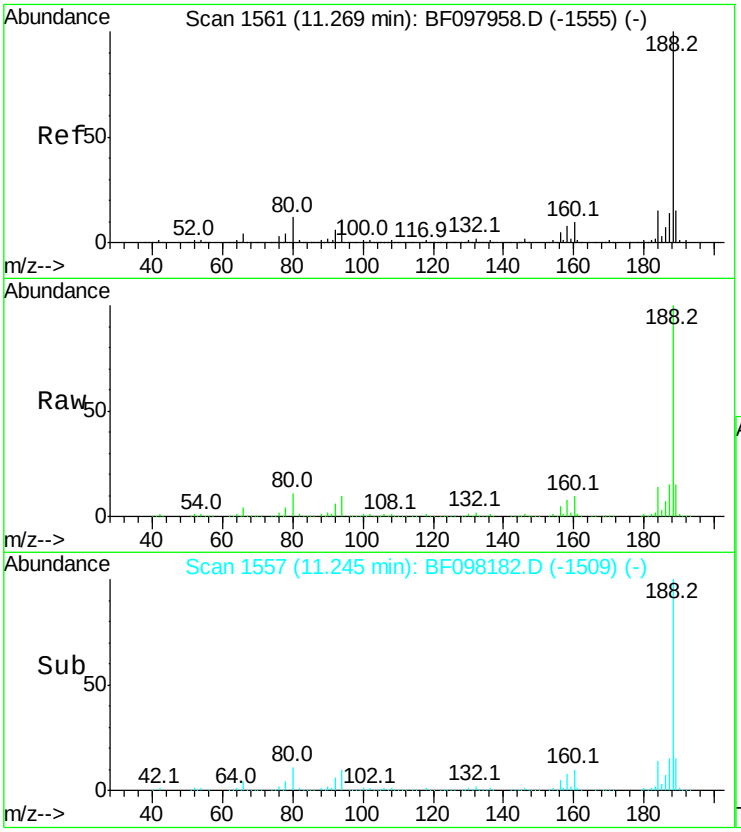


#56
2,4-Dinitrotoluene
Concen: 7.112 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.21 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Tgt Ion:165 Resp: 24122

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



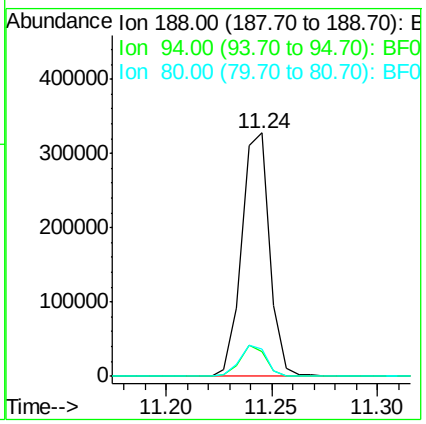


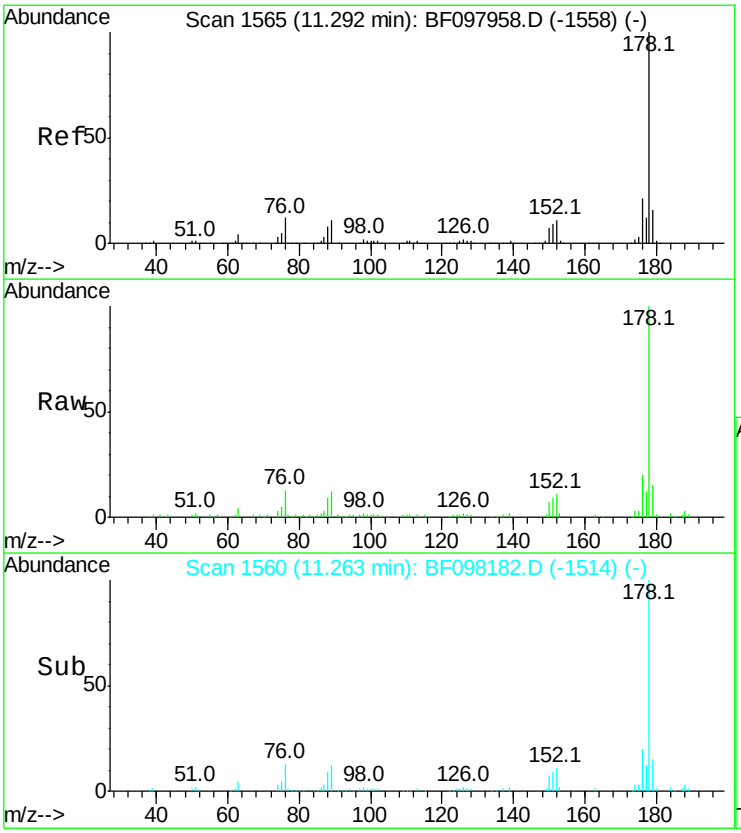
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1557
Delta R.T. -0.02 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 300770

Ion	Ratio	Lower	Upper
188	100		
94	10.3	9.4	14.2
80	11.3	10.2	15.2

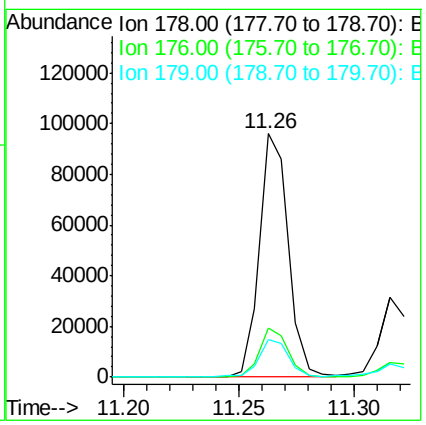


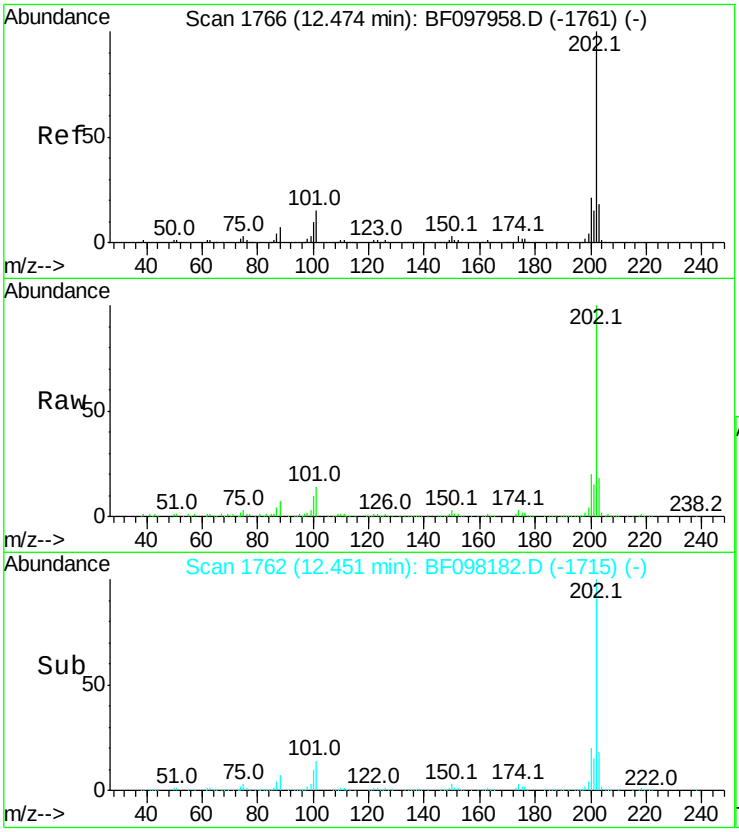


#70
Phenanthrene
Concen: 5.242 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.03 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Tgt Ion:178 Resp: 84014

Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.2	24.4
179	15.2	12.6	19.0



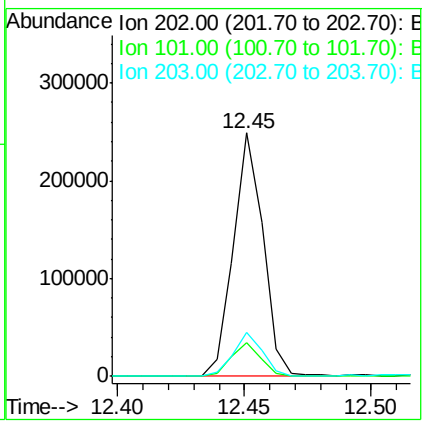


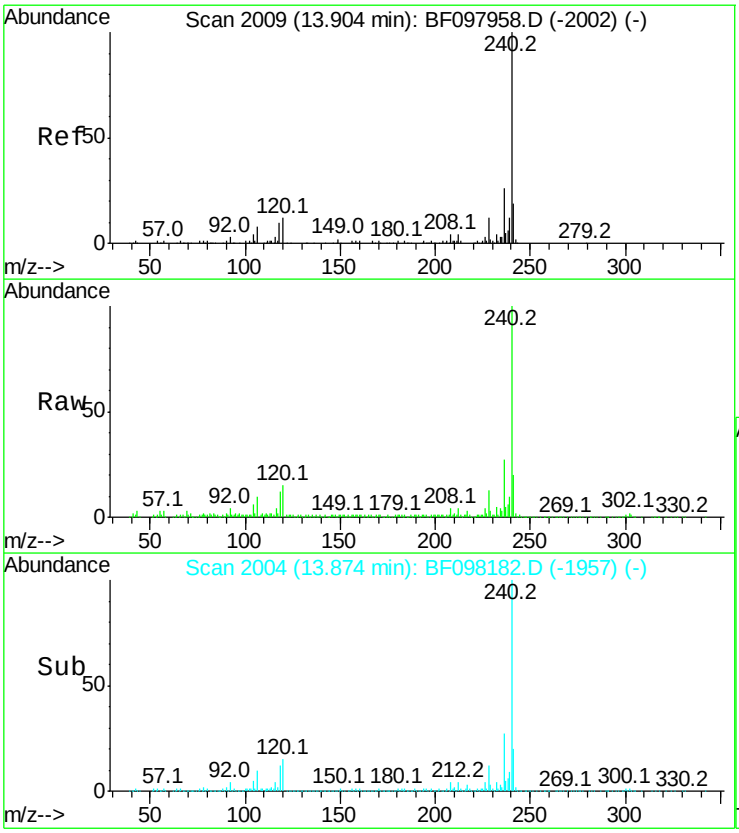
#74
Fluoranthene
Concen: 12.032 ng
RT: 12.45 min Scan# 1762
Delta R.T. -0.02 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 201279

Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	33.2
203	17.8	0.0	38.1

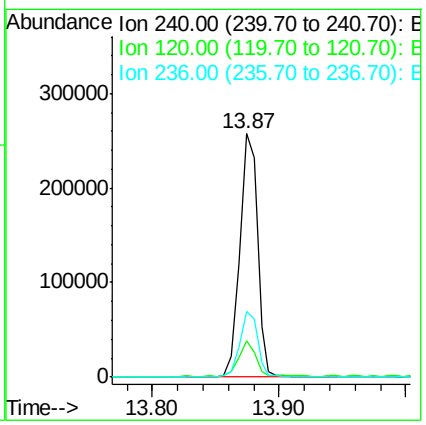


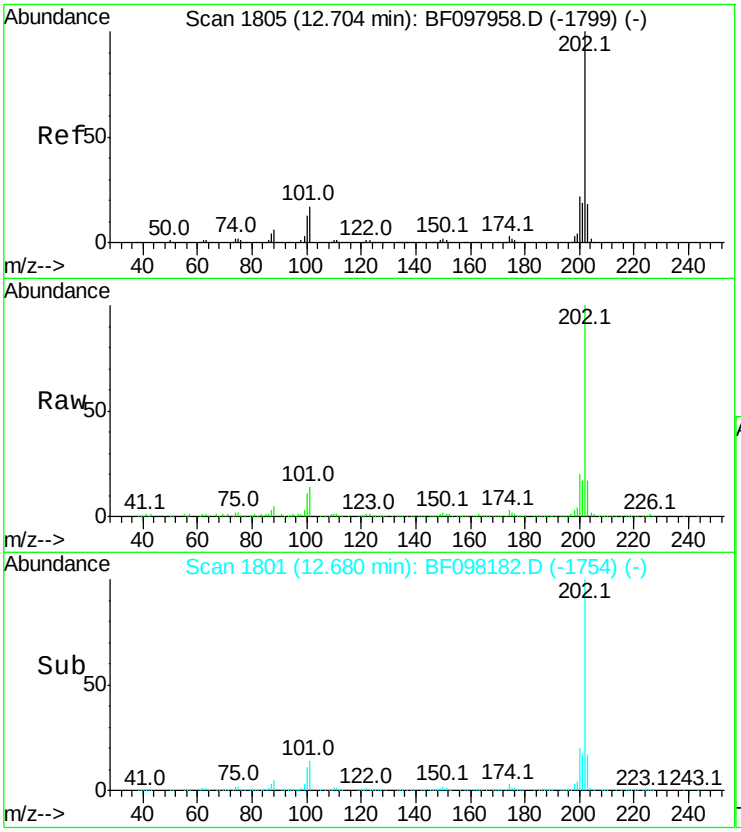


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.02 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Tgt Ion:240 Resp: 248207

Ion	Ratio	Lower	Upper
240	100		
120	15.1	5.8	8.8#
236	27.0	20.5	30.7



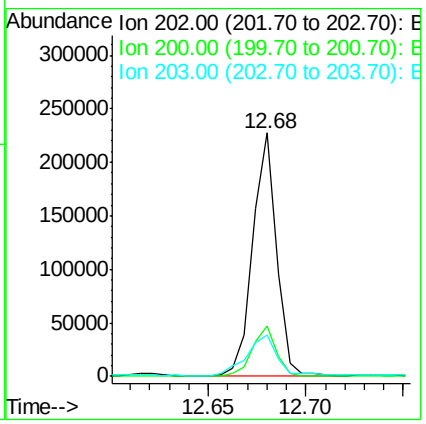


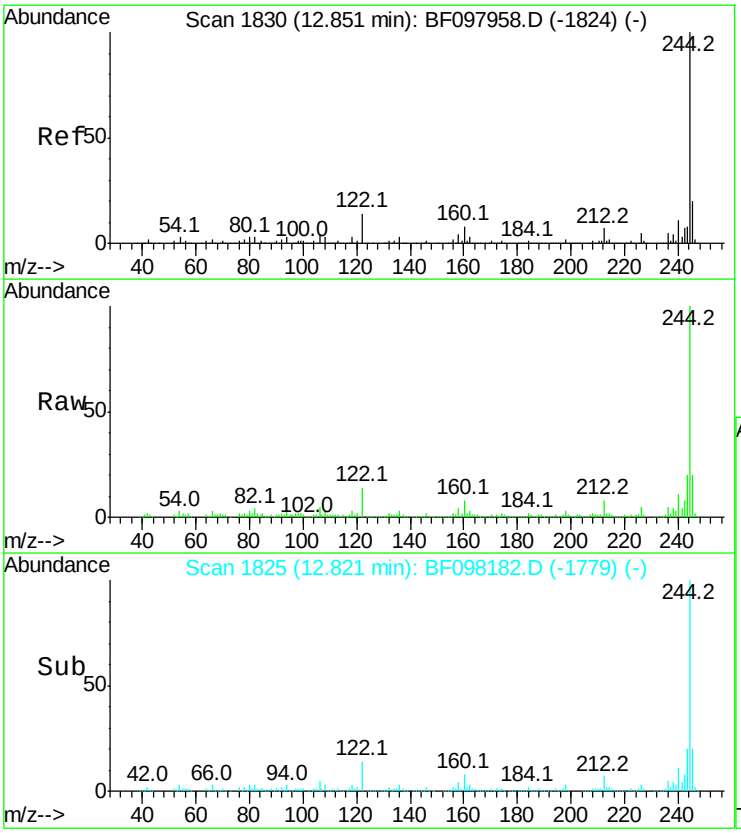
#77
Pyrene
Concen: 9.396 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.02 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 190748

Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.6	26.4
203	17.2	14.4	21.6

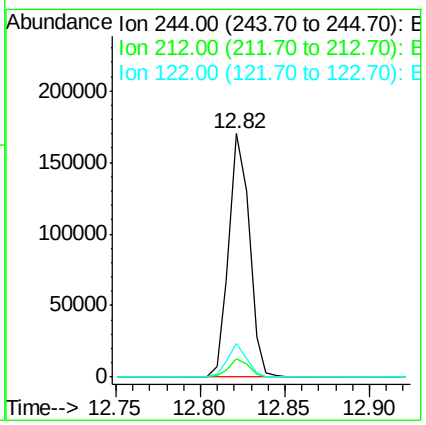


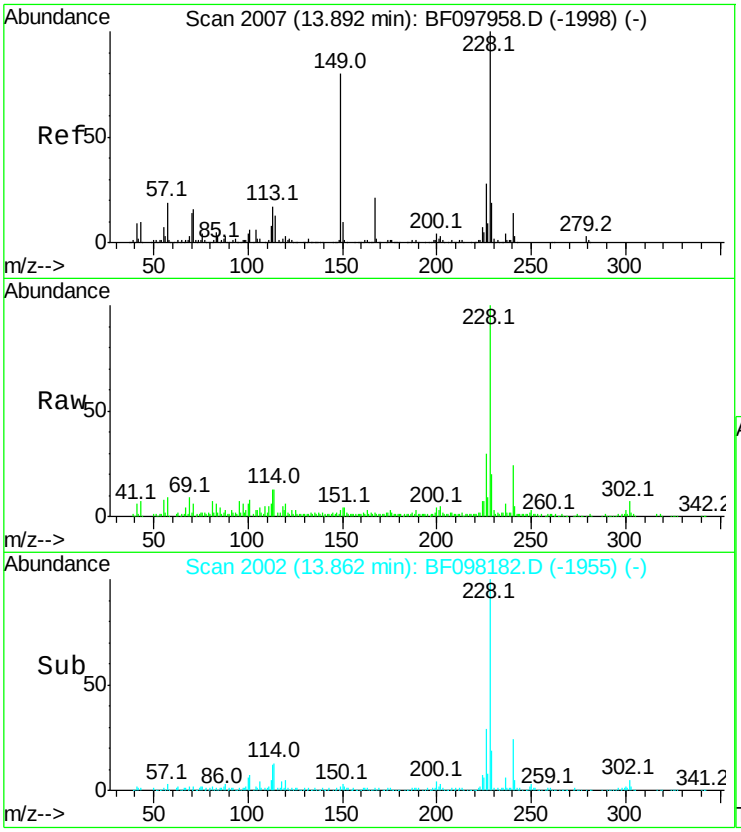


#78
Terphenyl-d14
Concen: 12.157 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.03 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Tgt Ion:244 Resp: 144703

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	13.7	10.3	15.5



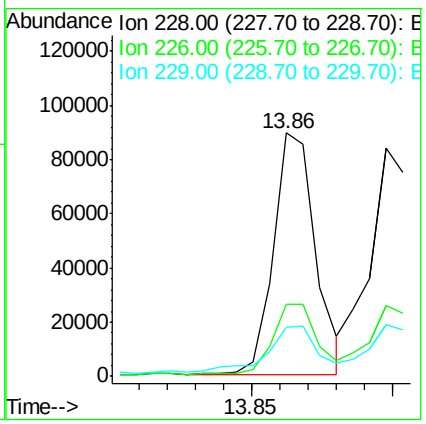


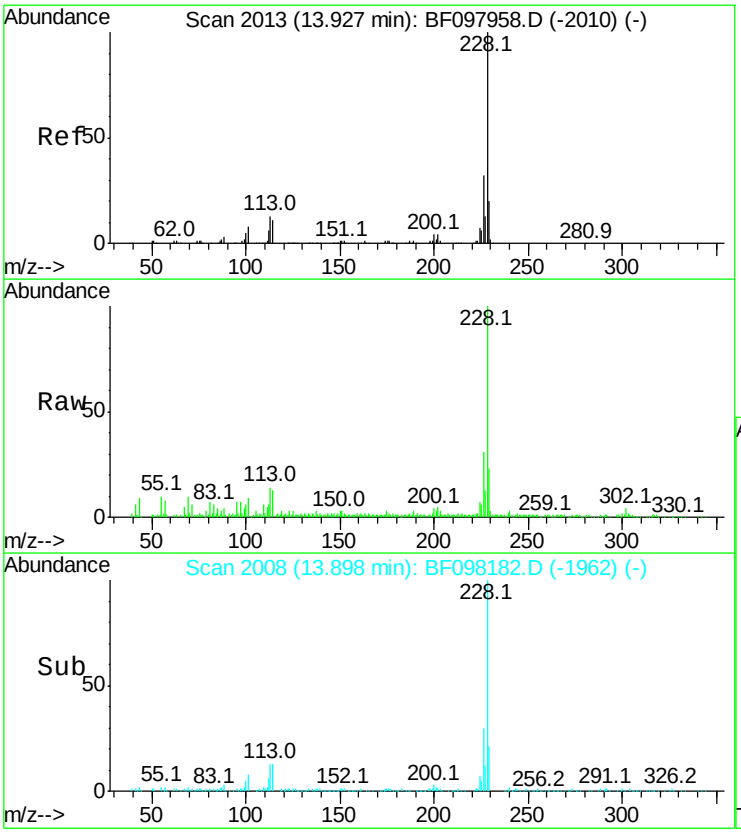
#80
Benzo(a)anthracene
Concen: 6.140 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.02 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 91332

Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.6	33.8
229	20.2	16.3	24.5

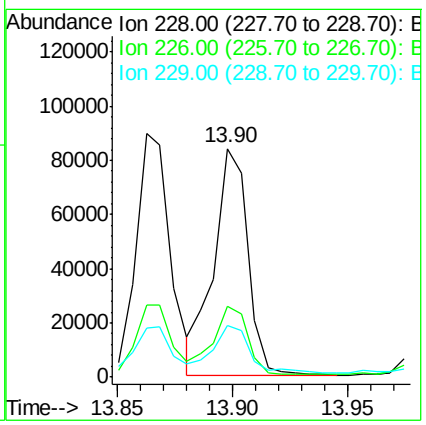


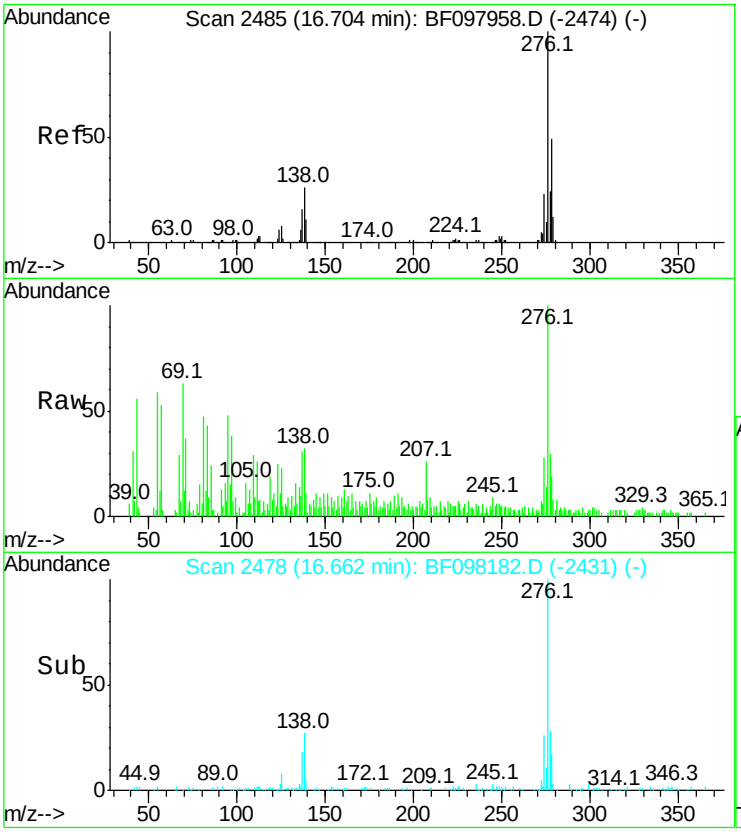


#82
Chrysene
Concen: 5.788 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.03 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Tgt Ion:228 Resp: 85655

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.9	37.3
229	22.6	15.8	23.6



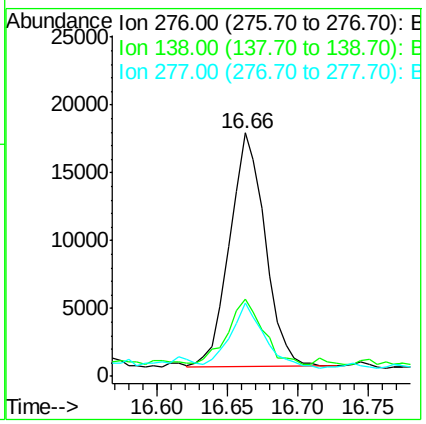


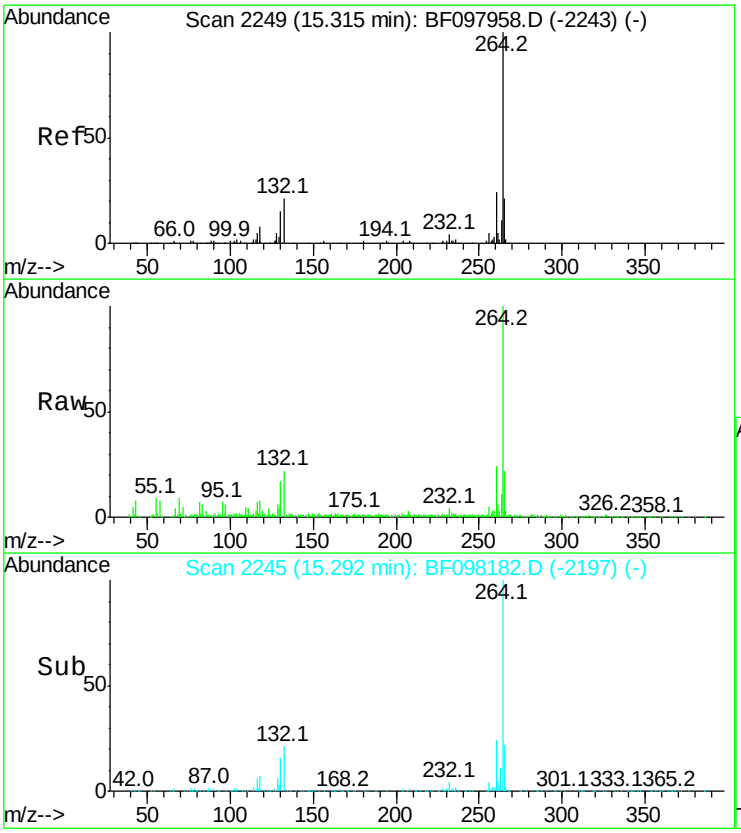
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.778 ng
RT: 16.66 min Scan# 2478
Delta R.T. -0.02 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 30240

Ion	Ratio	Lower	Upper
276	100		
138	28.2	27.8	41.6
277	27.2	20.2	30.4

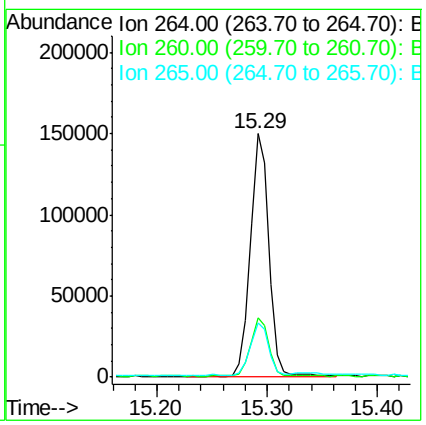


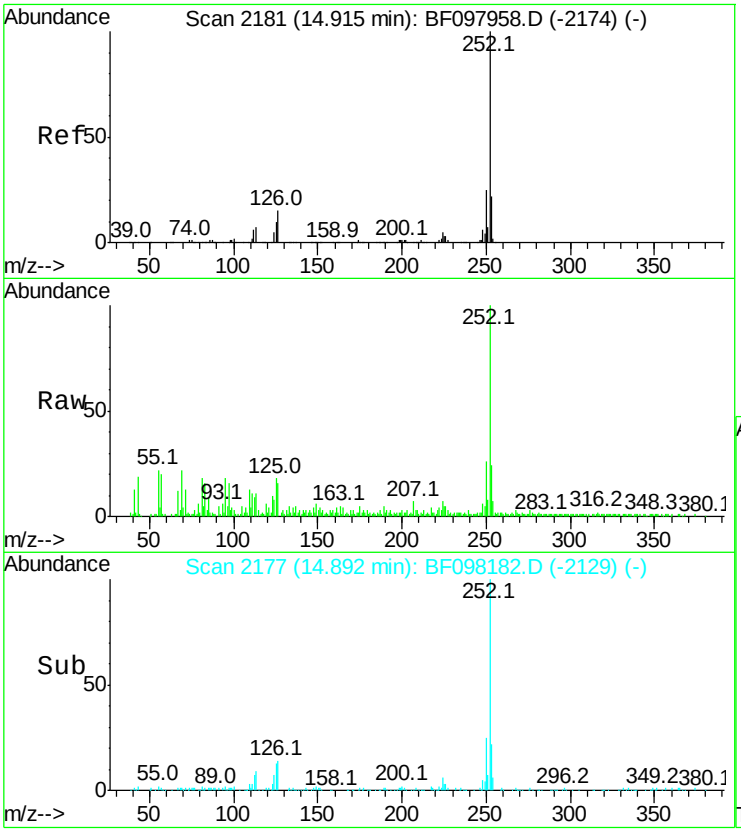


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.02 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Tgt Ion:264 Resp: 175764

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	22.3	17.2	25.8



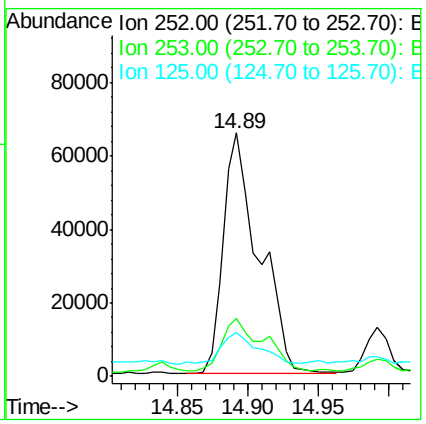


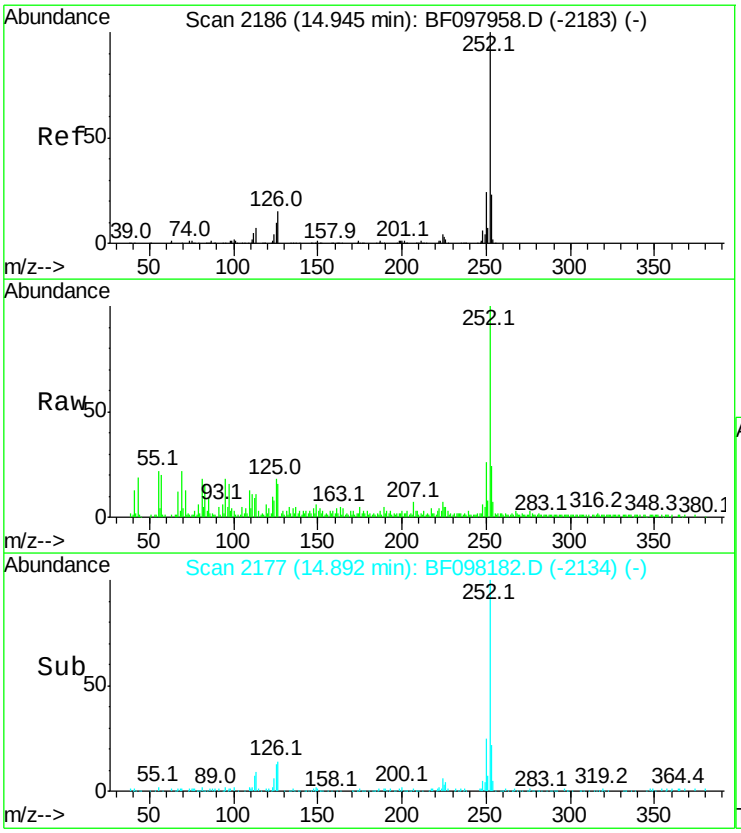
#87
Benzo(b)fluoranthene
Concen: 10.436 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.02 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 115622

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.1	27.1
125	18.0	9.8	14.8#

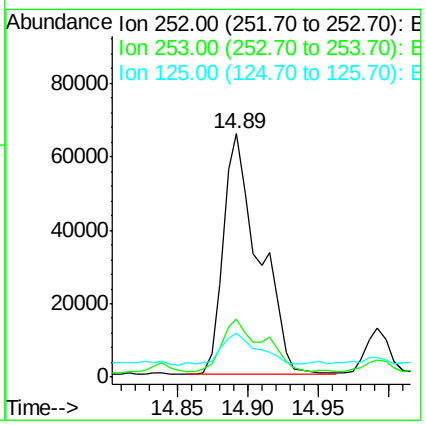


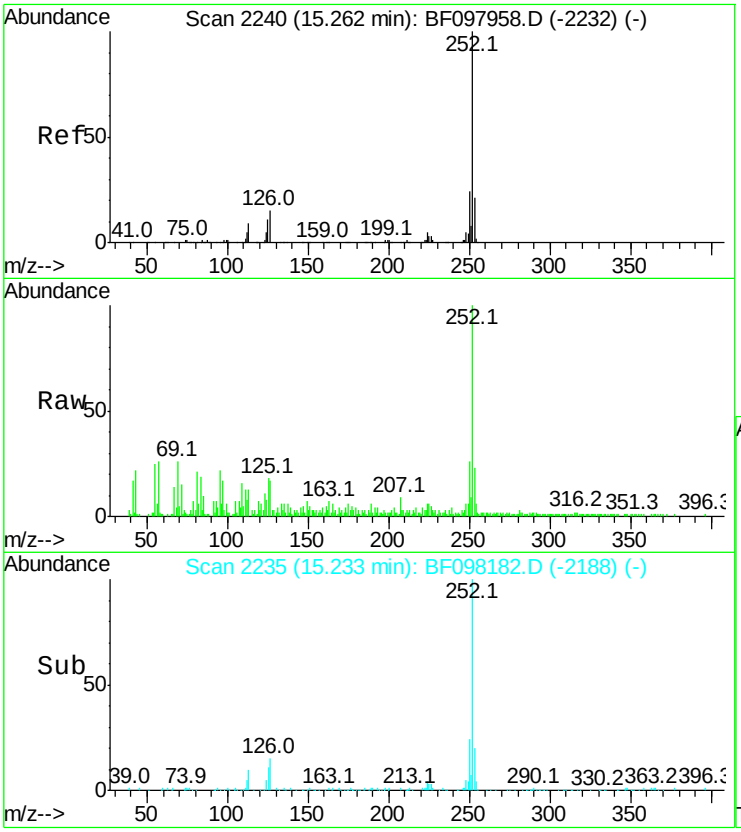


#88
Benzo(k)fluoranthene
Concen: 11.108 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.05 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Tgt Ion:252 Resp: 115622

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.4	27.6
125	18.0	13.1	19.7



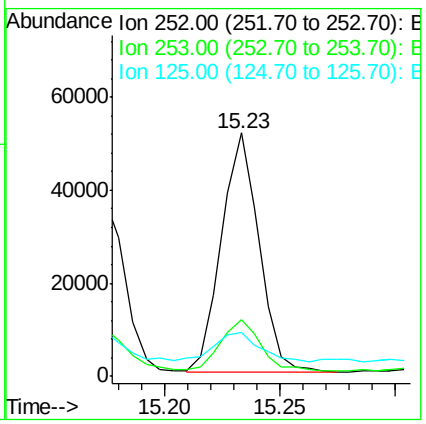


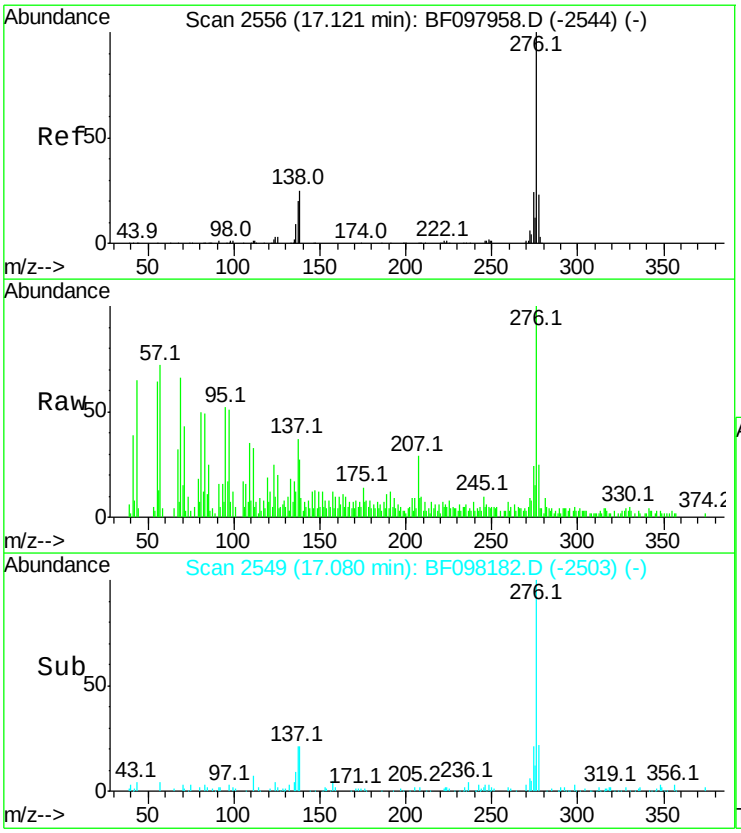
#89
Benzo(a)pyrene
Concen: 5.959 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.02 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 58450

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	18.1	11.0	16.4#





#91
Benzo(g,h,i)perylene
Concen: 3.770 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.03 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Tgt Ion:276 Resp: 31413

Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.6	28.0
138	26.7	25.4	38.0