Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072617\
Data File : BF097071.D
Acq On : 26 Jul 2017 13:18
Operator : SJ/JU
Sample : I4443-02 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Jul 26 13:49:09 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 14:11:51 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	111350	20.00	ng		0.00
21) Naphthalene-d8	7.78	136	453839	20.00	ng		0.00
38) Acenaphthene-d10	9.52	164	216693	20.00	ng		-0.01
63) Phenanthrene-d10	11.00	188	375060	20.00	ng		0.00
75) Chrysene-d12	13.63	240	275619	20.00	ng		0.00
86) Perylene-d12	14.97	264	200415	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.09	112	185486	25.11	ng		0.00
7) Phenol-d6	6.15	99	243387	28.86	ng		-0.02
23) Nitrobenzene-d5	7.06	82	134494	17.38	ng		-0.02
41) 2,4,6-Tribromophenol	10.31	330	49339	28.82	ng		-0.01
44) 2-Fluorobiphenyl	8.86	172	193919	15.19	ng		-0.01
78) Terphenyl-d14	12.59	244	147709	10.93	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.06	70	17819	3.210	ng	#	84
25) Isophorone	7.06	82	131664	8.690	ng	#	67
50) 2,6-Dinitrotoluene	9.52	165	28085	8.047	ng	#	34
56) 2,4-Dinitrotoluene	9.52	165	28085	7.000	ng	#	33
59) Diethylphthalate	9.95	149	40916	2.710	ng		98
70) Phenanthrene	11.02	178	210407	10.470	ng		97
71) Anthracene	11.07	178	53033	2.577	ng		96
74) Fluoranthene	12.20	202	332886	16.909	ng		98
77) Pyrene	12.43	202	348876	15.462	ng		98
80) Benzo(a)anthracene	13.62	228	128777	7.221	ng		98
82) Chrysene	13.65	228	105292	6.046	ng		97
85) Indeno(1,2,3-cd)pyrene	16.20	276	49586	3.321	ng		96
87) Benzo(b)fluoranthene	14.62	252	139340	11.566	ng	#	95
88) Benzo(k)fluoranthene	14.62	252	139340	12.138	ng		96
89) Benzo(a)pyrene	14.92	252	92428	8.383	ng		98
91) Benzo(g,h,i)perylene	16.56	276	57889	6.105	ng		96

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

Quantitation Report (Not Reviewed)

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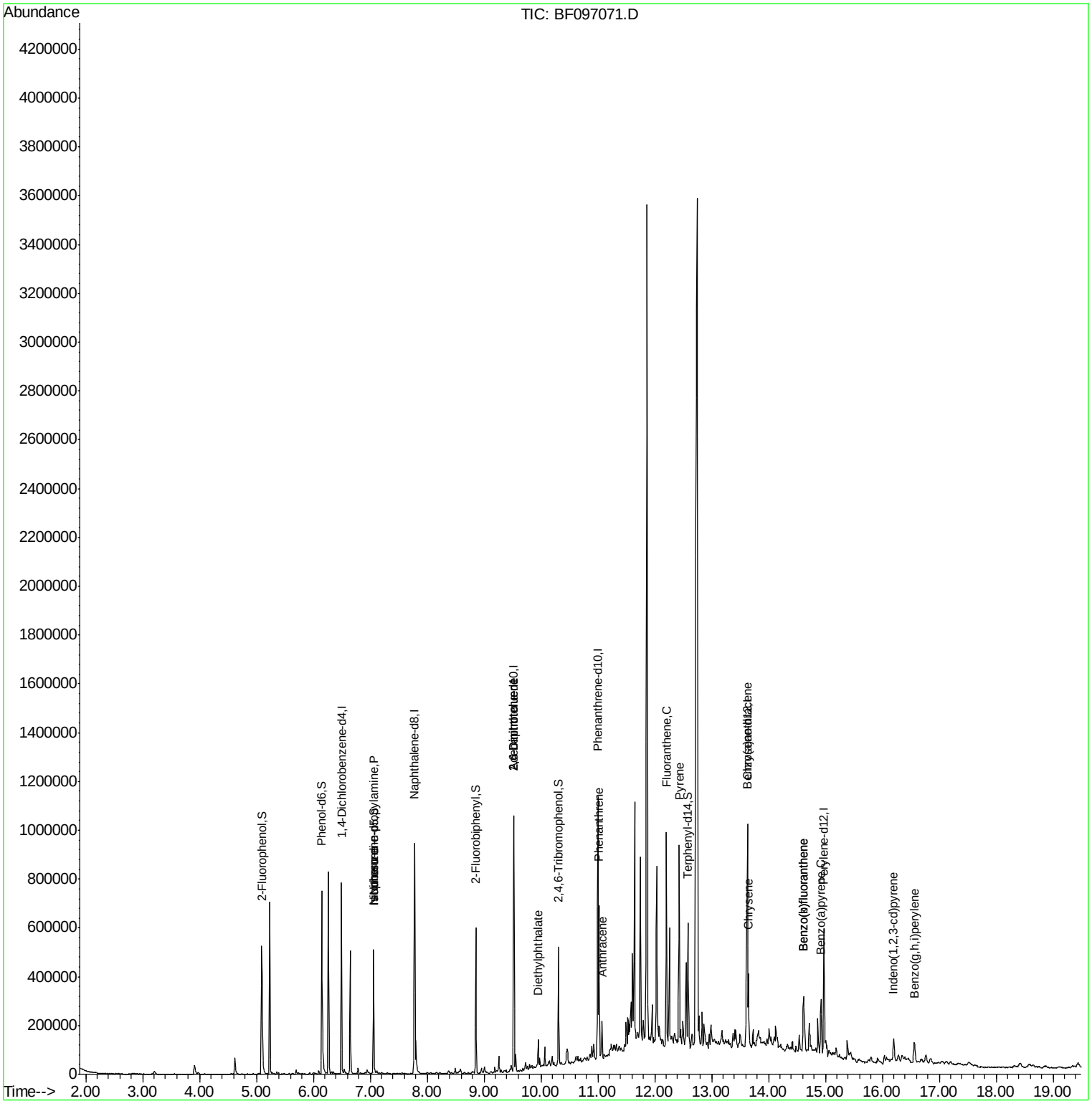
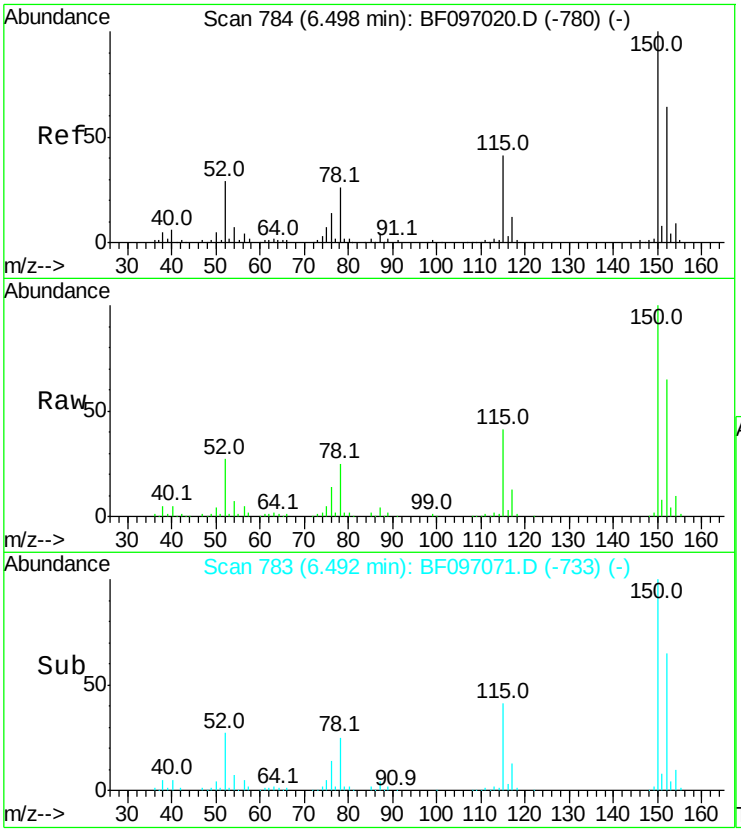


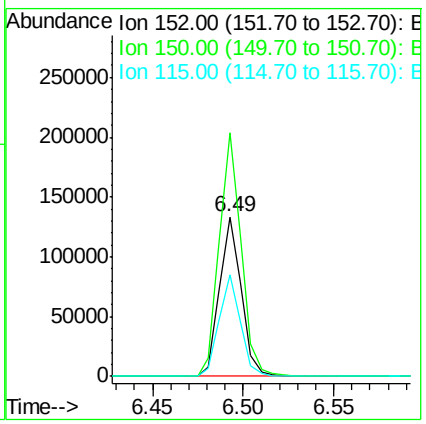


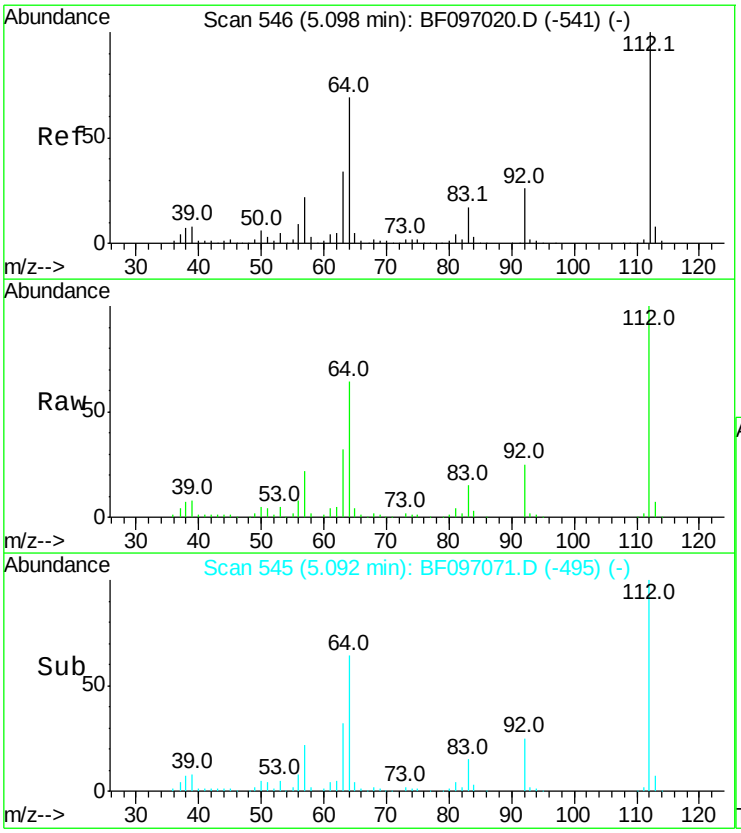
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 111350

Ion	Ratio	Lower	Upper
152	100		
150	152.8	126.2	189.2
115	63.4	52.2	78.2

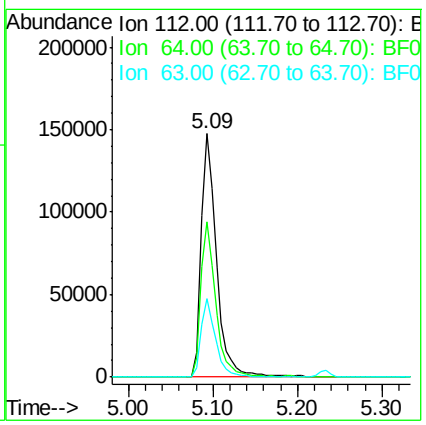


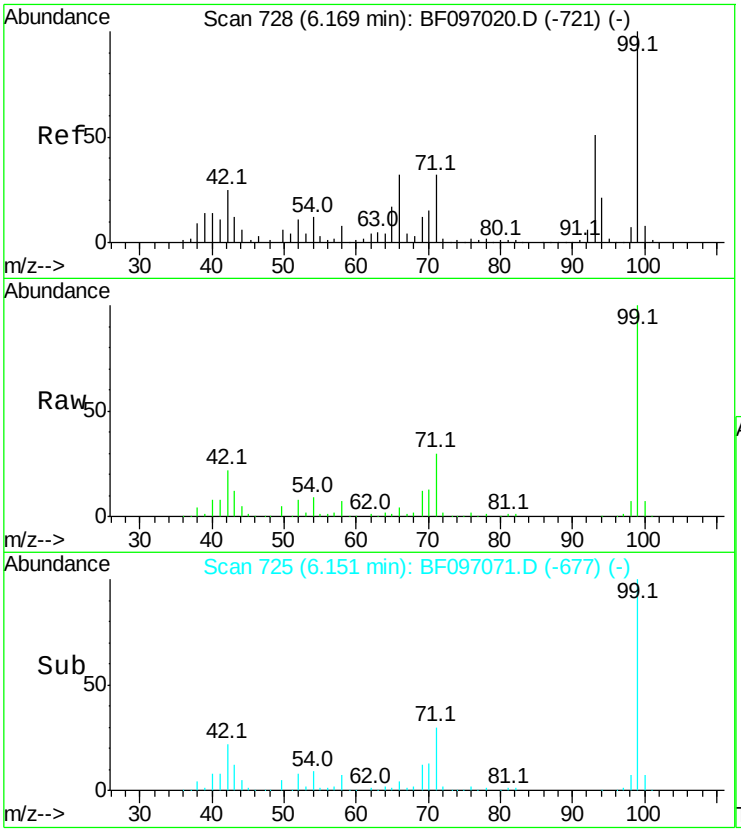


#5
2-Fluorophenol
Concen: 25.112 ng
RT: 5.09 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Tgt Ion:112 Resp: 185486

Ion	Ratio	Lower	Upper
112	100		
64	63.6	46.0	69.0
63	32.2	23.4	35.0



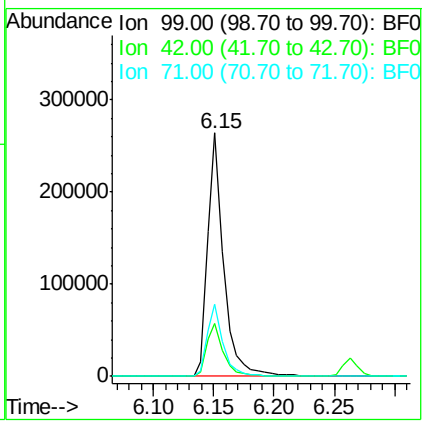


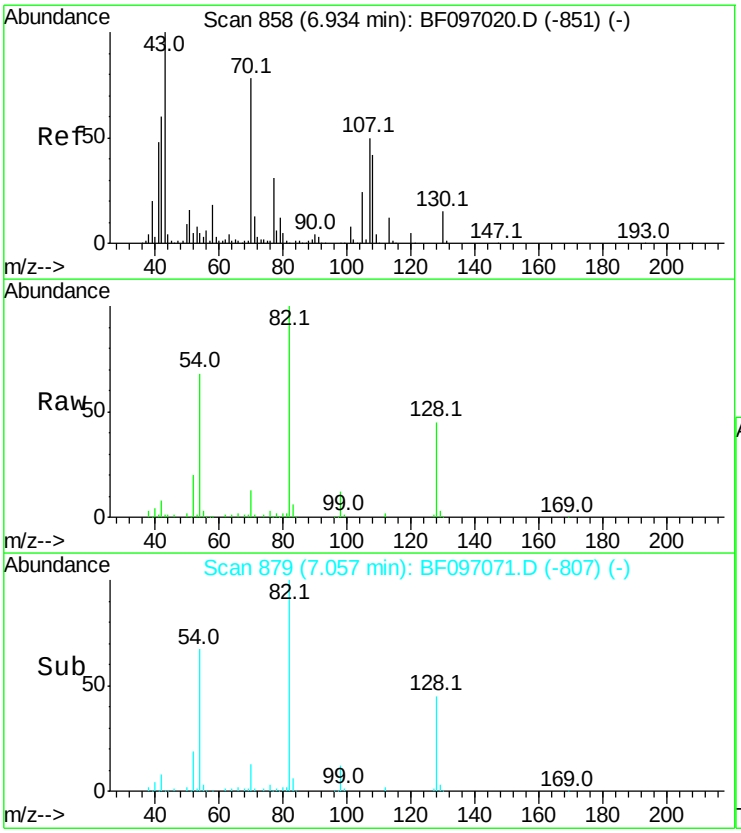
#7
Phenol-d6
Concen: 28.863 ng
RT: 6.15 min Scan# 725
Delta R.T. -0.02 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 243387

Ion	Ratio	Lower	Upper
99	100		
42	21.9	13.5	20.3#
71	29.9	24.5	36.7

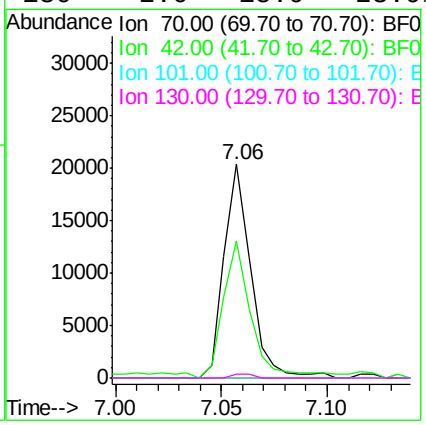


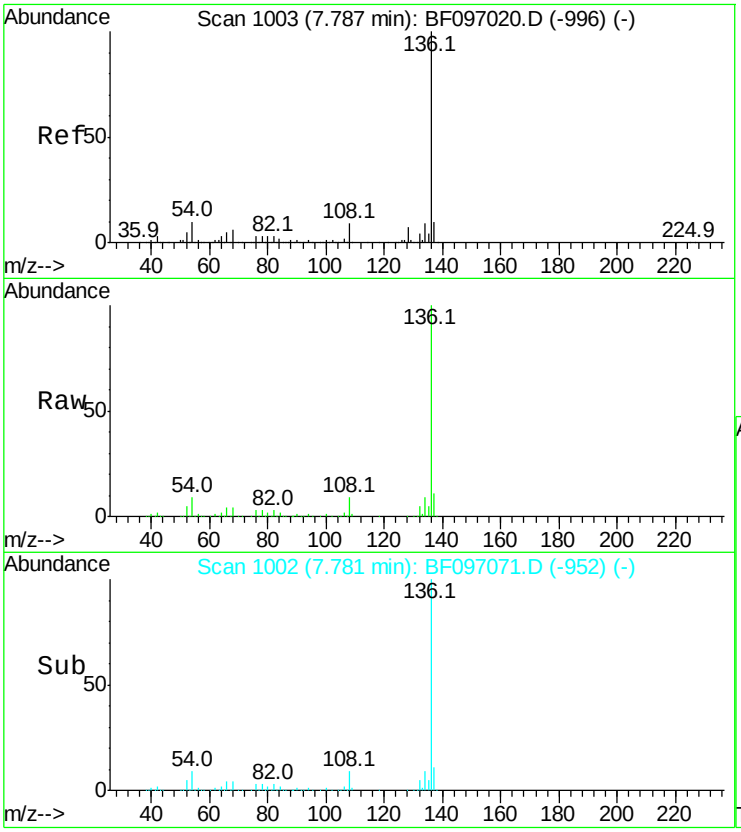


#19
n-Nitroso-di-n-propylamine
Concen: 3.210 ng
RT: 7.06 min Scan# 879
Delta R.T. 0.12 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Tgt Ion: 70 Resp: 17819

Ion	Ratio	Lower	Upper
70	100		
42	64.1	47.2	70.8
101	0.0	7.2	10.8#
130	2.0	15.9	23.9#



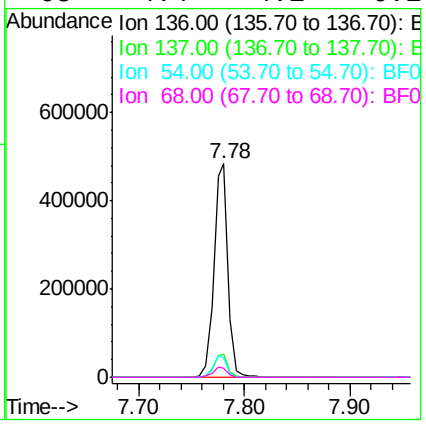


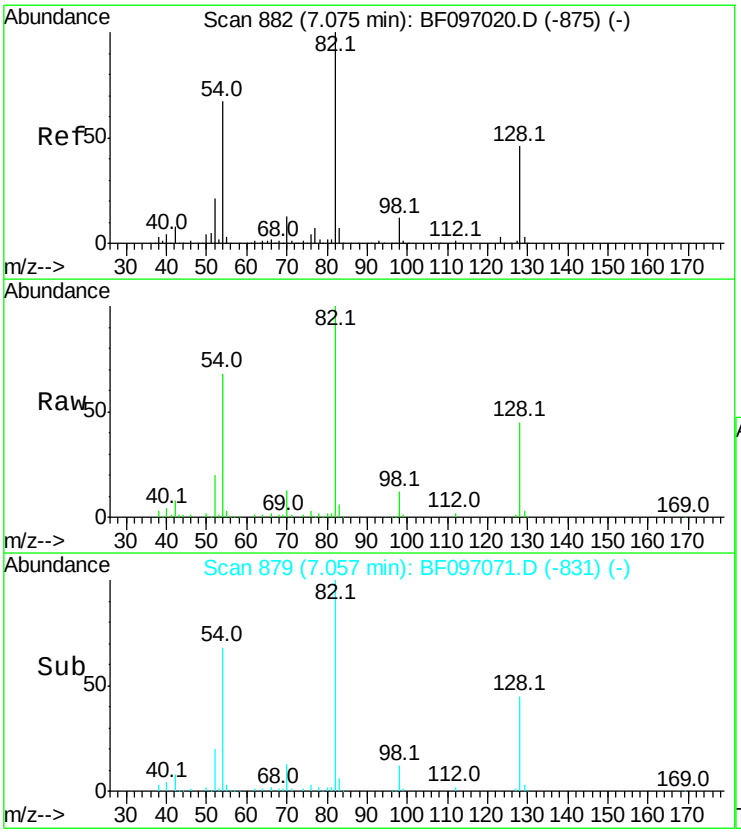
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.78 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 453839

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	9.1	4.9	7.3#
68	4.4	4.1	6.1

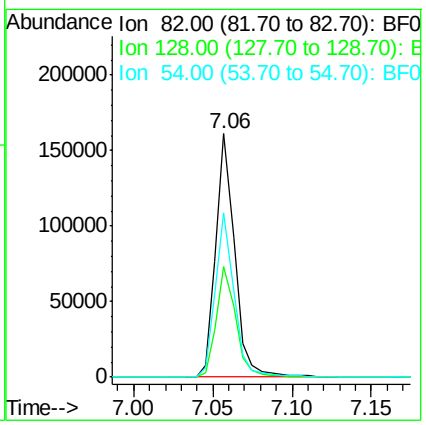


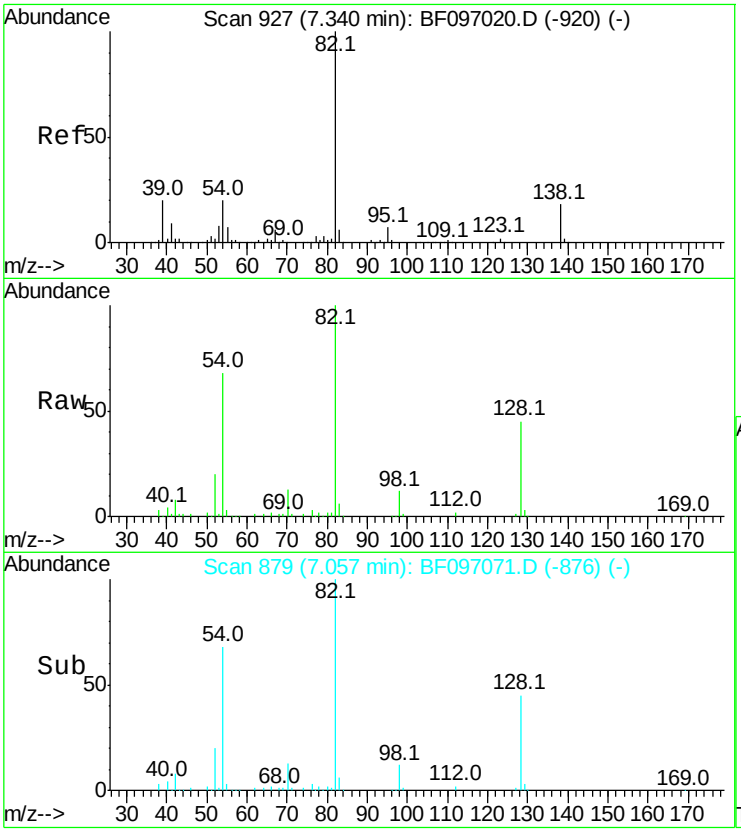


#23
Nitrobenzene-d5
Concen: 17.385 ng
RT: 7.06 min Scan# 879
Delta R.T. -0.02 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Tgt Ion: 82 Resp: 134494

Ion	Ratio	Lower	Upper
82	100		
128	45.3	34.0	51.0
54	67.6	42.2	63.2#



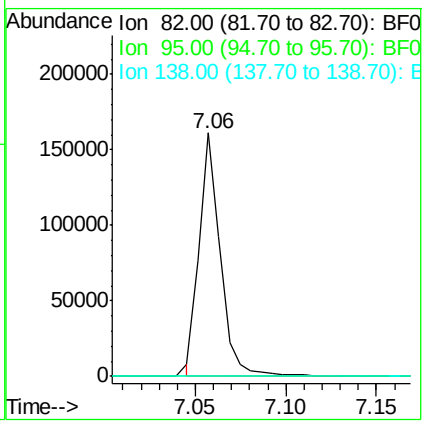


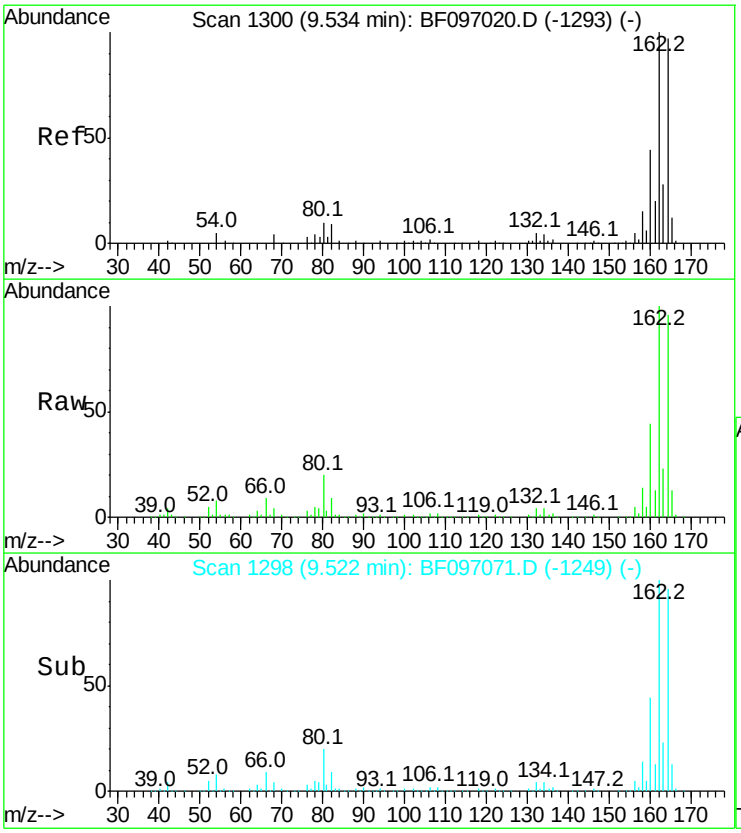
#25
Isophorone
Concen: 8.690 ng
RT: 7.06 min Scan# 879
Delta R.T. -0.28 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 131664

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

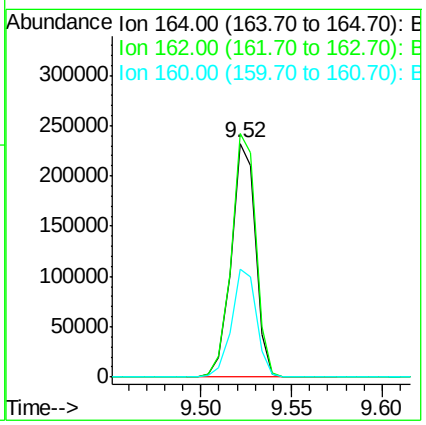


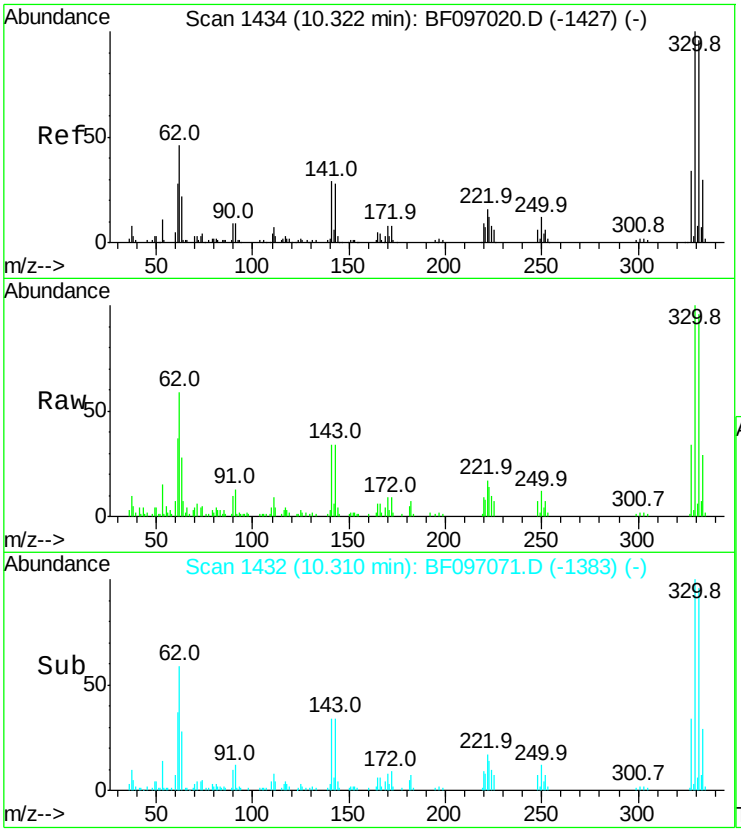


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.52 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Tgt Ion:164 Resp: 216693

Ion	Ratio	Lower	Upper
164	100		
162	104.1	82.6	123.8
160	46.3	36.2	54.2



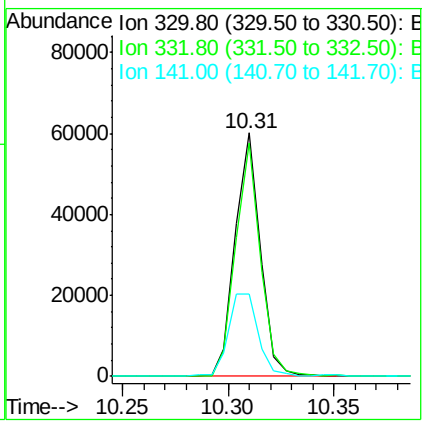


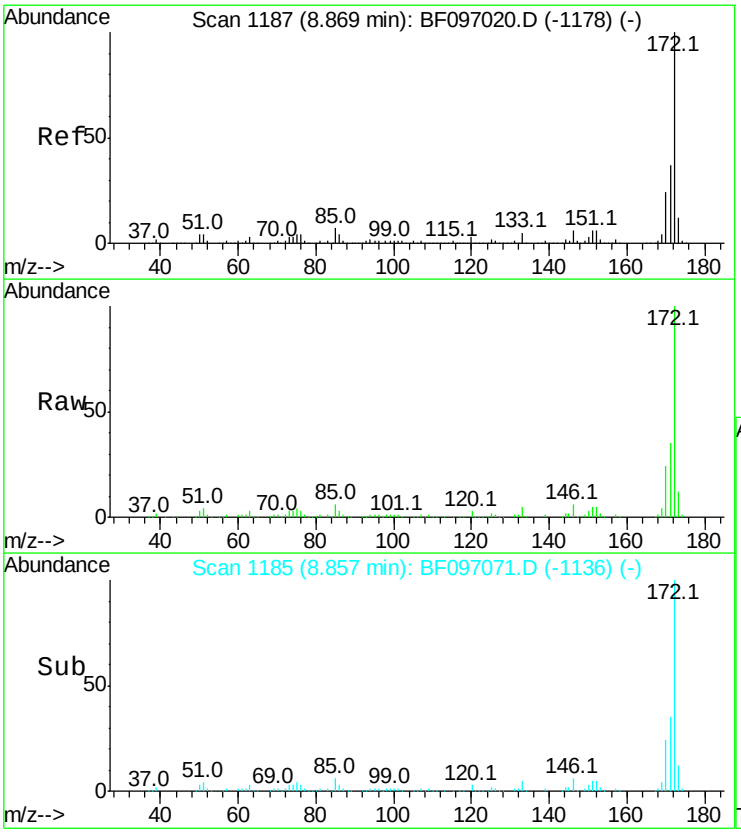
#41
2,4,6-Tribromophenol
Concen: 28.818 ng
RT: 10.31 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 49339

Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.6	115.0
141	40.2	31.4	47.2

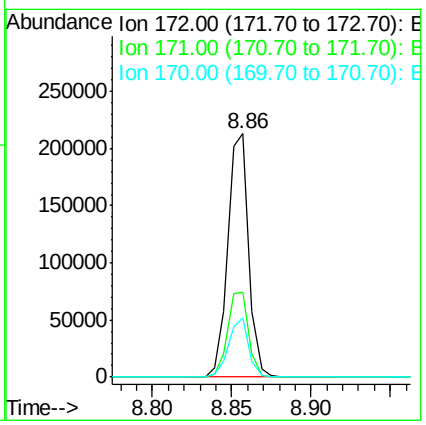


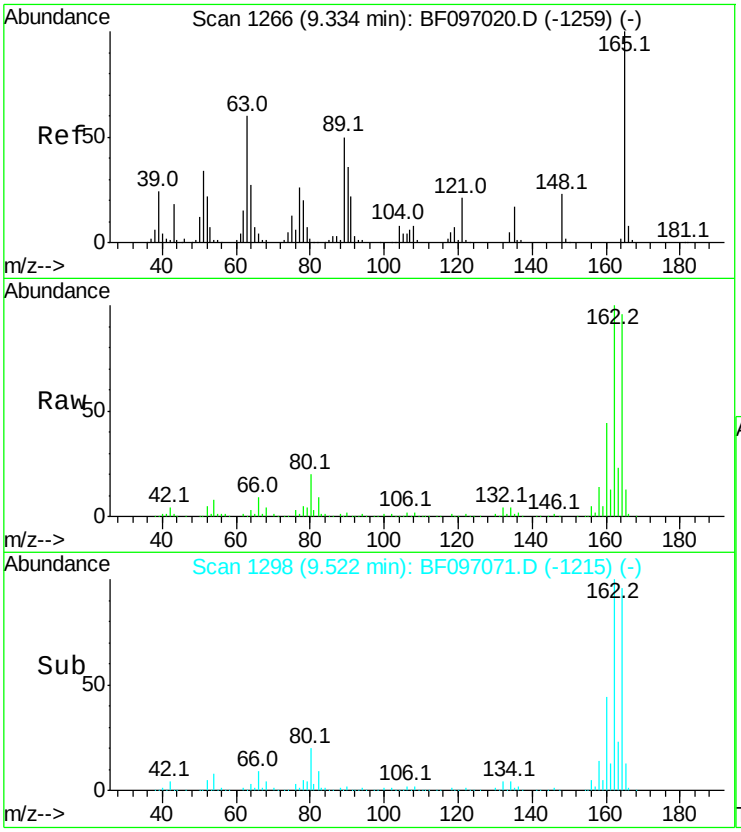


#44
2-Fluorobiphenyl
Concen: 15.187 ng
RT: 8.86 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Tgt Ion:172 Resp: 193919

Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.6	44.4
170	24.4	19.8	29.8



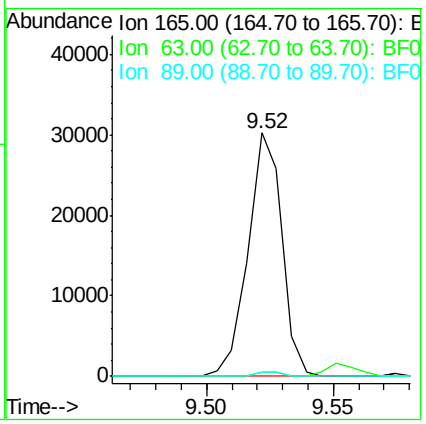


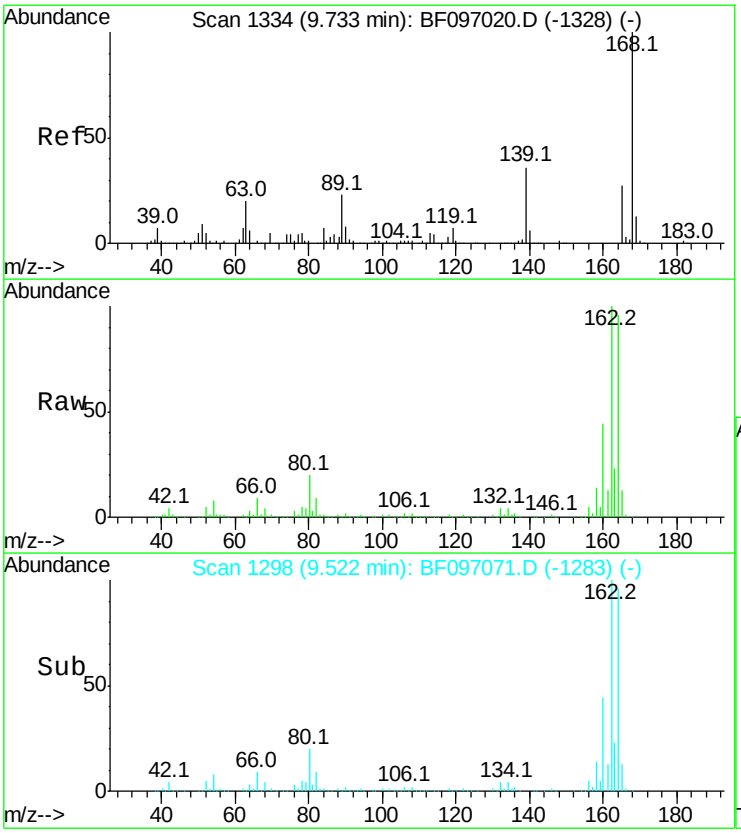
#50
2,6-Dinitrotoluene
Concen: 8.047 ng
RT: 9.52 min Scan# 1298
Delta R.T. 0.19 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 28085

Ion	Ratio	Lower	Upper
165	100		
63	1.6	34.3	51.5#
89	1.5	37.1	55.7#

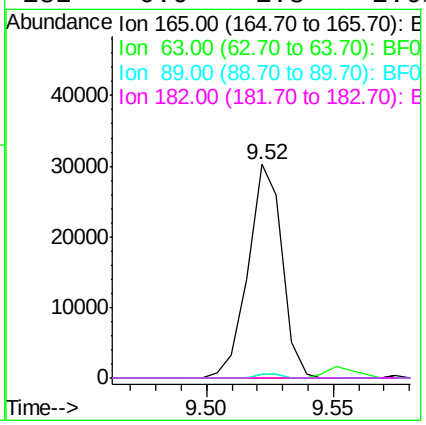


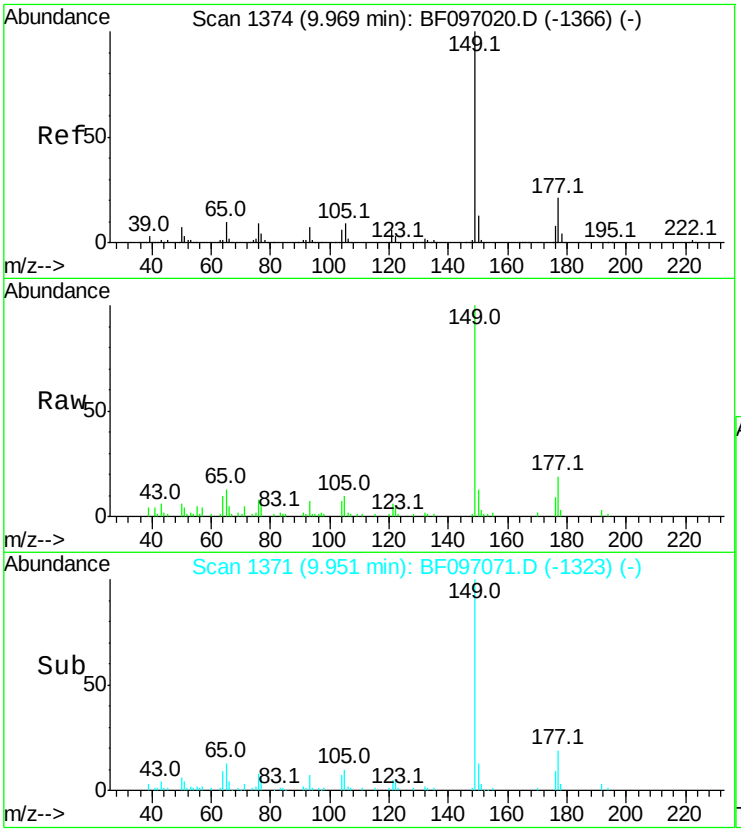


#56
2,4-Dinitrotoluene
Concen: 7.000 ng
RT: 9.52 min Scan# 1298
Delta R.T. -0.21 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Tgt Ion:165 Resp: 28085

Ion	Ratio	Lower	Upper
165	100		
63	1.6	25.4	38.0#
89	1.5	46.4	69.6#
182	0.0	1.8	2.6#



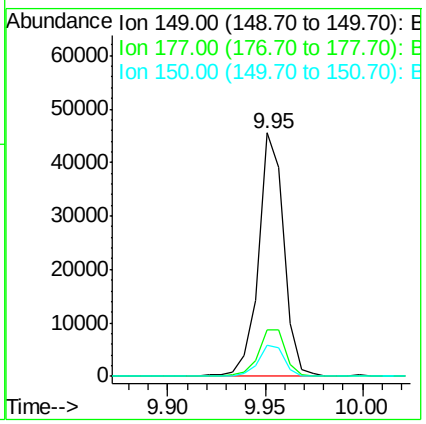


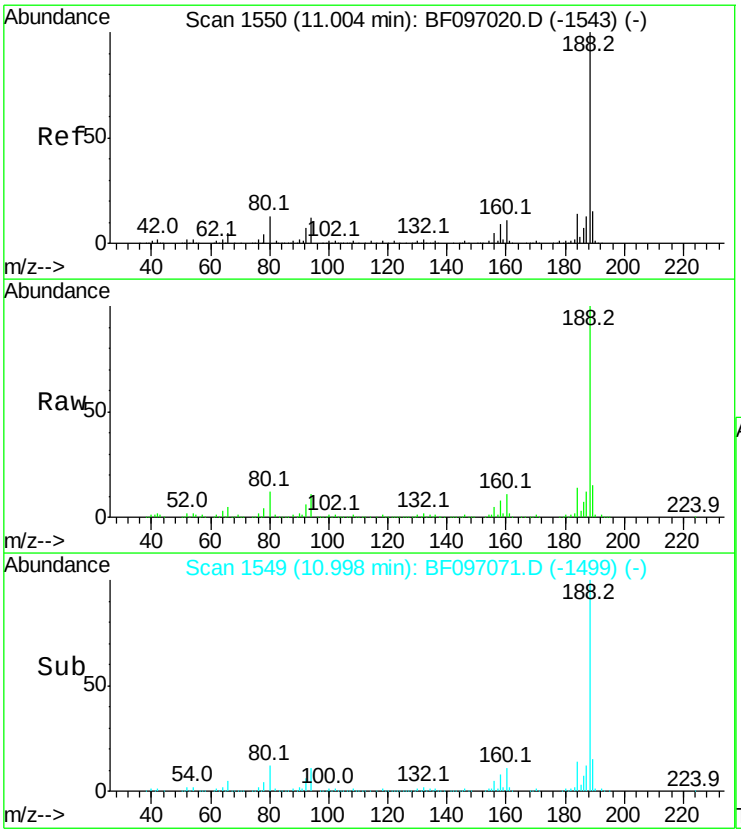
#59
Diethylphthalate
Concen: 2.710 ng
RT: 9.95 min Scan# 1371
Delta R.T. -0.02 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:149 Resp: 40916

Ion	Ratio	Lower	Upper
149	100		
177	19.1	16.7	25.1
150	12.7	10.2	15.2

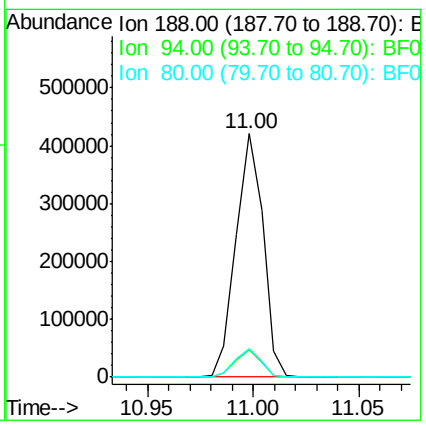


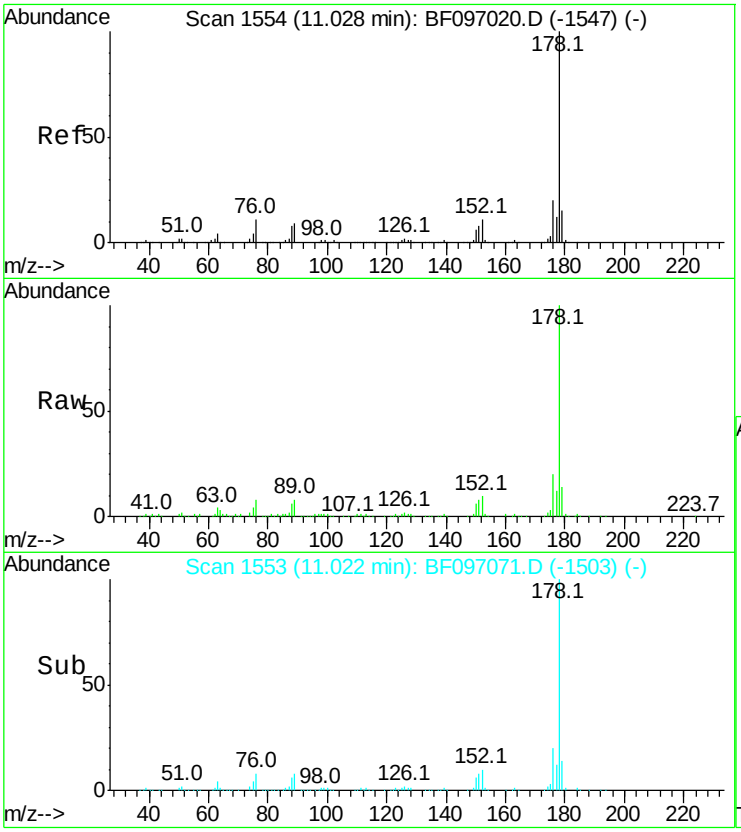


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.00 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Tgt Ion:188 Resp: 375060

Ion	Ratio	Lower	Upper
188	100		
94	11.4	9.4	14.2
80	11.8	10.2	15.2



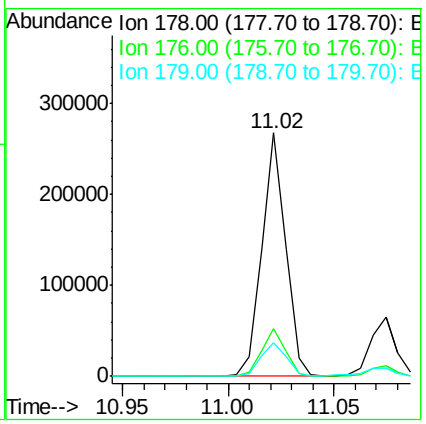


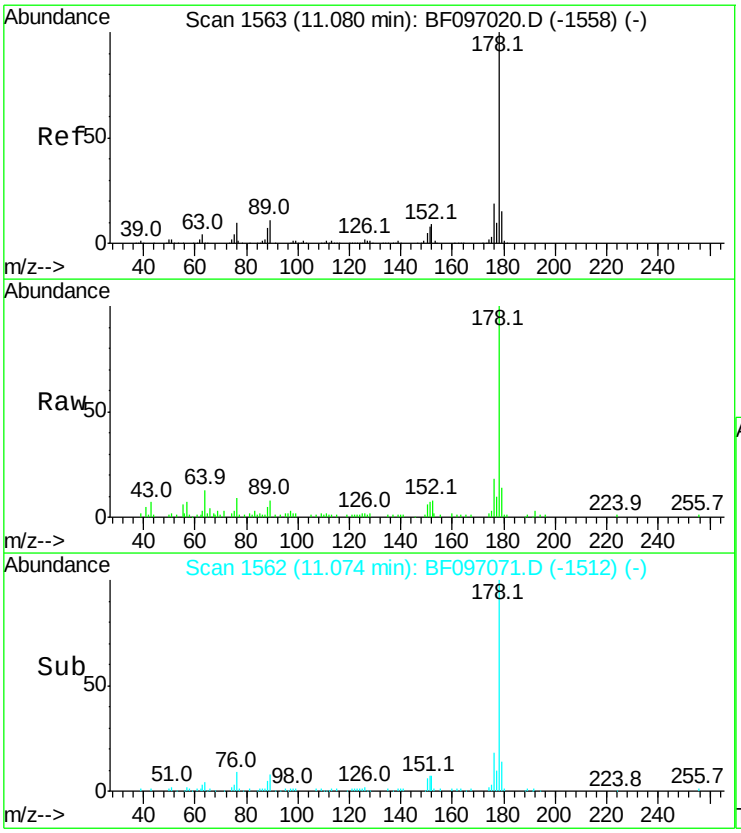
#70
Phenanthrene
Concen: 10.470 ng
RT: 11.02 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 210407

Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.2	24.4
179	13.9	12.6	19.0

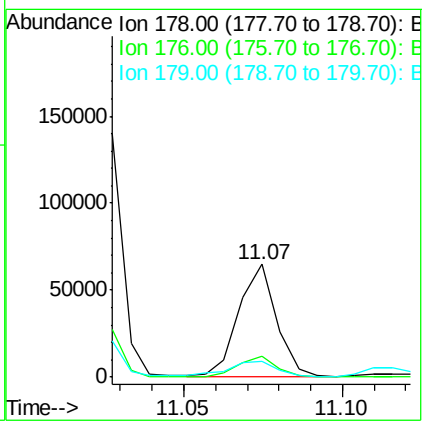


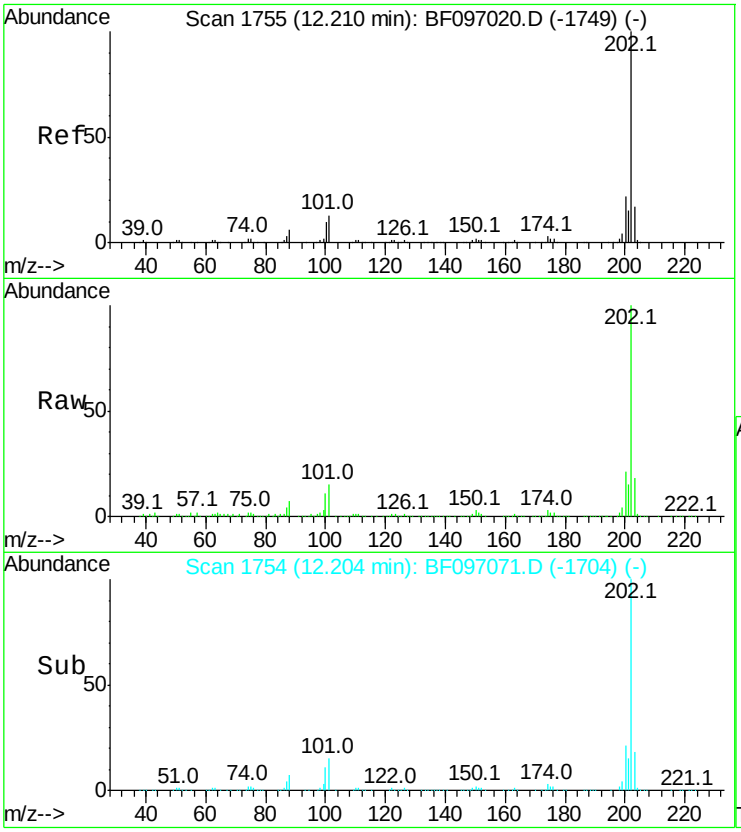


#71
Anthracene
Concen: 2.577 ng
RT: 11.07 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Tgt Ion:178 Resp: 53033

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	14.3	12.7	19.1



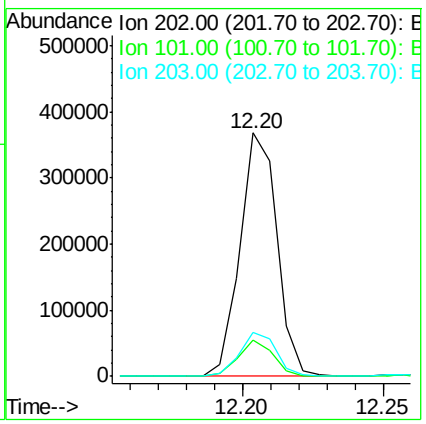


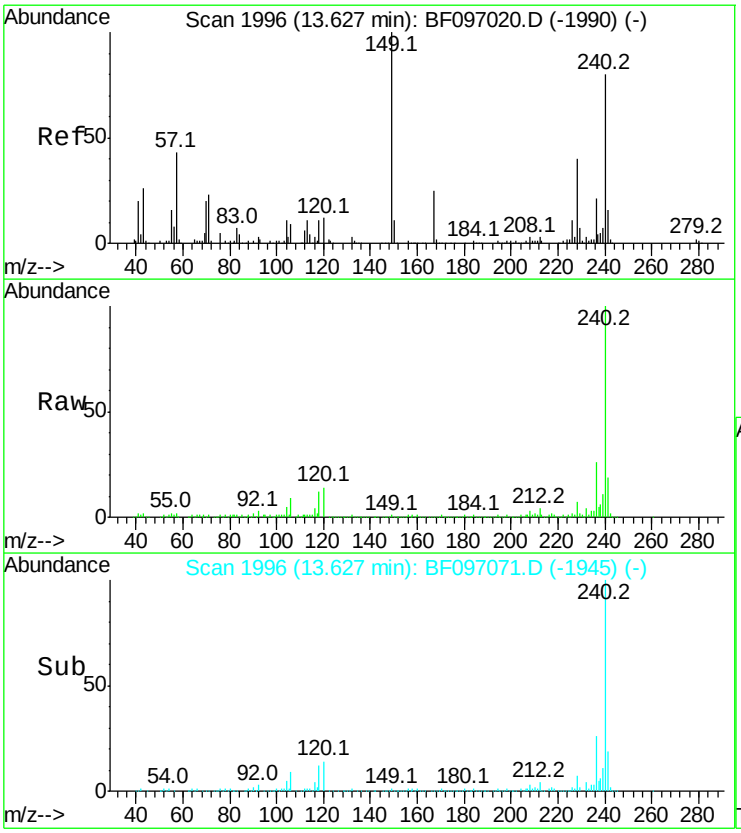
#74
Fluoranthene
Concen: 16.909 ng
RT: 12.20 min Scan# 1754
Delta R.T. -0.01 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 332886

Ion	Ratio	Lower	Upper
202	100		
101	15.1	0.0	33.2
203	17.9	0.0	38.1

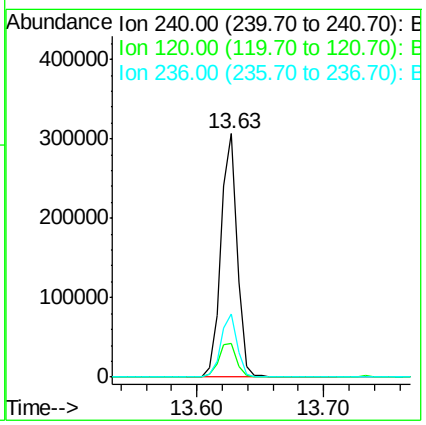


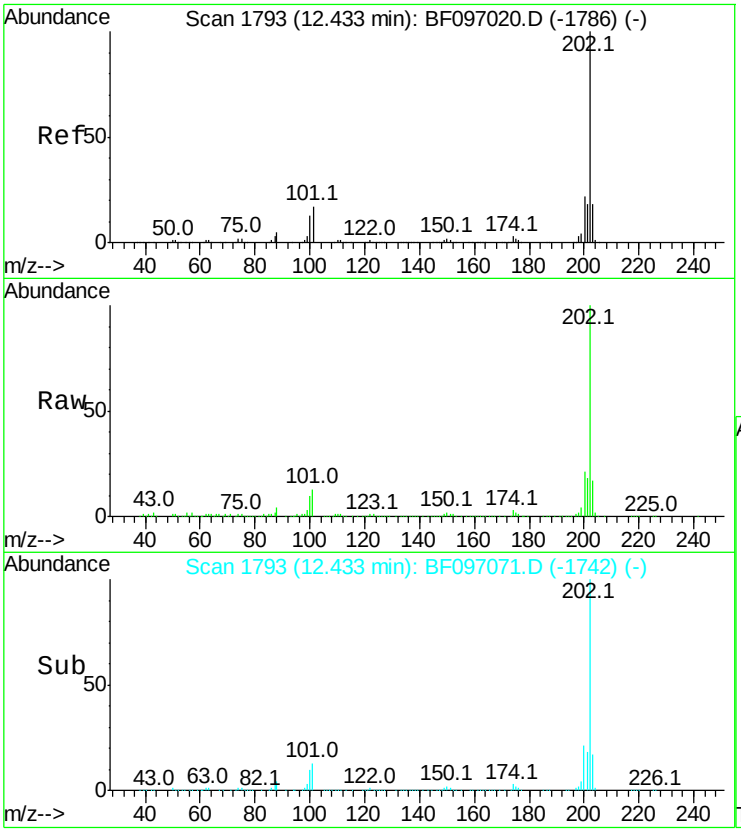


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.63 min Scan# 1996
Delta R.T. -0.00 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Tgt Ion:240 Resp: 275619

Ion	Ratio	Lower	Upper
240	100		
120	13.8	5.8	8.8#
236	25.9	20.5	30.7



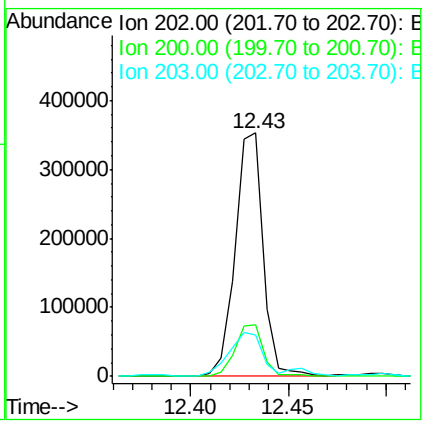


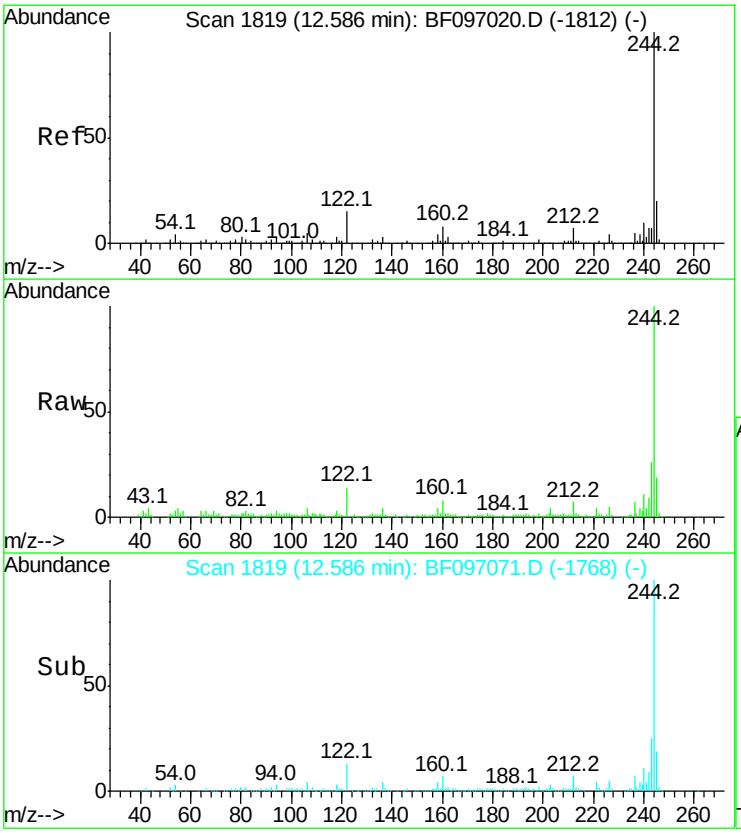
#77
Pyrene
Concen: 15.462 ng
RT: 12.43 min Scan# 1793
Delta R.T. -0.00 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 348876

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	16.9	14.4	21.6

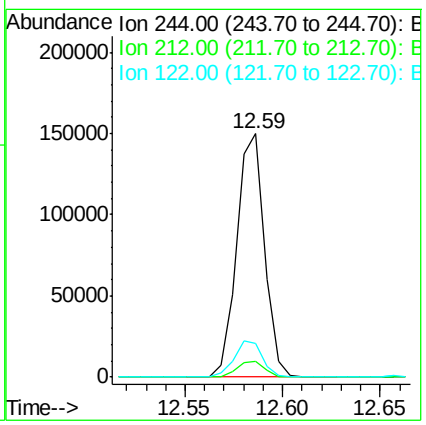


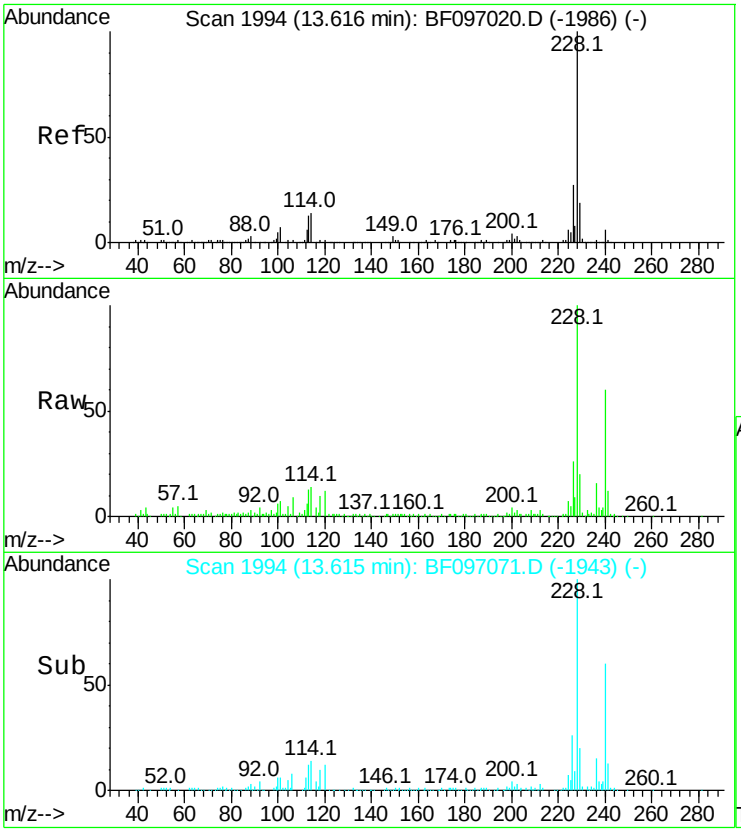


#78
Terphenyl-d14
Concen: 10.927 ng
RT: 12.59 min Scan# 1819
Delta R.T. -0.00 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Tgt Ion:244 Resp: 147709

Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	13.7	10.3	15.5



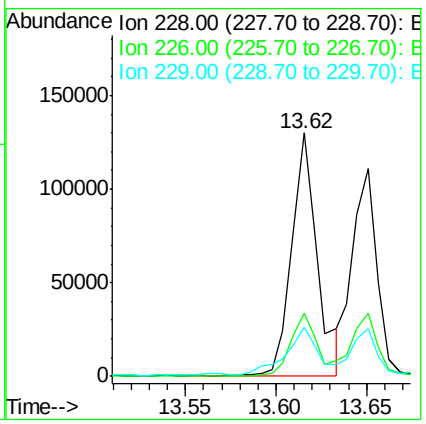


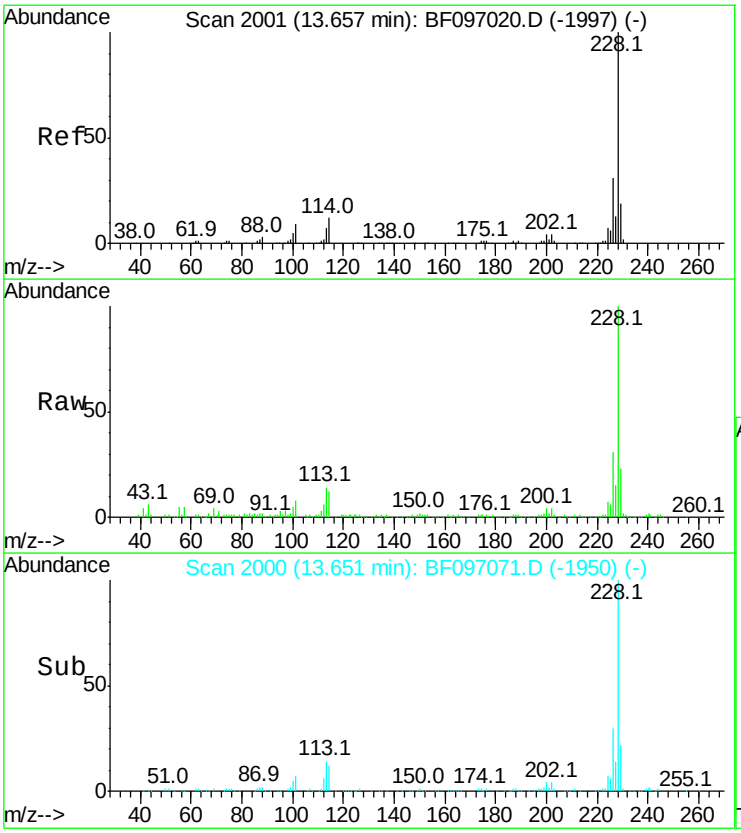
#80
Benzo(a)anthracene
Concen: 7.221 ng
RT: 13.62 min Scan# 1994
Delta R.T. -0.00 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 128777

Ion	Ratio	Lower	Upper
228	100		
226	26.1	22.6	33.8
229	20.3	16.3	24.5

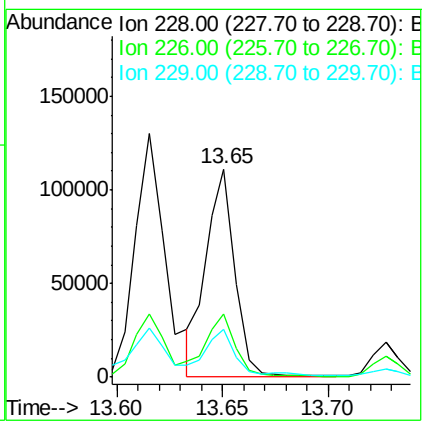


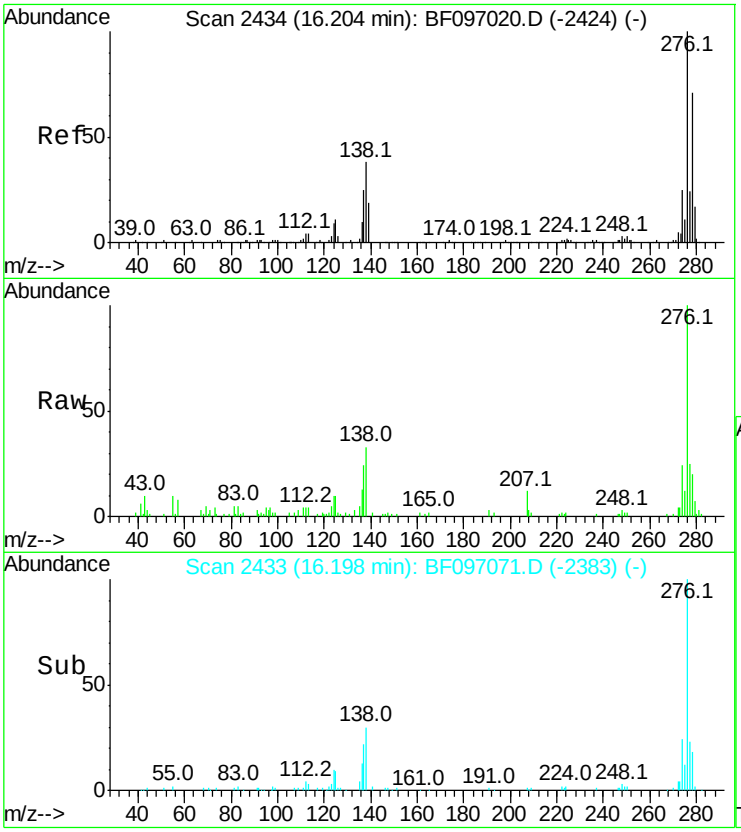


#82
Chrysene
Concen: 6.046 ng
RT: 13.65 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Tgt Ion:228 Resp: 105292

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	22.9	15.8	23.6



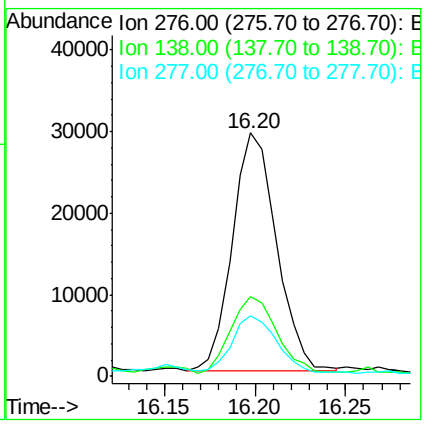


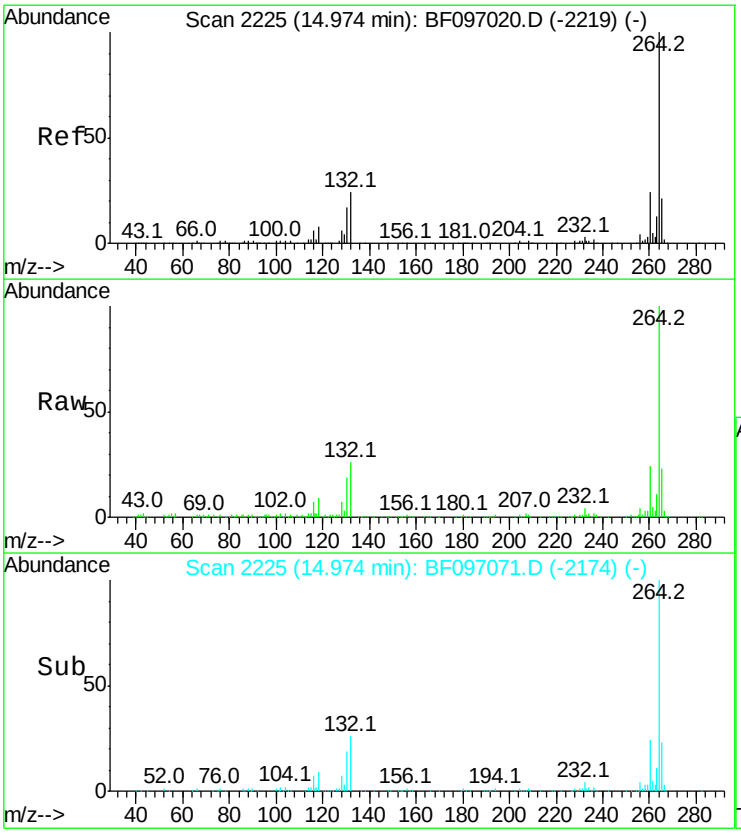
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.321 ng
RT: 16.20 min Scan# 2433
Delta R.T. -0.01 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 49586

Ion	Ratio	Lower	Upper
276	100		
138	35.5	27.8	41.6
277	28.6	20.2	30.4

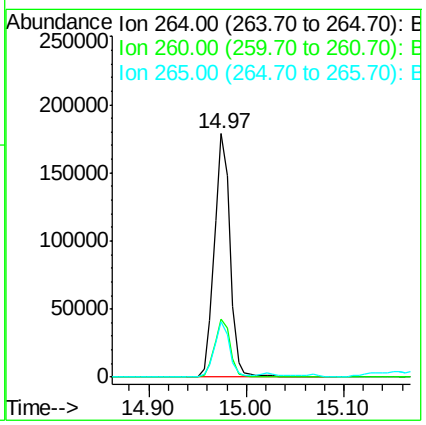


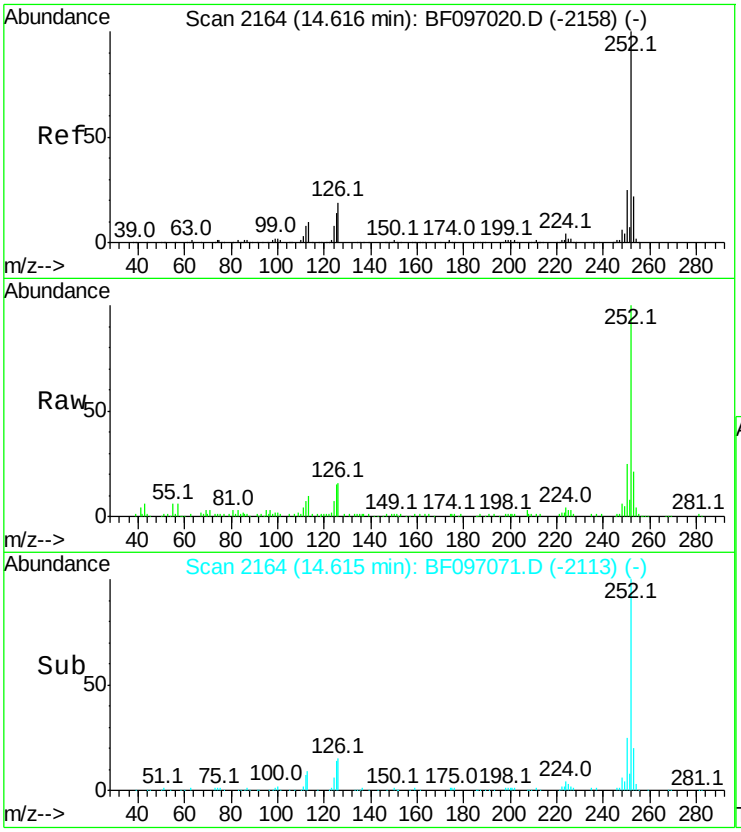


#86
Perylene-d12
Concen: 20.000 ng
RT: 14.97 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Tgt Ion:264 Resp: 200415

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	22.6	17.2	25.8



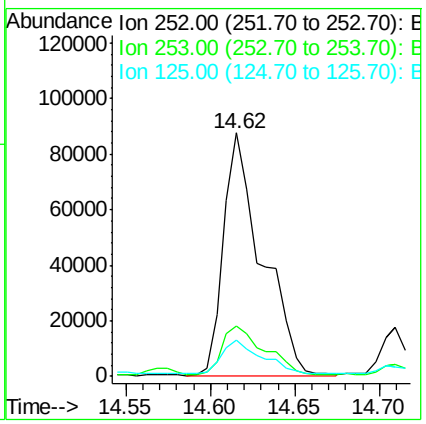


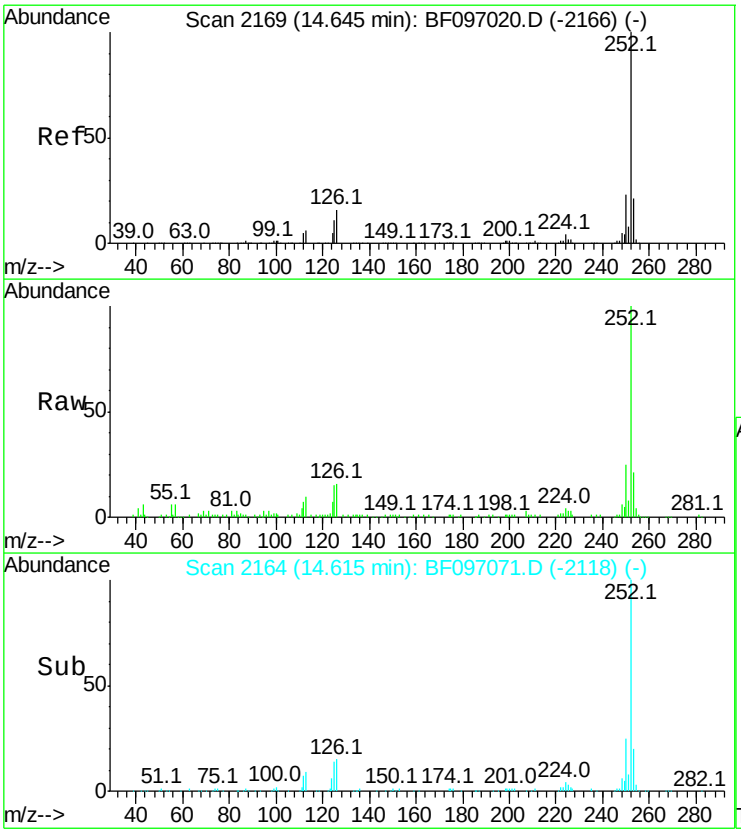
#87
Benzo(b)fluoranthene
Concen: 11.566 ng
RT: 14.62 min Scan# 2164
Delta R.T. -0.00 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 139340

Ion	Ratio	Lower	Upper
252	100		
253	20.6	18.1	27.1
125	15.0	9.8	14.8#

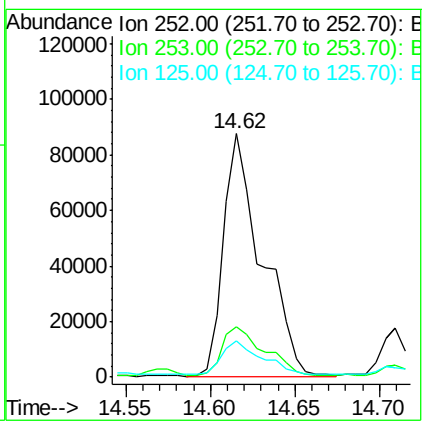


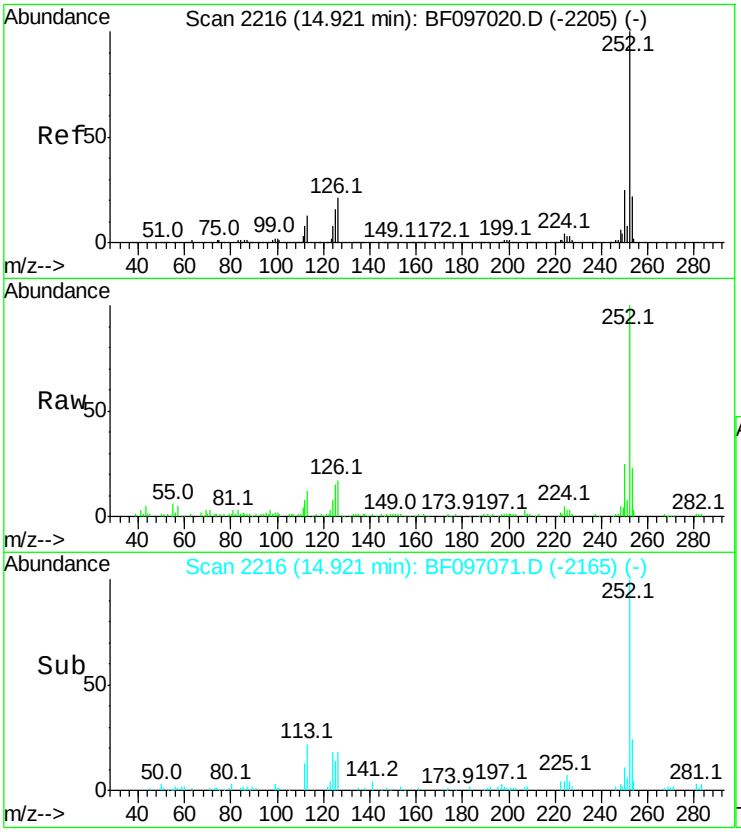


#88
Benzo(k)fluoranthene
Concen: 12.138 ng
RT: 14.62 min Scan# 2164
Delta R.T. -0.03 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Tgt Ion:252 Resp: 139340

Ion	Ratio	Lower	Upper
252	100		
253	20.6	18.4	27.6
125	15.0	13.1	19.7



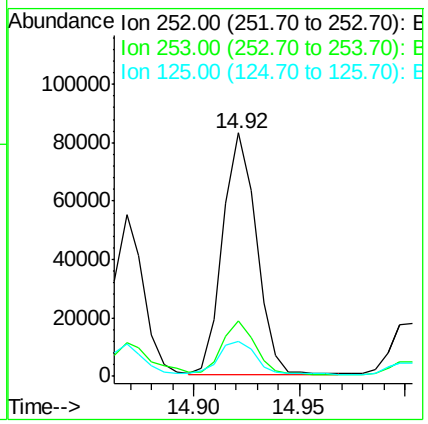


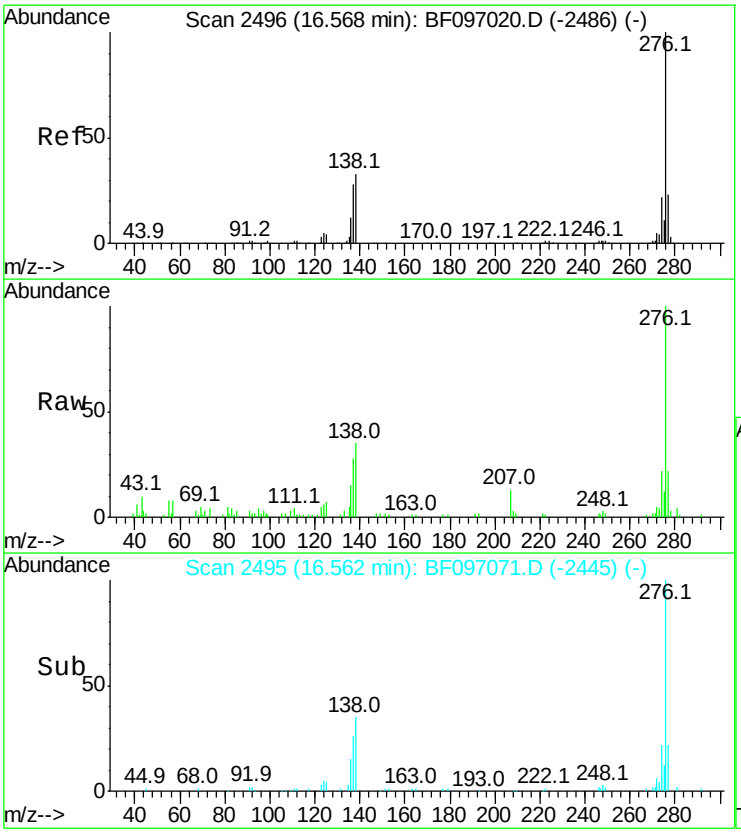
#89
Benzo(a)pyrene
Concen: 8.383 ng
RT: 14.92 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 92428

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	14.5	11.0	16.4





#91
Benzo(g,h,i)perylene
Concen: 6.105 ng
RT: 16.56 min Scan# 2495
Delta R.T. -0.01 min
Lab File: BF097071.D
Acq: 26 Jul 2017 13:18

Tgt Ion:276 Resp: 57889

Ion	Ratio	Lower	Upper
276	100		
277	22.5	18.6	28.0
138	34.9	25.4	38.0