Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099420.D
Acq On : 13 Oct 2017 3:01
Operator : SJ/JU
Sample : I5731-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Oct 13 04:39:10 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 11 16:25:21 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	112059	20.00	ng		0.00
21) Naphthalene-d8	8.13	136	431750	20.00	ng		0.00
38) Acenaphthene-d10	9.89	164	159152	20.00	ng		0.00
63) Phenanthrene-d10	11.37	188	257345	20.00	ng		0.00
75) Chrysene-d12	14.02	240	210788	20.00	ng		0.00
86) Perylene-d12	15.50	264	160533	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.48	112	627656	89.16	ng		0.01
7) Phenol-d6	6.49	99	754994	86.94	ng		0.00
23) Nitrobenzene-d5	7.42	82	444512	66.03	ng		0.00
41) 2,4,6-Tribromophenol	10.68	330	109145	83.81	ng		0.00
44) 2-Fluorobiphenyl	9.21	172	629993	66.08	ng		0.00
78) Terphenyl-d14	12.96	244	475489	51.30	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.63	77	12268	2.44	ng		84
19) n-Nitroso-di-n-propylamine	7.42	70	57180	10.31	ng	#	74
25) Isophorone	7.42	82	444509	31.93	ng	#	64
31) Naphthalene	8.16	128	43403	2.14	ng		100
37) 2-Methylnaphthalene	8.85	142	32110	2.44	ng		99
49) Dimethylphthalate	9.60	163	157859	13.14	ng		99
51) Acenaphthene	9.92	154	28213	2.83	ng		96
55) 4-Nitrophenol	10.09	139	9565	3.71	ng	#	12
56) 2,4-Dinitrotoluene	9.89	165	21984	6.48	ng	#	22
57) Fluorene	10.43	166	29767	2.79	ng		97
66) 4-Bromophenyl-phenylether	10.68	248	7223	2.87	ng	#	1
70) Phenanthrene	11.40	178	394829	28.66	ng		98
71) Anthracene	11.45	178	114150	8.10	ng		98
72) Carbazole	11.61	167	43170	3.13	ng		96
74) Fluoranthene	12.59	202	698779	50.10	ng		99
77) Pyrene	12.83	202	648485	40.35	ng		99
80) Benzo(a)anthracene	14.01	228	319959	25.07	ng		98
82) Chrysene	14.04	228	278373	22.91	ng		97
85) Indeno(1,2,3-cd)pyrene	16.98	276	110041	11.32	ng		98
87) Benzo(b)fluoranthene	15.06	252	412477	41.79	ng	#	95
88) Benzo(k)fluoranthene	15.06	252	412477	42.31	ng		98
89) Benzo(a)pyrene	15.43	252	204707	22.59	ng		96
90) Dibenzo(a,h)anthracene	16.99	278	30347	4.19	ng	#	83
91) Benzo(g,h,i)perylene	17.43	276	106380	14.84	ng		94

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

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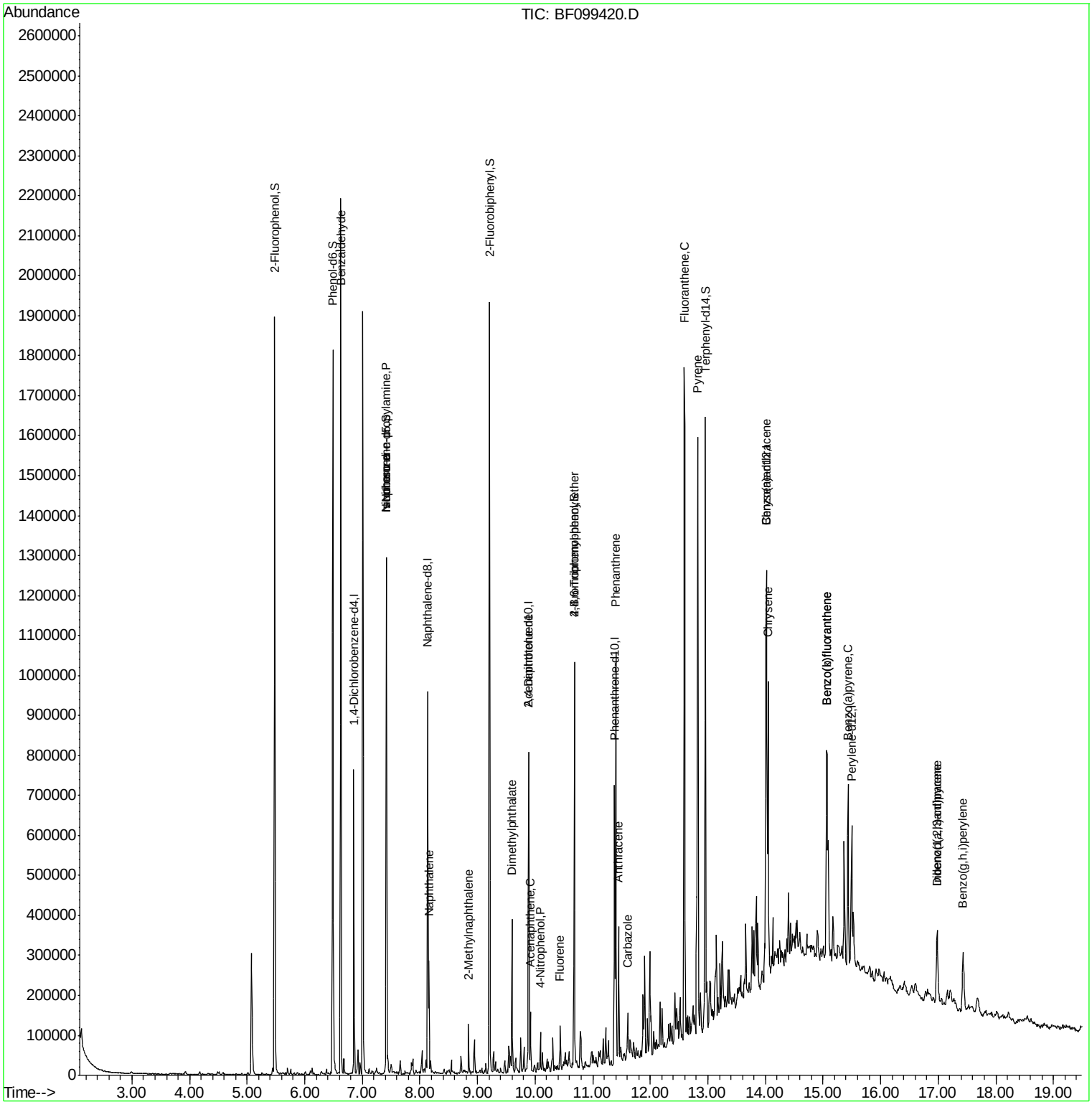
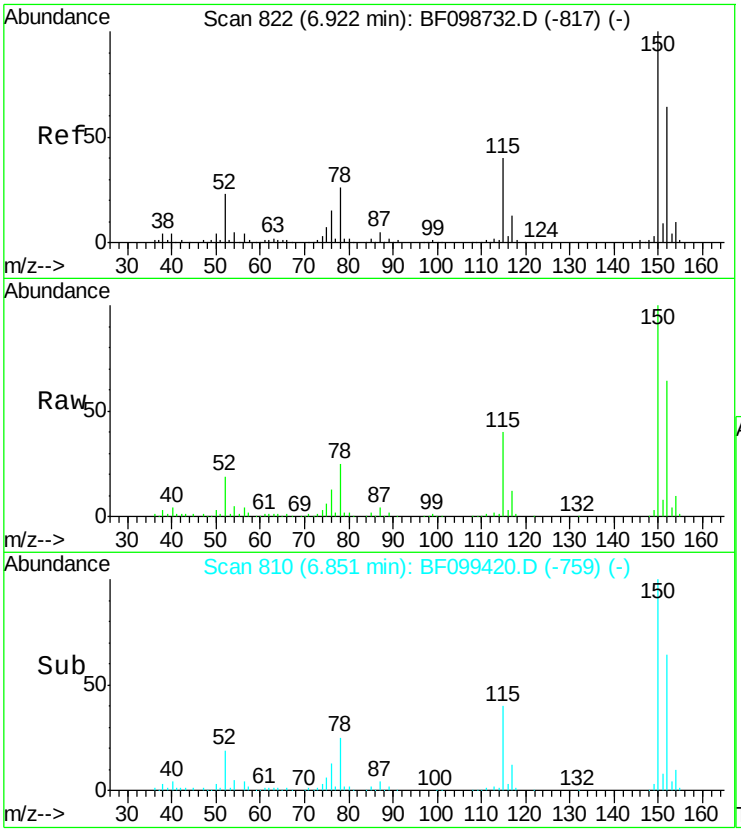


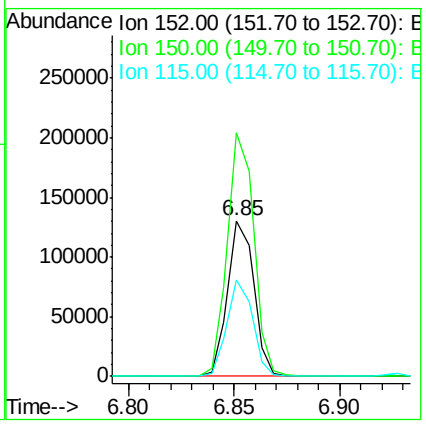


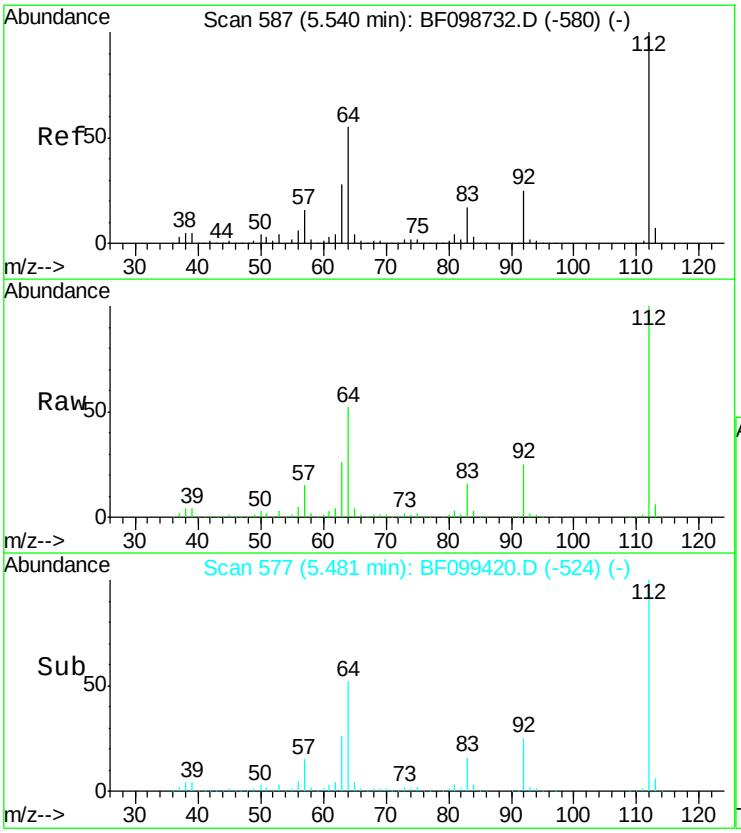
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 112059

Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	62.4	50.1	75.1

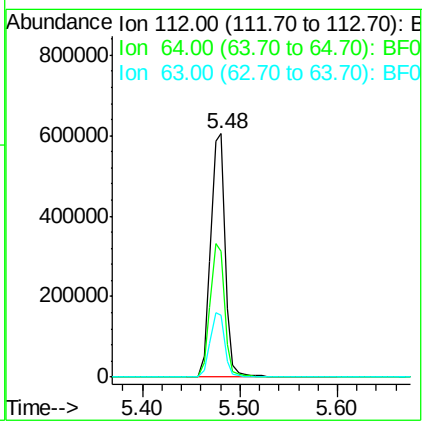


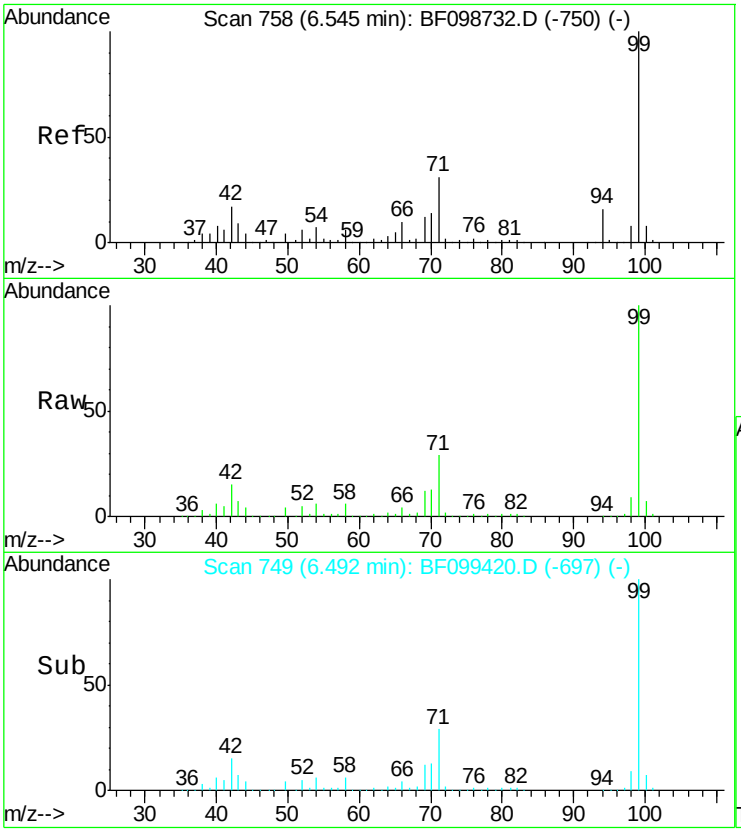


#5
2-Fluorophenol
Concen: 89.16 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Tgt Ion:112 Resp: 627656

Ion	Ratio	Lower	Upper
112	100		
64	51.8	47.9	71.9
63	25.7	23.7	35.5



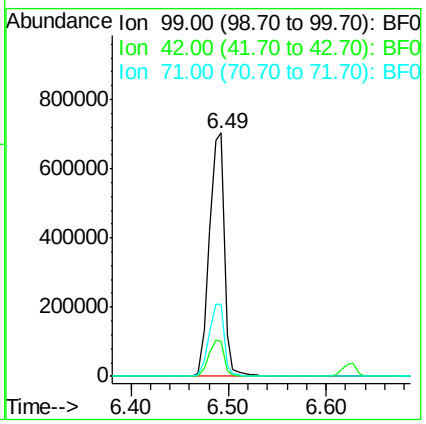


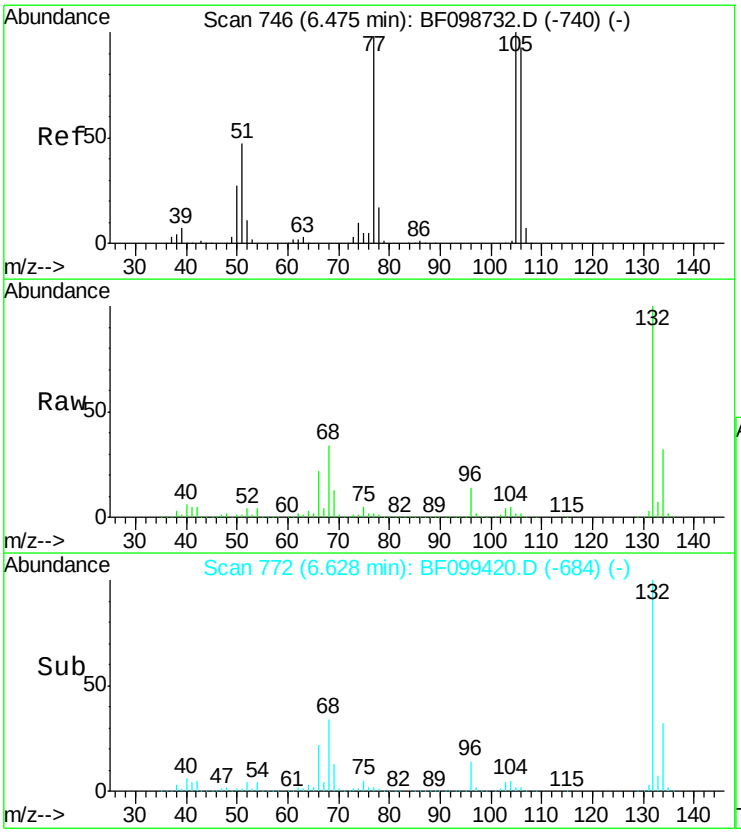
#7
Phenol-d6
Concen: 86.94 ng
RT: 6.49 min Scan# 749
Delta R.T. 0.01 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 754994

Ion	Ratio	Lower	Upper
99	100		
42	14.5	14.5	21.7
71	29.4	25.4	38.0

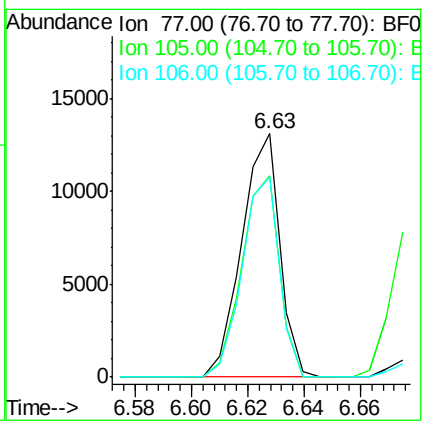


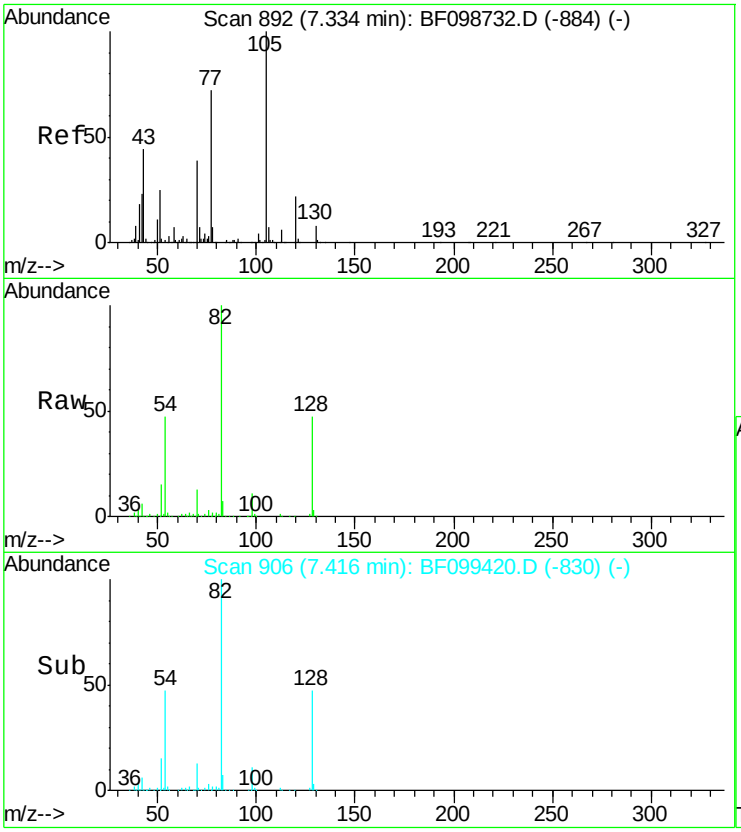


#9
Benzaldehyde
Concen: 2.44 ng
RT: 6.63 min Scan# 772
Delta R.T. 0.22 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Tgt Ion: 77 Resp: 12268

Ion	Ratio	Lower	Upper
77	100		
105	82.9	81.1	121.1
106	81.9	74.5	114.5



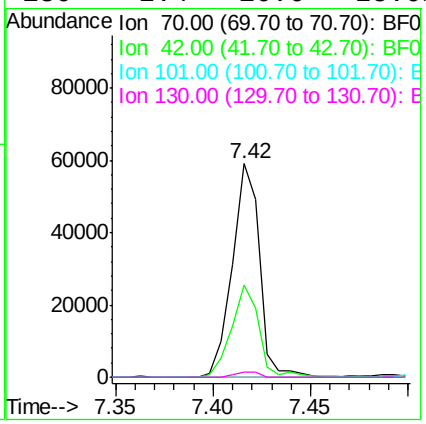


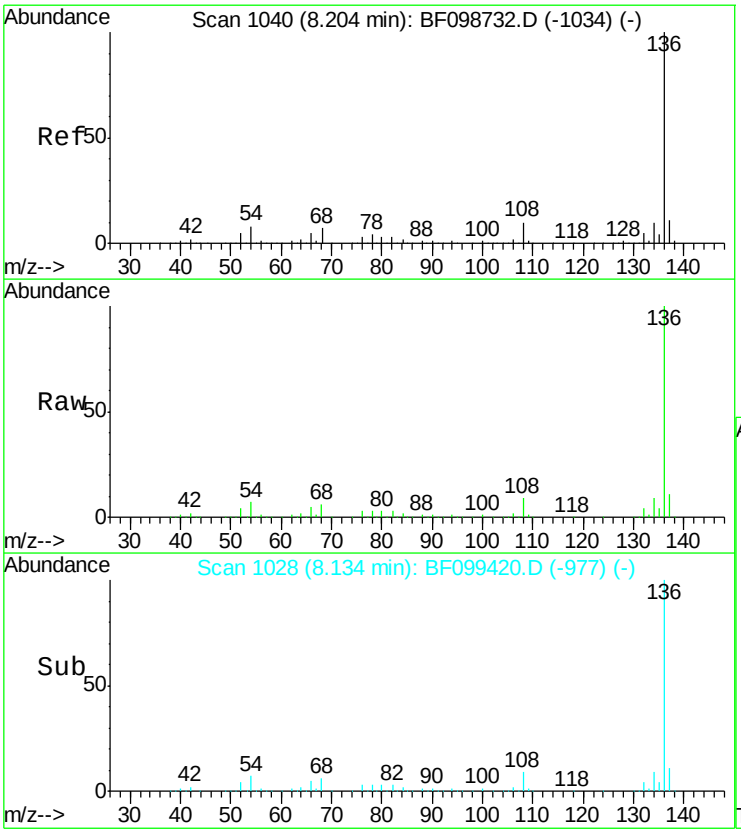
#19
n-Nitroso-di-n-propylamine
Concen: 10.31 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.15 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 70 Resp: 57180

Ion	Ratio	Lower	Upper
70	100		
42	43.1	47.5	71.3#
101	0.0	7.4	11.2#
130	2.4	16.6	25.0#

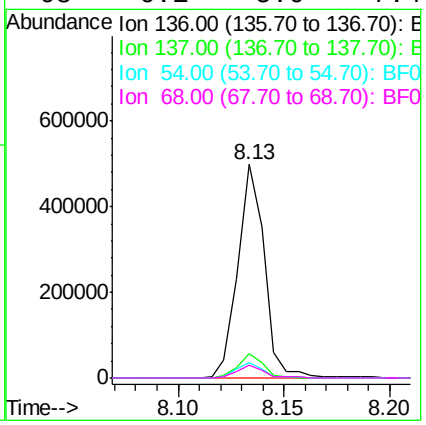


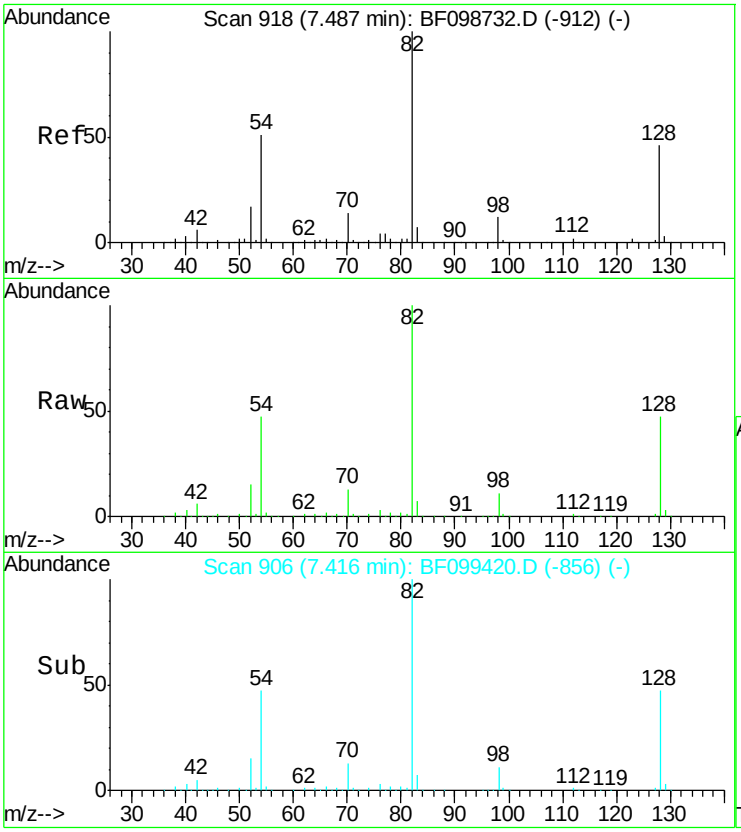


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Tgt Ion:136 Resp: 431750

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	7.2	6.6	9.8
68	6.1	5.0	7.4



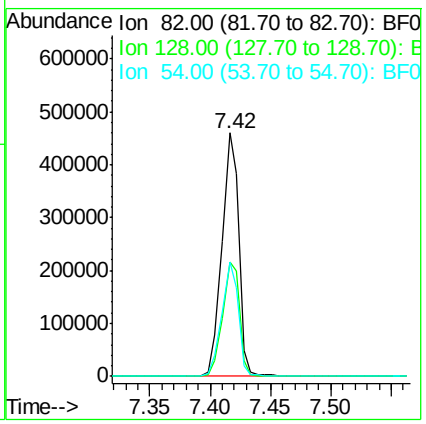


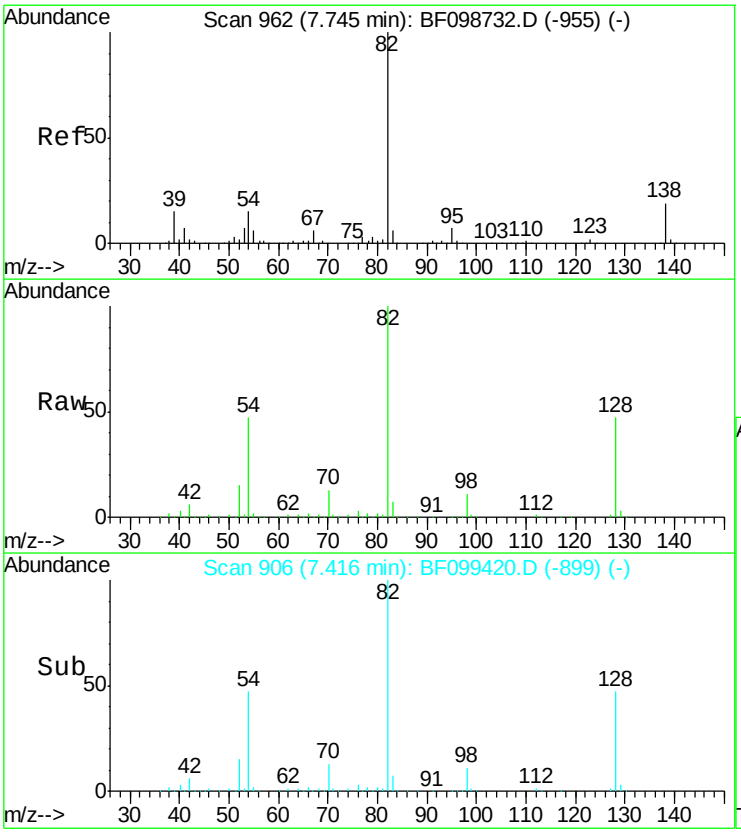
#23
Nitrobenzene-d5
Concen: 66.03 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 444512

Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.1	54.1
54	47.1	41.4	62.2

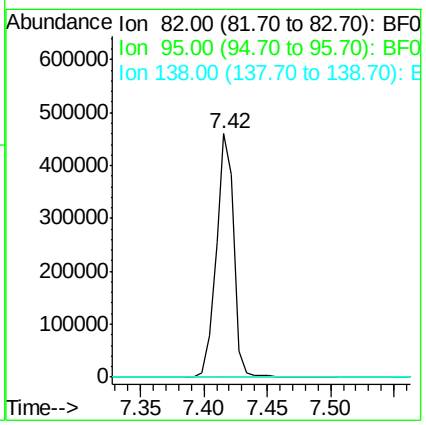


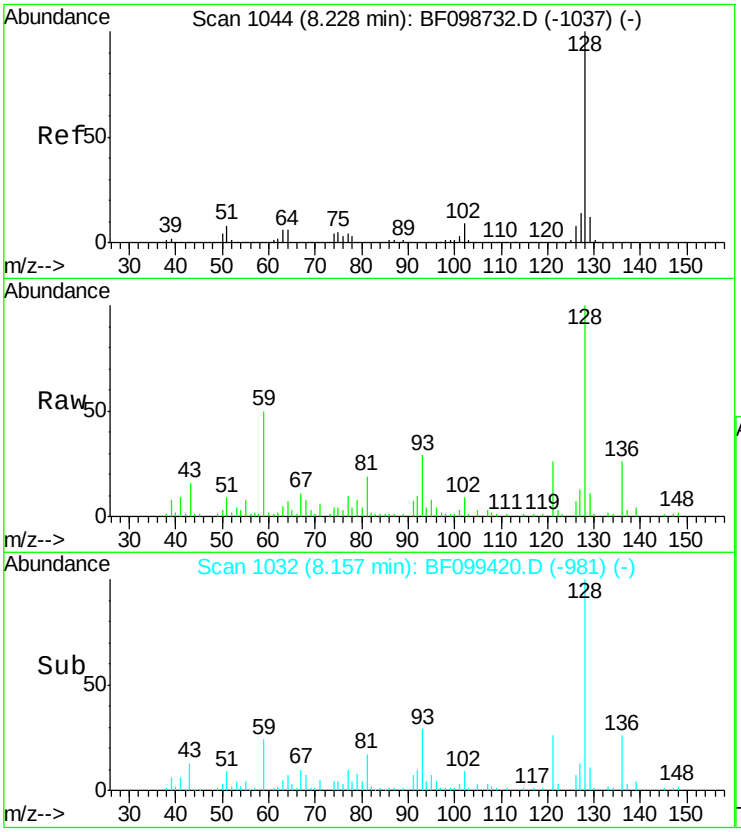


#25
Isophorone
Concen: 31.93 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.26 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Tgt Ion: 82 Resp: 444509

Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.2	7.8#
138	0.0	14.9	22.3#



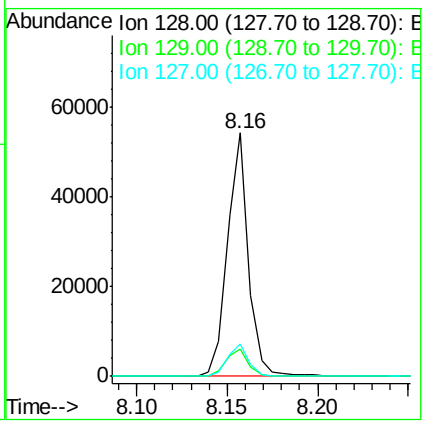


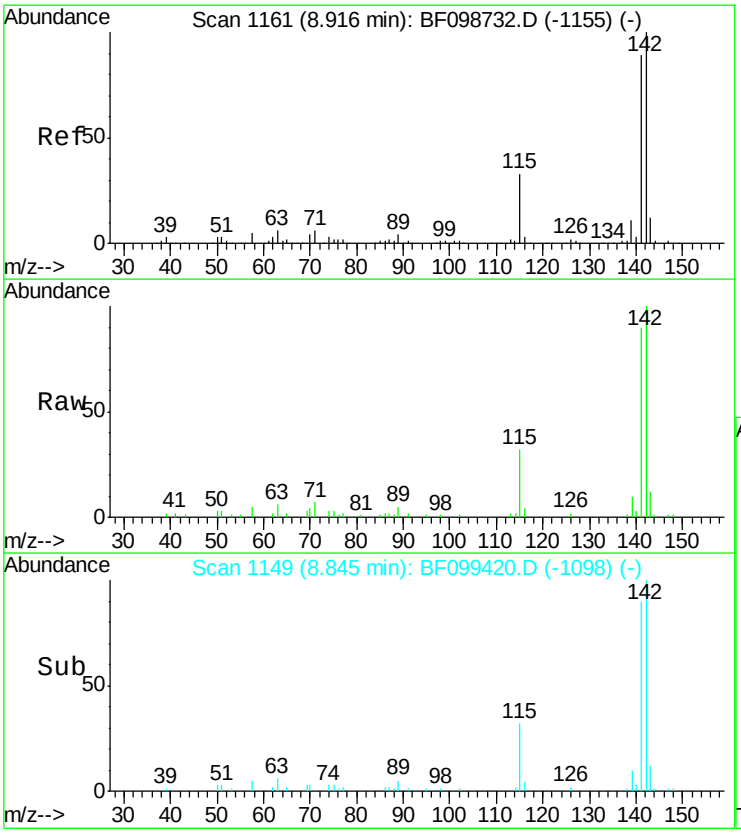
#31
Naphthalene
Concen: 2.14 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp: 43403

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.4	10.9	16.3

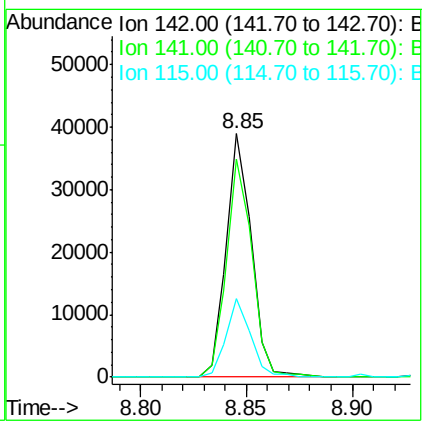


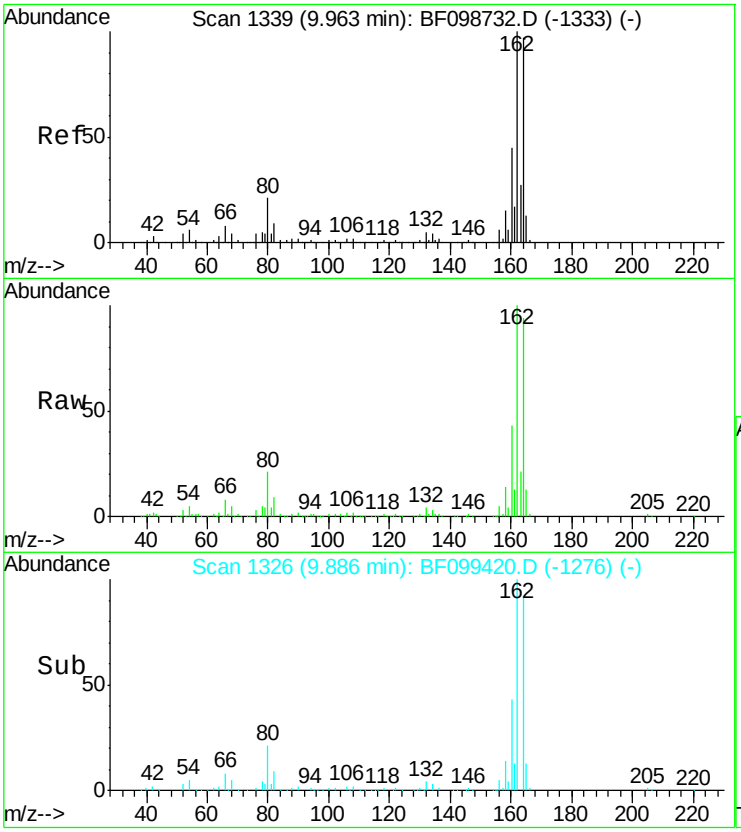


#37
2-Methylnaphthalene
Concen: 2.44 ng
RT: 8.85 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Tgt Ion:142 Resp: 32110

Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.8	106.2
115	32.3	26.1	39.1



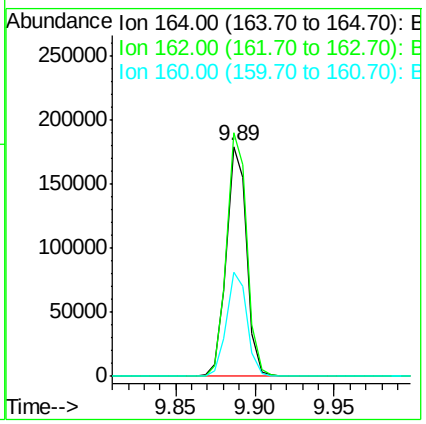


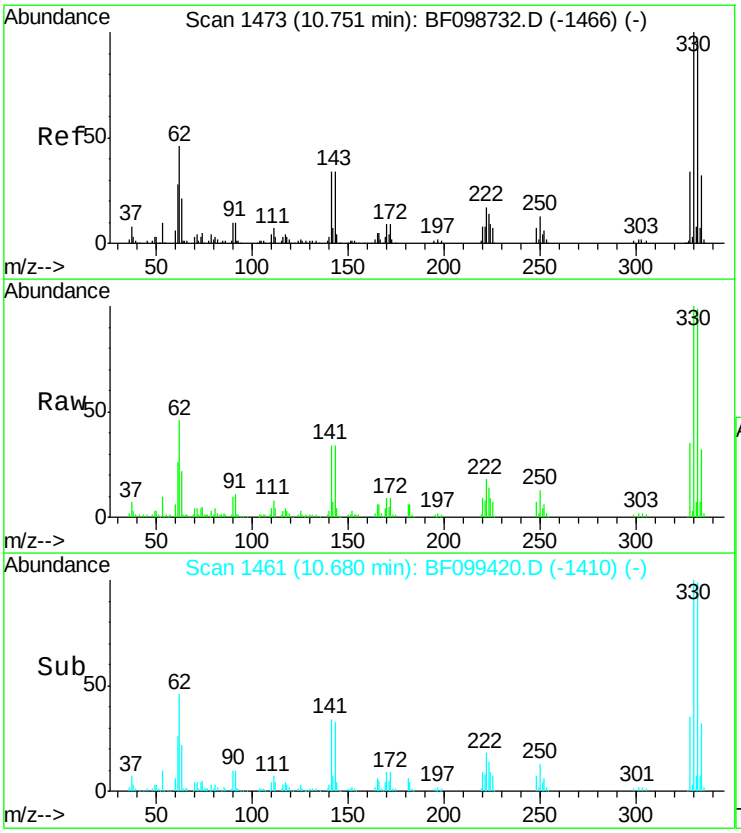
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 159152

Ion	Ratio	Lower	Upper
164	100		
162	105.9	86.1	129.1
160	45.1	38.3	57.5

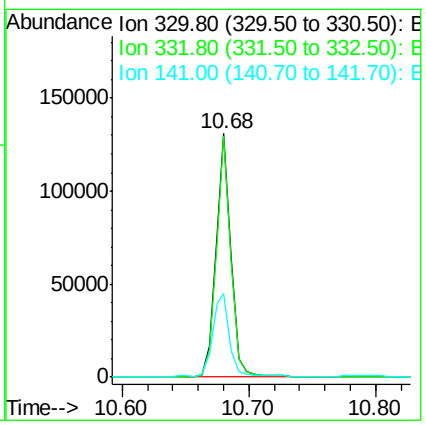


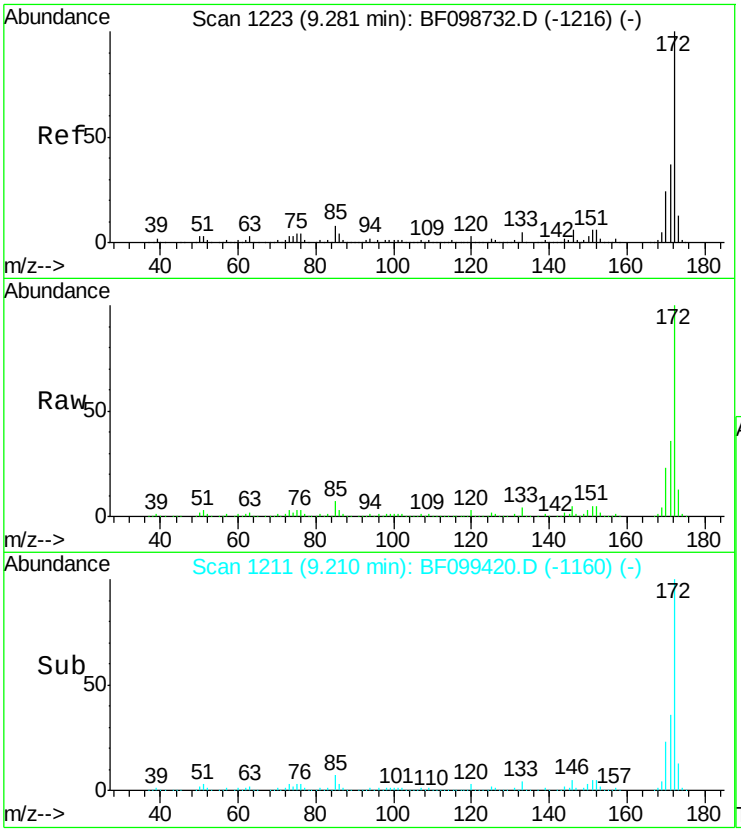


#41
2,4,6-Tribromophenol
Concen: 83.81 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.00 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Tgt Ion:330 Resp: 109145

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	41.2	29.9	44.9



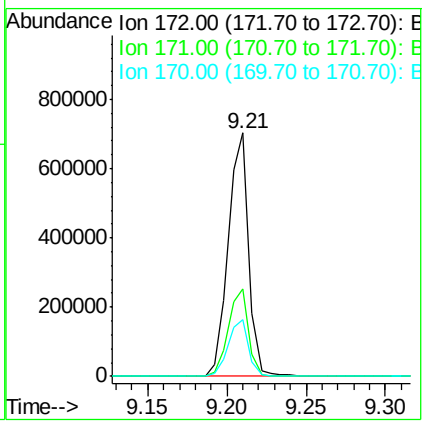


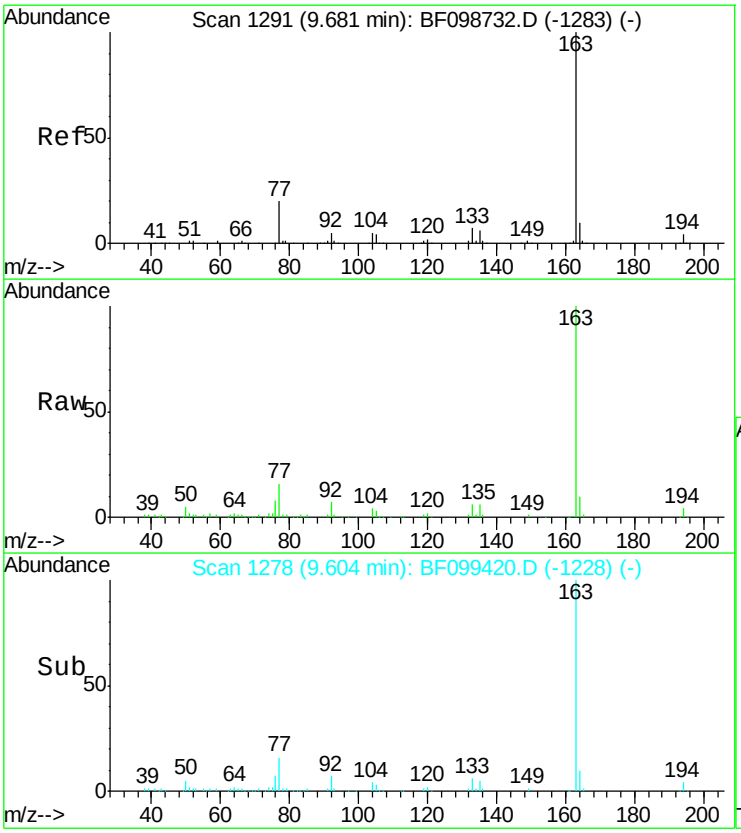
#44
2-Fluorobiphenyl
Concen: 66.08 ng
RT: 9.21 min Scan# 1211
Delta R.T. 0.00 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 629993

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.4	19.6	29.4

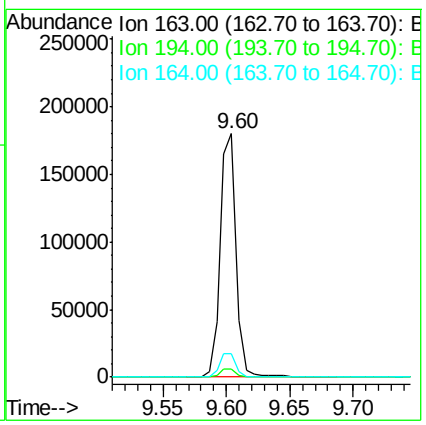


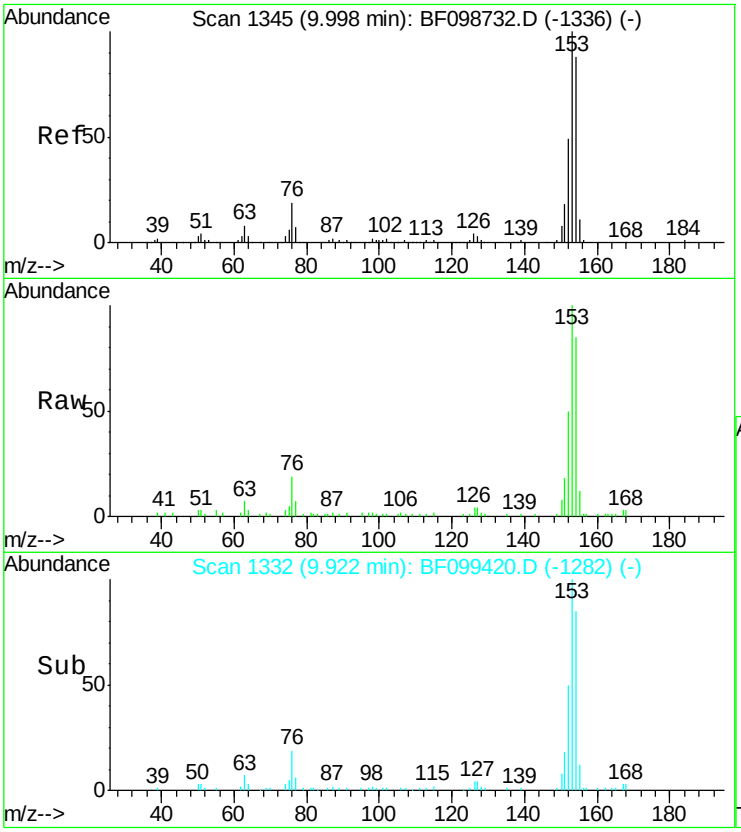


#49
Dimethylphthalate
Concen: 13.14 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Tgt Ion:163 Resp: 157859

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	9.7	8.2	12.2



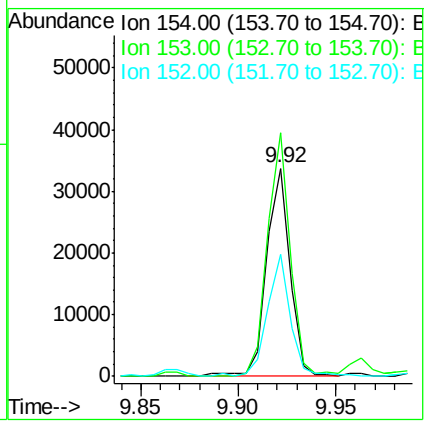


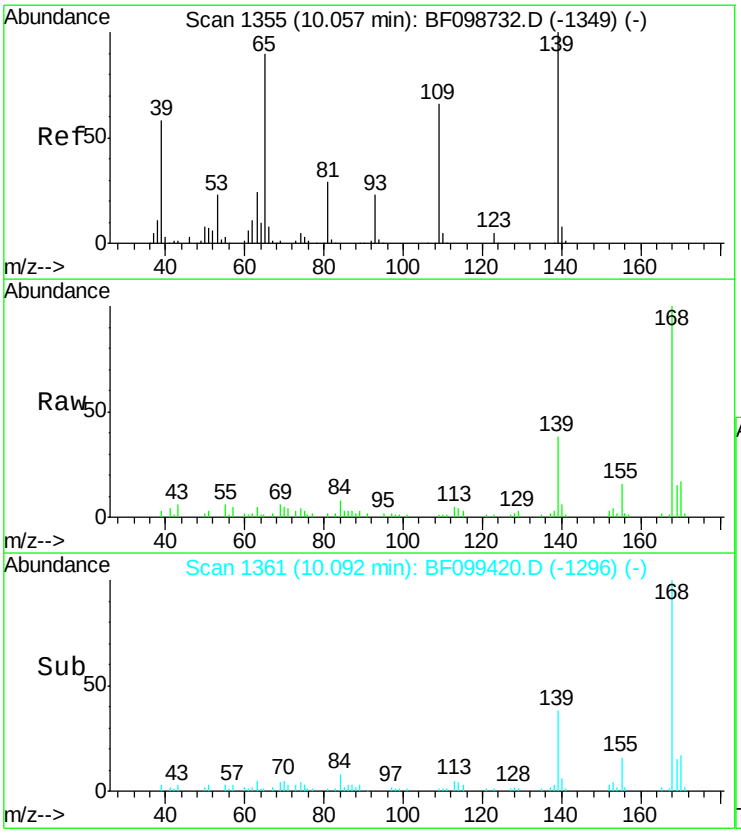
#51
Acenaphthene
Concen: 2.83 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 28213

Ion	Ratio	Lower	Upper
154	100		
153	117.0	91.2	136.8
152	58.4	43.8	65.8

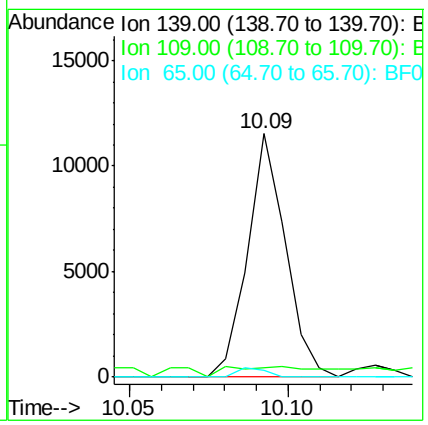


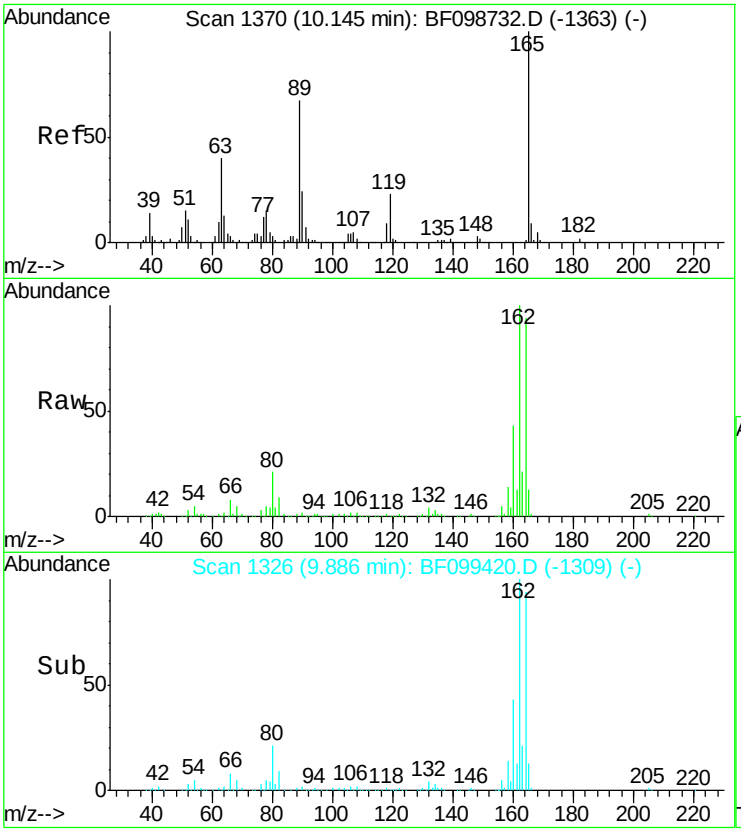


#55
4-Nitrophenol
Concen: 3.71 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.08 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Tgt Ion:139 Resp: 9565

Ion	Ratio	Lower	Upper
139	100		
109	3.7	48.4	88.4#
65	2.8	72.6	112.6#



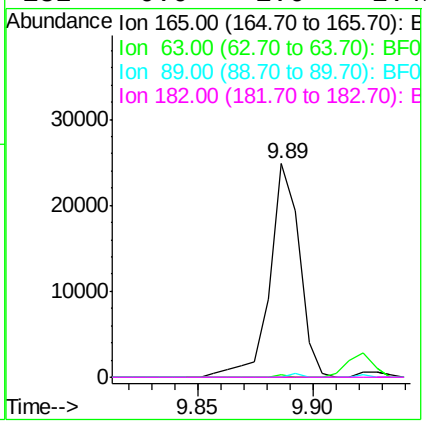


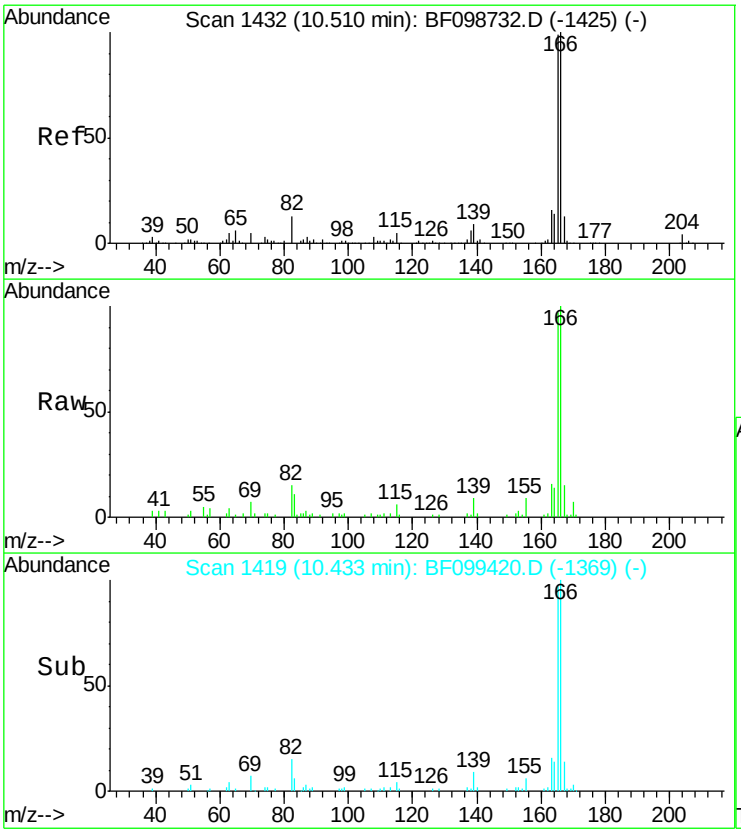
#56
2,4-Dinitrotoluene
Concen: 6.48 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.20 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 21984

Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

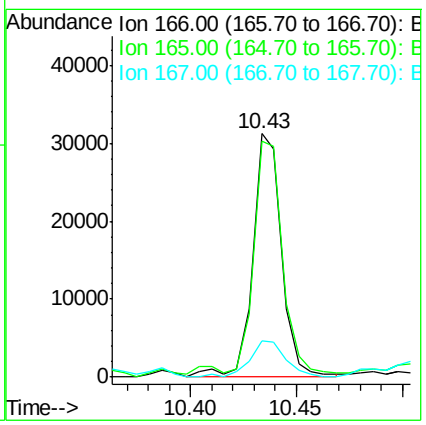


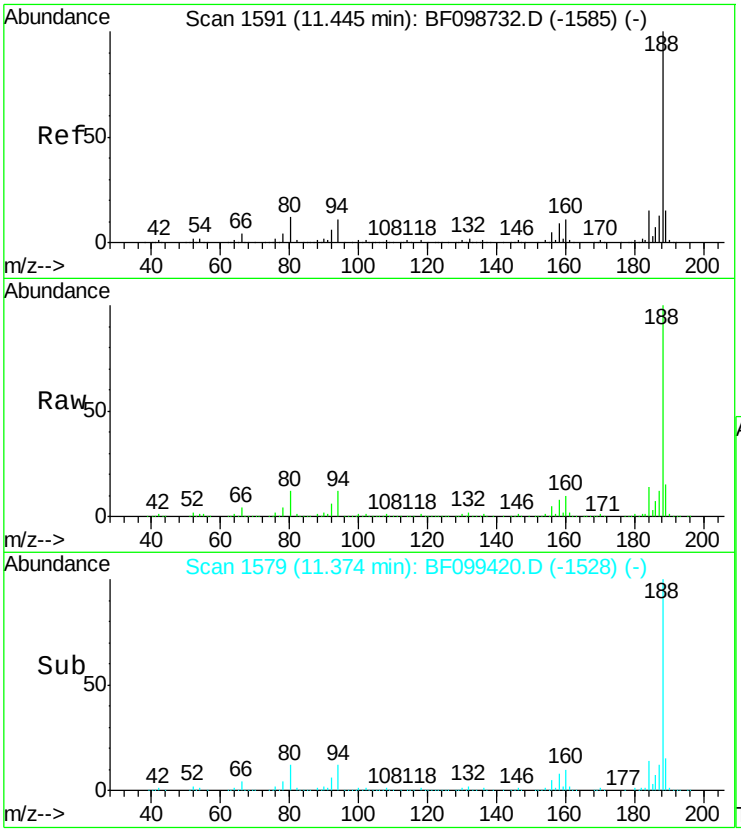


#57
Fluorene
Concen: 2.79 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Tgt Ion:166 Resp: 29767

Ion	Ratio	Lower	Upper
166	100		
165	96.7	79.8	119.8
167	14.7	10.6	16.0



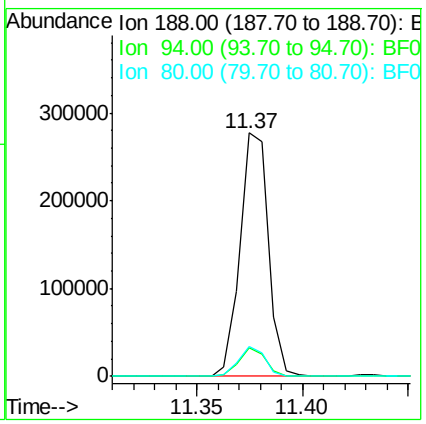


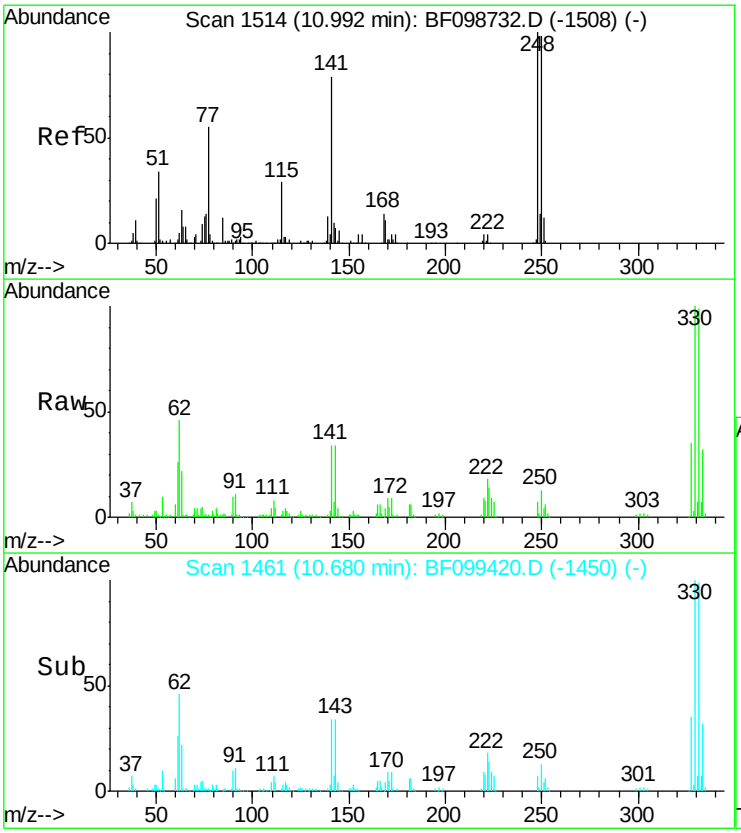
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 257345

Ion	Ratio	Lower	Upper
188	100		
94	11.6	8.5	12.7
80	12.5	9.2	13.8

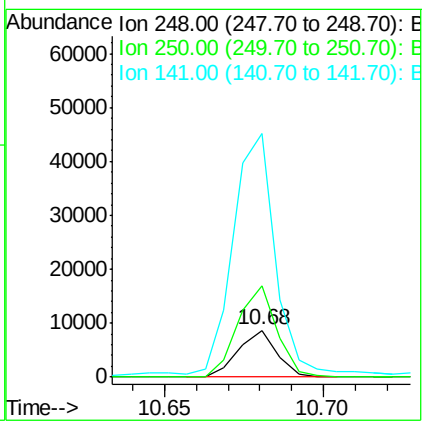


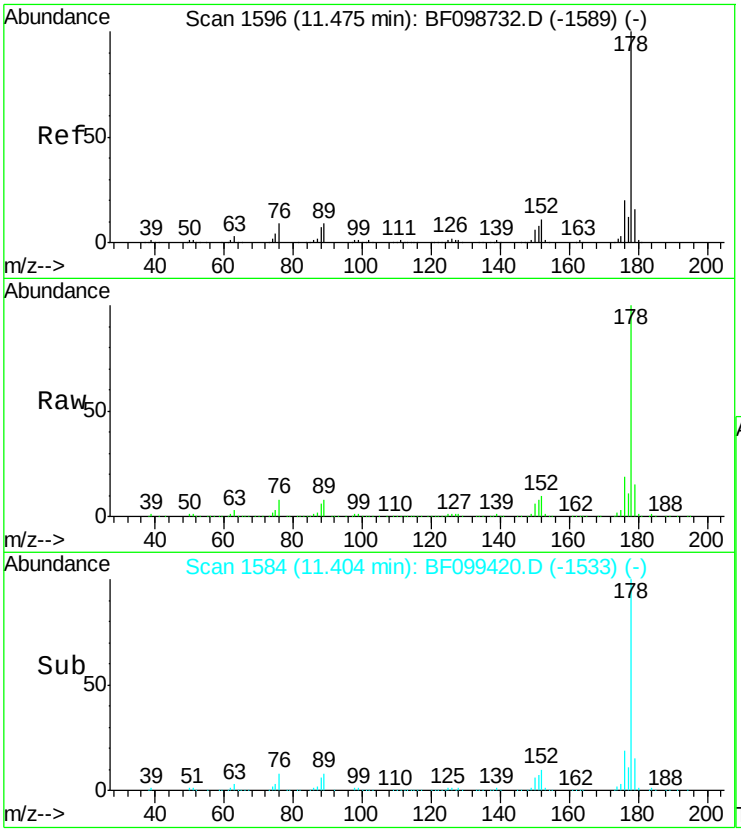


#66
4-Bromophenyl-phenylether
Concen: 2.87 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.24 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Tgt Ion:248 Resp: 7223

Ion	Ratio	Lower	Upper
248	100		
250	195.9	76.9	115.3#
141	520.4	74.4	111.6#



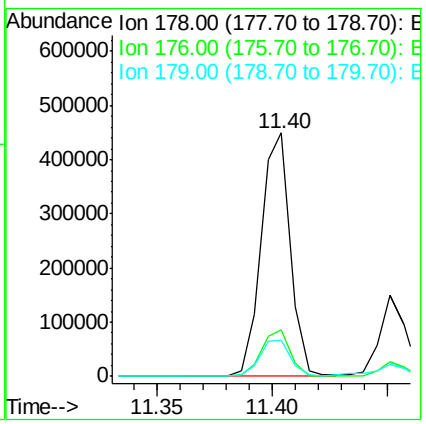


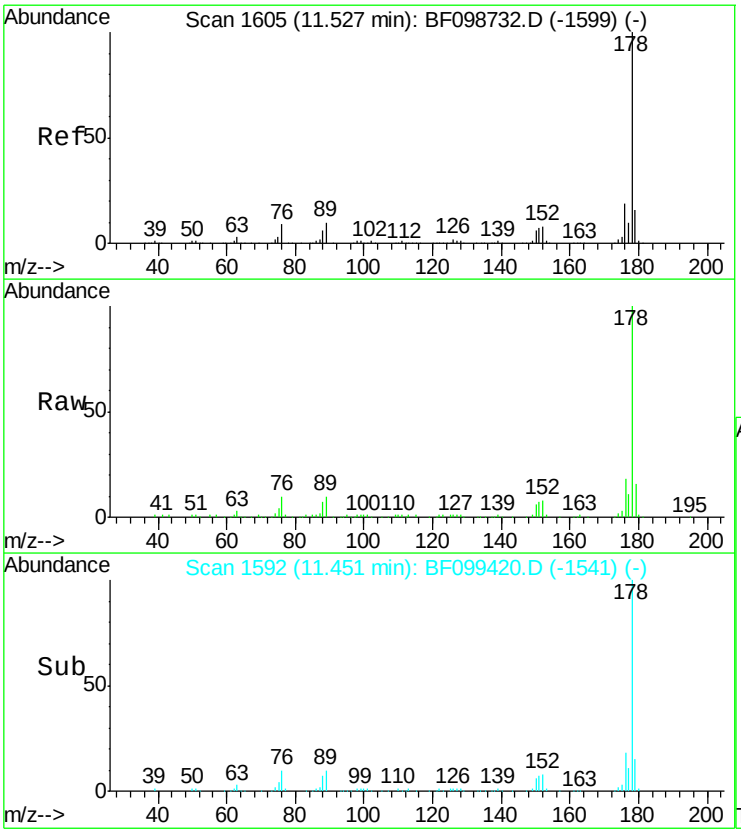
#70
Phenanthrene
Concen: 28.66 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 394829

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	14.9	13.0	19.6

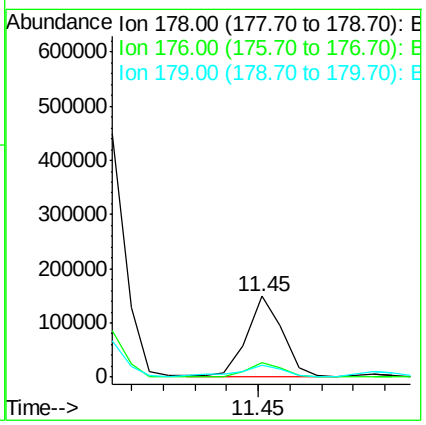


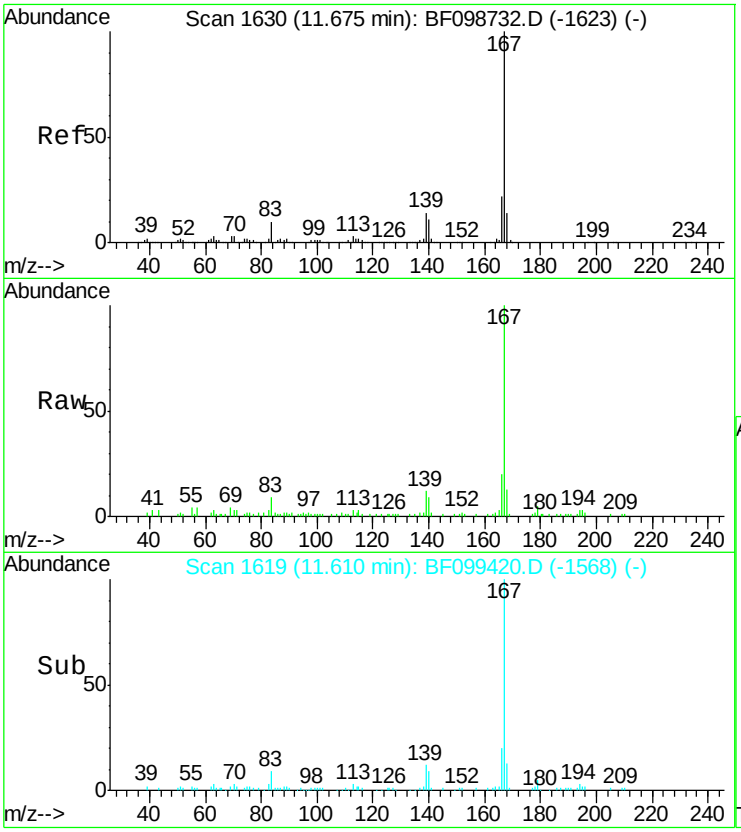


#71
Anthracene
Concen: 8.10 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.00 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Tgt Ion:178 Resp: 114150

Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.2
179	15.5	12.6	19.0



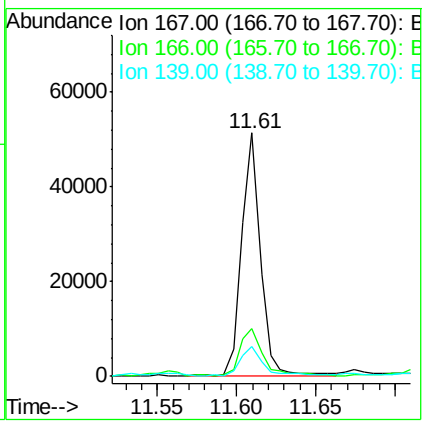


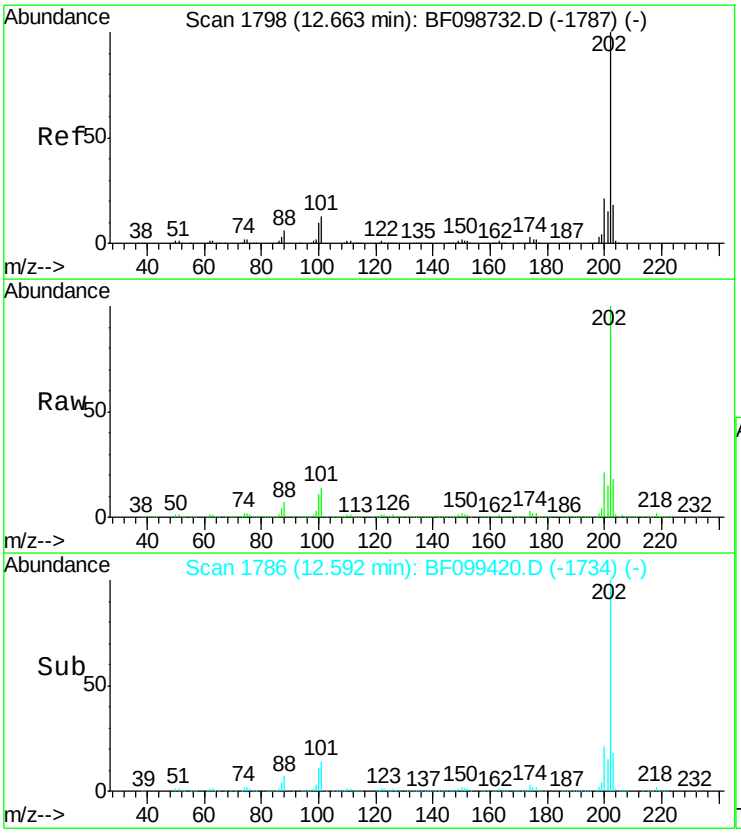
#72
Carbazole
Concen: 3.13 ng
RT: 11.61 min Scan# 1619
Delta R.T. 0.00 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 43170

Ion	Ratio	Lower	Upper
167	100		
166	19.8	17.6	26.4
139	12.1	10.9	16.3

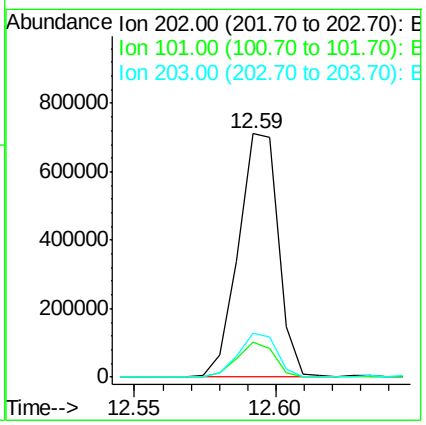


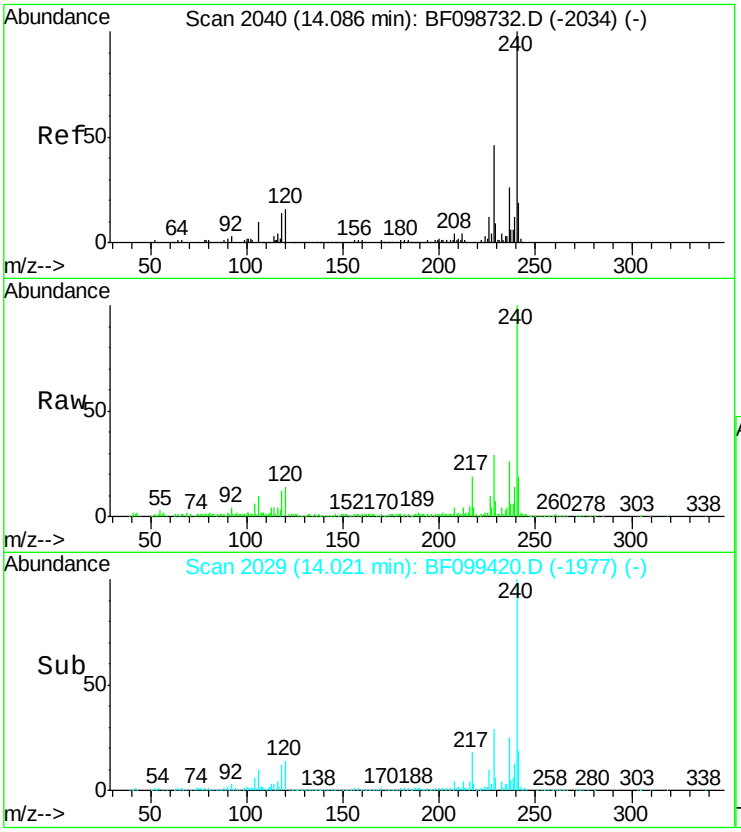


#74
Fluoranthene
Concen: 50.10 ng
RT: 12.59 min Scan# 1786
Delta R.T. 0.01 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Tgt Ion:202 Resp: 698779

Ion	Ratio	Lower	Upper
202	100		
101	14.4	0.0	34.1
203	17.9	0.0	38.1



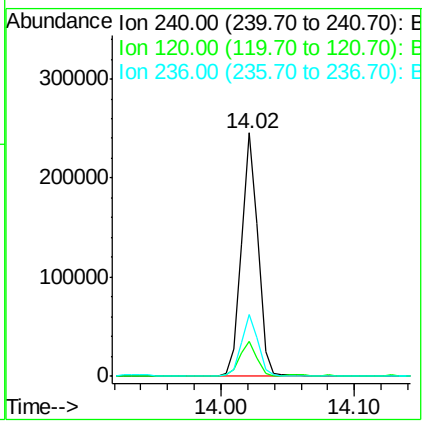


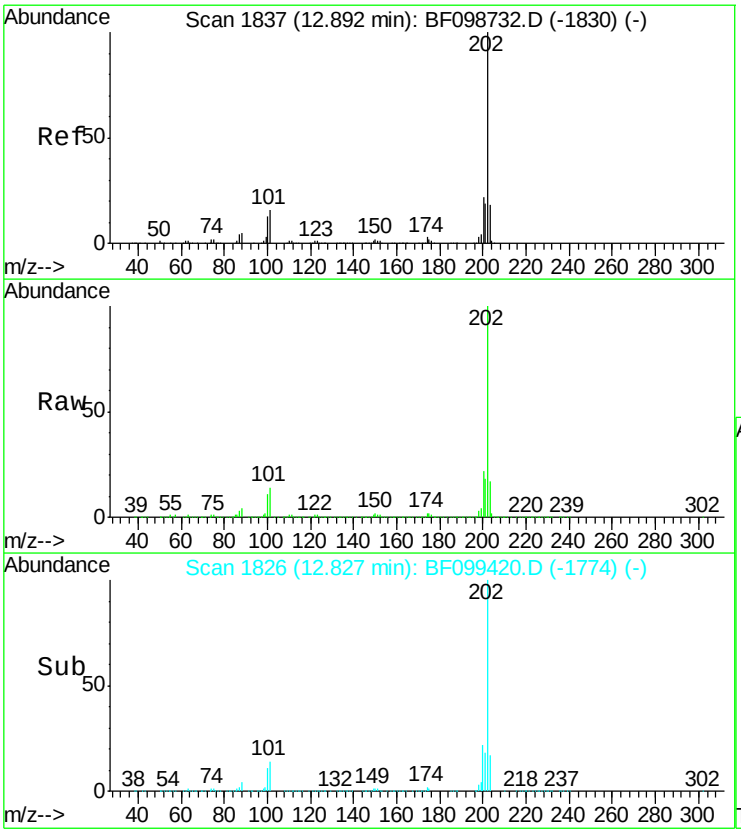
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 210788

Ion	Ratio	Lower	Upper
240	100		
120	14.5	9.5	14.3#
236	25.6	20.7	31.1

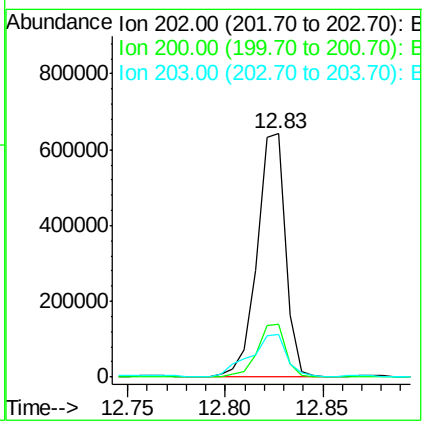


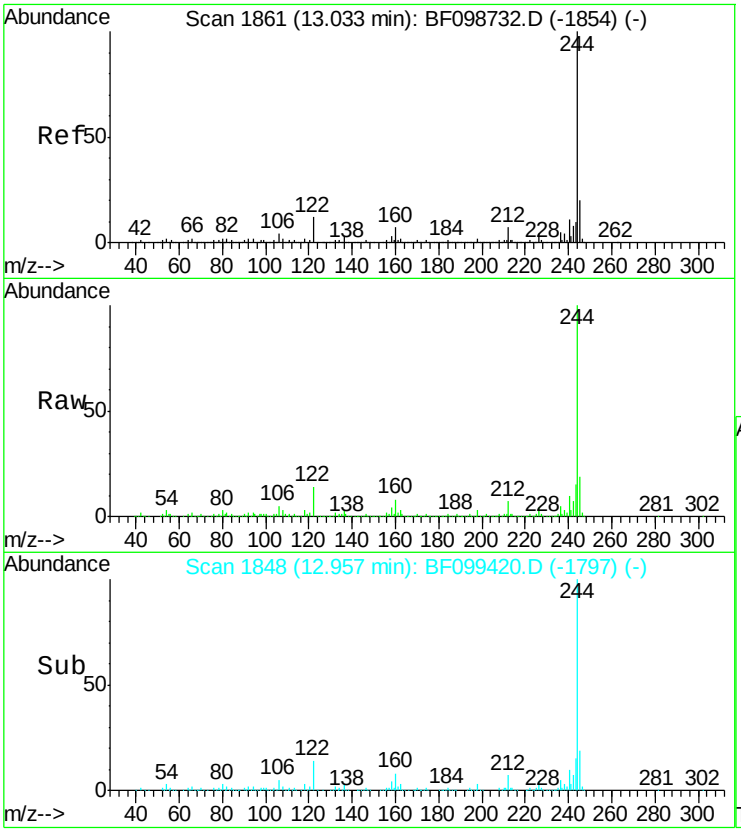


#77
Pyrene
Concen: 40.35 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.01 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Tgt Ion:202 Resp: 648485

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.3	14.3	21.5



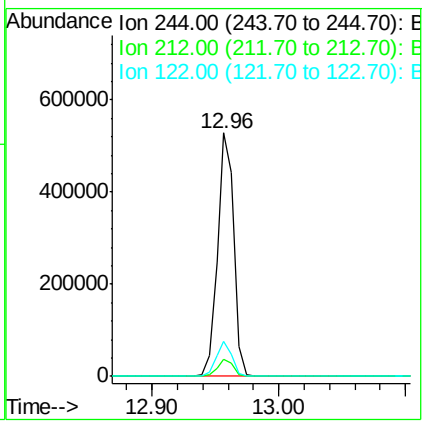


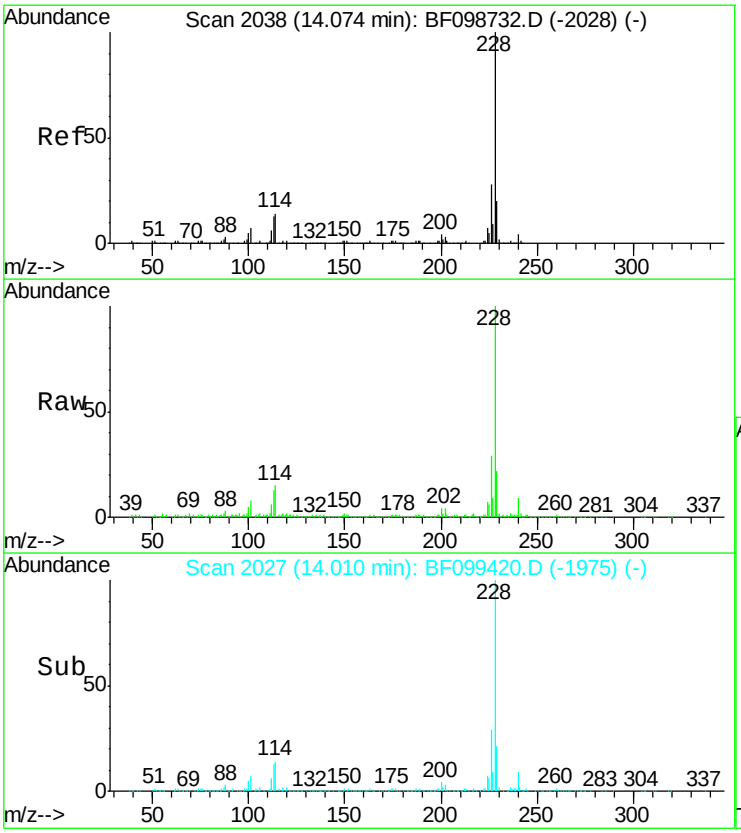
#78
Terphenyl-d14
Concen: 51.30 ng
RT: 12.96 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 475489

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	14.4	11.0	16.4

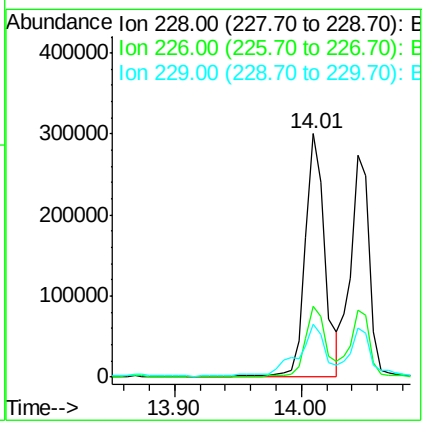


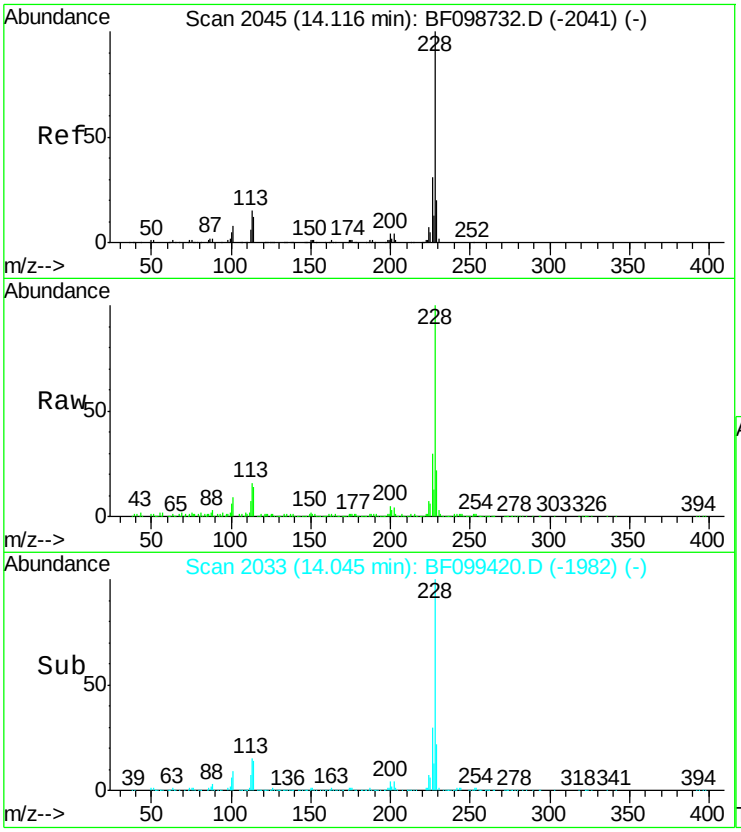


#80
Benzo(a)anthracene
Concen: 25.07 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.01 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Tgt Ion:228 Resp: 319959

Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	33.8
229	21.5	15.8	23.6



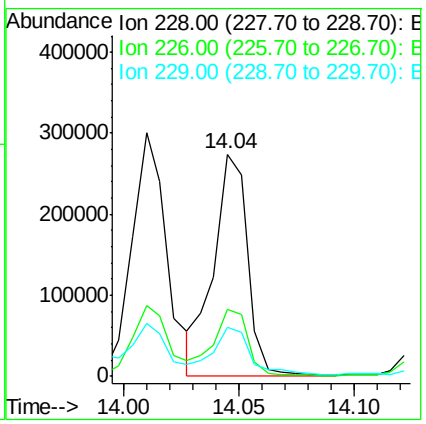


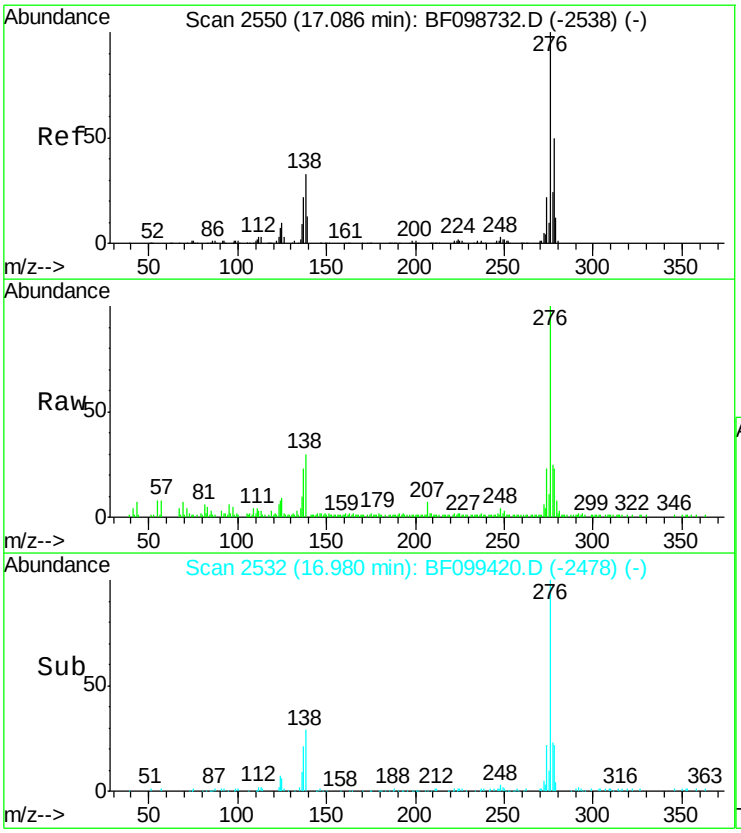
#82
Chrysene
Concen: 22.91 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.00 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 278373

Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	22.2	16.2	24.4

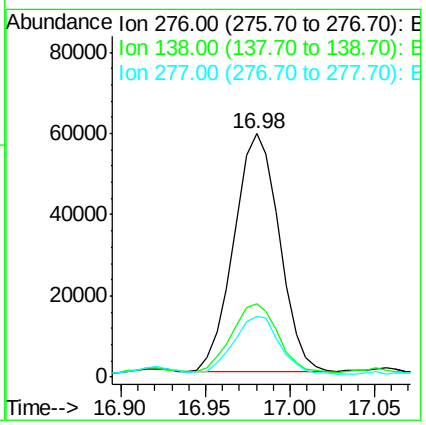


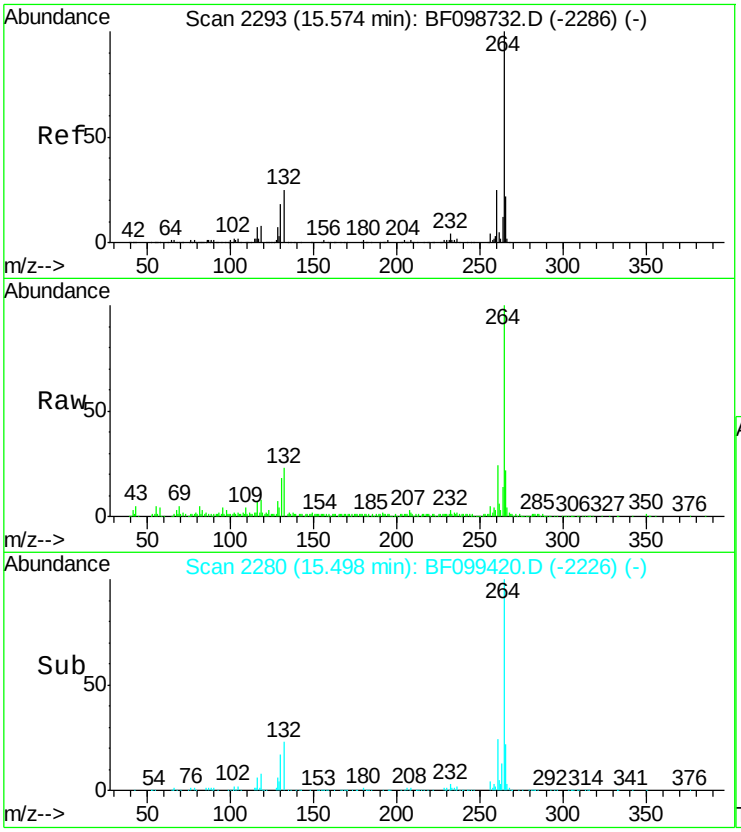


#85
Indeno(1,2,3-cd)pyrene
Concen: 11.32 ng
RT: 16.98 min Scan# 2532
Delta R.T. 0.02 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Tgt Ion:276 Resp: 110041

Ion	Ratio	Lower	Upper
276	100		
138	29.6	25.0	37.6
277	24.6	20.1	30.1



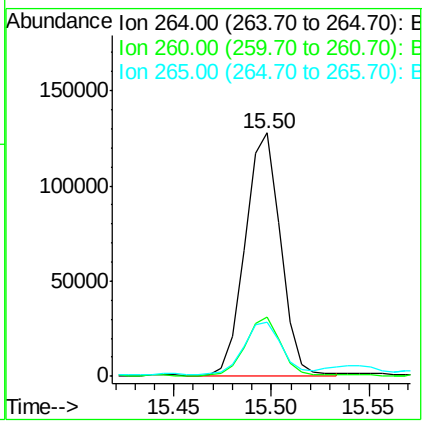


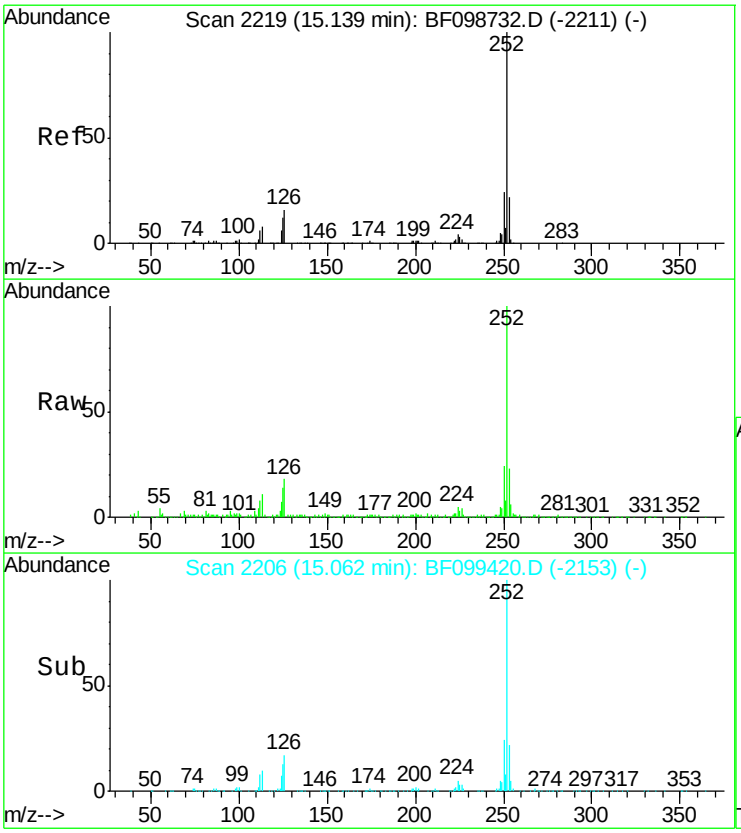
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.02 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 160533

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.3	17.5	26.3

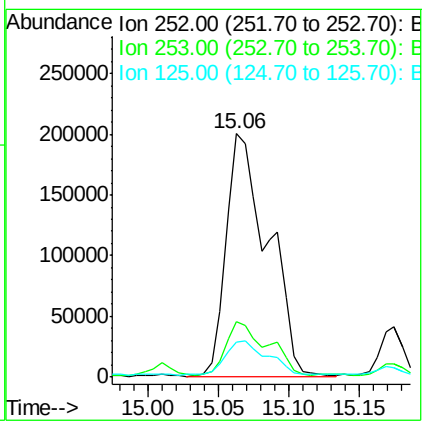


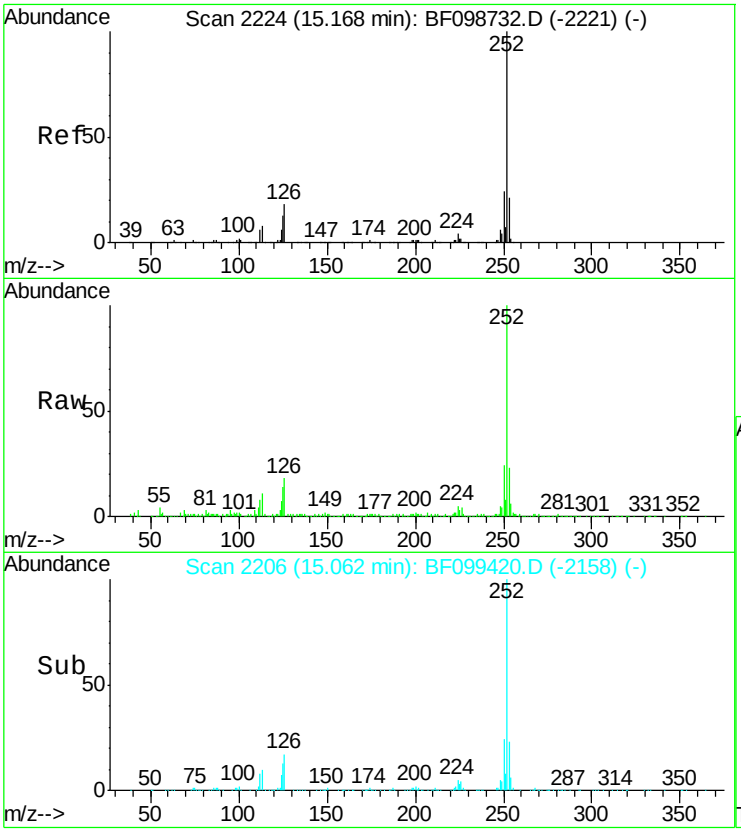


#87
Benzo(b)fluoranthene
Concen: 41.79 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Tgt Ion:252 Resp: 412477

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	14.3	9.0	13.6#



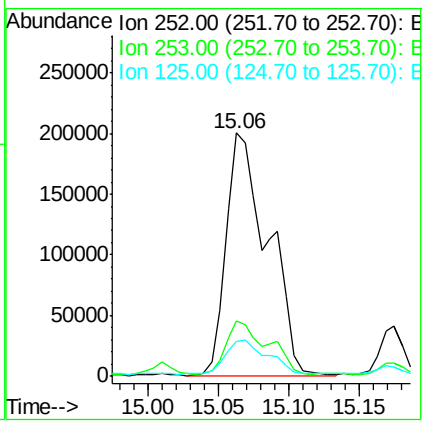


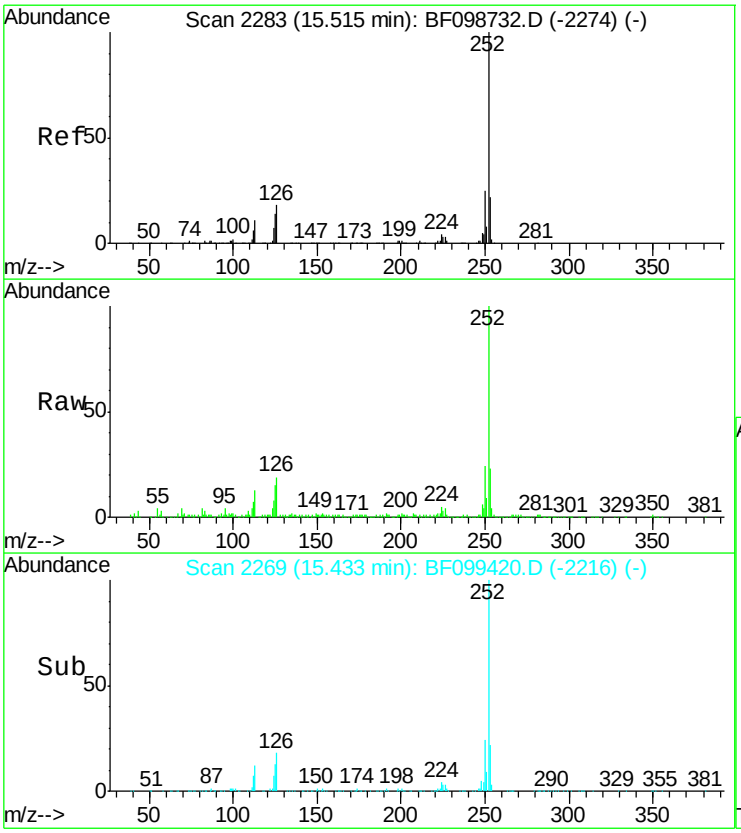
#88
Benzo(k)fluoranthene
Concen: 42.31 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 412477

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	14.3	10.2	15.2

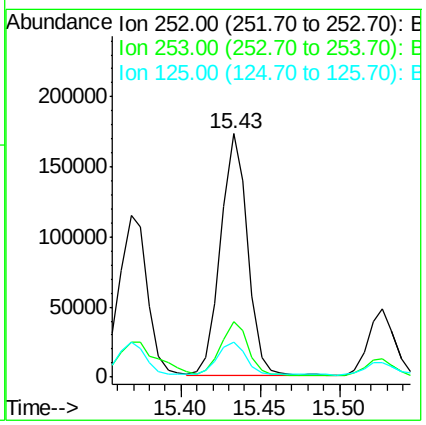


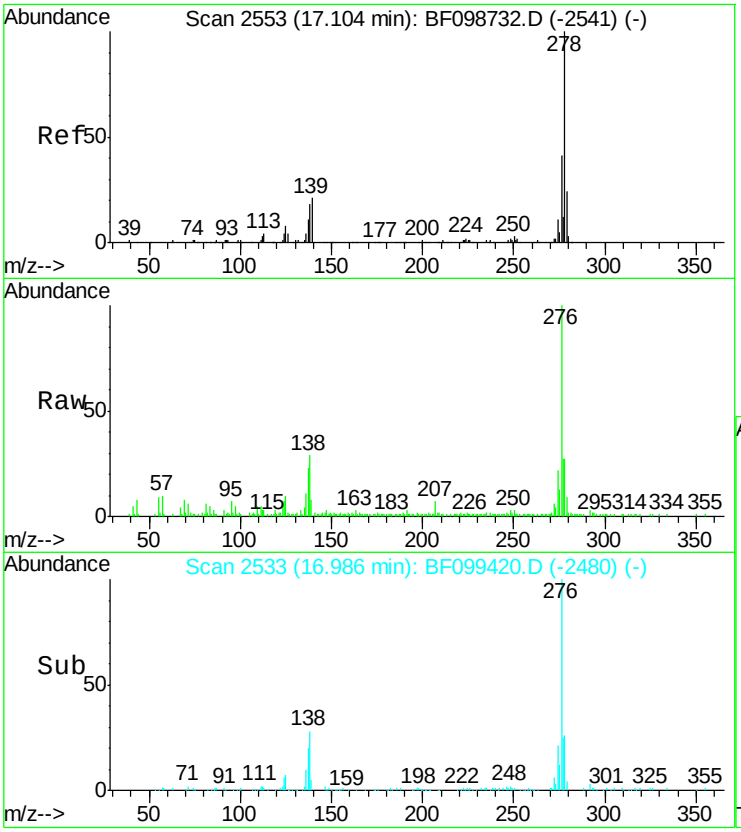


#89
Benzo(a)pyrene
Concen: 22.59 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Tgt Ion:252 Resp: 204707

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	14.6	9.8	14.6



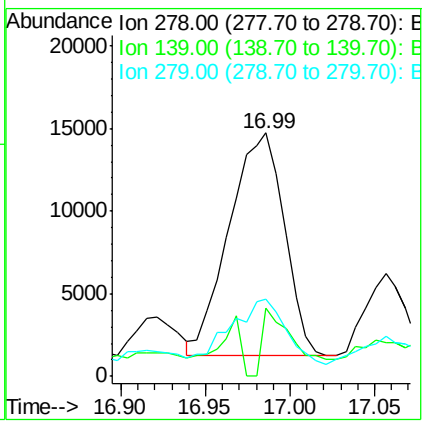


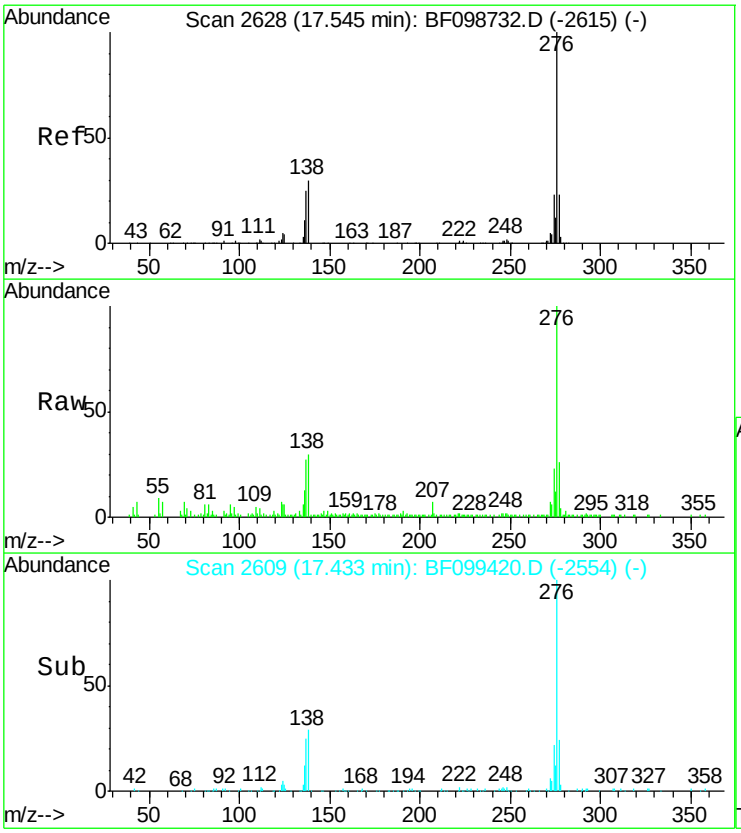
#90
Dibenzo(a,h)anthracene
Concen: 4.19 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.01 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 30347

Ion	Ratio	Lower	Upper
278	100		
139	28.1	15.9	23.9#
279	31.9	19.0	28.4#





#91
Benzo(g,h,i)perylene
Concen: 14.84 ng
RT: 17.43 min Scan# 2609
Delta R.T. 0.02 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Tgt Ion:276 Resp: 106380

Ion	Ratio	Lower	Upper
276	100		
277	25.9	17.9	26.9
138	30.3	21.8	32.8