Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF105004.D
Acq On : 2 May 2018 2:00
Operator : JU/SJ
Sample : J2453-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-14_1.0-1.5

Quant Time: May 02 06:58:19 2018
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 01 16:13:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	129107	20.00	ng		0.00
21) Naphthalene-d8	8.07	136	551144	20.00	ng		0.00
38) Acenaphthene-d10	9.83	164	255375	20.00	ng		0.00
63) Phenanthrene-d10	11.32	188	437324	20.00	ng		0.00
75) Chrysene-d12	14.03	240	273627	20.00	ng		0.06
86) Perylene-d12	15.59	264	269254	20.00	ng		0.16
System Monitoring Compounds							
5) 2-Fluorophenol	5.40	112	664865	78.74	ng		0.00
7) Phenol-d6	6.43	99	833010	80.29	ng		0.00
23) Nitrobenzene-d5	7.36	82	523809	62.06	ng		0.00
41) 2,4,6-Tribromophenol	10.63	330	206952	78.12	ng		0.00
44) 2-Fluorobiphenyl	9.15	172	844945	52.27	ng		0.00
78) Terphenyl-d14	12.92	244	694023	57.83	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	67916	10.018	ng	#	71
25) Isophorone	7.36	82	523806	29.347	ng	#	64
49) Dimethylphthalate	9.55	163	114261	5.674	ng		100
50) 2,6-Dinitrotoluene	9.83	165	34246	9.190	ng	#	26
55) 4-Nitrophenol	10.03	139	17114	4.994	ng	#	11
56) 2,4-Dinitrotoluene	9.83	165	34246	7.006	ng	#	23
57) Fluorene	10.38	166	54946	3.339	ng		97
64) 4,6-Dinitro-2-methylphenol	10.63	198	368	7.493	ng	#	1
66) 4-Bromophenyl-phenylether	10.63	248	13122	2.821	ng	#	1
70) Phenanthrene	11.35	178	650798	26.722	ng		99
71) Anthracene	11.40	178	191086	7.719	ng		97
72) Carbazole	11.56	167	84021	3.473	ng		98
74) Fluoranthene	12.54	202	711970	27.980	ng		97
76) Benzidine	12.68	184	866	Below Cal		#	66
77) Pyrene	12.77	202	628453	30.985	ng		100
80) Benzo(a)anthracene	14.02	228	313294	19.165	ng		98
82) Chrysene	14.06	228	276807	16.486	ng		97
85) Indeno(1,2,3-cd)pyrene	17.08	276	120191	8.427	ng		93
87) Benzo(b)fluoranthene	15.16	252	422620	24.852	ng		97
88) Benzo(k)fluoranthene	15.16	252	422620	26.324	ng		100
89) Benzo(a)pyrene	15.53	252	232514	15.281	ng		99
91) Benzo(g,h,i)perylene	17.52	276	106099	8.763	ng		94

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

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BNA_F
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T-14_1.0-1.5

Quant Time: May 02 06:58:19 2018
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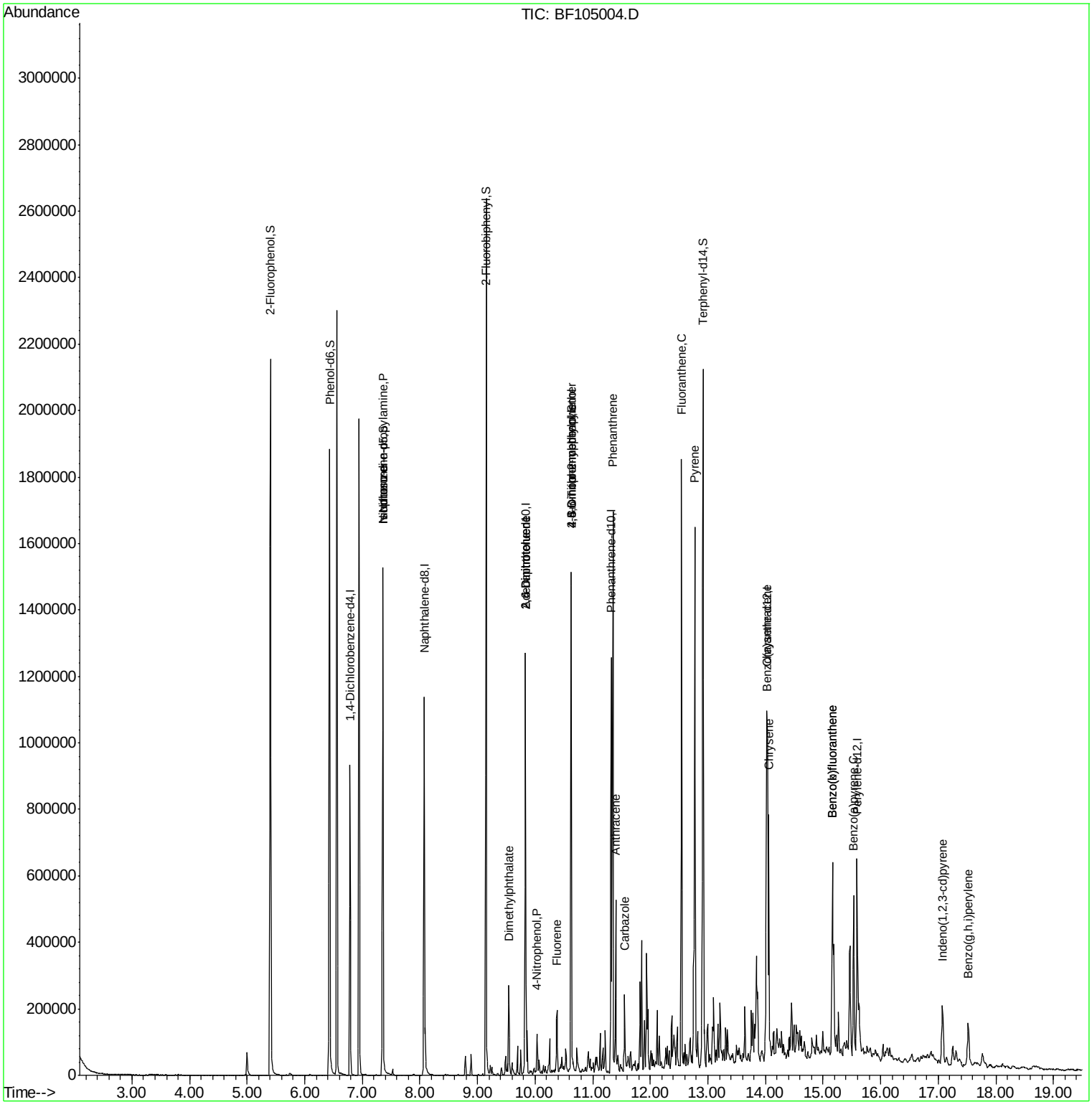
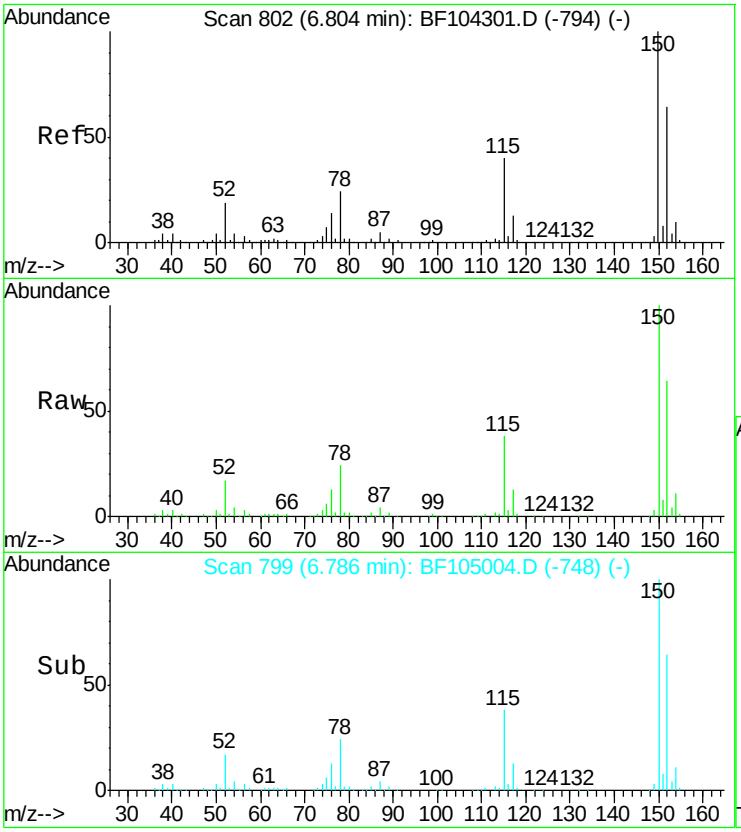


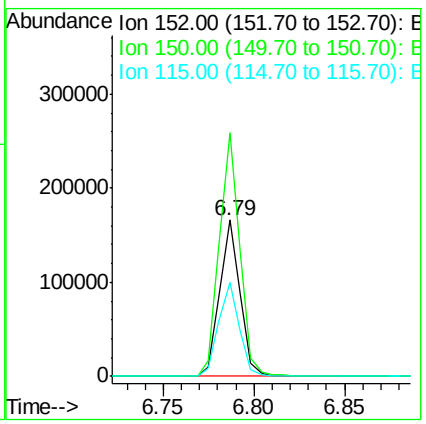


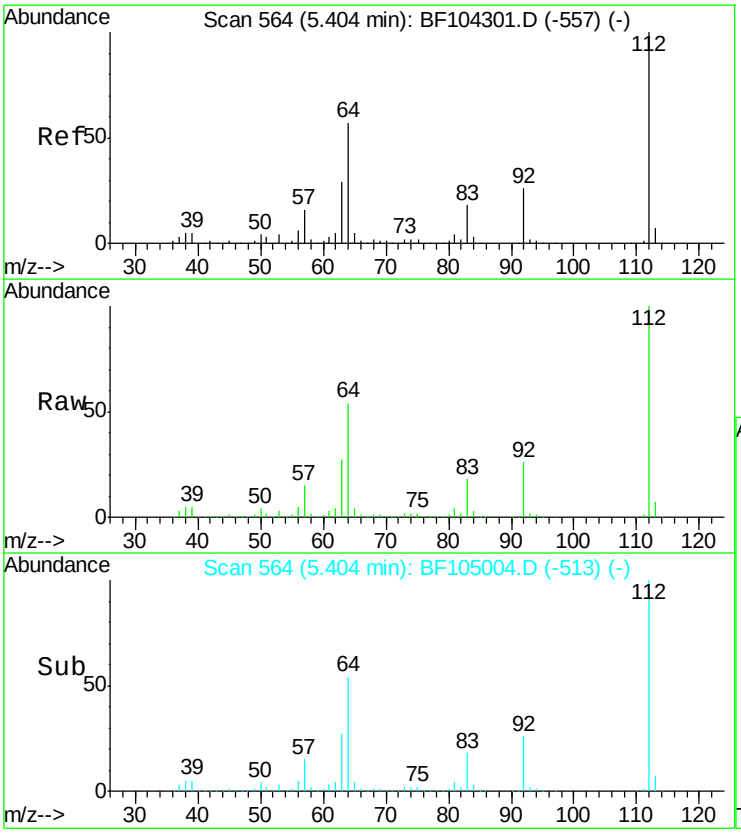
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Instrument :
BNA_F
ClientSampleId :
T-14_1.0-1.5

Tgt Ion:152 Resp: 129107

Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.6	186.8
115	59.7	50.1	75.1

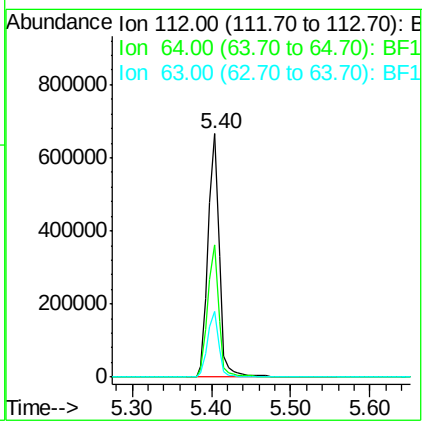


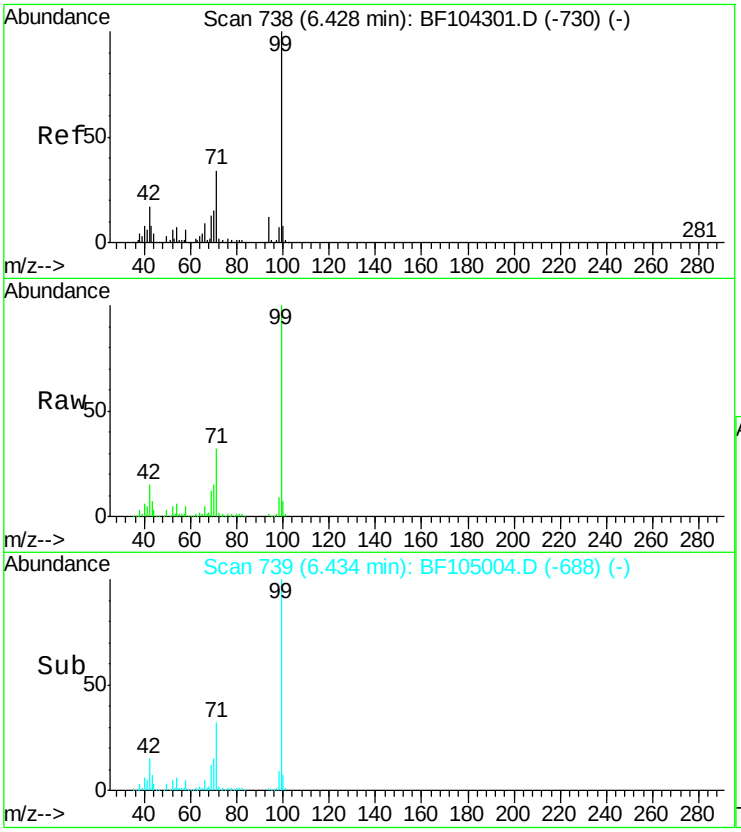


#5
2-Fluorophenol
Concen: 78.742 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Tgt Ion:112 Resp: 664865

Ion	Ratio	Lower	Upper
112	100		
64	54.2	47.9	71.9
63	27.2	23.7	35.5



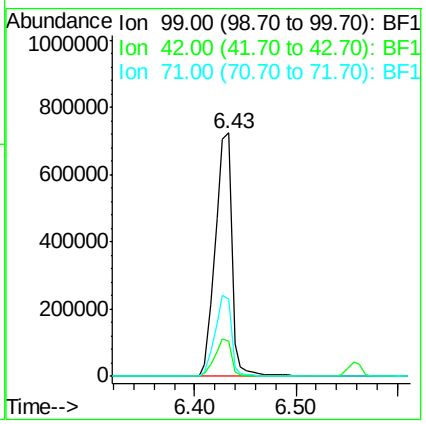


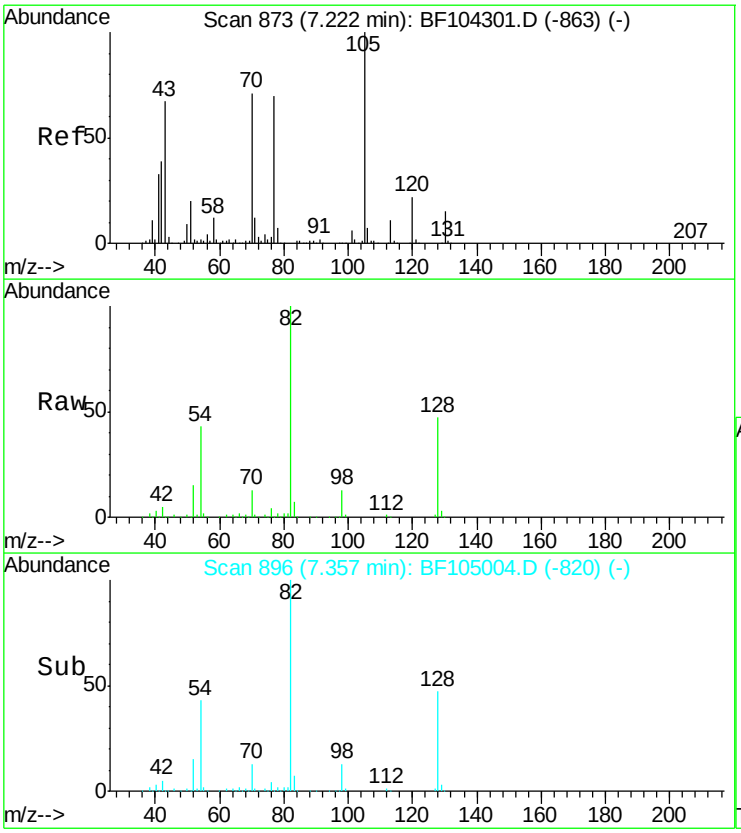
#7
Phenol-d6
Concen: 80.295 ng
RT: 6.43 min Scan# 739
Delta R.T. -0.00 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Instrument :
BNA_F
ClientSampleId :
T-14_1.0-1.5

Tgt Ion: 99 Resp: 833010

Ion	Ratio	Lower	Upper
99	100		
42	14.6	14.5	21.7
71	31.7	25.4	38.0

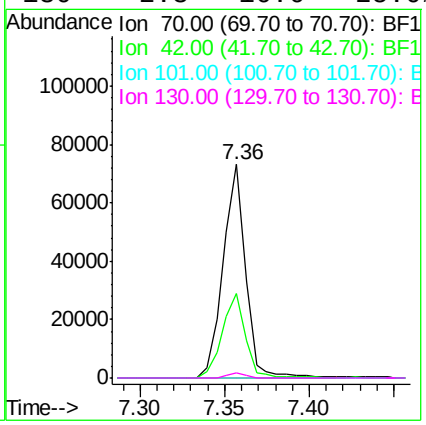


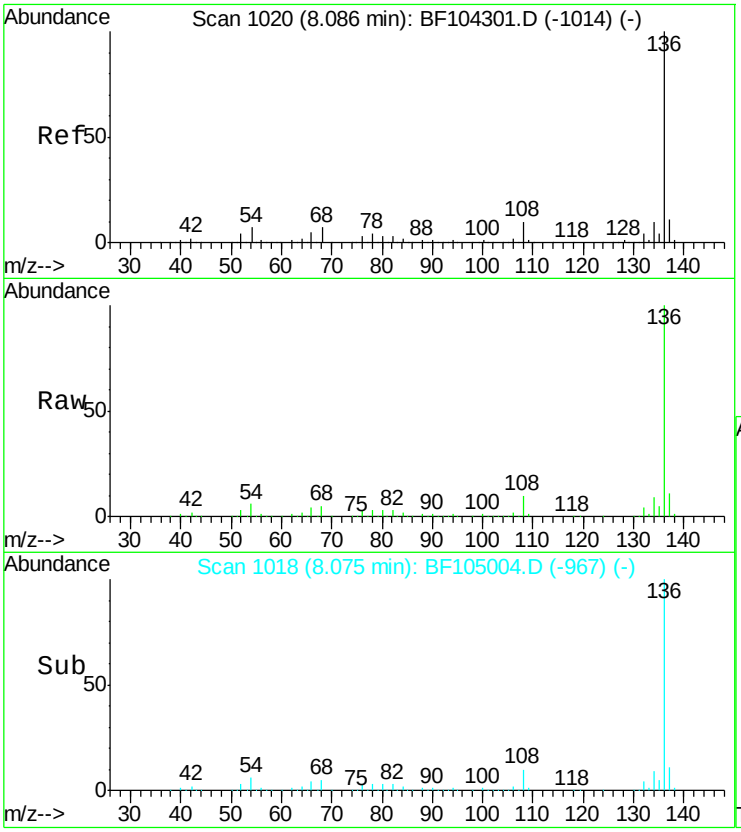


#19
n-Nitroso-di-n-propylamine
Concen: 10.018 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.15 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Tgt Ion: 70 Resp: 67916

Ion	Ratio	Lower	Upper
70	100		
42	39.5	47.5	71.3#
101	0.0	7.4	11.2#
130	2.3	16.6	25.0#



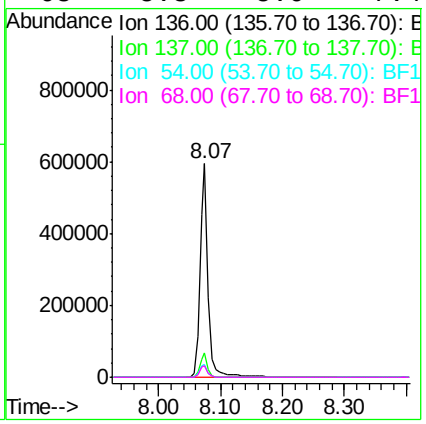


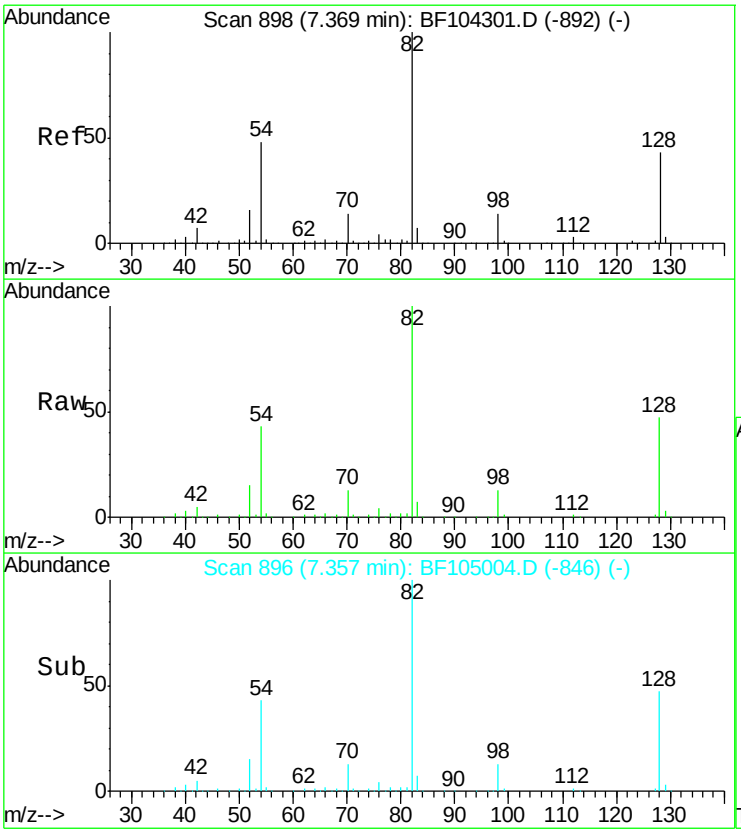
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Instrument :
BNA_F
ClientSampleId :
T-14_1.0-1.5

Tgt Ion:136 Resp: 551144

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	5.9	6.6	9.8#
68	5.3	5.0	7.4

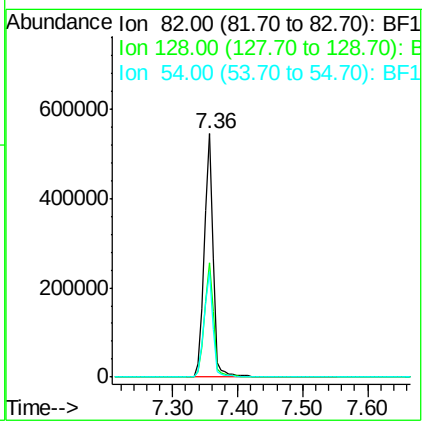


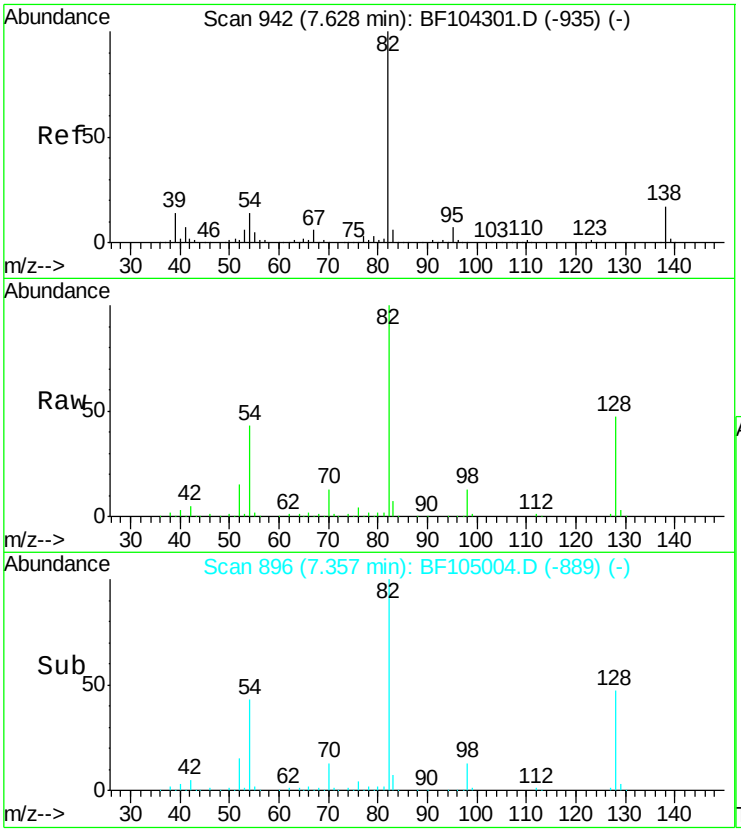


#23
Nitrobenzene-d5
Concen: 62.059 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Tgt Ion: 82 Resp: 523809

Ion	Ratio	Lower	Upper
82	100		
128	47.2	36.1	54.1
54	43.3	41.4	62.2



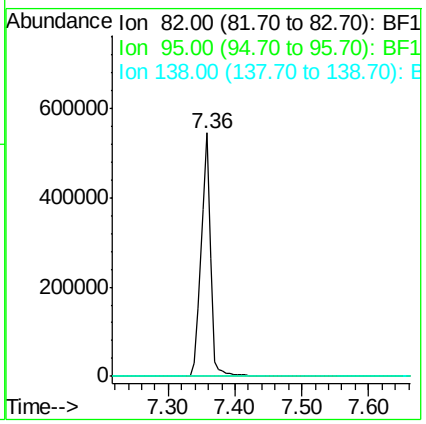


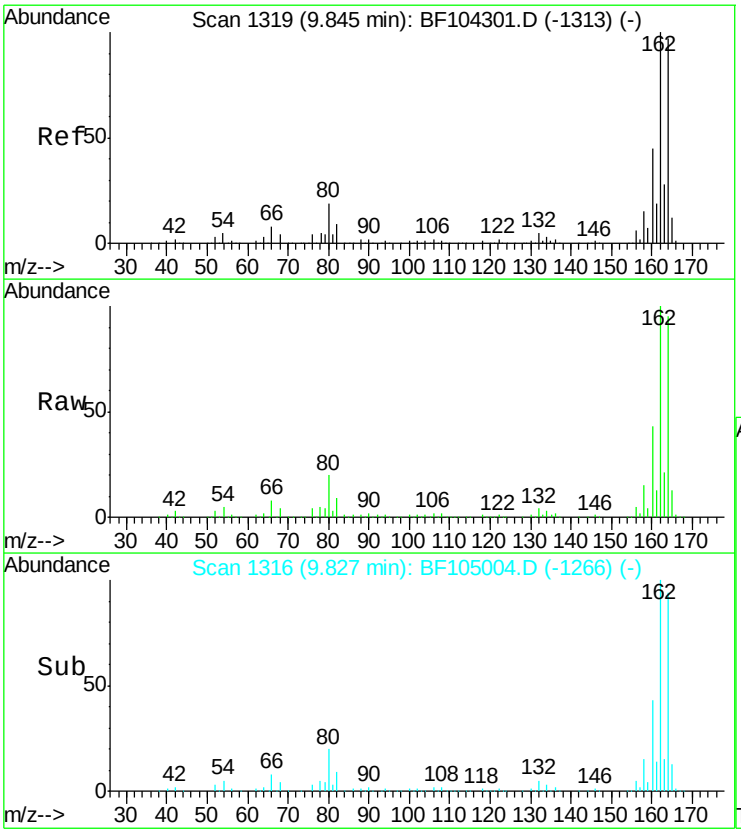
#25
Isophorone
Concen: 29.347 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.26 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Instrument :
BNA_F
ClientSampleId :
T-14_1.0-1.5

Tgt Ion: 82 Resp: 523806

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

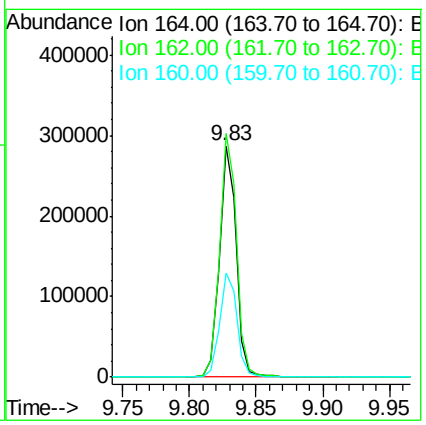


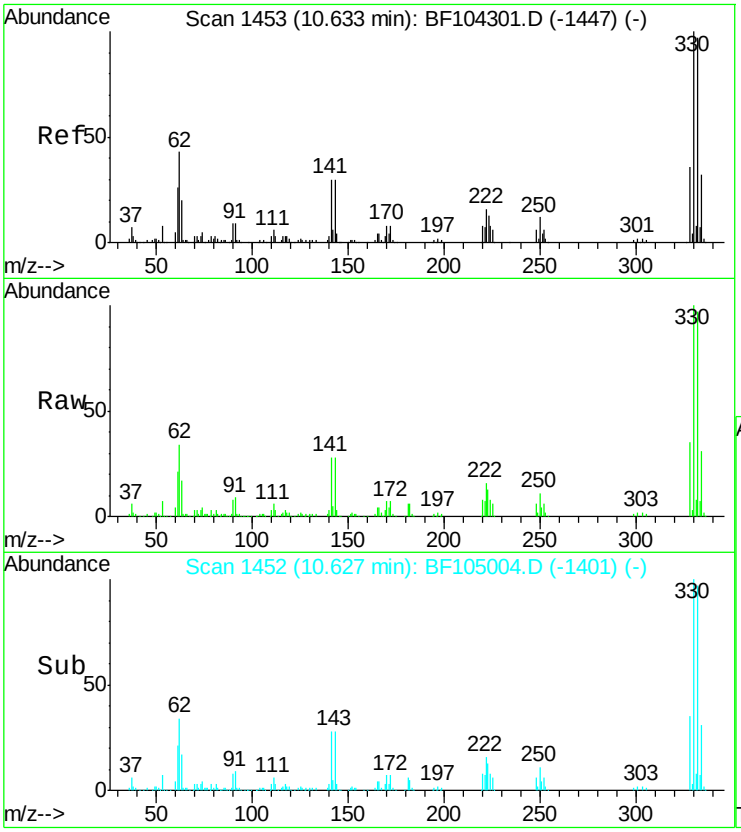


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Tgt Ion:164 Resp: 255375

Ion	Ratio	Lower	Upper
164	100		
162	105.3	86.1	129.1
160	45.0	38.3	57.5



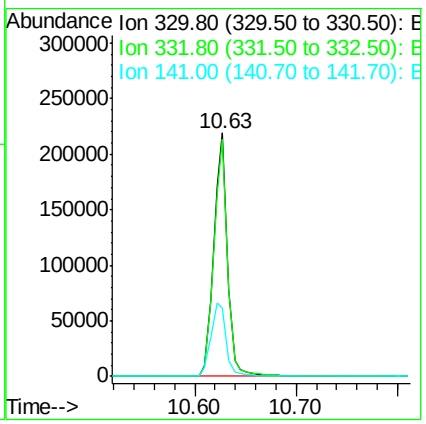


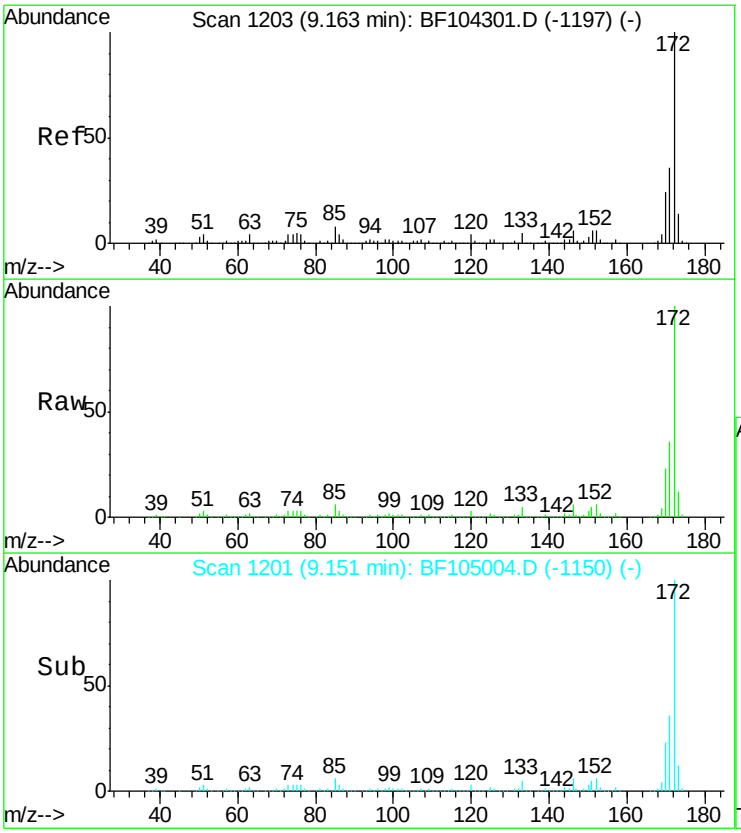
#41
2,4,6-Tribromophenol
Concen: 78.122 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.00 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Instrument :
BNA_F
ClientSampleId :
T-14_1.0-1.5

Tgt Ion:330 Resp: 206952

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	34.0	29.9	44.9

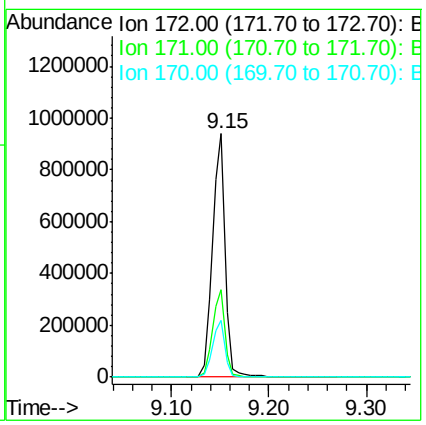


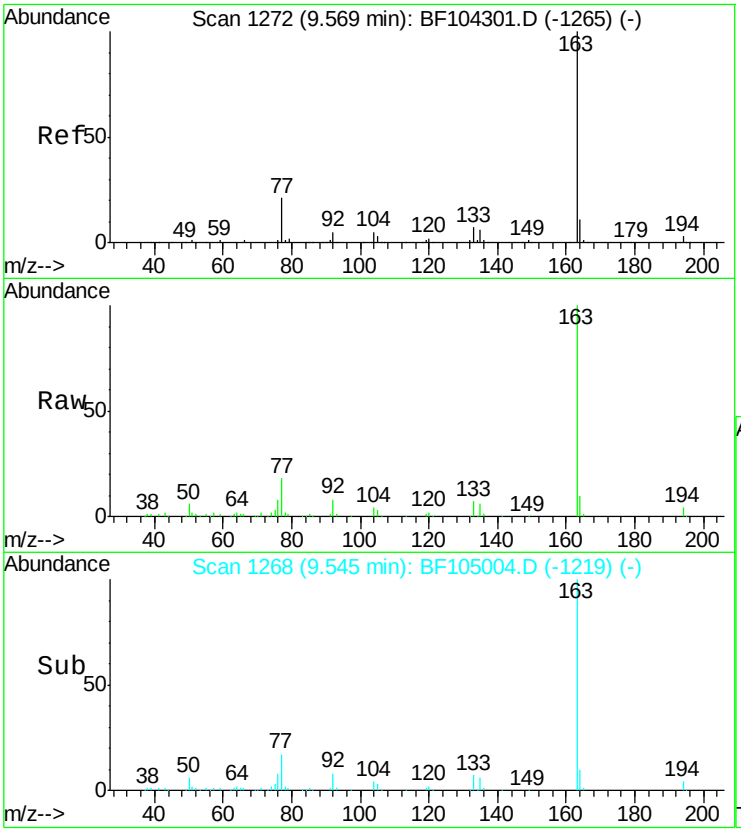


#44
2-Fluorobiphenyl
Concen: 52.268 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Tgt Ion:172 Resp: 844945

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.3	19.6	29.4



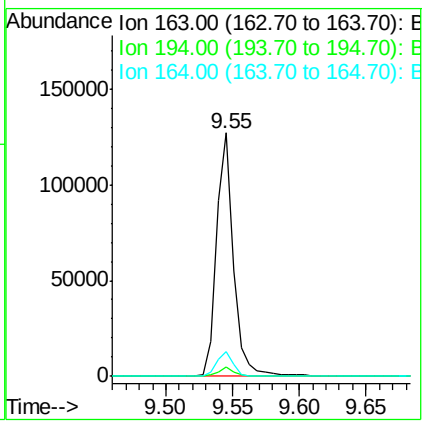


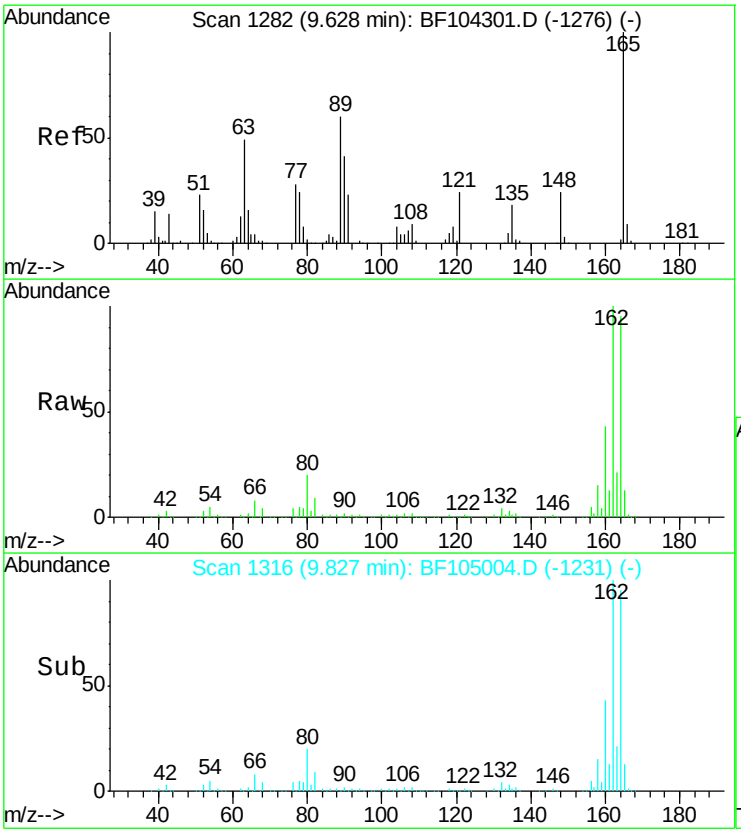
#49
Dimethylphthalate
Concen: 5.674 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Instrument :
BNA_F
ClientSampleId :
T-14_1.0-1.5

Tgt Ion:163 Resp: 114261

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	10.2	8.2	12.2

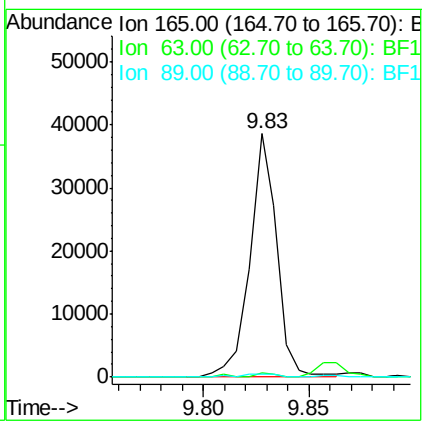


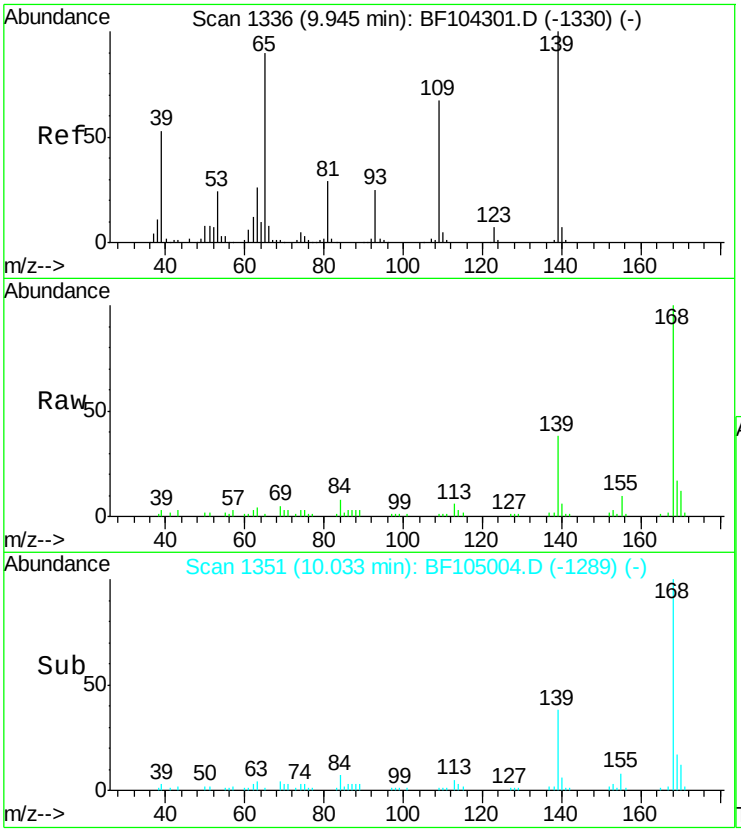


#50
2,6-Dinitrotoluene
Concen: 9.190 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.20 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Tgt Ion:165 Resp: 34246

Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.7	67.1#
89	1.5	44.0	66.0#



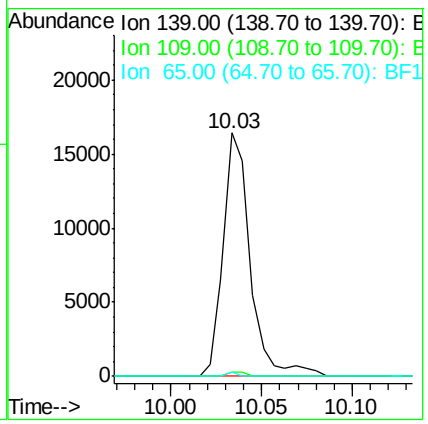


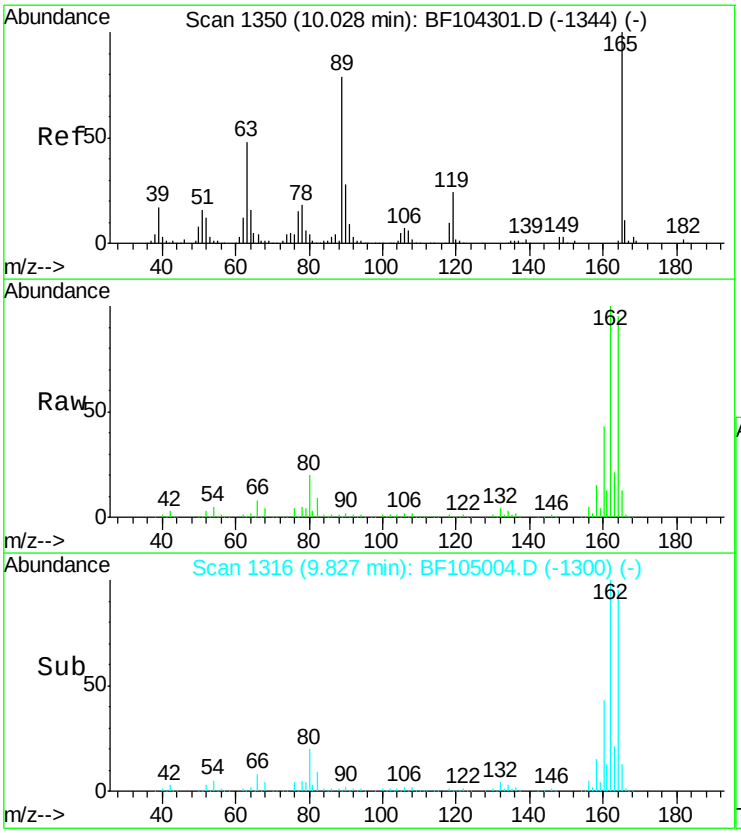
#55
4-Nitrophenol
Concen: 4.994 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.06 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Instrument :
BNA_F
ClientSampleId :
T-14_1.0-1.5

Tgt Ion:139 Resp: 17114

Ion	Ratio	Lower	Upper
139	100		
109	1.9	48.4	88.4#
65	1.9	72.6	112.6#

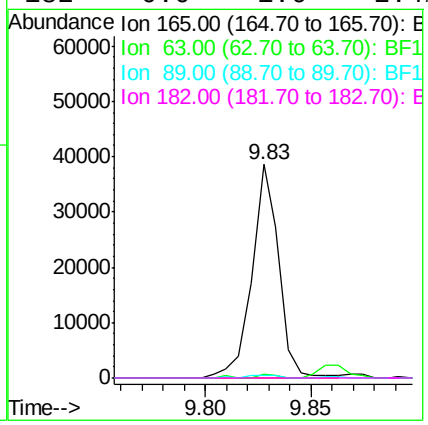


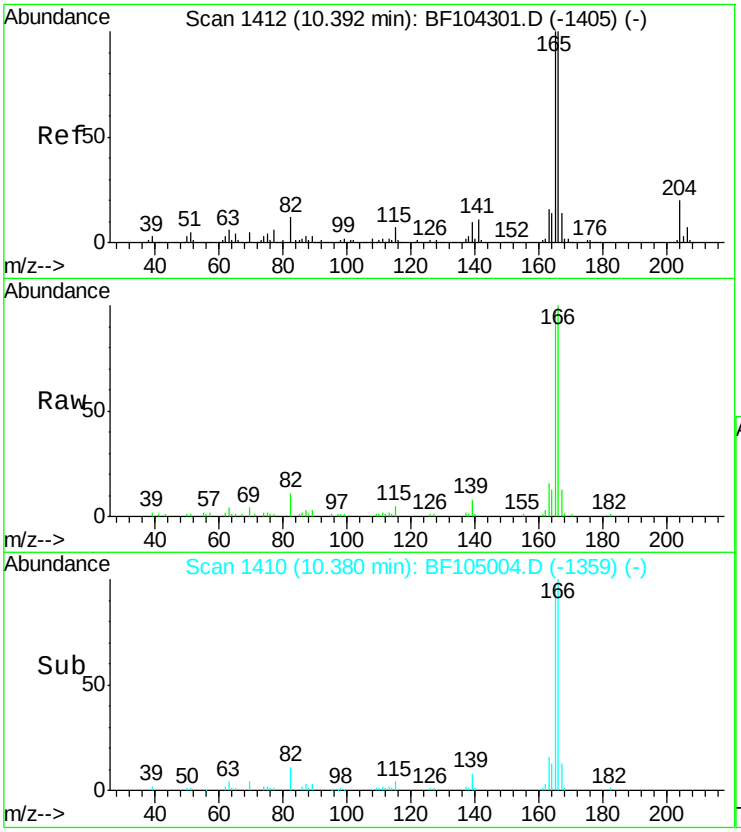


#56
2,4-Dinitrotoluene
Concen: 7.006 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.21 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Tgt Ion:165 Resp: 34246

Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



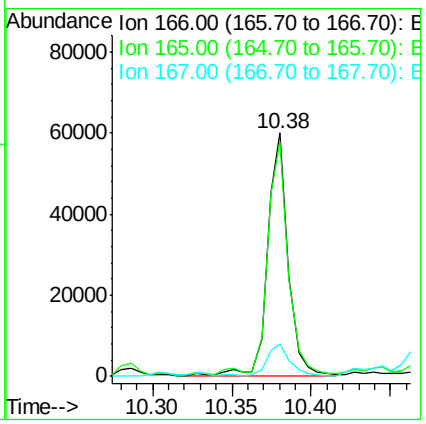


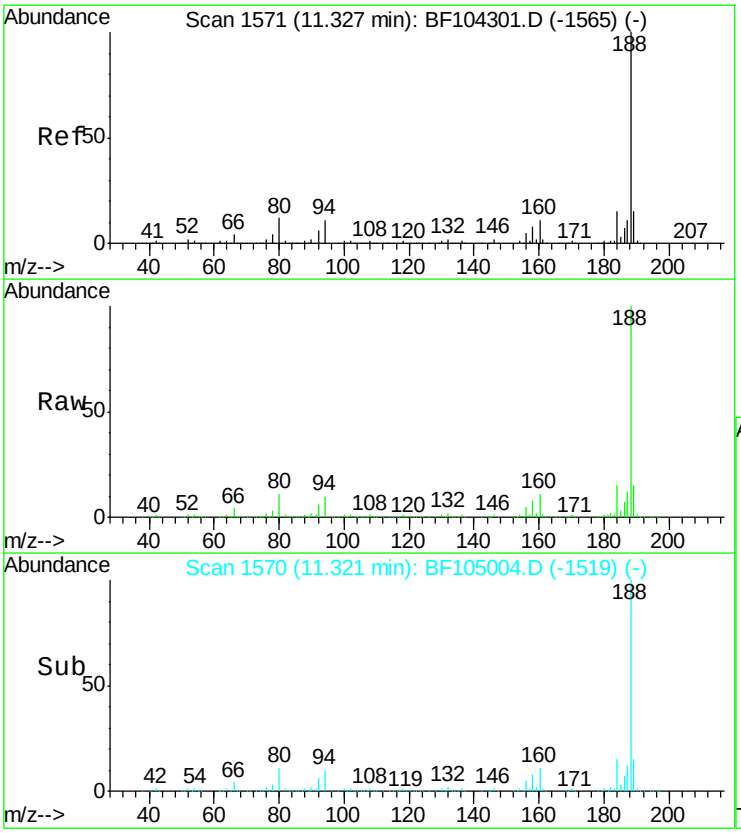
#57
Fluorene
Concen: 3.339 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.00 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Instrument :
BNA_F
ClientSampleId :
T-14_1.0-1.5

Tgt Ion:166 Resp: 54946

Ion	Ratio	Lower	Upper
166	100		
165	96.6	79.8	119.8
167	13.5	10.6	16.0

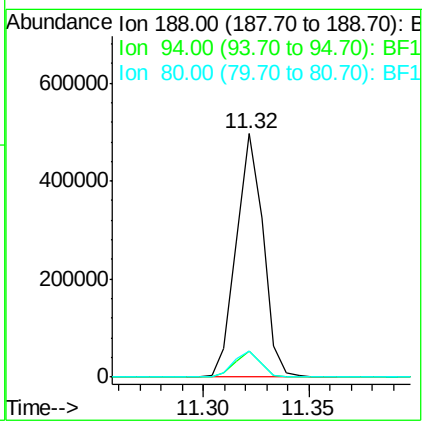


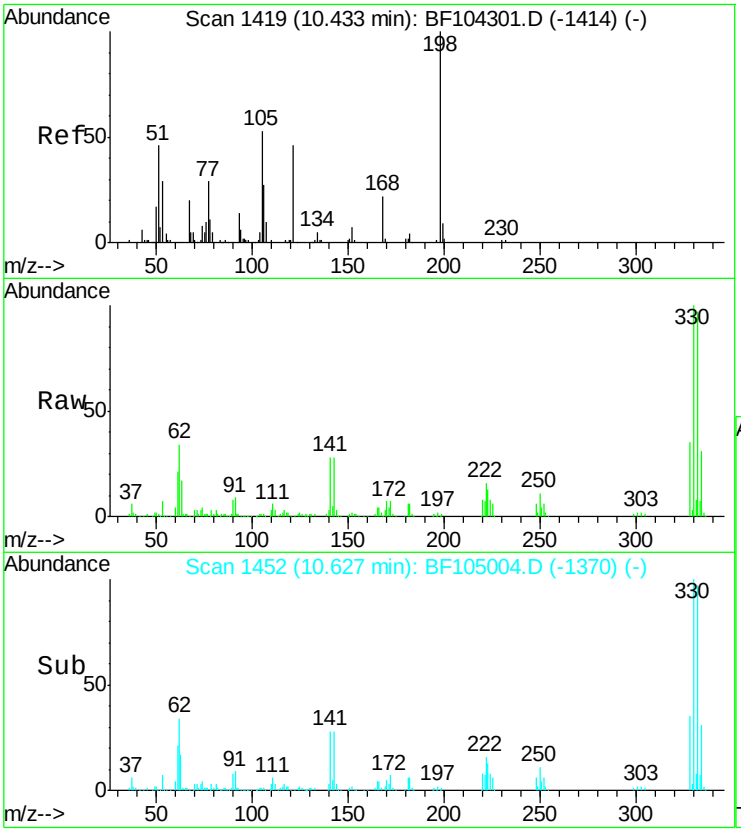


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Tgt Ion:188 Resp: 437324

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.5	12.7
80	10.8	9.2	13.8



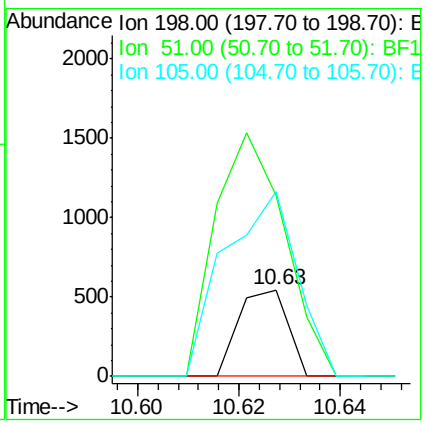


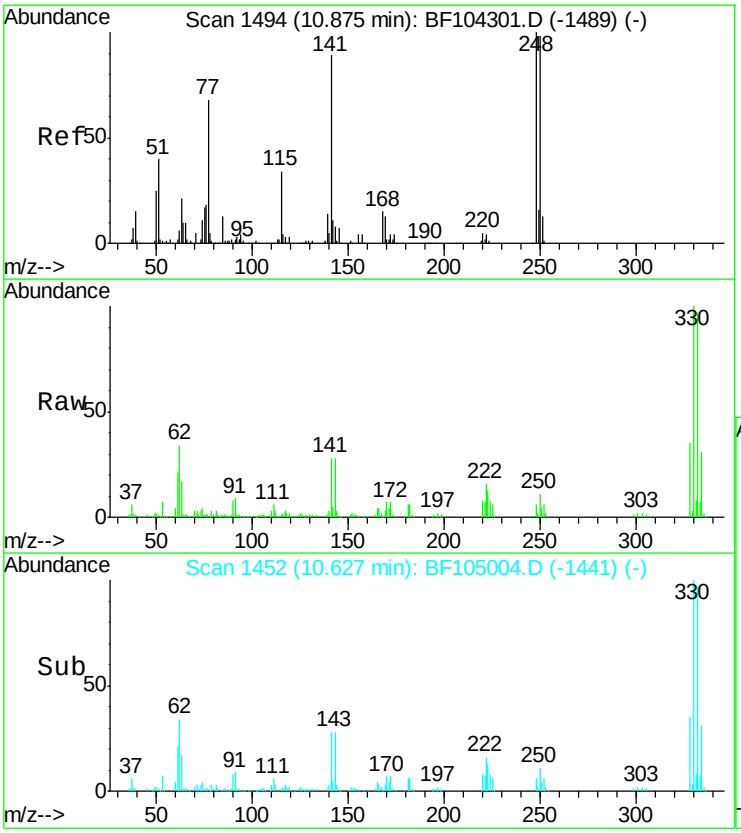
#64
4,6-Dinitro-2-methylphenol
Concen: 7.493 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.18 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Instrument :
BNA_F
ClientSampleId :
T-14_1.0-1.5

Tgt Ion:198 Resp: 368

Ion	Ratio	Lower	Upper
198	100		
51	208.6	37.7	77.7#
105	212.2	36.3	76.3#

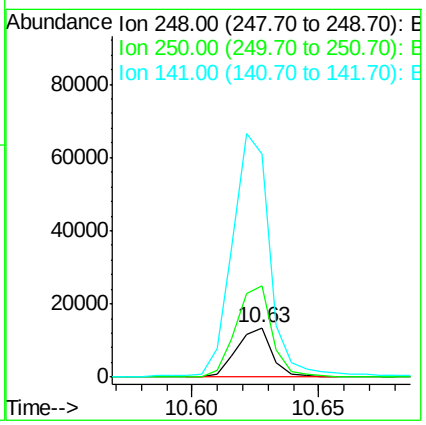


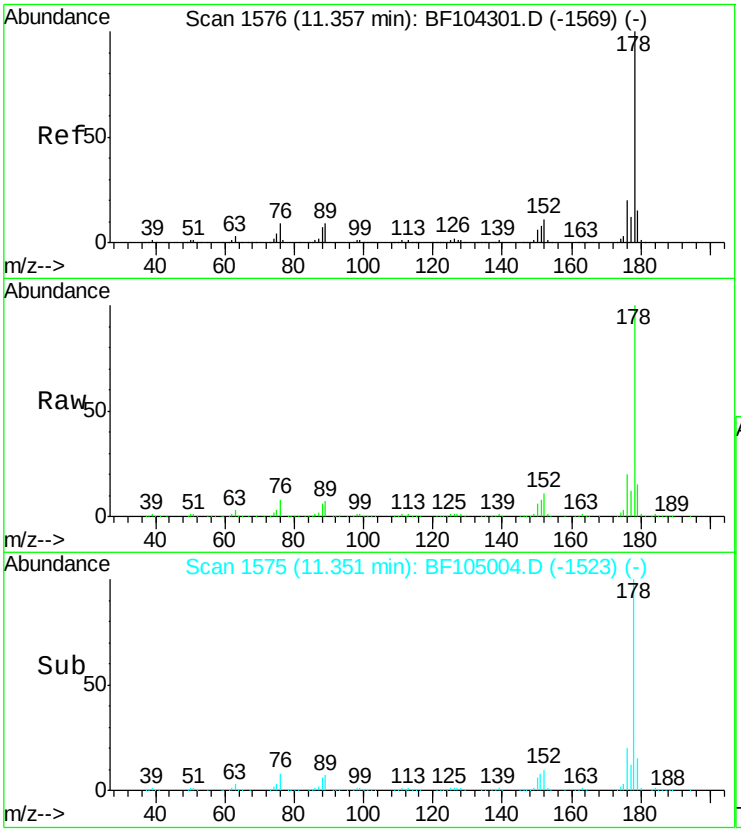


#66
4-Bromophenyl-phenylether
Concen: 2.821 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.24 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Tgt Ion:248 Resp: 13122

Ion	Ratio	Lower	Upper
248	100		
250	185.9	76.9	115.3#
141	452.9	74.4	111.6#



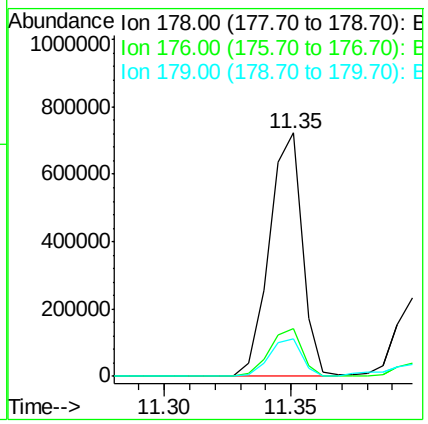


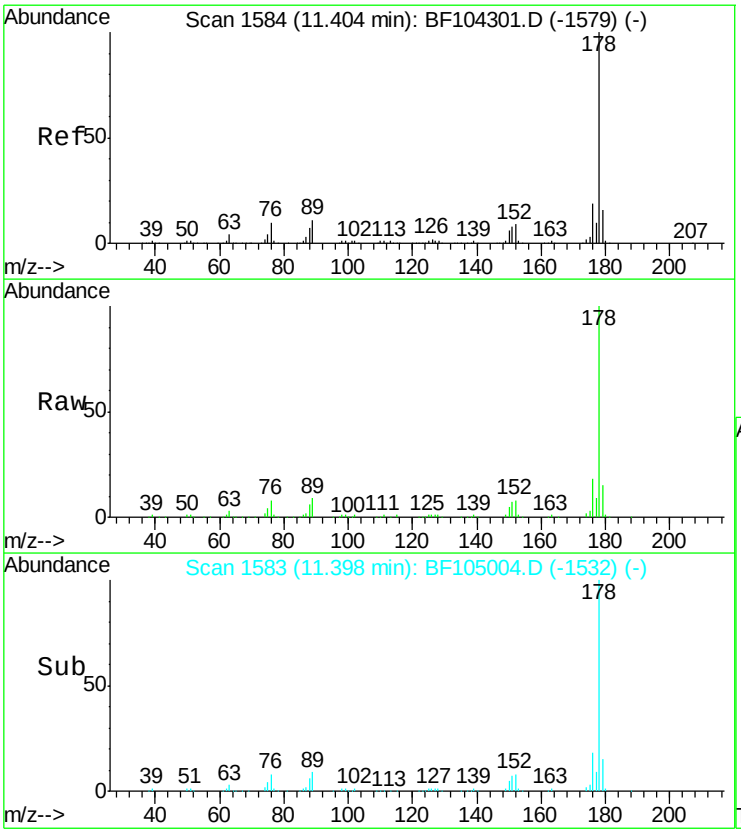
#70
Phenanthrene
Concen: 26.722 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.01 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Instrument :
BNA_F
ClientSampleId :
T-14_1.0-1.5

Tgt Ion:178 Resp: 650798

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.4	13.0	19.6

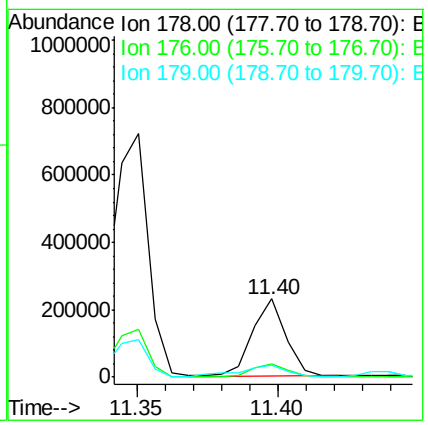


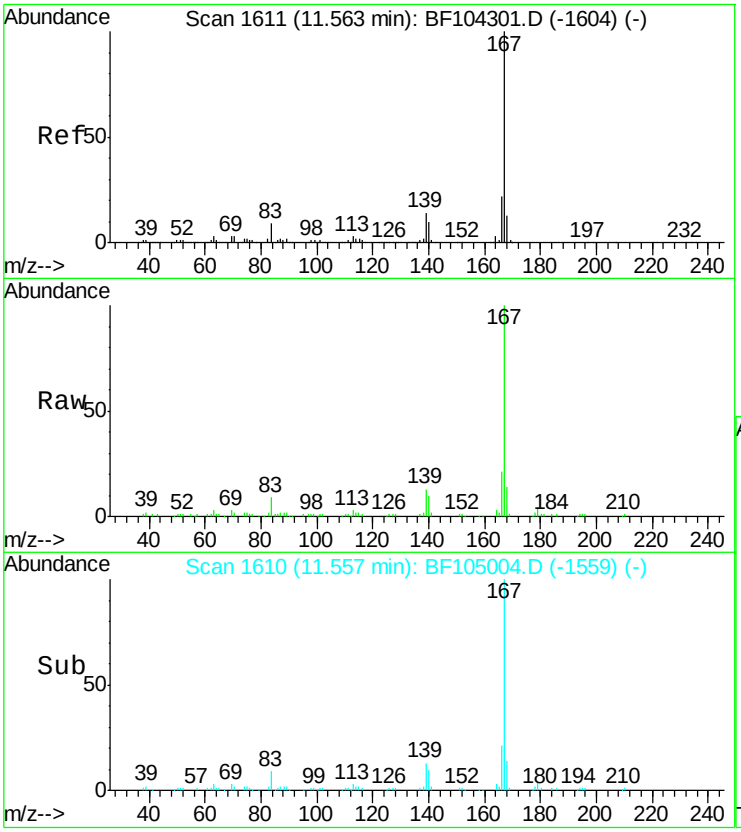


#71
Anthracene
Concen: 7.719 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Tgt Ion:178 Resp: 191086

Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.2
179	15.2	12.6	19.0



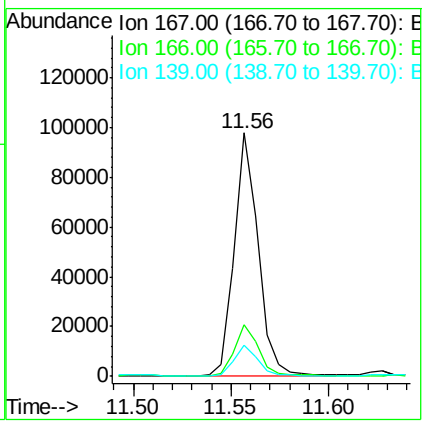


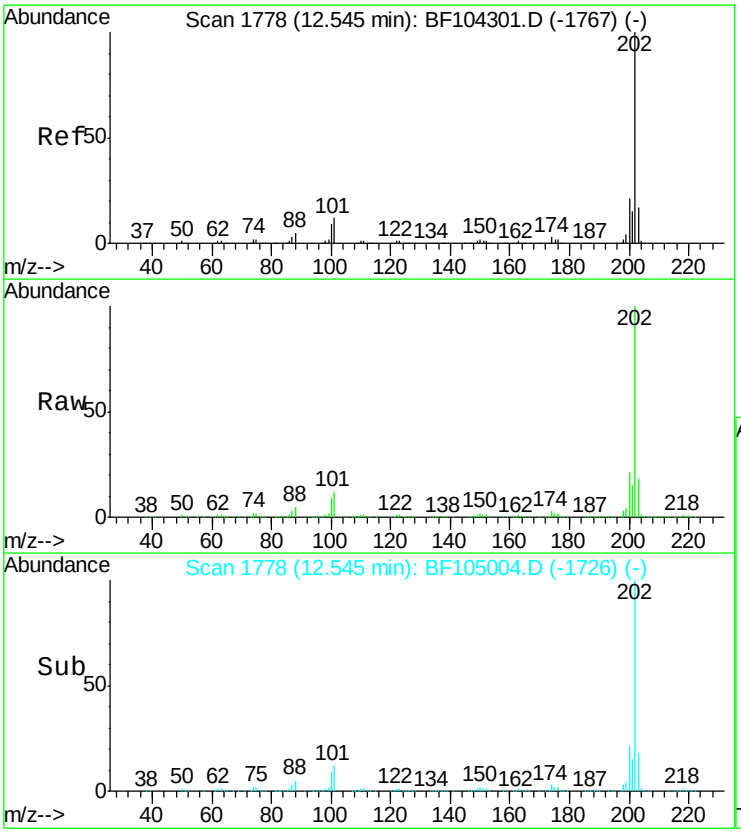
#72
Carbazole
Concen: 3.473 ng
RT: 11.56 min Scan# 1610
Delta R.T. -0.00 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Instrument :
BNA_F
ClientSampleId :
T-14_1.0-1.5

Tgt Ion:167 Resp: 84021

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.6	26.4
139	12.8	10.9	16.3

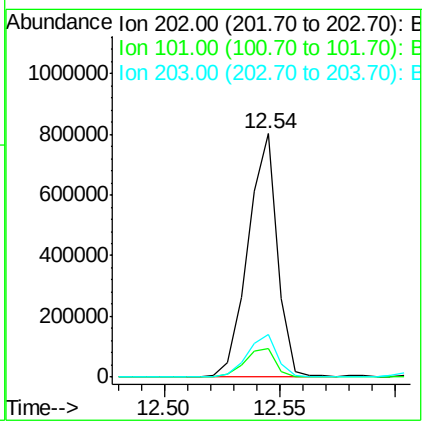


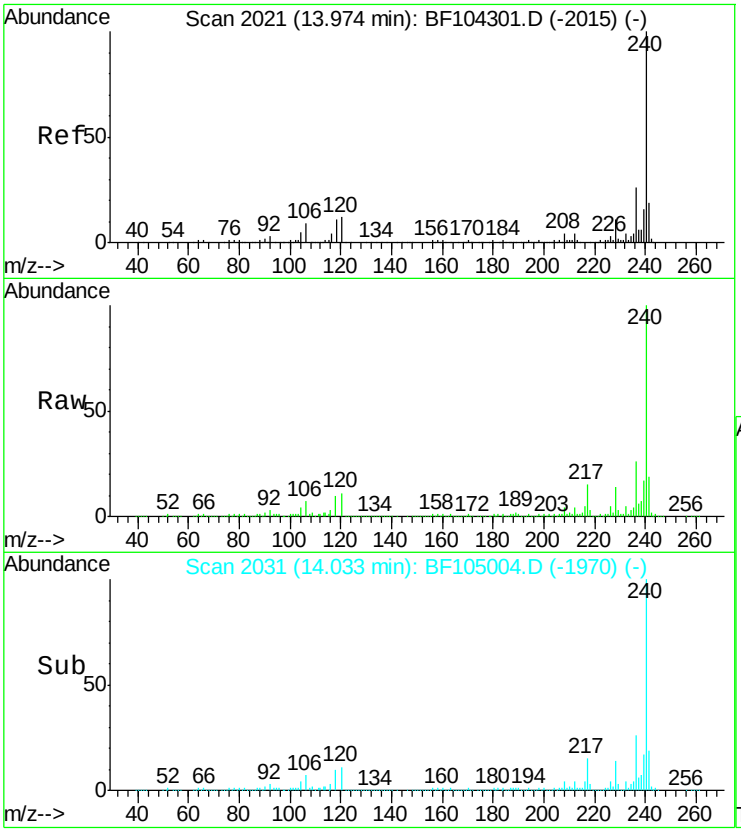


#74
Fluoranthene
Concen: 27.980 ng
RT: 12.54 min Scan# 1778
Delta R.T. 0.01 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Tgt Ion:202 Resp: 711970

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	34.1
203	17.7	0.0	38.1



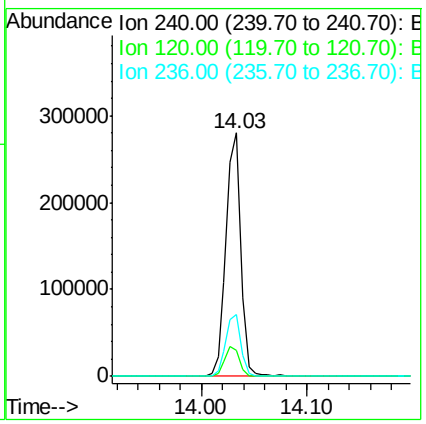


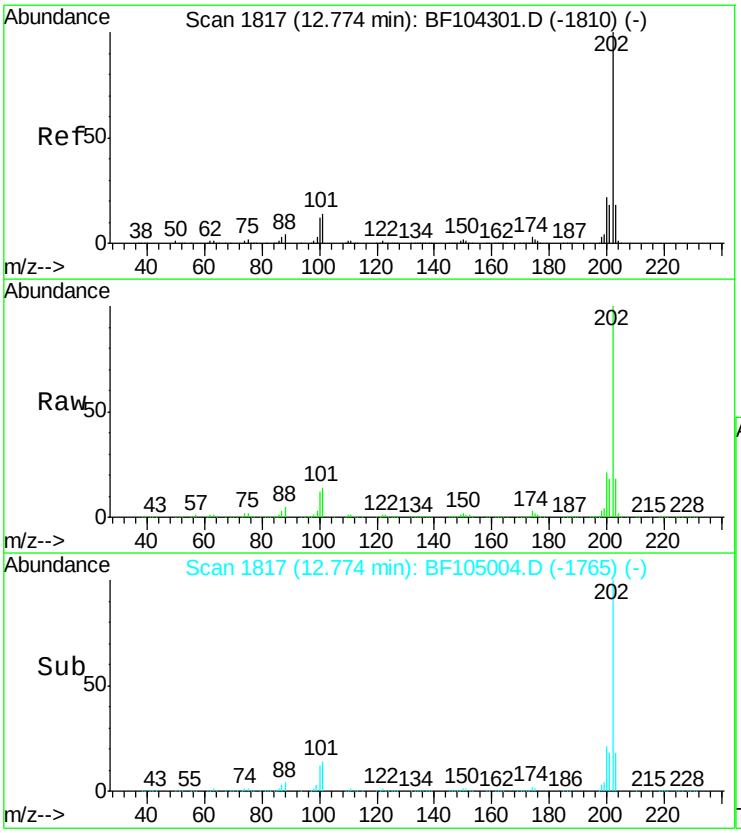
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.06 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Instrument :
BNA_F
ClientSampleId :
T-14_1.0-1.5

Tgt Ion:240 Resp: 273627

Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.5	14.3
236	25.7	20.7	31.1

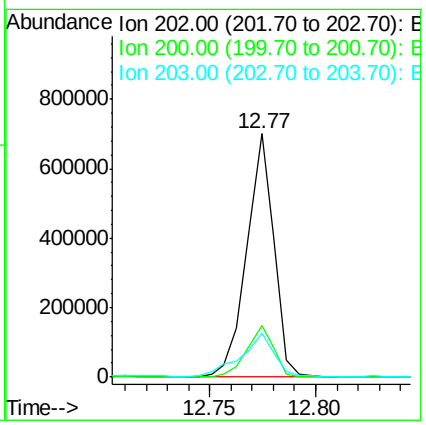


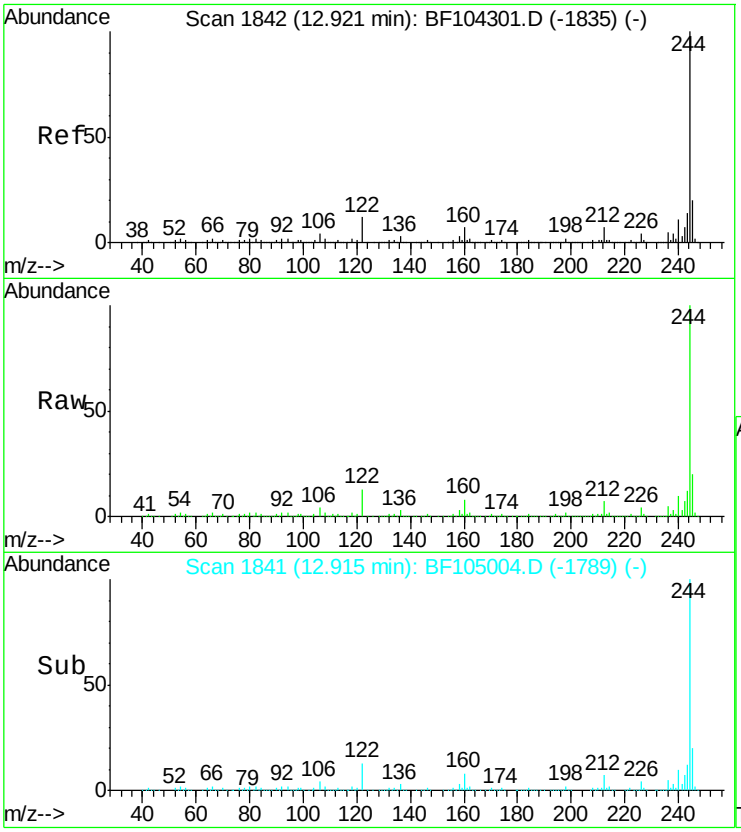


#77
Pyrene
Concen: 30.985 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.01 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Tgt Ion:202 Resp: 628453

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.9	14.3	21.5



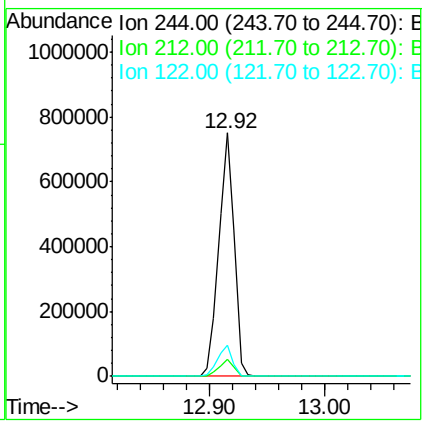


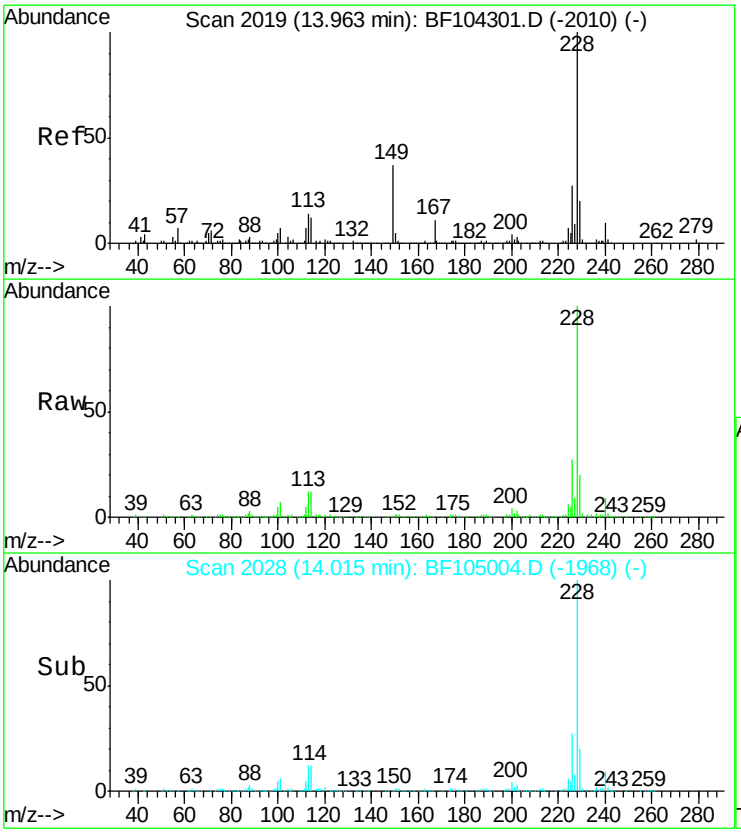
#78
Terphenyl-d14
Concen: 57.825 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.01 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Instrument :
BNA_F
ClientSampleId :
T-14_1.0-1.5

Tgt Ion:244 Resp: 694023

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.7	11.0	16.4

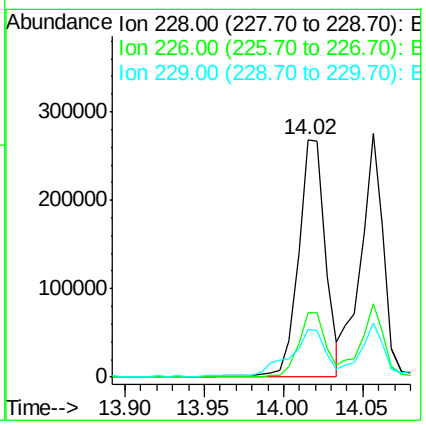


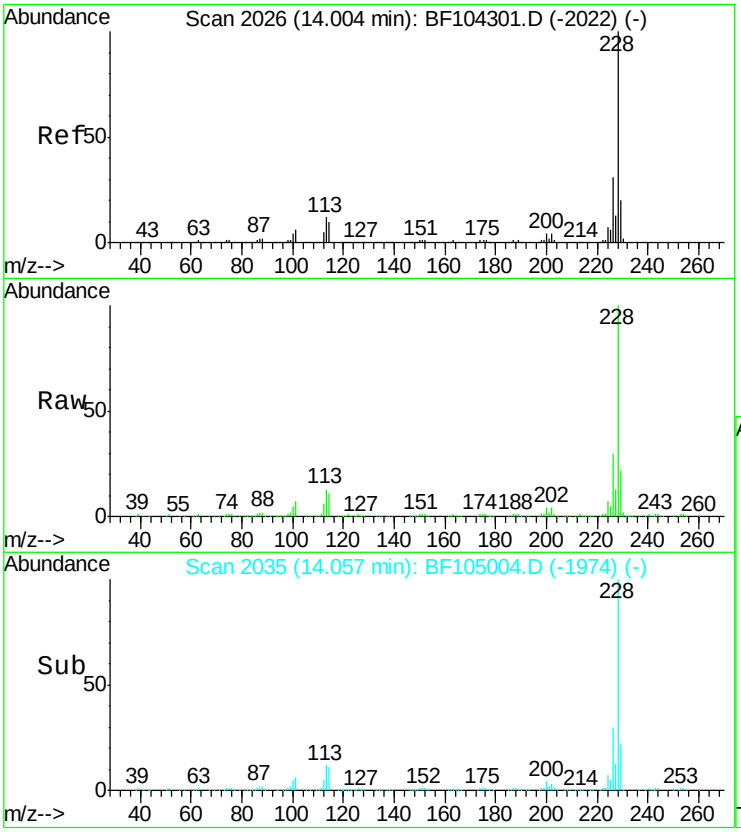


#80
Benzo(a)anthracene
Concen: 19.165 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.05 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Tgt Ion:228 Resp: 313294

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.6	33.8
229	20.2	15.8	23.6



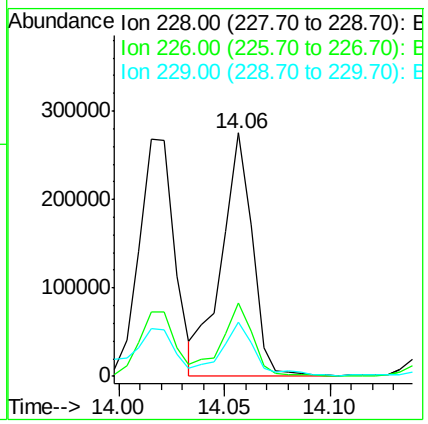


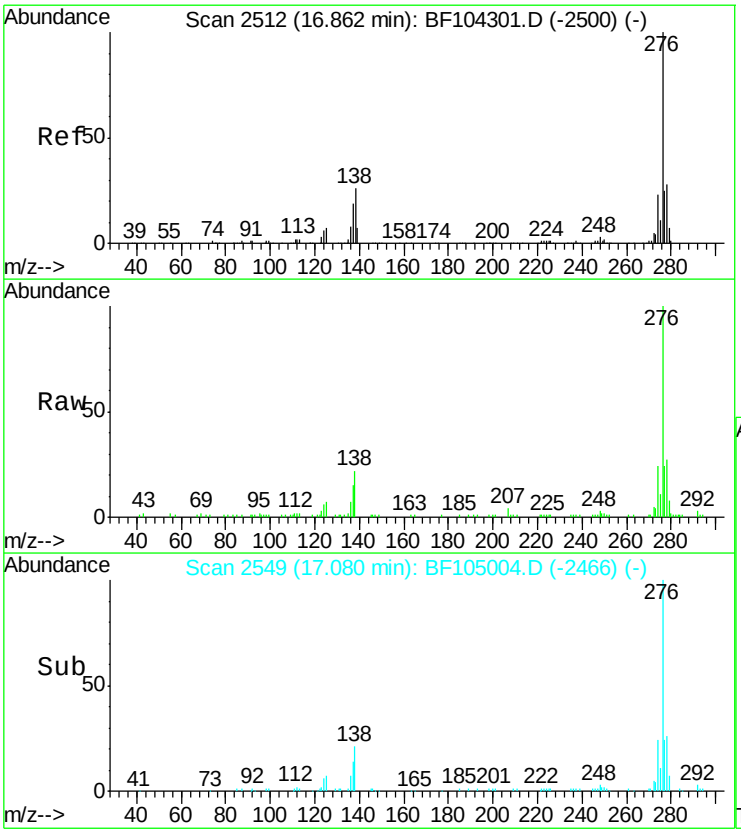
#82
Chrysene
Concen: 16.486 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.06 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Instrument :
BNA_F
ClientSampleId :
T-14_1.0-1.5

Tgt Ion:228 Resp: 276807

Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	22.3	16.2	24.4

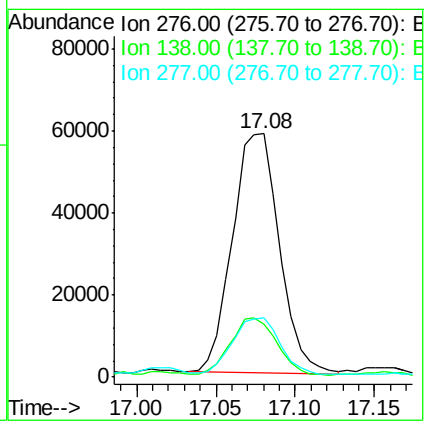


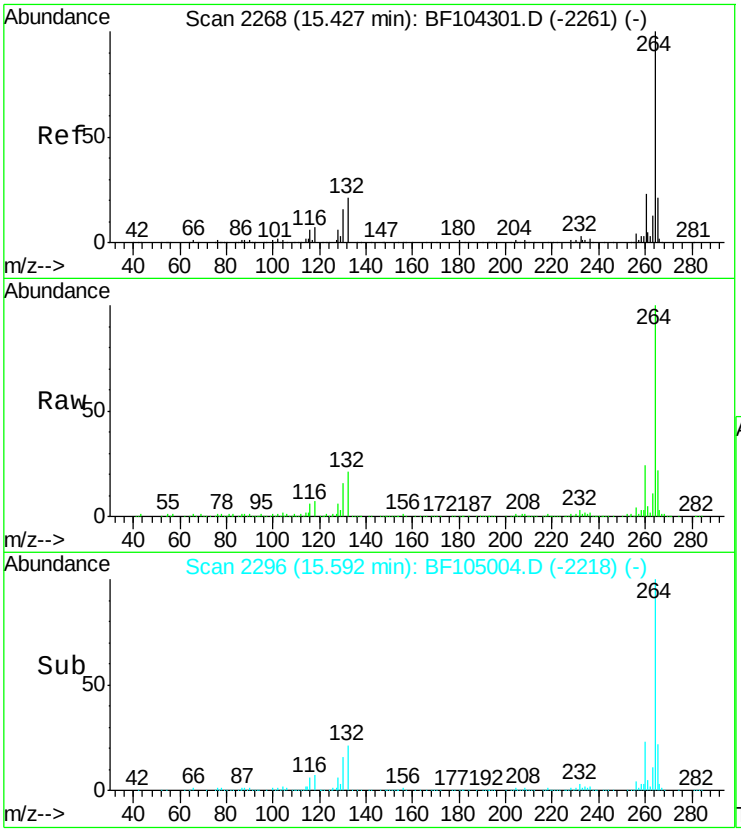


#85
Indeno(1,2,3-cd)pyrene
Concen: 8.427 ng
RT: 17.08 min Scan# 2549
Delta R.T. 0.19 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Tgt Ion:276 Resp: 120191

Ion	Ratio	Lower	Upper
276	100		
138	25.8	25.0	37.6
277	23.4	20.1	30.1



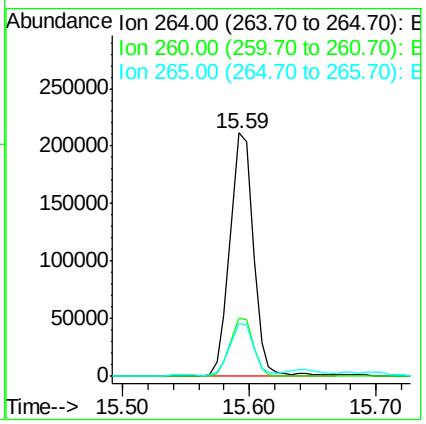


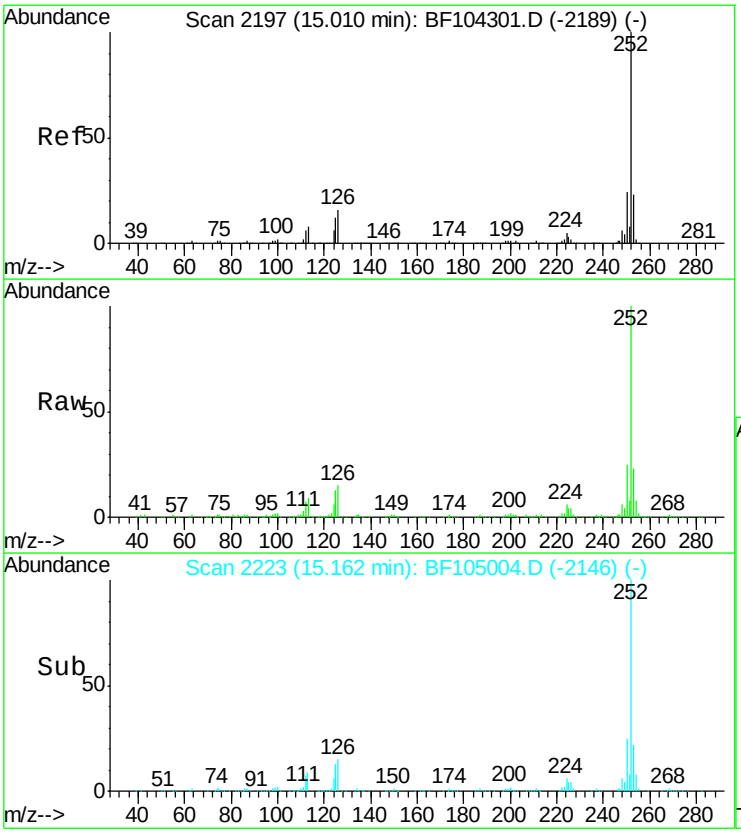
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2296
Delta R.T. 0.16 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Instrument :
BNA_F
ClientSampleId :
T-14_1.0-1.5

Tgt Ion:264 Resp: 269254

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.8	17.5	26.3

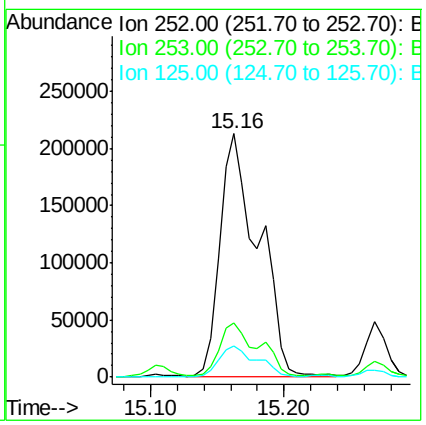


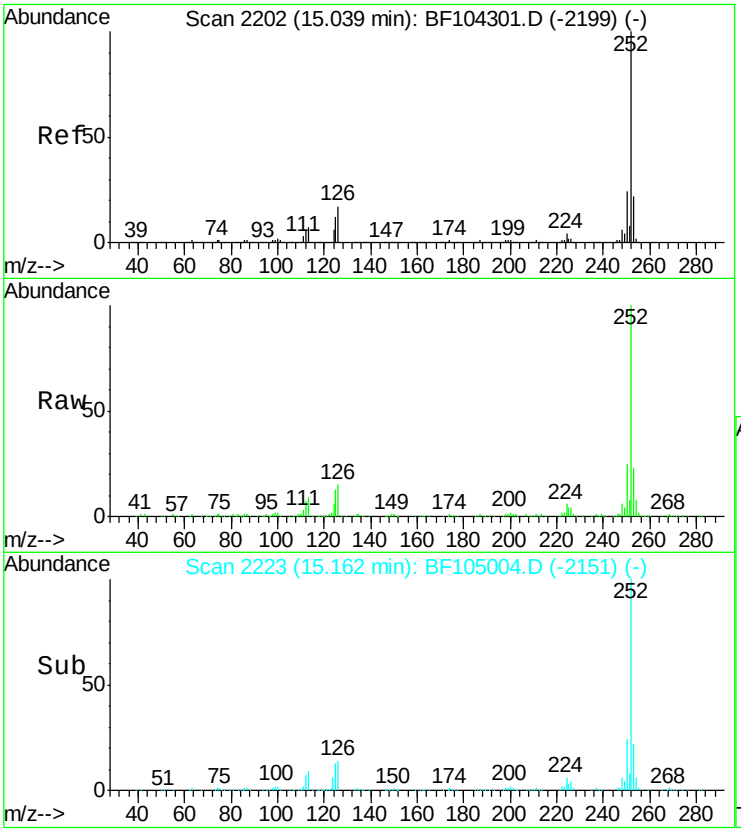


#87
Benzo(b)fluoranthene
Concen: 24.852 ng
RT: 15.16 min Scan# 2223
Delta R.T. 0.15 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Tgt Ion:252 Resp: 422620

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	12.7	9.0	13.6



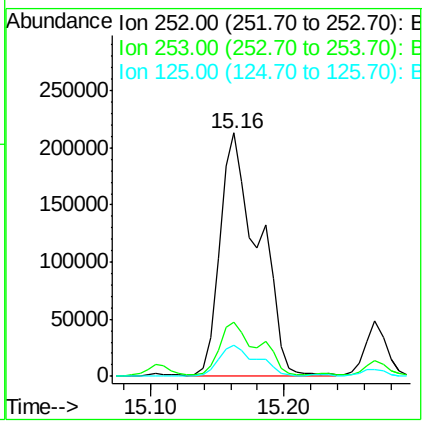


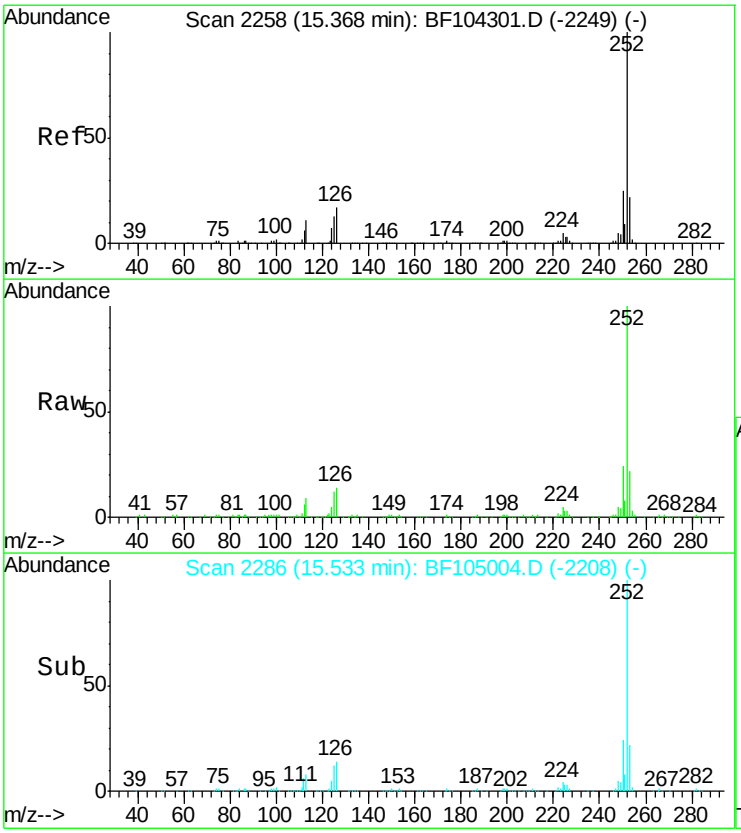
#88
Benzo(k)fluoranthene
Concen: 26.324 ng
RT: 15.16 min Scan# 2223
Delta R.T. 0.12 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Instrument :
BNA_F
ClientSampleId :
T-14_1.0-1.5

Tgt Ion:252 Resp: 422620

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	12.7	10.2	15.2

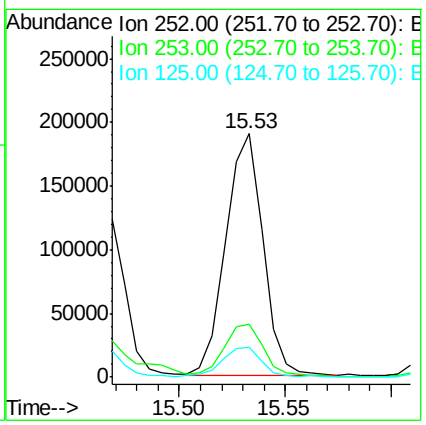


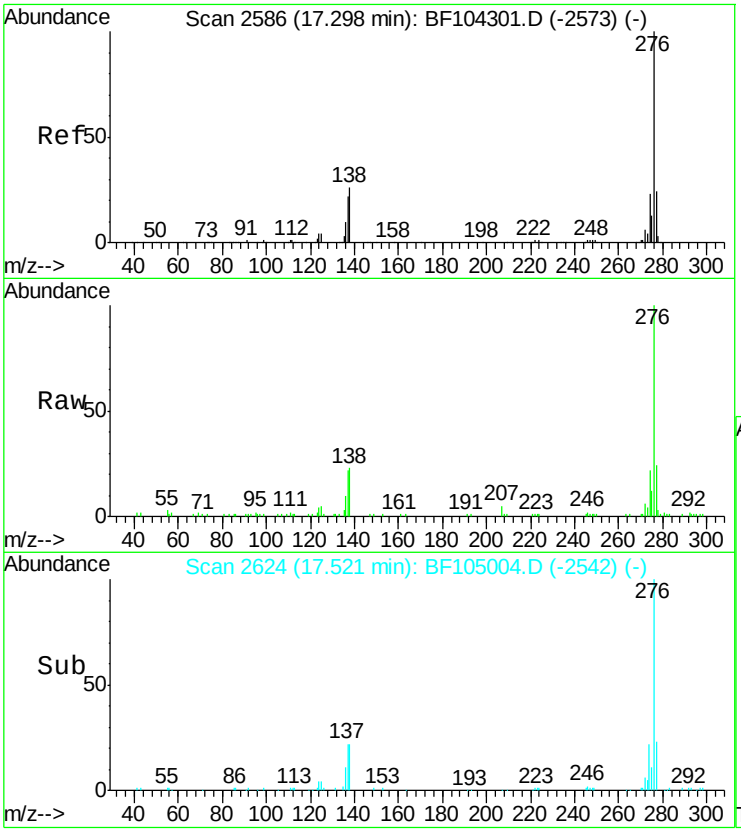


#89
Benzo(a)pyrene
Concen: 15.281 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.16 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Tgt Ion:252 Resp: 232514

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	12.1	9.8	14.6





#91
Benzo(g,h,i)perylene
Concen: 8.763 ng
RT: 17.52 min Scan# 2624
Delta R.T. 0.18 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Instrument :
BNA_F
ClientSampleId :
T-14_1.0-1.5

Tgt Ion:276 Resp: 106099

Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	23.0	21.8	32.8