Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
Data File : BF104867.D
Acq On : 27 Apr 2018 7:24
Operator : JU/SJ
Sample : J2520-13 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Apr 27 11:10:21 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 25 14:01:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	101177	20.00	ng		0.00
21) Naphthalene-d8	8.08	136	394464	20.00	ng		0.00
38) Acenaphthene-d10	9.84	164	149527	20.00	ng		0.00
63) Phenanthrene-d10	11.33	188	229378	20.00	ng		0.00
75) Chrysene-d12	13.98	240	217498	20.00	ng		0.00
86) Perylene-d12	15.44	264	158103	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	190521	28.79	ng		0.00
7) Phenol-d6	6.43	99	227692	28.01	ng		-0.01
23) Nitrobenzene-d5	7.36	82	125627	20.80	ng		-0.01
41) 2,4,6-Tribromophenol	10.63	330	36655	23.63	ng		0.00
44) 2-Fluorobiphenyl	9.16	172	210693	22.26	ng		0.00
78) Terphenyl-d14	12.91	244	162778	17.06	ng		-0.01
Target Compounds							Qvalue
9) Benzaldehyde	6.57	77	3930	Below Cal			91
19) n-Nitroso-di-n-propylamine	7.36	70	15569	2.931	ng	#	74
25) Isophorone	7.36	82	125644	9.836	ng	#	64
50) 2,6-Dinitrotoluene	9.84	165	19742	9.048	ng	#	26
55) 4-Nitrophenol	10.05	139	4031	2.009	ng	#	9
56) 2,4-Dinitrotoluene	9.84	165	19742	6.898	ng	#	24
70) Phenanthrene	11.35	178	185179	14.497	ng		98
71) Anthracene	11.40	178	44980	3.464	ng		98
74) Fluoranthene	12.54	202	253634	19.004	ng		97
76) Benzidine	12.91	184	2124	Below Cal		#	87
77) Pyrene	12.77	202	231984	14.390	ng		99
80) Benzo(a)anthracene	13.97	228	117146	9.016	ng		99
82) Chrysene	14.00	228	97486	7.304	ng		96
85) Indeno(1,2,3-cd)pyrene	16.91	276	29445	2.597	ng		92
87) Benzo(b)fluoranthene	15.02	252	124734	12.491	ng		97
88) Benzo(k)fluoranthene	15.02	252	124734	13.231	ng		99
89) Benzo(a)pyrene	15.38	252	64729	7.245	ng	#	95
91) Benzo(g,h,i)perylene	17.35	276	27774	3.907	ng		98

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

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QLast Update : Wed Apr 25 14:01:50 2018
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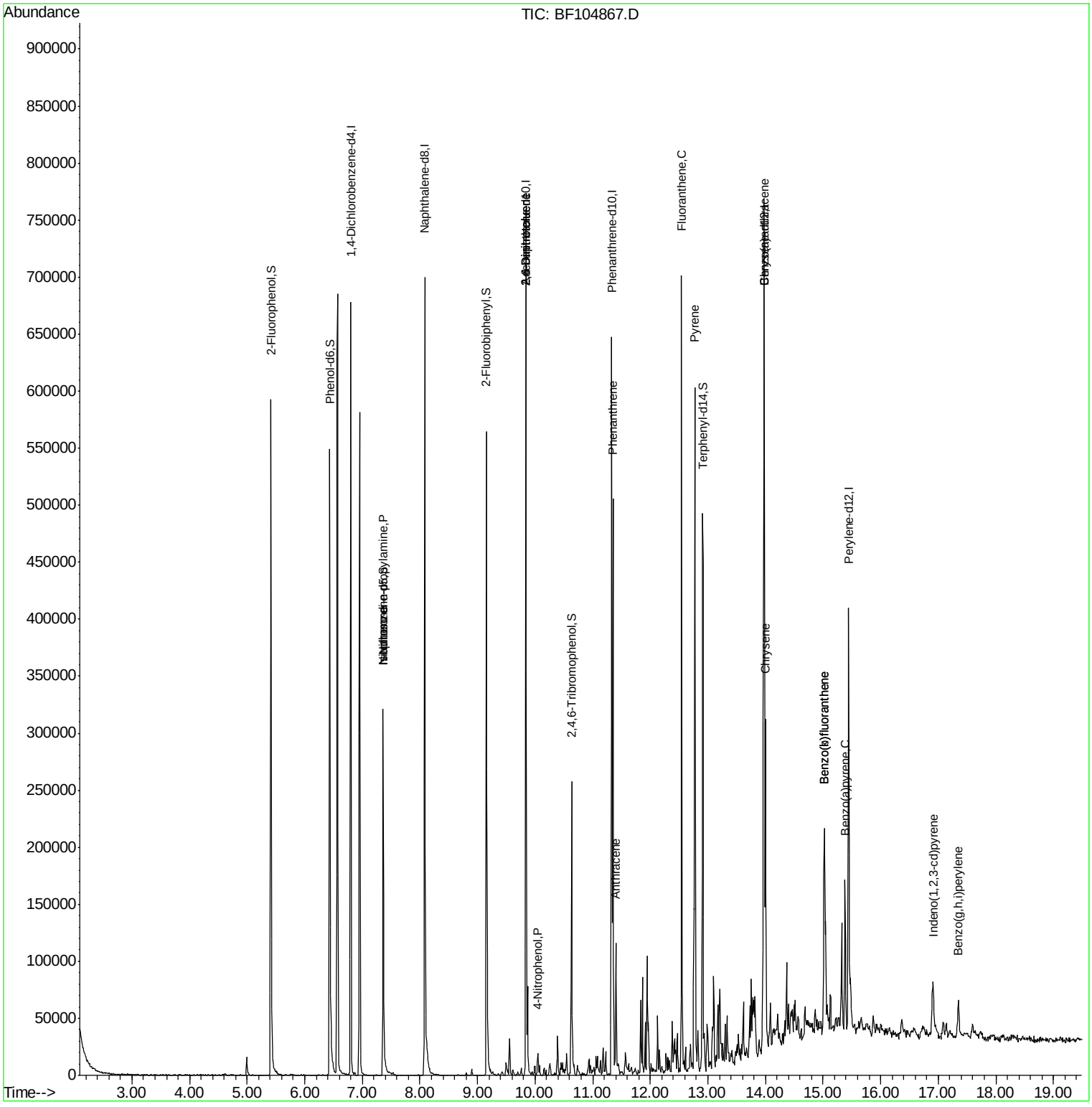
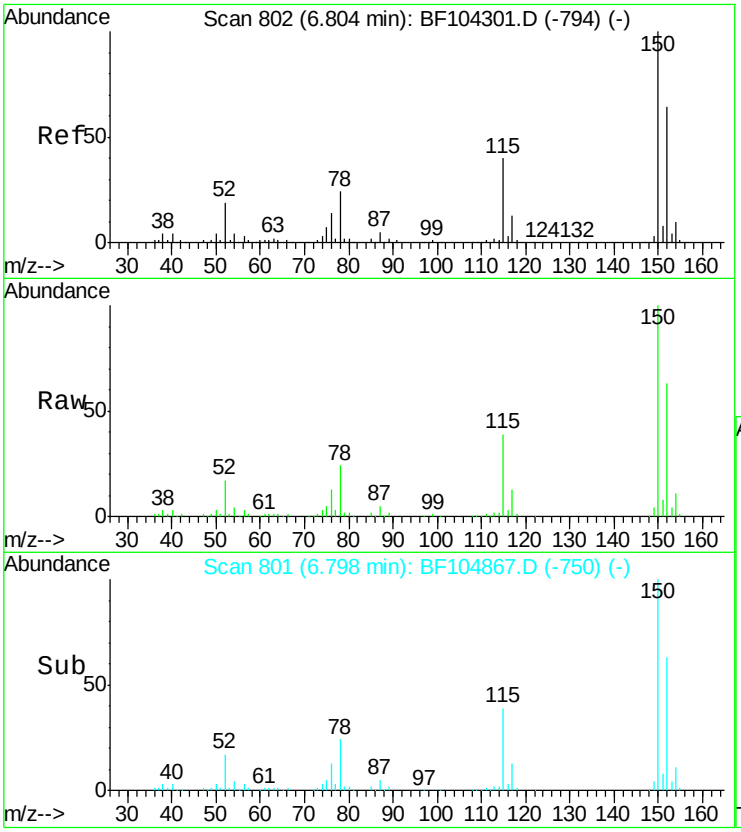


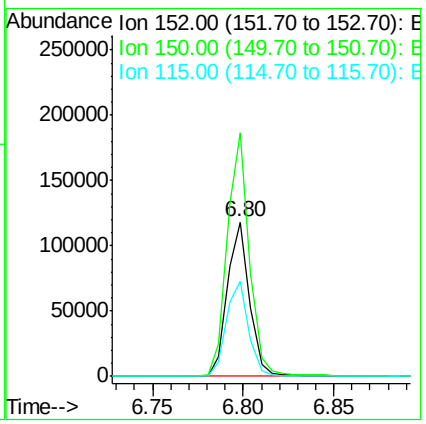


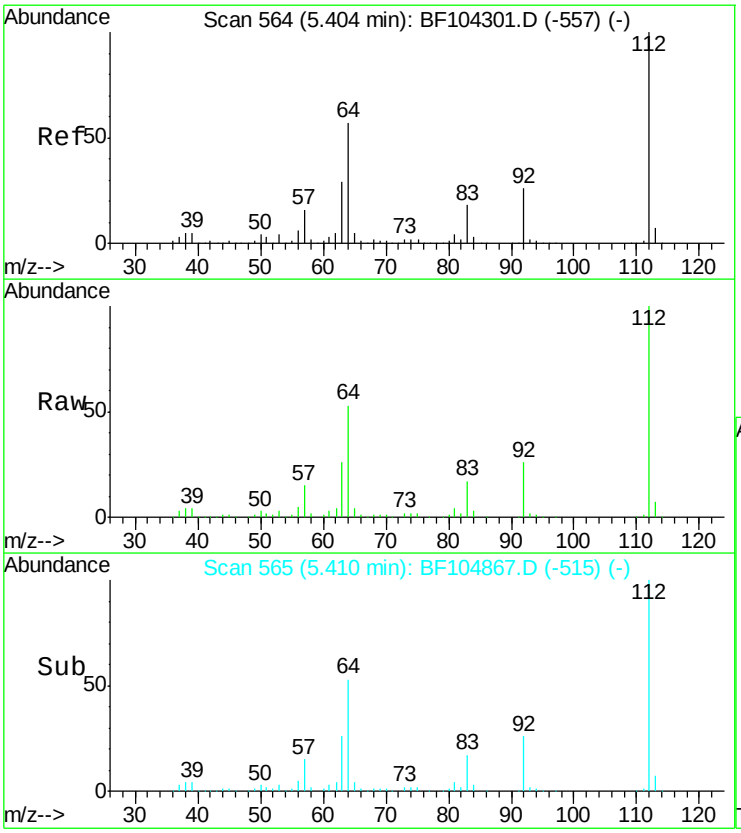
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 101177

Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	61.8	50.1	75.1

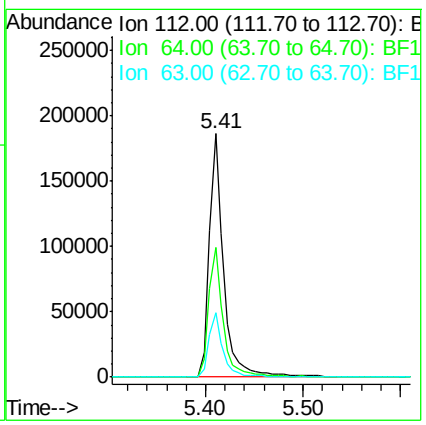


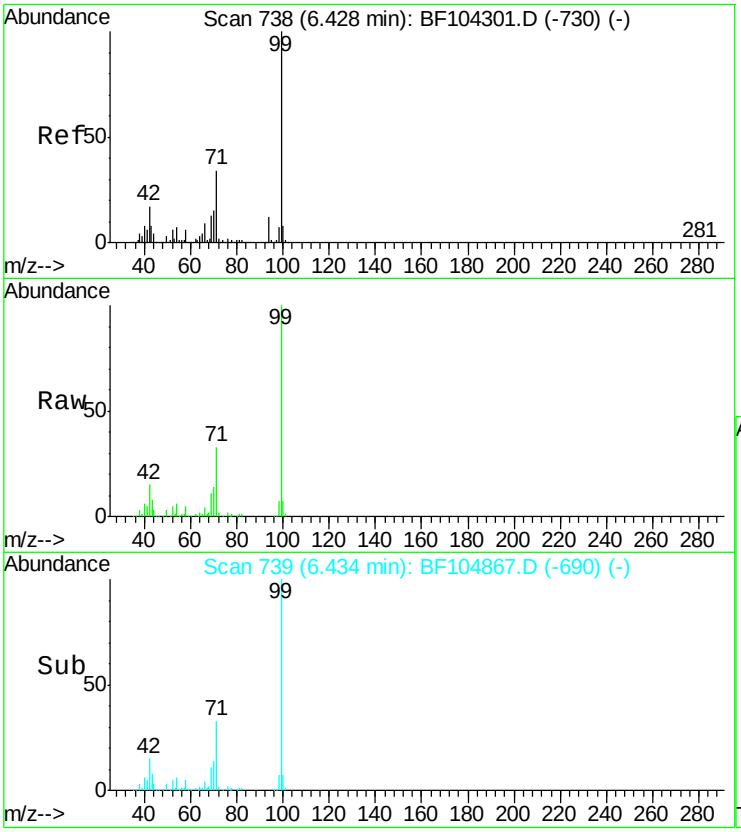


#5
2-Fluorophenol
Concen: 28.793 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Tgt Ion:112 Resp: 190521

Ion	Ratio	Lower	Upper
112	100		
64	53.0	47.9	71.9
63	26.4	23.7	35.5



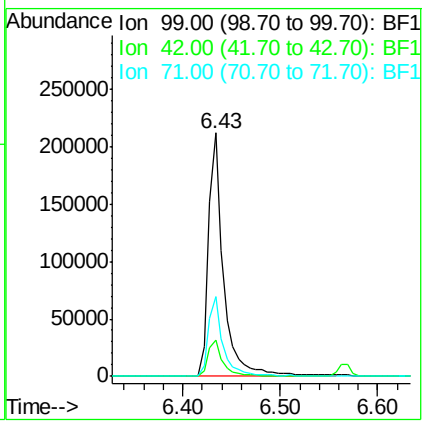


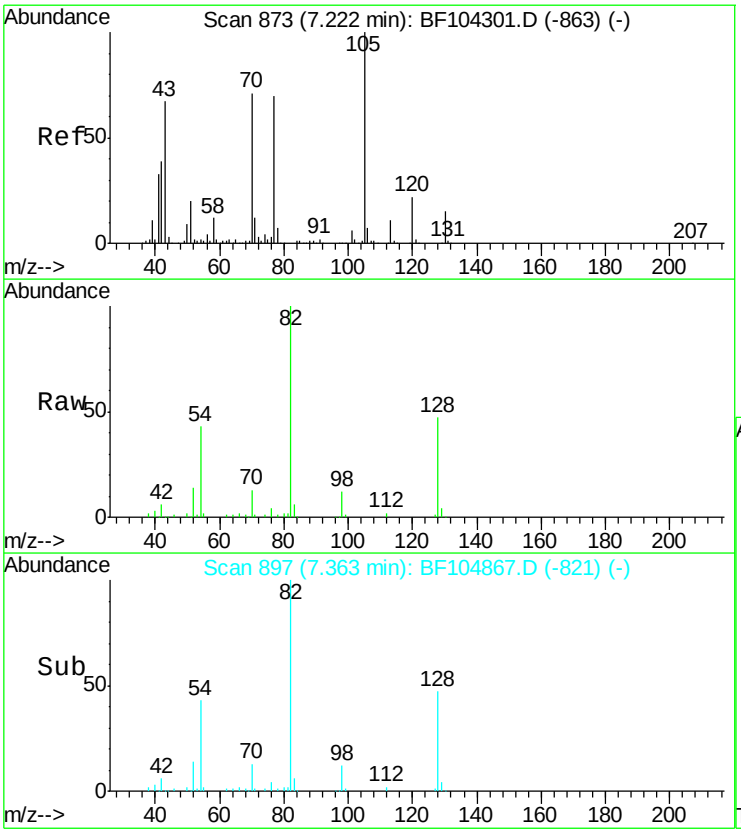
#7
Phenol-d6
Concen: 28.006 ng
RT: 6.43 min Scan# 739
Delta R.T. -0.01 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 227692

Ion	Ratio	Lower	Upper
99	100		
42	14.7	14.5	21.7
71	32.5	25.4	38.0

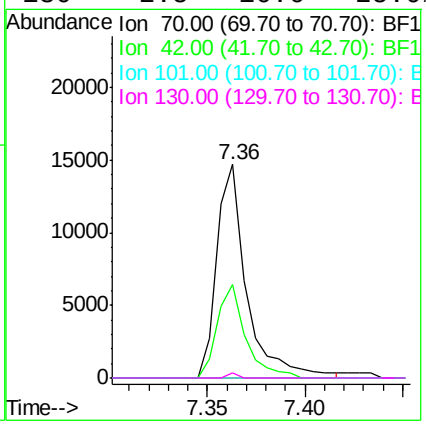


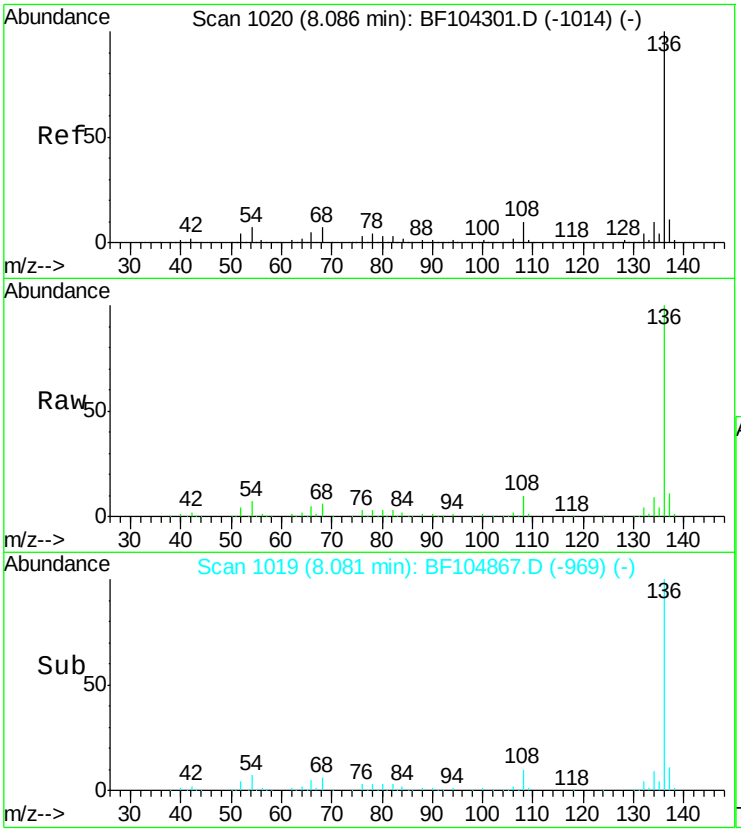


#19
n-Nitroso-di-n-propylamine
Concen: 2.931 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.15 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Tgt Ion: 70 Resp: 15569

Ion	Ratio	Lower	Upper
70	100		
42	43.8	47.5	71.3#
101	0.0	7.4	11.2#
130	2.5	16.6	25.0#



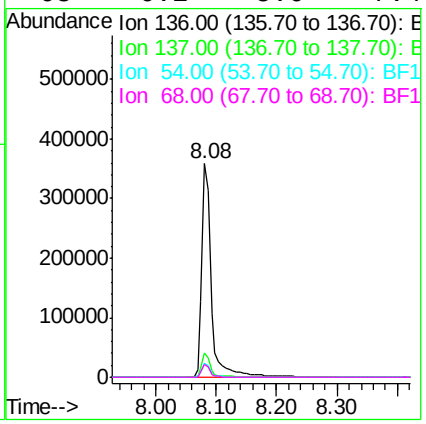


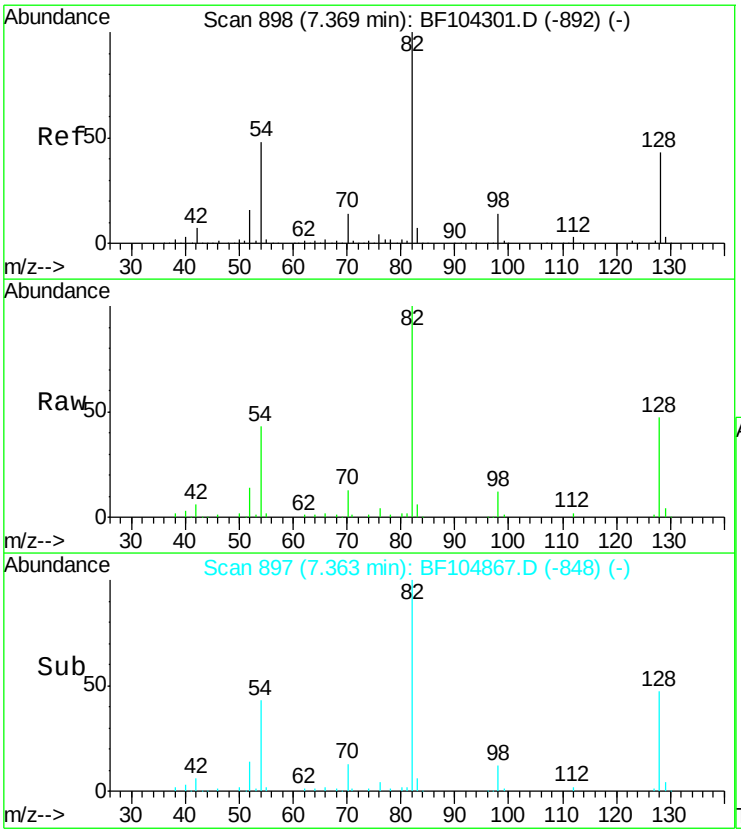
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 394464

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.8	6.6	9.8
68	6.2	5.0	7.4

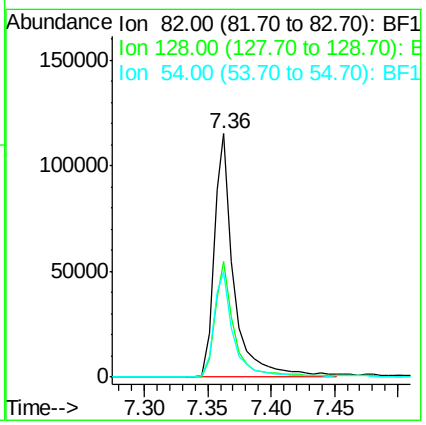


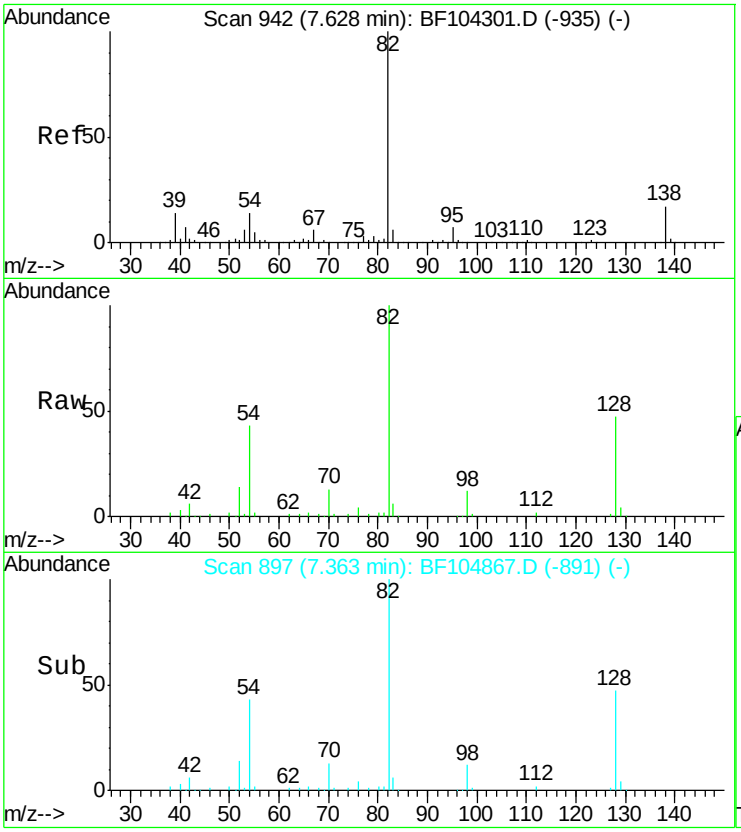


#23
Nitrobenzene-d5
Concen: 20.796 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Tgt Ion: 82 Resp: 125627

Ion	Ratio	Lower	Upper
82	100		
128	47.4	36.1	54.1
54	43.1	41.4	62.2



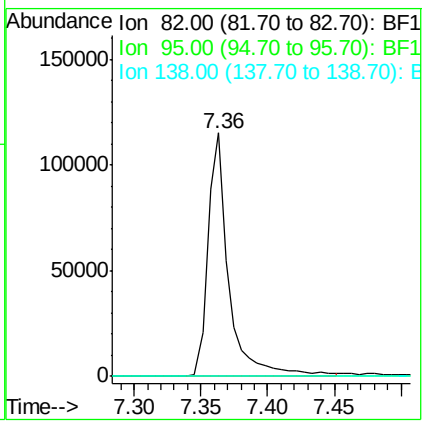


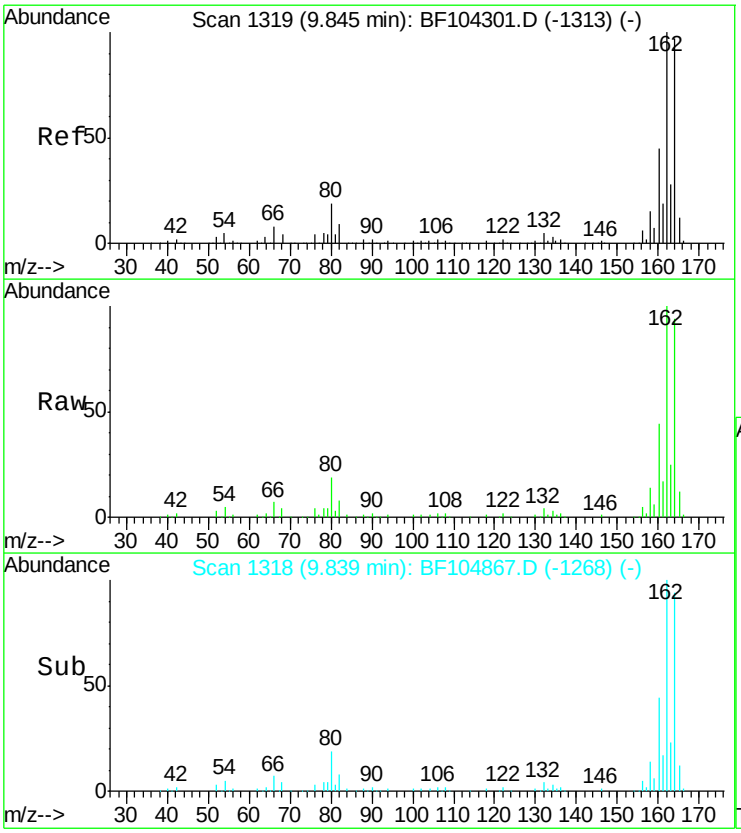
#25
Isophorone
Concen: 9.836 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.26 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 125644

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

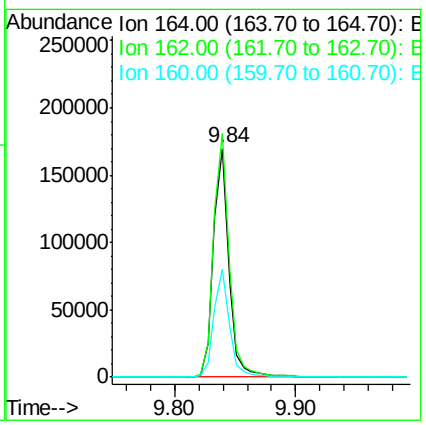


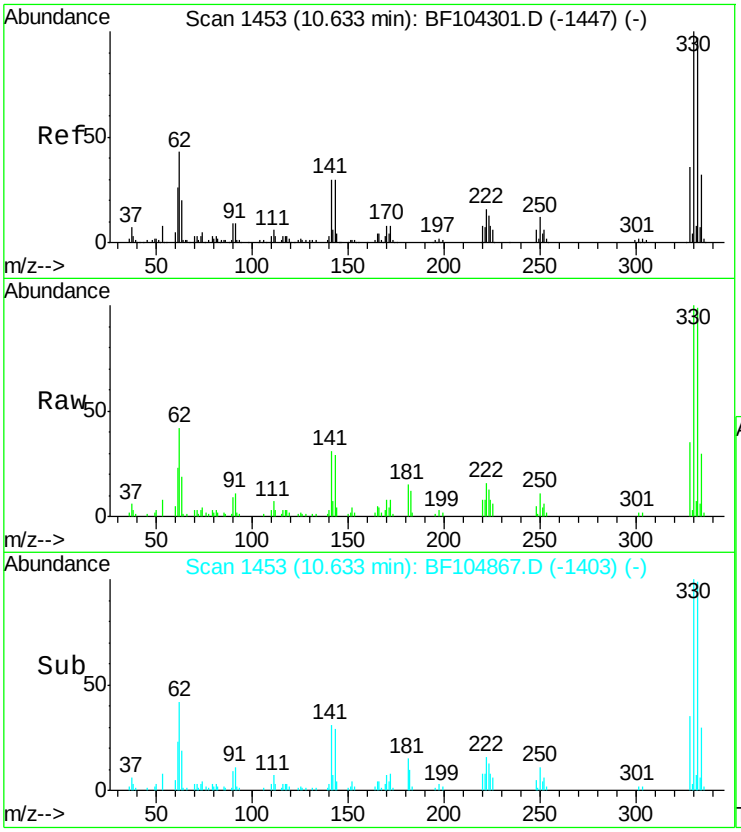


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Tgt Ion:164 Resp: 149527

Ion	Ratio	Lower	Upper
164	100		
162	106.6	86.1	129.1
160	47.1	38.3	57.5



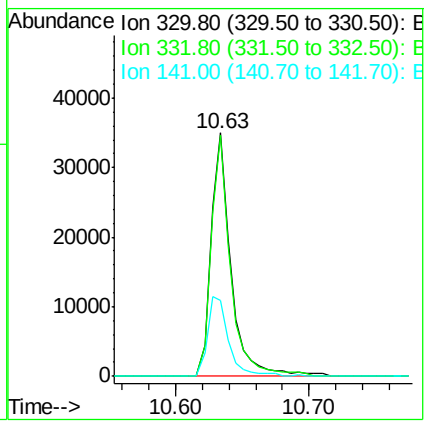


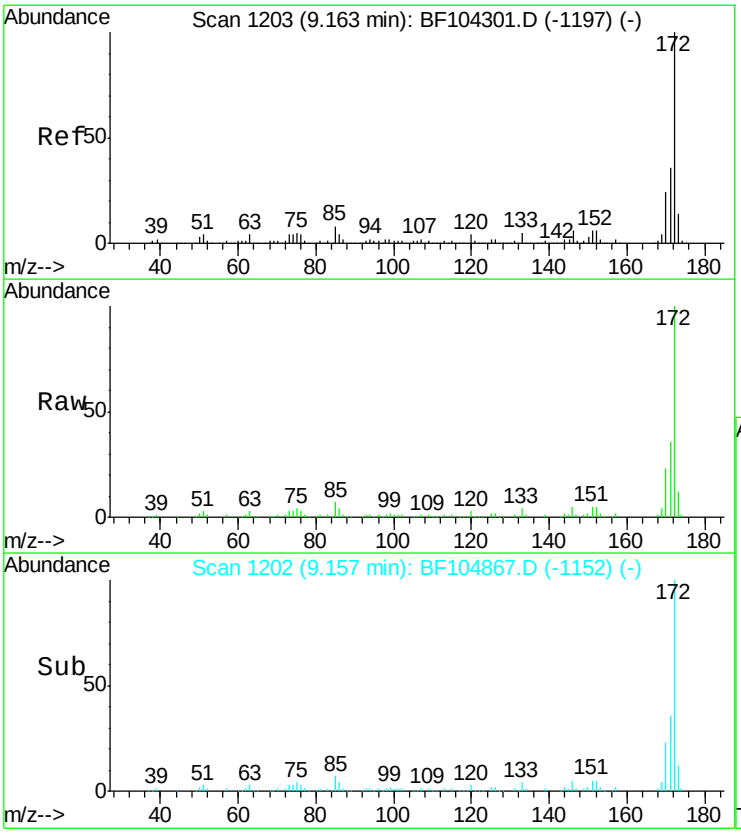
#41
2,4,6-Tribromophenol
Concen: 23.632 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 36655

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	34.8	29.9	44.9

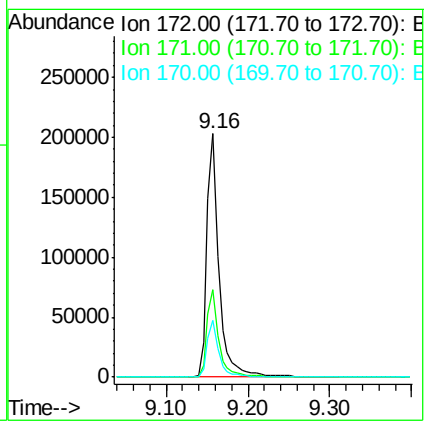


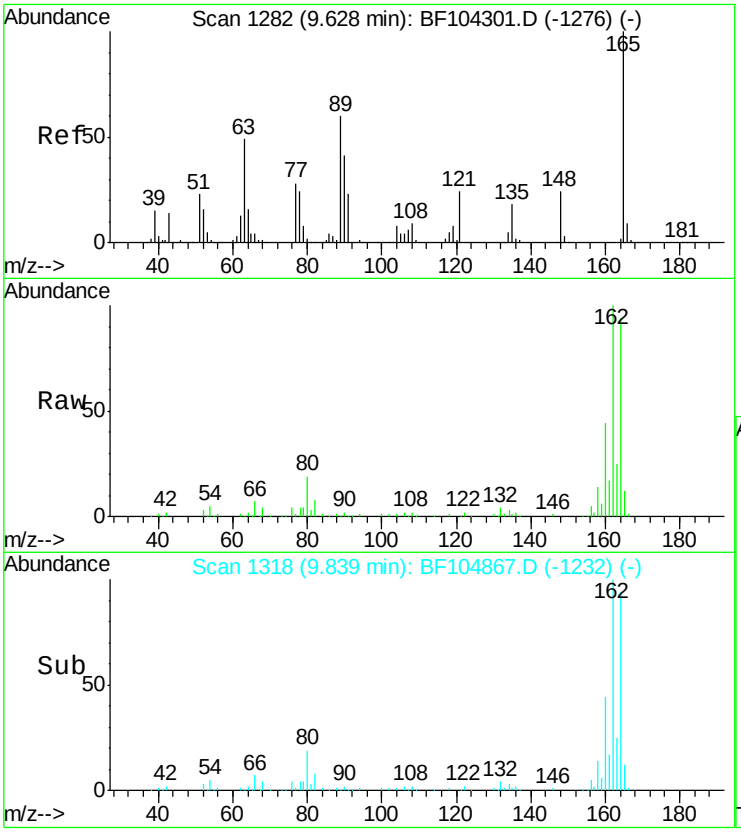


#44
2-Fluorobiphenyl
Concen: 22.260 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Tgt Ion:172 Resp: 210693

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.2	19.6	29.4



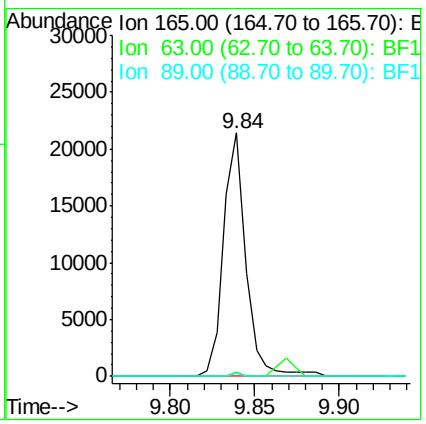


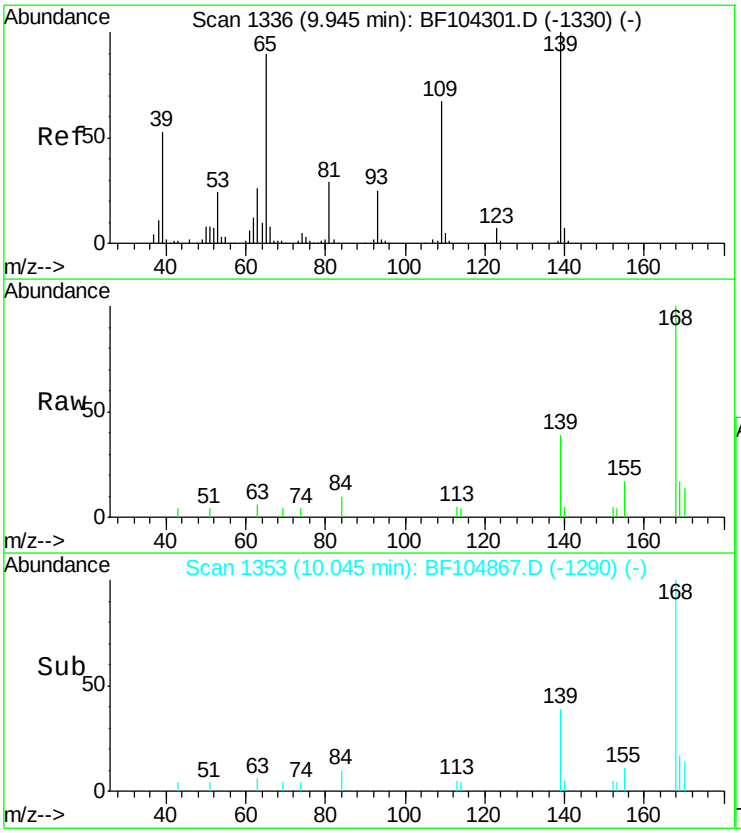
#50
2,6-Dinitrotoluene
Concen: 9.048 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.21 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 19742

Ion	Ratio	Lower	Upper
165	100		
63	1.9	44.7	67.1#
89	1.4	44.0	66.0#

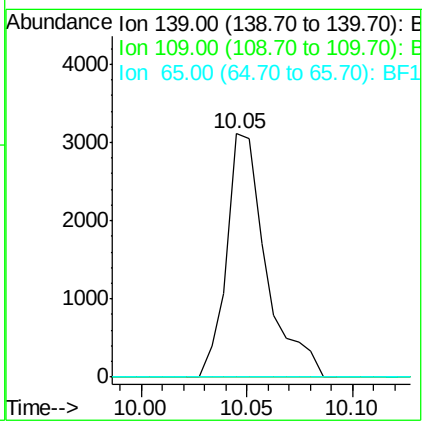


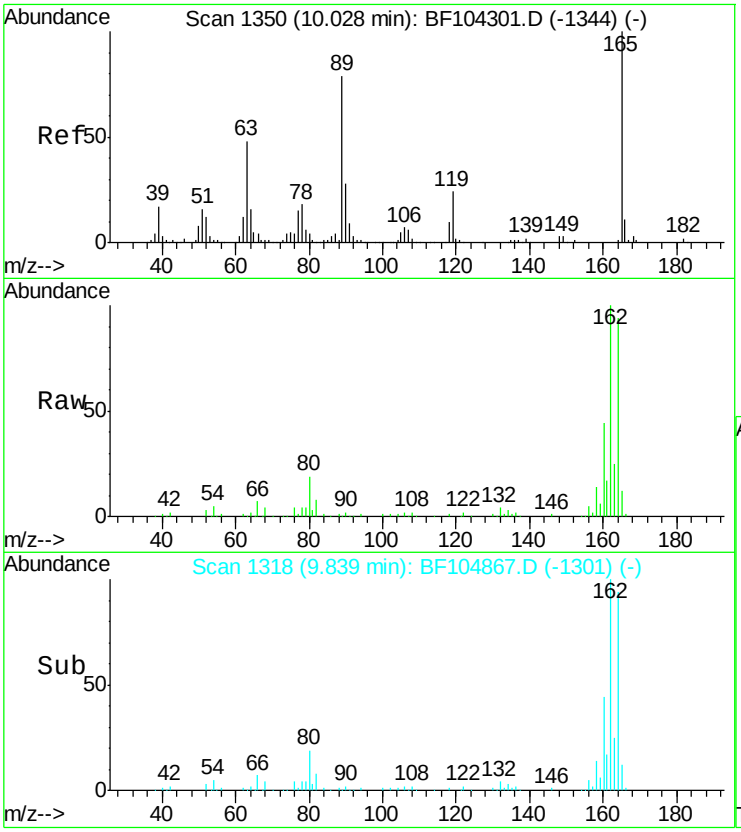


#55
4-Nitrophenol
Concen: 2.009 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.07 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Tgt Ion:139 Resp: 4031

Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#



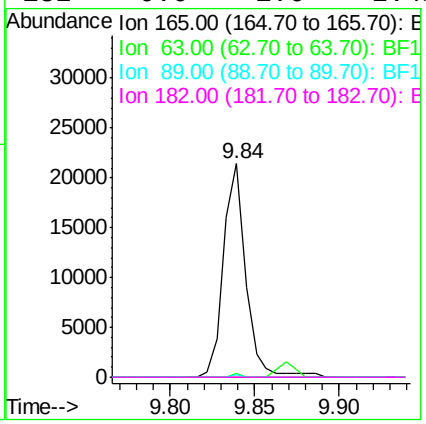


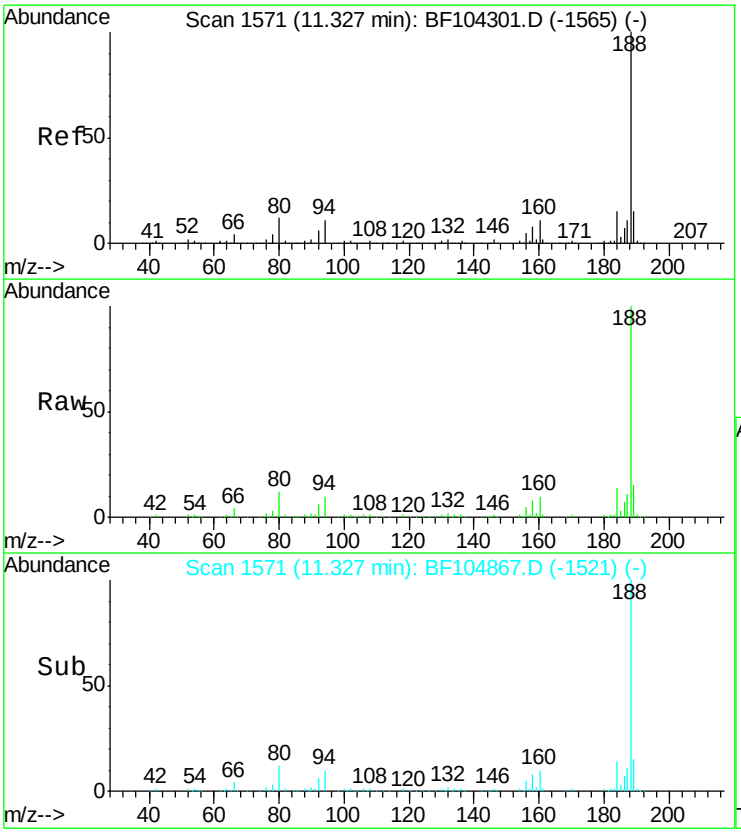
#56
2,4-Dinitrotoluene
Concen: 6.898 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.20 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 19742

Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

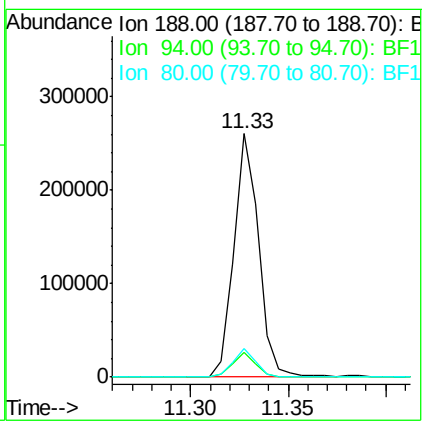


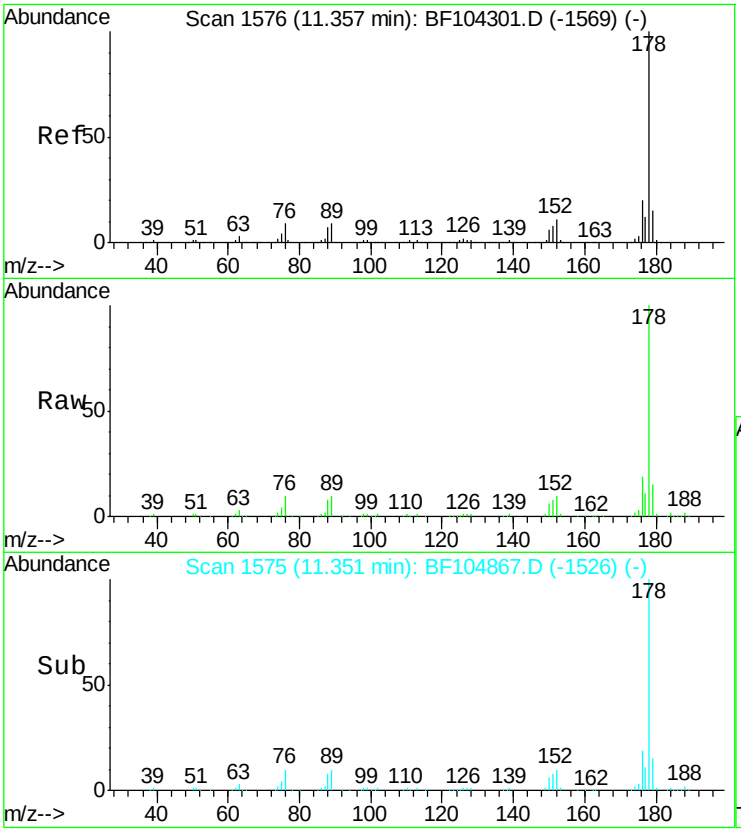


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Tgt Ion:188 Resp: 229378

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.5	12.7
80	11.5	9.2	13.8



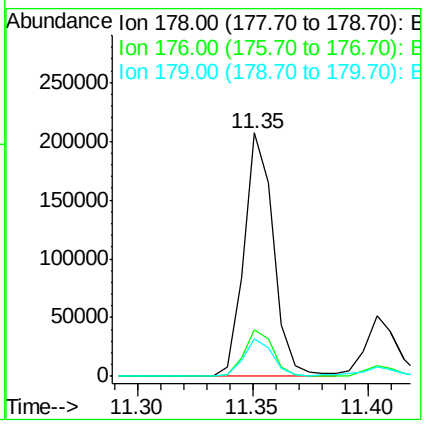


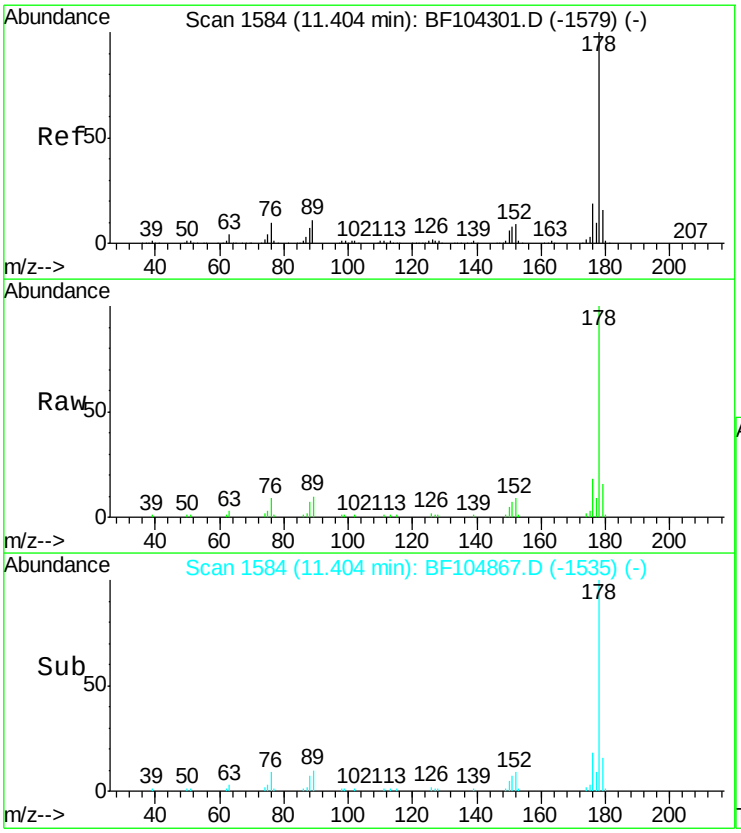
#70
Phenanthrene
Concen: 14.497 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 185179

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.4	13.0	19.6

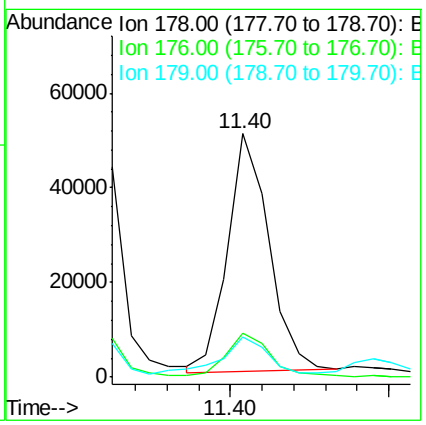


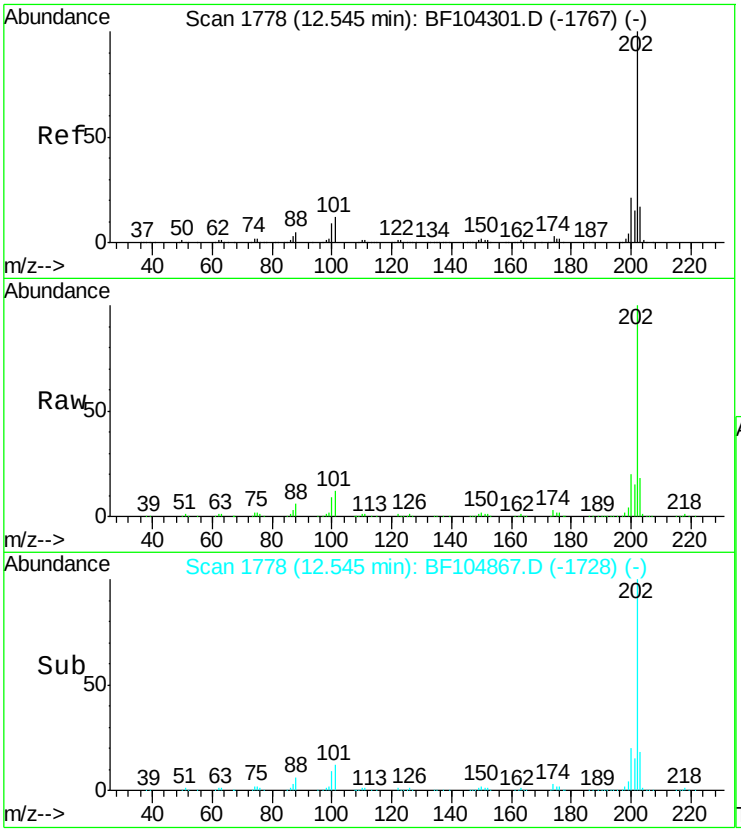


#71
Anthracene
Concen: 3.464 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Tgt Ion:178 Resp: 44980

Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	16.5	12.6	19.0



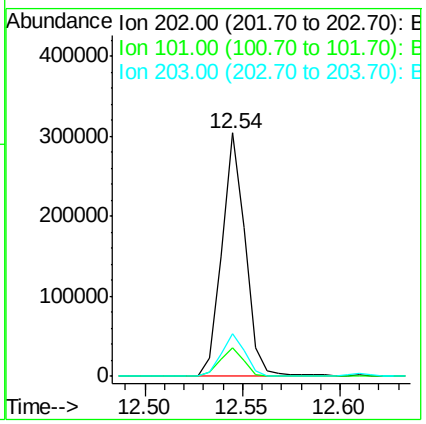


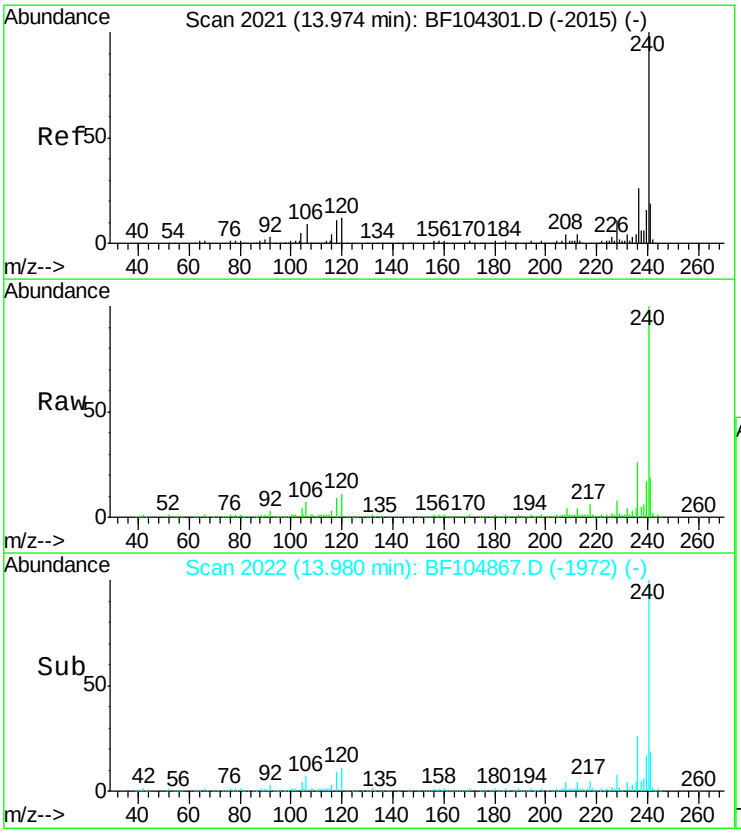
#74
Fluoranthene
Concen: 19.004 ng
RT: 12.54 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 253634

Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.1
203	17.7	0.0	38.1

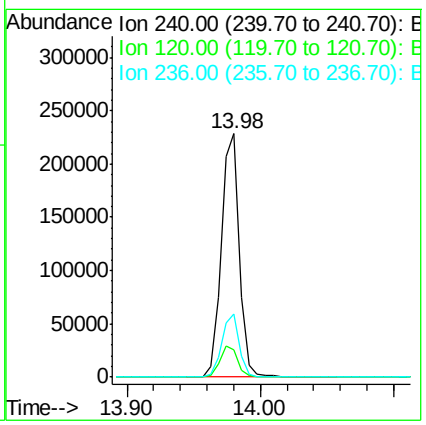


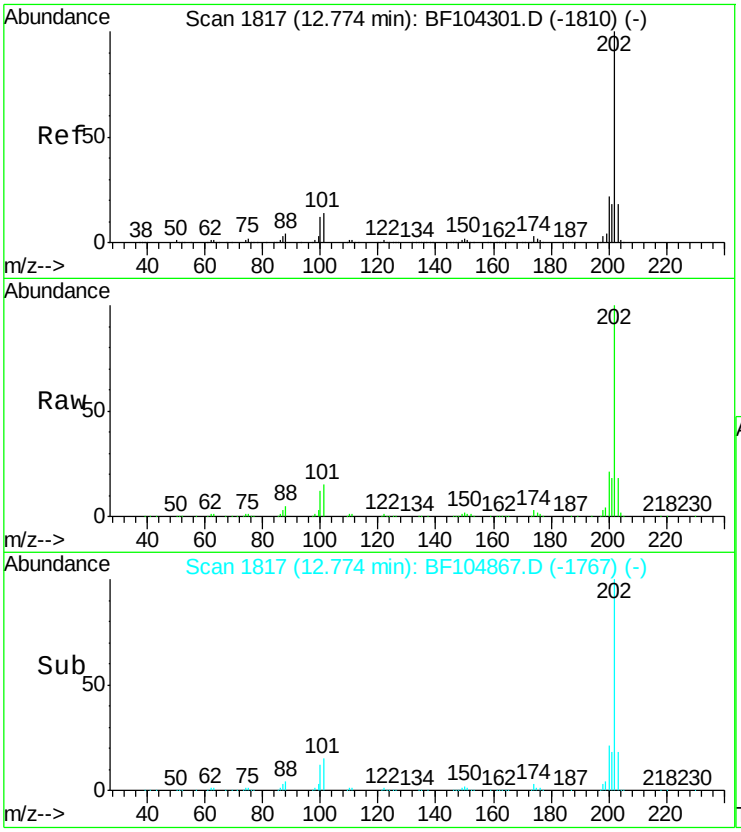


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Tgt Ion:240 Resp: 217498

Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.5	14.3
236	25.9	20.7	31.1



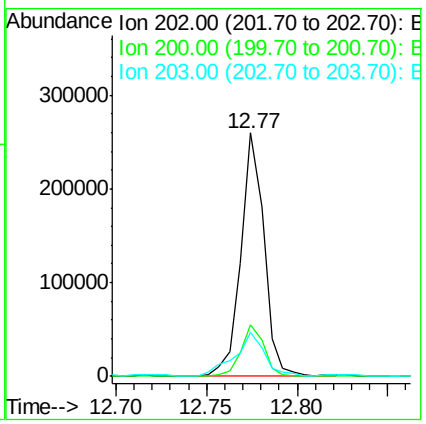


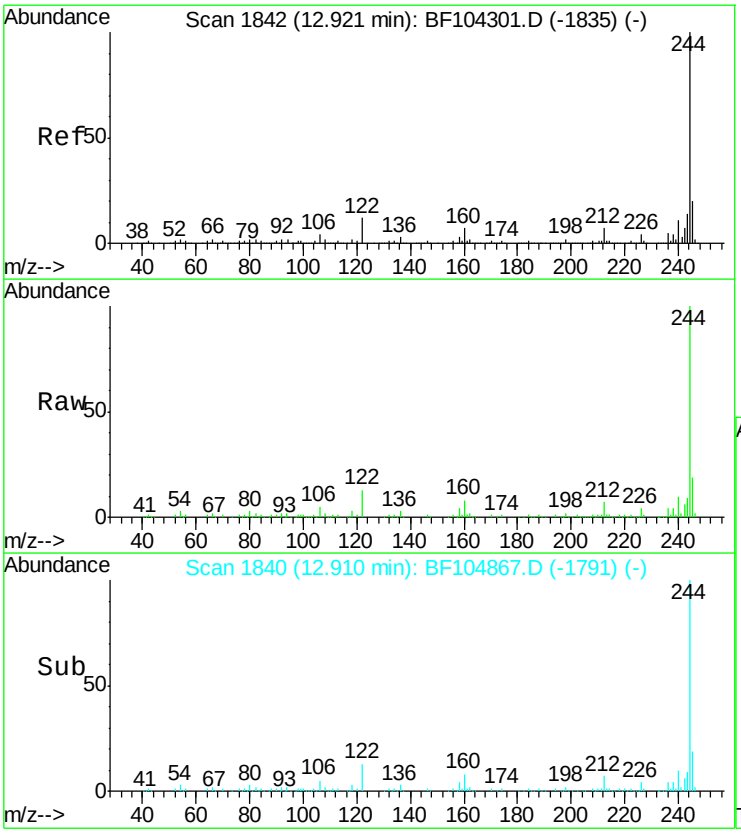
#77
Pyrene
Concen: 14.390 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 231984

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

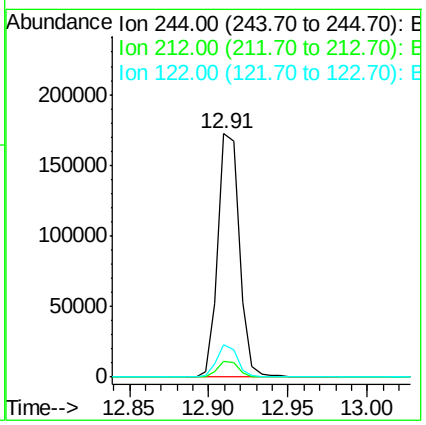


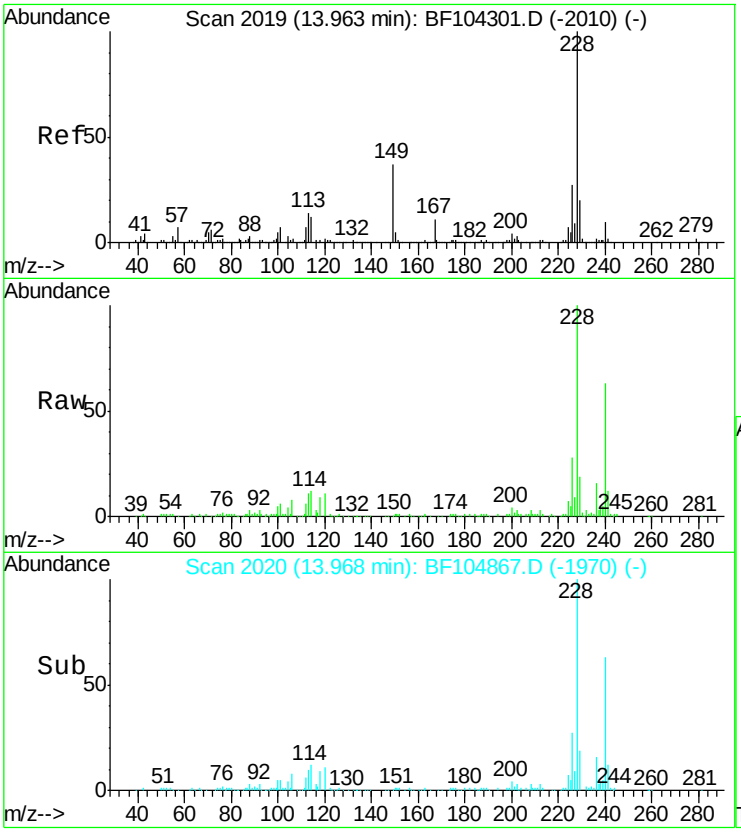


#78
Terphenyl-d14
Concen: 17.063 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Tgt Ion:244 Resp: 162778

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	13.4	11.0	16.4



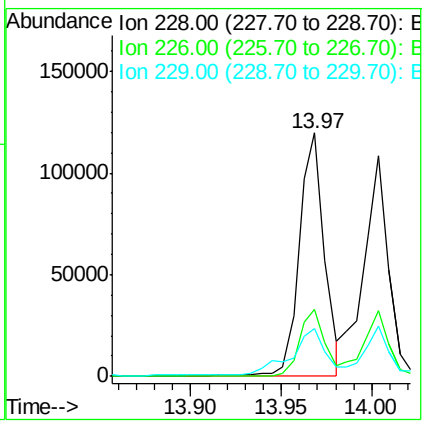


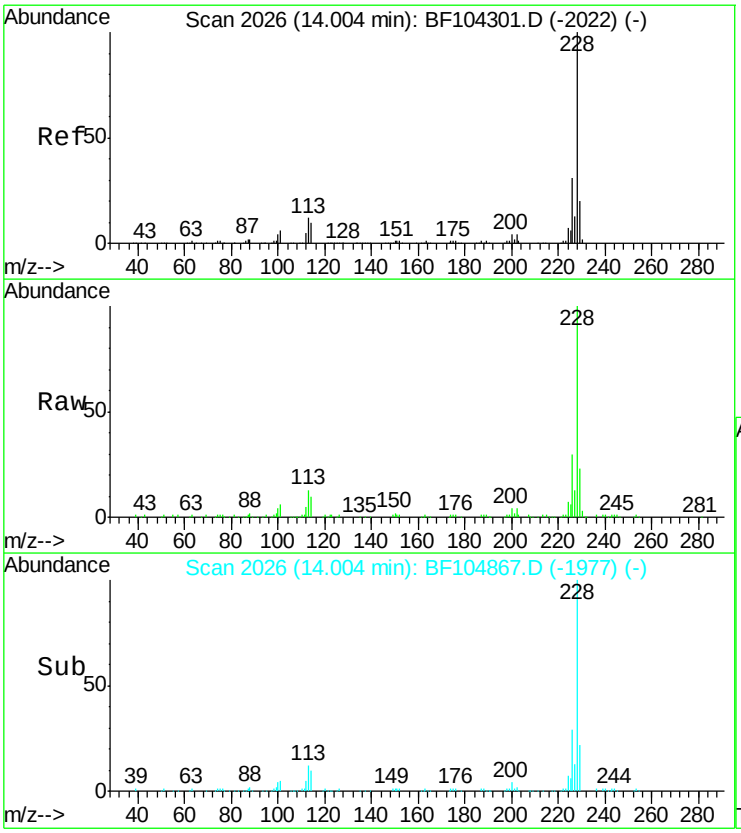
#80
Benzo(a)anthracene
Concen: 9.016 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 117146

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	19.5	15.8	23.6

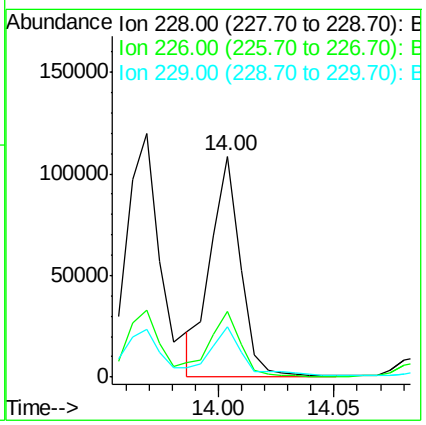


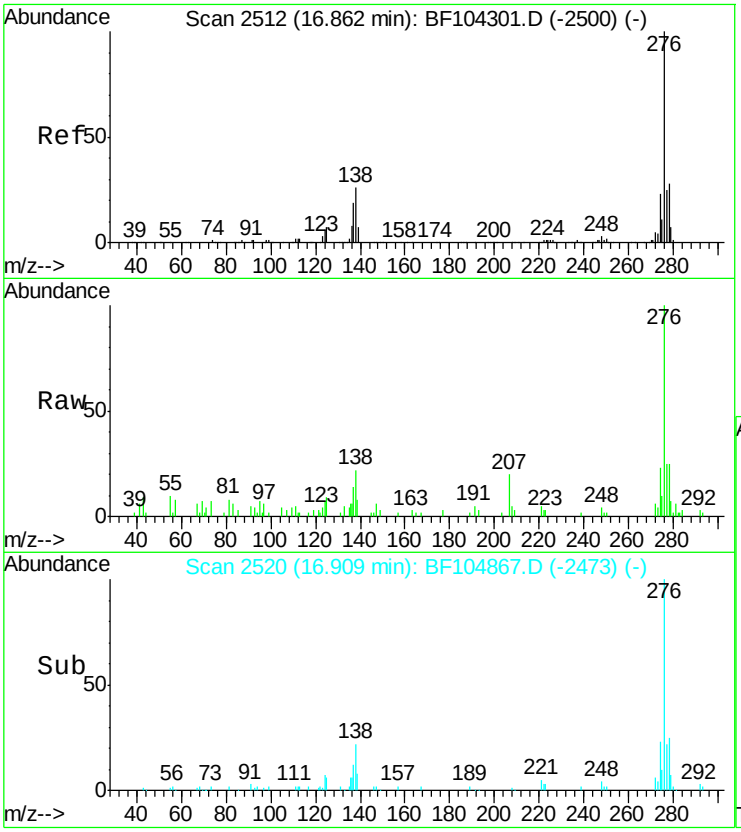


#82
Chrysene
Concen: 7.304 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Tgt Ion:228 Resp: 97486

Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.0	37.6
229	22.6	16.2	24.4



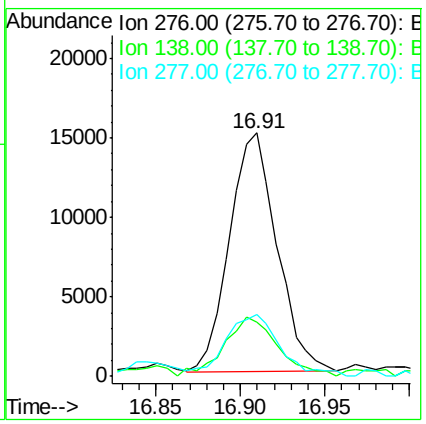


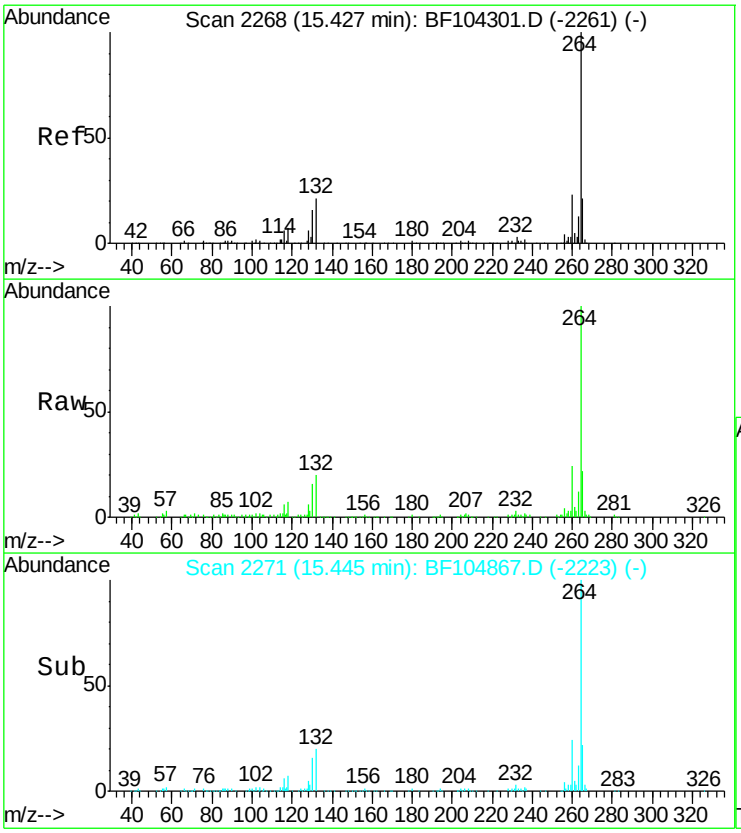
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.597 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.02 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 29445

Ion	Ratio	Lower	Upper
276	100		
138	27.9	25.0	37.6
277	29.7	20.1	30.1

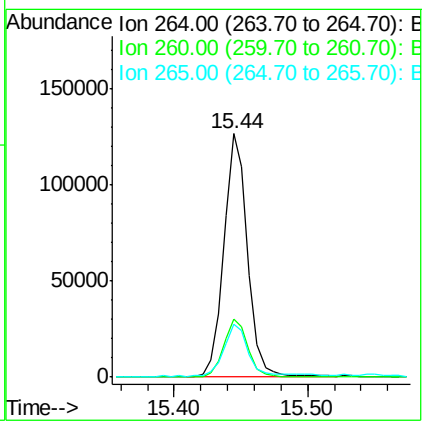


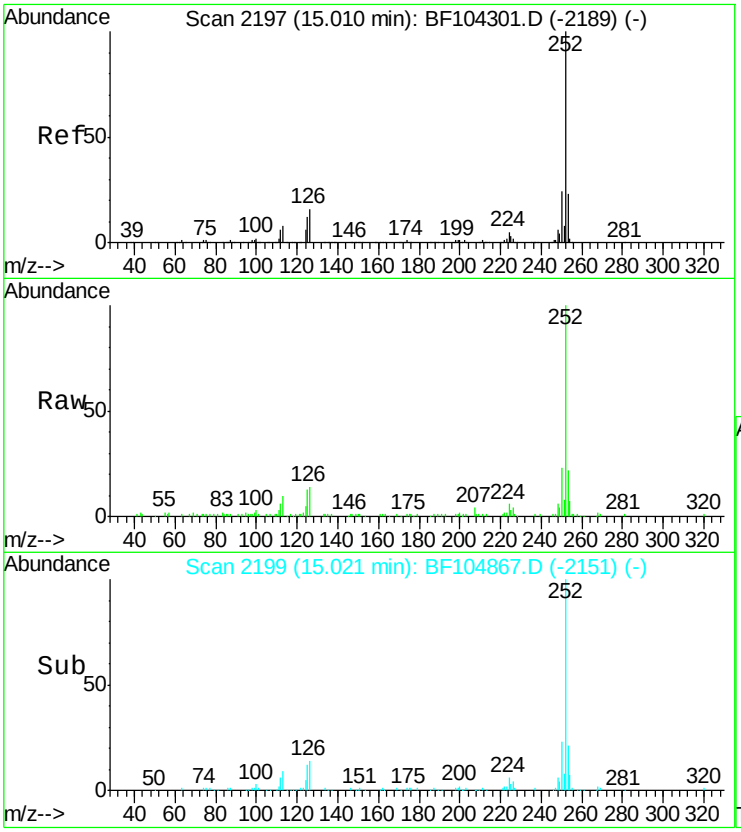


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Tgt Ion:264 Resp: 158103

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.6	17.5	26.3



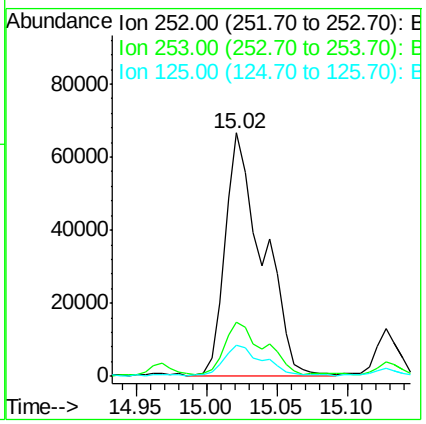


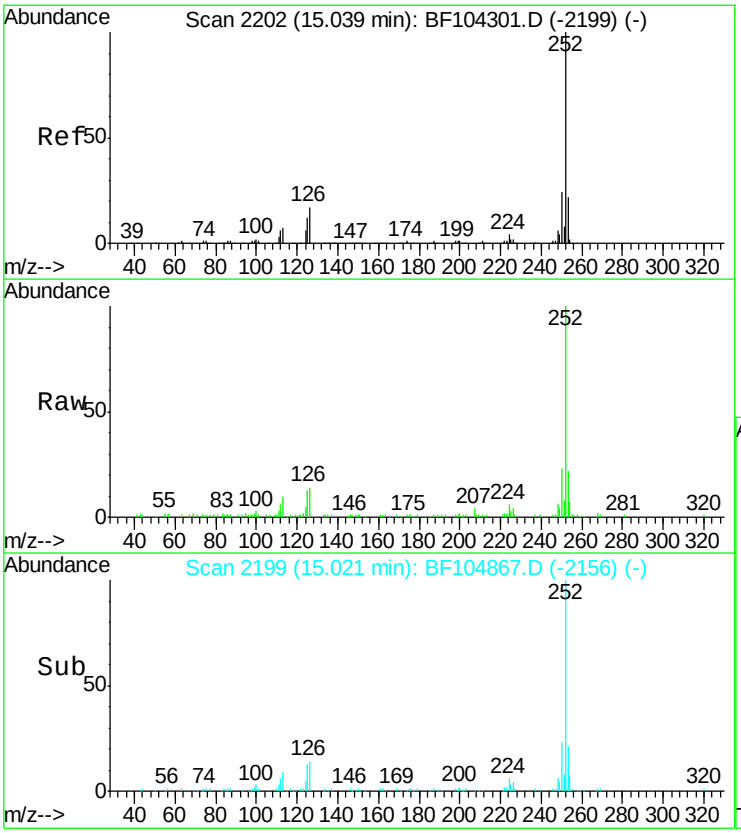
#87
Benzo(b)fluoranthene
Concen: 12.491 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 124734

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	13.0	9.0	13.6

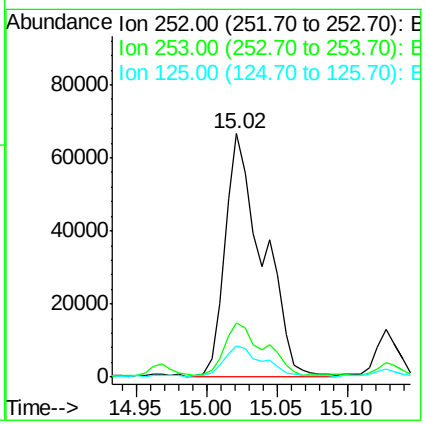


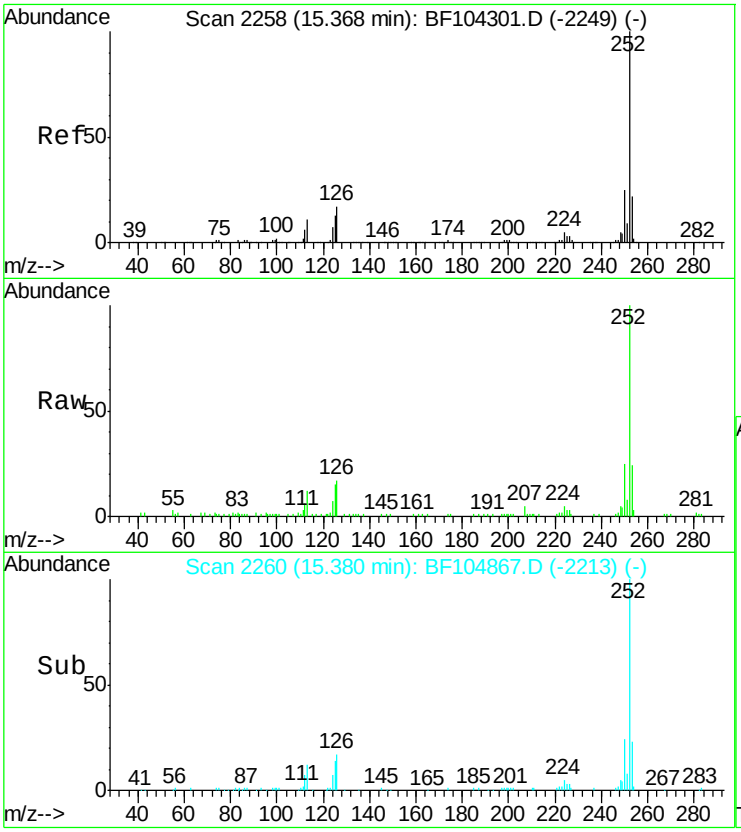


#88
Benzo(k)fluoranthene
Concen: 13.231 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.05 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Tgt Ion:252 Resp: 124734

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	13.0	10.2	15.2



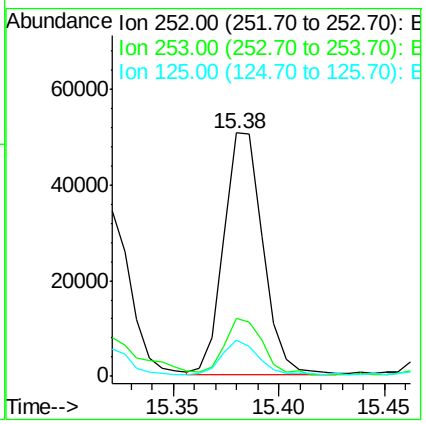


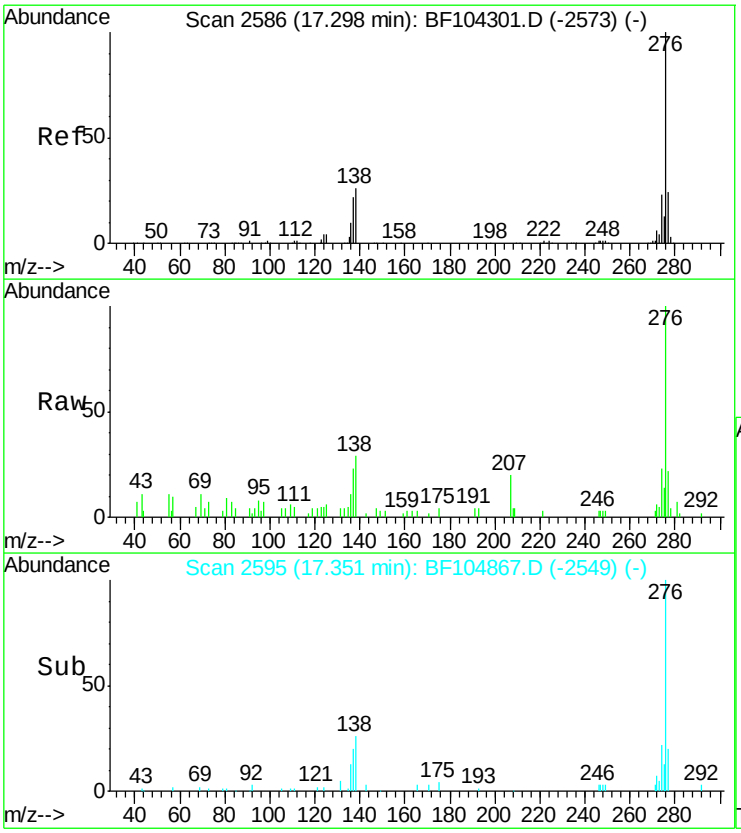
#89
Benzo(a)pyrene
Concen: 7.245 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 64729

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	14.9	9.8	14.6#





#91
Benzo(g,h,i)perylene
Concen: 3.907 ng
RT: 17.35 min Scan# 2595
Delta R.T. -0.03 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Tgt Ion:276 Resp: 27774

Ion	Ratio	Lower	Upper
276	100		
277	22.3	17.9	26.9
138	28.9	21.8	32.8