Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF104989.D
Acq On : 1 May 2018 17:41
Operator : JU/SJ
Sample : J2565-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4_0.0-0.5

Quant Time: May 02 06:50:42 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	120799	20.00	ng		0.00
21) Naphthalene-d8	8.07	136	502561	20.00	ng		0.00
38) Acenaphthene-d10	9.83	164	225559	20.00	ng		0.00
63) Phenanthrene-d10	11.32	188	373665	20.00	ng		0.00
75) Chrysene-d12	14.03	240	237314	20.00	ng		0.05
86) Perylene-d12	15.59	264	226331	20.00	ng		0.15
System Monitoring Compounds							
5) 2-Fluorophenol	5.40	112	634554	80.32	ng		0.00
7) Phenol-d6	6.43	99	800314	82.45	ng		0.00
23) Nitrobenzene-d5	7.36	82	493890	64.17	ng		0.00
41) 2,4,6-Tribromophenol	10.63	330	198590	84.88	ng		0.00
44) 2-Fluorobiphenyl	9.15	172	884786	61.97	ng		0.00
78) Terphenyl-d14	12.92	244	681349	65.46	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	63458	10.004	ng	#	72
25) Isophorone	7.36	82	493886	30.346	ng	#	64
49) Dimethylphthalate	9.55	163	122745	6.901	ng		99
51) Acenaphthene	9.86	154	35722	2.493	ng		99
56) 2,4-Dinitrotoluene	9.83	165	31255	7.240	ng	#	23
57) Fluorene	10.38	166	38815	2.671	ng		99
64) 4,6-Dinitro-2-methylphenol	10.62	198	328	7.500	ng	#	1
66) 4-Bromophenyl-phenylether	10.63	248	12096	3.043	ng	#	1
70) Phenanthrene	11.35	178	618745	29.734	ng		99
71) Anthracene	11.40	178	144849	6.848	ng		98
72) Carbazole	11.56	167	65977	3.192	ng		98
74) Fluoranthene	12.54	202	843005	38.774	ng		98
76) Benzidine	12.92	184	8858	Below Cal		#	95
77) Pyrene	12.77	202	730600	41.534	ng		100
80) Benzo(a)anthracene	14.02	228	385628	27.200	ng		98
82) Chrysene	14.05	228	341498	23.451	ng		97
85) Indeno(1,2,3-cd)pyrene	16.90	276	35073	2.835	ng	#	81
87) Benzo(b)fluoranthene	15.15	252	609103	42.610	ng		96
88) Benzo(k)fluoranthene	15.15	252	609103	45.134	ng		99
89) Benzo(a)pyrene	15.52	252	308334	24.107	ng		95
90) Dibenzo(a,h)anthracene	17.24	278	42270	4.024	ng		94
91) Benzo(g,h,i)perylene	17.52	276	172462	16.946	ng	#	92

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

Quantitation Report (Not Reviewed)

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Misc :
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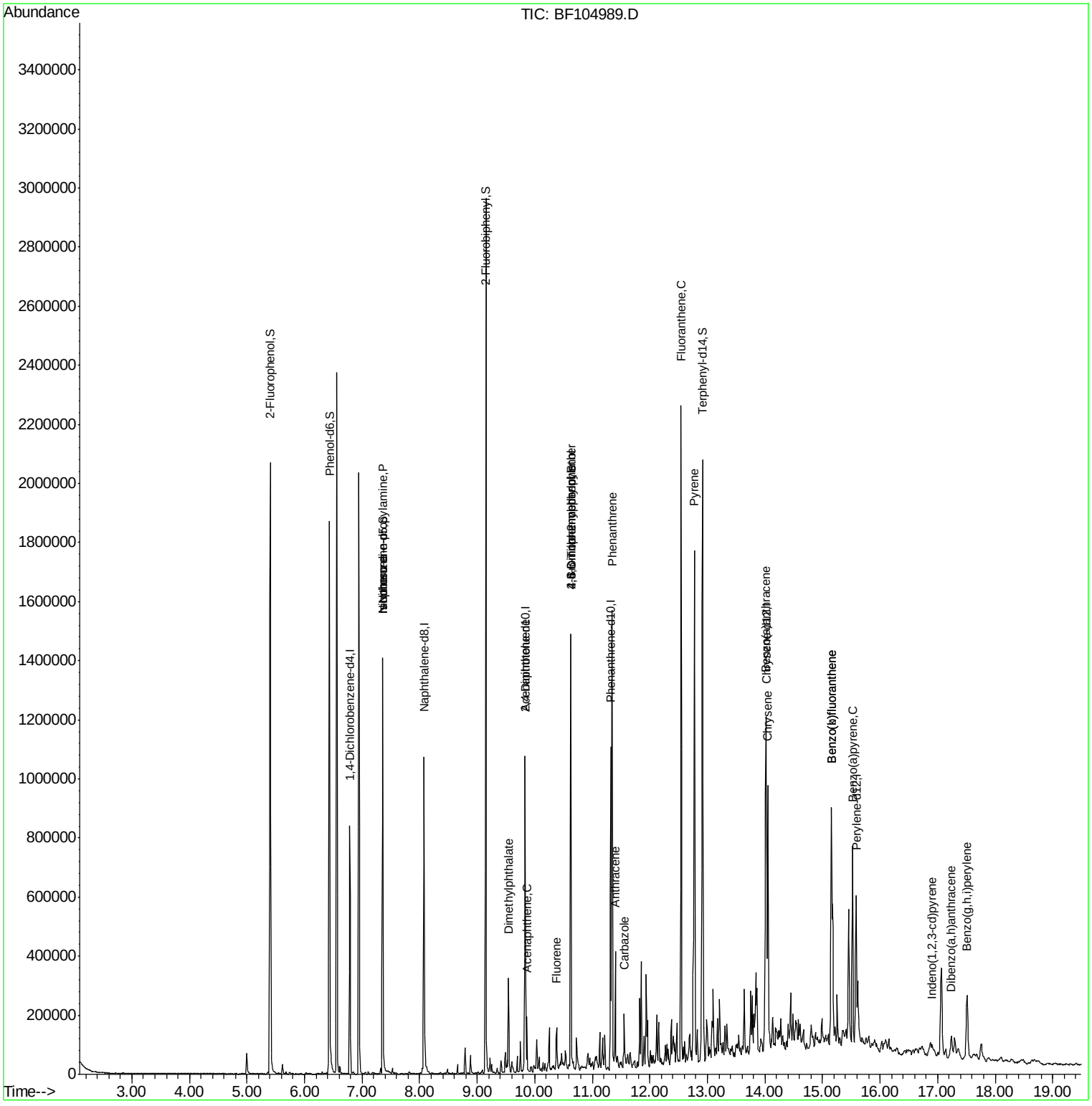
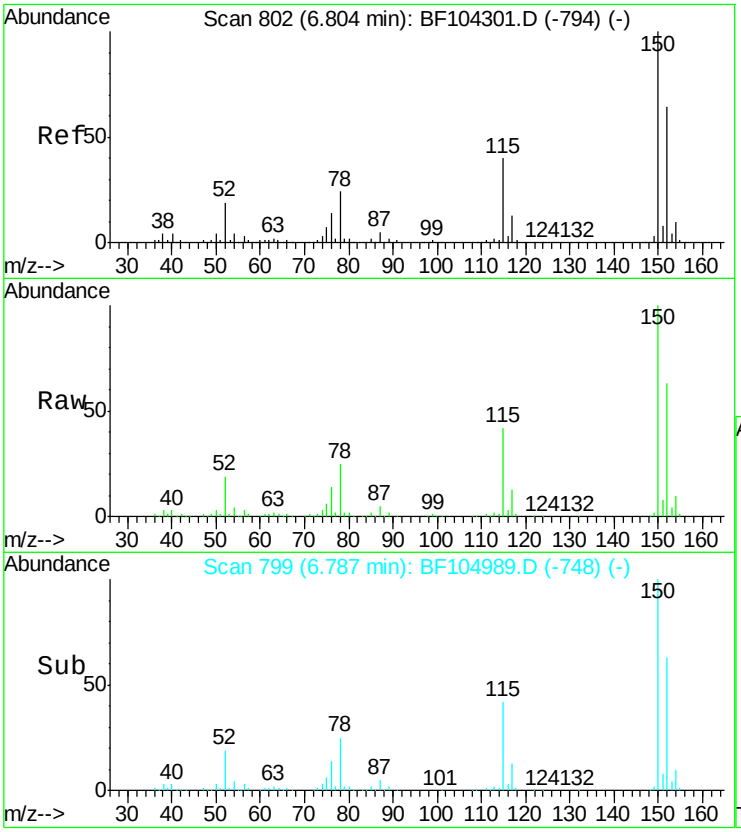
Instrument :
BNA_F
ClientSampleId :
TP-4_0.0-0.5

Quant Time: May 02 06:50:42 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



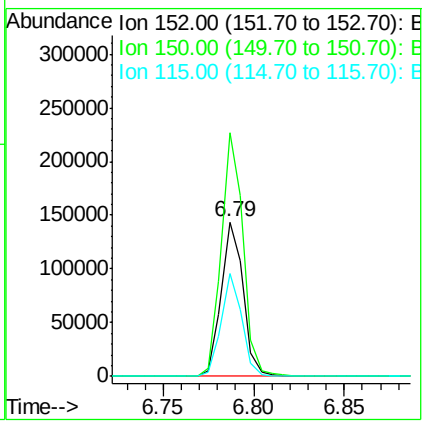


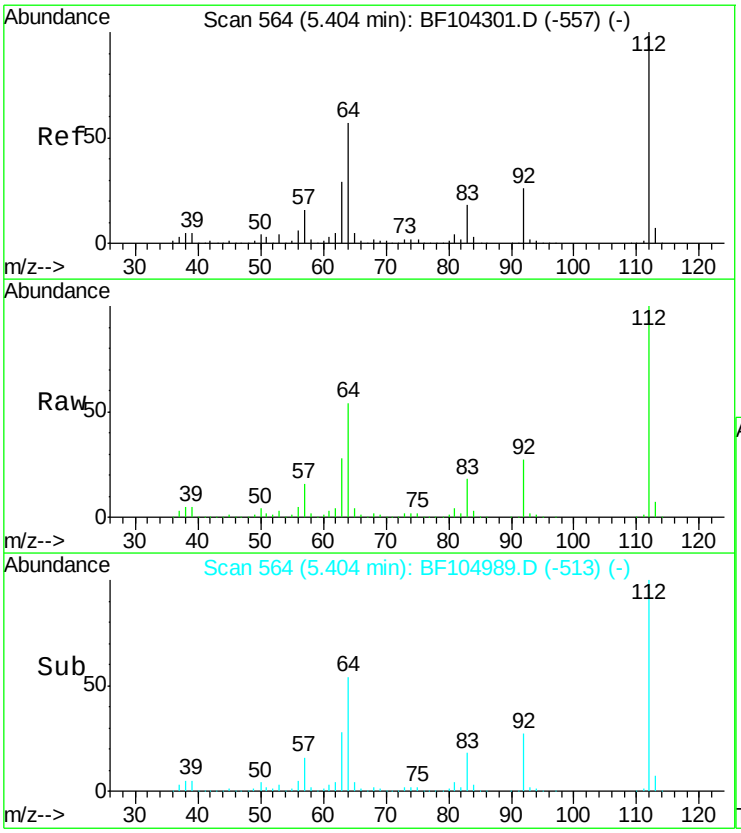
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Instrument :
BNA_F
ClientSampleId :
TP-4_0.0-0.5

Tgt Ion:152 Resp: 120799

Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	66.9	50.1	75.1

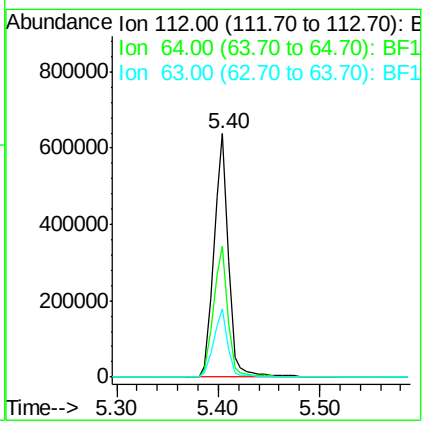


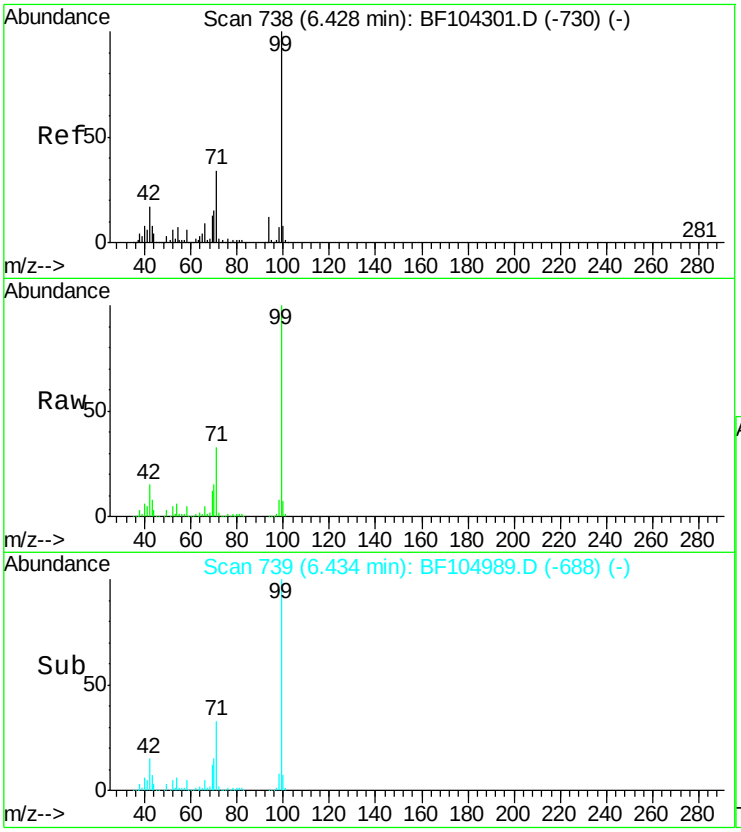


#5
2-Fluorophenol
Concen: 80.321 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Tgt Ion:112 Resp: 634554

Ion	Ratio	Lower	Upper
112	100		
64	53.9	47.9	71.9
63	27.9	23.7	35.5



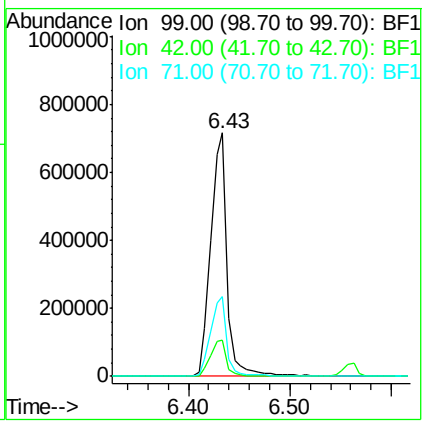


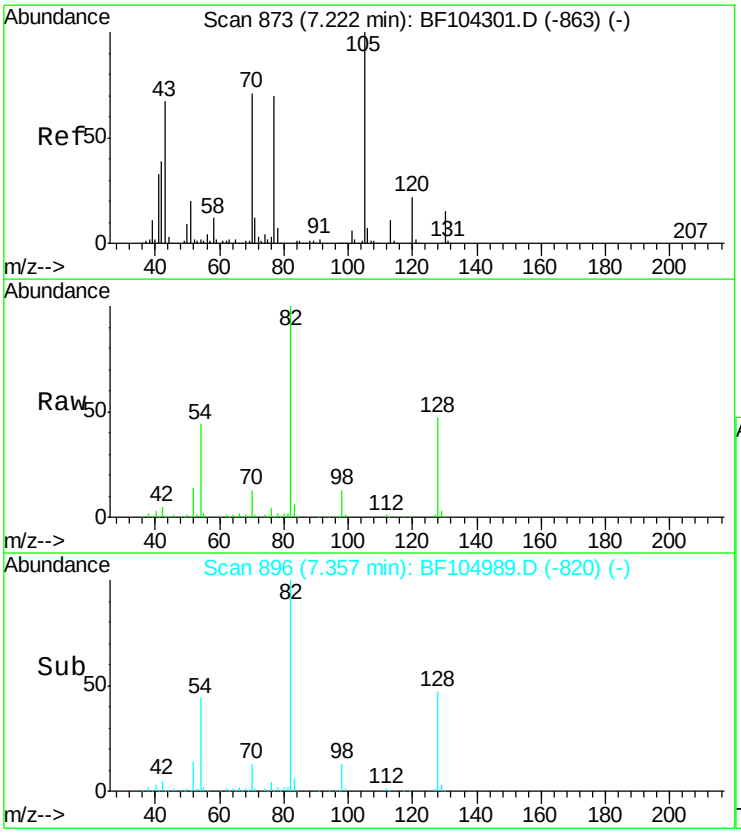
#7
Phenol-d6
Concen: 82.449 ng
RT: 6.43 min Scan# 739
Delta R.T. -0.00 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Instrument :
BNA_F
ClientSampleId :
TP-4_0.0-0.5

Tgt Ion: 99 Resp: 800314

Ion	Ratio	Lower	Upper
99	100		
42	14.7	14.5	21.7
71	33.0	25.4	38.0

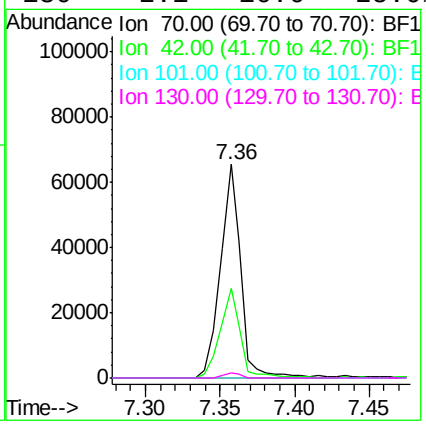


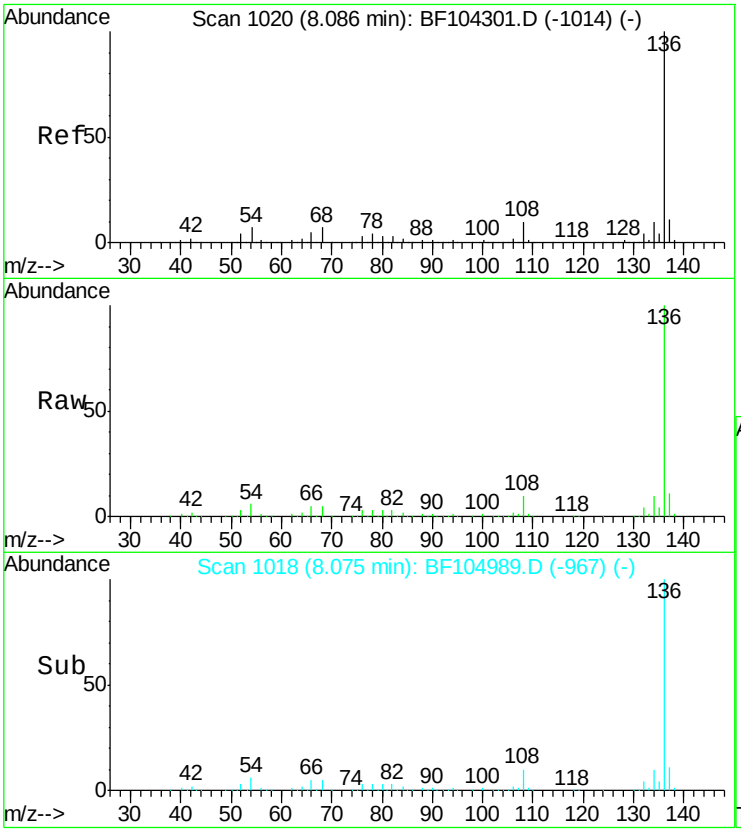


#19
n-Nitroso-di-n-propylamine
Concen: 10.004 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.15 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Tgt Ion: 70 Resp: 63458

Ion	Ratio	Lower	Upper
70	100		
42	41.7	47.5	71.3#
101	0.0	7.4	11.2#
130	2.1	16.6	25.0#



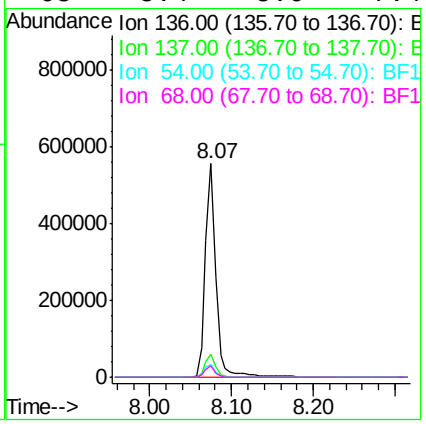


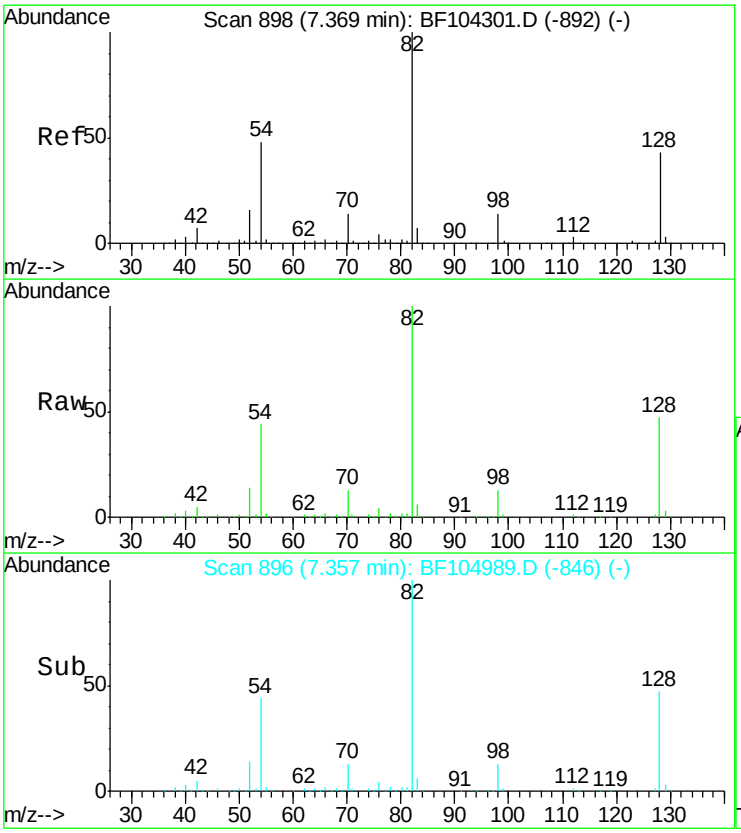
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Instrument :
BNA_F
ClientSampleId :
TP-4_0.0-0.5

Tgt Ion:136 Resp: 502561

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.2	6.6	9.8#
68	5.4	5.0	7.4

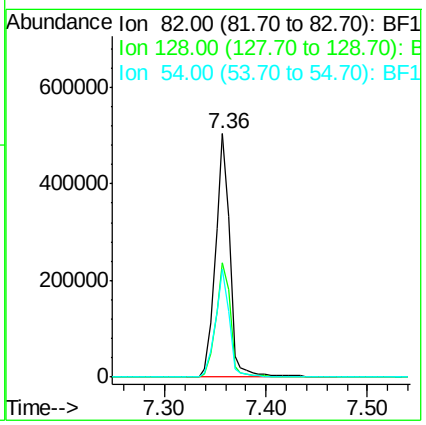


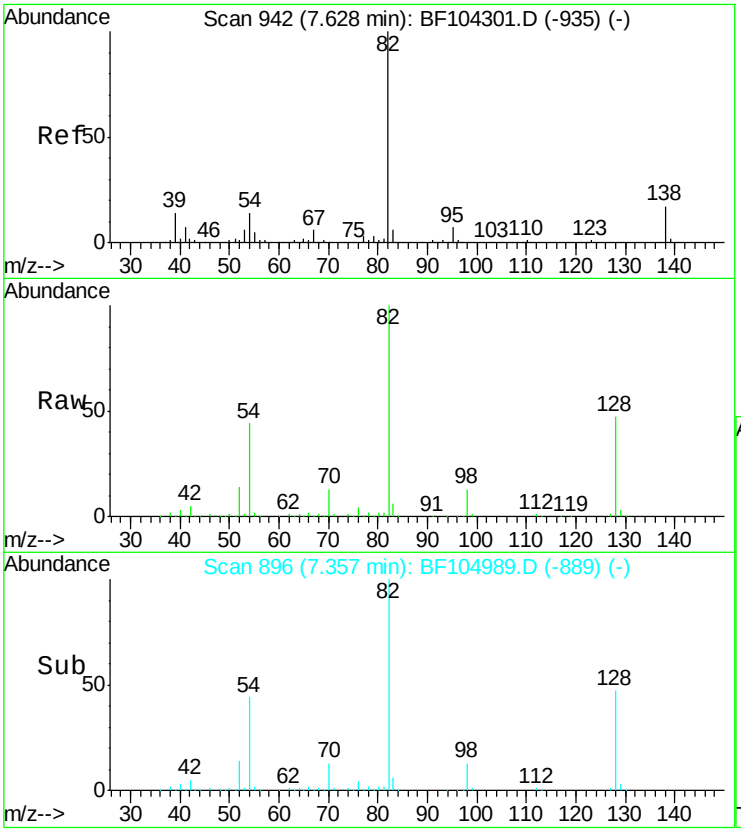


#23
Nitrobenzene-d5
Concen: 64.171 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Tgt Ion: 82 Resp: 493890

Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.1	54.1
54	44.1	41.4	62.2



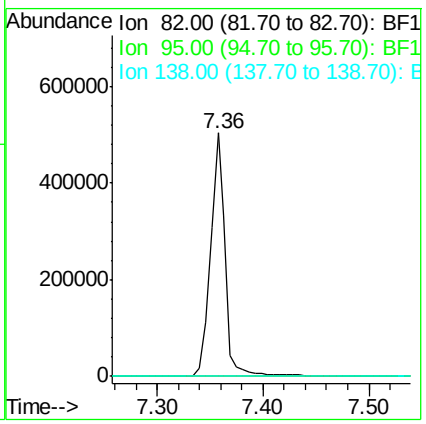


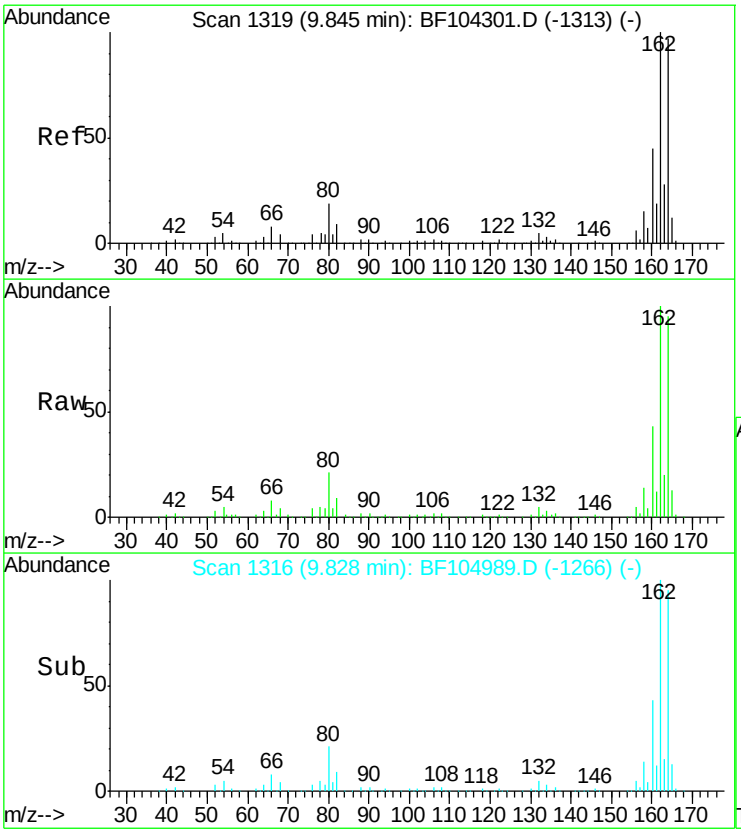
#25
Isophorone
Concen: 30.346 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.26 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Instrument :
BNA_F
ClientSampleId :
TP-4_0.0-0.5

Tgt Ion: 82 Resp: 493886

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

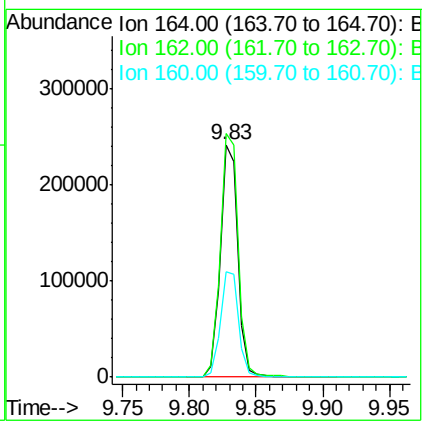


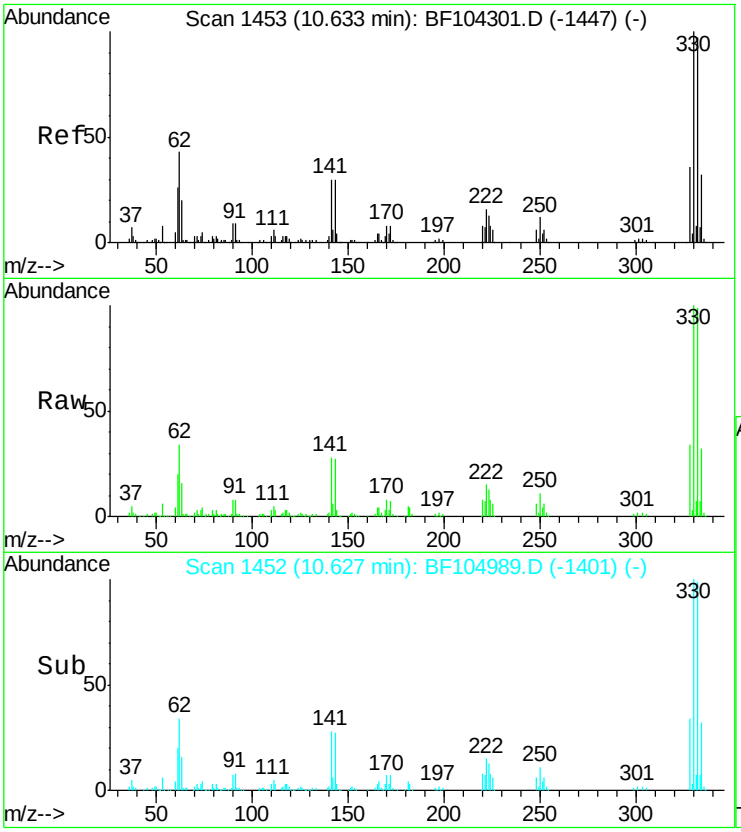


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Tgt Ion:164 Resp: 225559

Ion	Ratio	Lower	Upper
164	100		
162	104.8	86.1	129.1
160	45.1	38.3	57.5



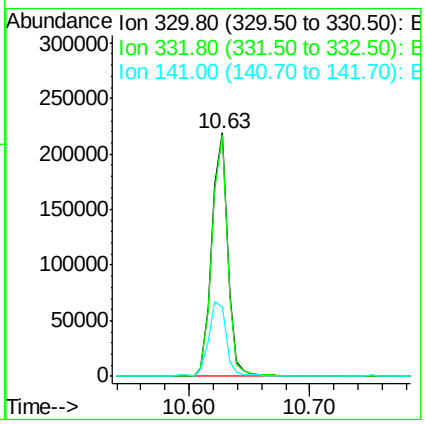


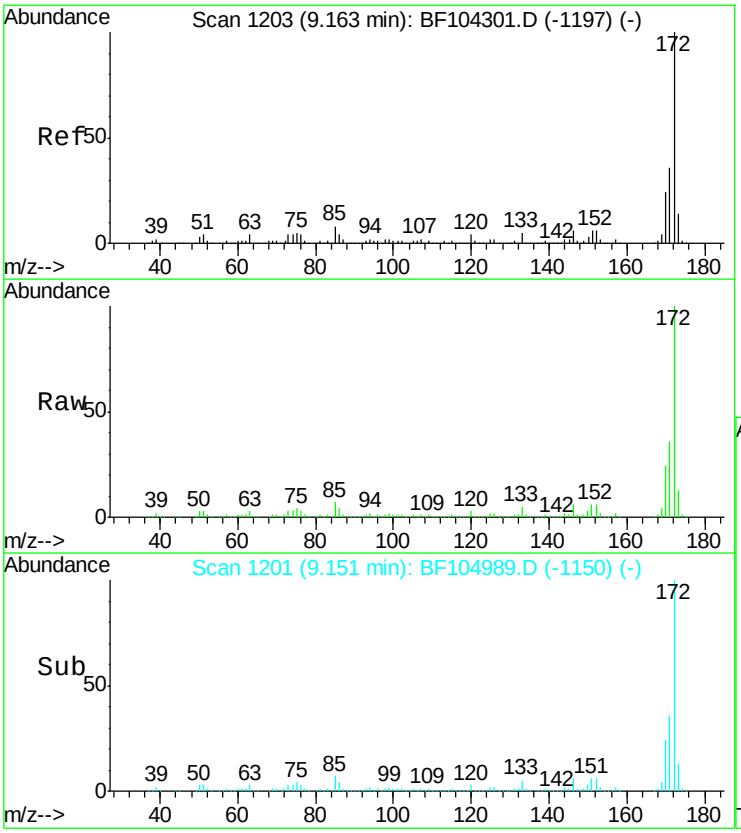
#41
2,4,6-Tribromophenol
Concen: 84.875 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.00 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Instrument :
BNA_F
ClientSampleId :
TP-4_0.0-0.5

Tgt Ion:330 Resp: 198590

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	35.1	29.9	44.9

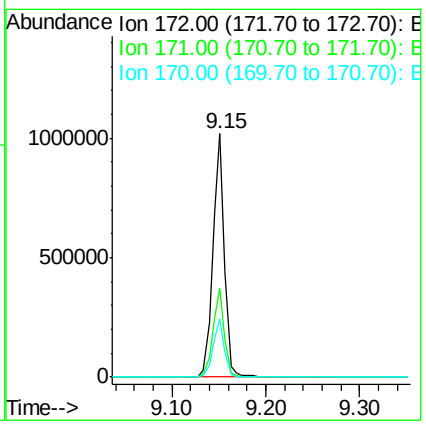


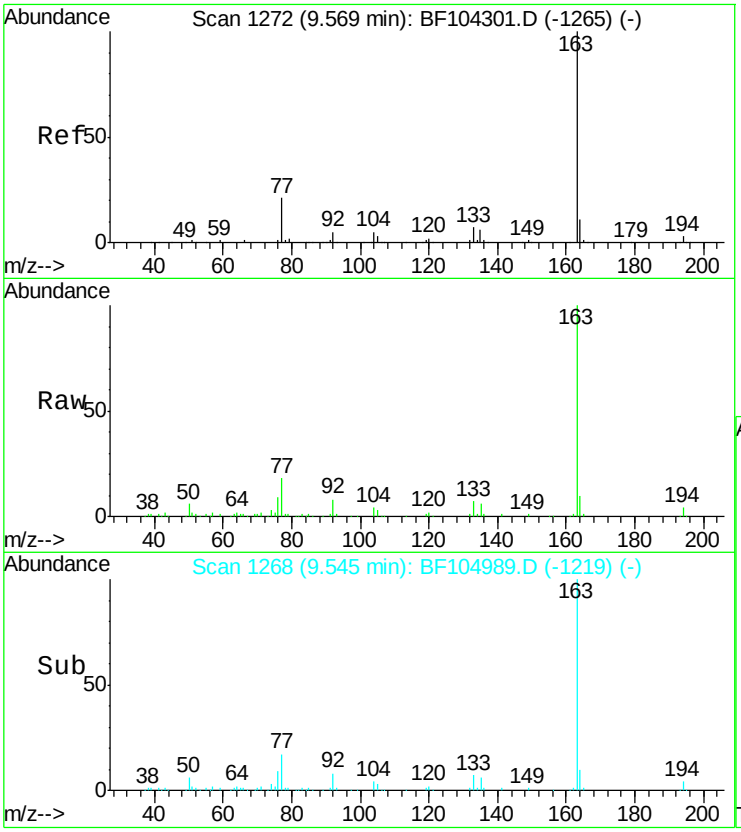


#44
2-Fluorobiphenyl
Concen: 61.968 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Tgt Ion:172 Resp: 884786

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	23.8	19.6	29.4



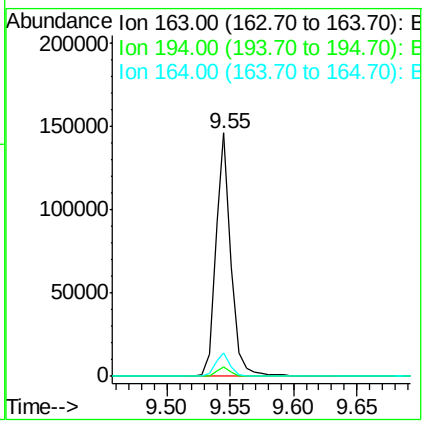


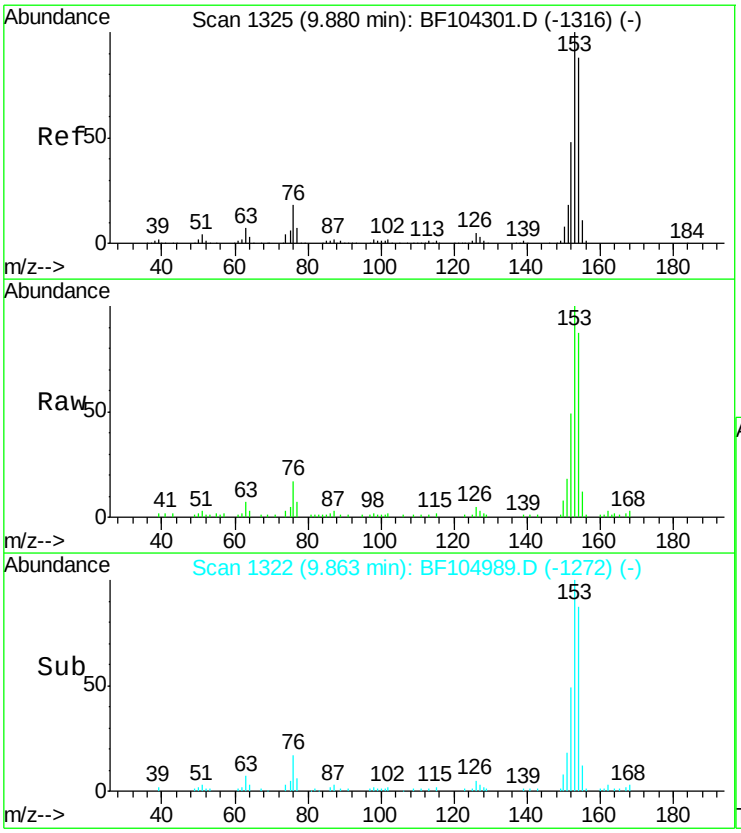
#49
Dimethylphthalate
Concen: 6.901 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Instrument :
BNA_F
ClientSampleId :
TP-4_0.0-0.5

Tgt Ion:163 Resp: 122745

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	9.8	8.2	12.2

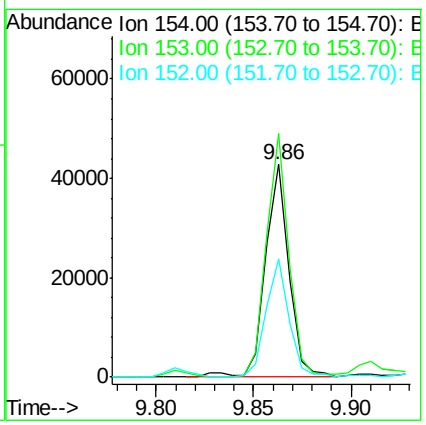


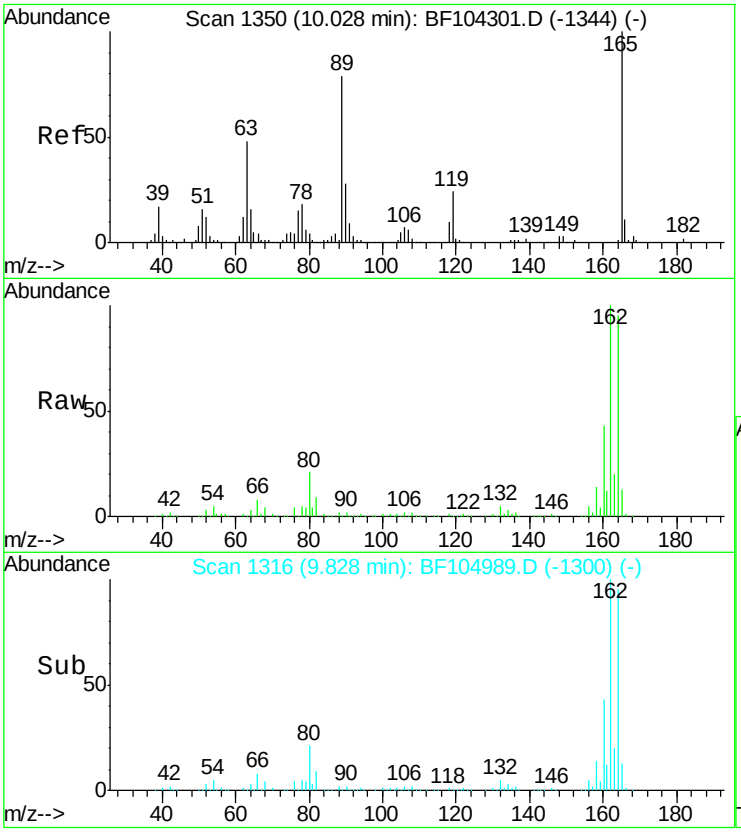


#51
Acenaphthene
Concen: 2.493 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Tgt Ion:154 Resp: 35722

Ion	Ratio	Lower	Upper
154	100		
153	114.4	91.2	136.8
152	55.5	43.8	65.8



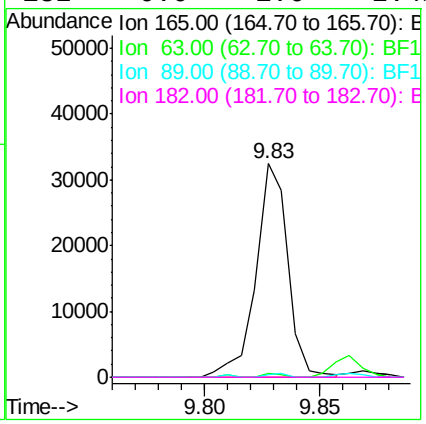


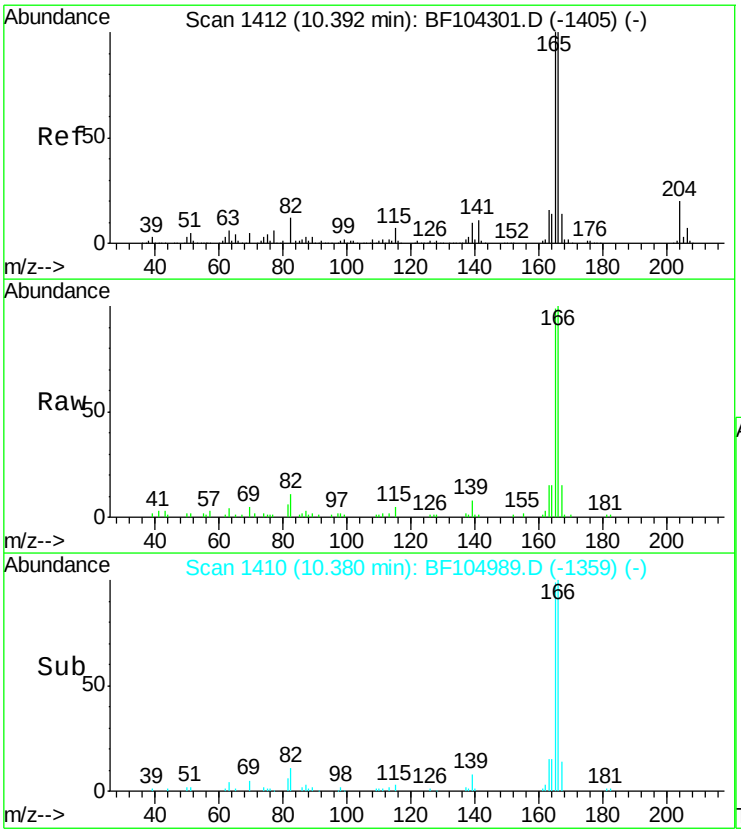
#56
2,4-Dinitrotoluene
Concen: 7.240 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.21 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Instrument :
BNA_F
ClientSampleId :
TP-4_0.0-0.5

Tgt Ion:165 Resp: 31255

Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.0	57.8	86.6#
182	0.0	1.6	2.4#

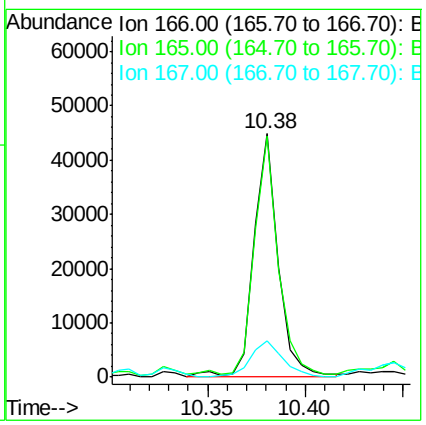


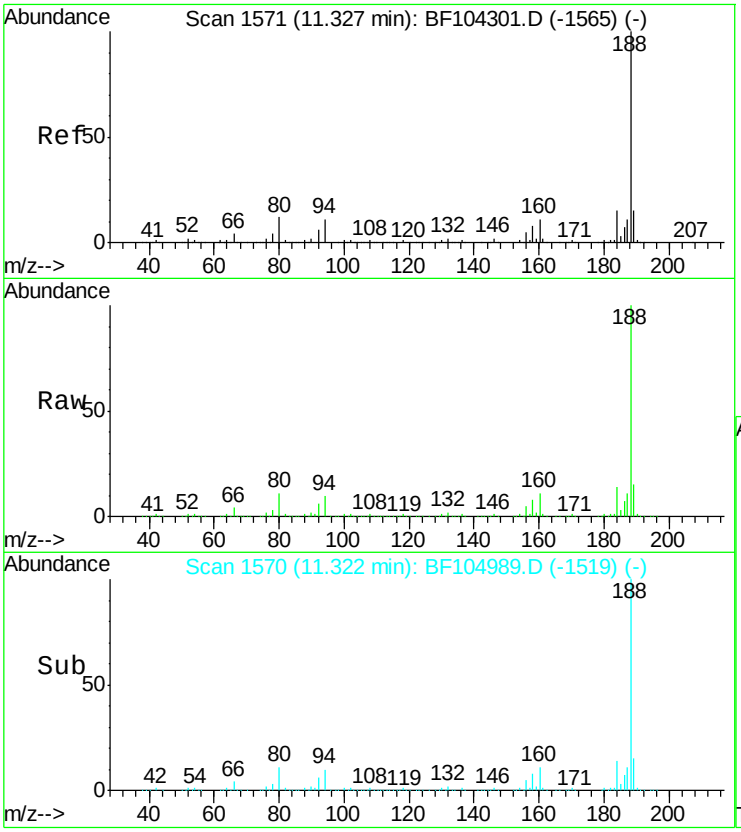


#57
Fluorene
Concen: 2.671 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.00 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Tgt Ion:166 Resp: 38815

Ion	Ratio	Lower	Upper
166	100		
165	98.9	79.8	119.8
167	14.7	10.6	16.0



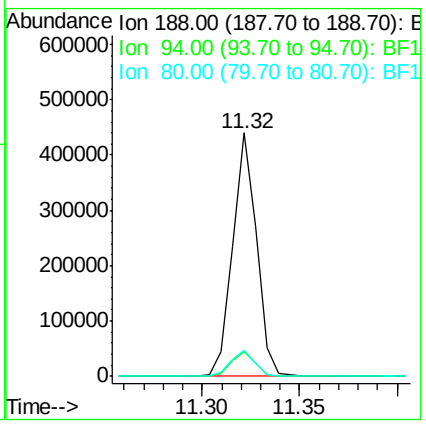


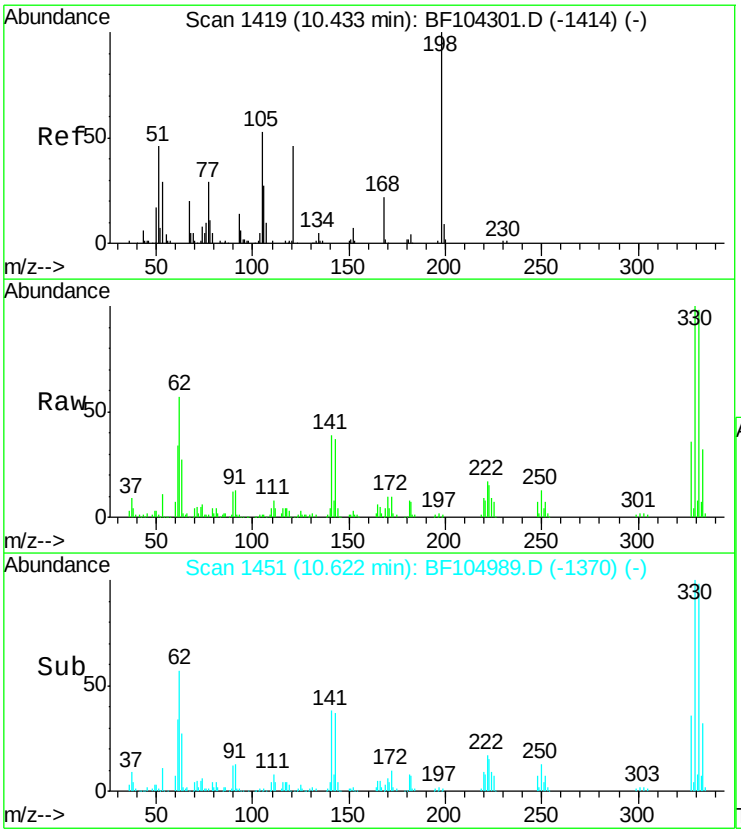
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Instrument :
BNA_F
ClientSampleId :
TP-4_0.0-0.5

Tgt Ion:188 Resp: 373665

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.5	12.7
80	10.5	9.2	13.8

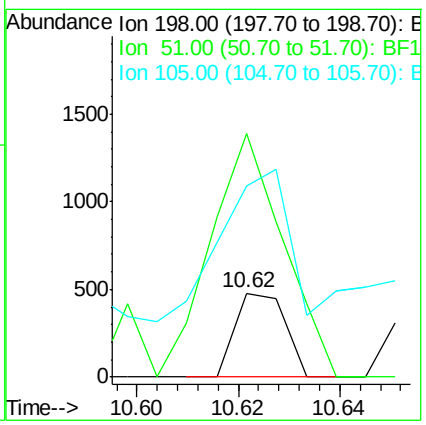


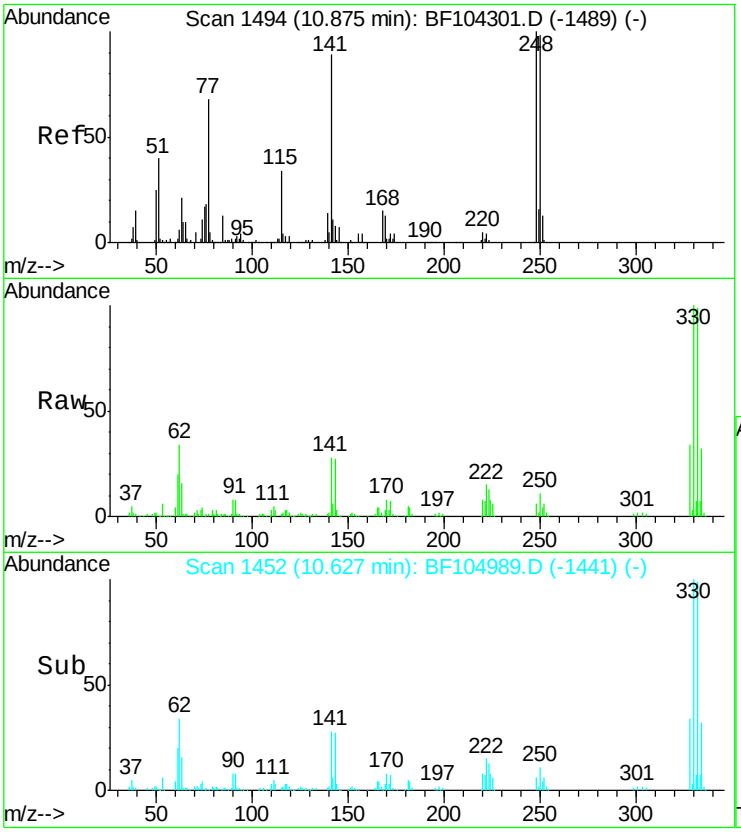


#64
4,6-Dinitro-2-methylphenol
Concen: 7.500 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.18 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Tgt Ion:198 Resp: 328

Ion	Ratio	Lower	Upper
198	100		
51	290.0	37.7	77.7#
105	226.9	36.3	76.3#



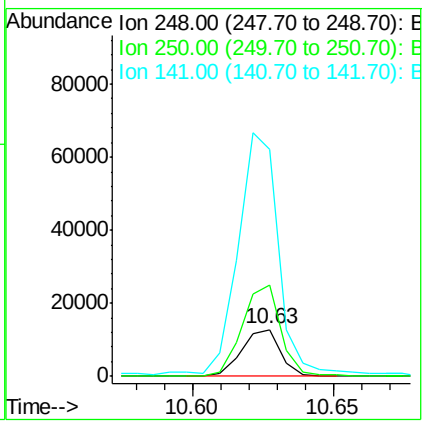


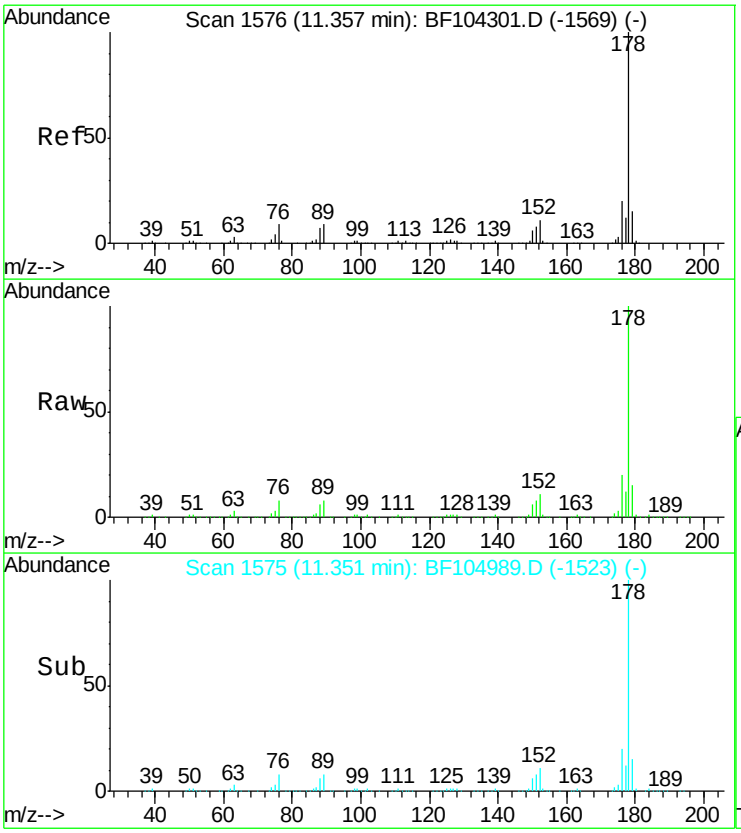
#66
4-Bromophenyl-phenylether
Concen: 3.043 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.24 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Instrument :
BNA_F
ClientSampleId :
TP-4_0.0-0.5

Tgt Ion:248 Resp: 12096

Ion	Ratio	Lower	Upper
248	100		
250	196.3	76.9	115.3#
141	486.6	74.4	111.6#

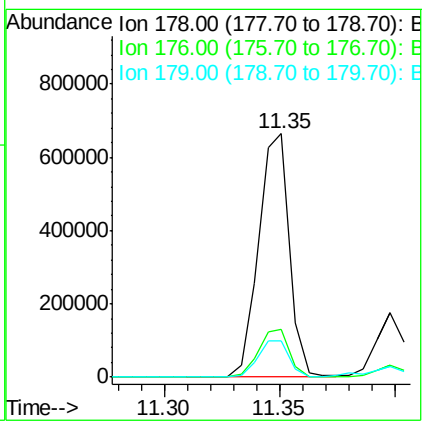


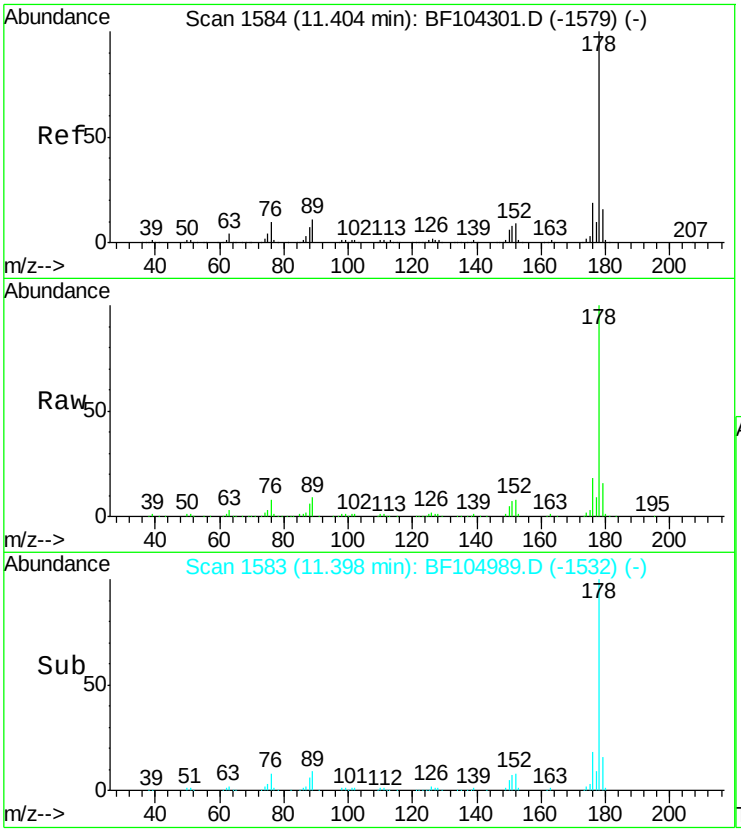


#70
Phenanthrene
Concen: 29.734 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.01 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Tgt Ion:178 Resp: 618745

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.2	13.0	19.6



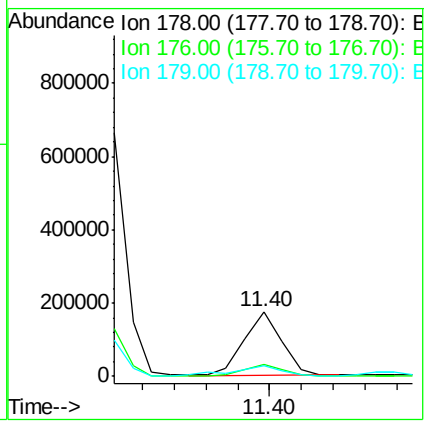


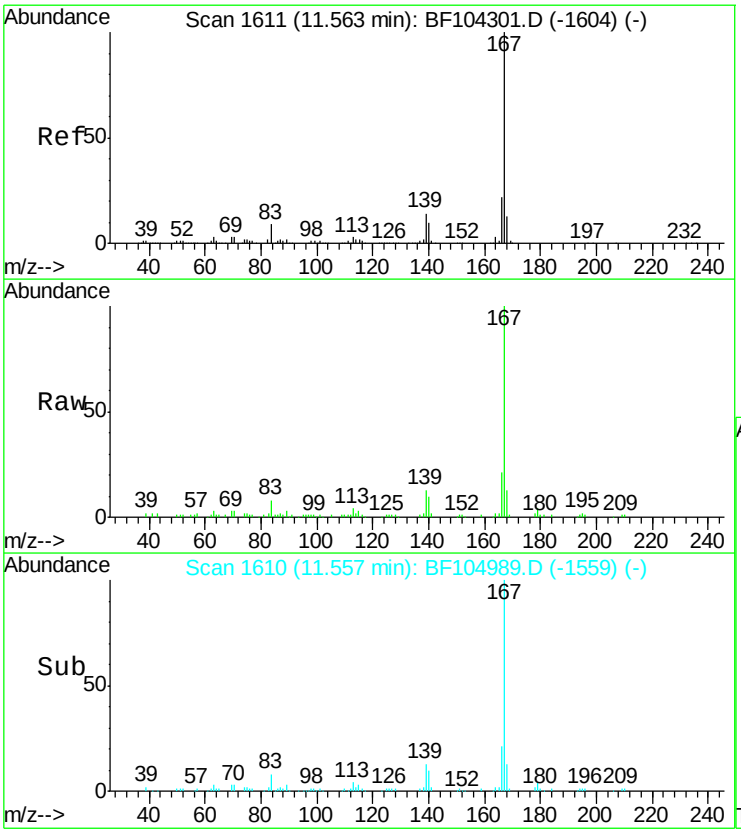
#71
Anthracene
Concen: 6.848 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Instrument :
BNA_F
ClientSampleId :
TP-4_0.0-0.5

Tgt Ion:178 Resp: 144849

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	16.1	12.6	19.0

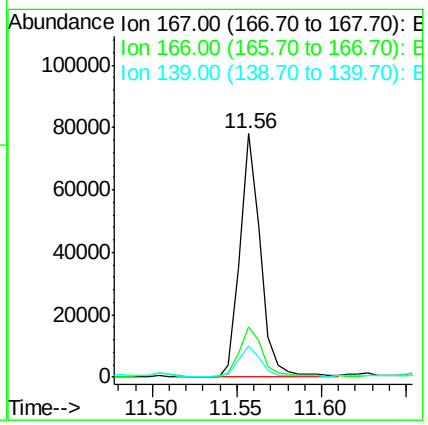


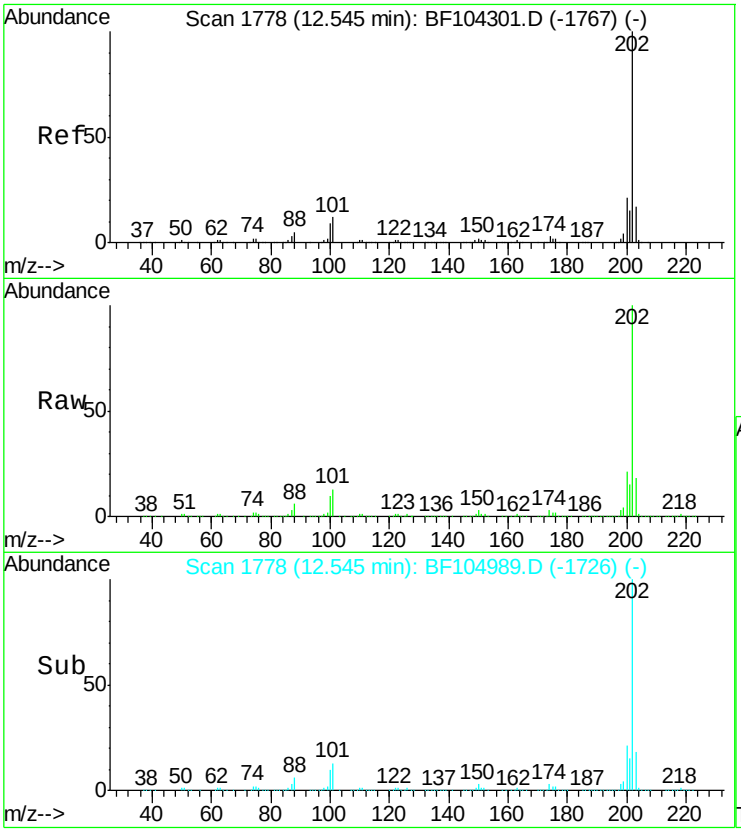


#72
Carbazole
Concen: 3.192 ng
RT: 11.56 min Scan# 1610
Delta R.T. -0.00 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Tgt Ion:167 Resp: 65977

Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.6	26.4
139	12.9	10.9	16.3



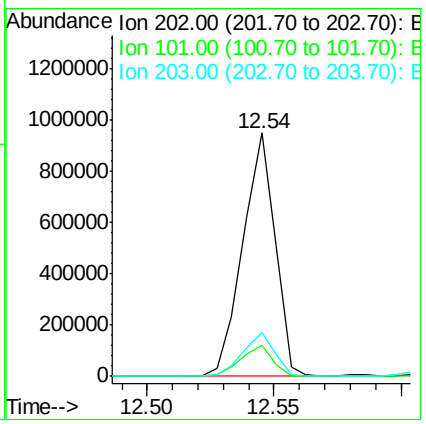


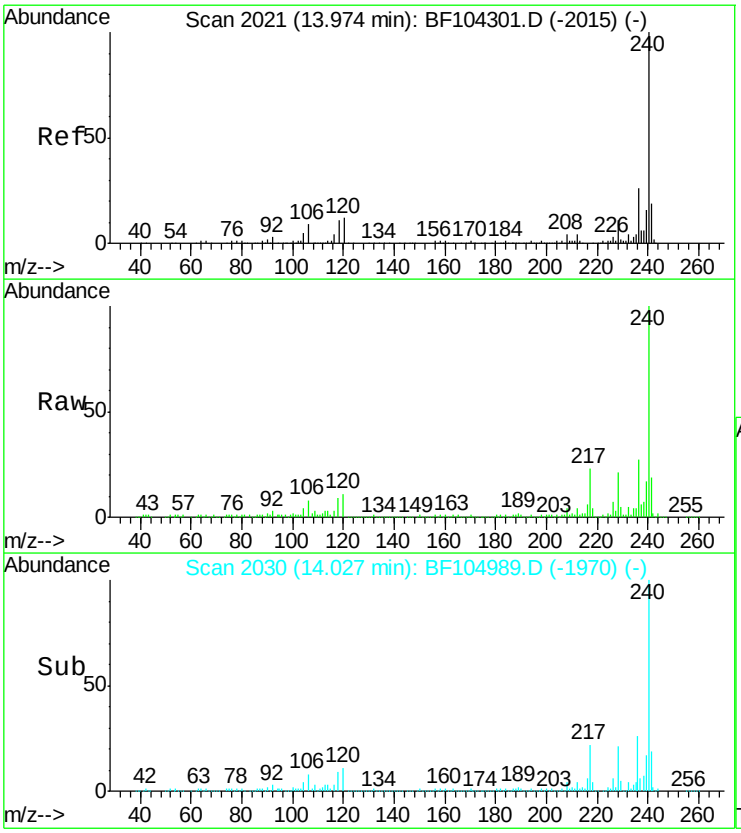
#74
Fluoranthene
Concen: 38.774 ng
RT: 12.54 min Scan# 1778
Delta R.T. 0.01 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Instrument :
BNA_F
ClientSampleId :
TP-4_0.0-0.5

Tgt Ion:202 Resp: 843005

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	34.1
203	18.0	0.0	38.1

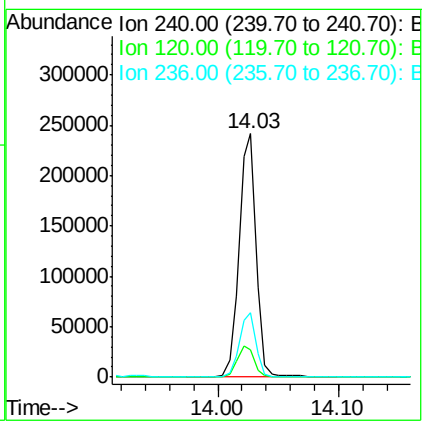


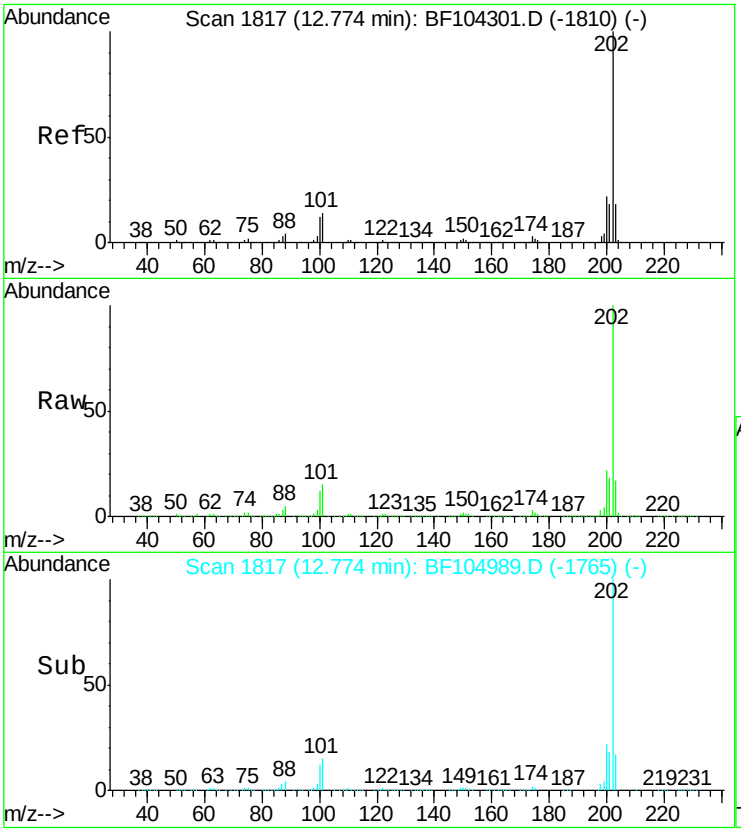


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.05 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Tgt Ion:240 Resp: 237314

Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.5	14.3
236	26.6	20.7	31.1



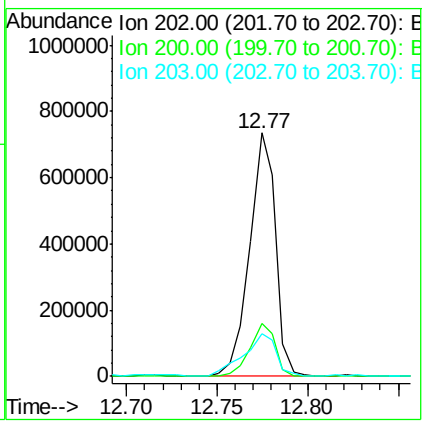


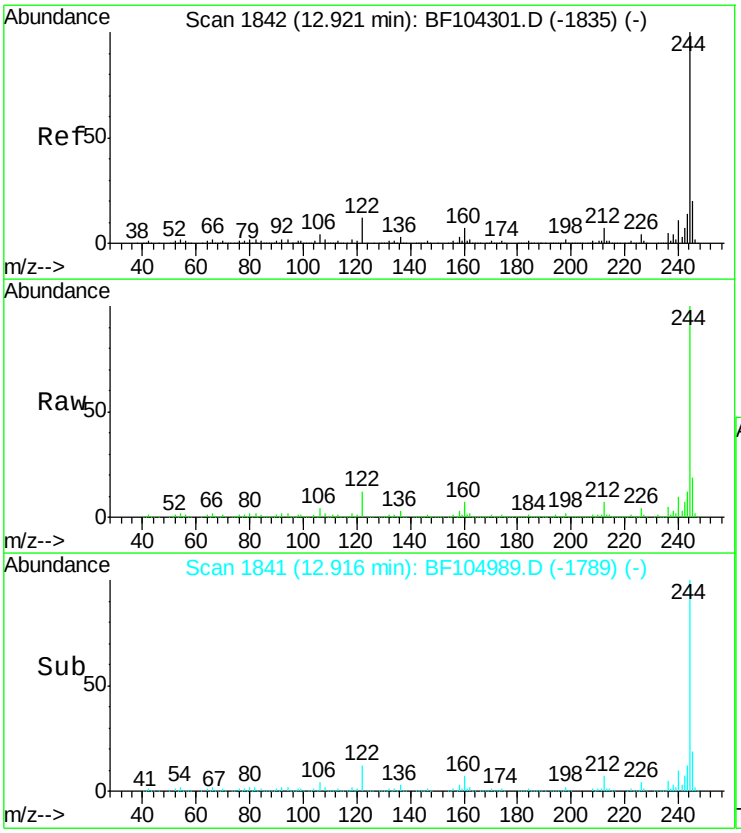
#77
Pyrene
Concen: 41.534 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.01 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Instrument :
BNA_F
ClientSampleId :
TP-4_0.0-0.5

Tgt Ion:202 Resp: 730600

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	17.5	14.3	21.5

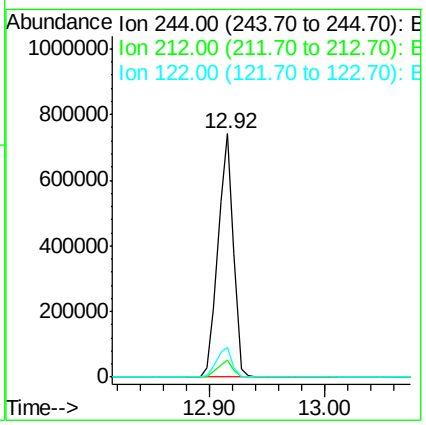


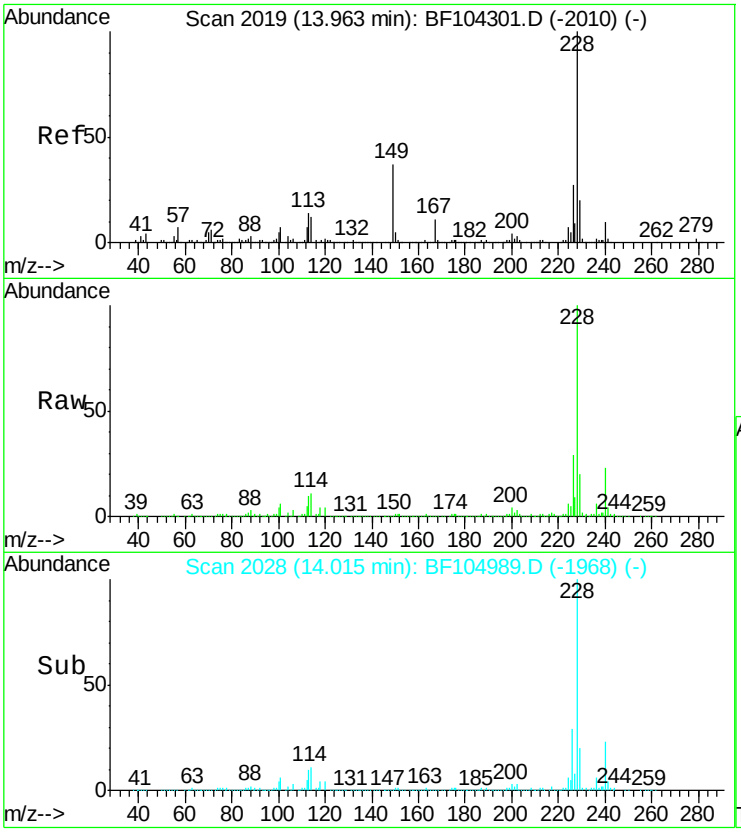


#78
Terphenyl-d14
Concen: 65.456 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.01 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Tgt Ion:244 Resp: 681349

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.5	11.0	16.4



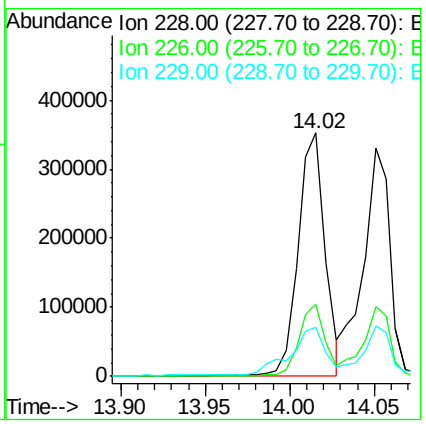


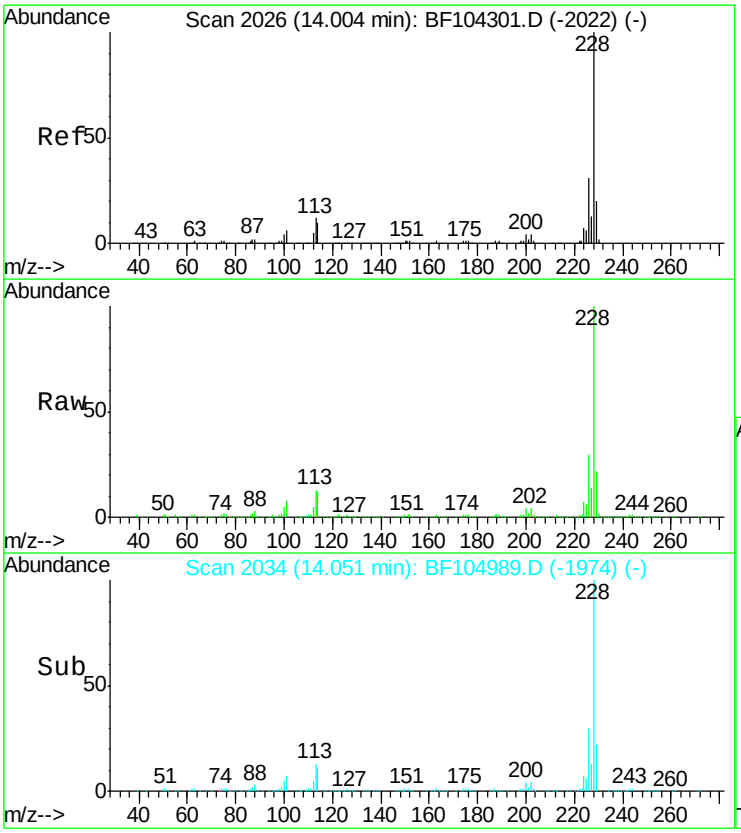
#80
Benzo(a)anthracene
Concen: 27.200 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.05 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Instrument :
BNA_F
ClientSampleId :
TP-4_0.0-0.5

Tgt Ion:228 Resp: 385628

Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	20.1	15.8	23.6

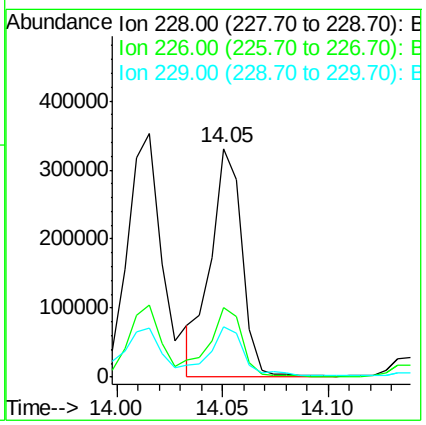


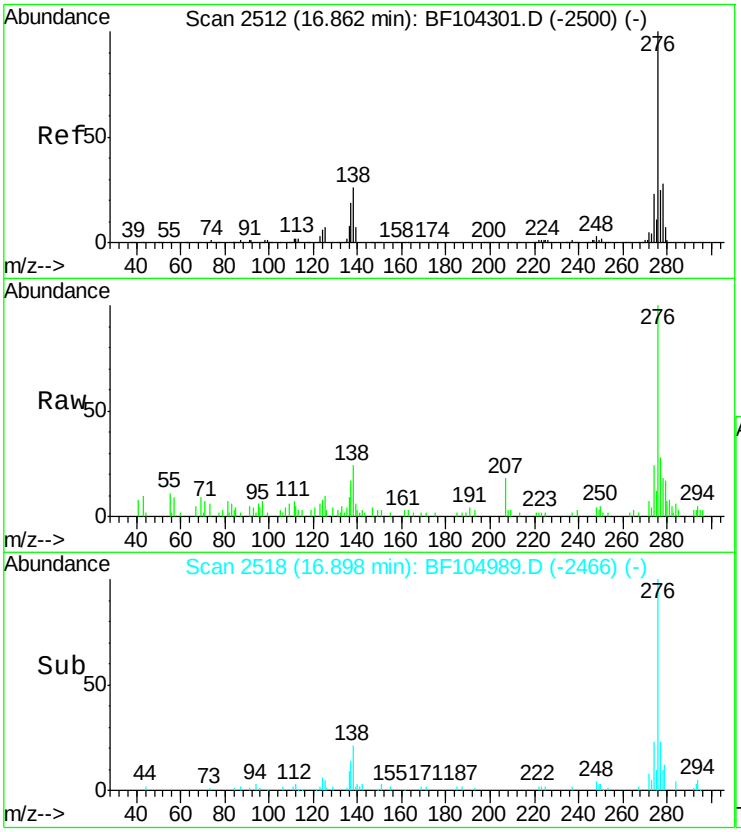


#82
Chrysene
Concen: 23.451 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.05 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Tgt Ion:228 Resp: 341498

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



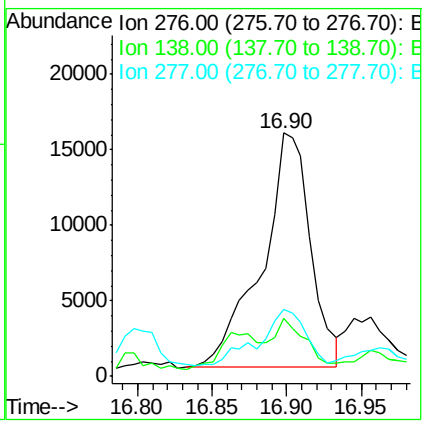


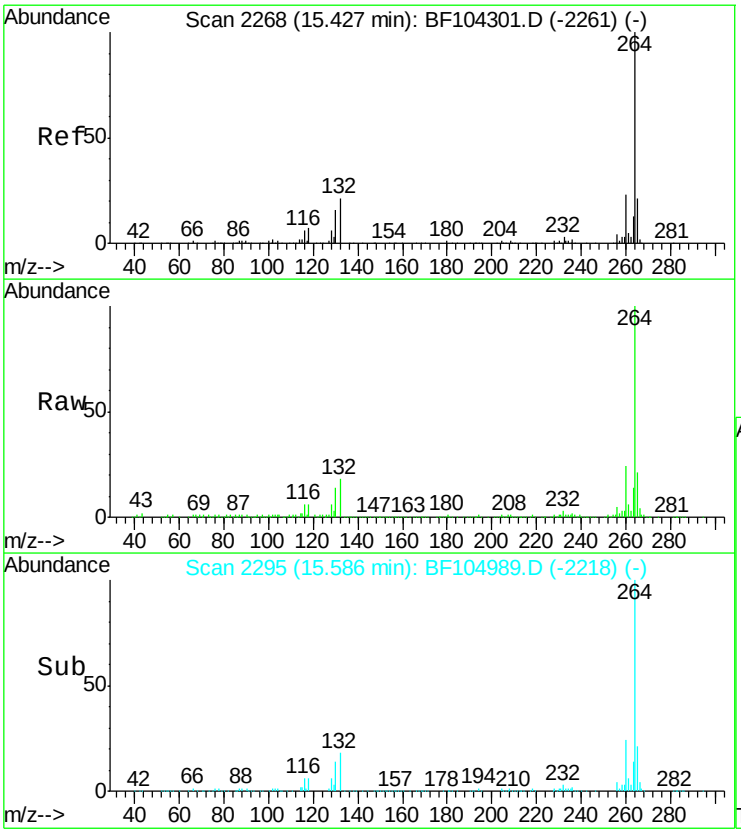
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.835 ng
RT: 16.90 min Scan# 2518
Delta R.T. 0.01 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Instrument :
BNA_F
ClientSampleId :
TP-4_0.0-0.5

Tgt Ion:276 Resp: 35073

Ion	Ratio	Lower	Upper
276	100		
138	13.7	25.0	37.6#
277	23.4	20.1	30.1

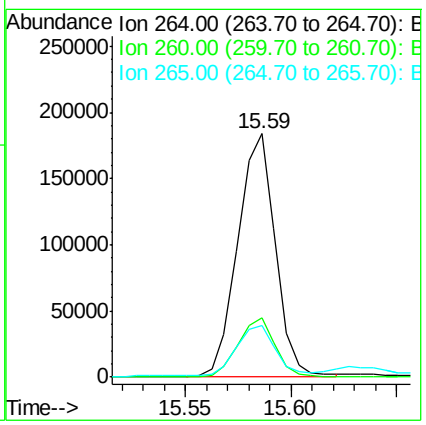


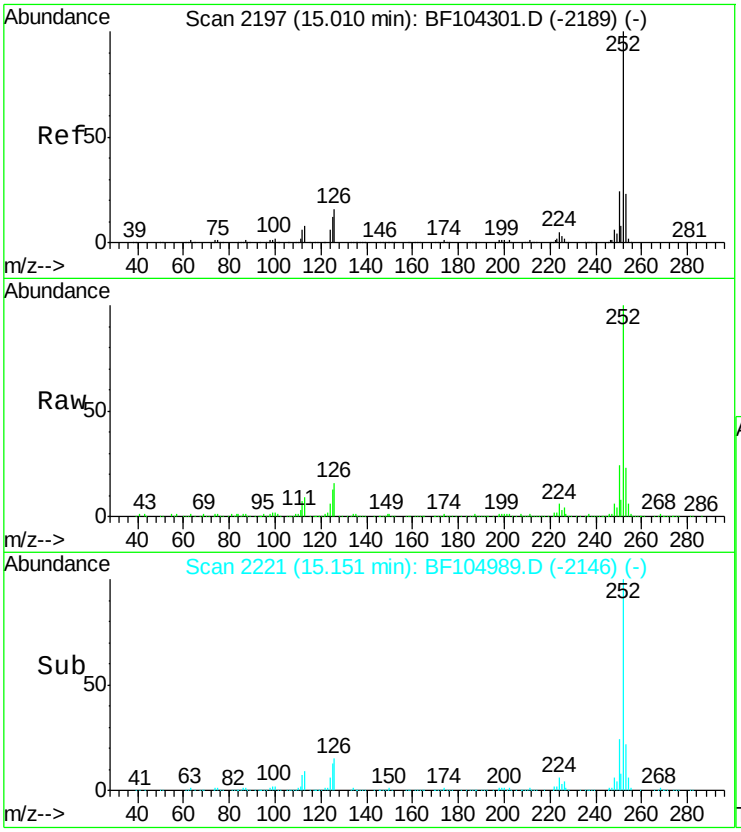


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.15 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Tgt Ion:264 Resp: 226331

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.4	17.5	26.3



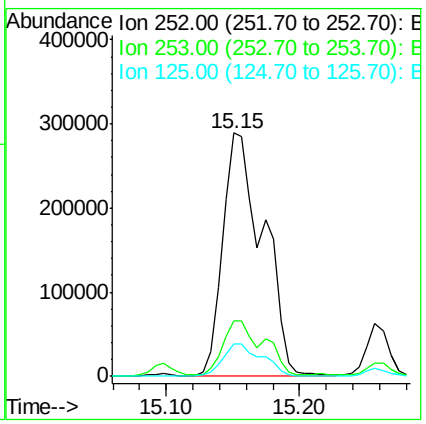


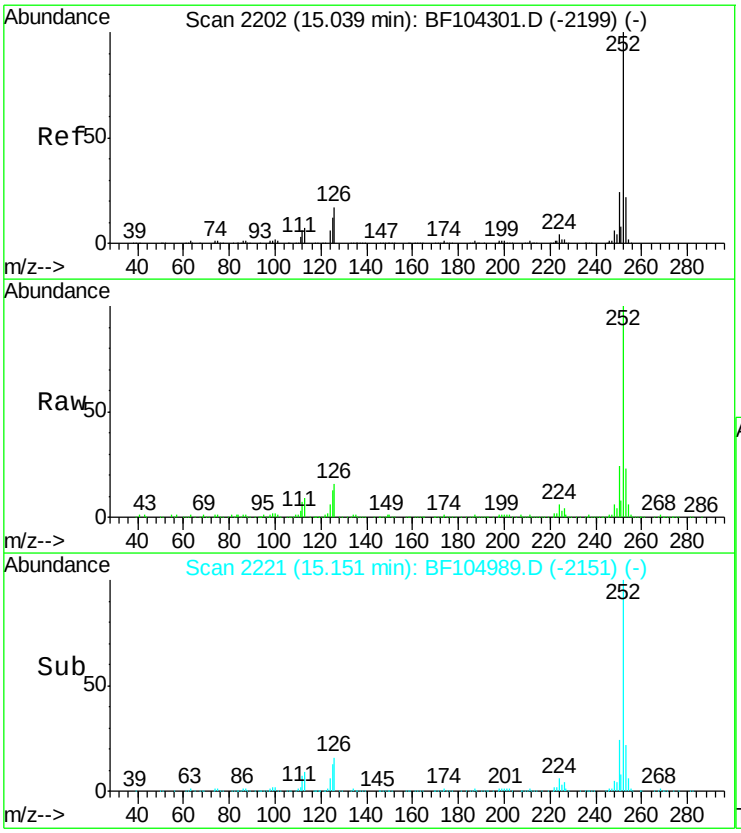
#87
Benzo(b)fluoranthene
Concen: 42.610 ng
RT: 15.15 min Scan# 2221
Delta R.T. 0.14 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Instrument :
BNA_F
ClientSampleId :
TP-4_0.0-0.5

Tgt Ion:252 Resp: 609103

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	13.2	9.0	13.6

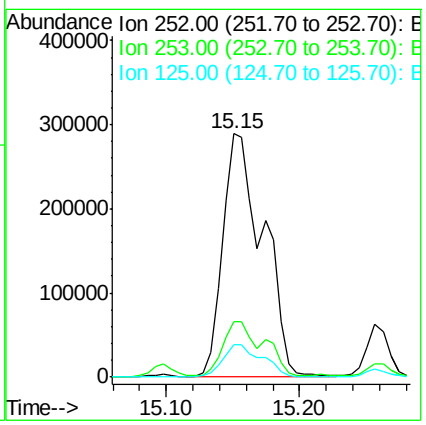


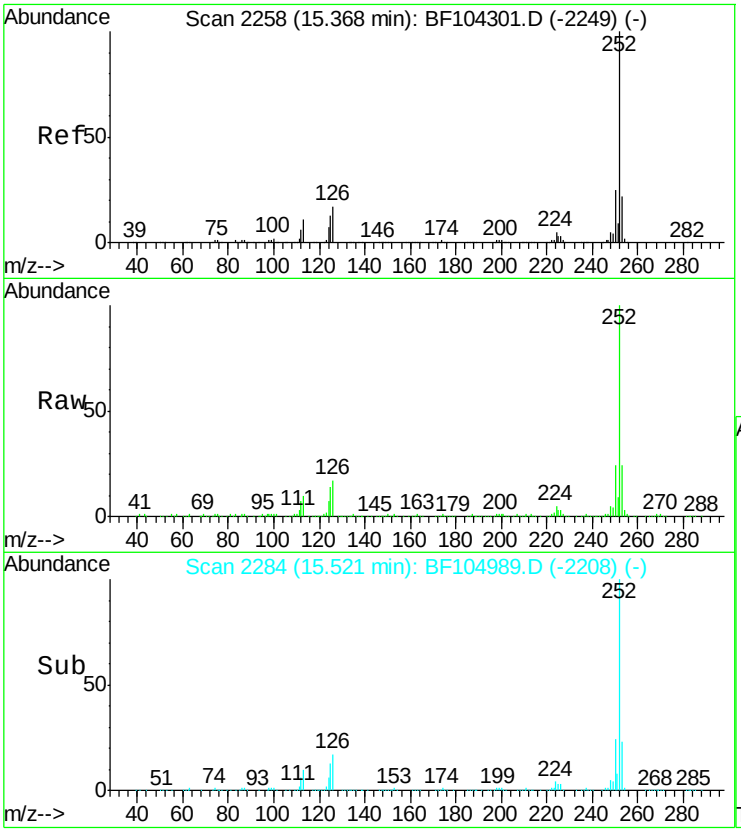


#88
Benzo(k)fluoranthene
Concen: 45.134 ng
RT: 15.15 min Scan# 2221
Delta R.T. 0.11 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Tgt Ion:252 Resp: 609103

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	13.2	10.2	15.2



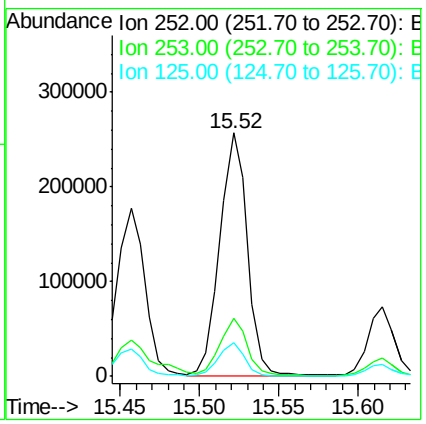


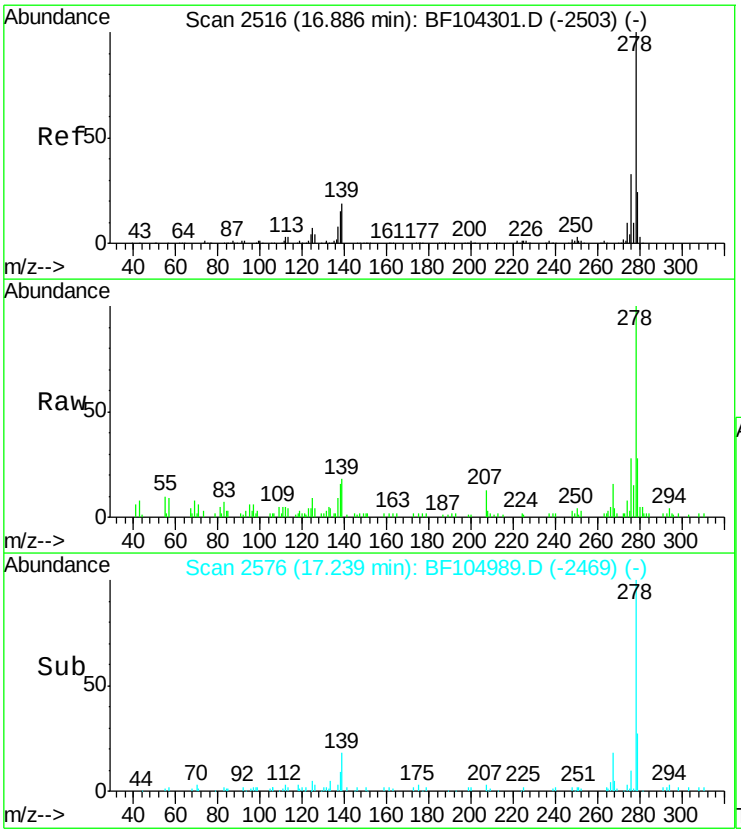
#89
Benzo(a)pyrene
Concen: 24.107 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.15 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Instrument :
BNA_F
ClientSampleId :
TP-4_0.0-0.5

Tgt Ion:252 Resp: 308334

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	13.7	9.8	14.6

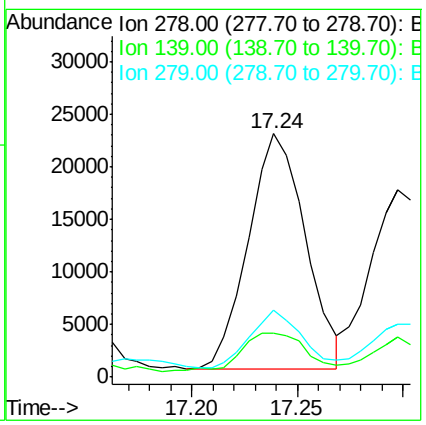


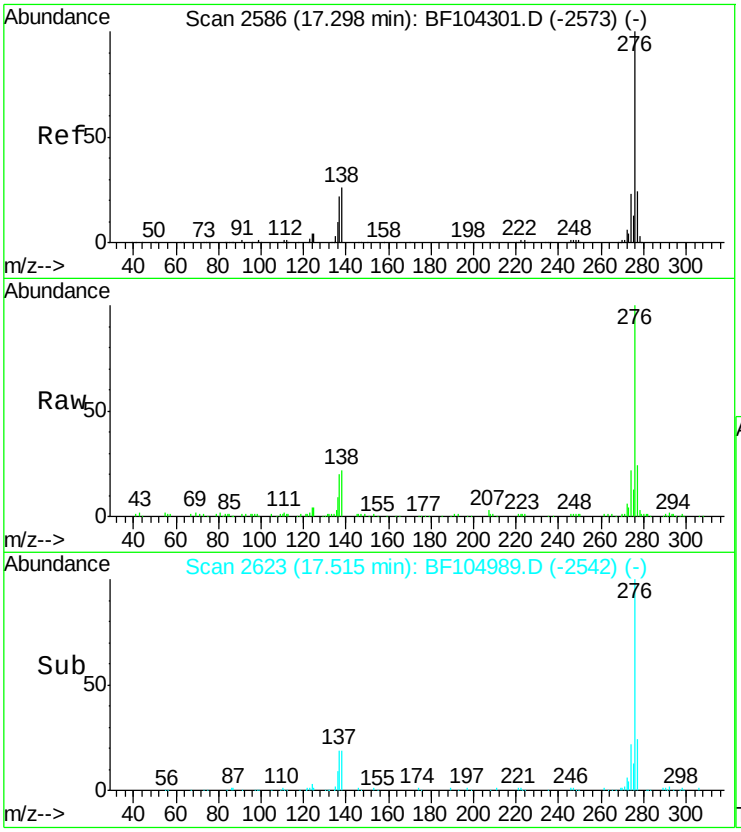


#90
Dibenzo(a,h)anthracene
Concen: 4.024 ng
RT: 17.24 min Scan# 2576
Delta R.T. 0.33 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Tgt Ion:278 Resp: 42270

Ion	Ratio	Lower	Upper
278	100		
139	18.1	15.9	23.9
279	27.7	19.0	28.4





#91
Benzo(g,h,i)perylene
Concen: 16.946 ng
RT: 17.52 min Scan# 2623
Delta R.T. 0.18 min
Lab File: BF104989.D
Acq: 1 May 2018 17:41

Instrument :
BNA_F
ClientSampleId :
TP-4_0.0-0.5

Tgt Ion:276 Resp: 172462

Ion	Ratio	Lower	Upper
276	100		
277	24.2	17.9	26.9
138	21.7	21.8	32.8#