Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103228.D
Acq On : 26 Feb 2018 20:11
Operator : SJ/JU
Sample : J1691-29 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Feb 27 00:06:54 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 02:43:46 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	170638	20.00	ng		0.00
21) Naphthalene-d8	8.16	136	704318	20.00	ng		0.00
38) Acenaphthene-d10	9.91	164	297913	20.00	ng		0.00
63) Phenanthrene-d10	11.40	188	438929	20.00	ng		0.00
75) Chrysene-d12	14.05	240	296098	20.00	ng		0.00
86) Perylene-d12	15.55	264	218428	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.49	112	502713	44.56	ng		0.00
7) Phenol-d6	6.50	99	603612	43.72	ng		0.00
23) Nitrobenzene-d5	7.43	82	361549	29.32	ng		0.00
41) 2,4,6-Tribromophenol	10.70	330	97405	38.63	ng		0.00
44) 2-Fluorobiphenyl	9.23	172	597623	28.65	ng		0.00
78) Terphenyl-d14	12.98	244	391177	31.76	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.43	77	1141	Below Cal			85
19) n-Nitroso-di-n-propylamine	7.43	70	48297	5.62	ng	#	83
25) Isophorone	7.43	82	361546	14.88	ng	#	64
49) Dimethylphthalate	9.62	163	84736	3.55	ng		99
50) 2,6-Dinitrotoluene	9.91	165	38757	7.73	ng	#	25
56) 2,4-Dinitrotoluene	9.91	165	38757	6.11	ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.70	198	137	4.99	ng	#	1
70) Phenanthrene	11.42	178	108063	4.47	ng		98
74) Fluoranthene	12.62	202	166002	6.84	ng		97
77) Pyrene	12.85	202	194445	8.42	ng		99
80) Benzo(a)anthracene	14.04	228	103682	5.40	ng	#	94
82) Chrysene	14.07	228	101049	5.42	ng		96
85) Indeno(1,2,3-cd)pyrene	17.07	276	35323	2.39	ng		96
87) Benzo(b)fluoranthene	15.11	252	124464	8.67	ng	#	69
88) Benzo(k)fluoranthene	15.11	252	124464	9.20	ng	#	73
89) Benzo(a)pyrene	15.49	252	58250	4.54	ng	#	74
91) Benzo(g,h,i)perylene	17.53	276	37312	3.85	ng	#	79

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

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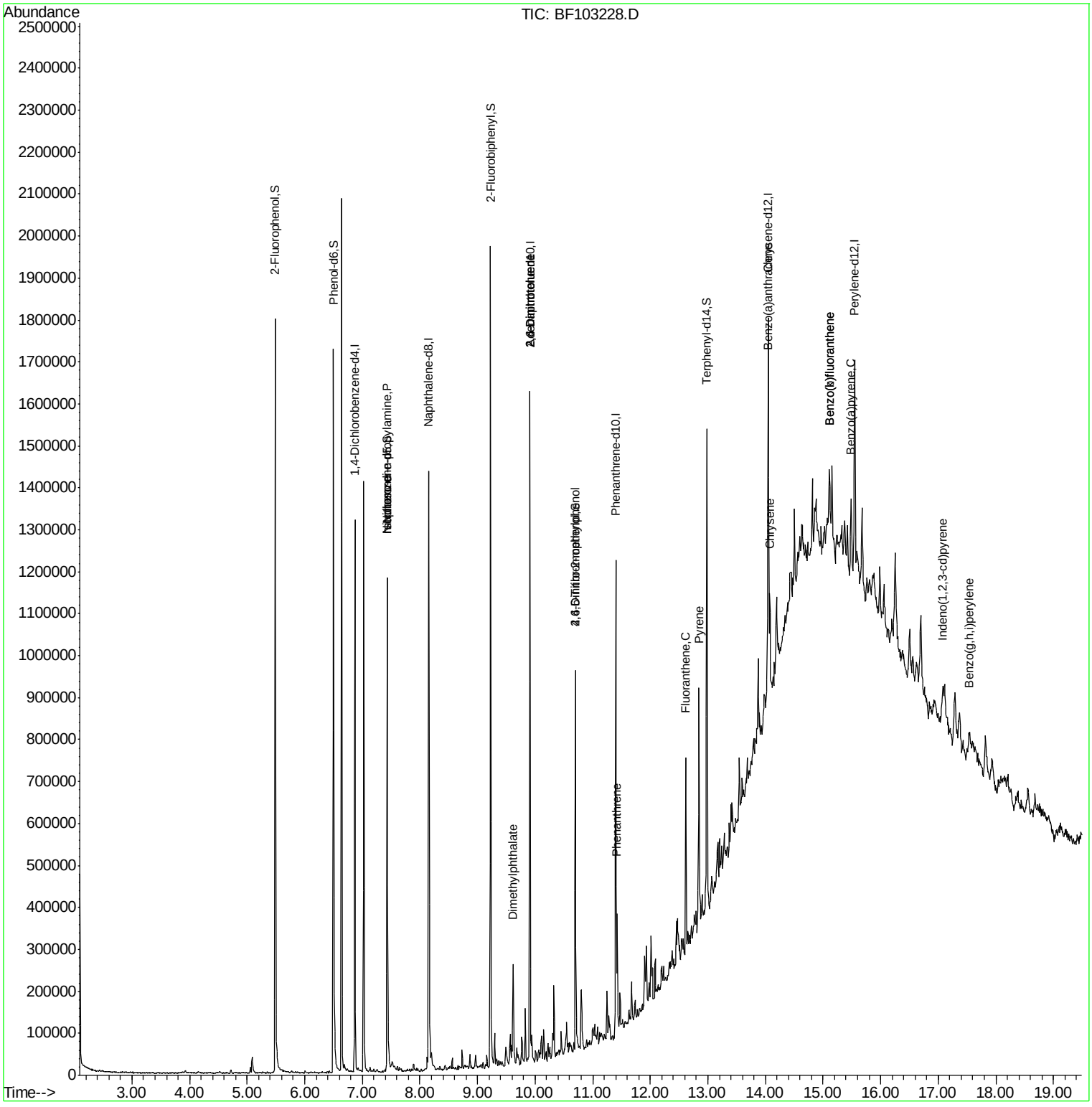
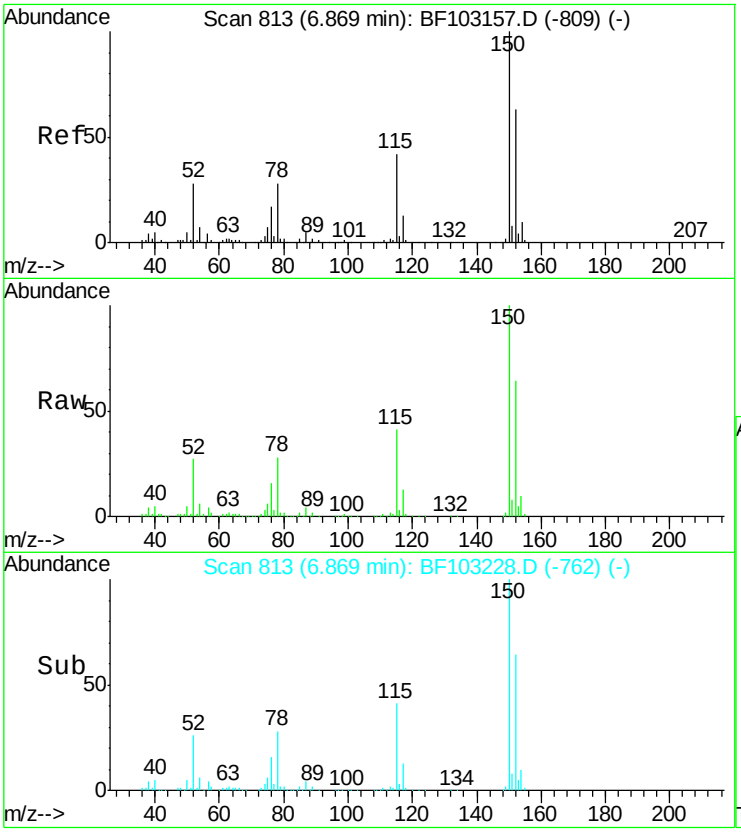


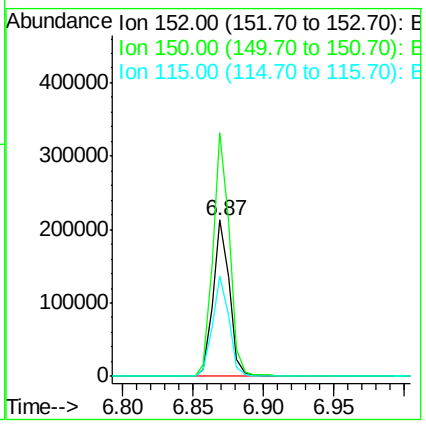


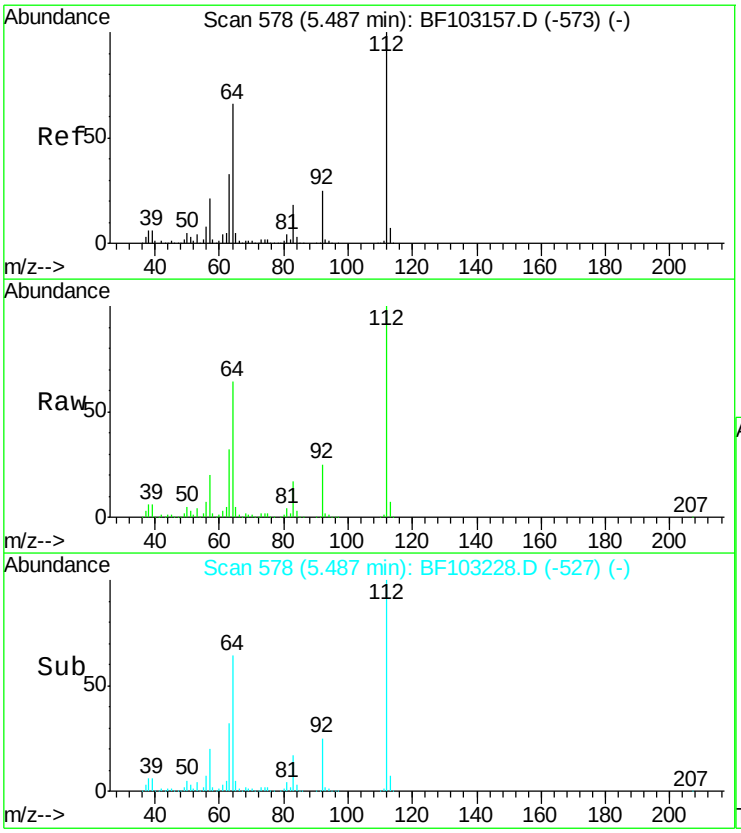
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 170638

Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.6	186.8
115	63.9	50.1	75.1

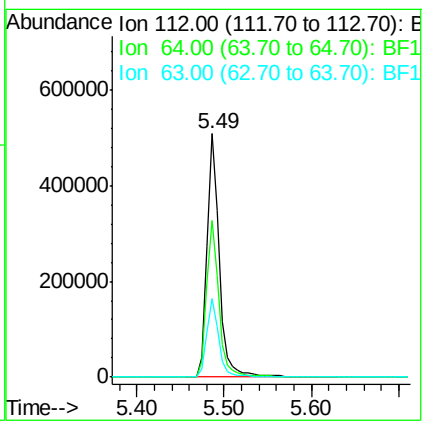


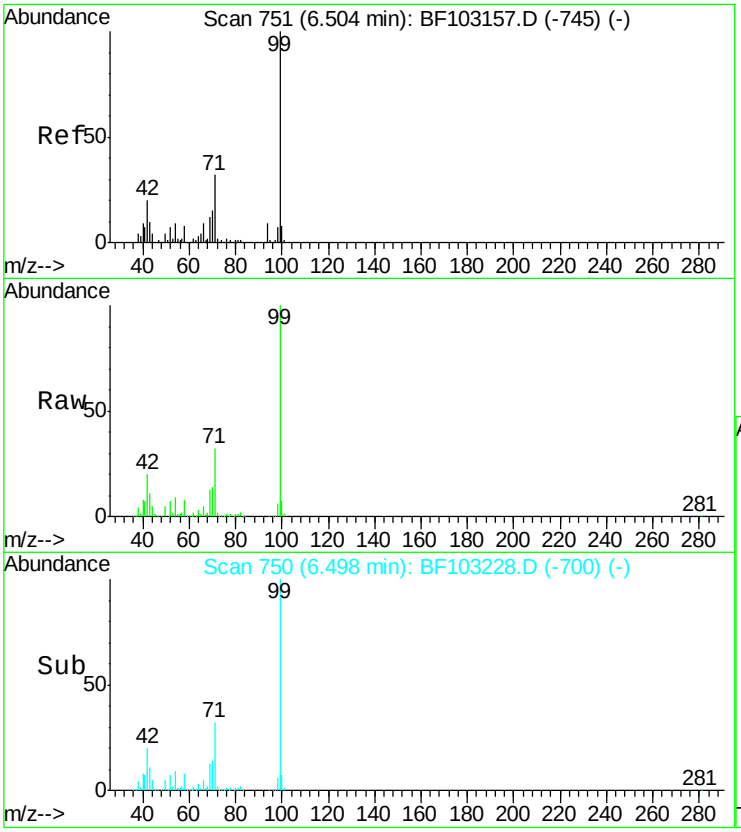


#5
2-Fluorophenol
Concen: 44.56 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.00 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Tgt Ion:112 Resp: 502713

Ion	Ratio	Lower	Upper
112	100		
64	64.2	47.9	71.9
63	32.5	23.7	35.5



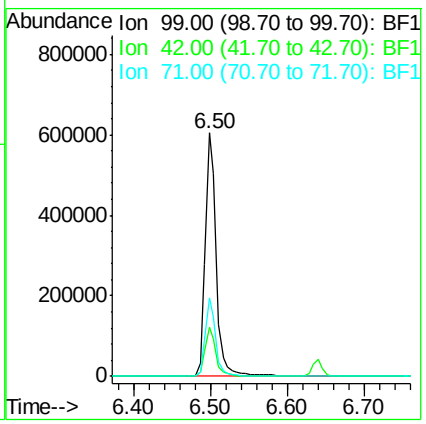


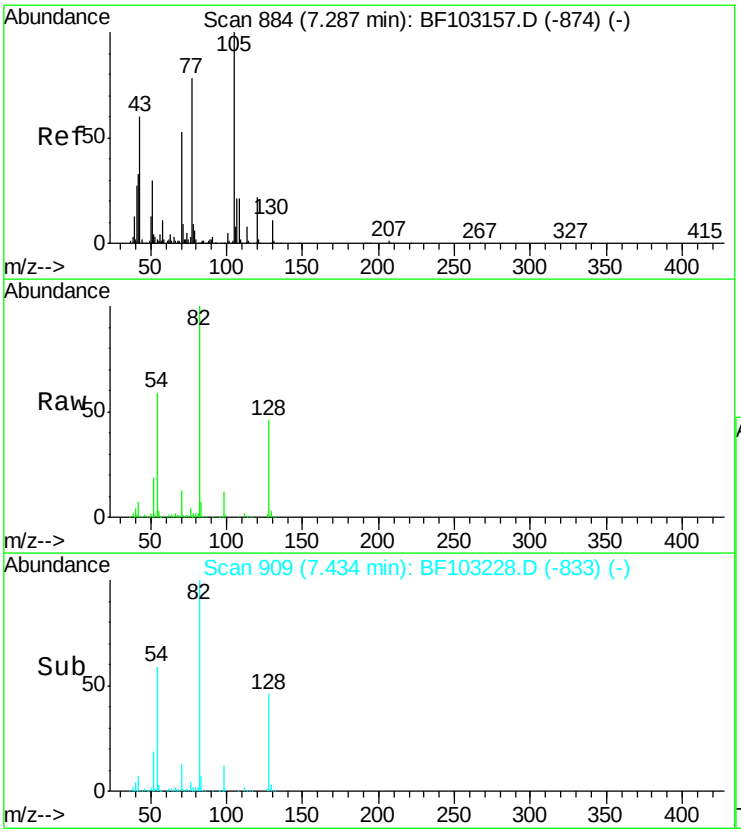
#7
Phenol-d6
Concen: 43.72 ng
RT: 6.50 min Scan# 750
Delta R.T. -0.01 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 603612

Ion	Ratio	Lower	Upper
99	100		
42	20.3	14.5	21.7
71	32.0	25.4	38.0

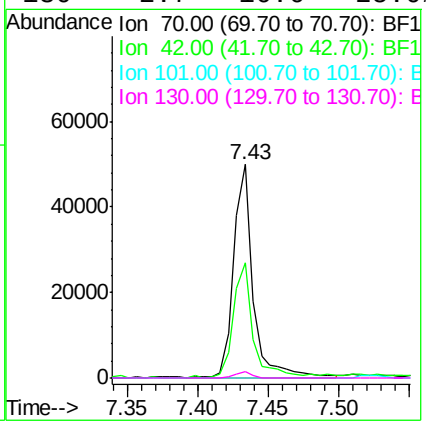


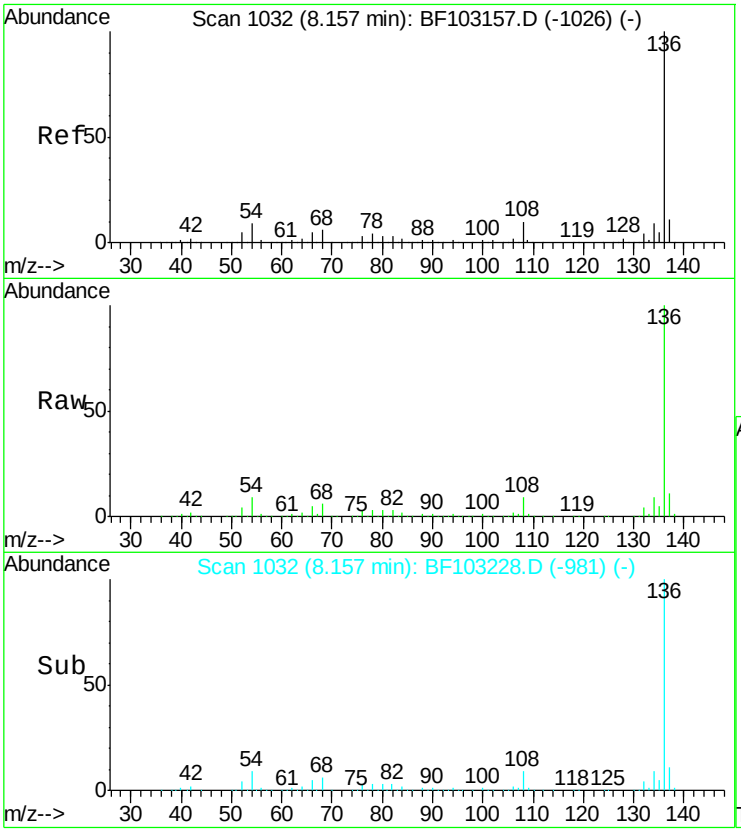


#19
n-Nitroso-di-n-propylamine
Concen: 5.62 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.15 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Tgt Ion: 70 Resp: 48297

Ion	Ratio	Lower	Upper
70	100		
42	53.7	47.5	71.3
101	0.0	7.4	11.2#
130	2.7	16.6	25.0#



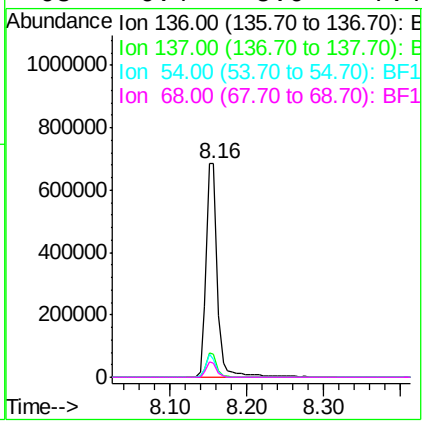


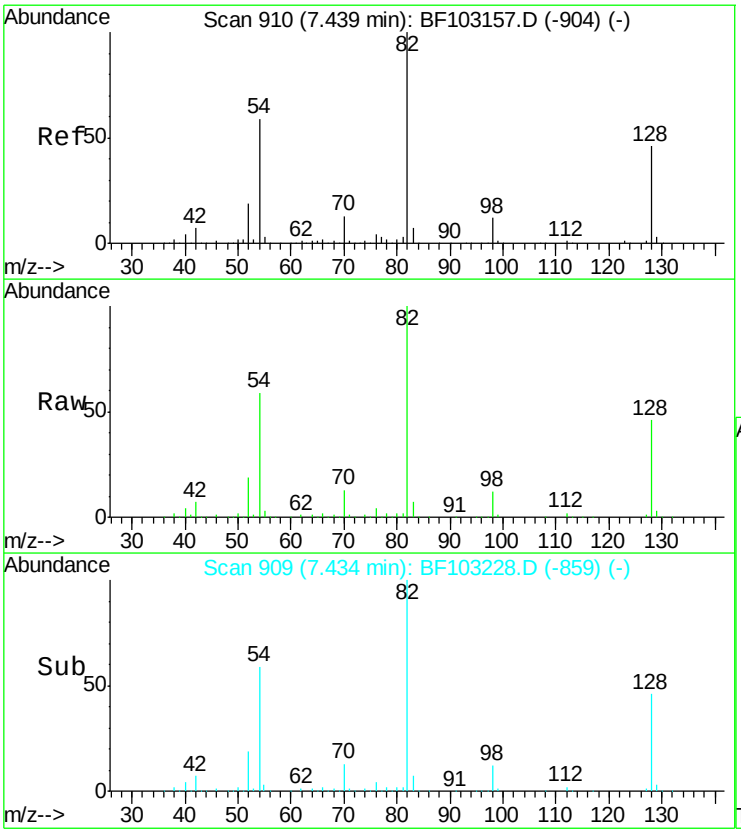
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 704318

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	8.6	6.6	9.8
68	6.4	5.0	7.4

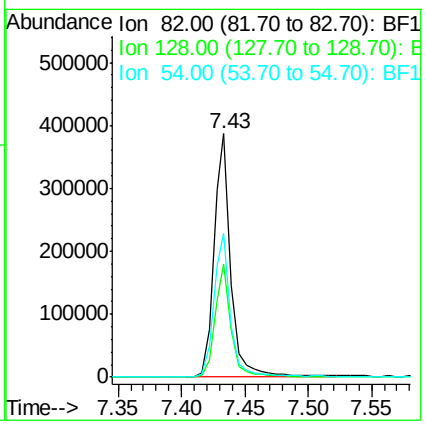


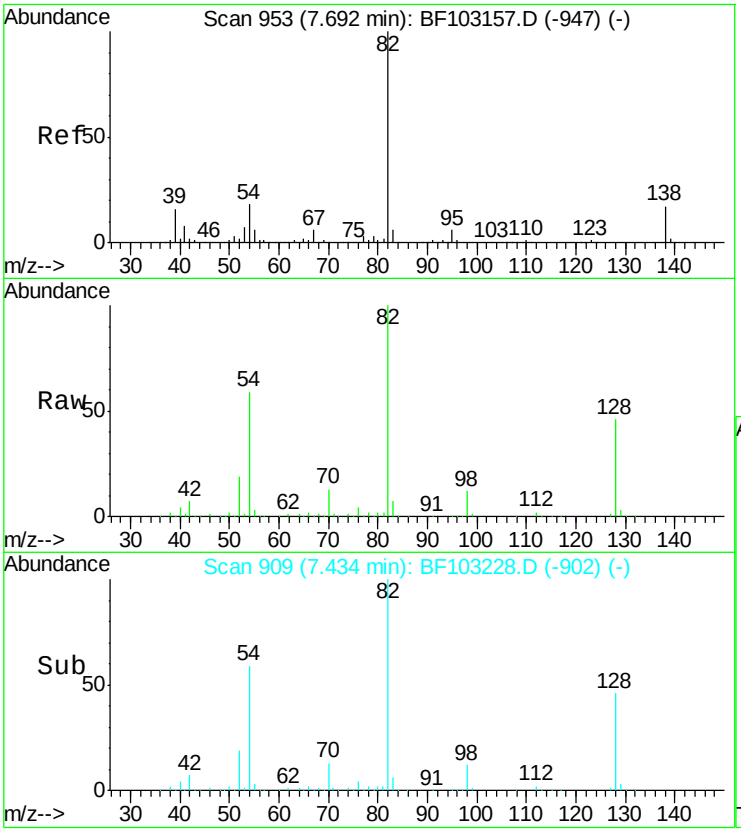


#23
Nitrobenzene-d5
Concen: 29.32 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Tgt Ion: 82 Resp: 361549

Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.1	54.1
54	58.9	41.4	62.2



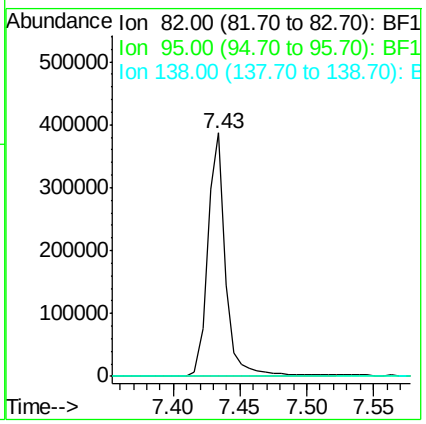


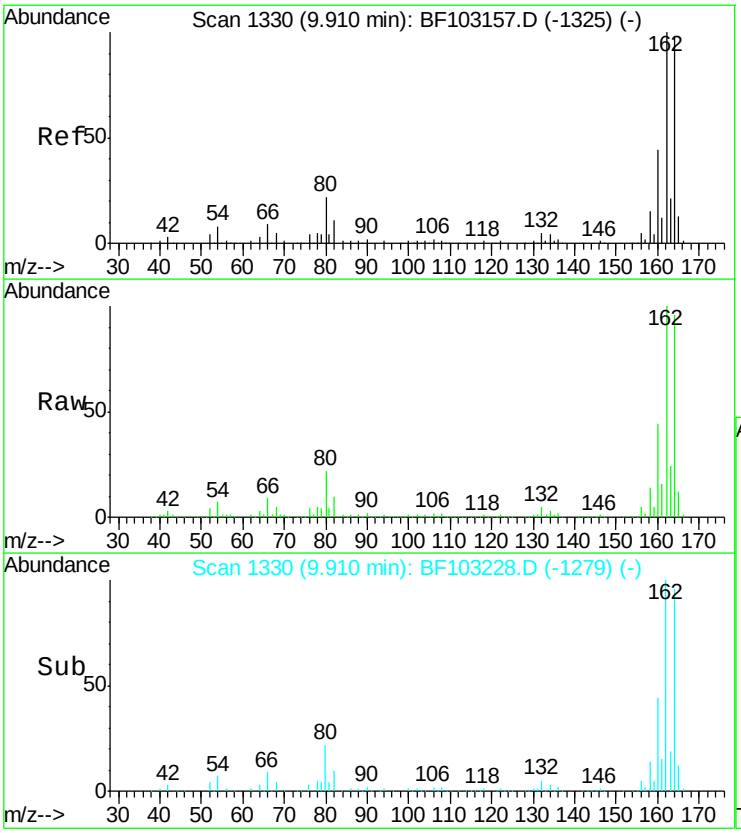
#25
Isophorone
Concen: 14.88 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.26 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 361546

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

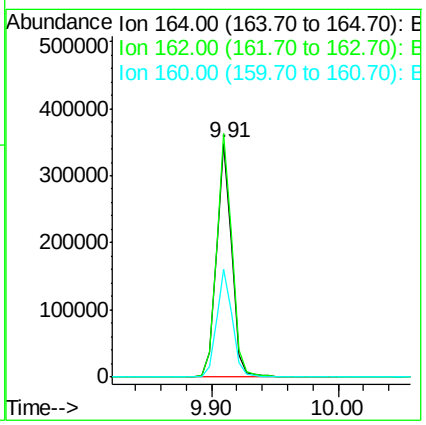


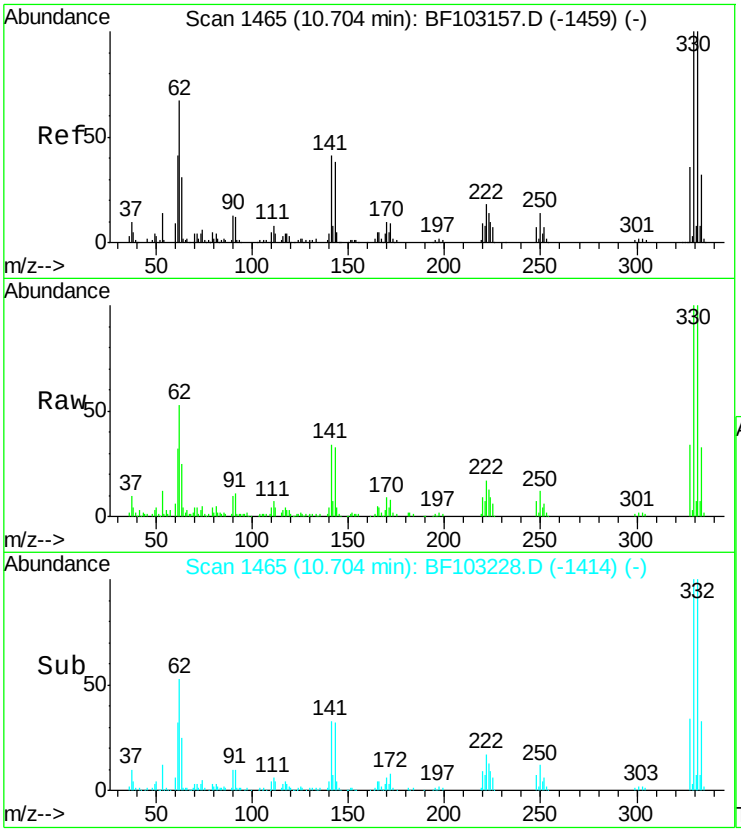


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Tgt Ion:164 Resp: 297913

Ion	Ratio	Lower	Upper
164	100		
162	104.1	86.1	129.1
160	46.0	38.3	57.5



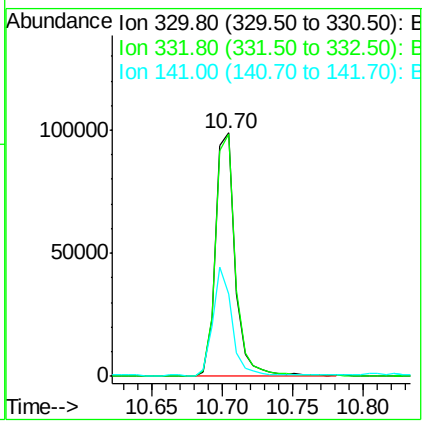


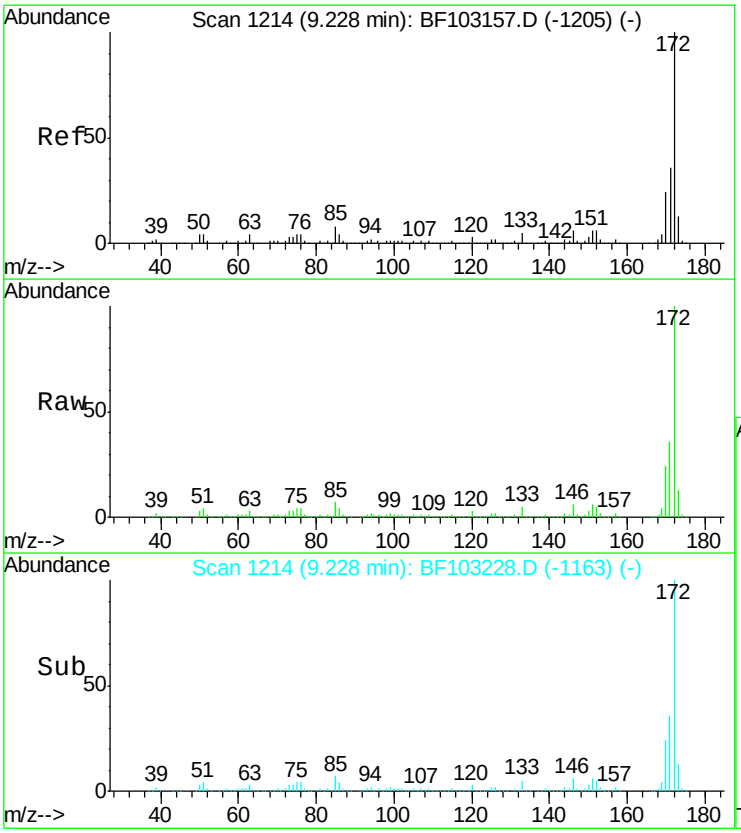
#41
2,4,6-Tribromophenol
Concen: 38.63 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.00 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 97405

Ion	Ratio	Lower	Upper
330	100		
332	101.0	77.0	115.6
141	41.7	29.9	44.9

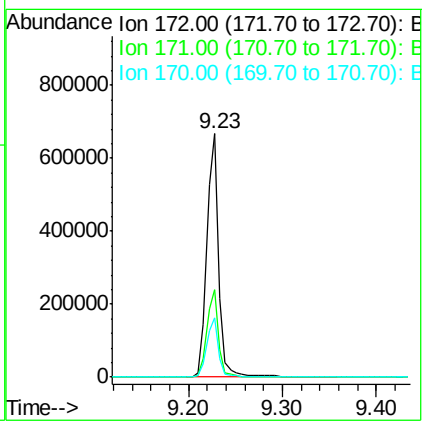


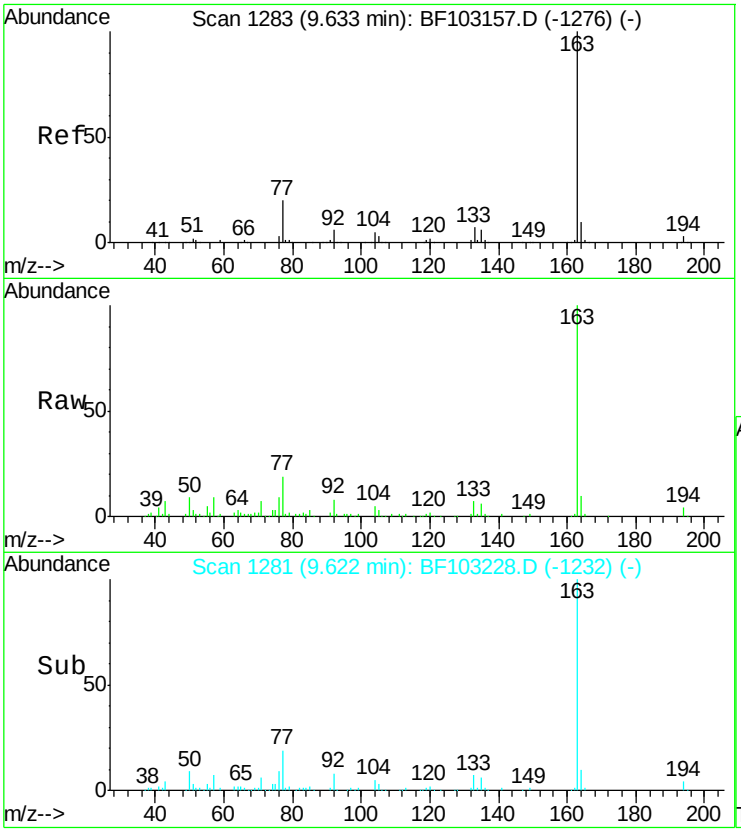


#44
2-Fluorobiphenyl
Concen: 28.65 ng
RT: 9.23 min Scan# 1214
Delta R.T. 0.00 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Tgt Ion:172 Resp: 597623

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.4	19.6	29.4



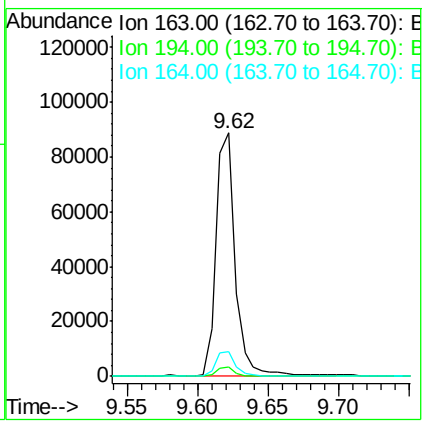


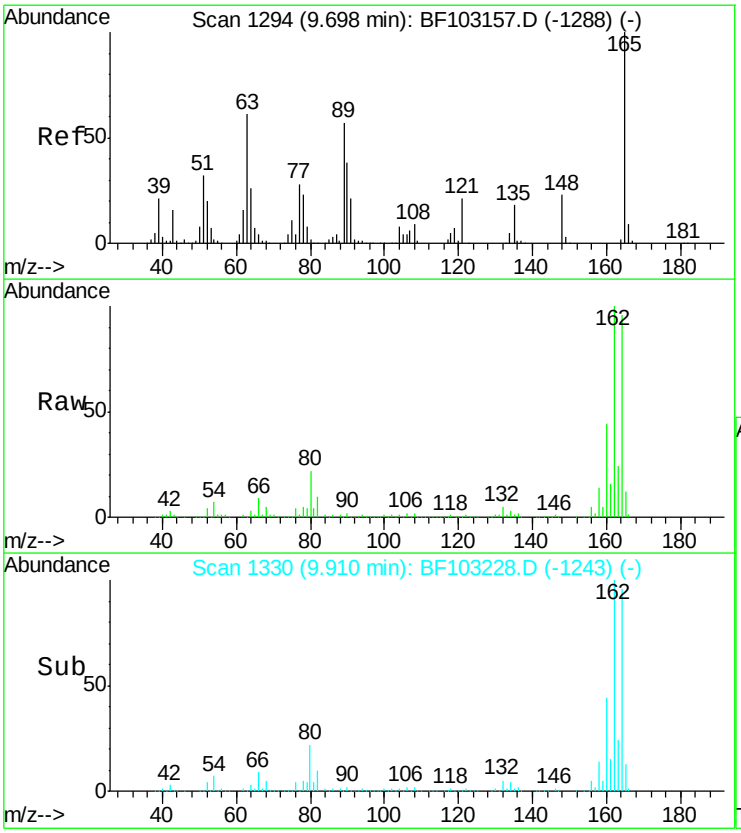
#49
Dimethylphthalate
Concen: 3.55 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:163 Resp: 84736

Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.7	4.1
164	9.9	8.2	12.2

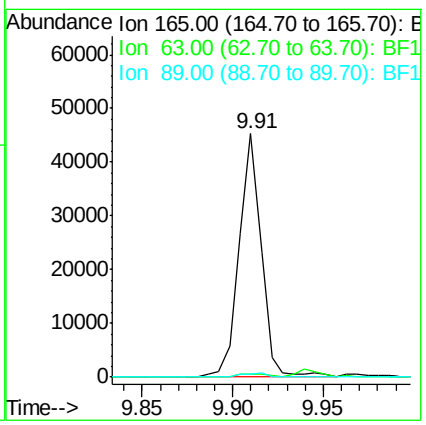


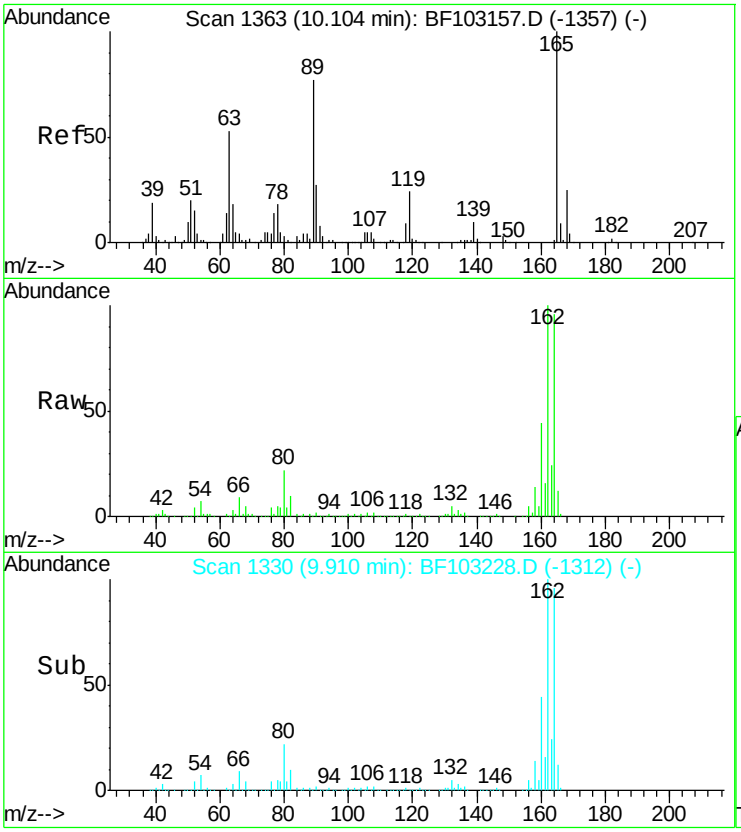


#50
2,6-Dinitrotoluene
Concen: 7.73 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.21 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Tgt Ion:165 Resp: 38757

Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.2	44.0	66.0#



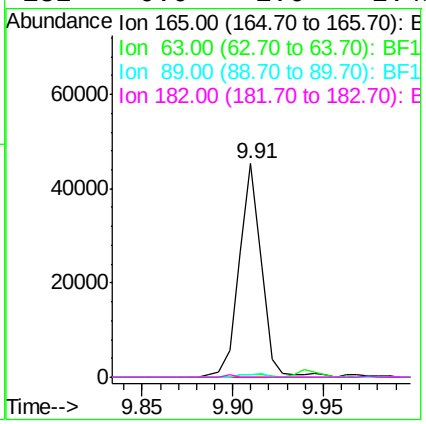


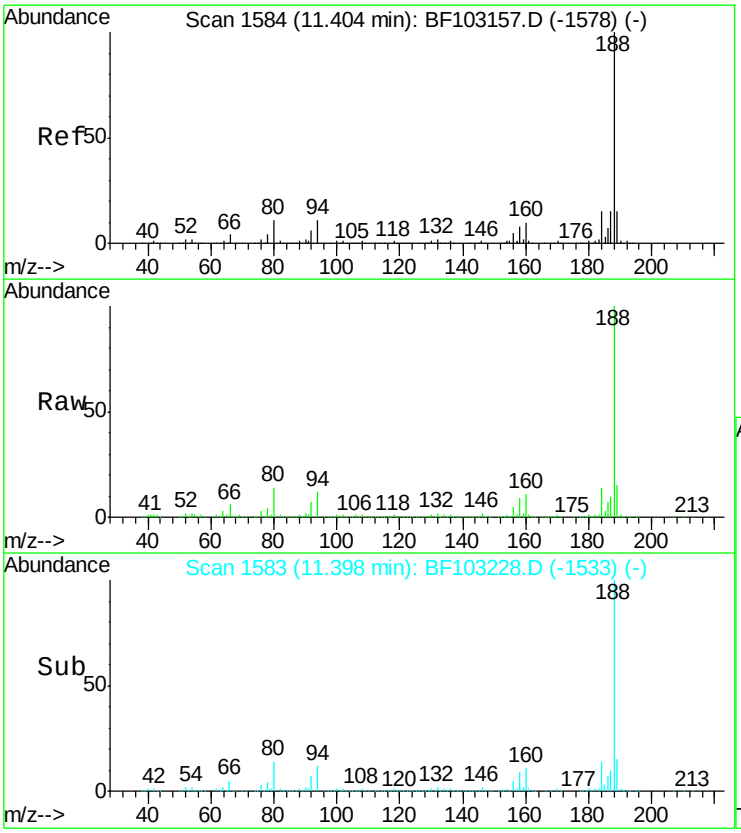
#56
2,4-Dinitrotoluene
Concen: 6.11 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.19 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 38757

Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

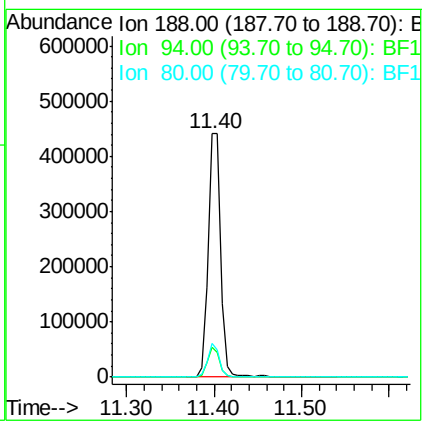


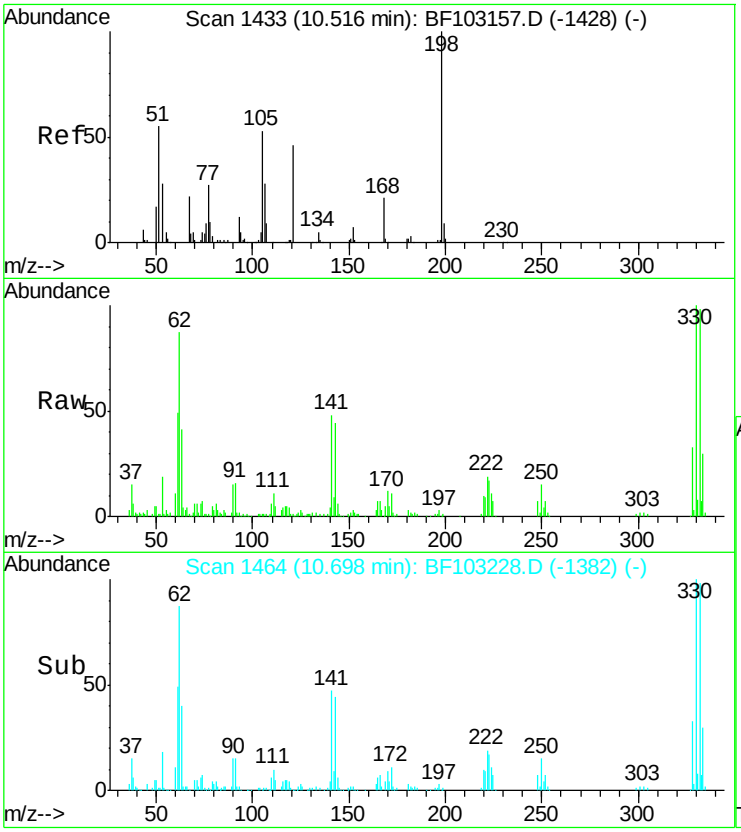


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Tgt Ion:188 Resp: 438929

Ion	Ratio	Lower	Upper
188	100		
94	12.4	8.5	12.7
80	13.7	9.2	13.8



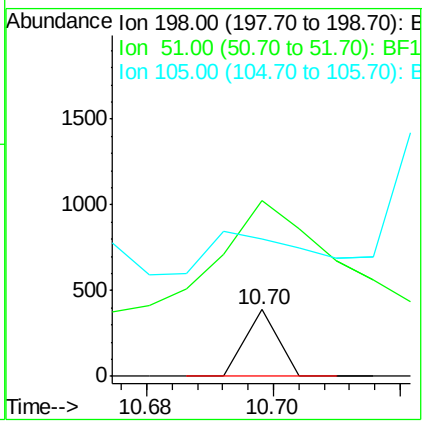


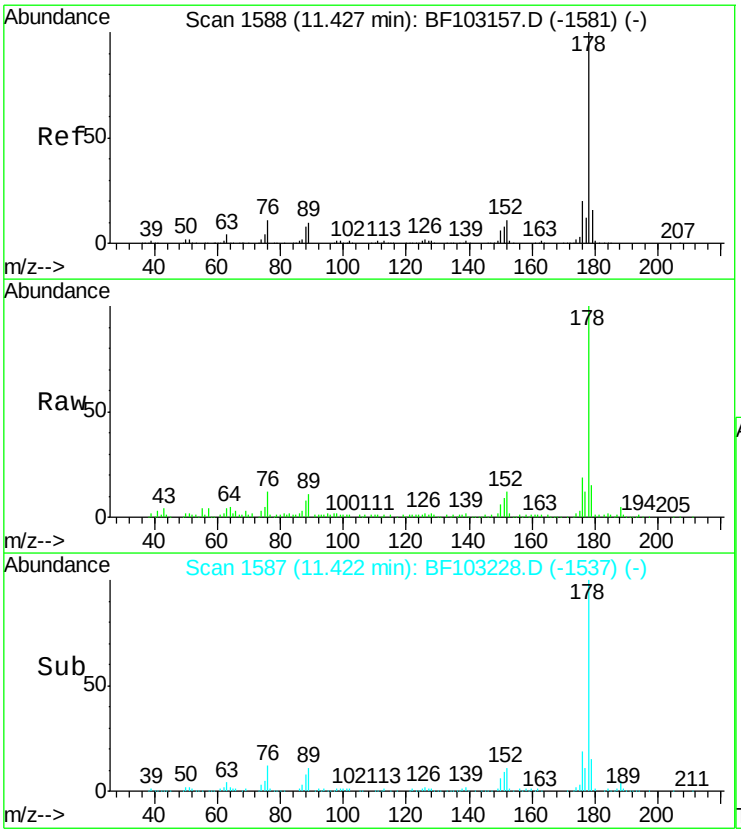
#64
4,6-Dinitro-2-methylphenol
Concen: 4.99 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.18 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:198 Resp: 137

Ion	Ratio	Lower	Upper
198	100		
51	265.9	37.7	77.7#
105	206.2	36.3	76.3#

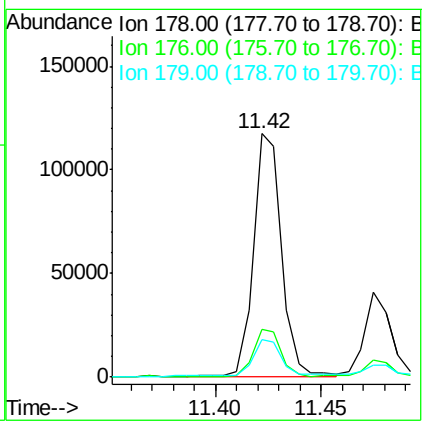


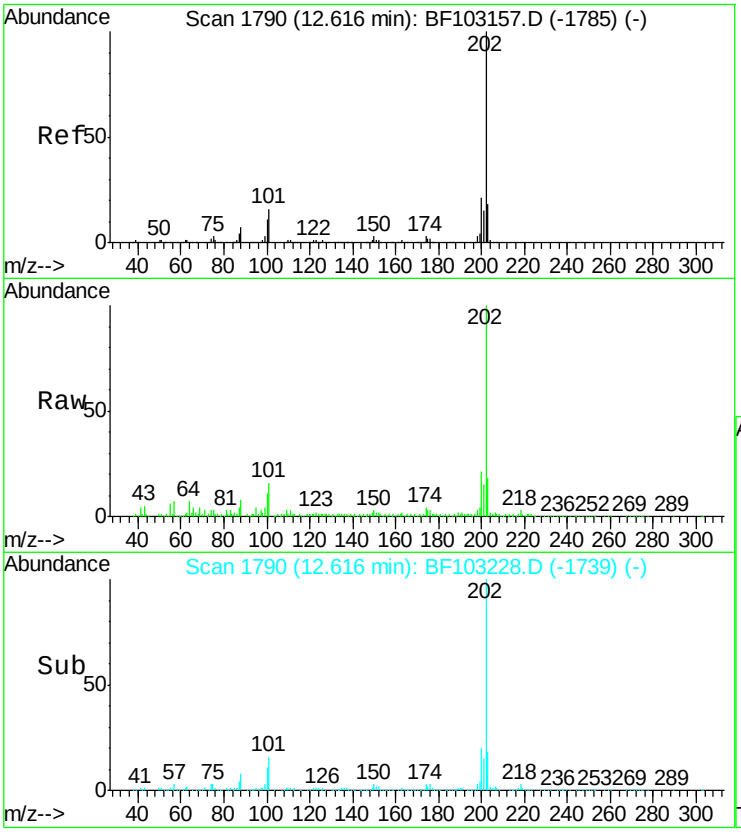


#70
Phenanthrene
Concen: 4.47 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Tgt Ion:178 Resp: 108063

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.3	13.0	19.6



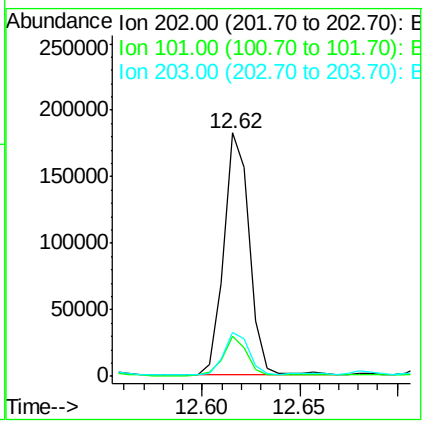


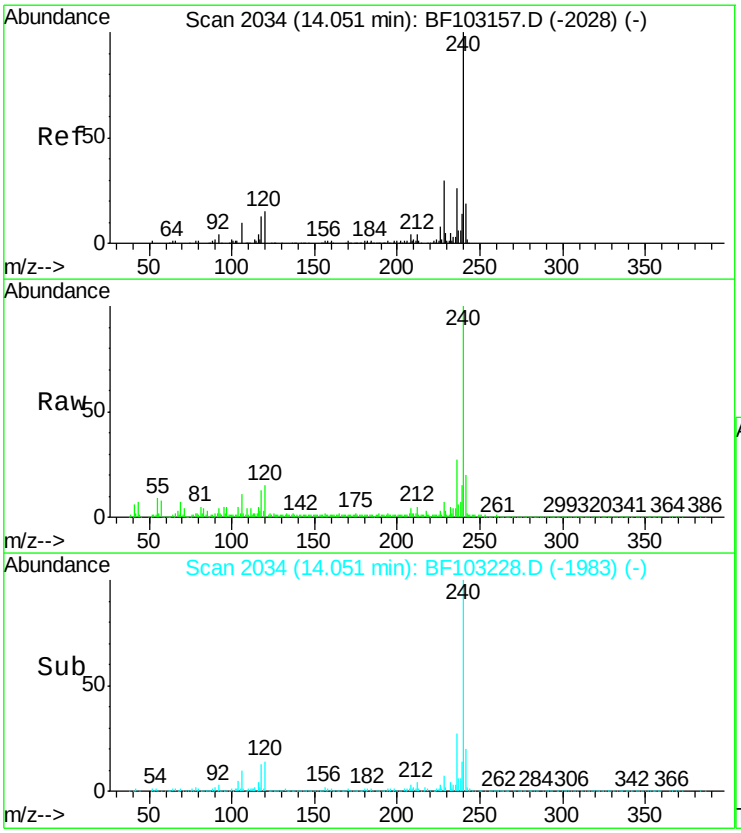
#74
Fluoranthene
Concen: 6.84 ng
RT: 12.62 min Scan# 1790
Delta R.T. 0.00 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 166002

Ion	Ratio	Lower	Upper
202	100		
101	16.5	0.0	34.1
203	18.0	0.0	38.1

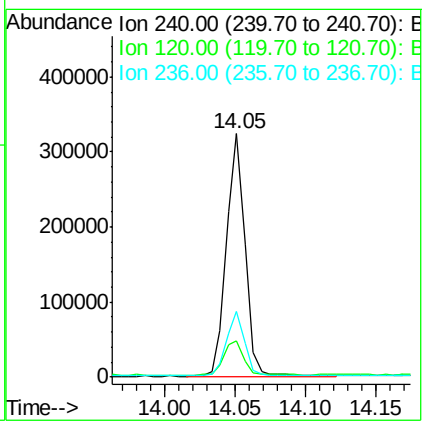


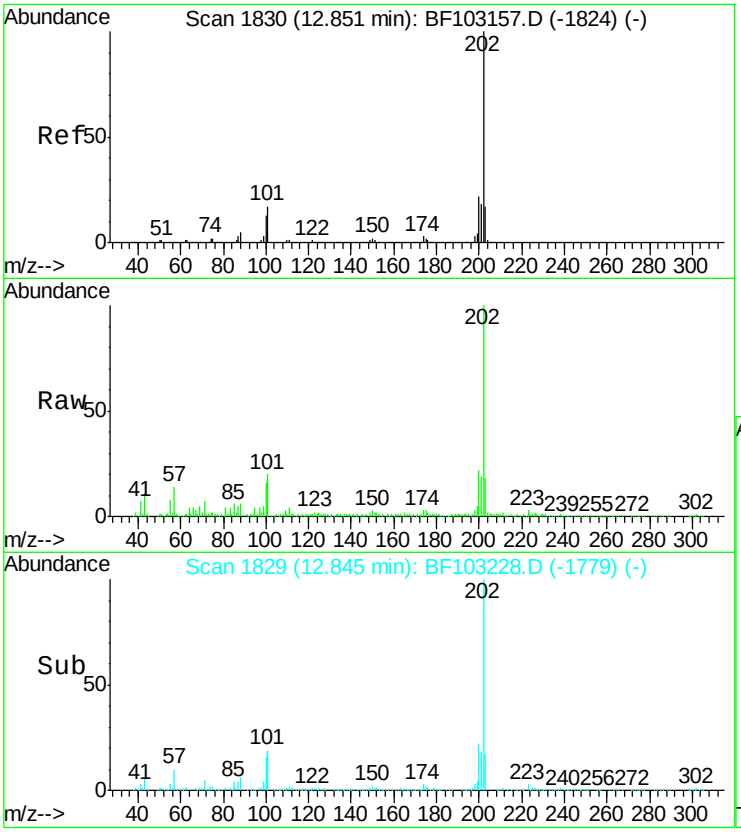


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Tgt Ion:240 Resp: 296098

Ion	Ratio	Lower	Upper
240	100		
120	15.1	9.5	14.3#
236	27.2	20.7	31.1



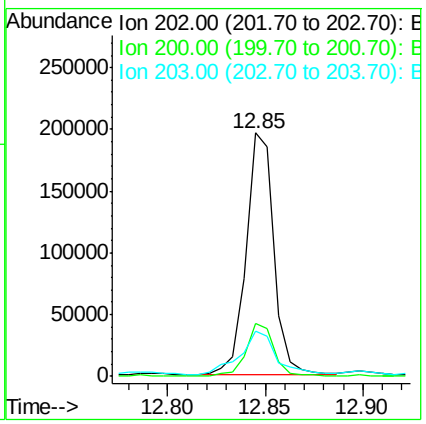


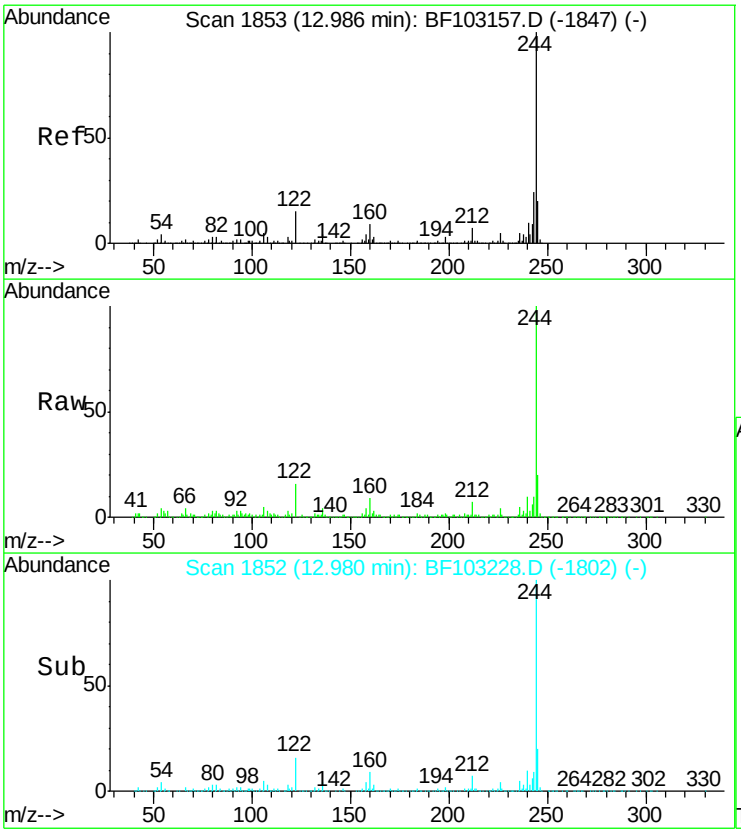
#77
Pyrene
Concen: 8.42 ng
RT: 12.85 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 194445

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	18.4	14.3	21.5

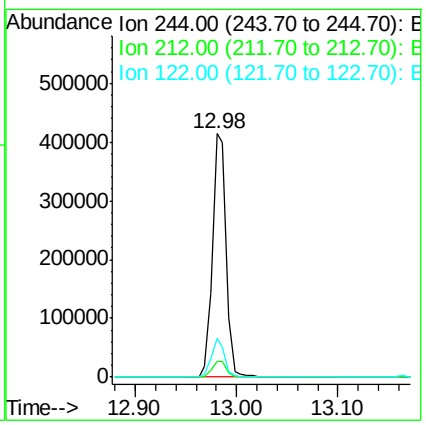


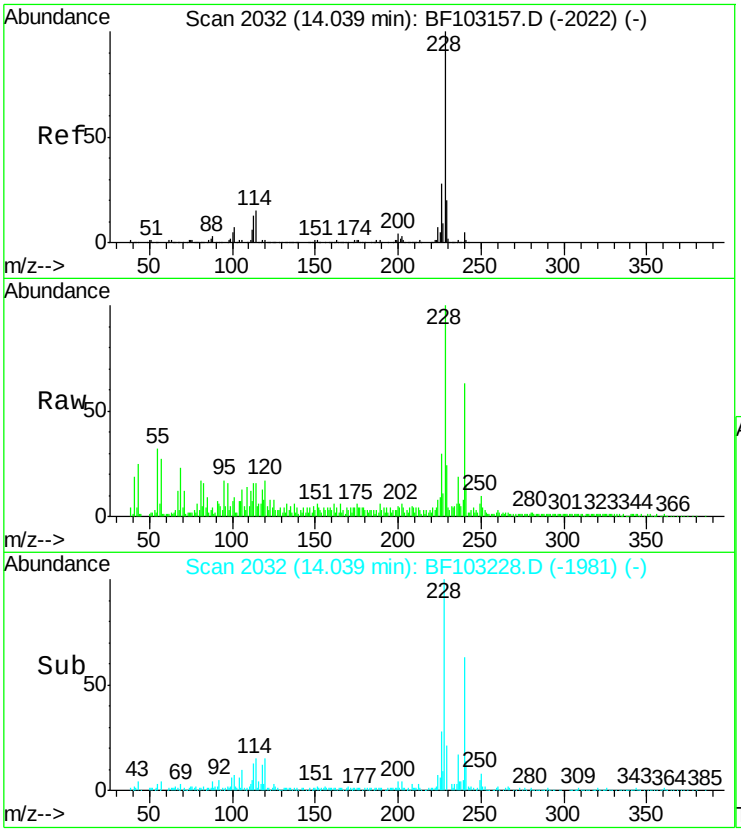


#78
Terphenyl-d14
Concen: 31.76 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Tgt Ion:244 Resp: 391177

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	16.0	11.0	16.4



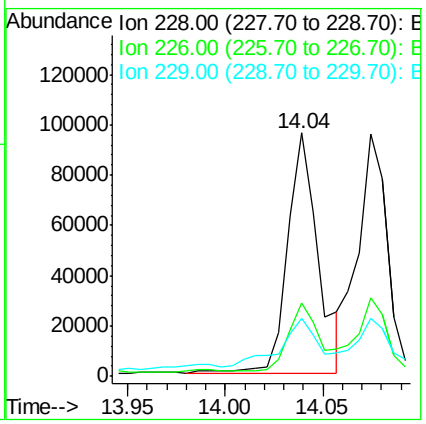


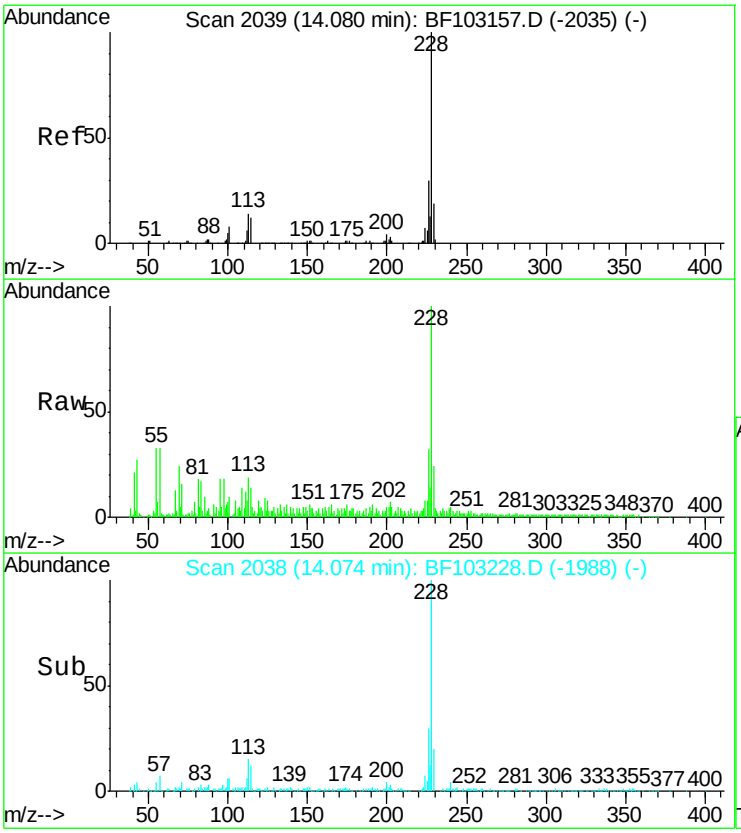
#80
Benzo(a)anthracene
Concen: 5.40 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 103682

Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	24.0	15.8	23.6#

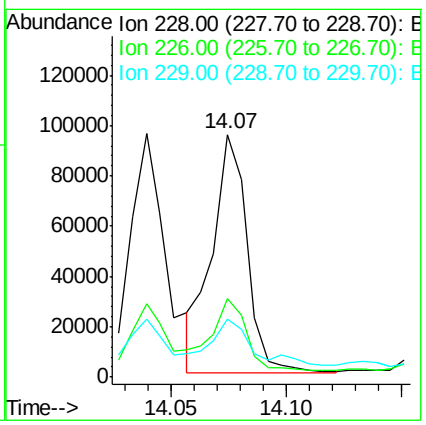


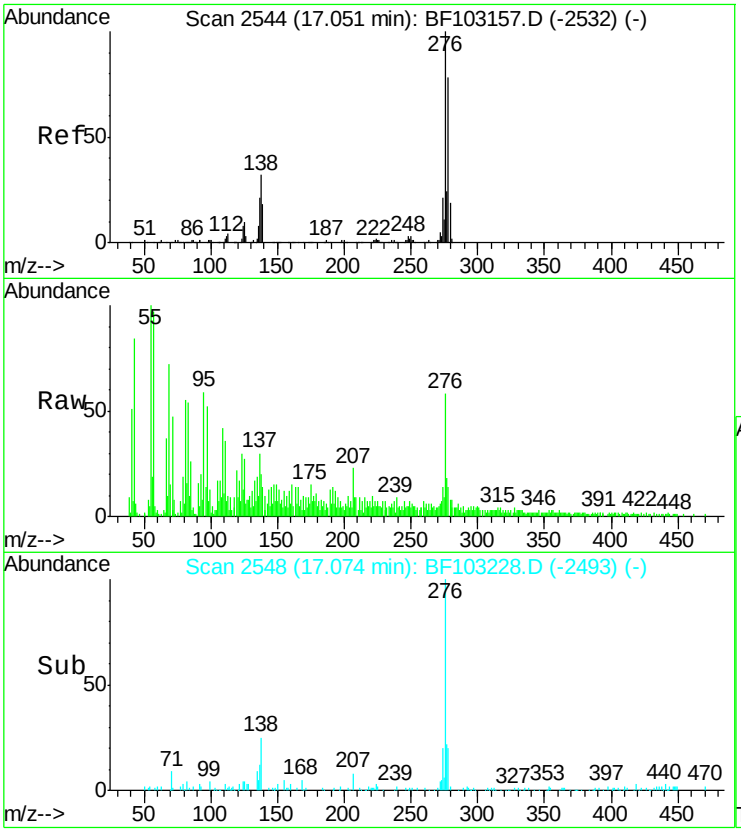


#82
Chrysene
Concen: 5.42 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Tgt Ion:228 Resp: 101049

Ion	Ratio	Lower	Upper
228	100		
226	32.1	25.0	37.6
229	24.0	16.2	24.4



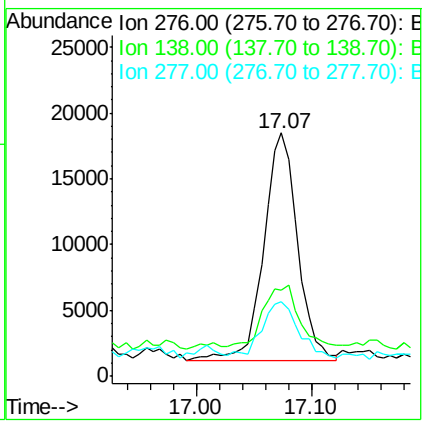


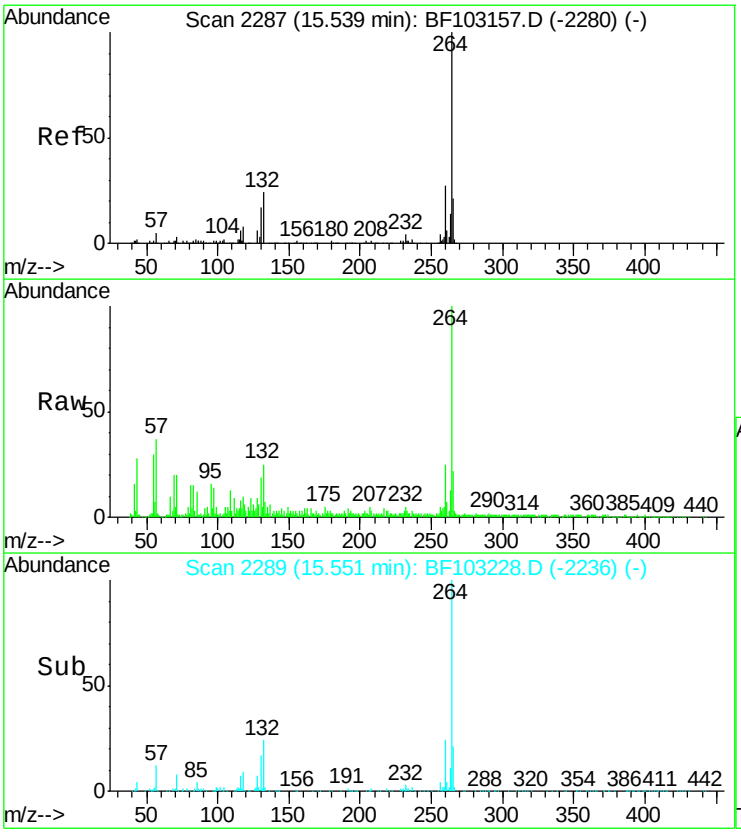
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.39 ng
RT: 17.07 min Scan# 2548
Delta R.T. 0.02 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 35323

Ion	Ratio	Lower	Upper
276	100		
138	28.7	25.0	37.6
277	26.8	20.1	30.1

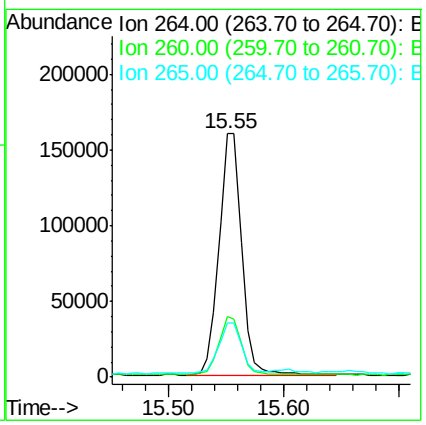


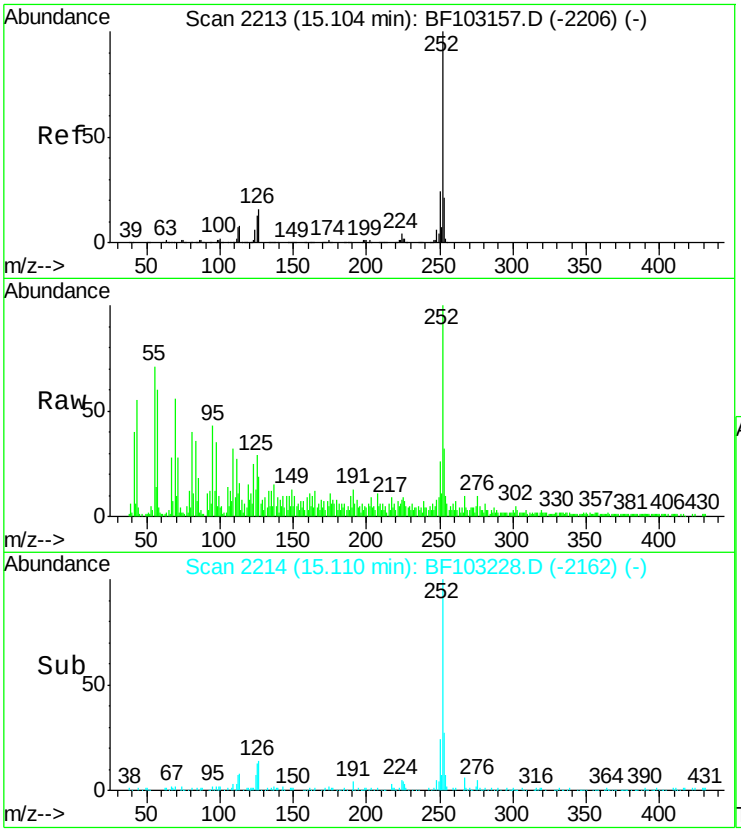


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.55 min Scan# 2289
Delta R.T. 0.01 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Tgt Ion:264 Resp: 218428

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.2	17.5	26.3



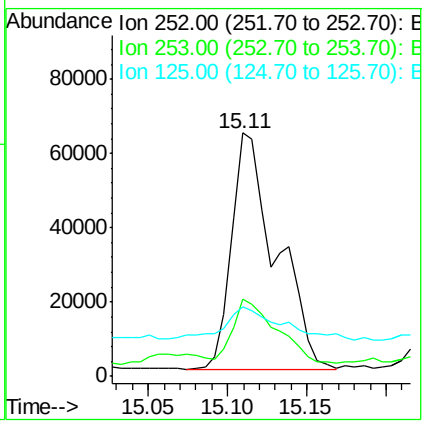


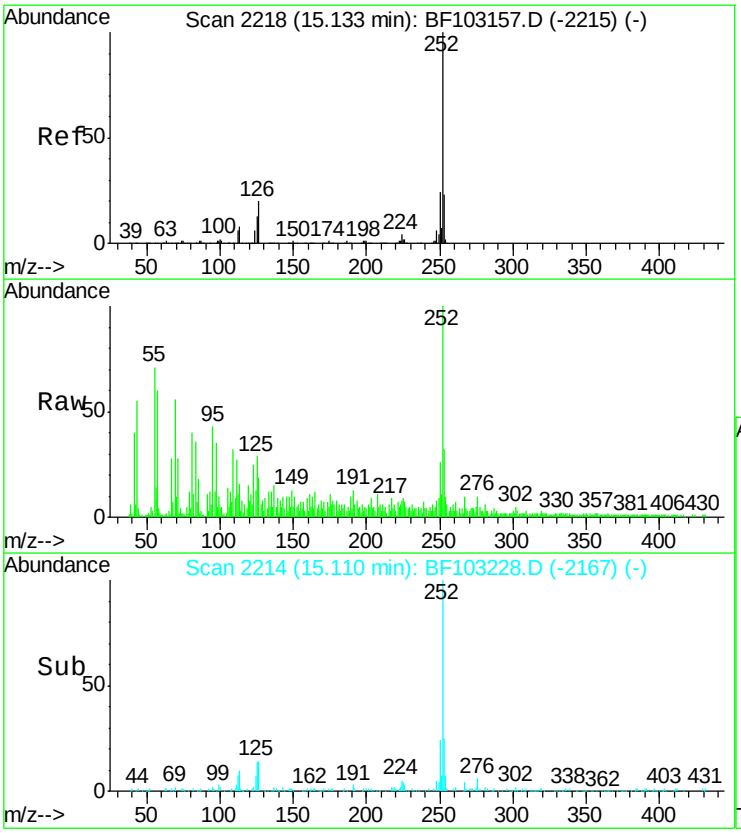
#87
Benzo(b)fluoranthene
Concen: 8.67 ng
RT: 15.11 min Scan# 2214
Delta R.T. 0.01 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 124464

Ion	Ratio	Lower	Upper
252	100		
253	31.9	17.0	25.6#
125	28.8	9.0	13.6#

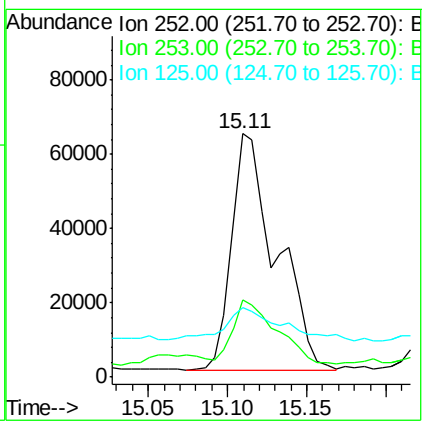


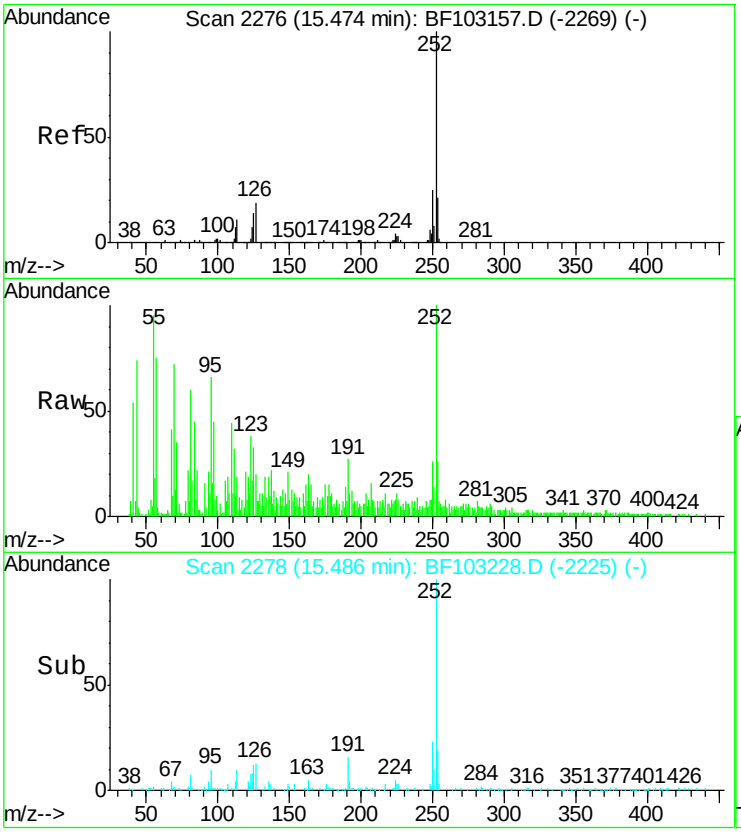


#88
Benzo(k)fluoranthene
Concen: 9.20 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.02 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Tgt Ion:252 Resp: 124464

Ion	Ratio	Lower	Upper
252	100		
253	31.9	17.9	26.9#
125	28.8	10.2	15.2#



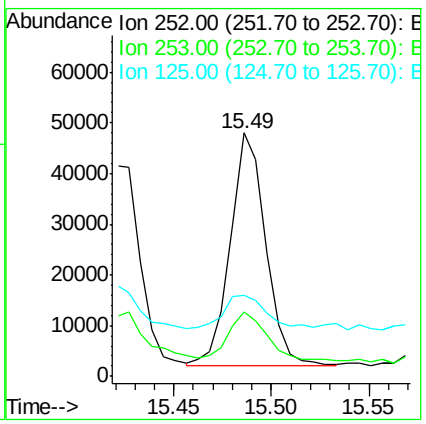


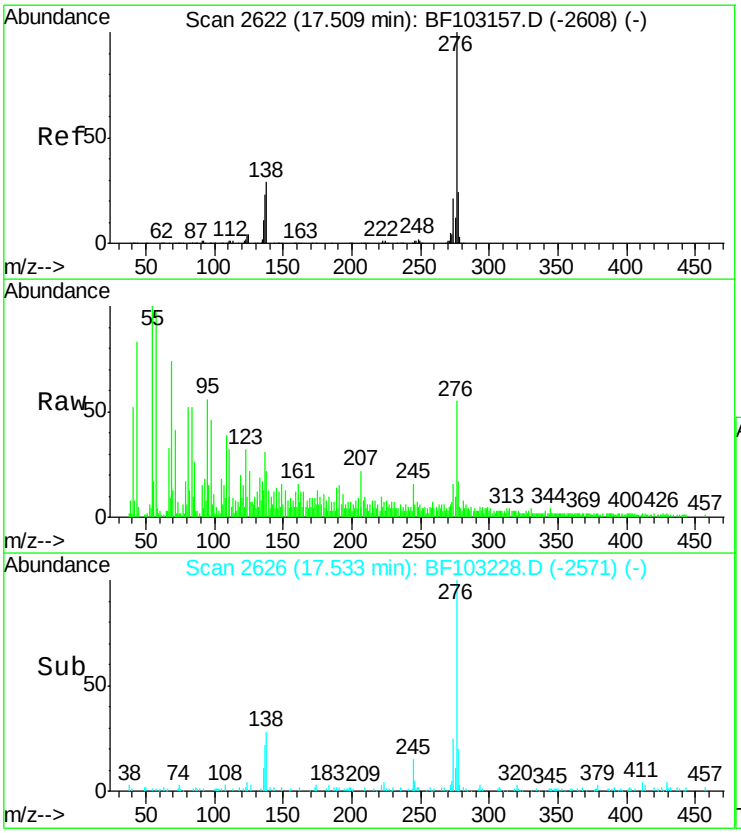
#89
Benzo(a)pyrene
Concen: 4.54 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 58250

Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.1	25.7#
125	33.1	9.8	14.6#





#91
Benzo(g,h,i)perylene
Concen: 3.85 ng
RT: 17.53 min Scan# 2626
Delta R.T. 0.02 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Tgt Ion:276 Resp: 37312

Ion	Ratio	Lower	Upper
276	100		
277	30.5	17.9	26.9#
138	39.7	21.8	32.8#