Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101515.D
Acq On : 19 Dec 2017 9:43
Operator : SJ/JU
Sample : I6877-04DL2 10X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-7(13-15)DL2

Quant Time: Dec 19 10:25:19 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 18 15:38:59 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	136727	20.00	ng		0.00
21) Naphthalene-d8	8.09	136	506120	20.00	ng		0.00
38) Acenaphthene-d10	9.85	164	188122	20.00	ng		0.00
63) Phenanthrene-d10	11.34	188	284761	20.00	ng		0.00
75) Chrysene-d12	13.99	240	286418	20.00	ng		0.00
86) Perylene-d12	15.46	264	276445	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.44	112	104879	11.43	ng		0.02
7) Phenol-d6	6.46	99	131139	11.48	ng		0.00
23) Nitrobenzene-d5	7.38	82	70387	7.74	ng		0.00
41) 2,4,6-Tribromophenol	10.65	330	16229	8.95	ng		0.00
44) 2-Fluorobiphenyl	9.16	172	117883	9.72	ng		0.00
78) Terphenyl-d14	12.92	244	75006	6.31	ng		0.00
Target Compounds							Qvalue
25) Isophorone	7.38	82	70387	3.859	ng	#	64
32) Benzoic acid	7.92	122	746	8.087	ng	#	1
50) 2,6-Dinitrotoluene	9.85	165	24374	7.925	ng	#	25
51) Acenaphthene	9.88	154	25213	2.081	ng		97
55) 4-Nitrophenol	10.06	139	5886	3.520	ng	#	9
56) 2,4-Dinitrotoluene	9.85	165	24374	7.034	ng	#	23
70) Phenanthrene	11.36	178	264962	16.732	ng		99
71) Anthracene	11.42	178	85046	5.258	ng		98
72) Carbazole	11.58	167	44628	2.947	ng		99
74) Fluoranthene	12.56	202	412962	24.844	ng		97
77) Pyrene	12.79	202	413080	19.217	ng		99
80) Benzo(a)anthracene	13.98	228	341380	18.050	ng		100
82) Chrysene	14.02	228	271958	15.230	ng		97
85) Indeno(1,2,3-cd)pyrene	16.94	276	244812	15.395	ng	#	90
87) Benzo(b)fluoranthene	15.03	252	609016	36.143	ng		96
88) Benzo(k)fluoranthene	15.03	252	609016	37.174	ng		99
89) Benzo(a)pyrene	15.40	252	411570	26.496	ng		97
90) Dibenzo(a,h)anthracene	17.11	278	60017	4.500	ng		95
91) Benzo(g,h,i)perylene	17.39	276	221541	16.776	ng		93

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

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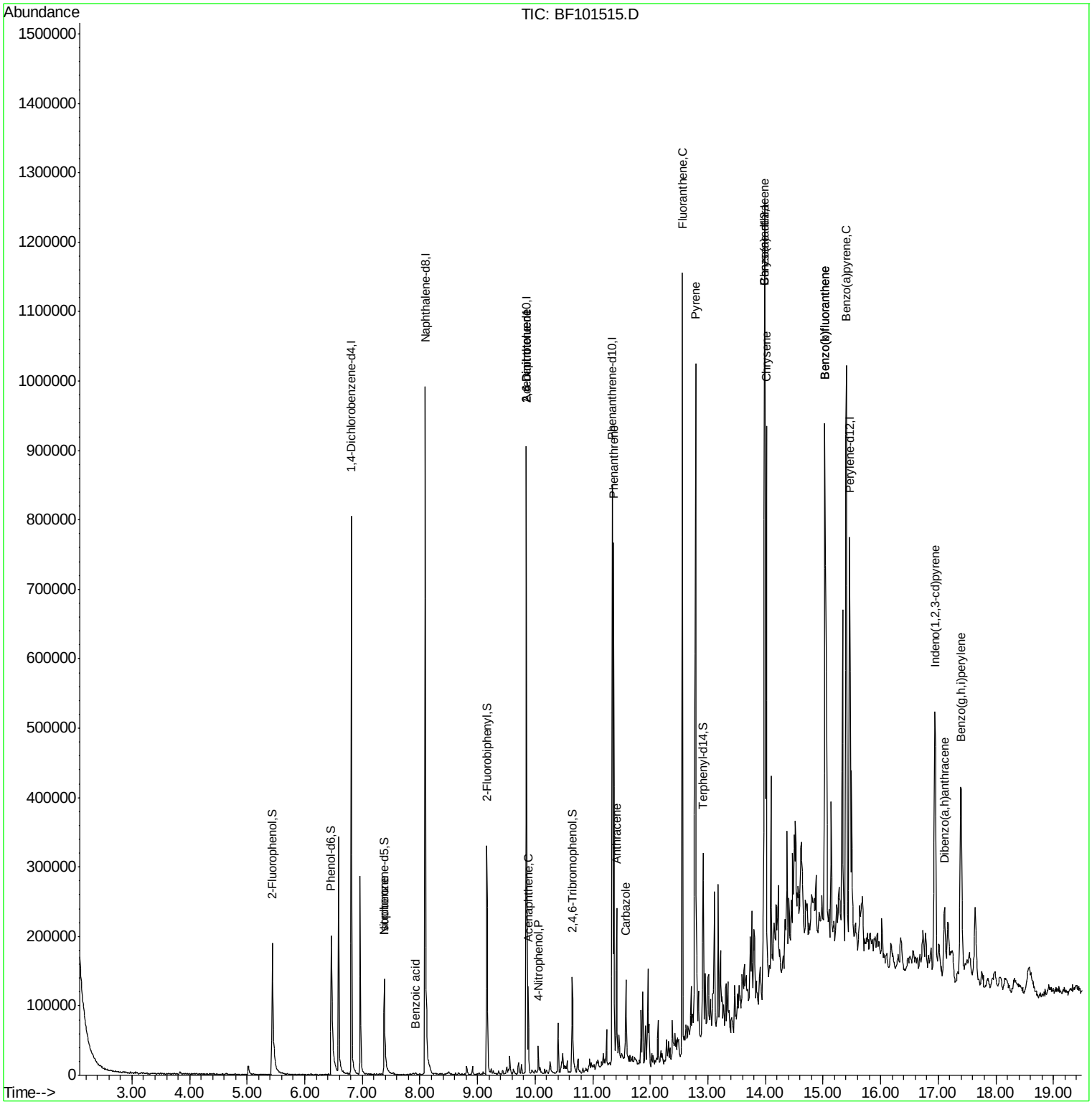
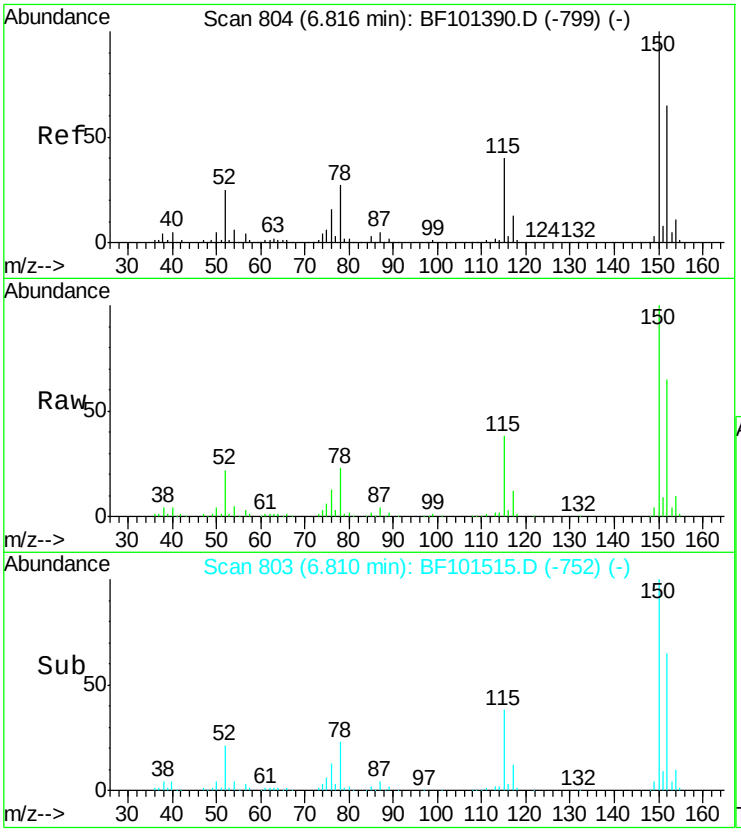


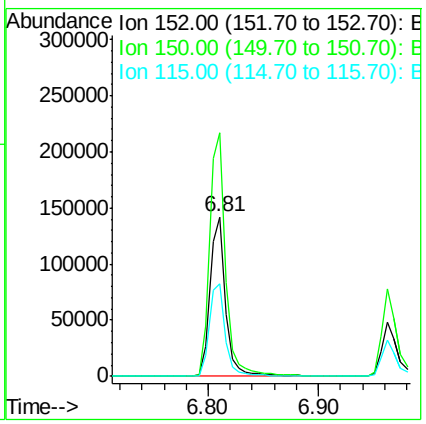


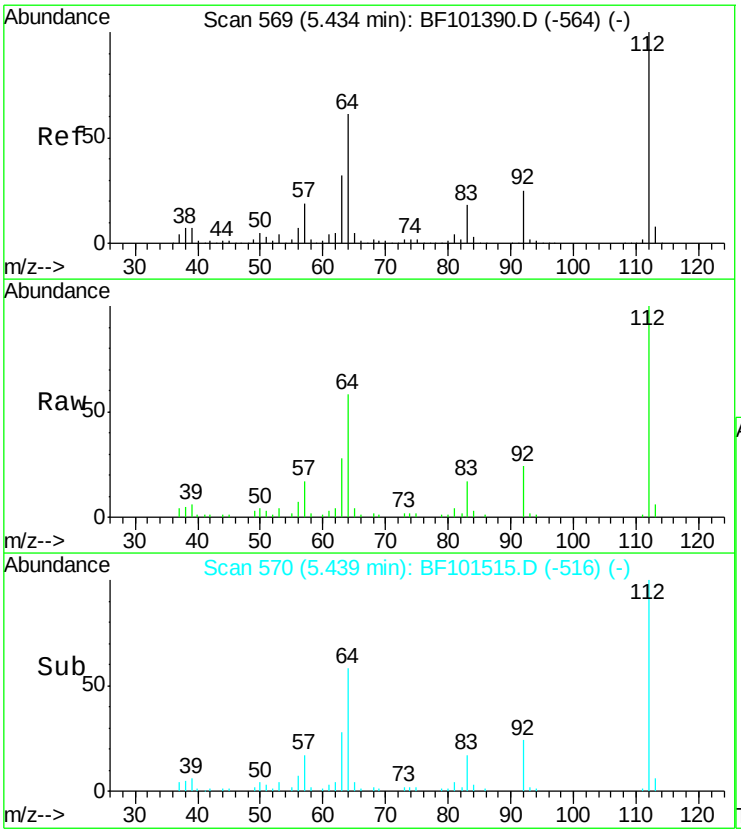
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Instrument :
BNA_F
ClientSampleId :
SB-7(13-15)DL2

Tgt Ion:152 Resp: 136727

Ion	Ratio	Lower	Upper
152	100		
150	152.8	124.6	186.8
115	58.1	50.1	75.1

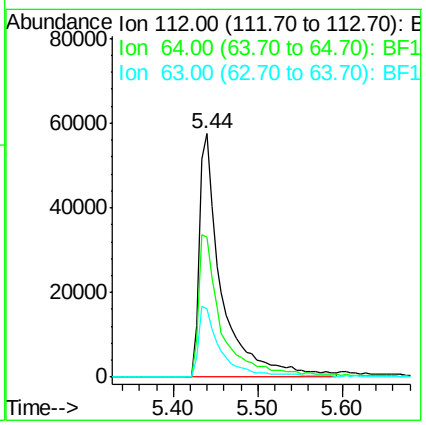


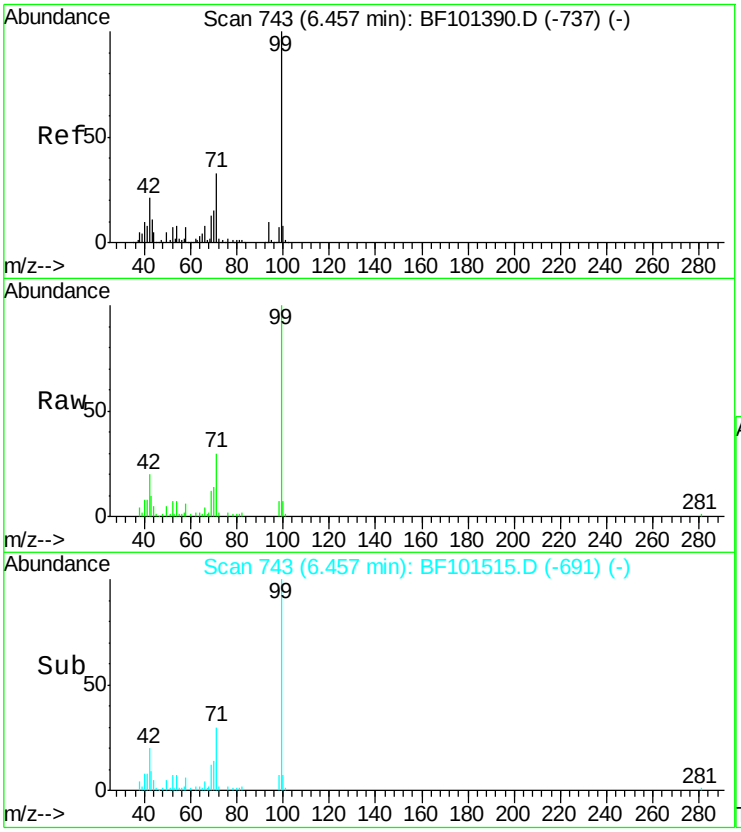


#5
2-Fluorophenol
Concen: 11.426 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.02 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Tgt Ion:112 Resp: 104879

Ion	Ratio	Lower	Upper
112	100		
64	57.7	47.9	71.9
63	28.1	23.7	35.5



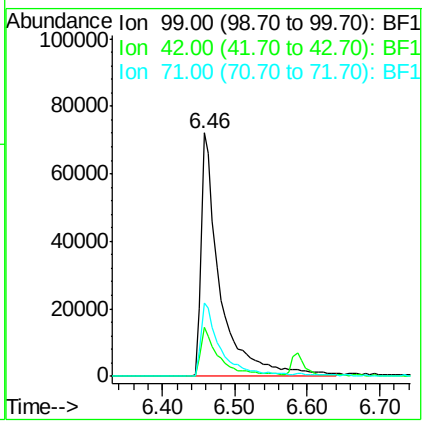


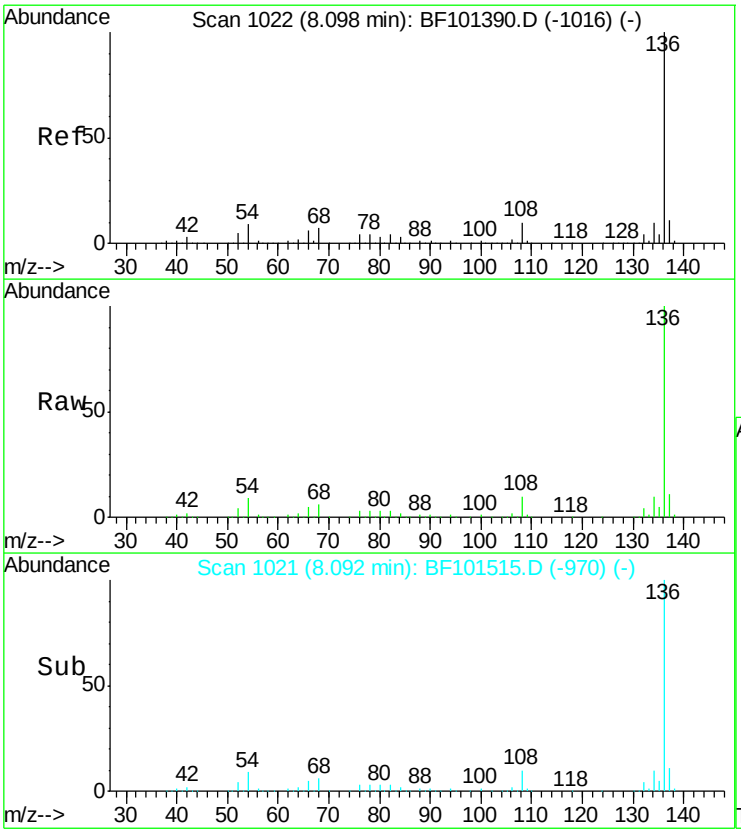
#7
Phenol-d6
Concen: 11.480 ng
RT: 6.46 min Scan# 743
Delta R.T. 0.01 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Instrument :
BNA_F
ClientSampleId :
SB-7(13-15)DL2

Tgt Ion: 99 Resp: 131139

Ion	Ratio	Lower	Upper
99	100		
42	20.2	14.5	21.7
71	30.0	25.4	38.0

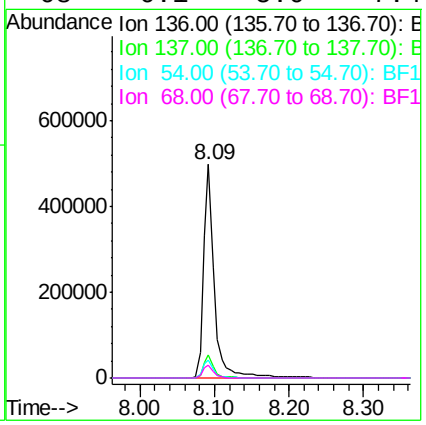


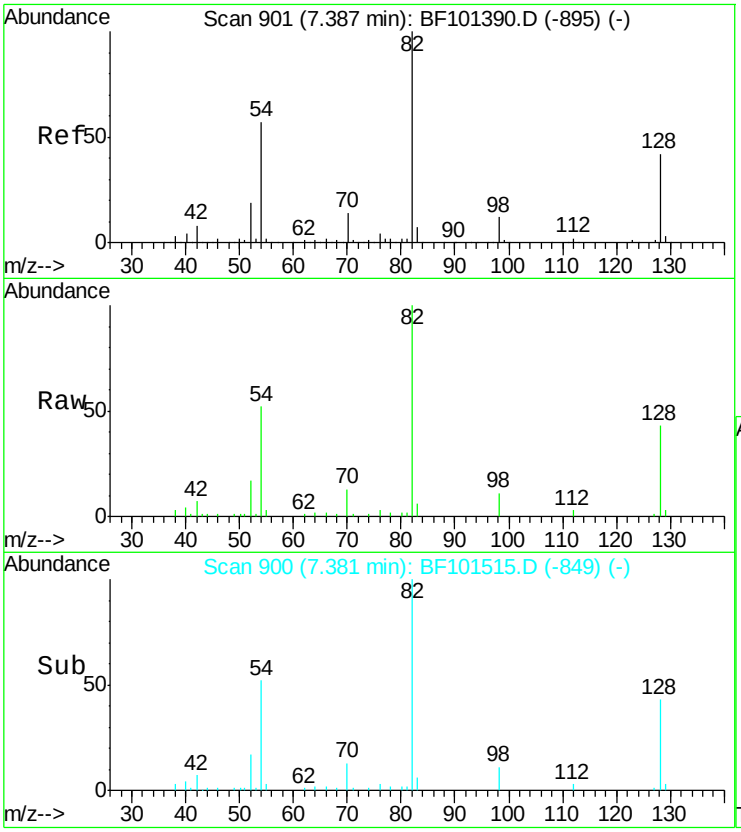


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Tgt Ion:136 Resp: 506120

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.7	6.6	9.8
68	6.1	5.0	7.4



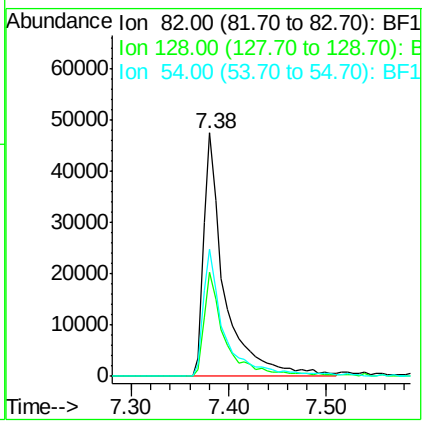


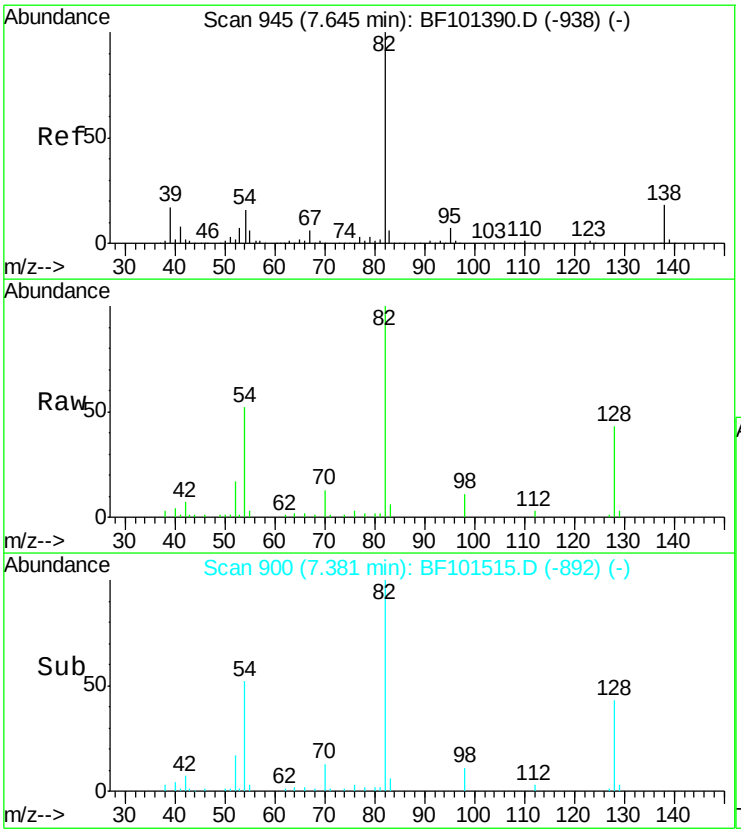
#23
Nitrobenzene-d5
Concen: 7.742 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.00 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Instrument :
BNA_F
ClientSampleId :
SB-7(13-15)DL2

Tgt Ion: 82 Resp: 70387

Ion	Ratio	Lower	Upper
82	100		
128	42.6	36.1	54.1
54	52.0	41.4	62.2

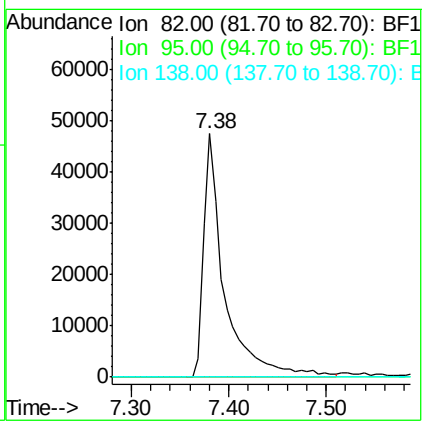


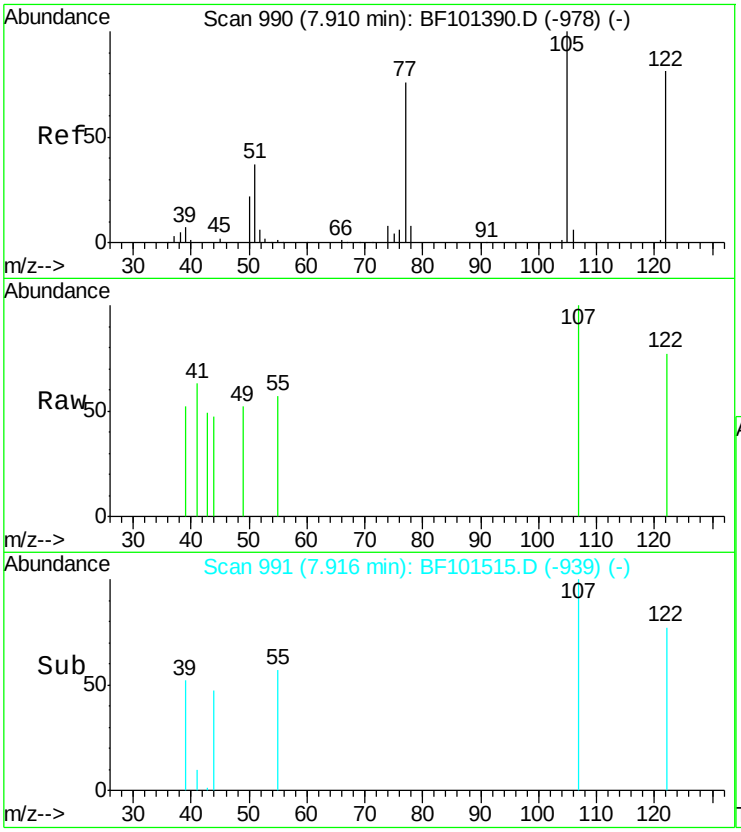


#25
Isophorone
Concen: 3.859 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.25 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Tgt Ion: 82 Resp: 70387

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



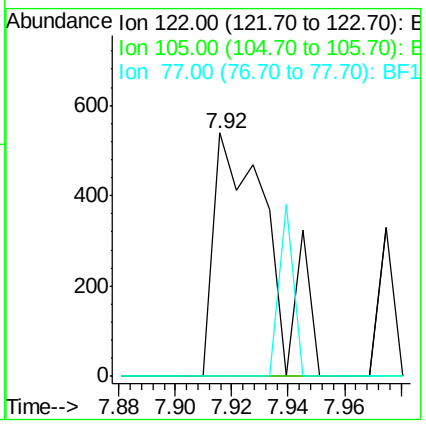


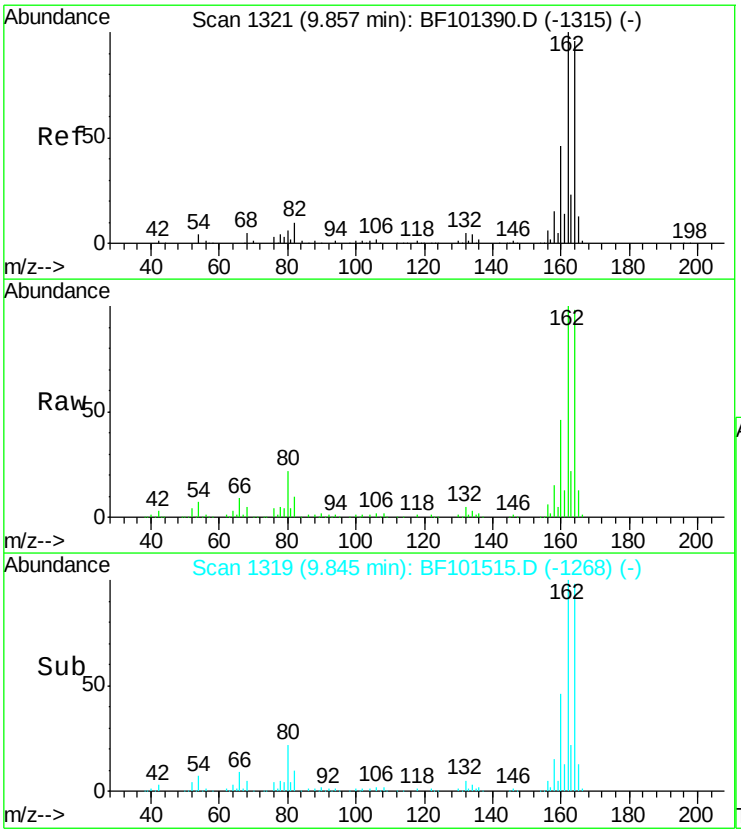
#32
Benzoic acid
Concen: 8.087 ng
RT: 7.92 min Scan# 991
Delta R.T. 0.01 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Instrument :
BNA_F
ClientSampleId :
SB-7(13-15)DL2

Tgt Ion:122 Resp: 746

Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.1	141.1#
77	0.0	70.7	110.7#

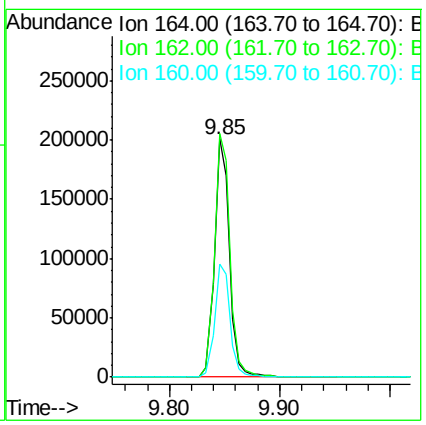


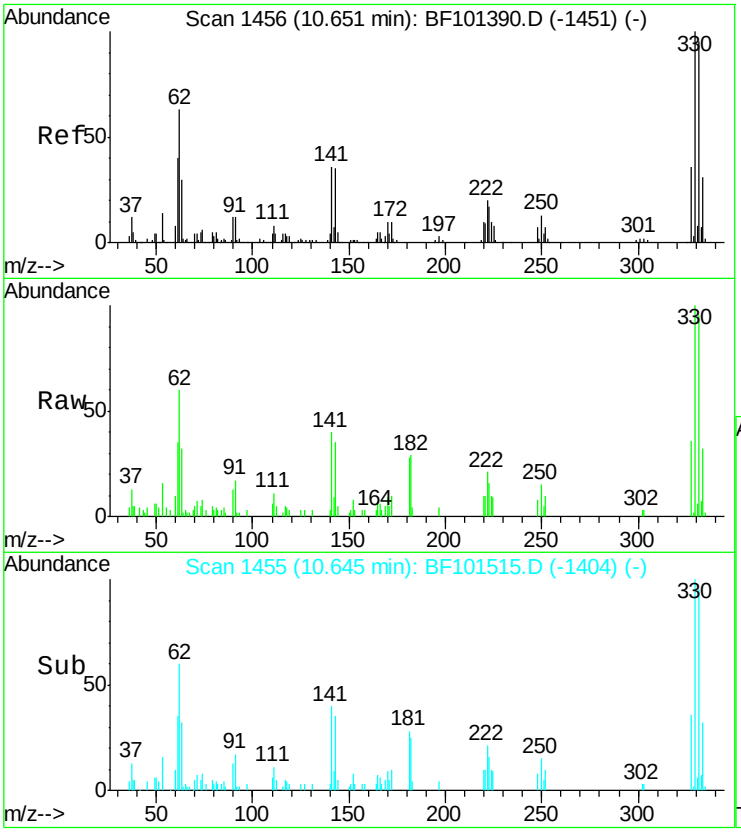


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Tgt Ion:164 Resp: 188122

Ion	Ratio	Lower	Upper
164	100		
162	102.3	86.1	129.1
160	47.4	38.3	57.5



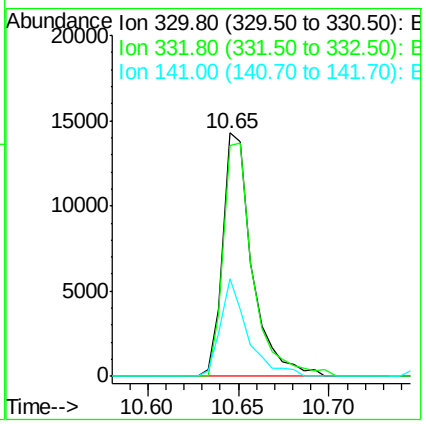


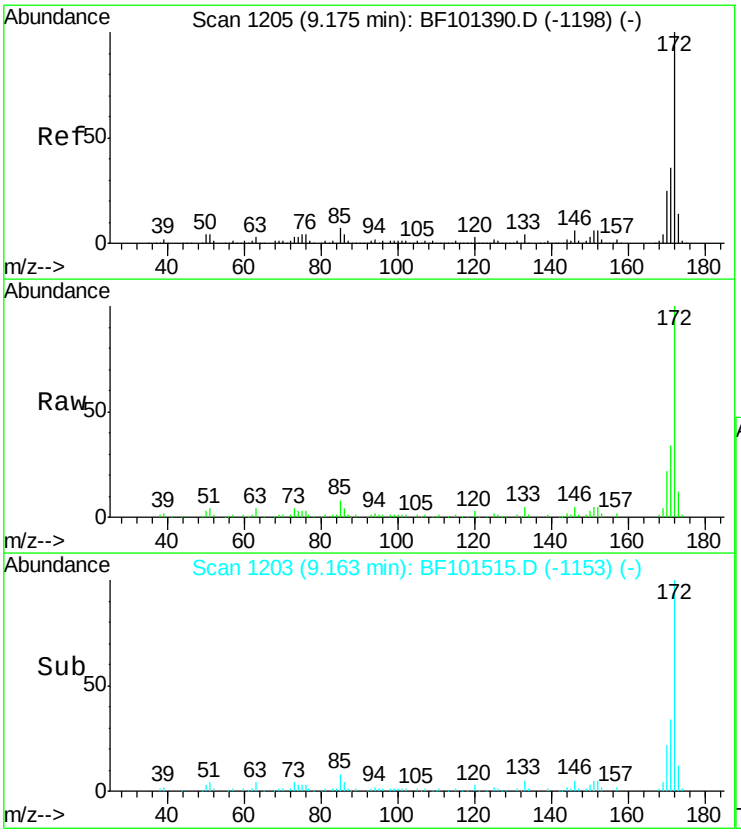
#41
2,4,6-Tribromophenol
Concen: 8.953 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.00 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Instrument :
BNA_F
ClientSampleId :
SB-7(13-15)DL2

Tgt Ion:330 Resp: 16229

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	36.7	29.9	44.9

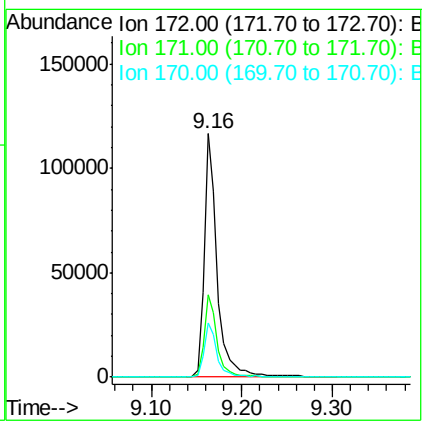


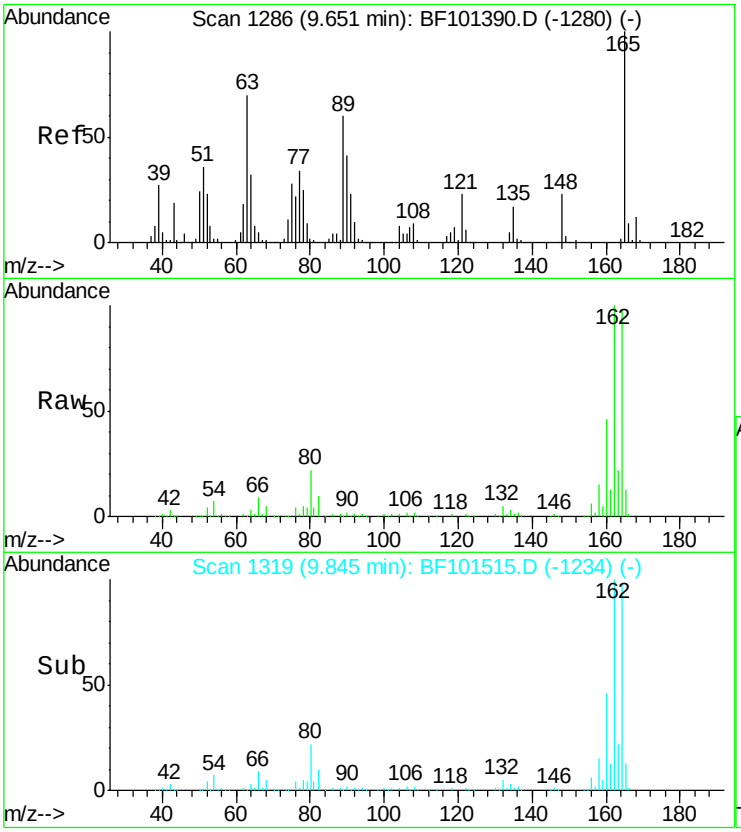


#44
2-Fluorobiphenyl
Concen: 9.721 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Tgt Ion:172 Resp: 117883

Ion	Ratio	Lower	Upper
172	100		
171	33.7	29.7	44.5
170	22.3	19.6	29.4



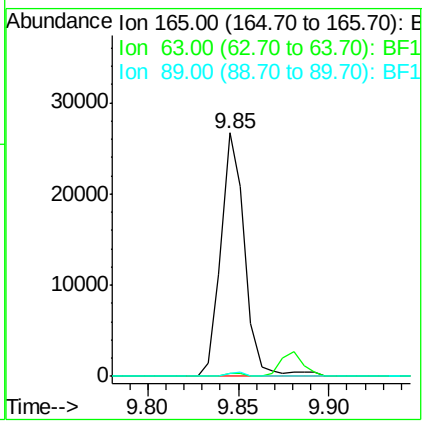


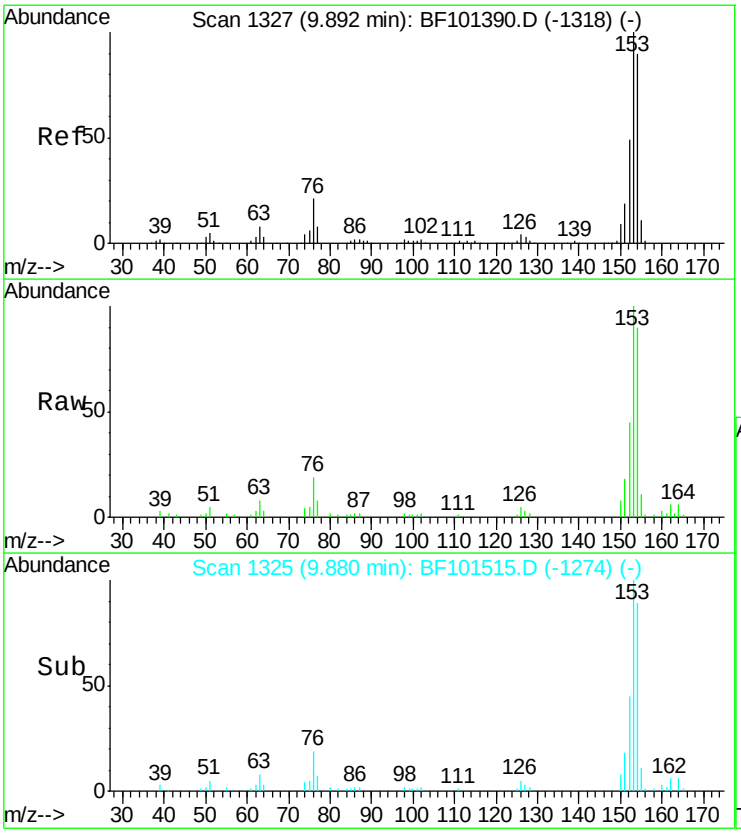
#50
2,6-Dinitrotoluene
Concen: 7.925 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.20 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Instrument :
BNA_F
ClientSampleId :
SB-7(13-15)DL2

Tgt Ion:165 Resp: 24374

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

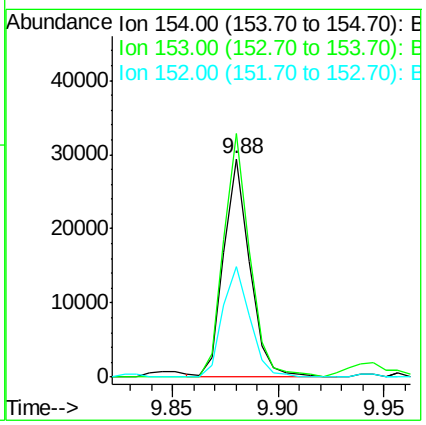


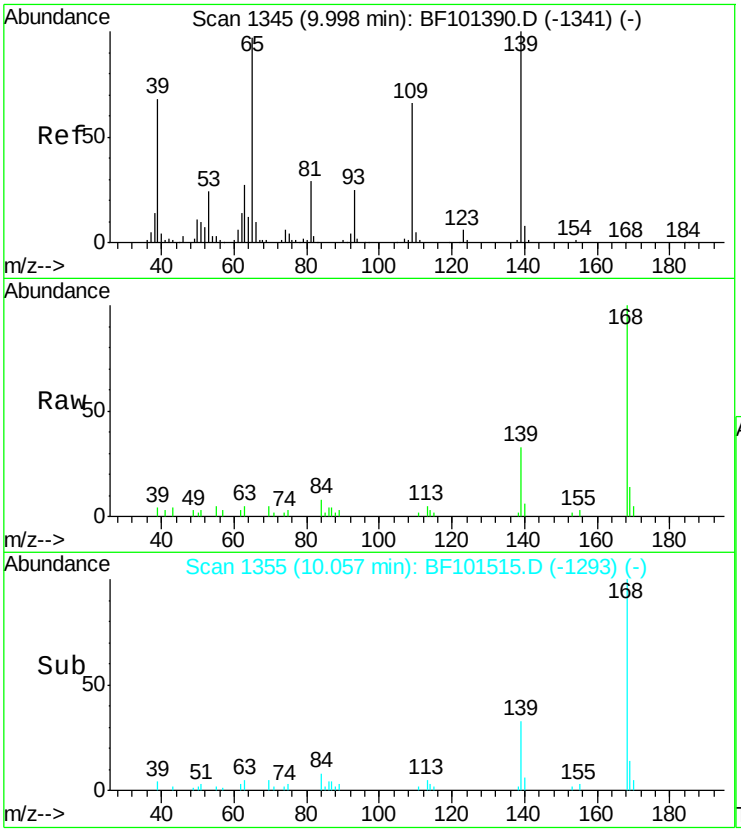


#51
Acenaphthene
Concen: 2.081 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Tgt Ion:154 Resp: 25213

Ion	Ratio	Lower	Upper
154	100		
153	111.6	91.2	136.8
152	50.6	43.8	65.8



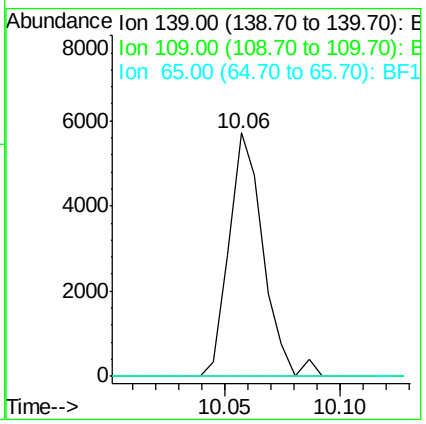


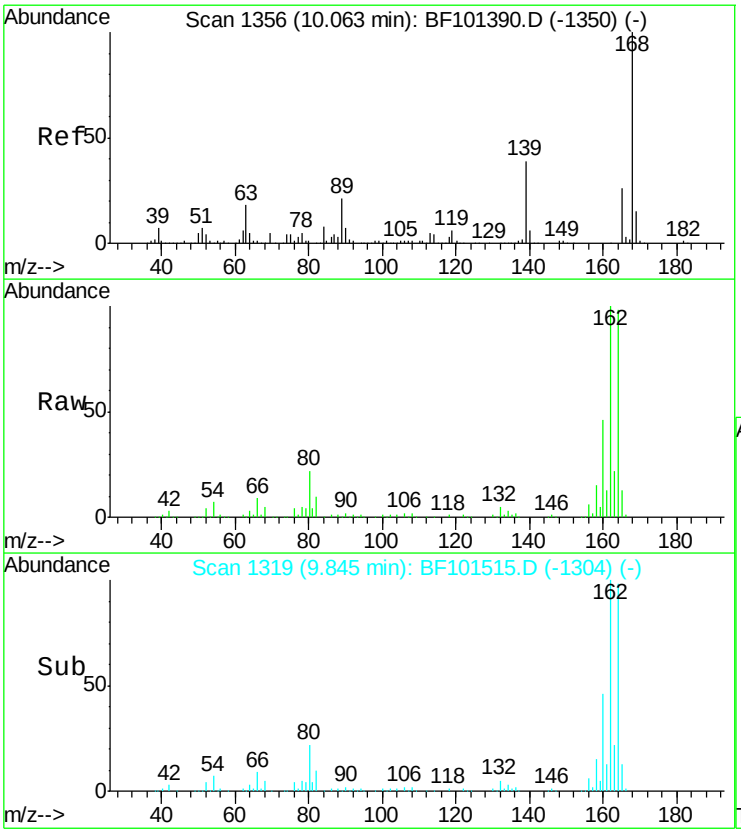
#55
4-Nitrophenol
Concen: 3.520 ng
RT: 10.06 min Scan# 1355
Delta R.T. 0.06 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Instrument :
BNA_F
ClientSampleId :
SB-7(13-15)DL2

Tgt Ion:139 Resp: 5886

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

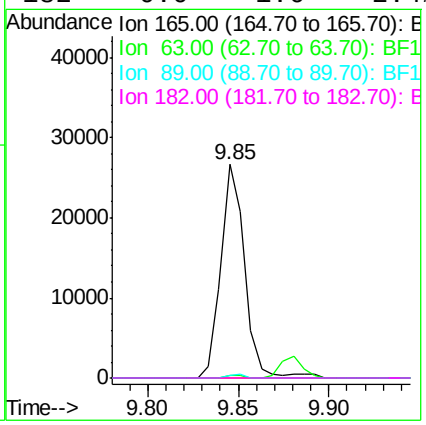


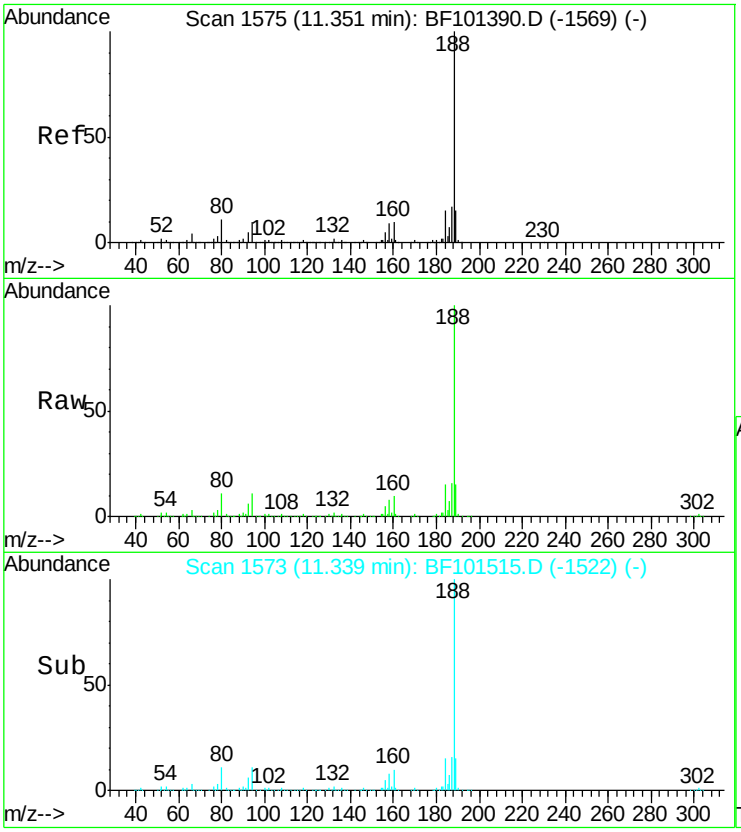


#56
2,4-Dinitrotoluene
Concen: 7.034 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.21 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Tgt Ion:165 Resp: 24374

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



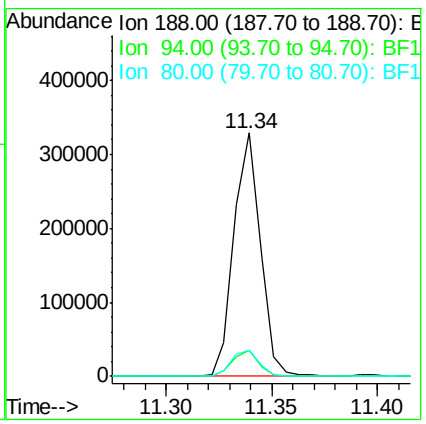


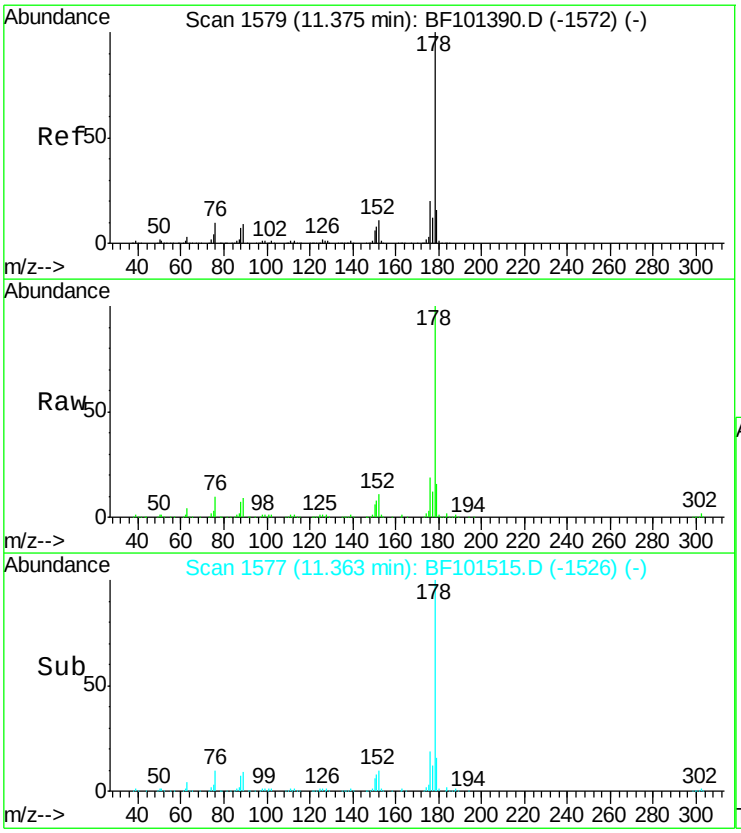
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Instrument :
BNA_F
ClientSampleId :
SB-7(13-15)DL2

Tgt Ion:188 Resp: 284761

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.5	12.7
80	10.7	9.2	13.8

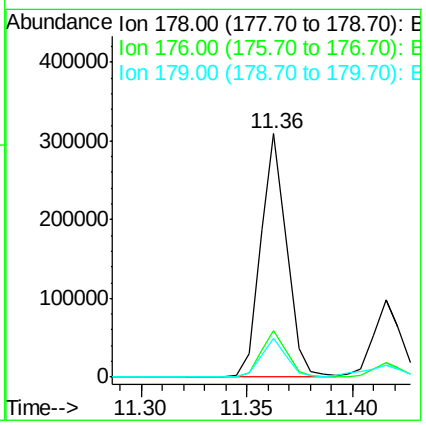


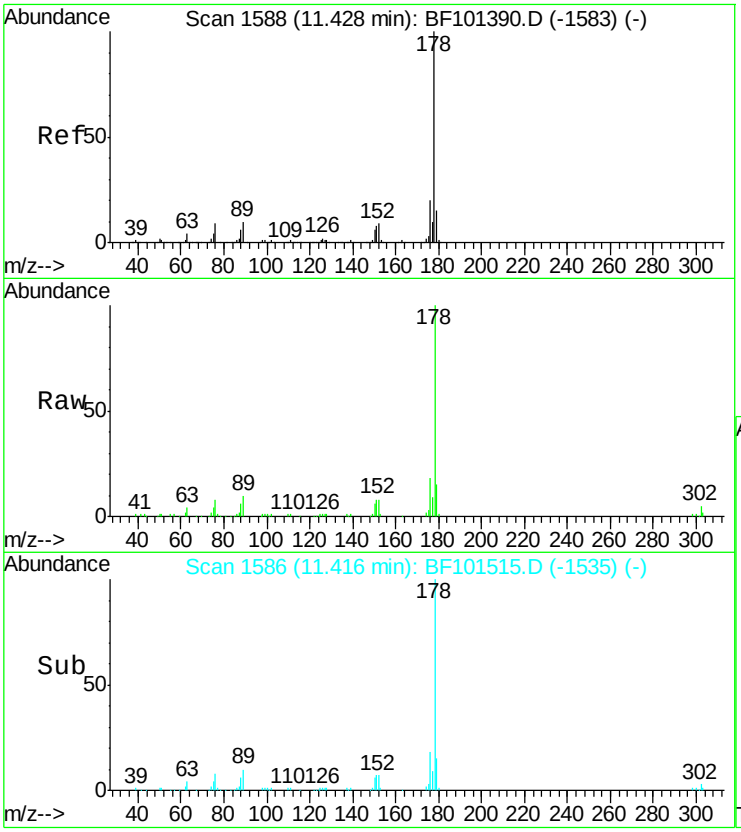


#70
Phenanthrene
Concen: 16.732 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Tgt Ion:178 Resp: 264962

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.7	13.0	19.6



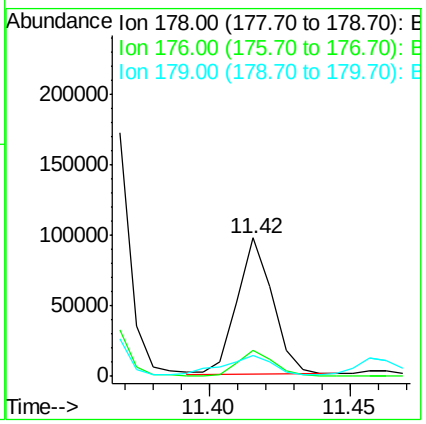


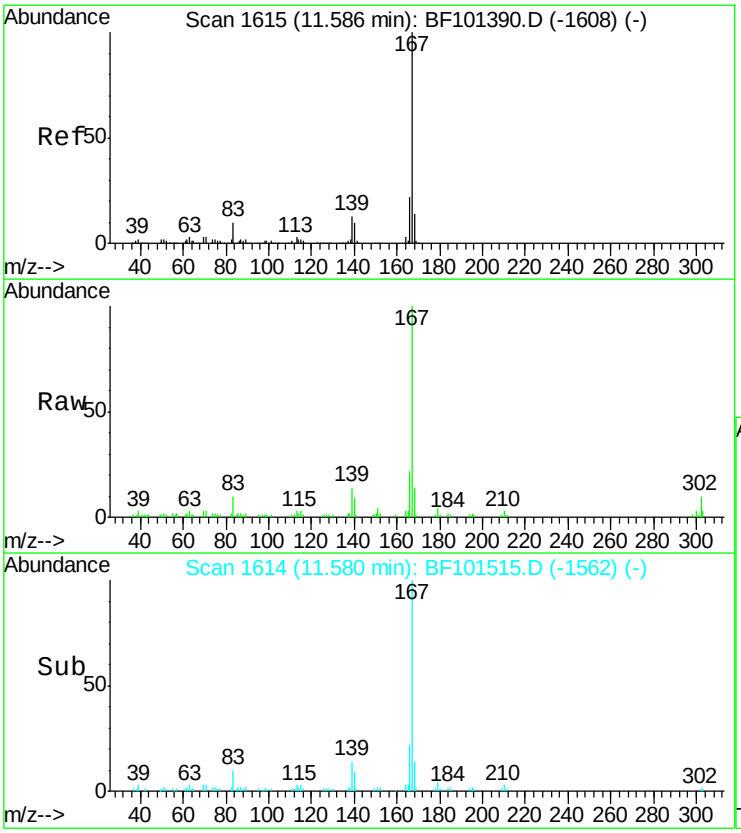
#71
Anthracene
Concen: 5.258 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Instrument :
BNA_F
ClientSampleId :
SB-7(13-15)DL2

Tgt Ion:178 Resp: 85046

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.0	12.6	19.0

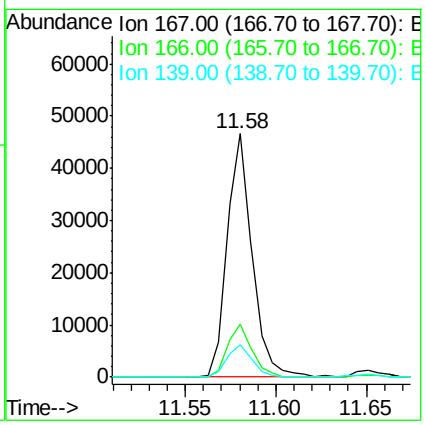


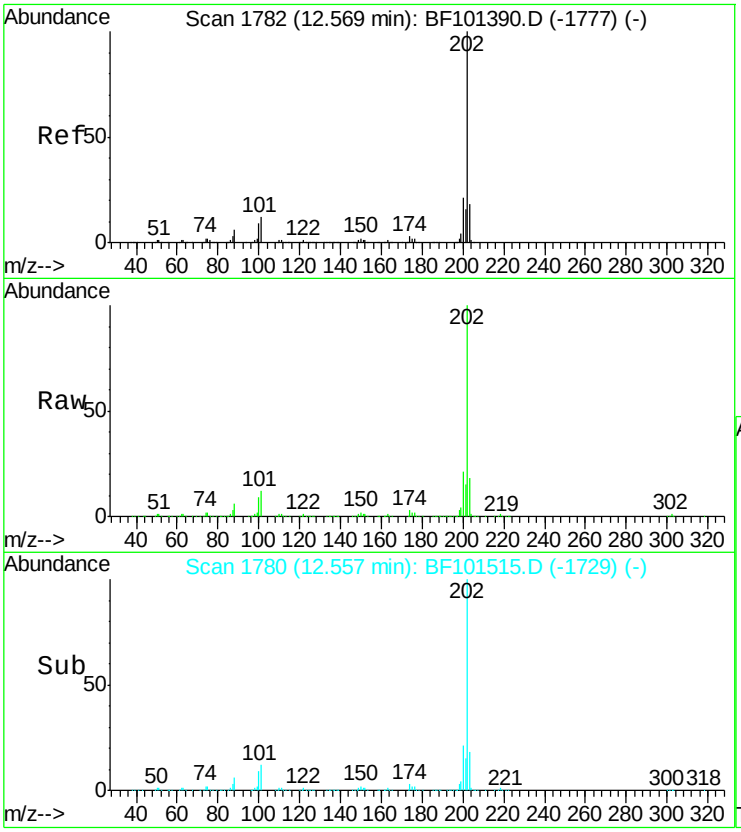


#72
Carbazole
Concen: 2.947 ng
RT: 11.58 min Scan# 1614
Delta R.T. 0.01 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Tgt Ion:167 Resp: 44628

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.6	26.4
139	13.5	10.9	16.3



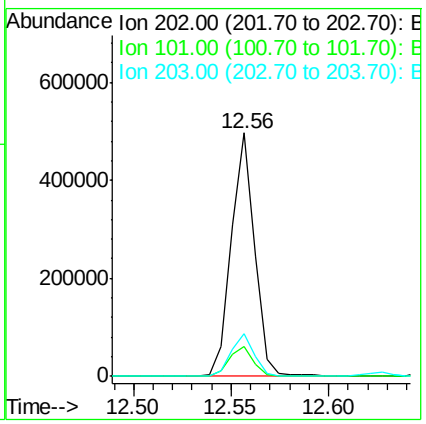


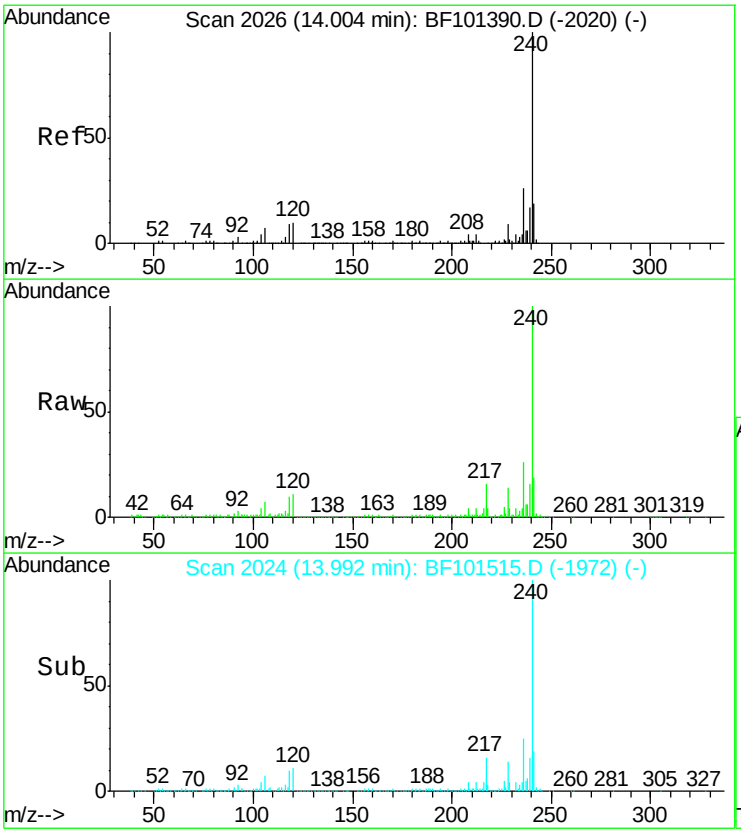
#74
Fluoranthene
Concen: 24.844 ng
RT: 12.56 min Scan# 1780
Delta R.T. -0.00 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Instrument :
BNA_F
ClientSampleId :
SB-7(13-15)DL2

Tgt Ion:202 Resp: 412962

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	34.1
203	17.6	0.0	38.1

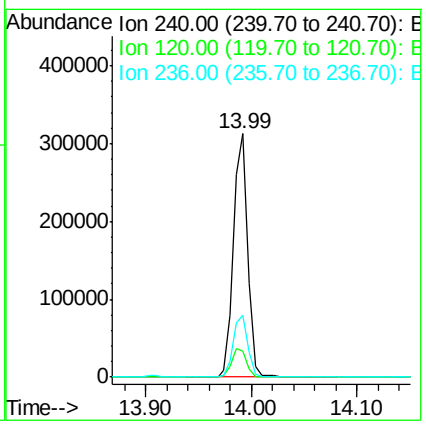


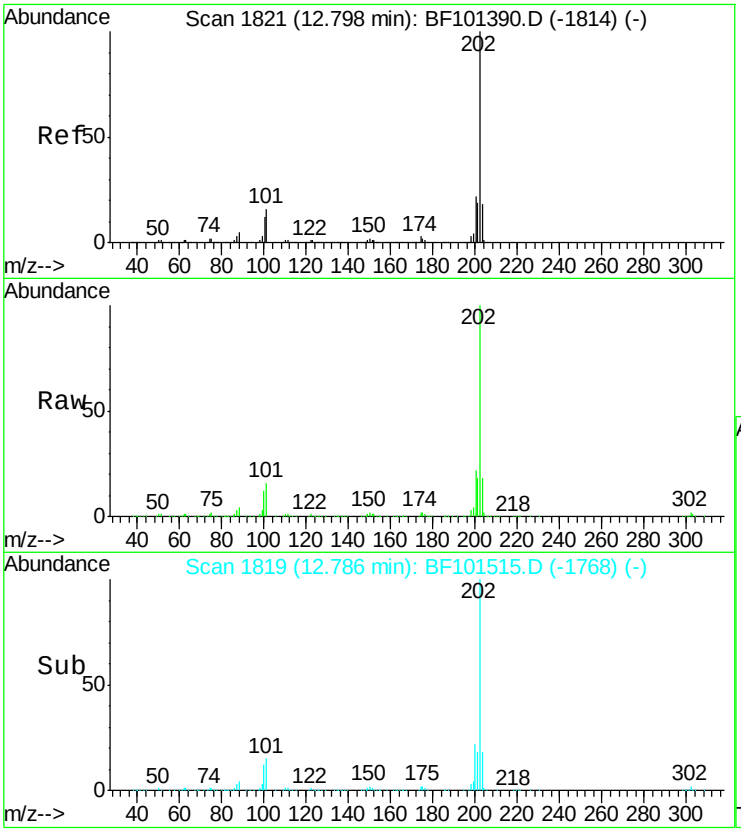


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Tgt Ion:240 Resp: 286418

Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.5	14.3
236	25.5	20.7	31.1



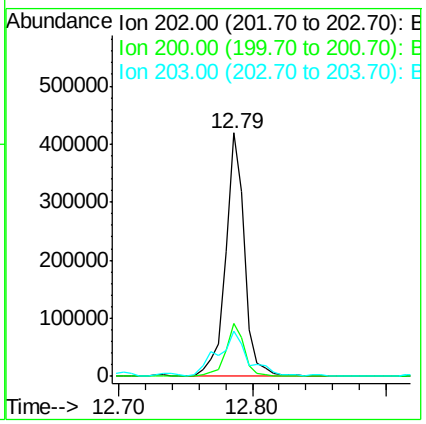


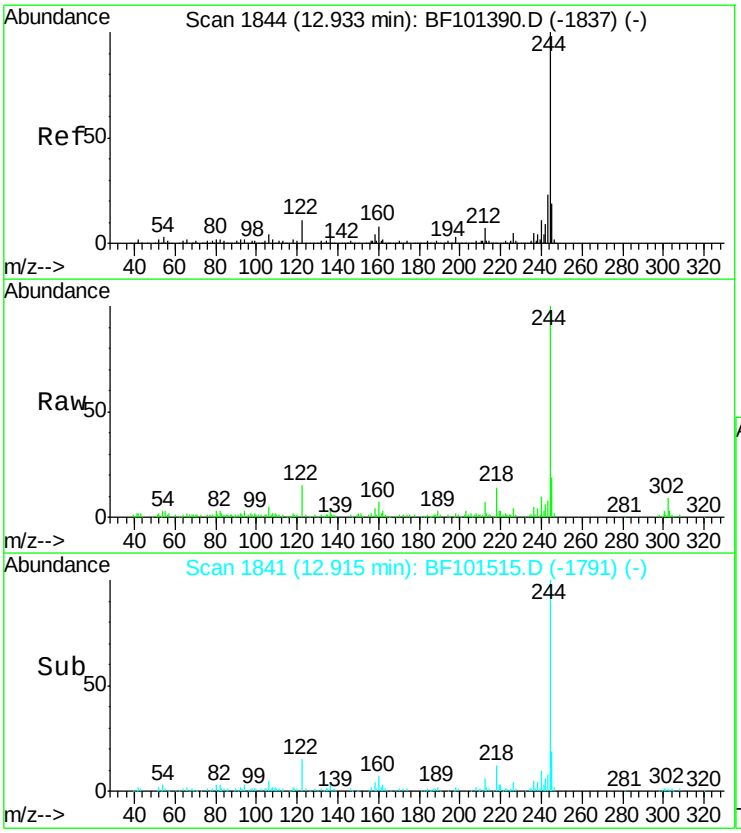
#77
Pyrene
Concen: 19.217 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.00 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Instrument :
BNA_F
ClientSampleId :
SB-7(13-15)DL2

Tgt Ion:202 Resp: 413080

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	18.4	14.3	21.5

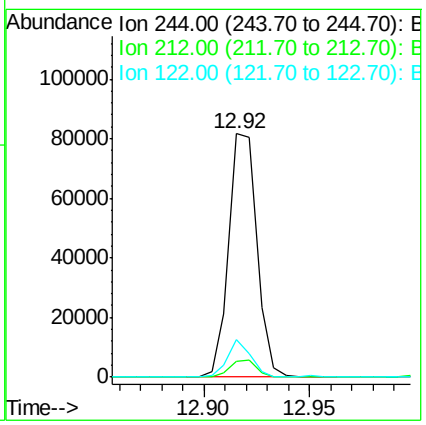


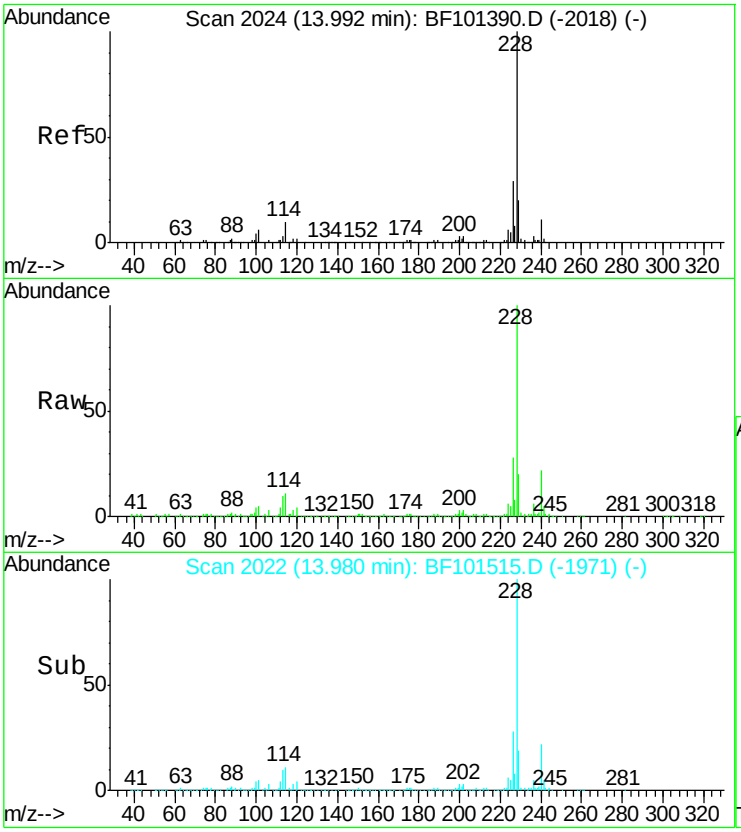


#78
Terphenyl-d14
Concen: 6.313 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Tgt Ion:244 Resp: 75006

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	15.3	11.0	16.4



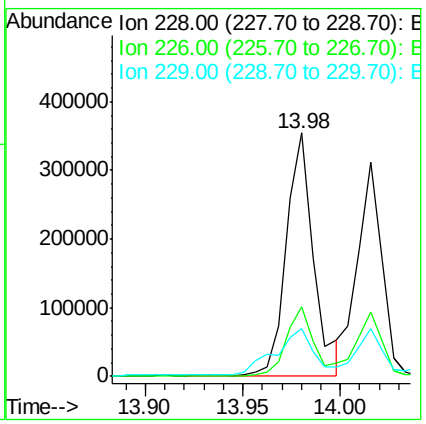


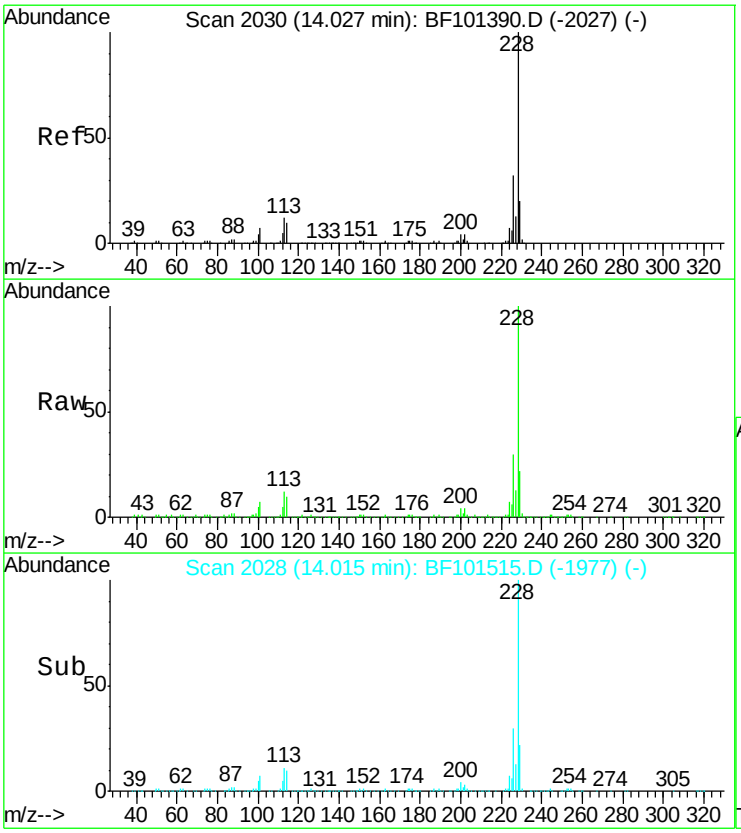
#80
Benzo(a)anthracene
Concen: 18.050 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Instrument :
BNA_F
ClientSampleId :
SB-7(13-15)DL2

Tgt Ion:228 Resp: 341380

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	19.7	15.8	23.6

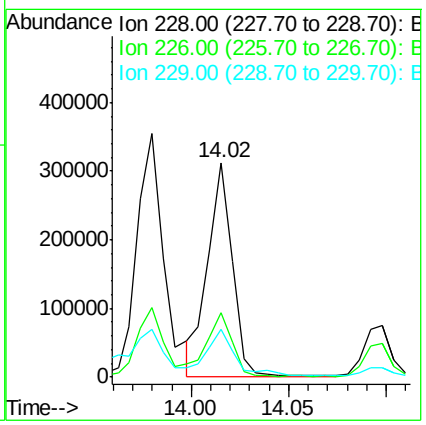


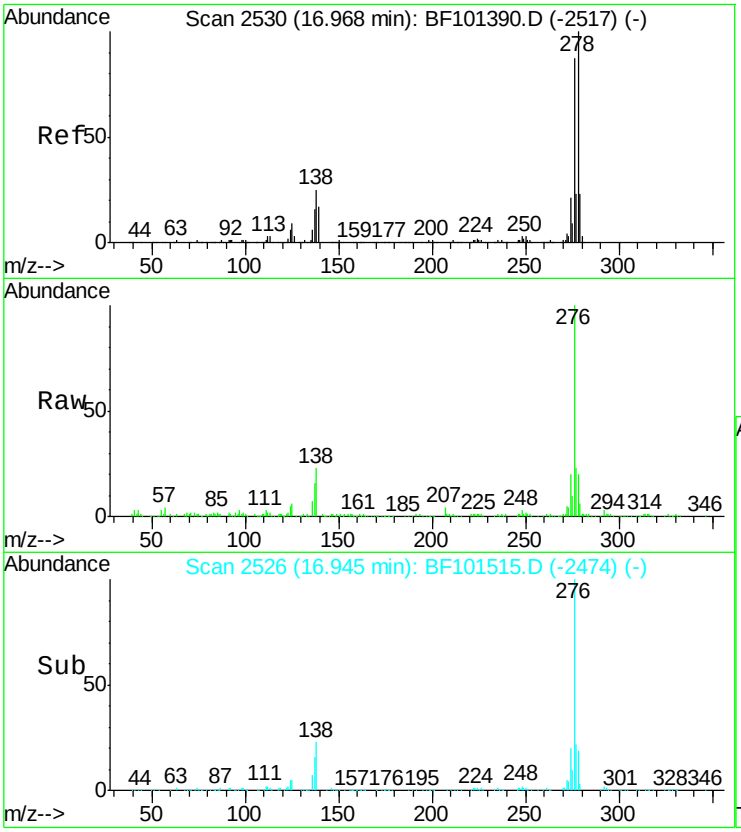


#82
Chrysene
Concen: 15.230 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Tgt Ion:228 Resp: 271958

Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	22.4	16.2	24.4



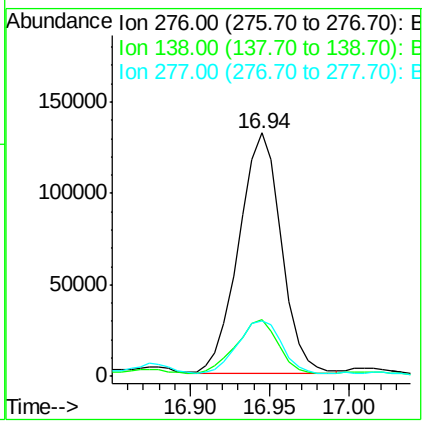


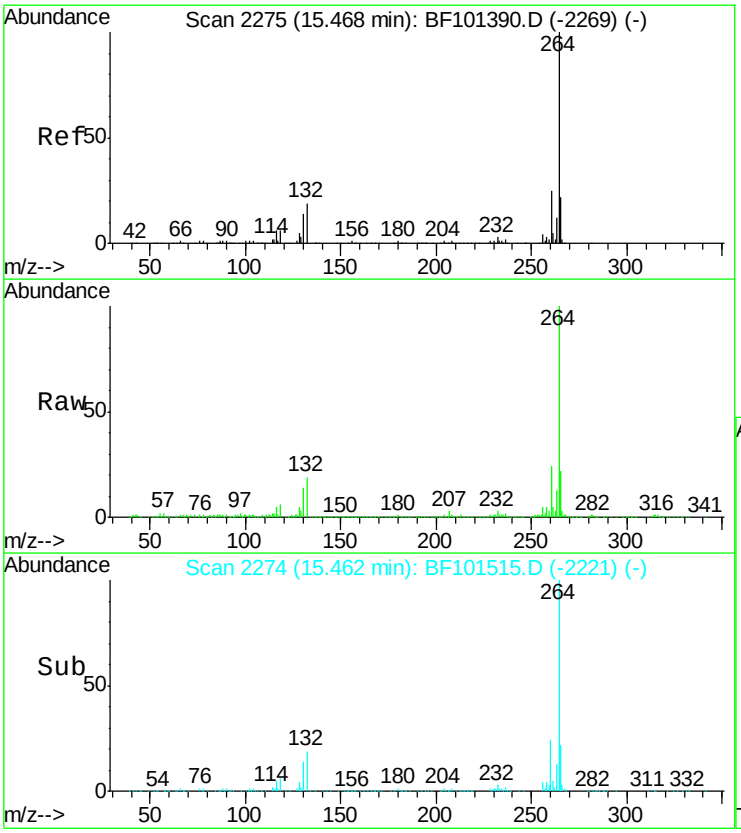
#85
Indeno(1,2,3-cd)pyrene
Concen: 15.395 ng
RT: 16.94 min Scan# 2526
Delta R.T. 0.01 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Instrument :
BNA_F
ClientSampleId :
SB-7(13-15)DL2

Tgt Ion:276 Resp: 244812

Ion	Ratio	Lower	Upper
276	100		
138	23.4	25.0	37.6#
277	23.1	20.1	30.1

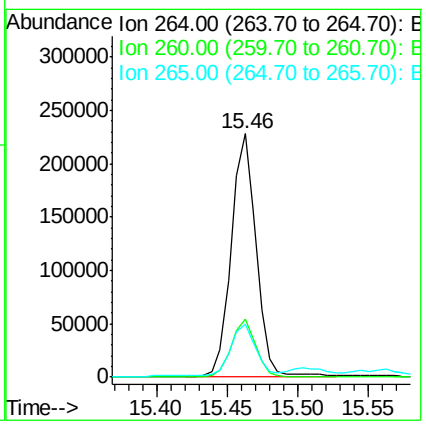


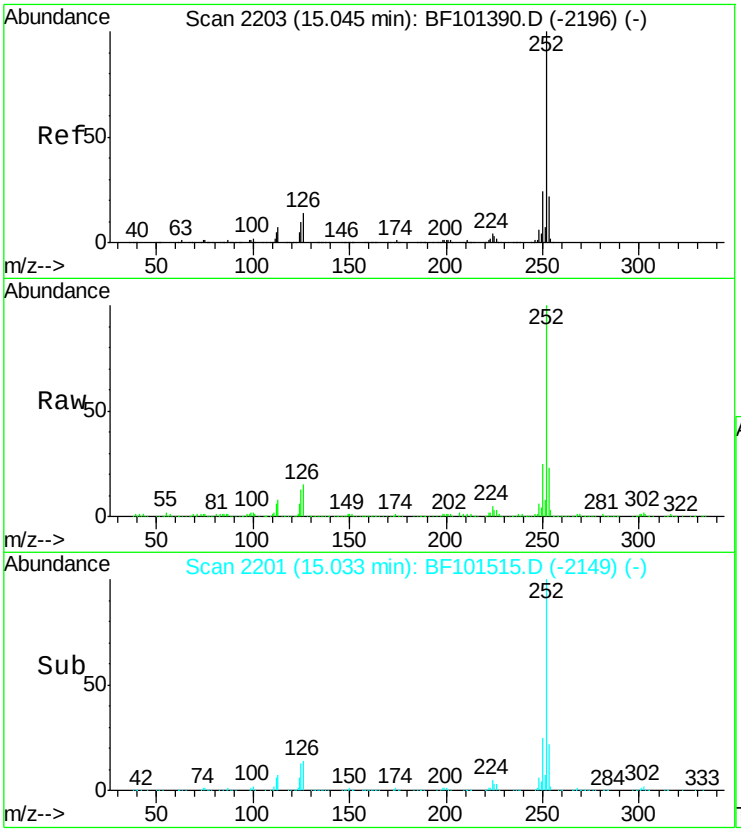


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Tgt Ion:264 Resp: 276445

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.0	17.5	26.3



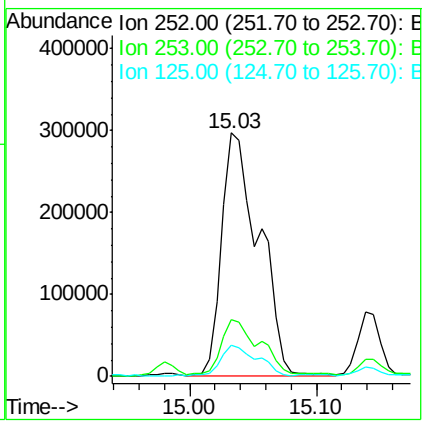


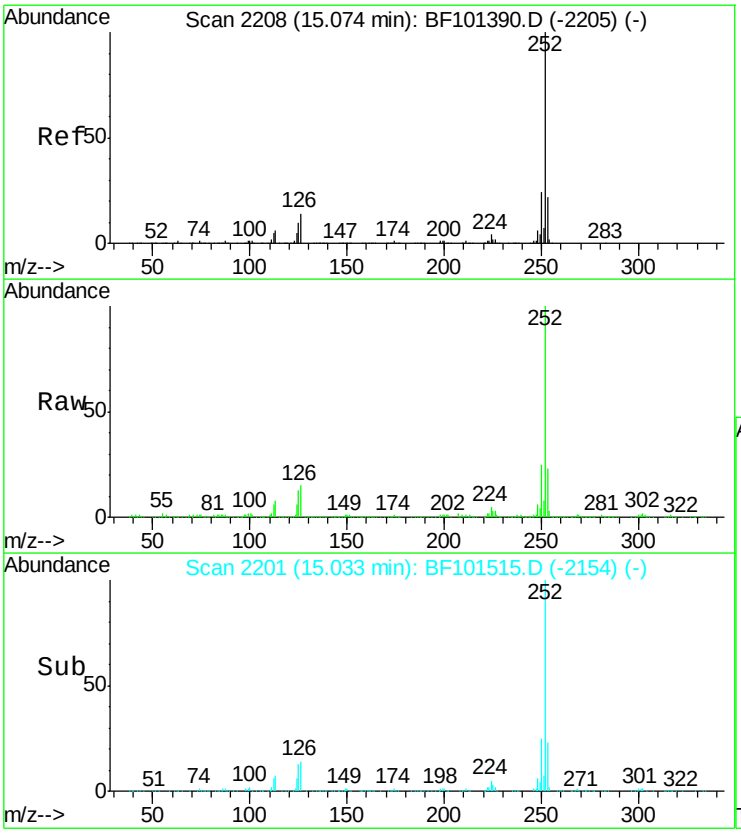
#87
Benzo(b)fluoranthene
Concen: 36.143 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Instrument :
BNA_F
ClientSampleId :
SB-7(13-15)DL2

Tgt Ion:252 Resp: 609016

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	12.9	9.0	13.6

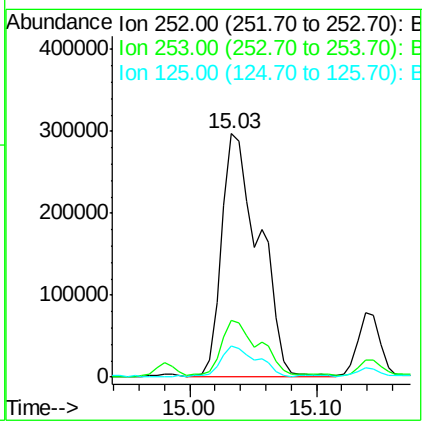


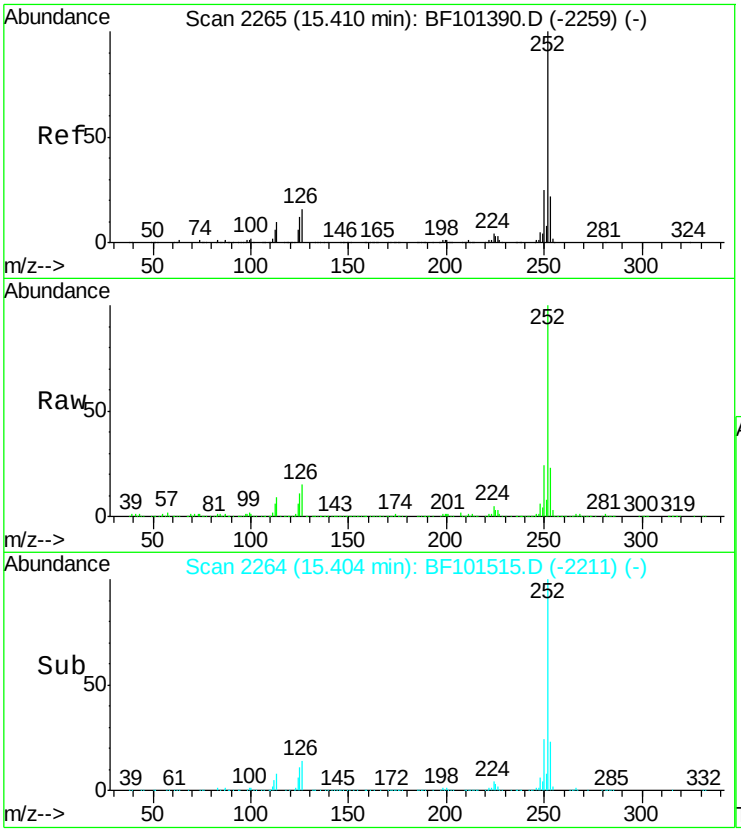


#88
Benzo(k)fluoranthene
Concen: 37.174 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Tgt Ion:252 Resp: 609016

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	12.9	10.2	15.2



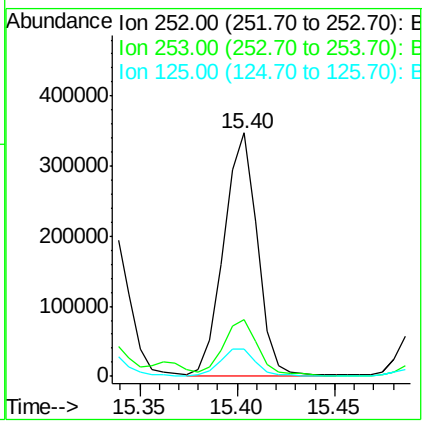


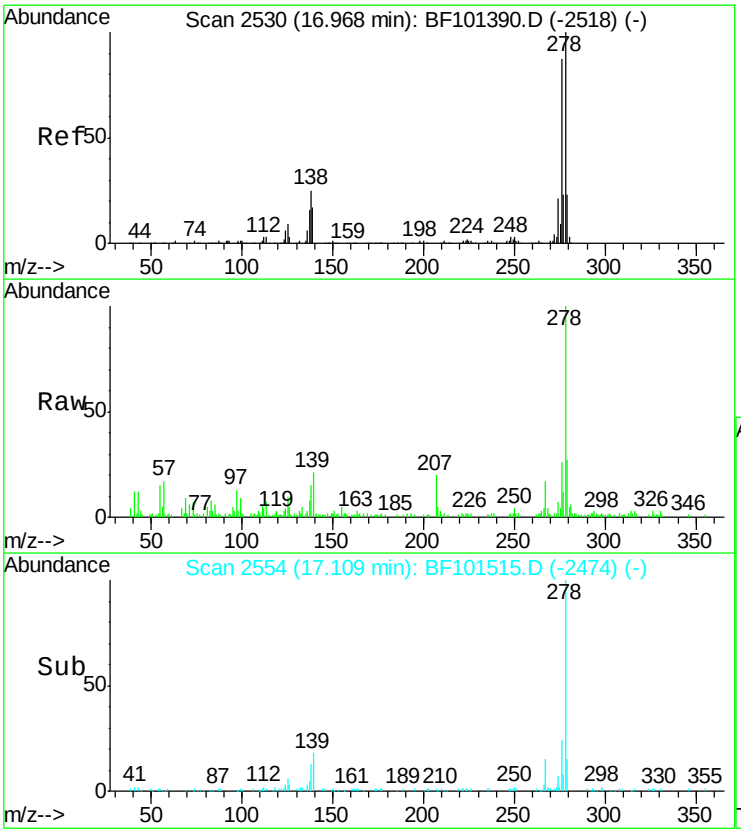
#89
Benzo(a)pyrene
Concen: 26.496 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Instrument :
BNA_F
ClientSampleId :
SB-7(13-15)DL2

Tgt Ion:252 Resp: 411570

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	11.5	9.8	14.6

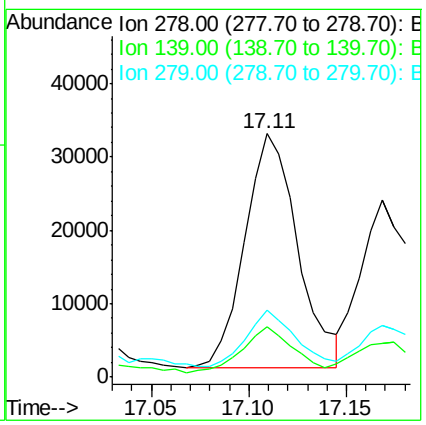


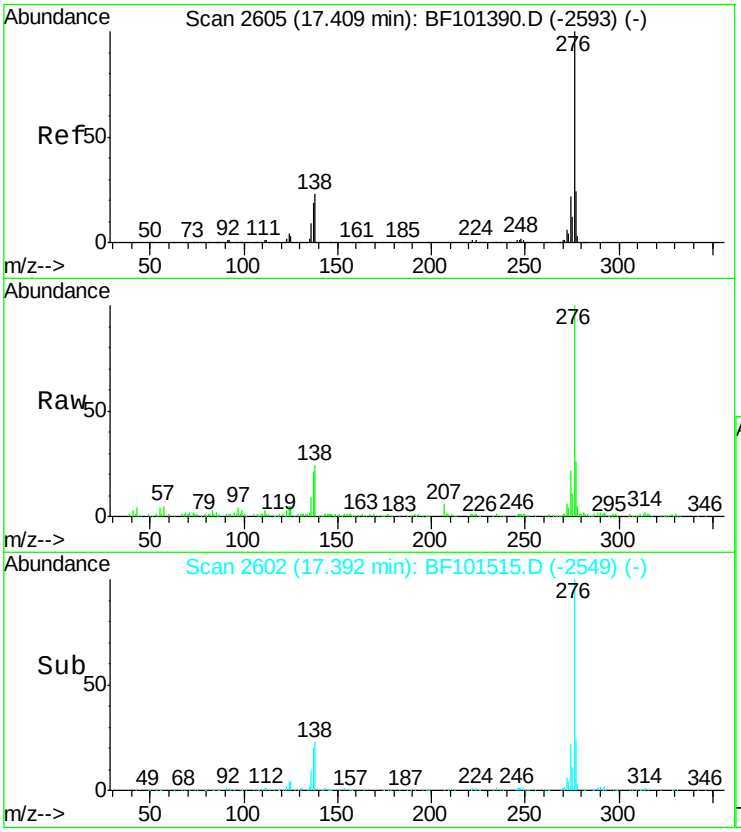


#90
Dibenzo(a,h)anthracene
Concen: 4.500 ng
RT: 17.11 min Scan# 2554
Delta R.T. 0.17 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Tgt Ion:278 Resp: 60017

Ion	Ratio	Lower	Upper
278	100		
139	20.5	15.9	23.9
279	27.4	19.0	28.4





#91
Benzo(g,h,i)perylene
Concen: 16.776 ng
RT: 17.39 min Scan# 2602
Delta R.T. 0.01 min
Lab File: BF101515.D
Acq: 19 Dec 2017 9:43

Instrument :
BNA_F
ClientSampleId :
SB-7(13-15)DL2

Tgt Ion:276 Resp: 221541

Ion	Ratio	Lower	Upper
276	100		
277	25.7	17.9	26.9
138	23.8	21.8	32.8