Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
Data File : BF101654.D
Acq On : 22 Dec 2017 15:37
Operator : SJ/JU
Sample : I6993-02 20X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ROLL-OFF-4

Quant Time: Dec 22 16:10:34 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 22 16:07:58 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	168193	20.00	ng		0.00
21) Naphthalene-d8	8.07	136	695035	20.00	ng		0.00
38) Acenaphthene-d10	9.82	164	308520	20.00	ng		0.00
63) Phenanthrene-d10	11.32	188	549597	20.00	ng		0.00
75) Chrysene-d12	13.96	240	357493	20.00	ng		0.00
86) Perylene-d12	15.43	264	336800	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.43	112	62938	5.57	ng		0.02
7) Phenol-d6	6.45	99	86455	6.15	ng		0.01
23) Nitrobenzene-d5	7.37	82	53858	4.31	ng		0.00
41) 2,4,6-Tribromophenol	10.62	330	16301	5.48	ng		0.00
44) 2-Fluorobiphenyl	9.14	172	102823	5.17	ng		0.00
78) Terphenyl-d14	12.89	244	83631	5.64	ng		-0.01
Target Compounds							Qvalue
25) Isophorone	7.37	82	53858	2.150	ng	#	64
31) Naphthalene	8.09	128	140105	4.004	ng		99
32) Benzoic acid	8.09	122	114	7.975	ng	#	1
48) Acenaphthylene	9.69	152	104460	3.159	ng		98
50) 2,6-Dinitrotoluene	9.82	165	39716	7.874	ng	#	26
54) Dibenzofuran	10.03	168	92323	3.657	ng		99
55) 4-Nitrophenol	10.03	139	34568	12.607	ng	#	10
56) 2,4-Dinitrotoluene	9.82	165	39716	6.989	ng	#	24
57) Fluorene	10.37	166	137957	6.459	ng		100
70) Phenanthrene	11.34	178	754319	24.680	ng		99
71) Anthracene	11.39	178	377331	12.086	ng		99
72) Carbazole	11.56	167	158839	5.434	ng		97
74) Fluoranthene	12.53	202	895280	27.907	ng		99
77) Pyrene	12.76	202	683538	25.477	ng		100
80) Benzo(a)anthracene	13.95	228	289744	12.274	ng		98
82) Chrysene	13.99	228	244231	10.958	ng		98
85) Indeno(1,2,3-cd)pyrene	16.90	276	130833	6.592	ng	#	91
87) Benzo(b)fluoranthene	15.00	252	365539	17.806	ng		98
88) Benzo(k)fluoranthene	15.00	252	365539	18.314	ng		99
89) Benzo(a)pyrene	15.37	252	191226	10.105	ng		98
91) Benzo(g,h,i)perylene	17.34	276	121645	7.561	ng	#	94

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

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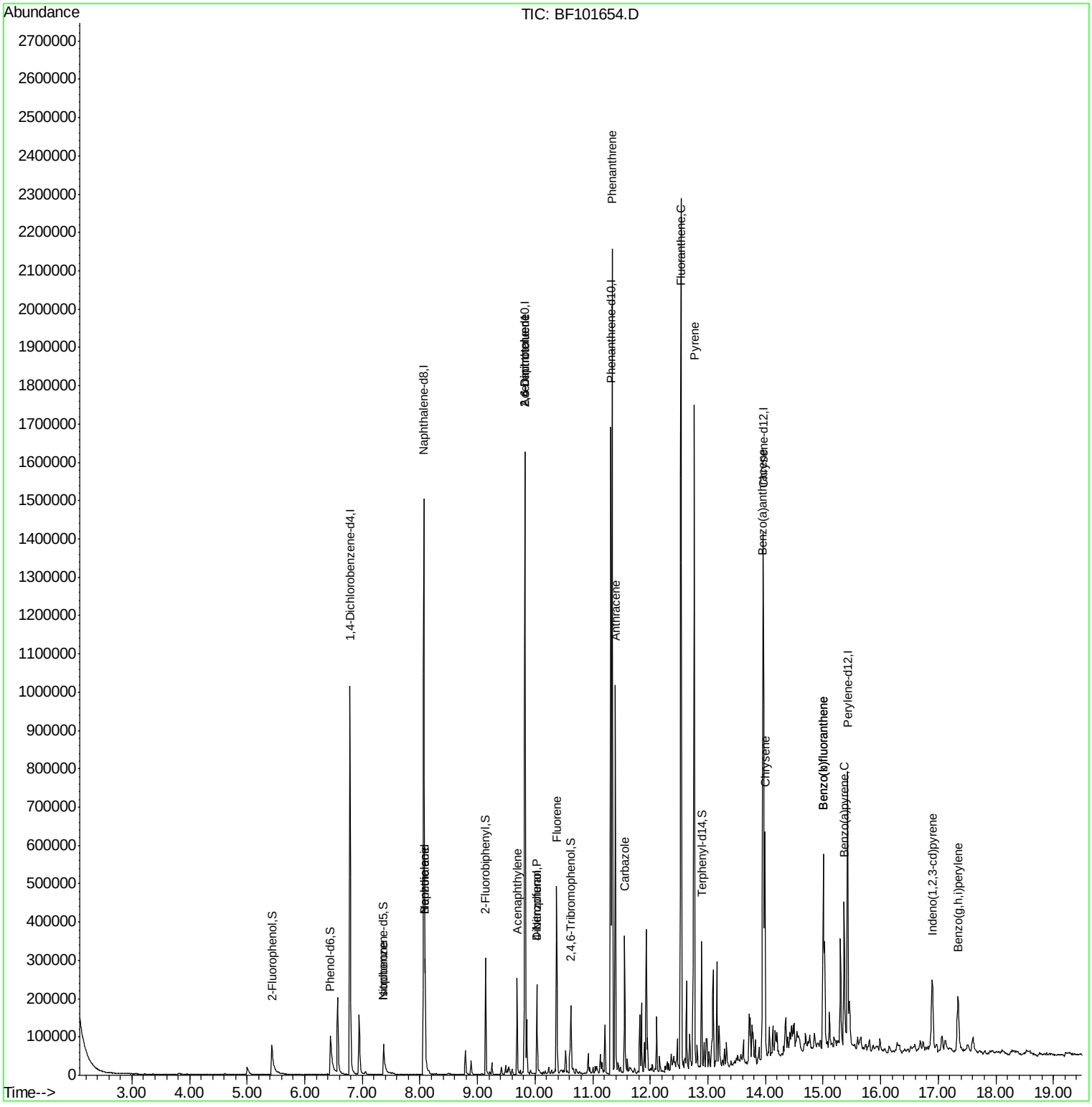
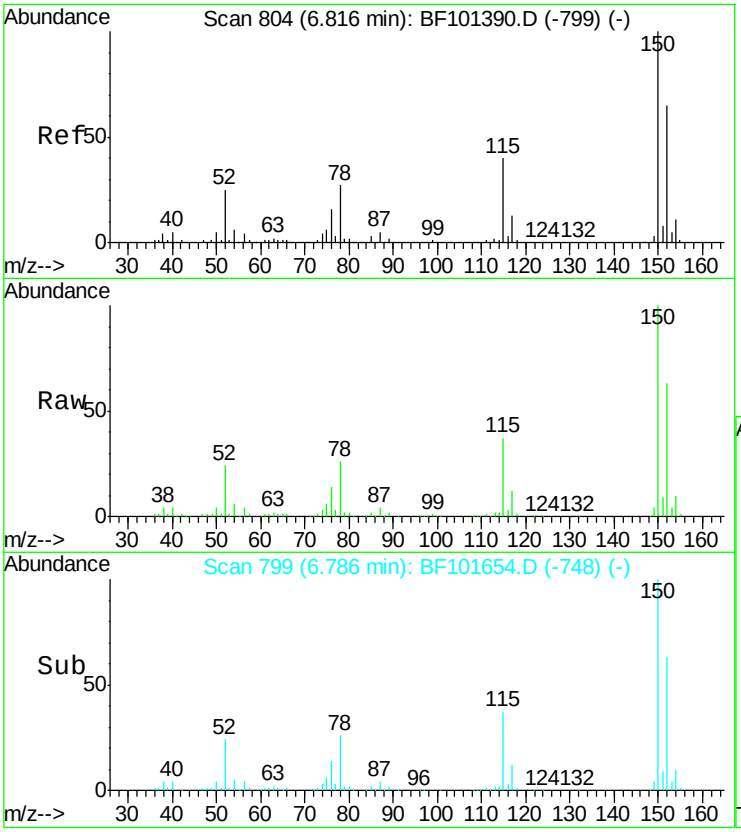


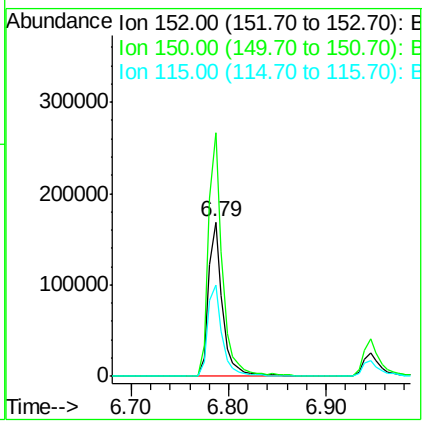


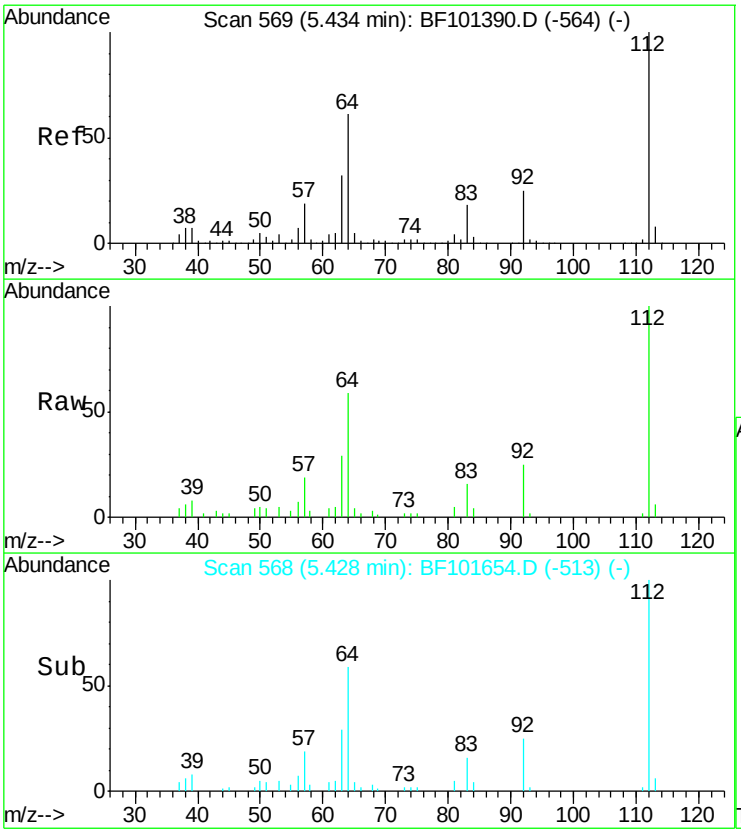
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-4

Tgt Ion:152 Resp: 168193

Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	59.0	50.1	75.1

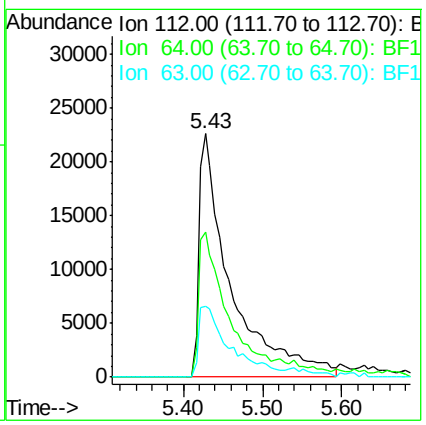


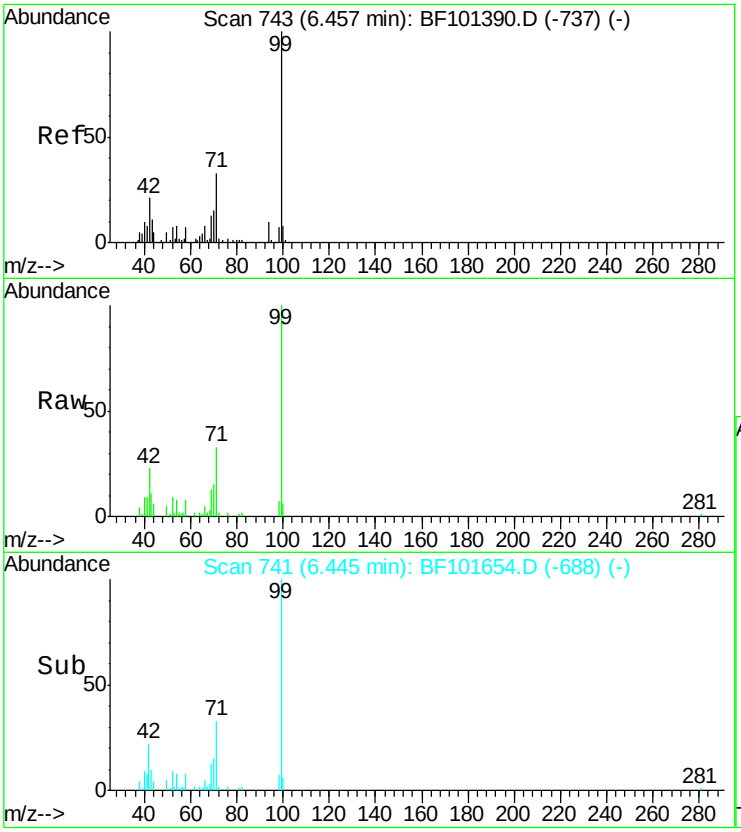


#5
2-Fluorophenol
Concen: 5.574 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Tgt Ion:112 Resp: 62938

Ion	Ratio	Lower	Upper
112	100		
64	59.4	47.9	71.9
63	29.0	23.7	35.5



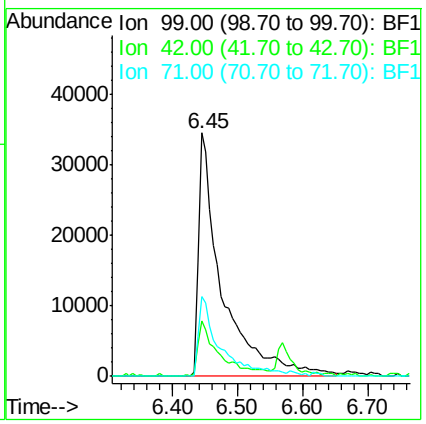


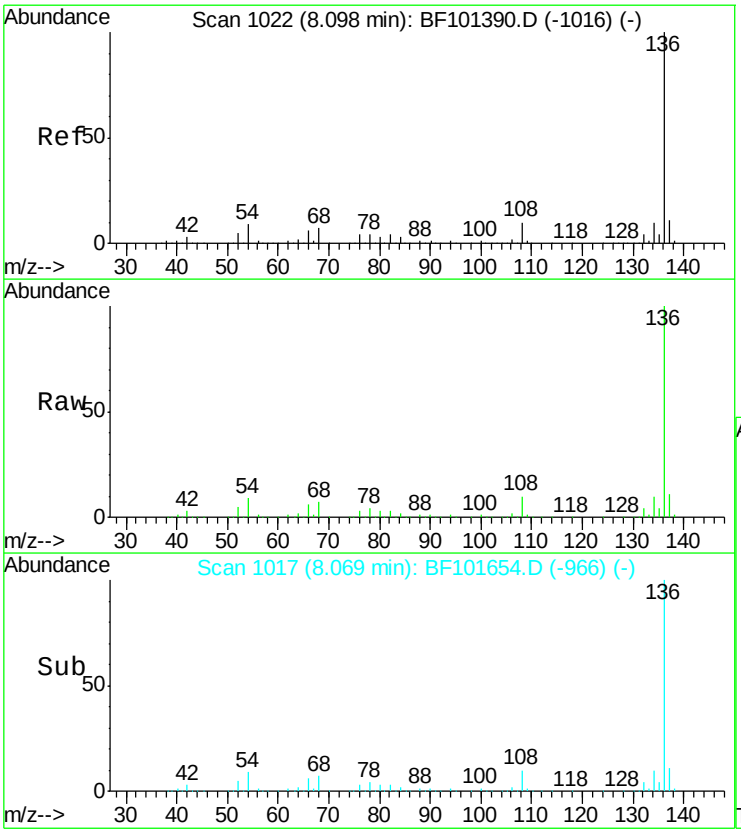
#7
Phenol-d6
Concen: 6.152 ng
RT: 6.45 min Scan# 741
Delta R.T. 0.01 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-4

Tgt Ion: 99 Resp: 86455

Ion	Ratio	Lower	Upper
99	100		
42	23.0	14.5	21.7#
71	32.7	25.4	38.0

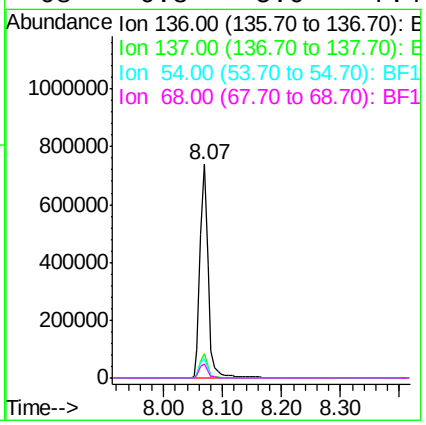


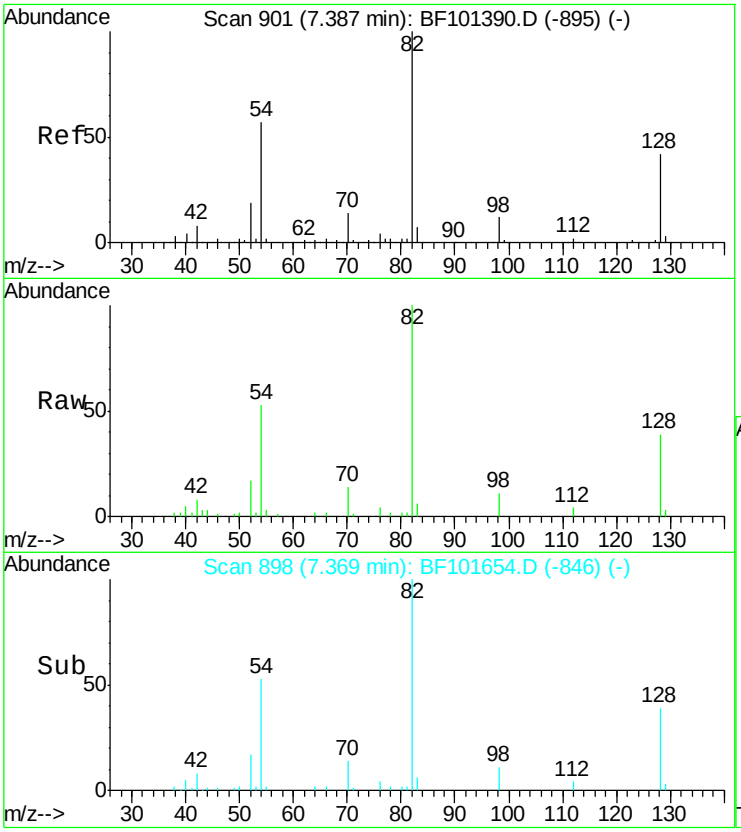


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Tgt Ion:136 Resp: 695035

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	9.1	6.6	9.8
68	6.8	5.0	7.4



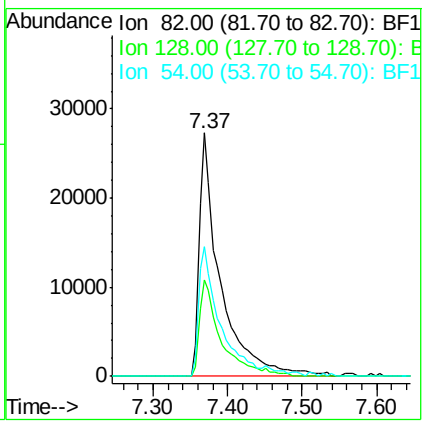


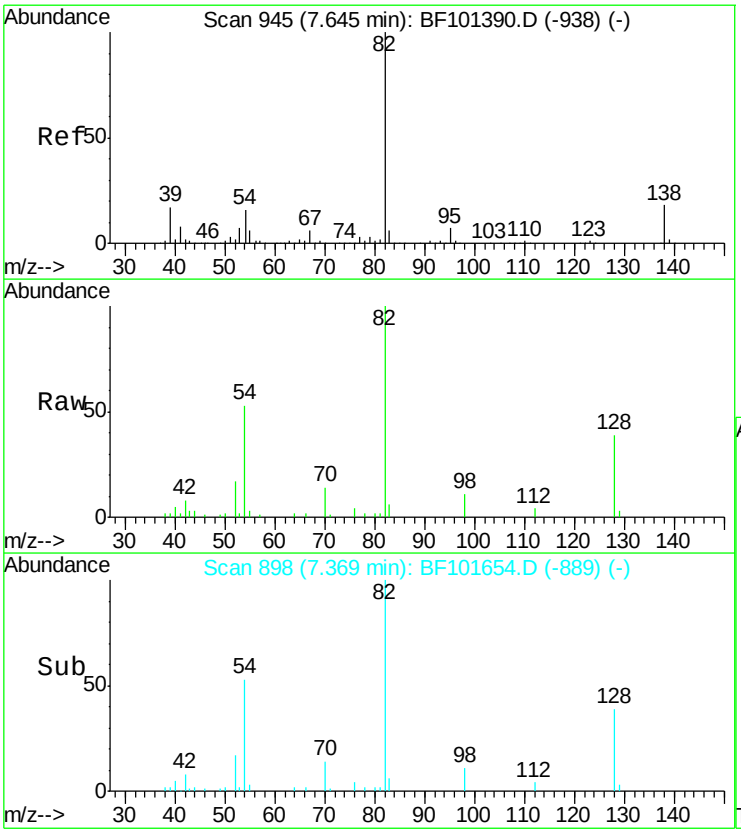
#23
Nitrobenzene-d5
Concen: 4.314 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.01 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-4

Tgt Ion: 82 Resp: 53858

Ion	Ratio	Lower	Upper
82	100		
128	39.4	36.1	54.1
54	53.3	41.4	62.2

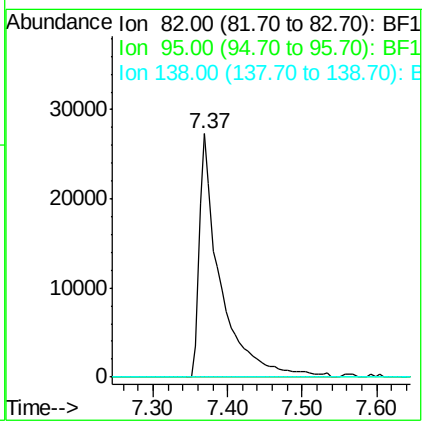


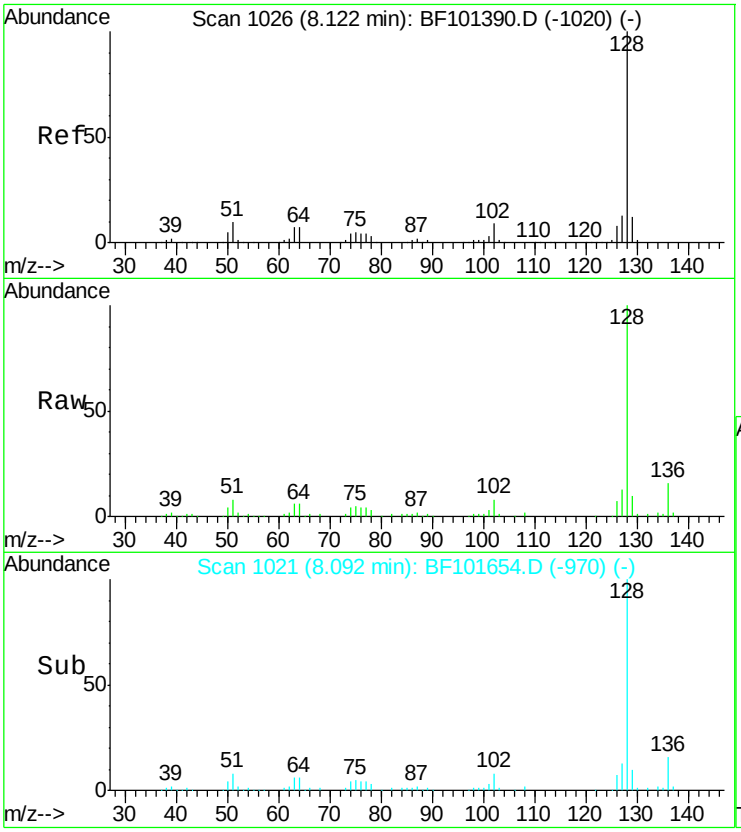


#25
Isophorone
Concen: 2.150 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.25 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Tgt Ion: 82 Resp: 53858

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



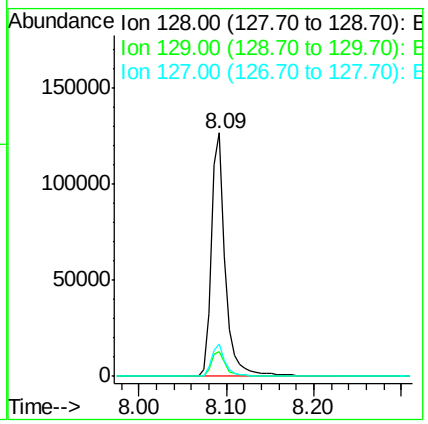


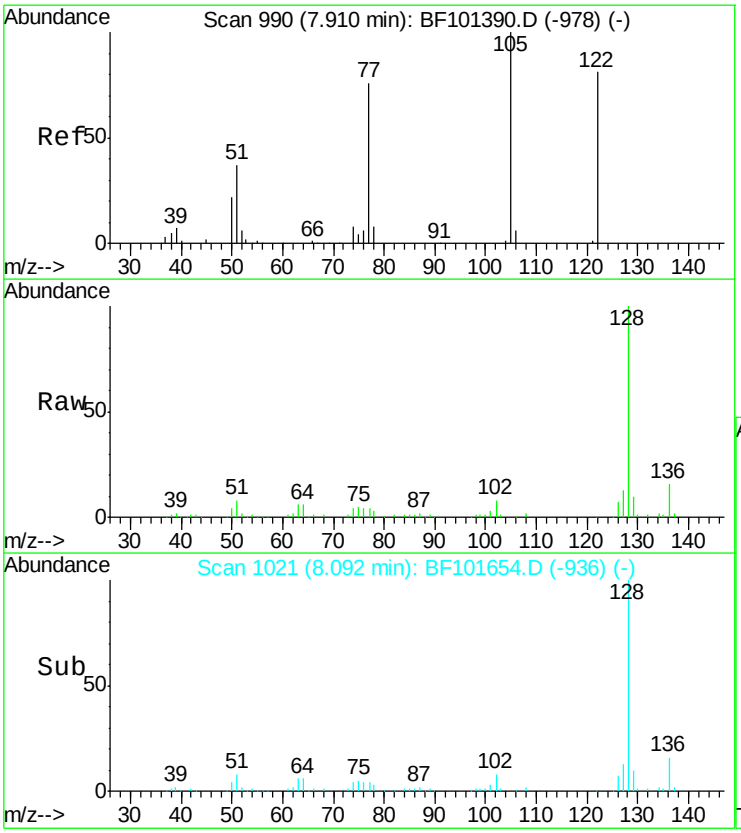
#31
Naphthalene
Concen: 4.004 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-4

Tgt Ion:128 Resp: 140105

Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	13.4	10.9	16.3

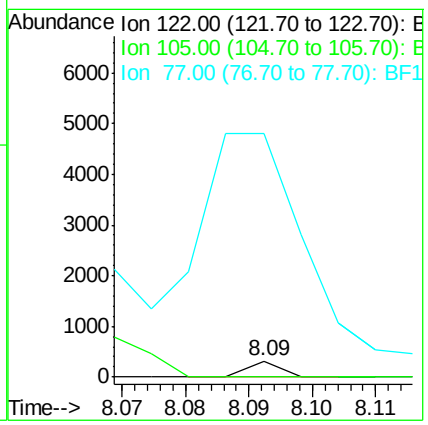


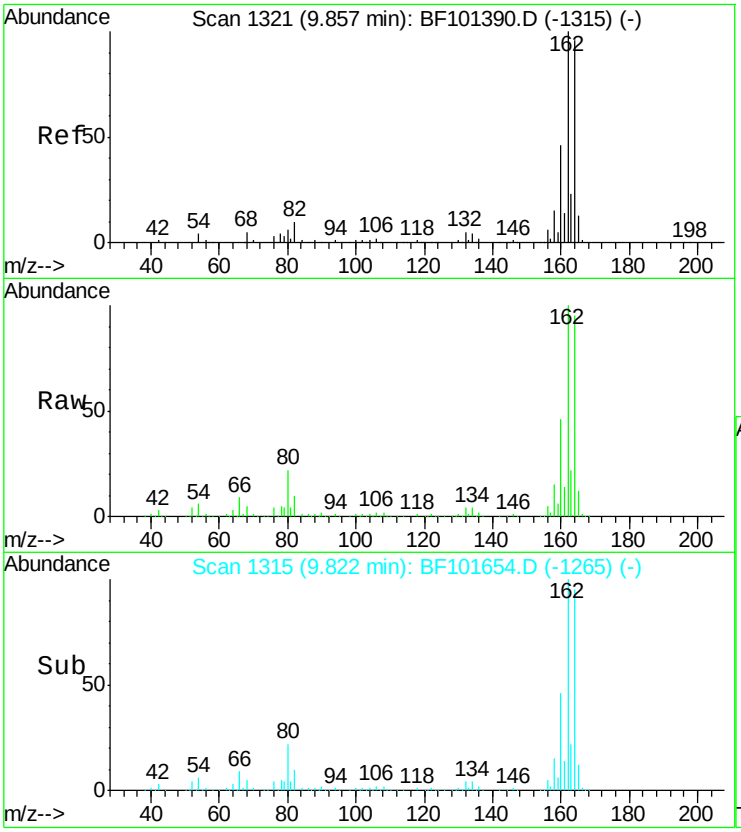


#32
Benzoic acid
Concen: 7.975 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.20 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Tgt Ion:122 Resp: 114

Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.1	141.1#
77	1489.4	70.7	110.7#



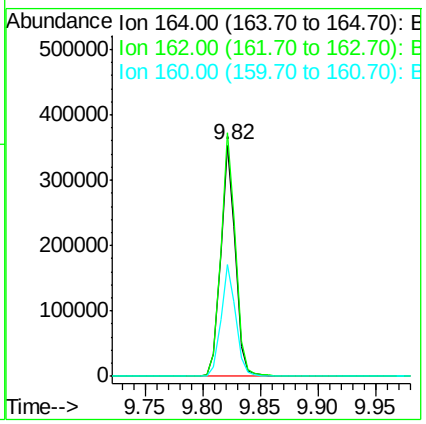


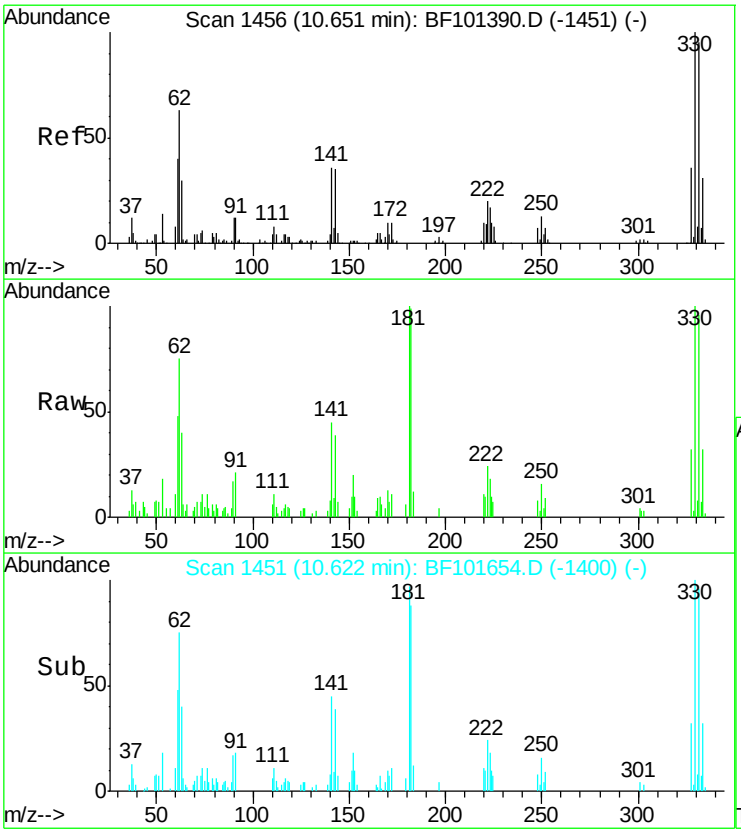
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-4

Tgt Ion:164 Resp: 308520

Ion	Ratio	Lower	Upper
164	100		
162	105.4	86.1	129.1
160	48.1	38.3	57.5

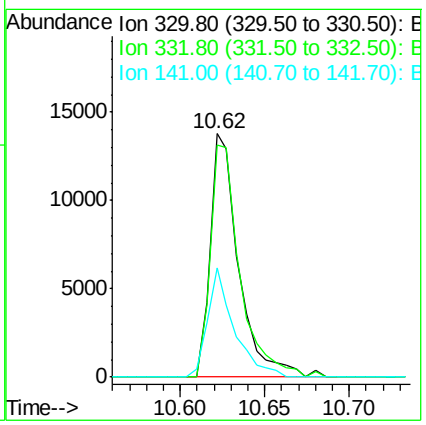


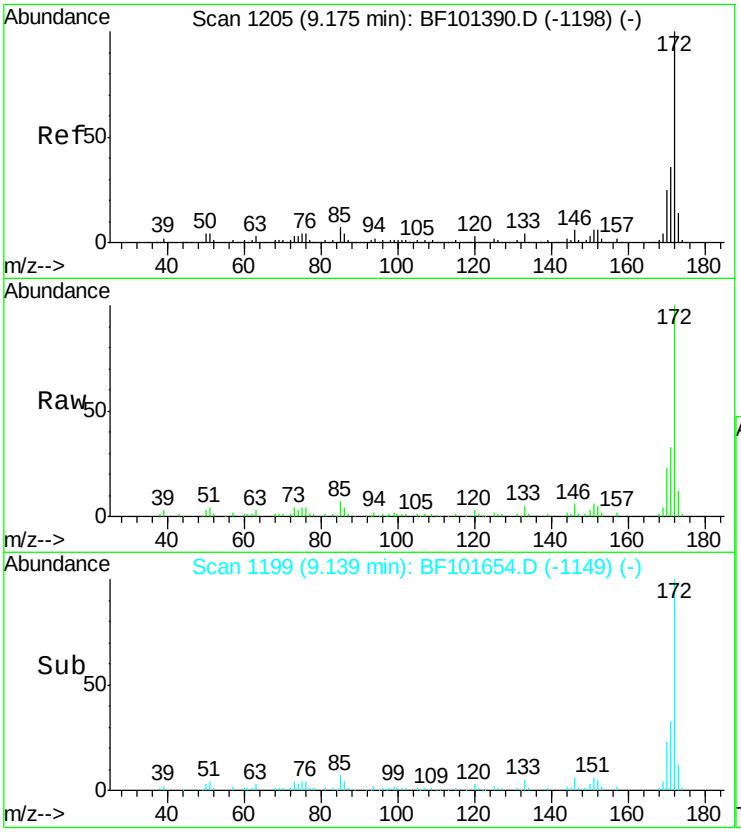


#41
2,4,6-Tribromophenol
Concen: 5.483 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.00 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Tgt Ion:330 Resp: 16301

Ion	Ratio	Lower	Upper
330	100		
332	99.4	77.0	115.6
141	41.7	29.9	44.9



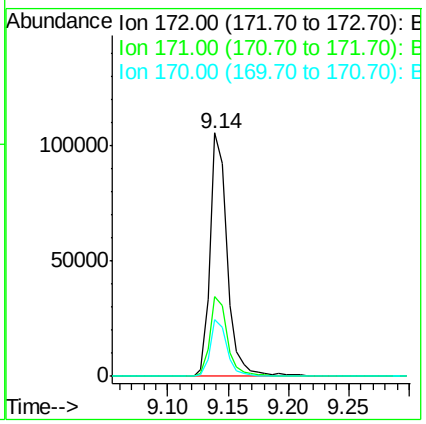


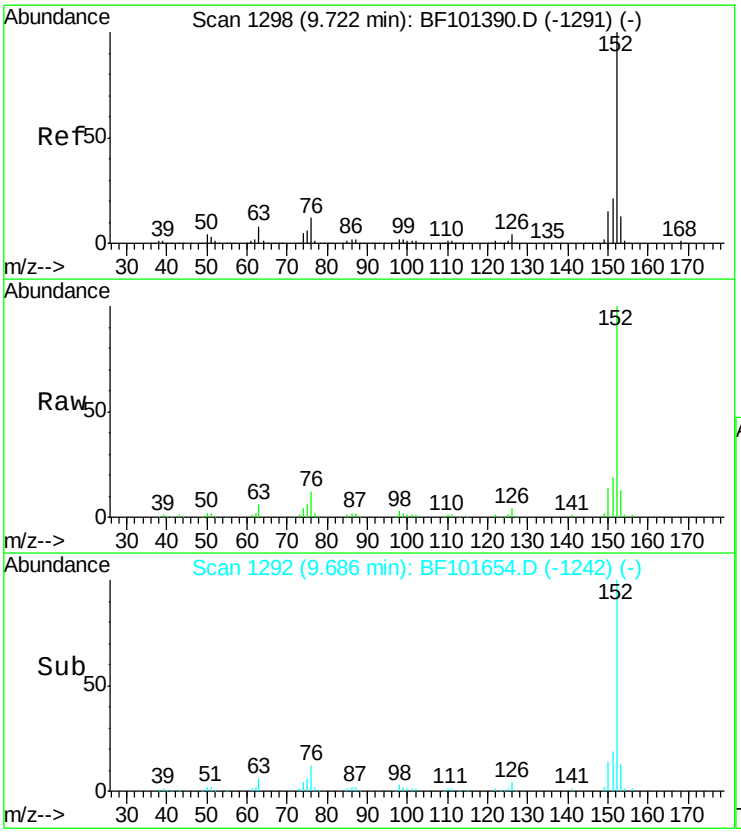
#44
2-Fluorobiphenyl
Concen: 5.170 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-4

Tgt Ion:172 Resp: 102823

Ion	Ratio	Lower	Upper
172	100		
171	32.9	29.7	44.5
170	23.1	19.6	29.4

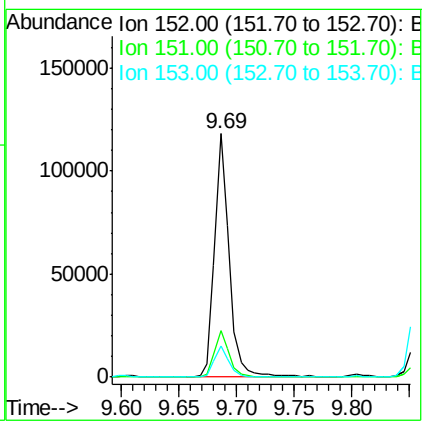


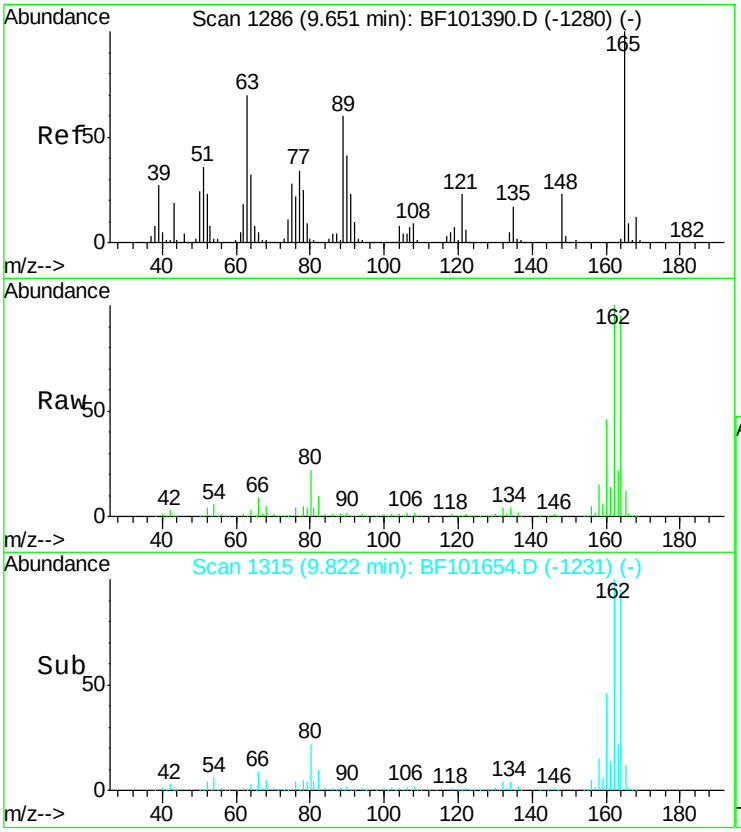


#48
Acenaphthylene
Concen: 3.159 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Tgt Ion:152 Resp: 104460

Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.3	24.5
153	12.6	10.7	16.1



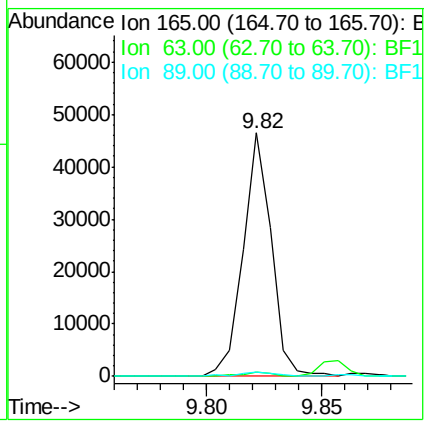


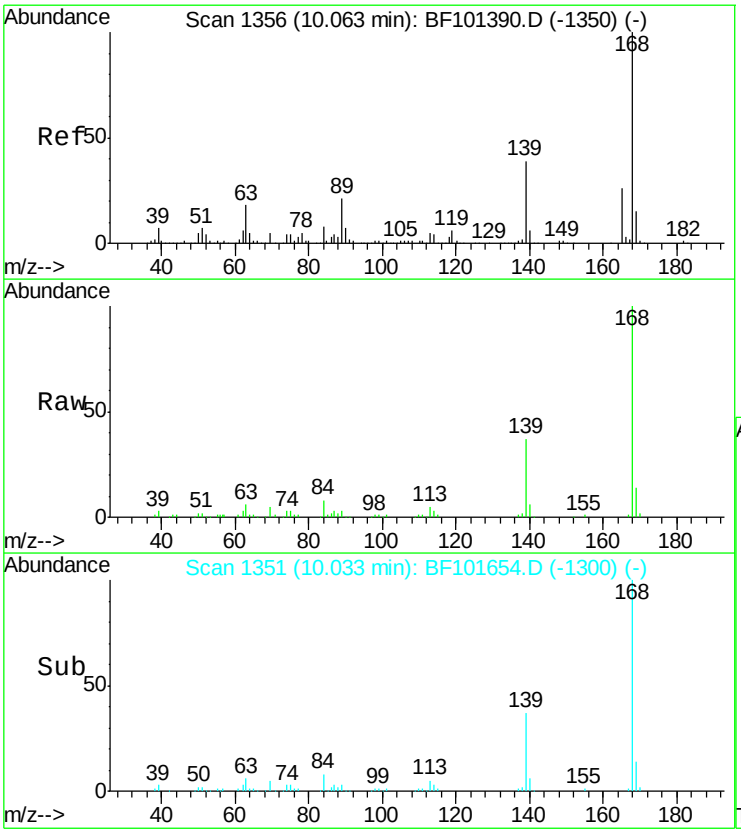
#50
2,6-Dinitrotoluene
Concen: 7.874 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.19 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-4

Tgt Ion:165 Resp: 39716

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

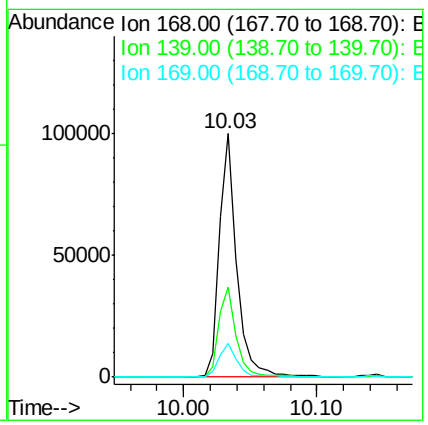


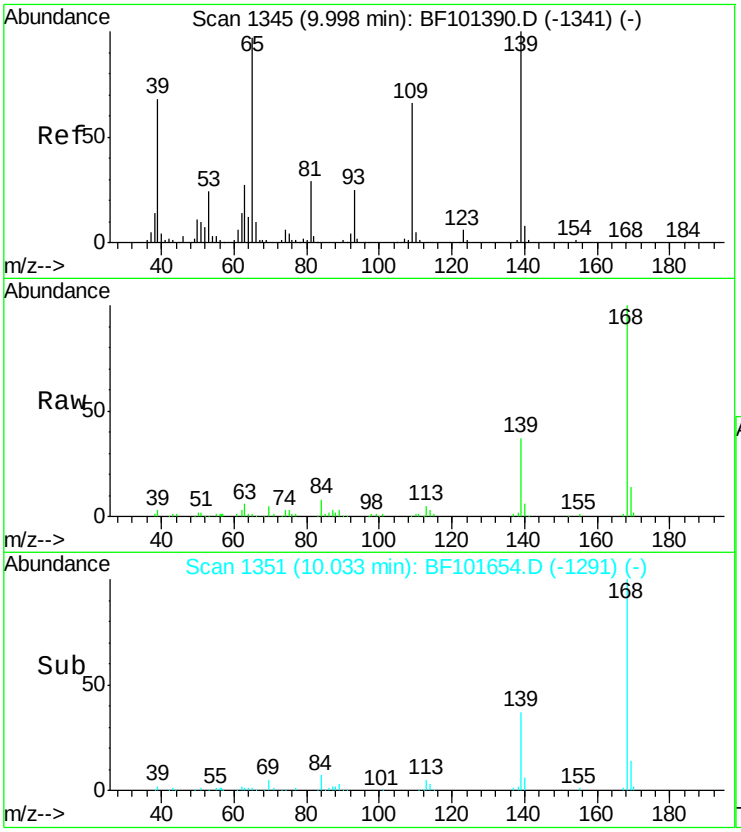


#54
Dibenzofuran
Concen: 3.657 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.00 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Tgt Ion:168 Resp: 92323

Ion	Ratio	Lower	Upper
168	100		
139	37.1	30.1	45.1
169	13.9	10.9	16.3



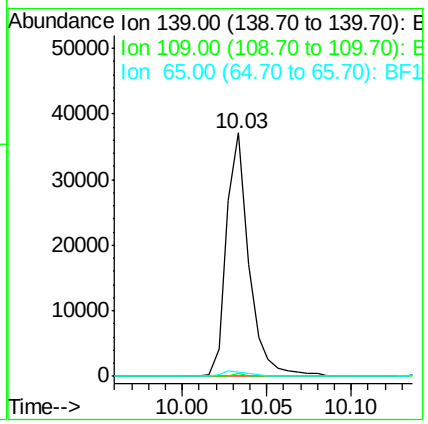


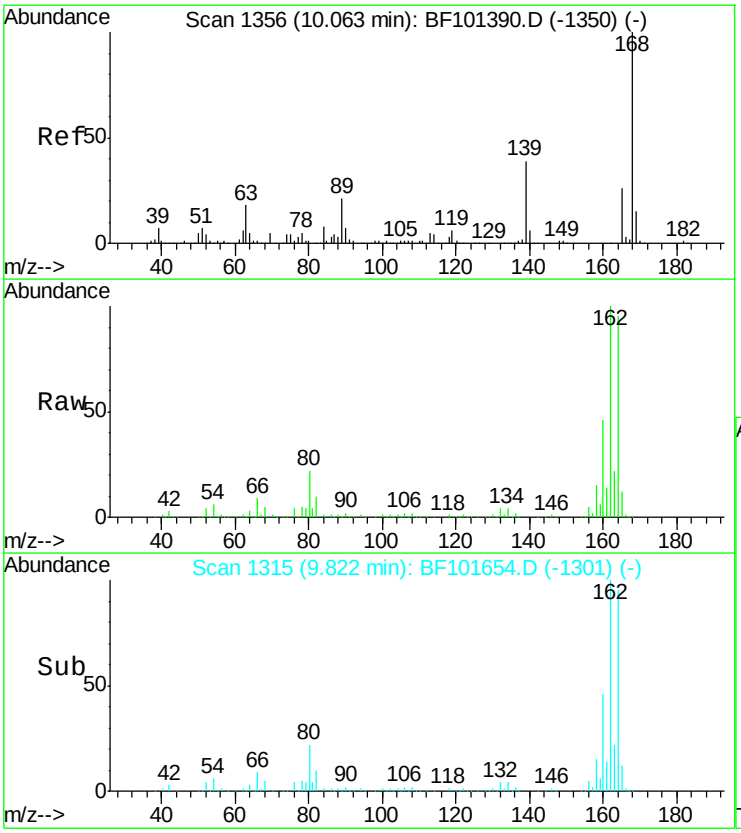
#55
4-Nitrophenol
Concen: 12.607 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.05 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-4

Tgt Ion:139 Resp: 34568

Ion	Ratio	Lower	Upper
139	100		
109	1.0	48.4	88.4#
65	1.8	72.6	112.6#

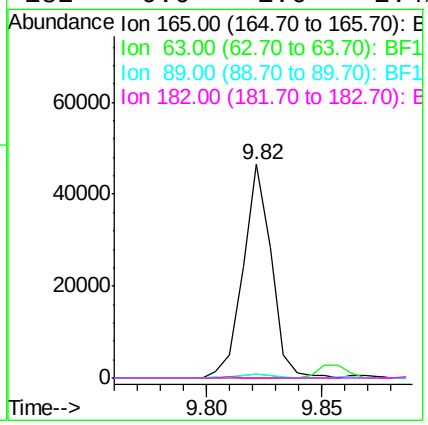


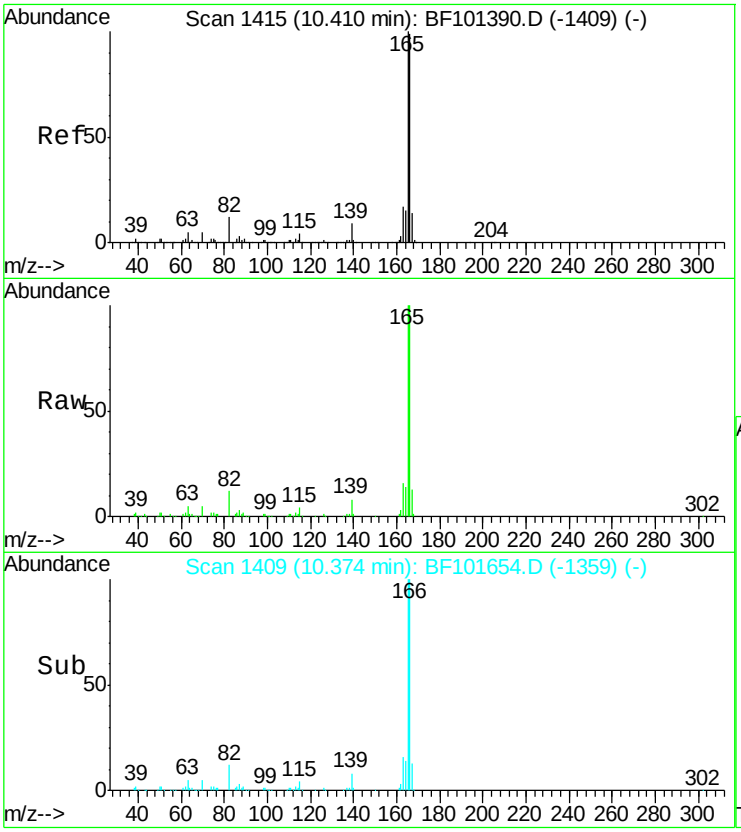


#56
2,4-Dinitrotoluene
Concen: 6.989 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.22 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Tgt Ion:165 Resp: 39716

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



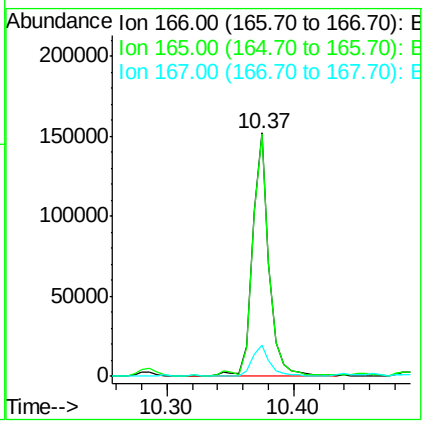


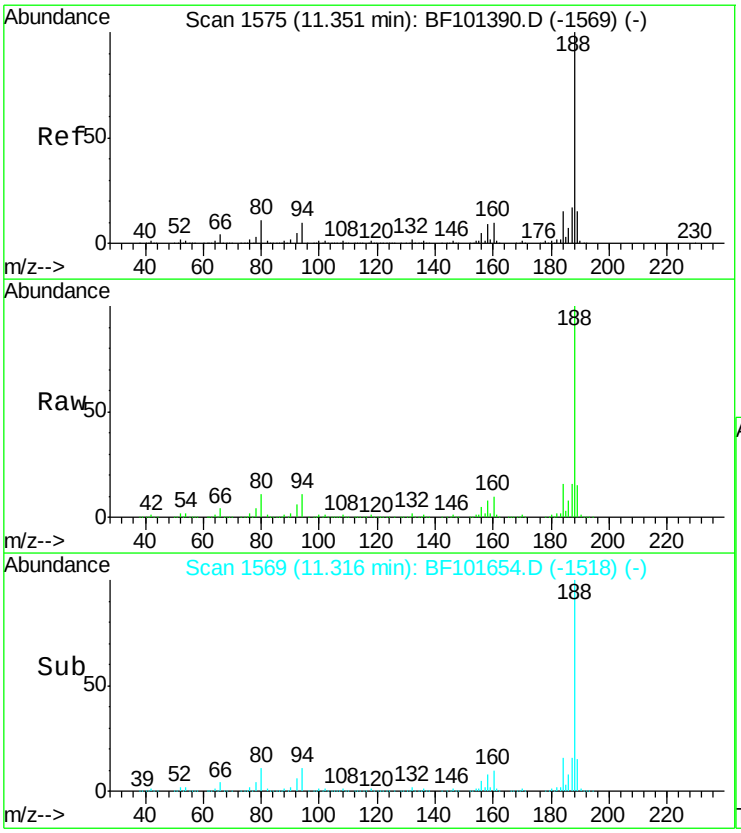
#57
Fluorene
Concen: 6.459 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-4

Tgt Ion:166 Resp: 137957

Ion	Ratio	Lower	Upper
166	100		
165	99.5	79.8	119.8
167	12.8	10.6	16.0

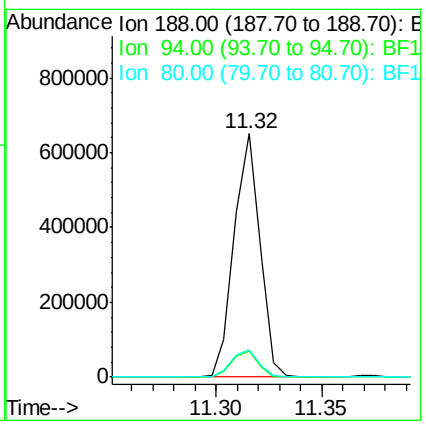


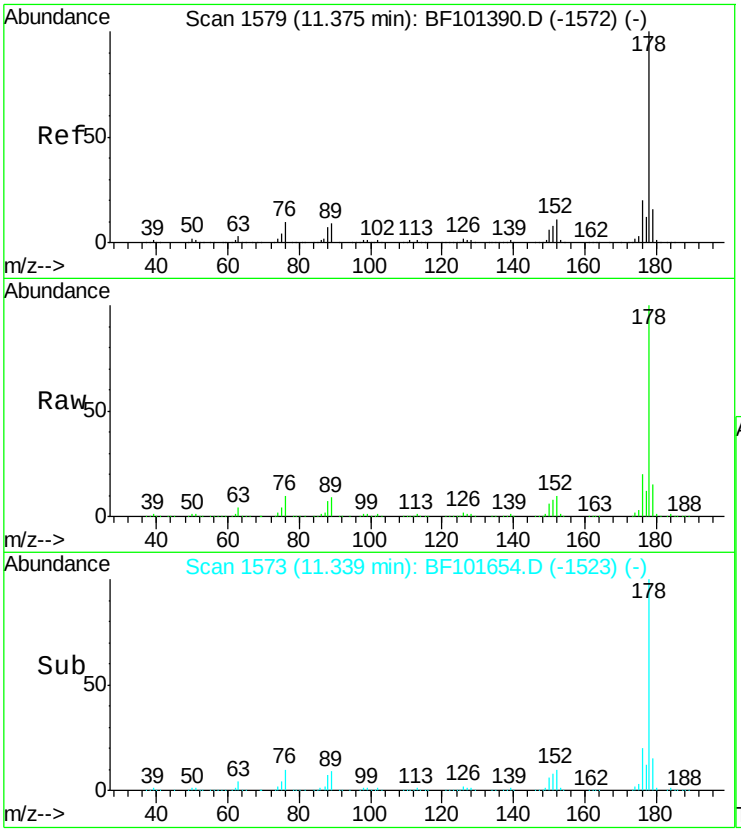


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Tgt Ion:188 Resp: 549597

Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.5	12.7
80	11.2	9.2	13.8



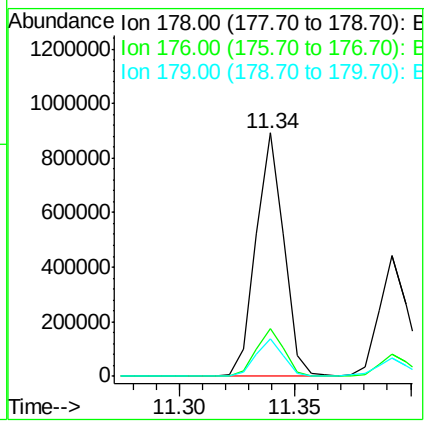


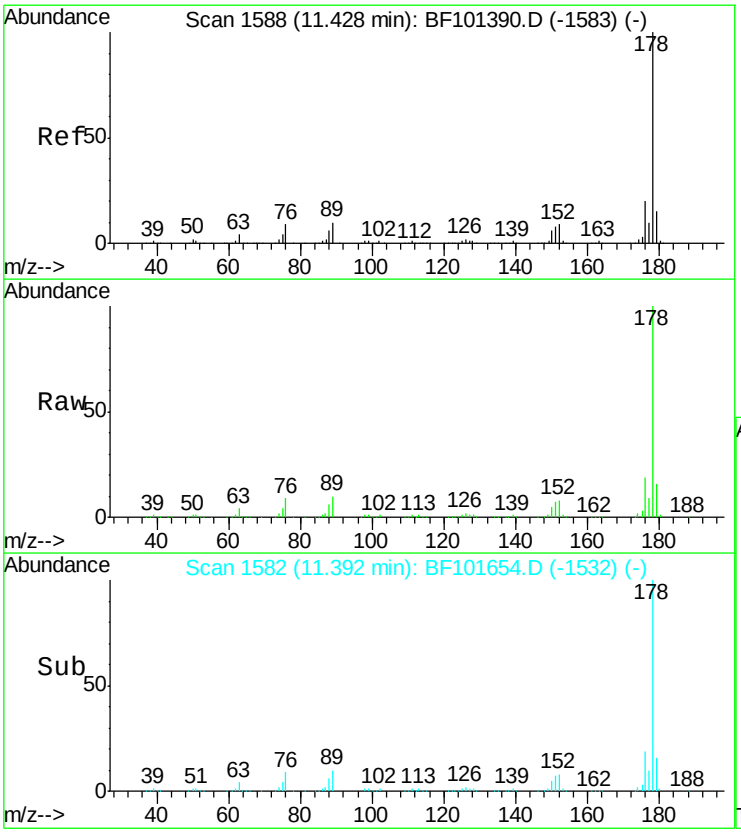
#70
Phenanthrene
Concen: 24.680 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-4

Tgt Ion:178 Resp: 754319

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.3	13.0	19.6

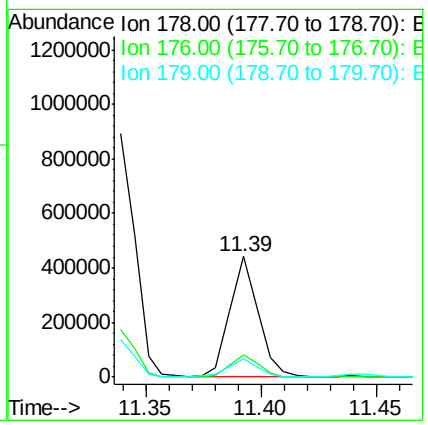


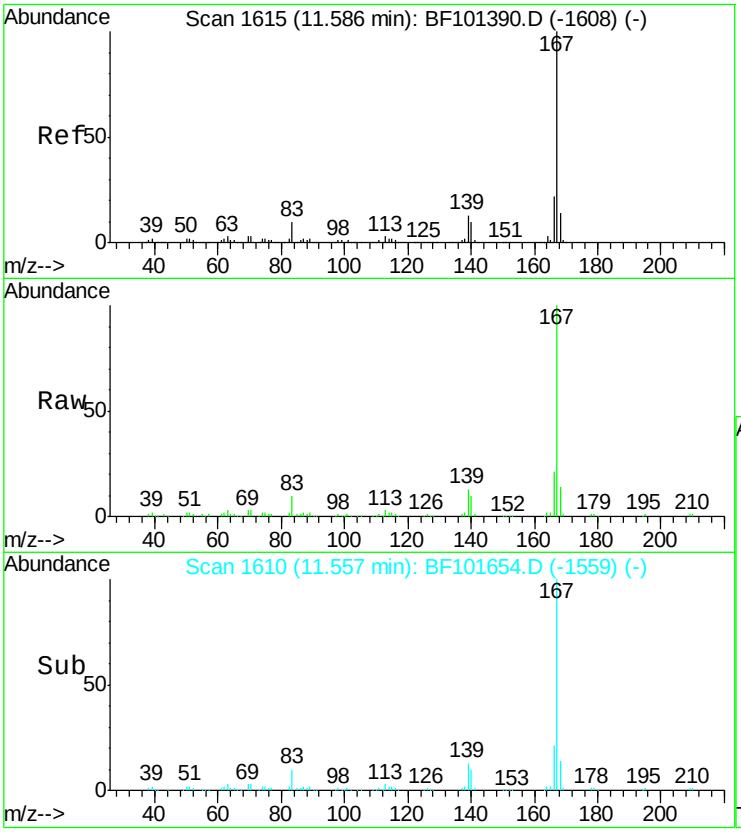


#71
Anthracene
Concen: 12.086 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Tgt Ion:178 Resp: 377331

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.6	12.6	19.0



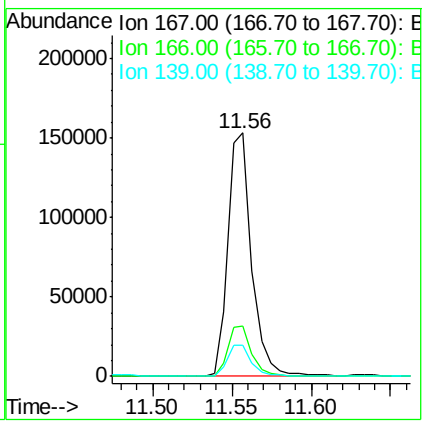


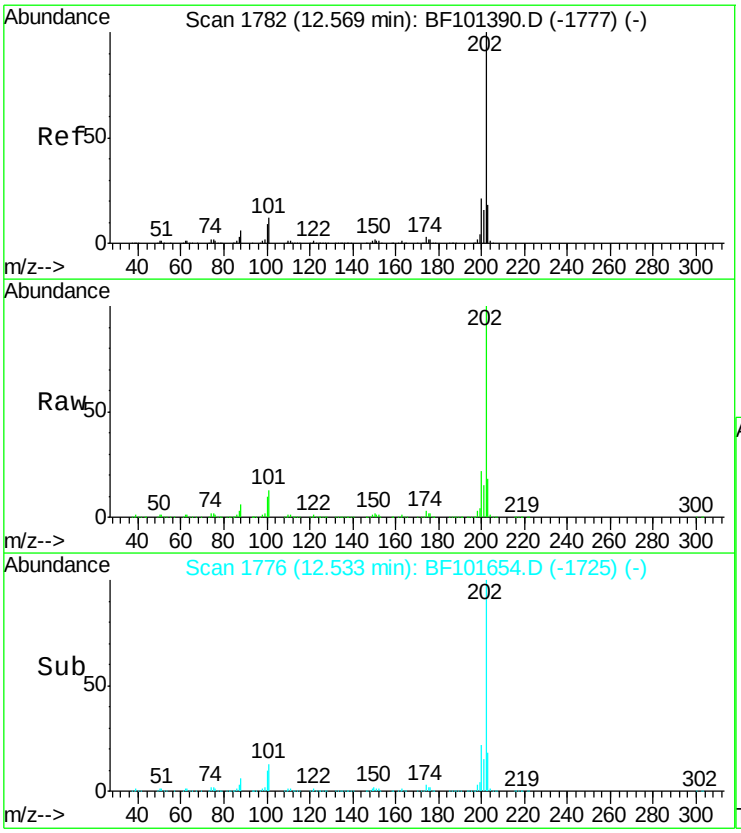
#72
Carbazole
Concen: 5.434 ng
RT: 11.56 min Scan# 1610
Delta R.T. 0.00 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-4

Tgt Ion:167 Resp: 158839

Ion	Ratio	Lower	Upper
167	100		
166	20.6	17.6	26.4
139	12.7	10.9	16.3

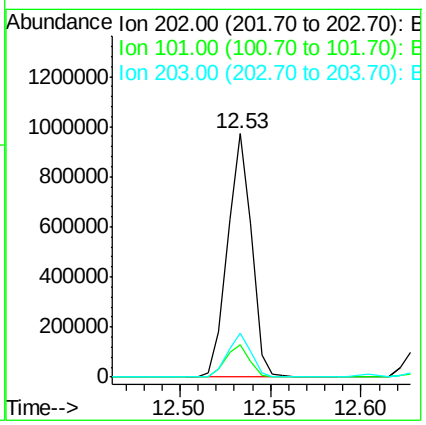


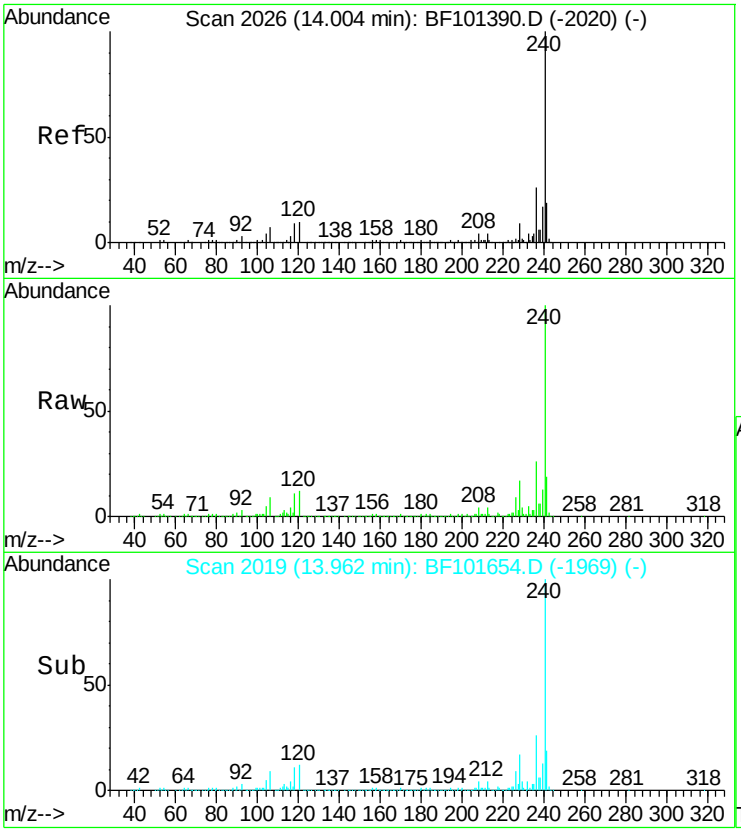


#74
Fluoranthene
Concen: 27.907 ng
RT: 12.53 min Scan# 1776
Delta R.T. 0.00 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Tgt Ion:202 Resp: 895280

Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	34.1
203	18.1	0.0	38.1



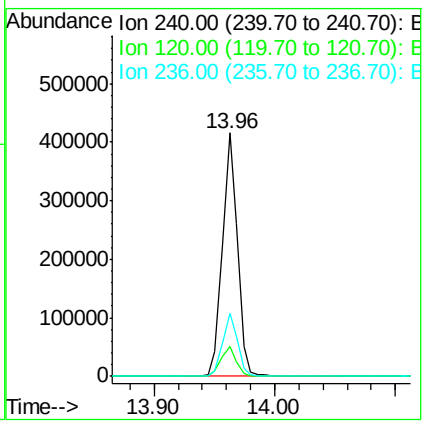


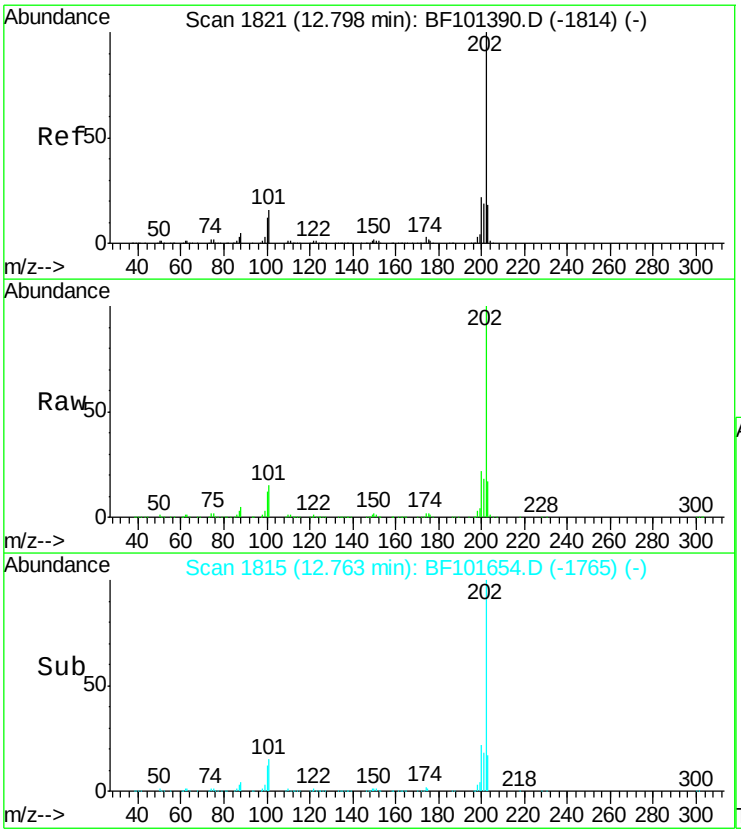
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-4

Tgt Ion:240 Resp: 357493

Ion	Ratio	Lower	Upper
240	100		
120	12.3	9.5	14.3
236	25.8	20.7	31.1

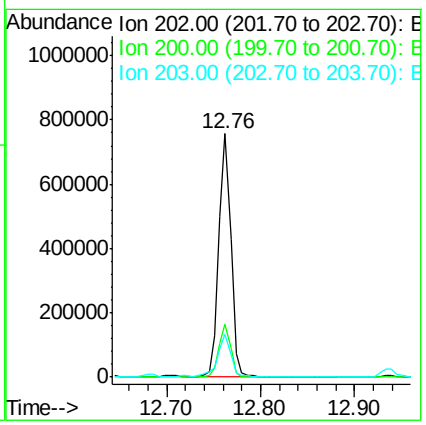


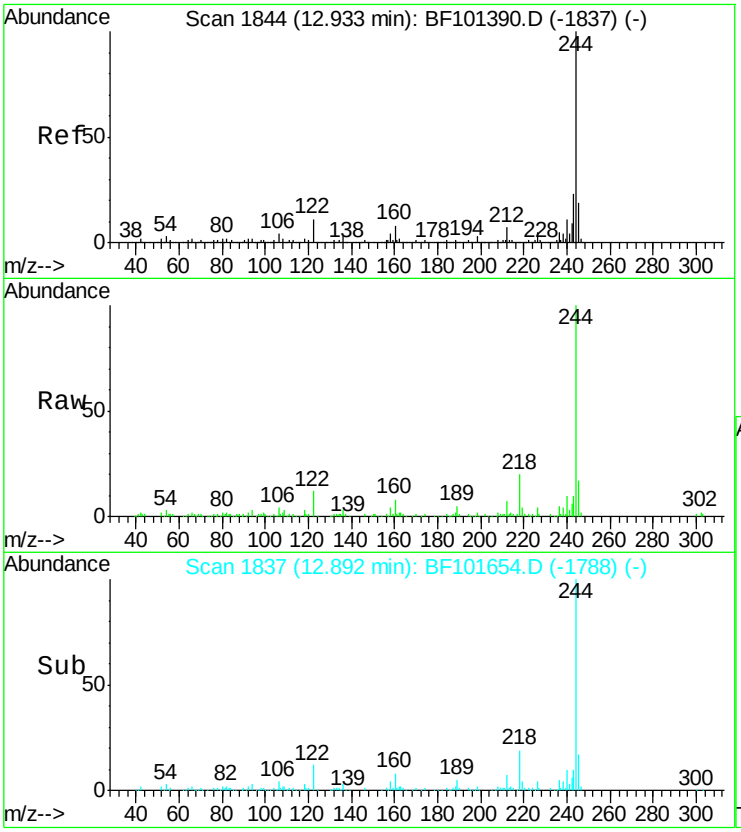


#77
Pyrene
Concen: 25.477 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Tgt Ion:202 Resp: 683538

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



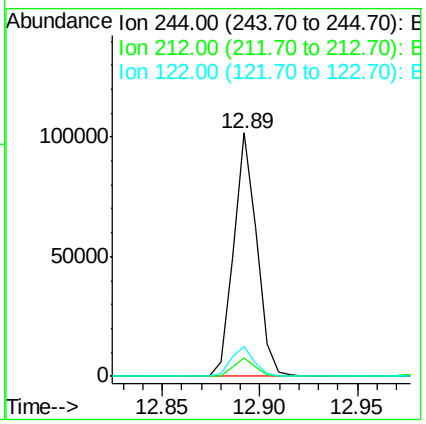


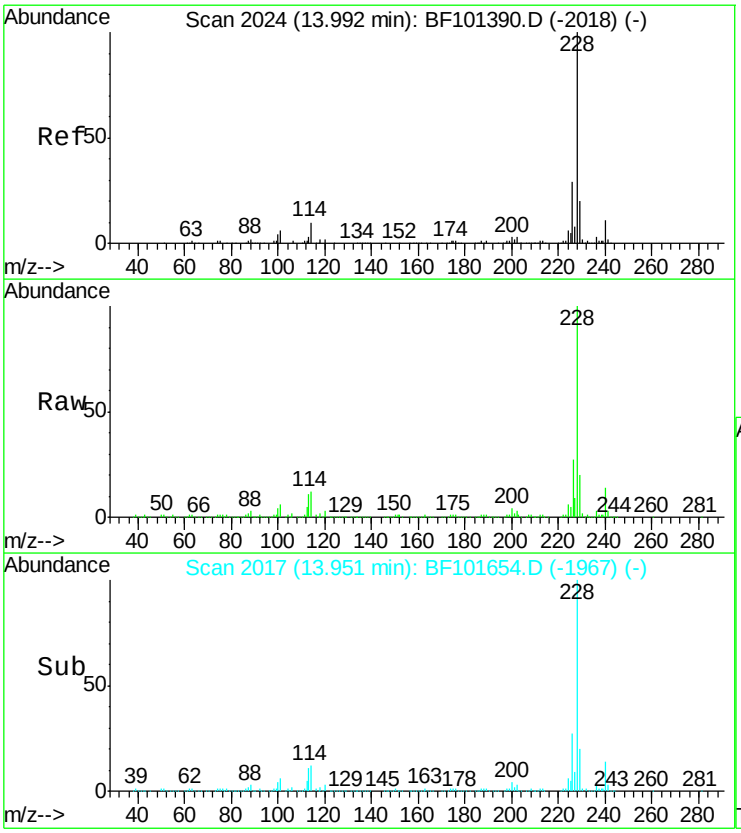
#78
Terphenyl-d14
Concen: 5.640 ng
RT: 12.89 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-4

Tgt Ion:244 Resp: 83631

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	12.2	11.0	16.4

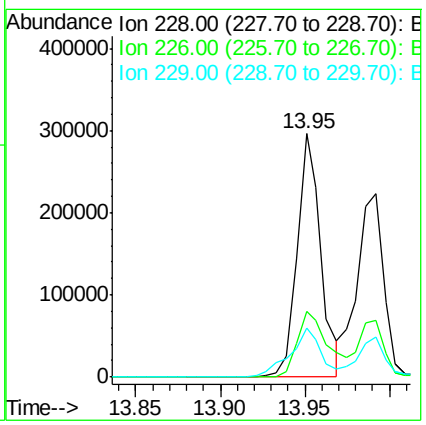


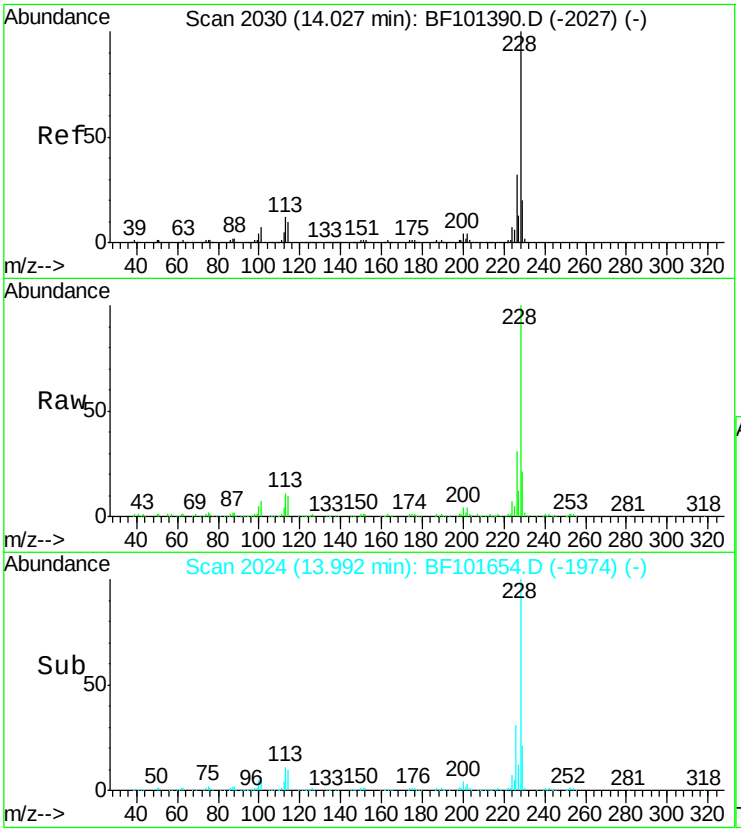


#80
Benzo(a)anthracene
Concen: 12.274 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Tgt Ion:228 Resp: 289744

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.6	33.8
229	20.3	15.8	23.6



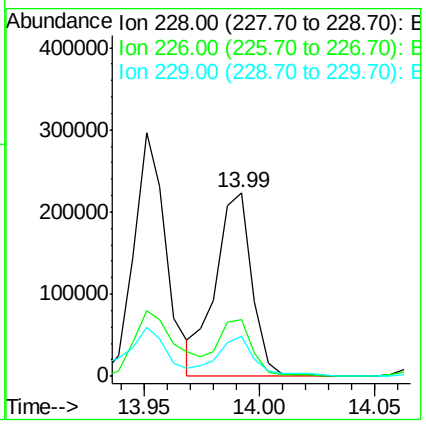


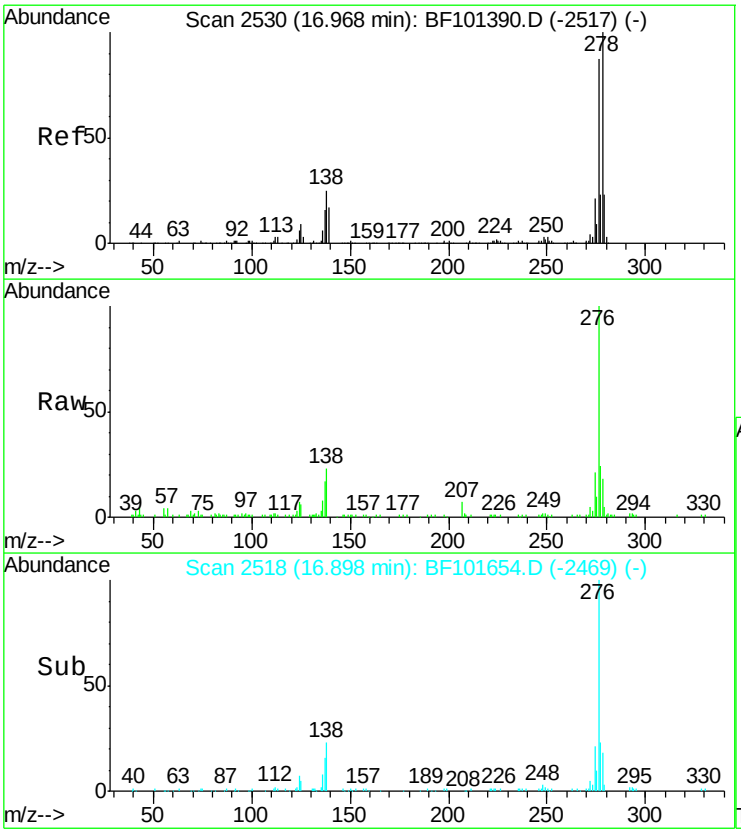
#82
Chrysene
Concen: 10.958 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-4

Tgt Ion:228 Resp: 244231

Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	21.5	16.2	24.4

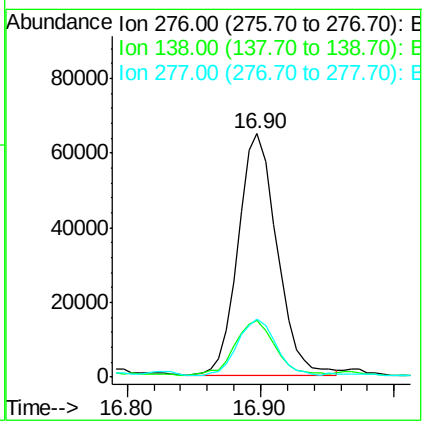


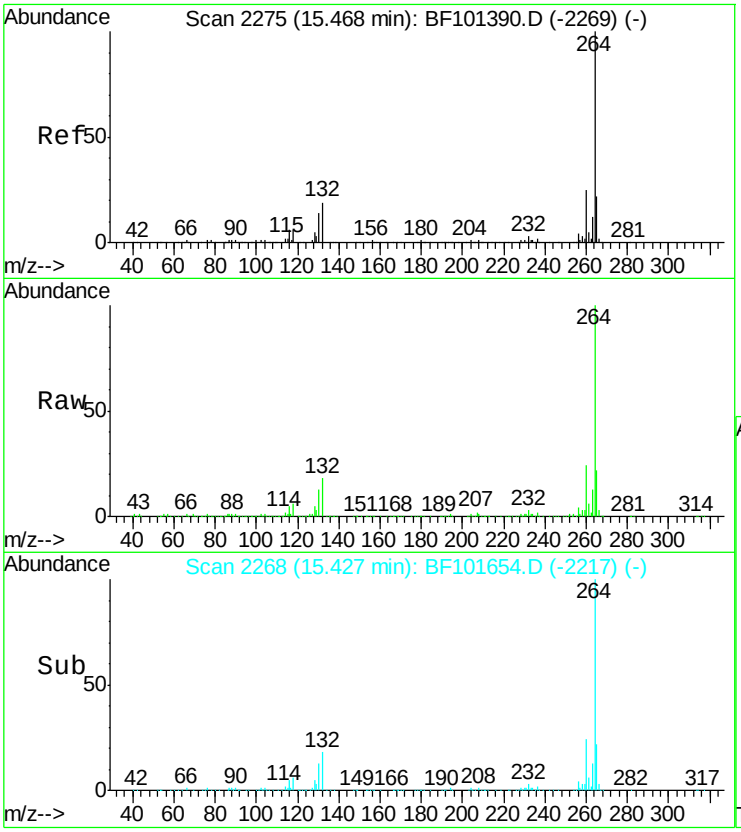


#85
Indeno(1,2,3-cd)pyrene
Concen: 6.592 ng
RT: 16.90 min Scan# 2518
Delta R.T. -0.01 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Tgt Ion:276 Resp: 130833

Ion	Ratio	Lower	Upper
276	100		
138	24.2	25.0	37.6#
277	22.8	20.1	30.1



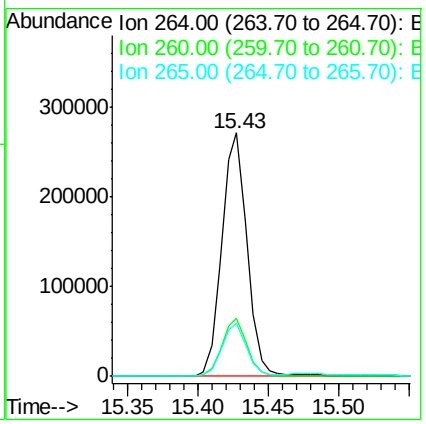


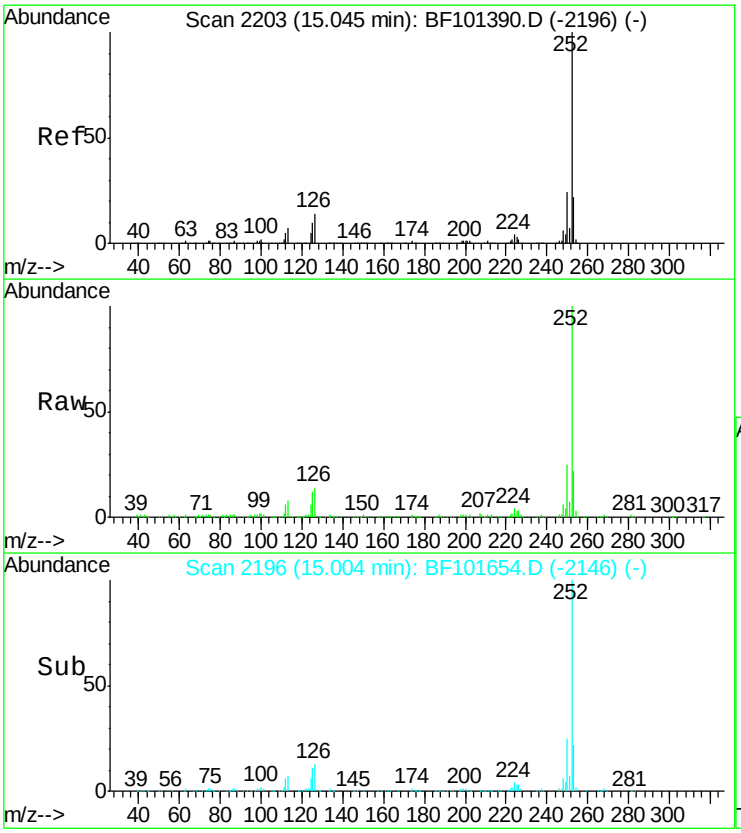
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.00 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-4

Tgt Ion:264 Resp: 336800

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.0	17.5	26.3

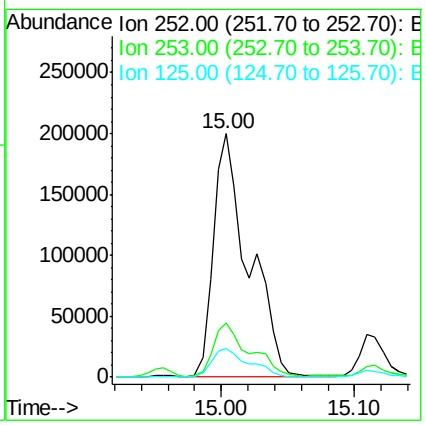


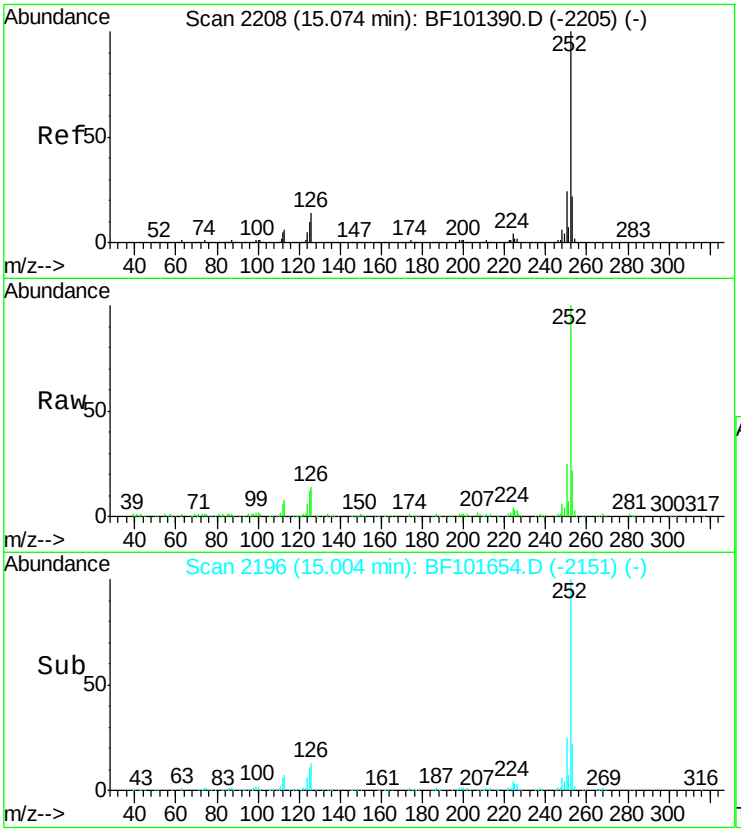


#87
Benzo(b)fluoranthene
Concen: 17.806 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Tgt Ion:252 Resp: 365539

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	11.6	9.0	13.6



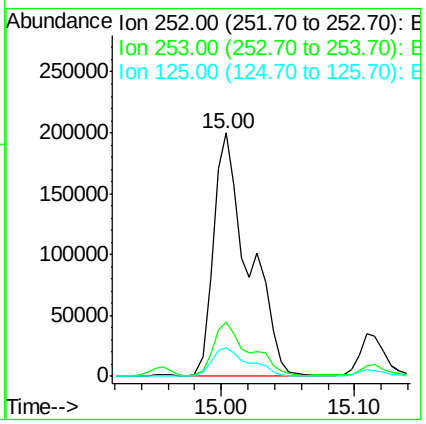


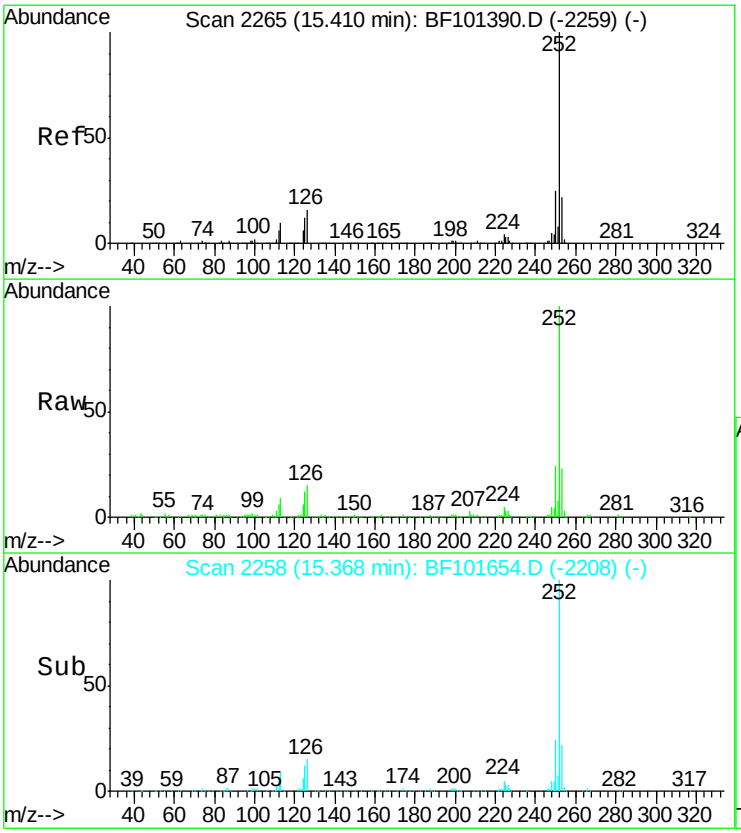
#88
Benzo(k)fluoranthene
Concen: 18.314 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.04 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-4

Tgt Ion:252 Resp: 365539

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	11.6	10.2	15.2

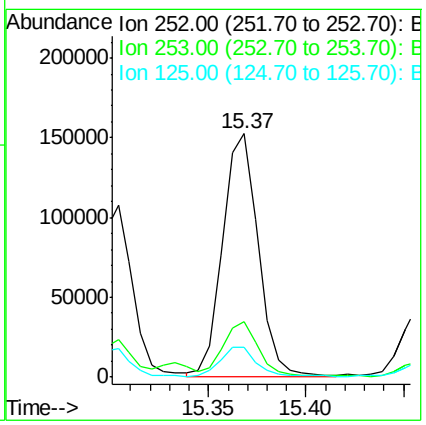


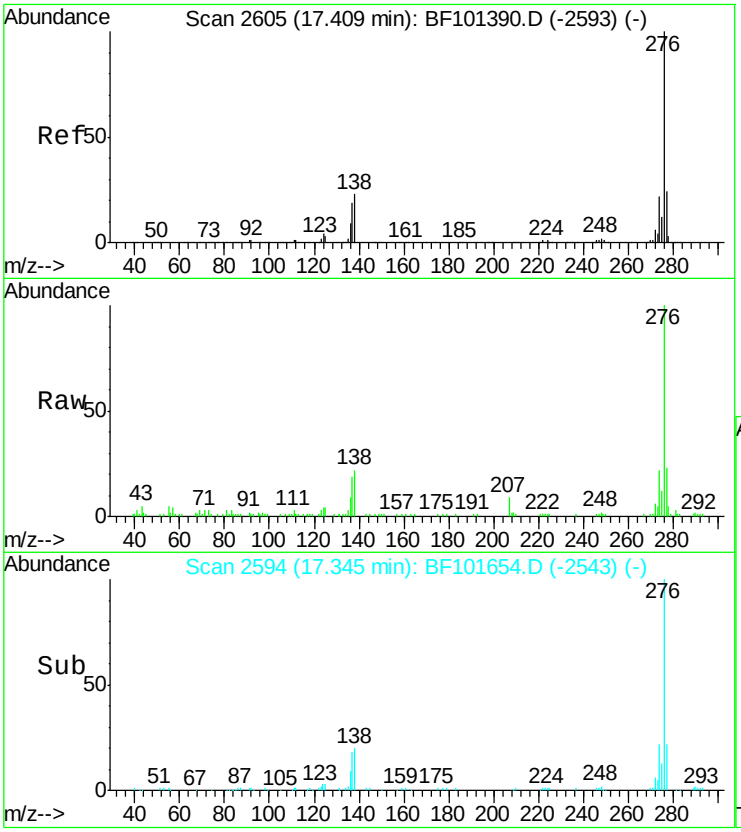


#89
Benzo(a)pyrene
Concen: 10.105 ng
RT: 15.37 min Scan# 2258
Delta R.T. -0.01 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Tgt Ion:252 Resp: 191226

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	12.2	9.8	14.6





#91
Benzo(g,h,i)perylene
Concen: 7.561 ng
RT: 17.34 min Scan# 2594
Delta R.T. 0.00 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-4

Tgt Ion:276 Resp: 121645

Ion	Ratio	Lower	Upper
276	100		
277	22.9	17.9	26.9
138	21.6	21.8	32.8#