Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
Data File : BF101049.D
Acq On : 1 Dec 2017 7:16
Operator : SJ/JU
Sample : I6304-24DL 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Dec 01 10:02:02 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 09:47:02 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	57365	20.00	ng		0.00
21) Naphthalene-d8	8.13	136	220330	20.00	ng		0.00
38) Acenaphthene-d10	9.89	164	87304	20.00	ng		0.00
63) Phenanthrene-d10	11.38	188	135274	20.00	ng		0.00
75) Chrysene-d12	14.03	240	127006	20.00	ng		0.00
86) Perylene-d12	15.50	264	94288	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.46	112	17363	5.00	ng		0.00
7) Phenol-d6	6.47	99	22298	5.29	ng		-0.01
23) Nitrobenzene-d5	7.41	82	12111	3.28	ng		-0.01
41) 2,4,6-Tribromophenol	10.68	330	3914	3.73	ng		0.00
44) 2-Fluorobiphenyl	9.20	172	28261	4.43	ng		0.00
78) Terphenyl-d14	12.96	244	21863	3.77	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.16	128	110005	10.130	ng		99
33) 4-Chloroaniline	8.16	127	13960	3.200	ng	#	33
37) 2-Methylnaphthalene	8.85	142	51079	6.923	ng		98
48) Acenaphthylene	9.75	152	23738	2.543	ng		99
50) 2,6-Dinitrotoluene	9.89	165	13040	8.793	ng	#	24
51) Acenaphthene	9.92	154	33712	6.031	ng		99
54) Dibenzofuran	10.09	168	53681	6.664	ng	#	95
55) 4-Nitrophenol	10.09	139	19098	16.981	ng	#	10
57) Fluorene	10.44	166	73800	11.270	ng		98
70) Phenanthrene	11.40	178	342798	46.016	ng		99
71) Anthracene	11.46	178	114540	15.192	ng		95
72) Carbazole	11.61	167	20871	3.030	ng		97
74) Fluoranthene	12.60	202	388430	47.039	ng		96
77) Pyrene	12.83	202	363521	41.480	ng		99
80) Benzo(a)anthracene	14.02	228	218588	27.259	ng		99
82) Chrysene	14.05	228	163590	21.966	ng		96
85) Indeno(1,2,3-cd)pyrene	16.98	276	54689	8.260	ng	#	90
87) Benzo(b)fluoranthene	15.07	252	226758	40.151	ng		98
88) Benzo(k)fluoranthene	15.07	252	226758	40.753	ng	#	97
89) Benzo(a)pyrene	15.37	252	69388	13.514	ng		97
90) Dibenzo(a,h)anthracene	17.16	278	15295	3.379	ng		96
91) Benzo(g,h,i)perylene	17.43	276	53778	12.607	ng		90

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

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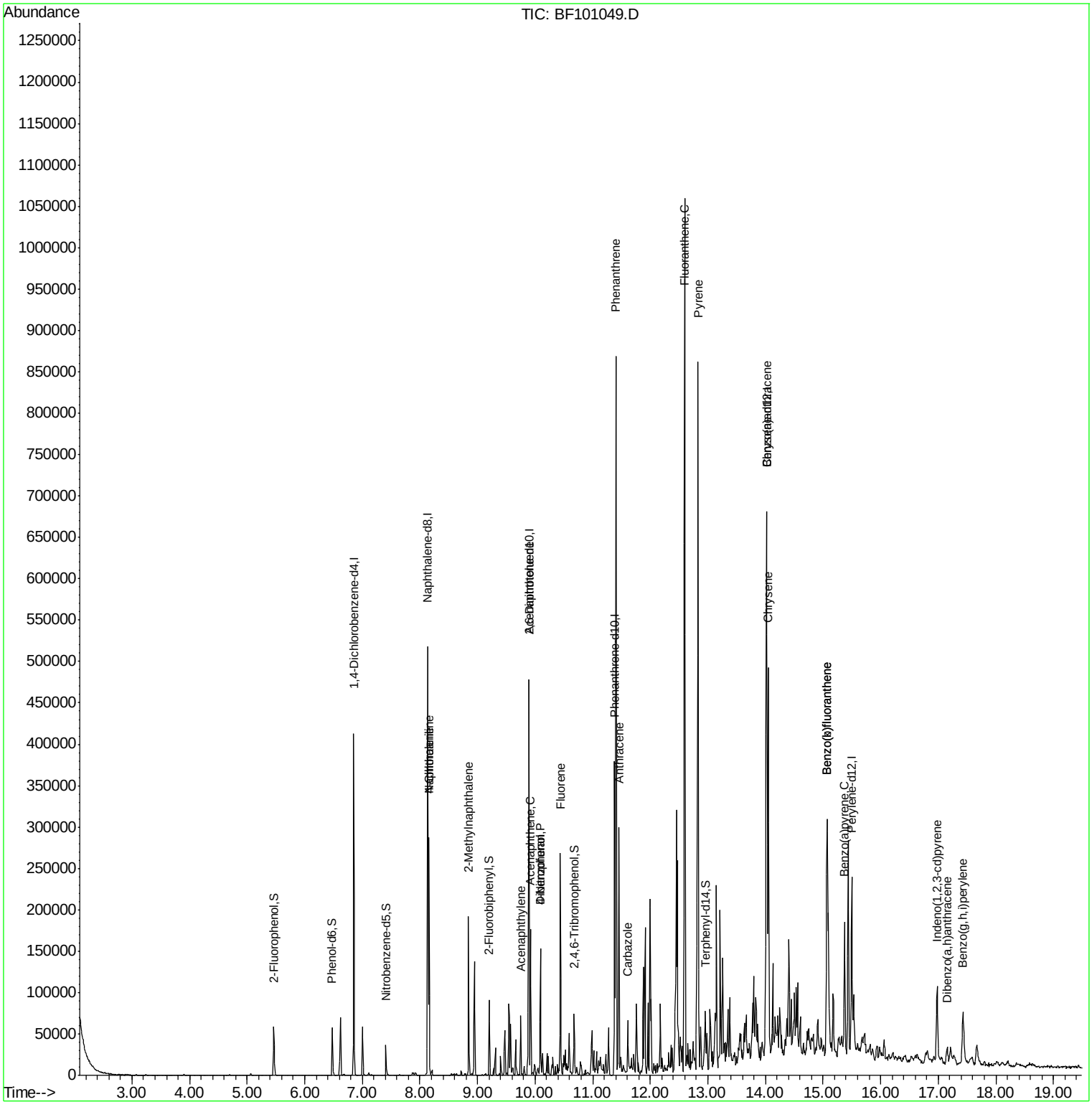
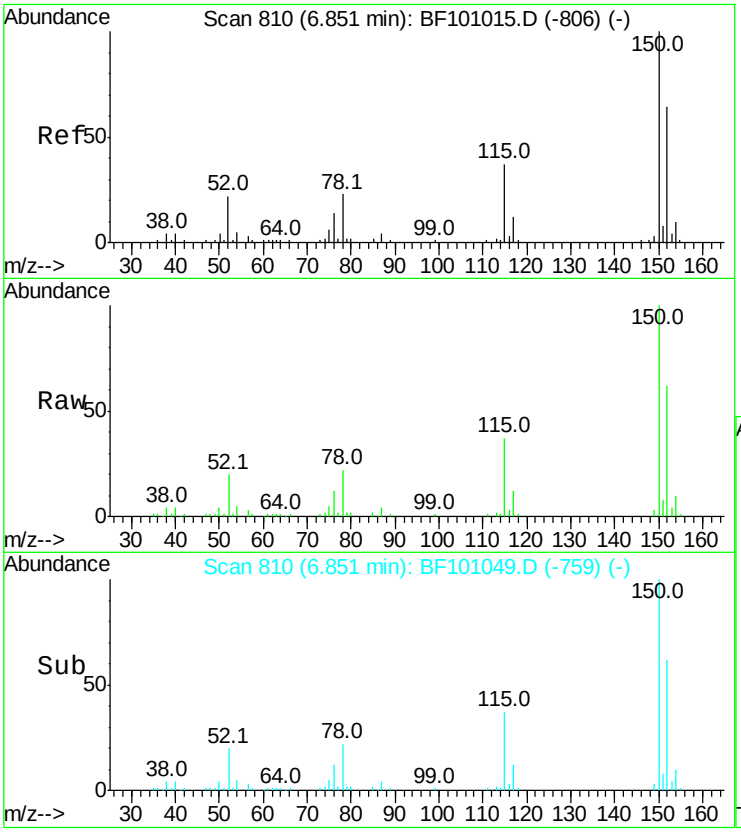


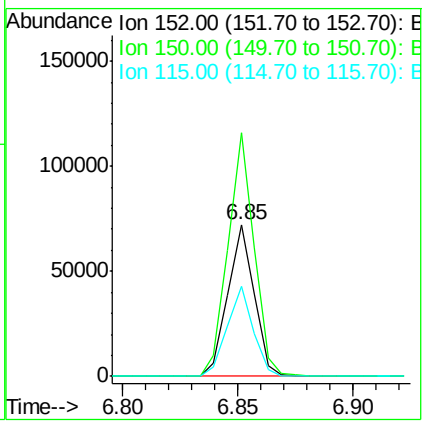


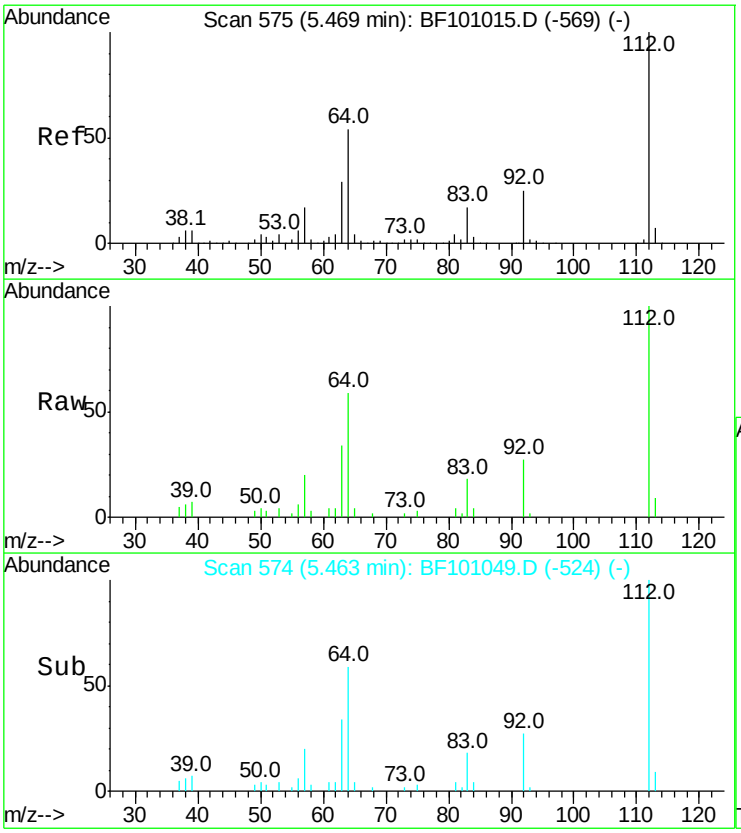
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 57365

Ion	Ratio	Lower	Upper
152	100		
150	160.2	124.6	186.8
115	58.8	50.1	75.1

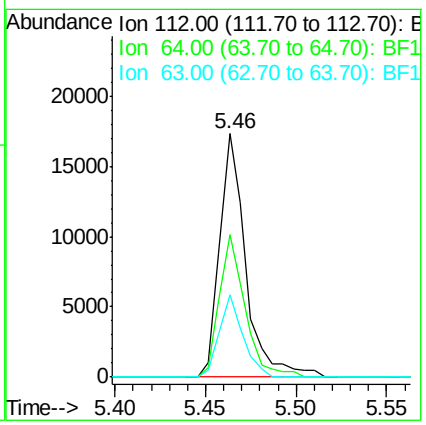


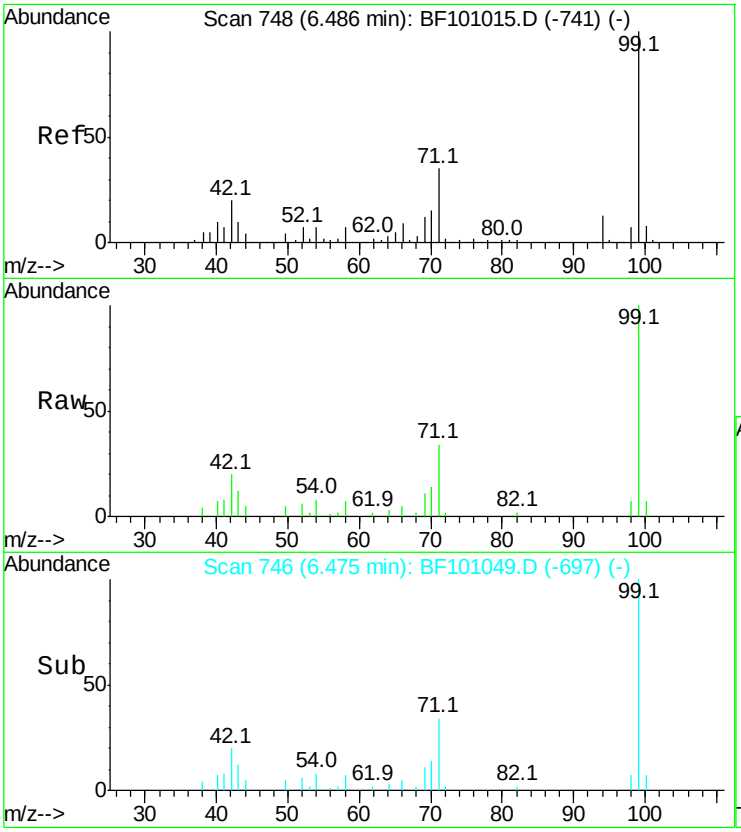


#5
2-Fluorophenol
Concen: 5.002 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.00 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Tgt Ion:112 Resp: 17363

Ion	Ratio	Lower	Upper
112	100		
64	58.5	47.9	71.9
63	33.6	23.7	35.5



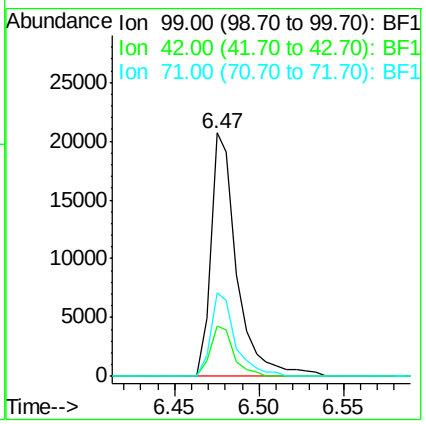


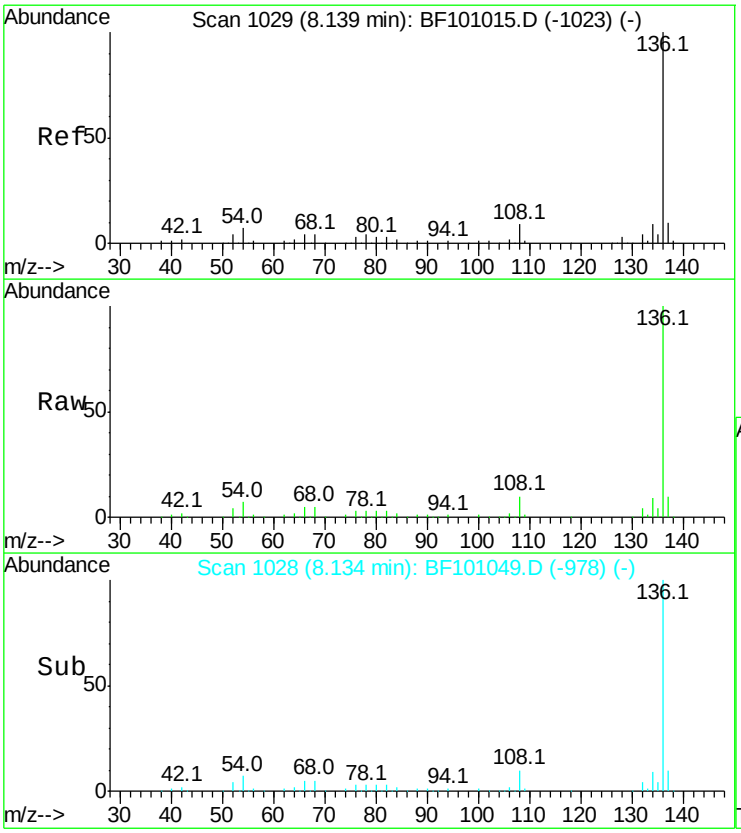
#7
Phenol-d6
Concen: 5.290 ng
RT: 6.47 min Scan# 746
Delta R.T. -0.01 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 22298

Ion	Ratio	Lower	Upper
99	100		
42	20.5	14.5	21.7
71	34.2	25.4	38.0

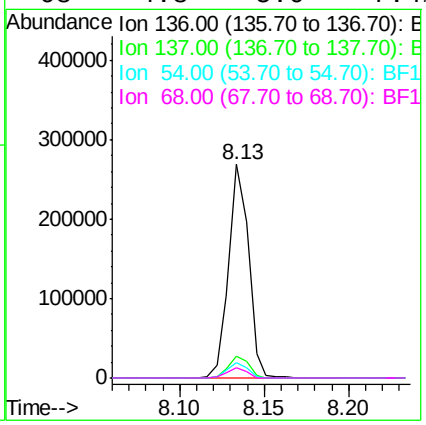


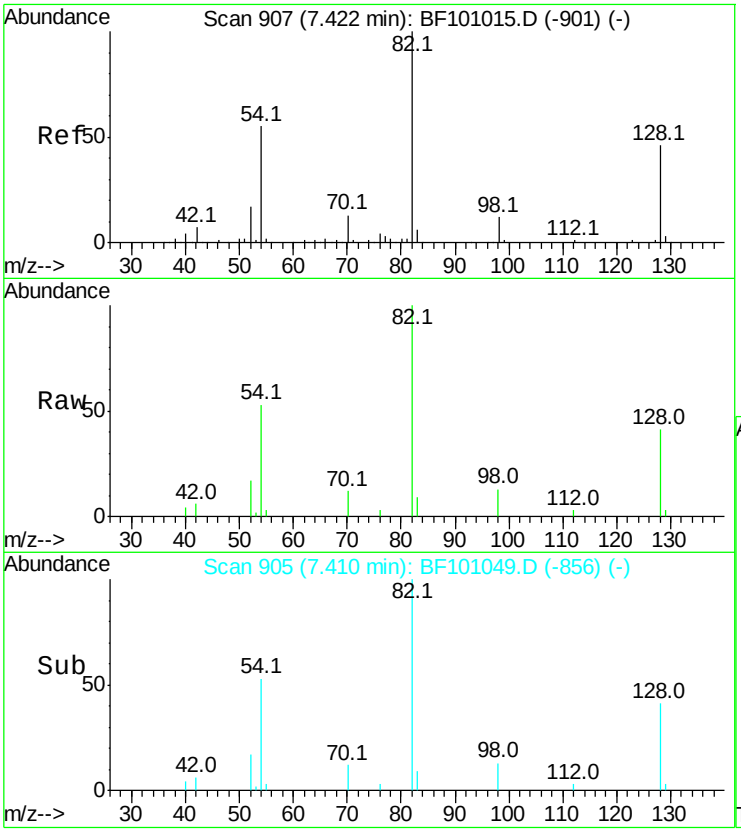


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Tgt Ion:136 Resp: 220330

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	7.4	6.6	9.8
68	4.8	5.0	7.4#



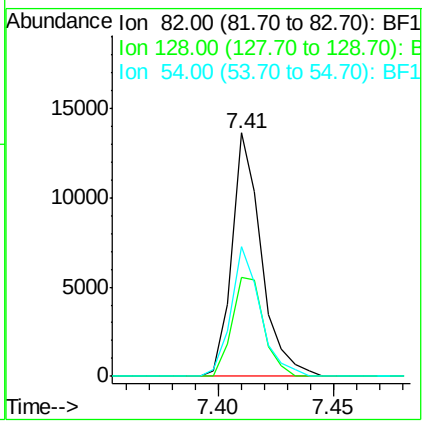


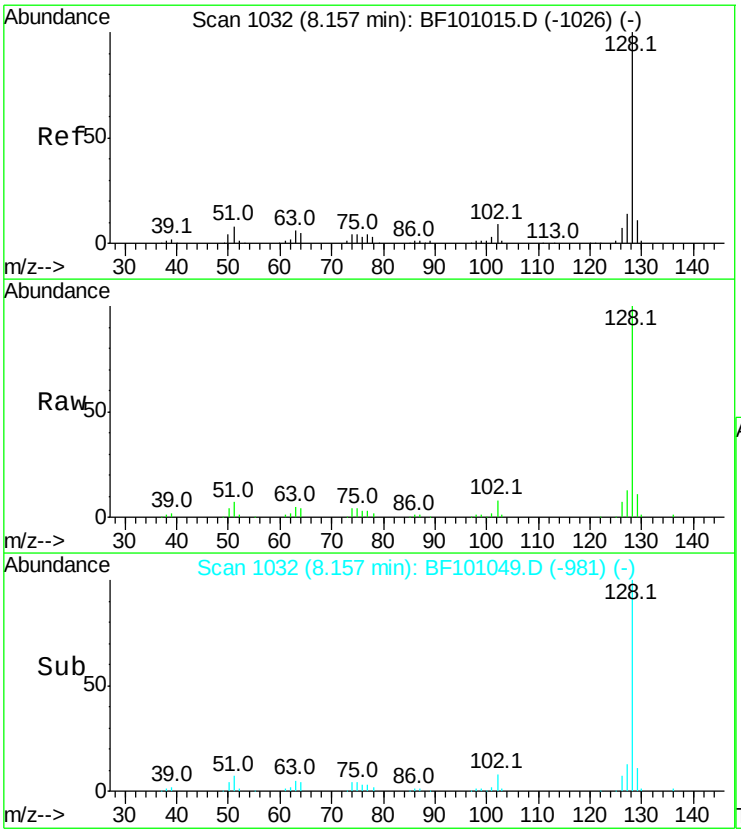
#23
Nitrobenzene-d5
Concen: 3.279 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 12111

Ion	Ratio	Lower	Upper
82	100		
128	40.8	36.1	54.1
54	53.3	41.4	62.2

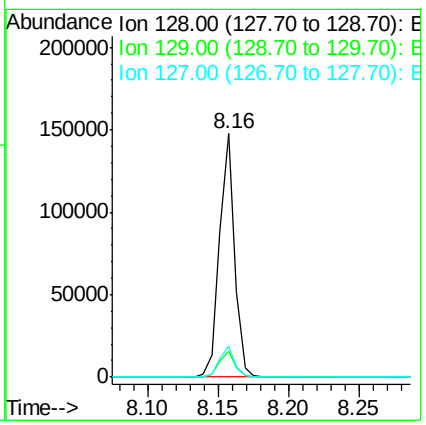


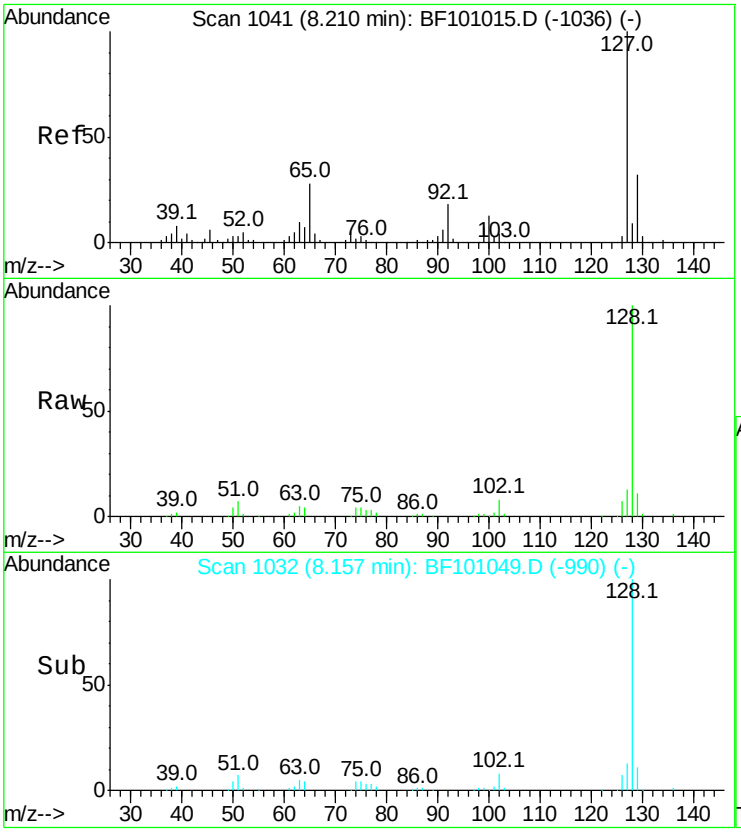


#31
Naphthalene
Concen: 10.130 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Tgt Ion:128 Resp: 110005

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.0	10.9	16.3



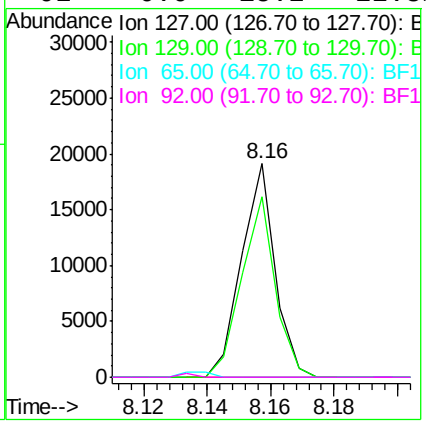


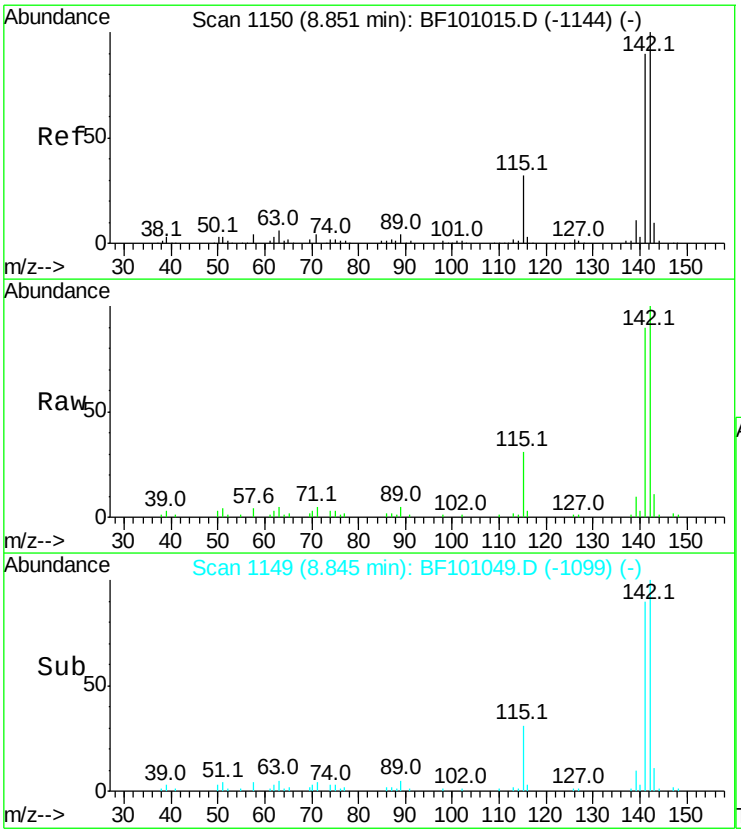
#33
4-Chloroaniline
Concen: 3.200 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.05 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:127 Resp: 13960

Ion	Ratio	Lower	Upper
127	100		
129	84.5	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

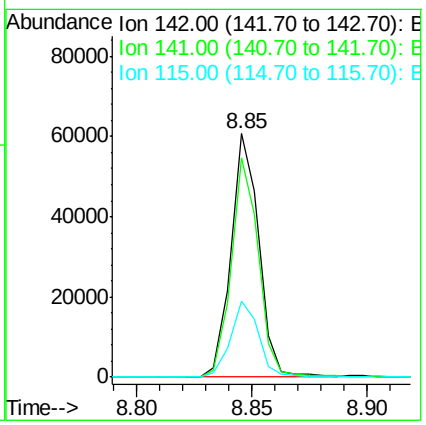


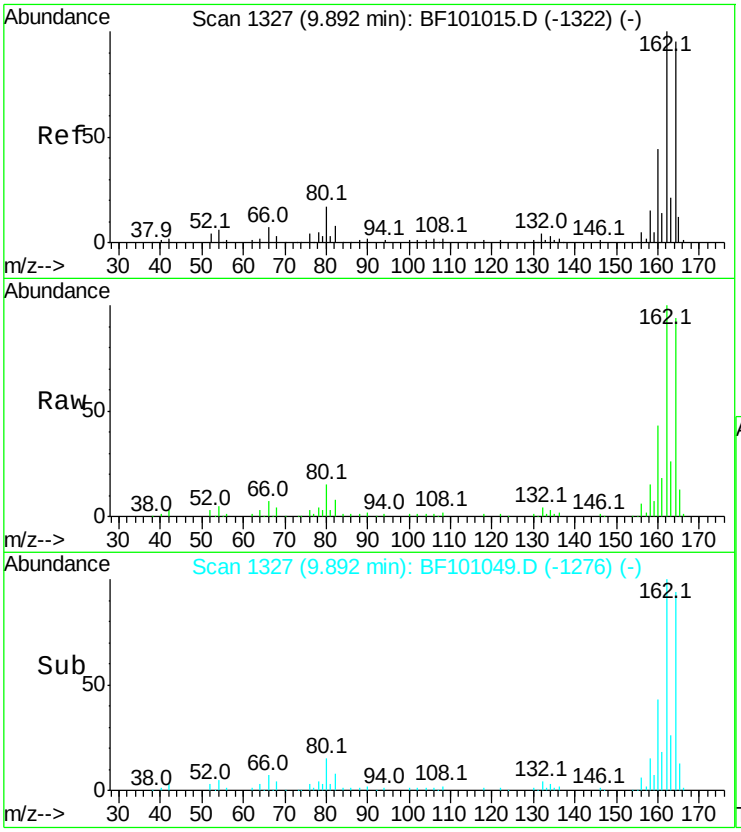


#37
2-Methylnaphthalene
Concen: 6.923 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Tgt Ion:142 Resp: 51079

Ion	Ratio	Lower	Upper
142	100		
141	89.9	70.8	106.2
115	31.0	26.1	39.1



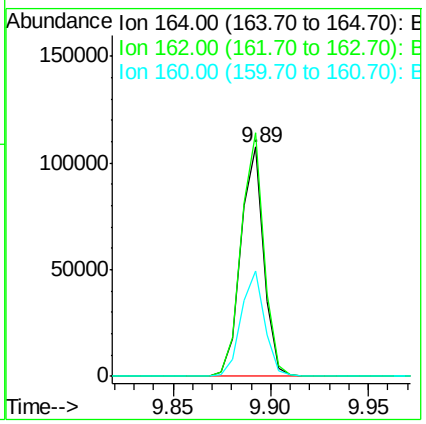


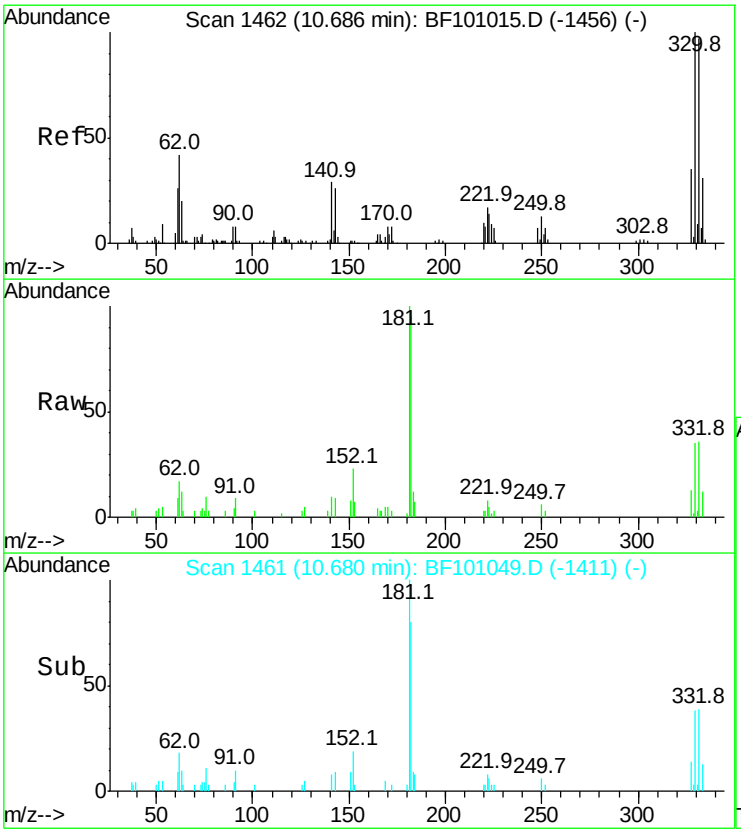
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.00 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 87304

Ion	Ratio	Lower	Upper
164	100		
162	106.1	86.1	129.1
160	45.8	38.3	57.5

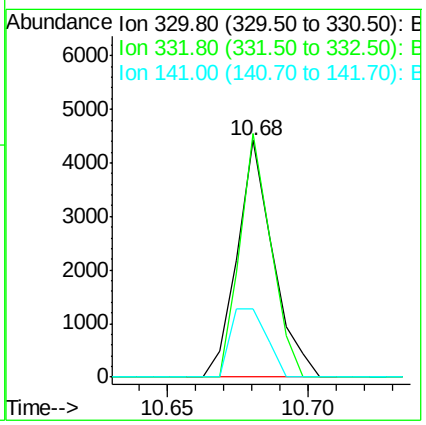


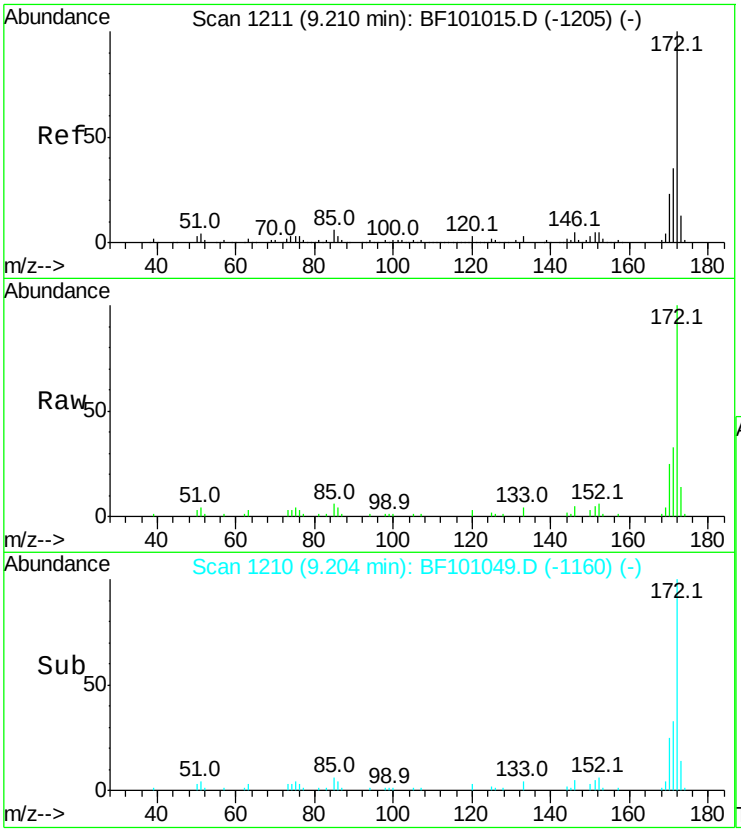


#41
2,4,6-Tribromophenol
Concen: 3.732 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Tgt Ion:330 Resp: 3914

Ion	Ratio	Lower	Upper
330	100		
332	88.9	77.0	115.6
141	29.1	29.9	44.9#

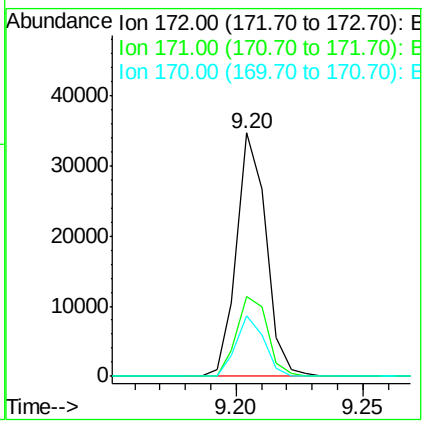




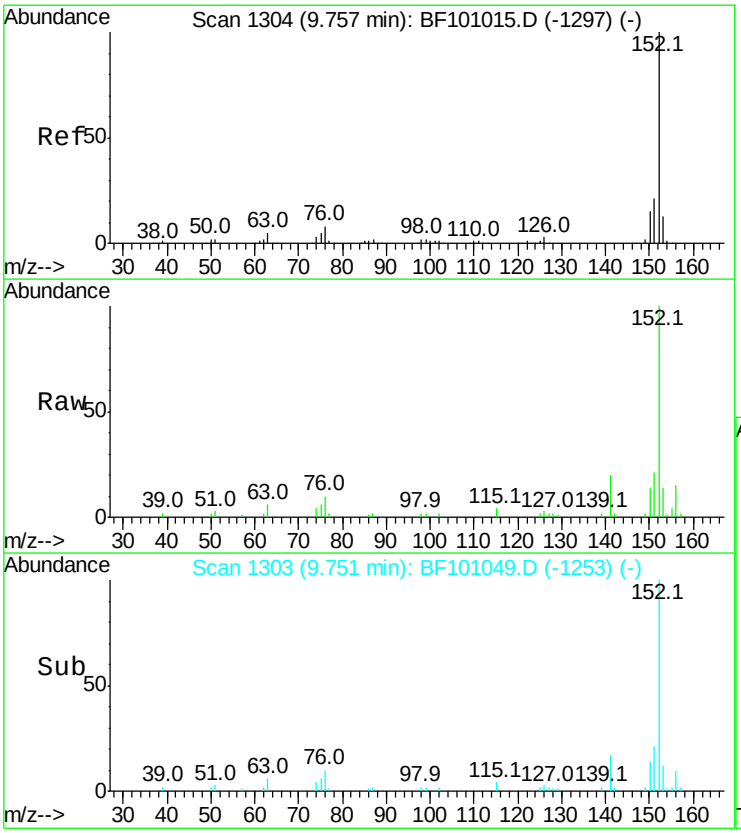
#44
2-Fluorobiphenyl
Concen: 4.429 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Tgt Ion:172 Resp: 28261

Ion	Ratio	Lower	Upper
172	100		
171	32.7	29.7	44.5
170	25.0	19.6	29.4



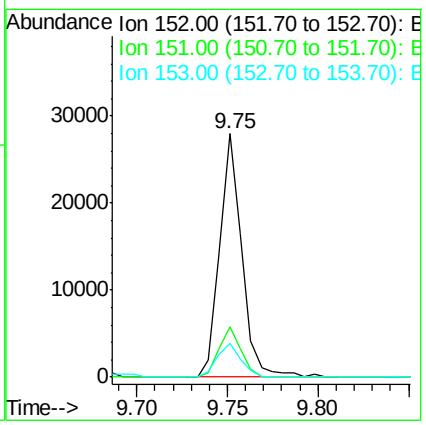
Instrument :
BNA_F
ClientSampleId :

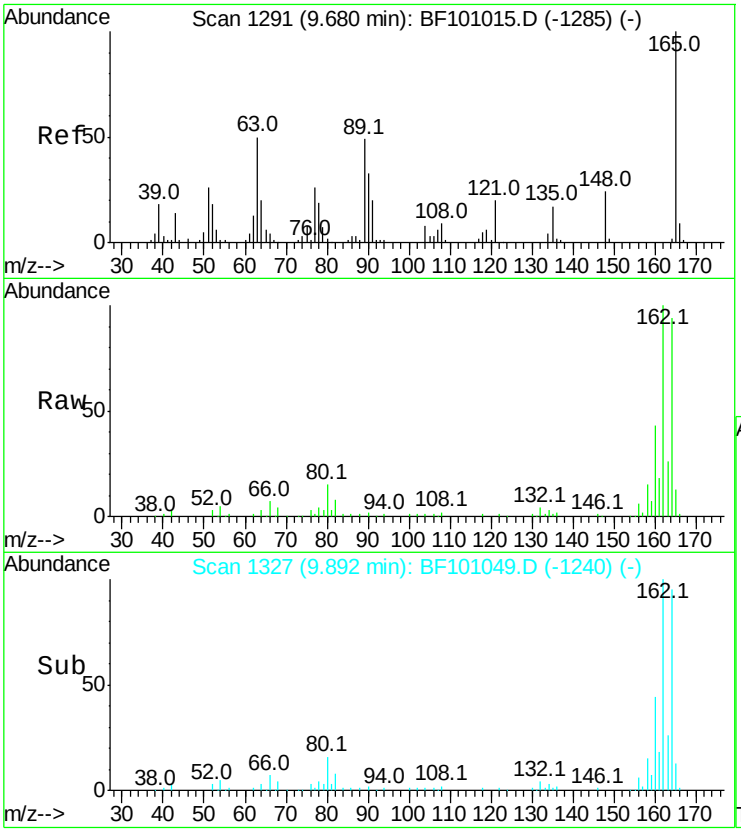


#48
Acenaphthylene
Concen: 2.543 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Tgt Ion:152 Resp: 23738

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.3	24.5
153	13.7	10.7	16.1



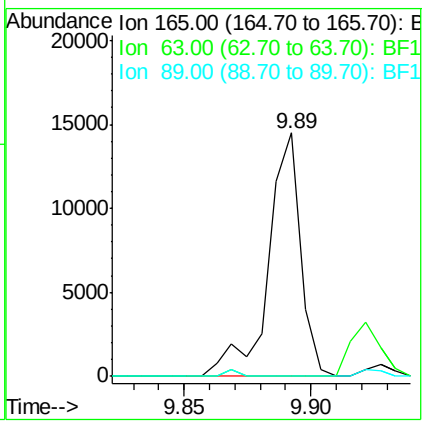


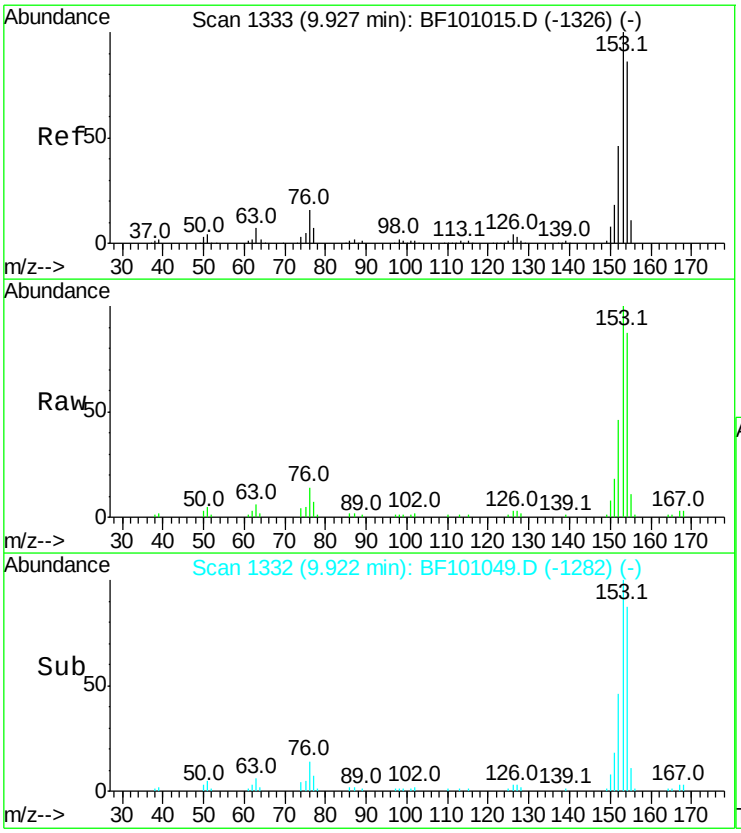
#50
2,6-Dinitrotoluene
Concen: 8.793 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.21 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 13040

Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#

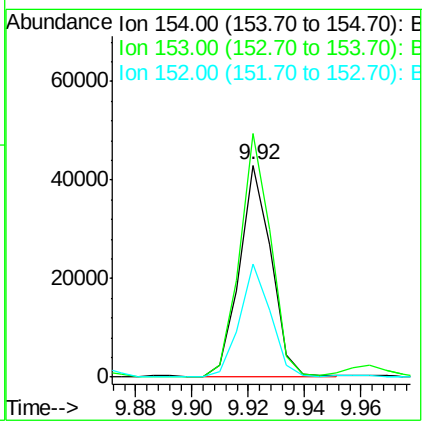


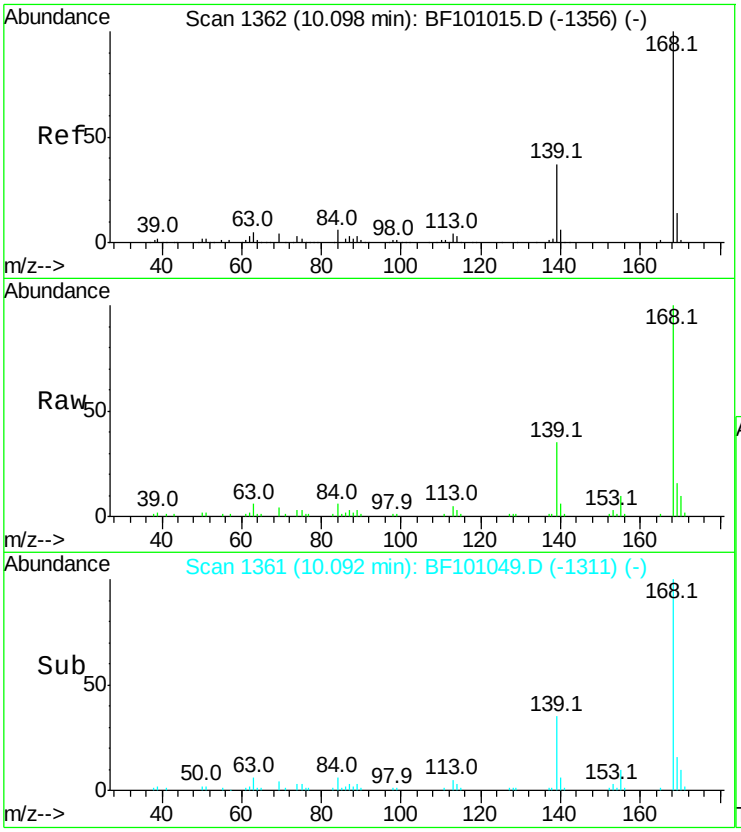


#51
Acenaphthene
Concen: 6.031 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Tgt Ion:154 Resp: 33712

Ion	Ratio	Lower	Upper
154	100		
153	114.8	91.2	136.8
152	53.3	43.8	65.8



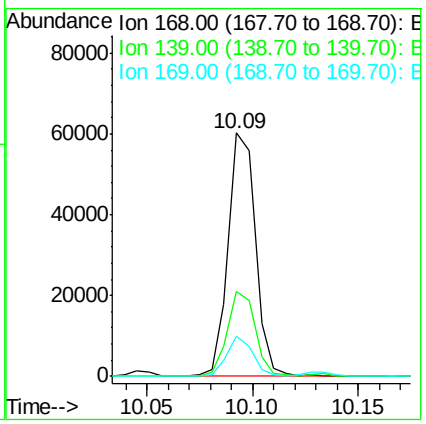


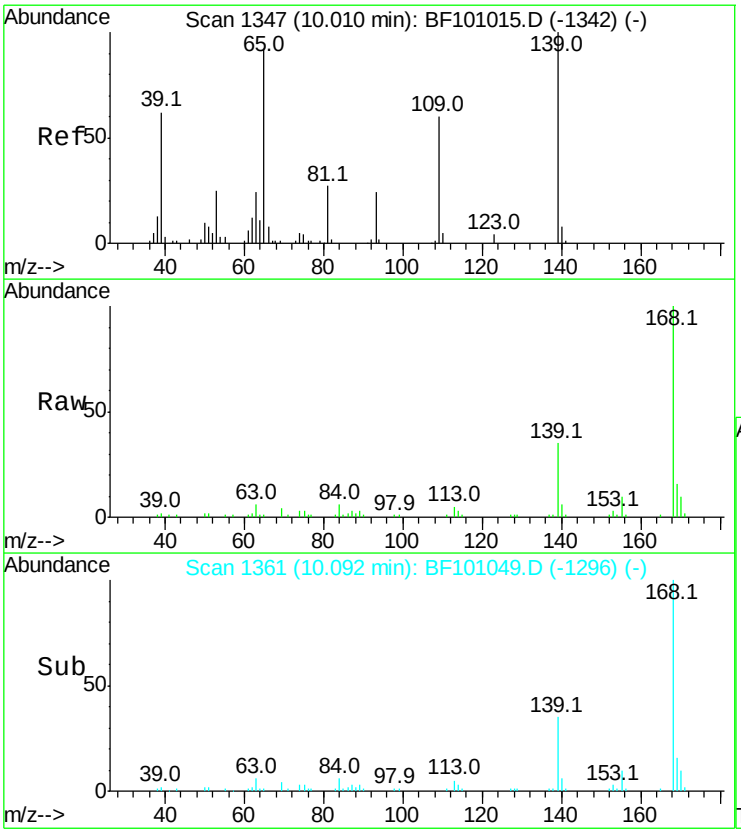
#54
Dibenzofuran
Concen: 6.664 ng
RT: 10.09 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:168 Resp: 53681

Ion	Ratio	Lower	Upper
168	100		
139	34.7	30.1	45.1
169	16.4	10.9	16.3#

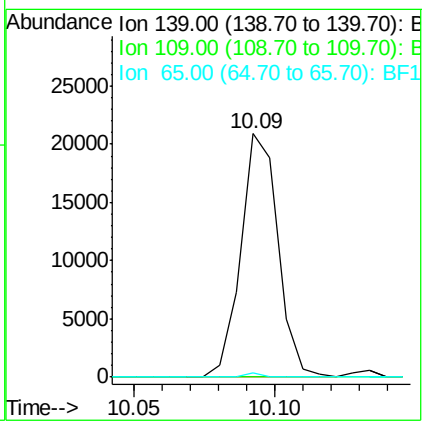


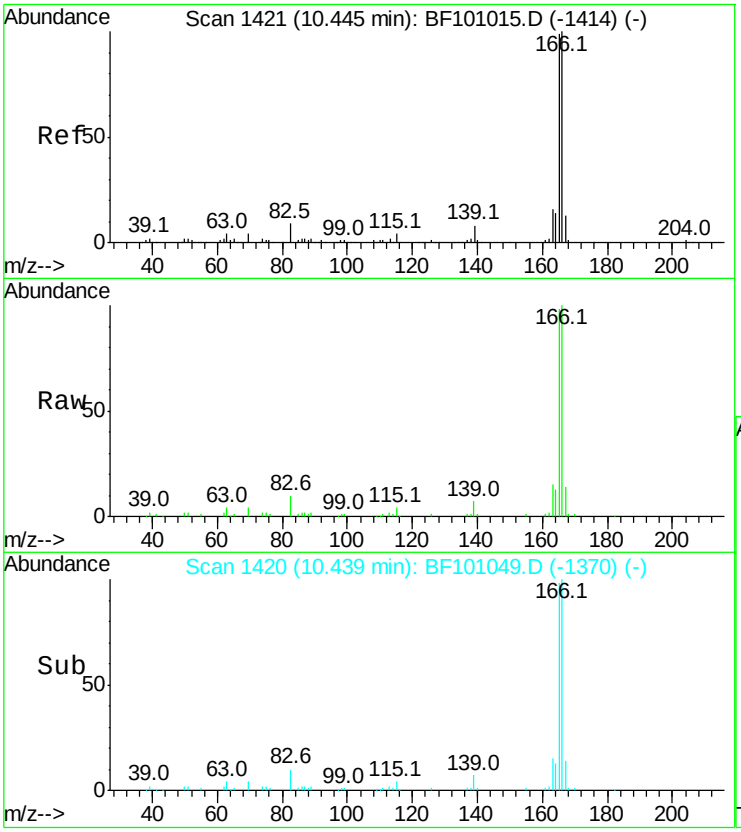


#55
4-Nitrophenol
Concen: 16.981 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.08 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Tgt Ion:139 Resp: 19098

Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	1.8	72.6	112.6#



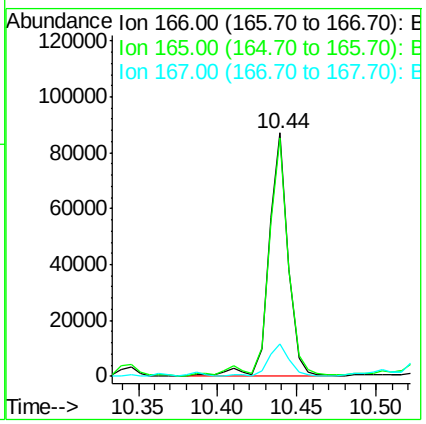


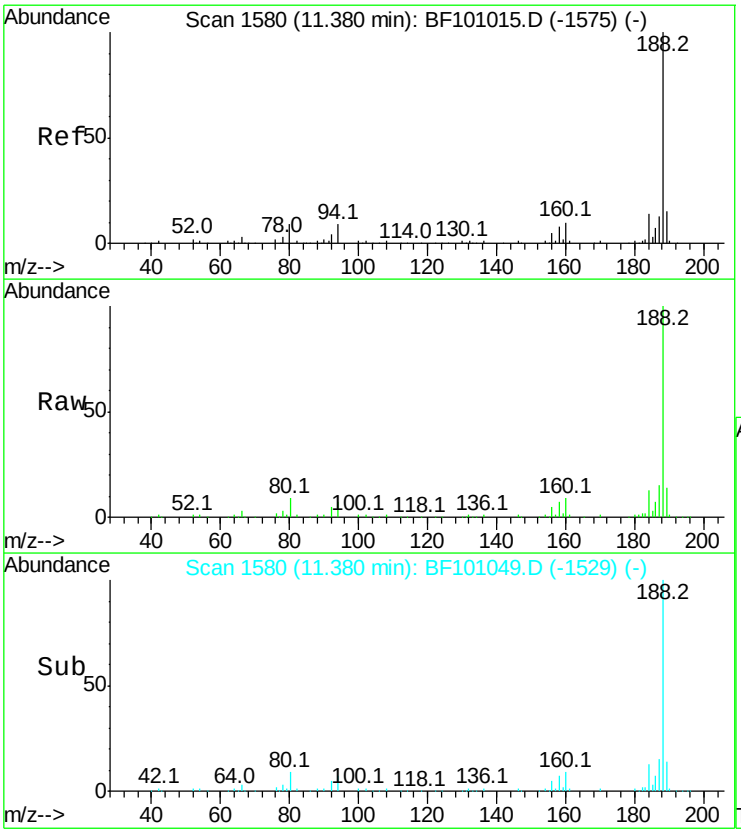
#57
Fluorene
Concen: 11.270 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 73800

Ion	Ratio	Lower	Upper
166	100		
165	98.1	79.8	119.8
167	13.6	10.6	16.0

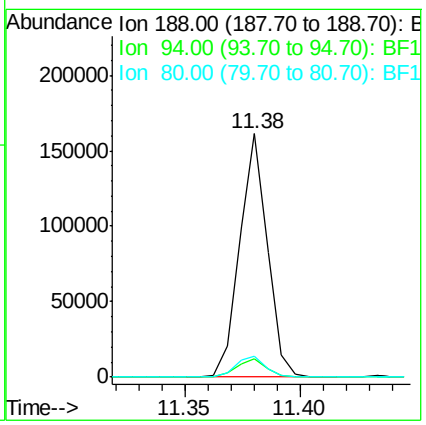


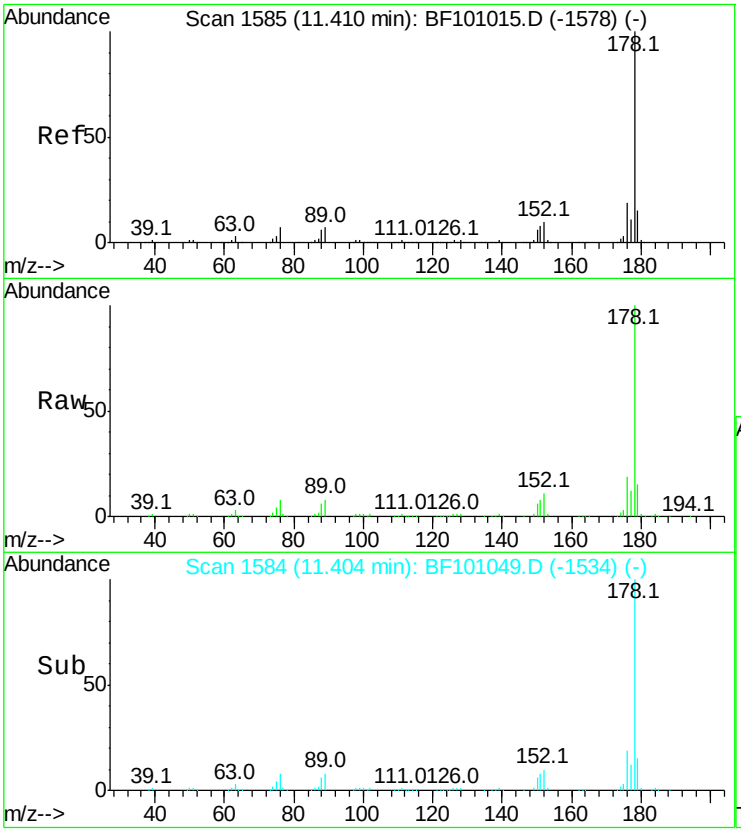


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Tgt Ion:188 Resp: 135274

Ion	Ratio	Lower	Upper
188	100		
94	7.4	8.5	12.7#
80	8.6	9.2	13.8#



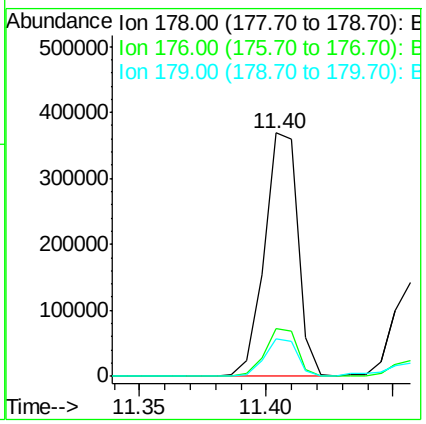


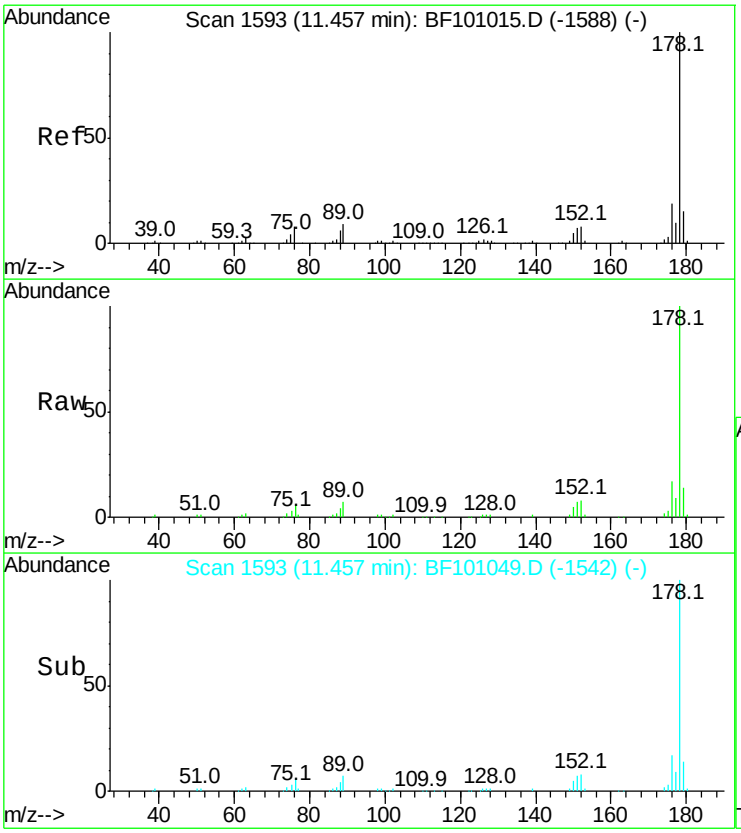
#70
Phenanthrene
Concen: 46.016 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 342798

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.4	13.0	19.6

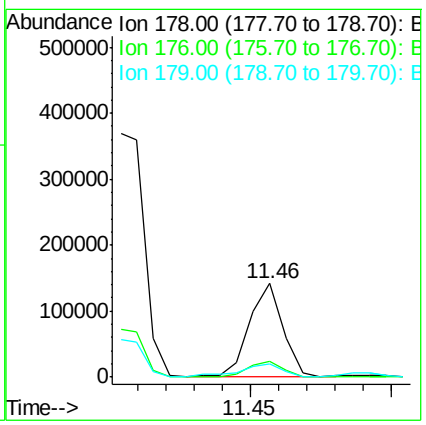


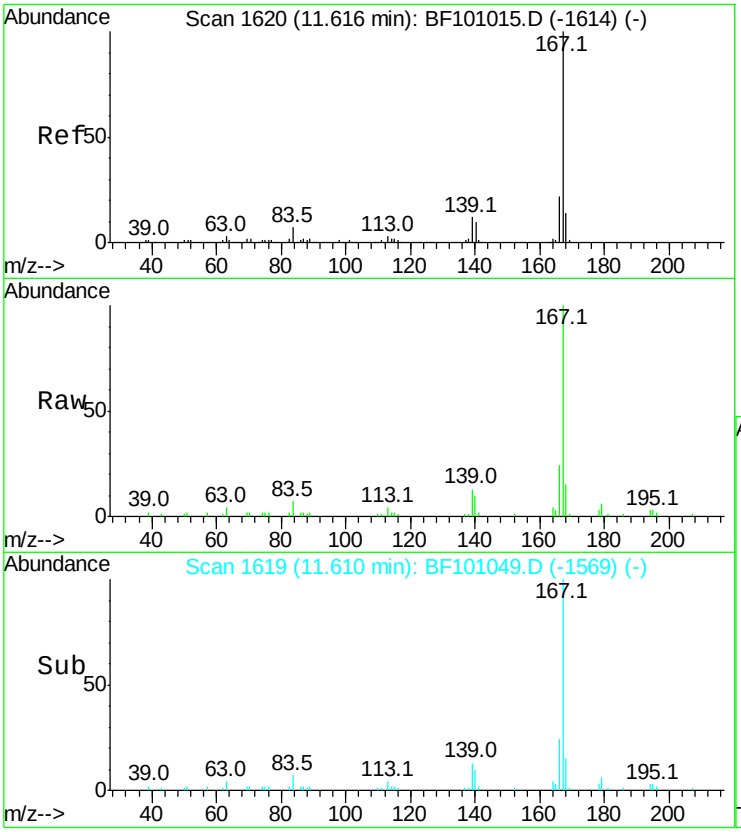


#71
Anthracene
Concen: 15.192 ng
RT: 11.46 min Scan# 1593
Delta R.T. 0.00 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Tgt Ion:178 Resp: 114540

Ion	Ratio	Lower	Upper
178	100		
176	16.8	15.4	23.2
179	14.4	12.6	19.0



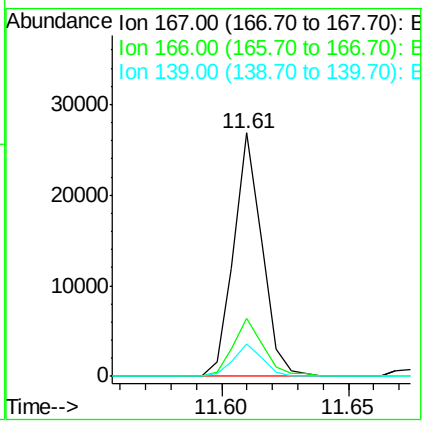


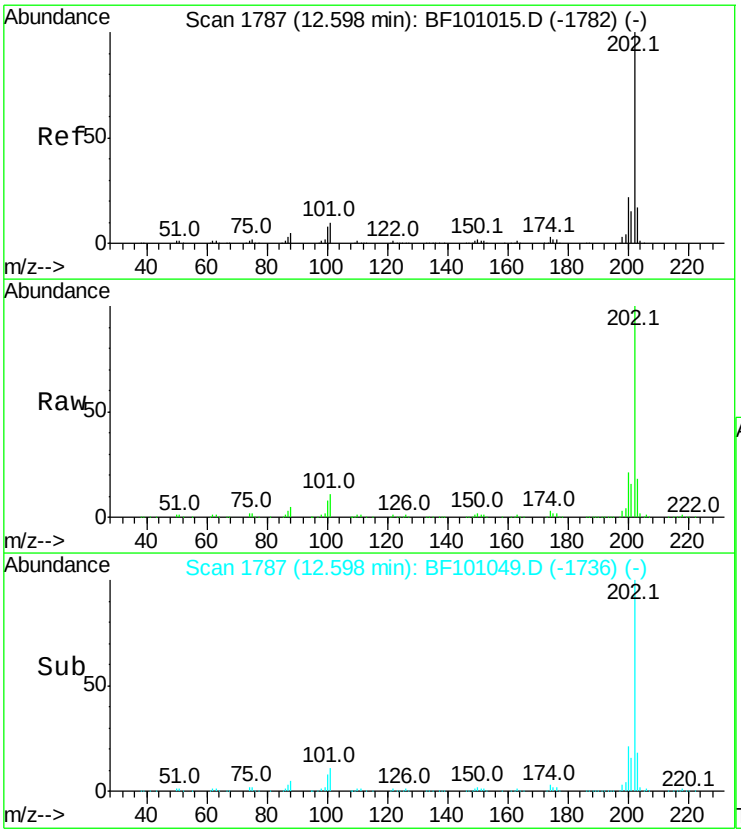
#72
Carbazole
Concen: 3.030 ng
RT: 11.61 min Scan# 1619
Delta R.T. -0.01 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 20871

Ion	Ratio	Lower	Upper
167	100		
166	23.7	17.6	26.4
139	13.3	10.9	16.3

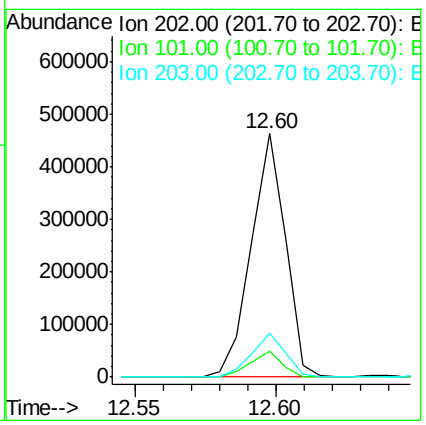


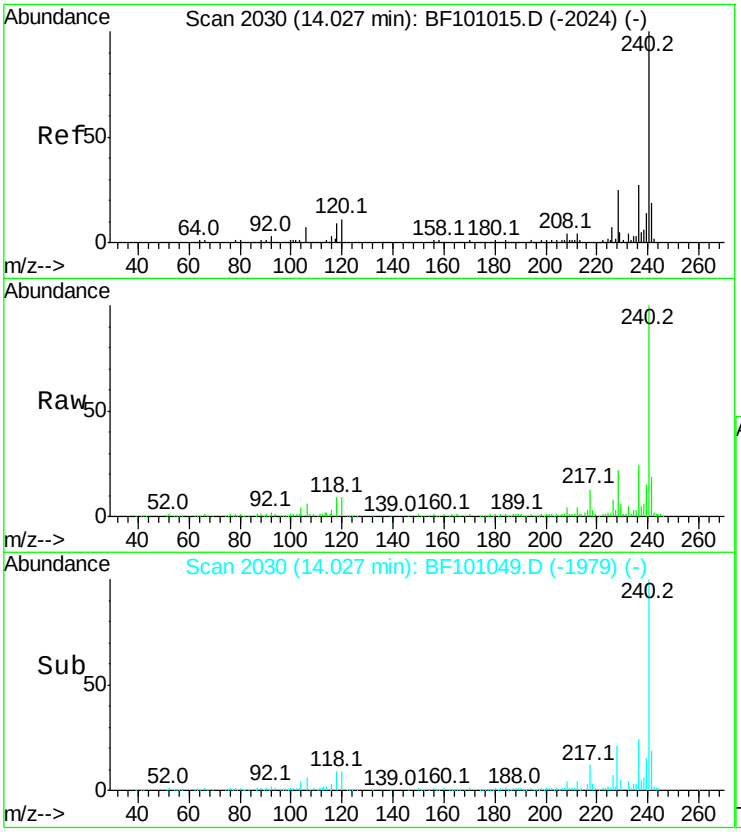


#74
Fluoranthene
Concen: 47.039 ng
RT: 12.60 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Tgt Ion:202 Resp: 388430

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	34.1
203	18.0	0.0	38.1



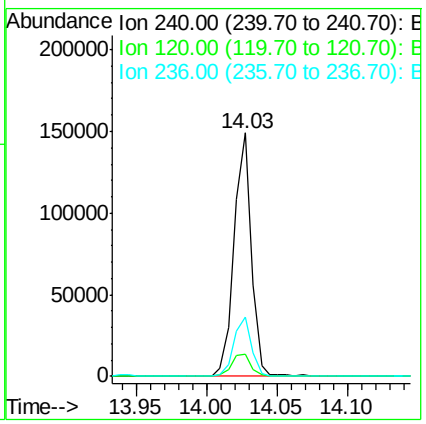


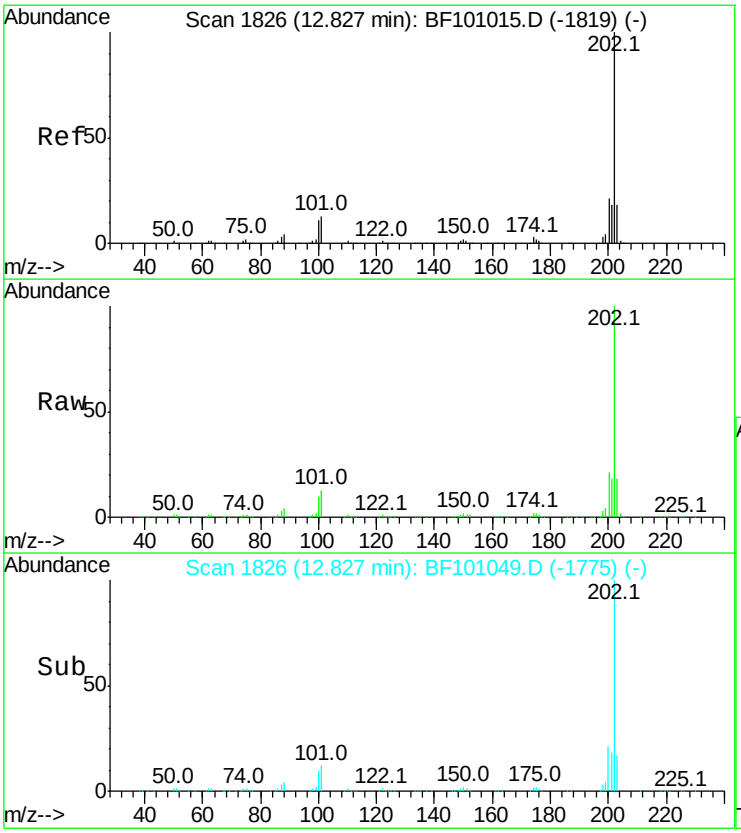
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 127006

Ion	Ratio	Lower	Upper
240	100		
120	9.0	9.5	14.3#
236	24.3	20.7	31.1

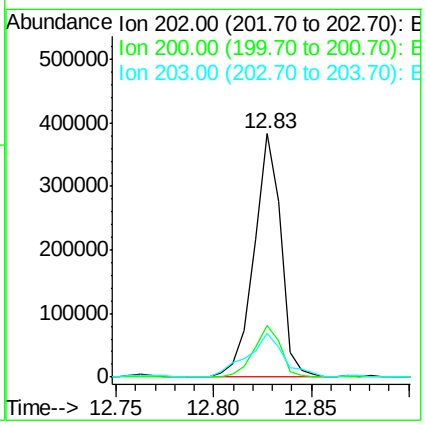


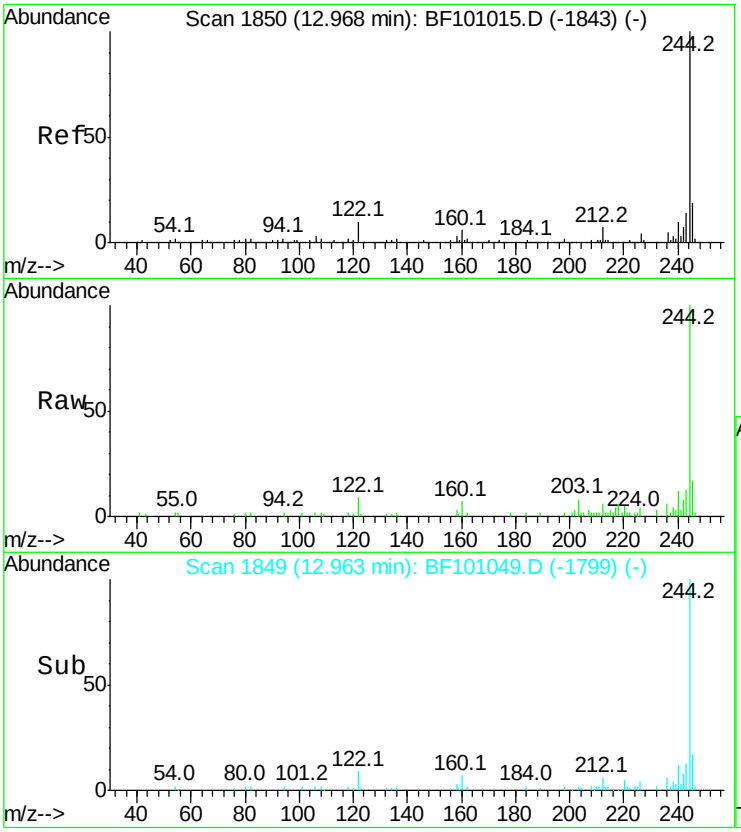


#77
Pyrene
Concen: 41.480 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Tgt Ion:202 Resp: 363521

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.8	14.3	21.5



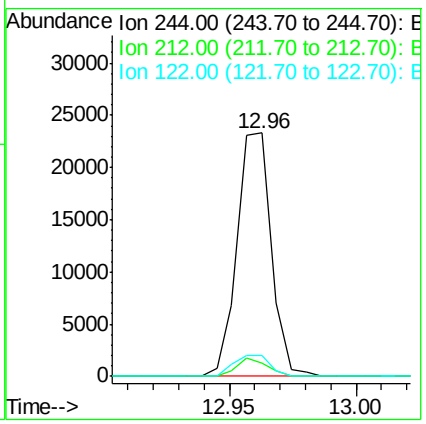


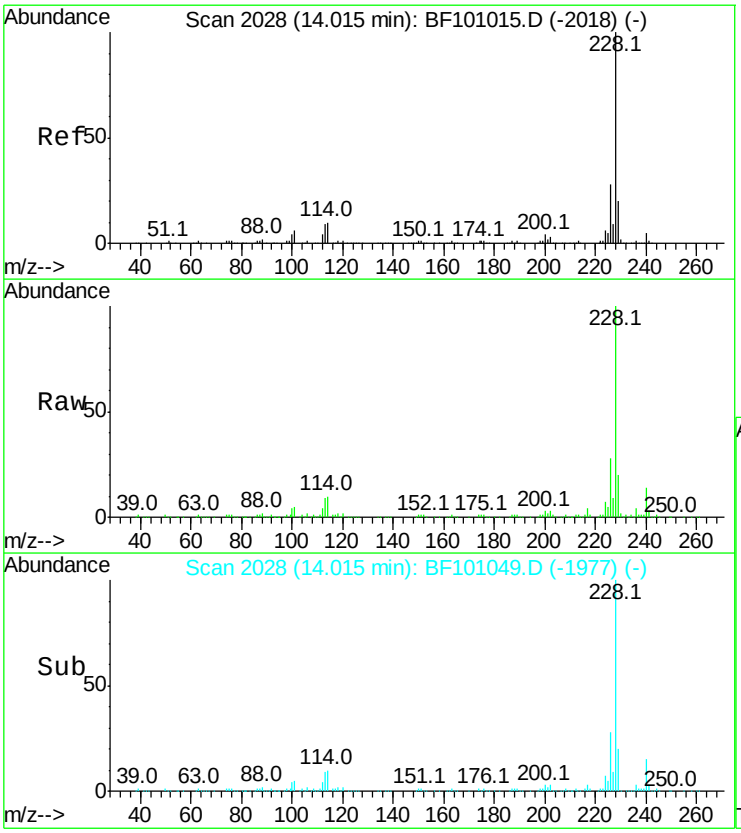
#78
Terphenyl-d14
Concen: 3.765 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 21863

Ion	Ratio	Lower	Upper
244	100		
212	5.6	5.4	8.0
122	8.5	11.0	16.4#

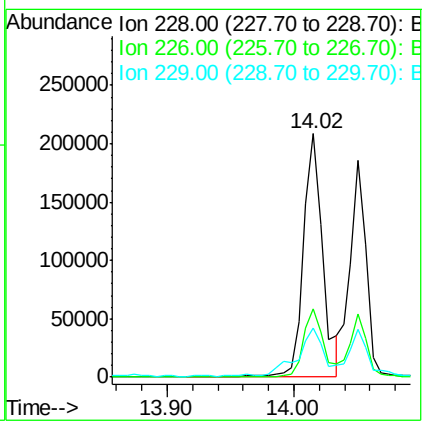


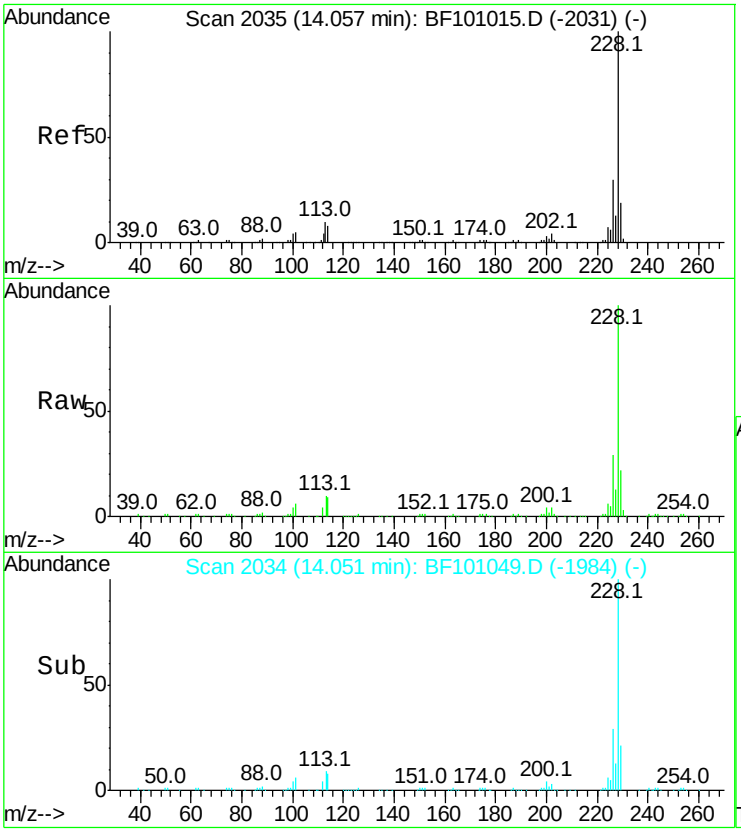


#80
Benzo(a)anthracene
Concen: 27.259 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Tgt Ion:228 Resp: 218588

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	20.3	15.8	23.6



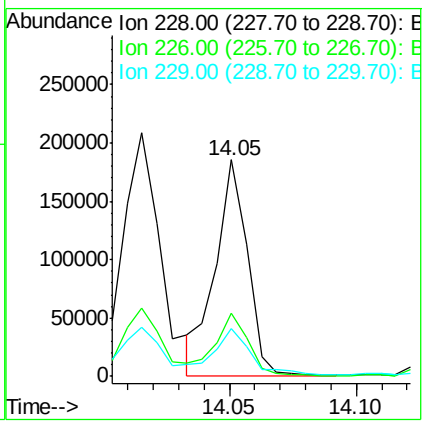


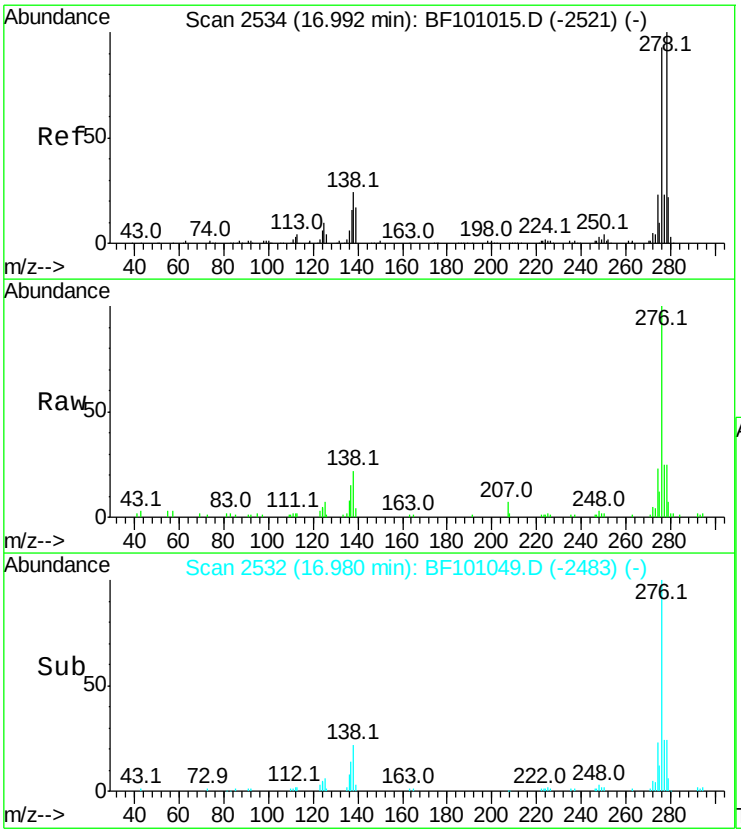
#82
Chrysene
Concen: 21.966 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 163590

Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.0	37.6
229	22.3	16.2	24.4

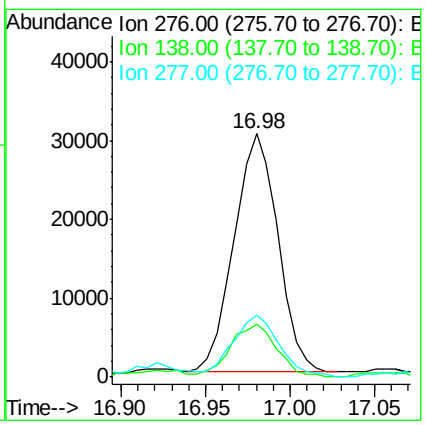


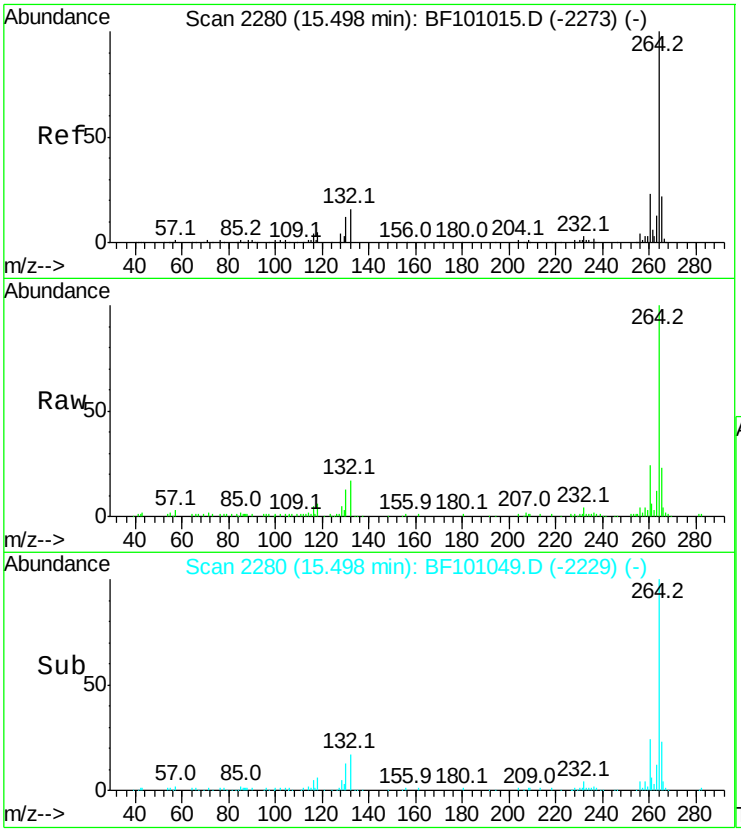


#85
Indeno(1,2,3-cd)pyrene
Concen: 8.260 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Tgt Ion:276 Resp: 54689

Ion	Ratio	Lower	Upper
276	100		
138	23.9	25.0	37.6#
277	27.6	20.1	30.1



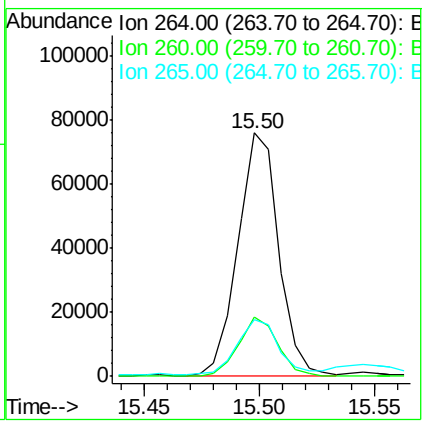


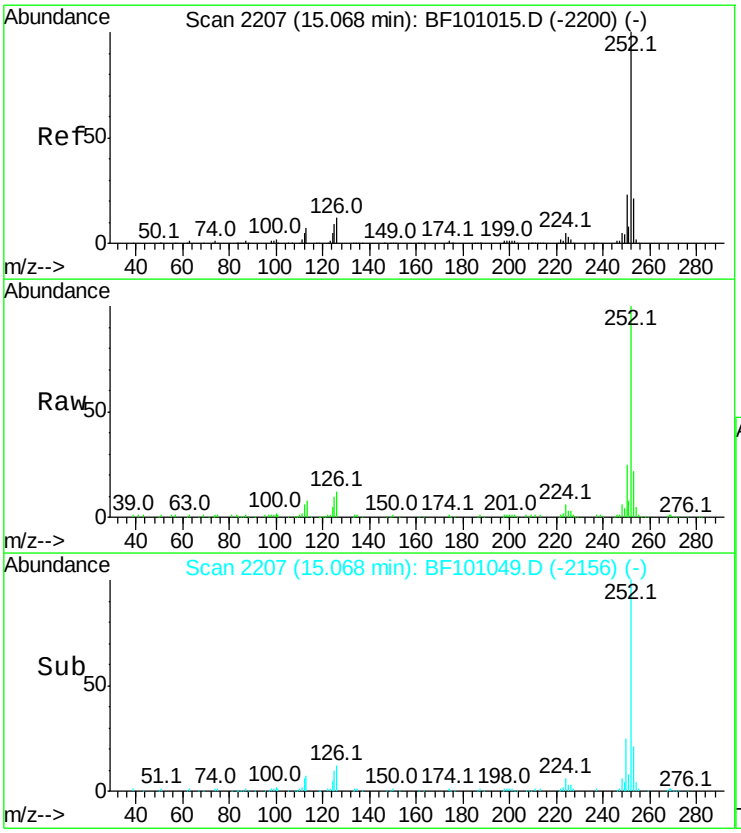
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.00 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 94288

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	23.5	17.5	26.3

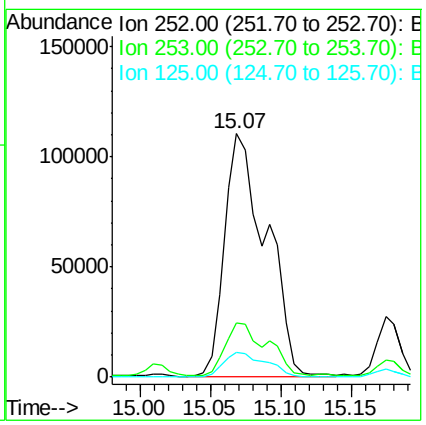


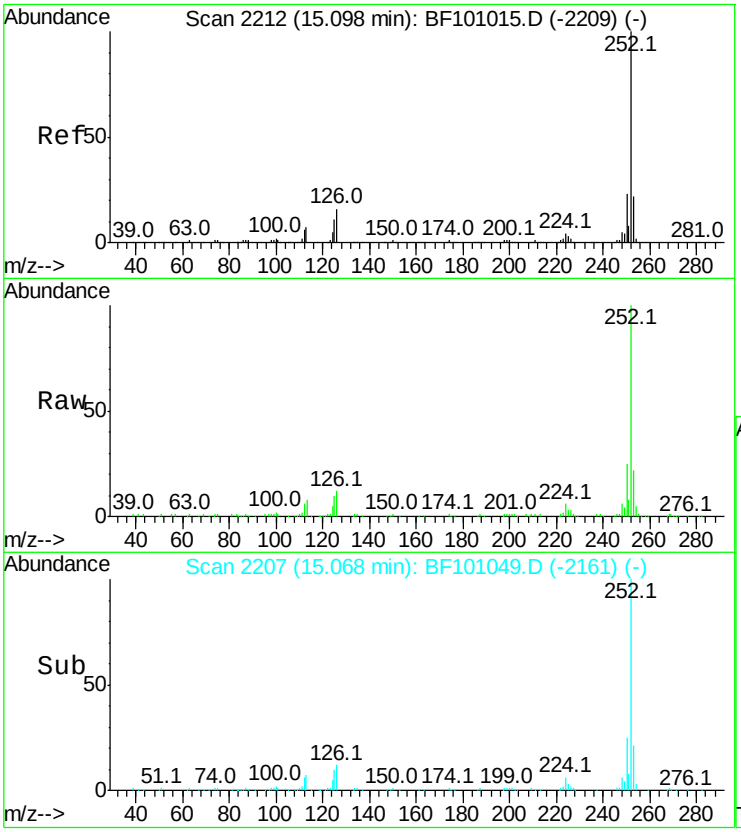


#87
Benzo(b)fluoranthene
Concen: 40.151 ng
RT: 15.07 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Tgt Ion:252 Resp: 226758

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	10.1	9.0	13.6



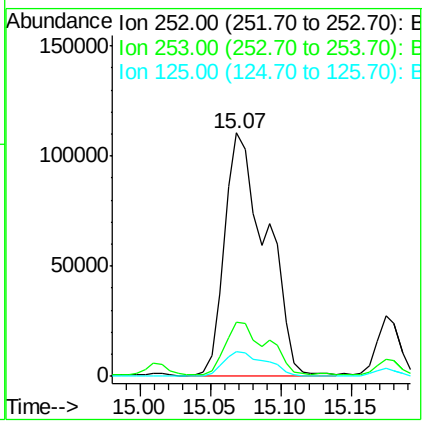


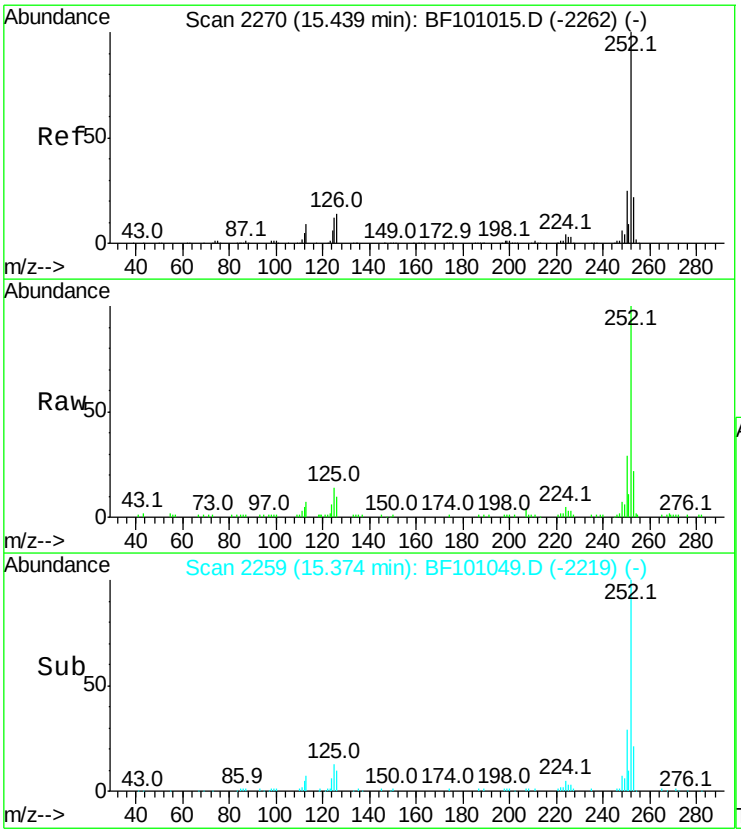
#88
Benzo(k)fluoranthene
Concen: 40.753 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.03 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 226758

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	10.1	10.2	15.2#

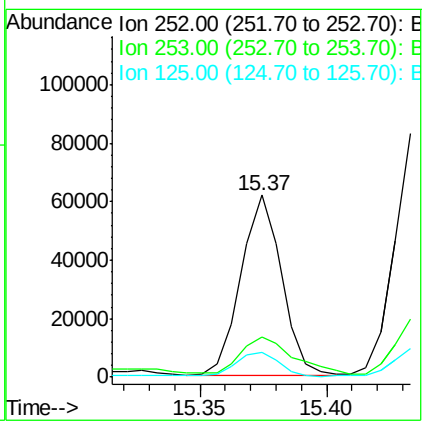


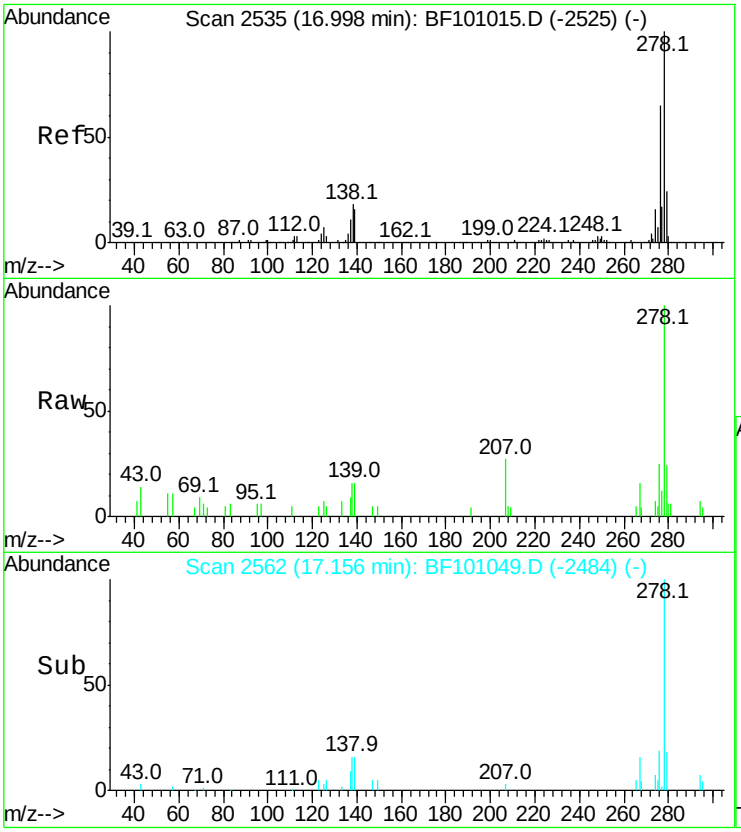


#89
Benzo(a)pyrene
Concen: 13.514 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.06 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Tgt Ion:252 Resp: 69388

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	13.6	9.8	14.6



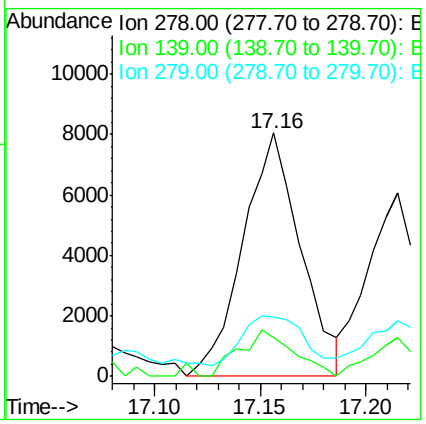


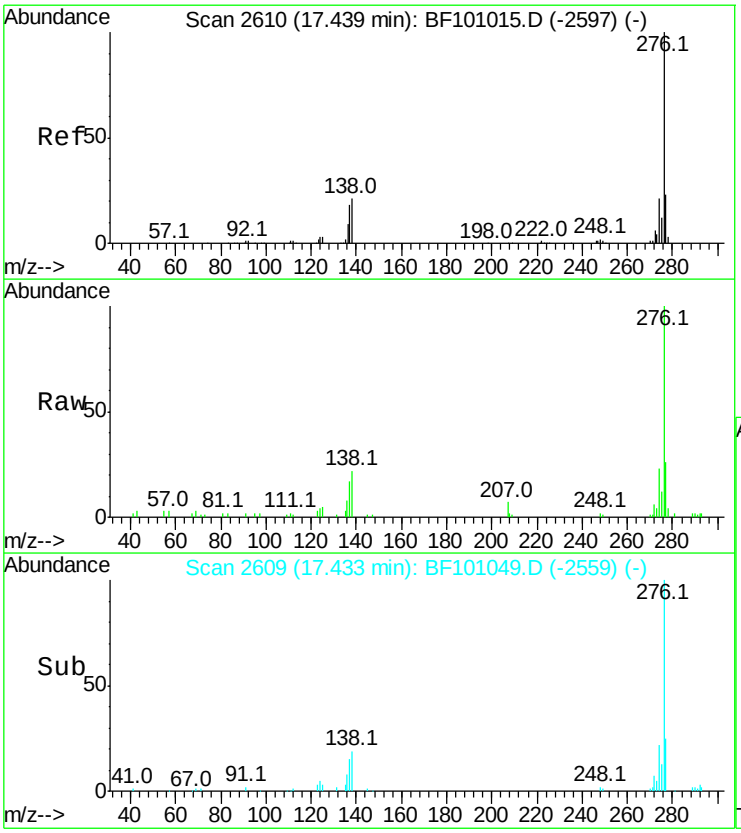
#90
Dibenzo(a,h)anthracene
Concen: 3.379 ng
RT: 17.16 min Scan# 2562
Delta R.T. 0.16 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 15295

Ion	Ratio	Lower	Upper
278	100		
139	16.1	15.9	23.9
279	24.2	19.0	28.4





#91
Benzo(g,h,i)perylene
Concen: 12.607 ng
RT: 17.43 min Scan# 2609
Delta R.T. -0.01 min
Lab File: BF101049.D
Acq: 1 Dec 2017 7:16

Tgt Ion:276 Resp: 53778

Ion	Ratio	Lower	Upper
276	100		
277	26.5	17.9	26.9
138	21.9	21.8	32.8