Quantitation Report (LSC Reviewed)

Data Path : U:\HPCHEM1\BNA F\DATA\BF101816\
Data File : BF090636.D
Acq On : 18 Oct 2016 19:03
Operator : UM/SJ
Sample : H5289-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2-1

Quant Time: Oct 19 01:56:28 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 17 19:19:58 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	208622	20.00	ng		-0.01
21) Naphthalene-d8	8.19	136	888288	20.00	ng		-0.01
38) Acenaphthene-d10	9.95	164	389527	20.00	ng		-0.01
63) Phenanthrene-d10	11.43	188	508445	20.00	ng		-0.01
75) Chrysene-d12	14.09	240	550725	20.00	ng		0.00
86) Perylene-d12	15.56	264	500246	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.51	112	1245991	109.49	ng		0.00
7) Phenol-d6	6.54	99	1657266	98.01	ng		0.00
23) Nitrobenzene-d5	7.47	82	1074767	67.21	ng		-0.01
41) 2,4,6-Tribromophenol	10.74	330	253011	72.86	ng		-0.01
44) 2-Fluorobiphenyl	9.26	172	1426055	60.32	ng		-0.01
78) Terphenyl-d14	13.02	244	1111830	47.01	ng		-0.01
Target Compounds							Qvalue
31) Naphthalene	8.21	128	172003	3.80	ng		98
37) 2-Methylnaphthalene	8.90	142	91963	3.46	ng		99
48) Acenaphthylene	9.80	152	134362	3.82	ng		98
49) Dimethylphthalate	9.66	163	370240	14.65	ng	#	98
51) Acenaphthene	9.97	154	55462	2.37	ng		98
54) Dibenzofuran	10.15	168	116989	3.80	ng		97
57) Fluorene	10.49	166	67186	2.65	ng	#	94
70) Phenanthrene	11.46	178	1519320	55.98	ng		99
71) Anthracene	11.50	178	383360	13.12	ng		99
72) Carbazole	11.66	167	148003	5.66	ng		99
74) Fluoranthene	12.66	202	2503491	91.70	ng		98
77) Pyrene	12.89	202	2177139	59.69	ng		99
80) Benzo(a)anthracene	14.08	228	1317339m	42.02	ng		
82) Chrysene	14.11	228	1438819m	47.63	ng		
85) Indeno(1,2,3-cd)pyrene	17.01	276	555721	31.82	ng	#	91
87) Benzo(b)fluoranthene	15.14	252	2144760m	65.52	ng		
88) Benzo(k)fluoranthene	15.16	252	724356m	20.57	ng		
89) Benzo(a)pyrene	15.49	252	1075190	35.88	ng		97
90) Dibenzo(a,h)anthracene	17.01	278	153462	6.71	ng		93
91) Benzo(g,h,i)perylene	17.45	276	443360	20.34	ng		98

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

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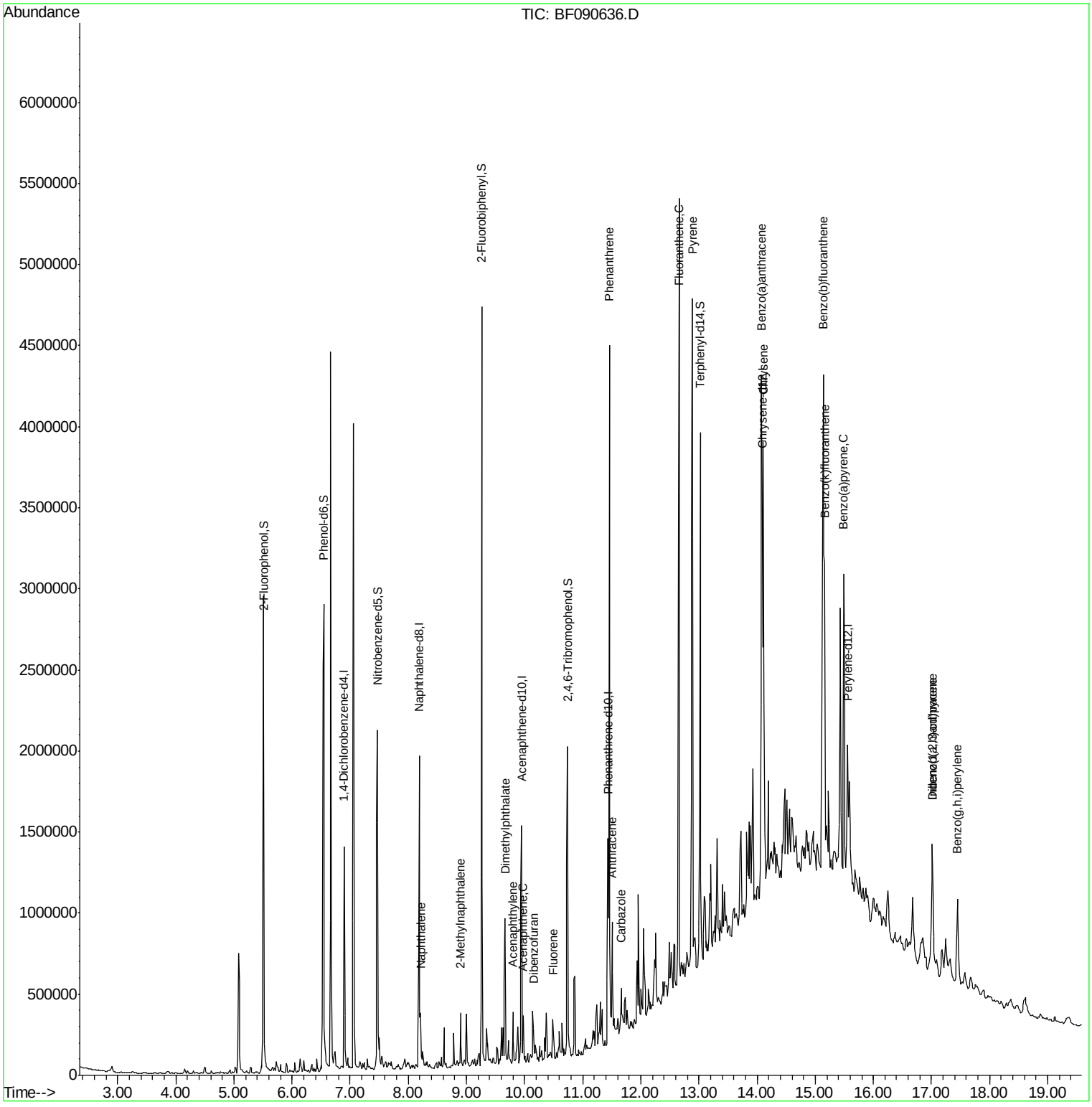
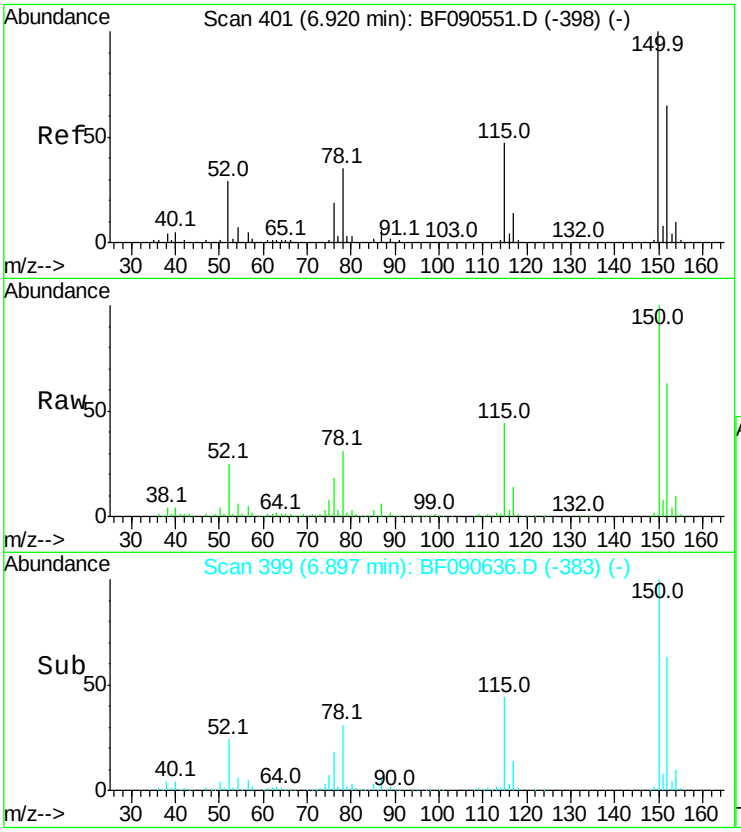


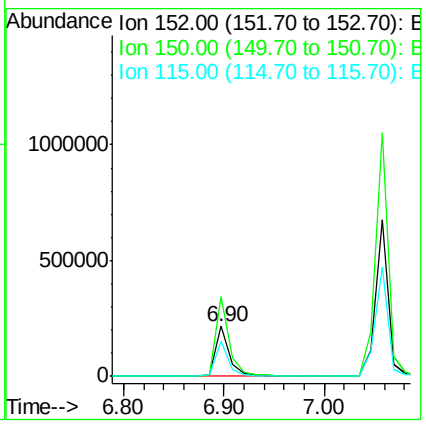


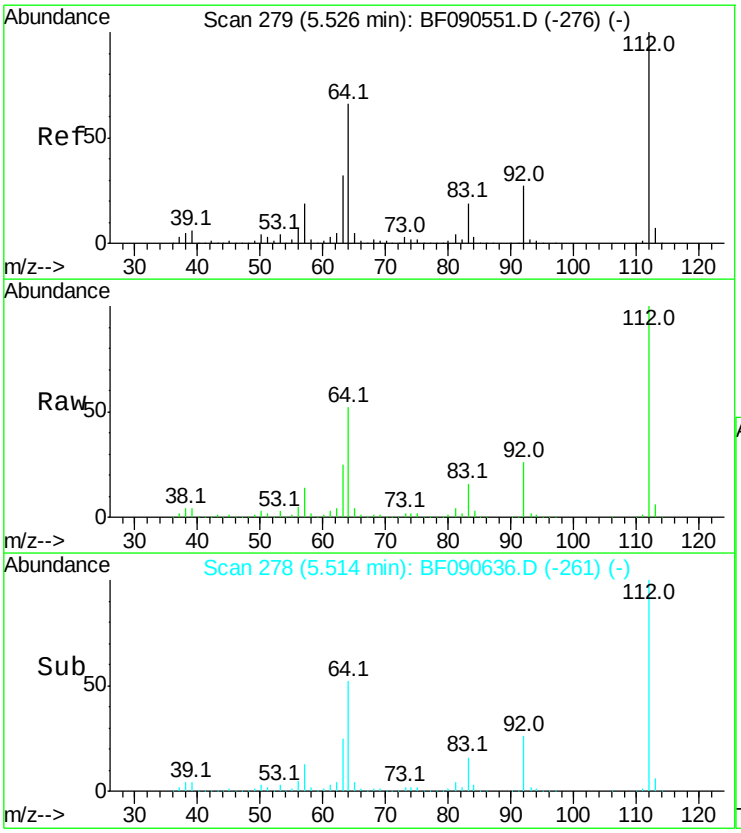
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 399
Delta R.T. -0.01 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Instrument :
BNA_F
ClientSampleId :
SP-2-1

Tgt Ion:152 Resp: 208622

Ion	Ratio	Lower	Upper
152	100		
150	158.5	127.2	190.8
115	69.1	58.6	88.0

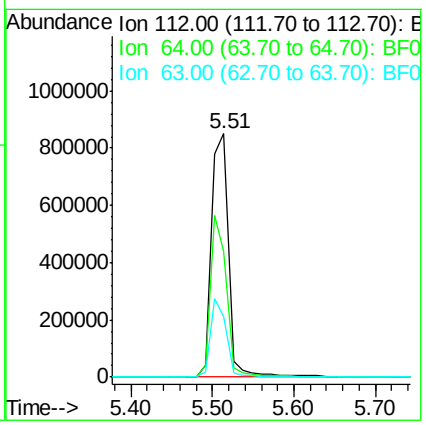


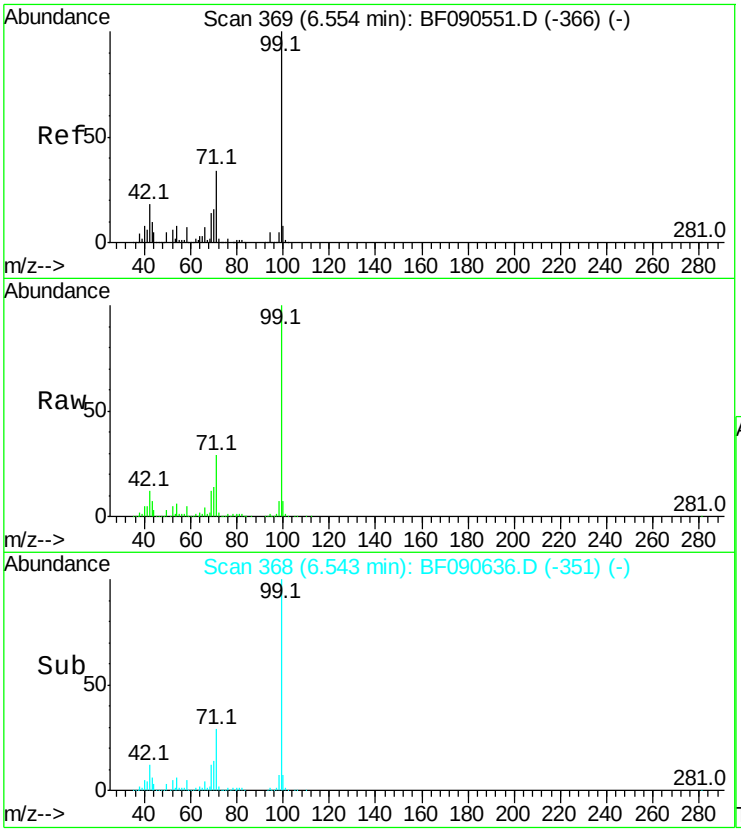


#5
2-Fluorophenol
Concen: 109.49 ng
RT: 5.51 min Scan# 278
Delta R.T. -0.00 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Tgt Ion:112 Resp: 1245991

Ion	Ratio	Lower	Upper
112	100		
64	51.9	52.6	78.8#
63	25.0	26.0	39.0#



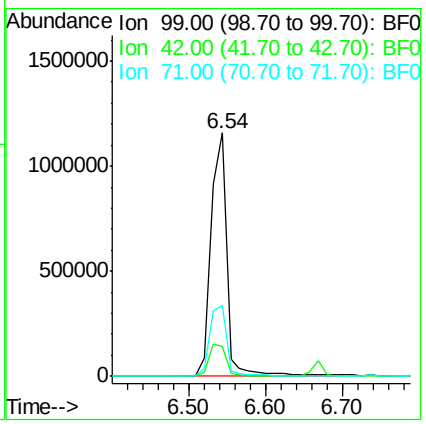


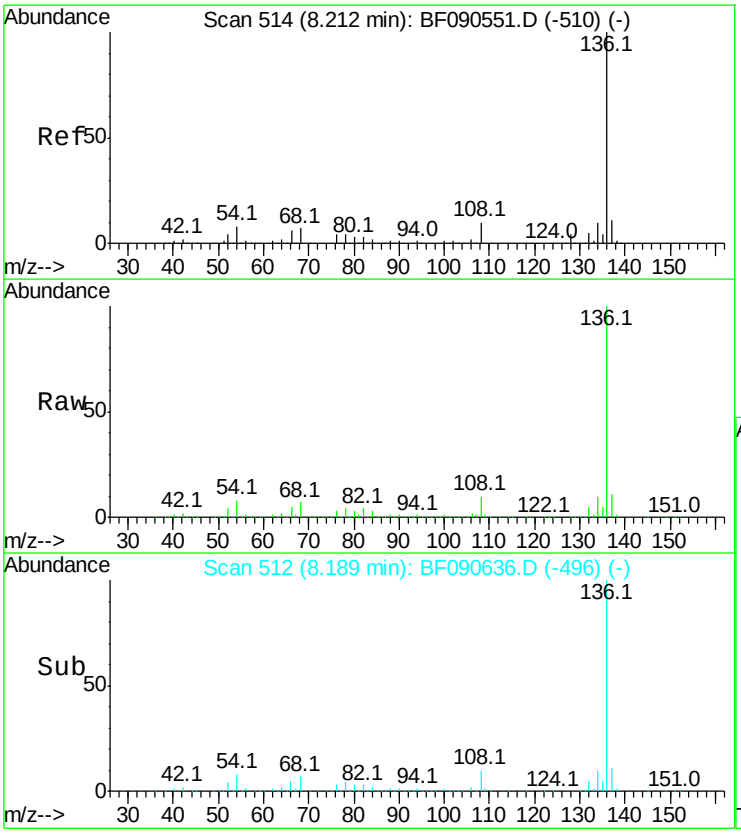
#7
Phenol-d6
Concen: 98.01 ng
RT: 6.54 min Scan# 368
Delta R.T. -0.00 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Instrument :
BNA_F
ClientSampleId :
SP-2-1

Tgt Ion: 99 Resp: 1657266

Ion	Ratio	Lower	Upper
99	100		
42	12.3	14.7	22.1#
71	29.0	27.6	41.4

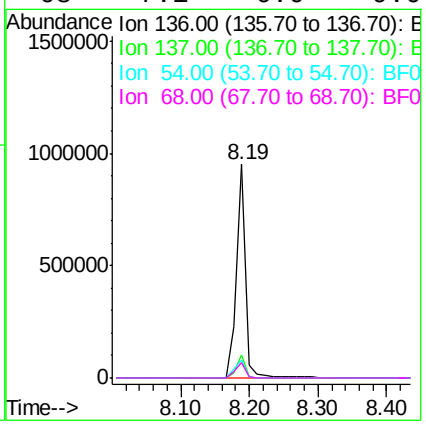


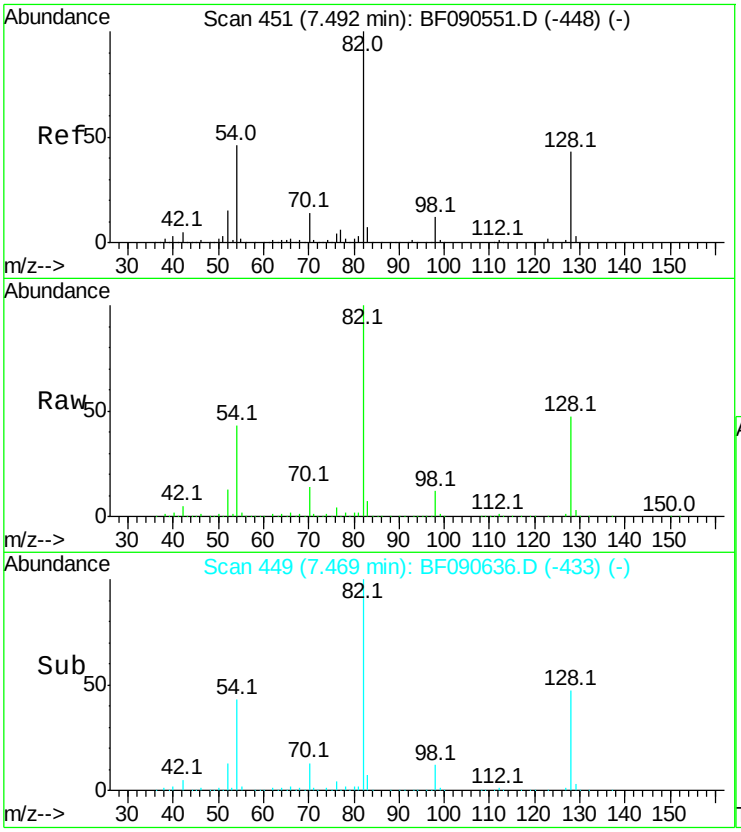


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 512
Delta R.T. -0.01 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Tgt Ion:136 Resp: 888288

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.2	6.8	10.2
68	7.1	6.0	9.0



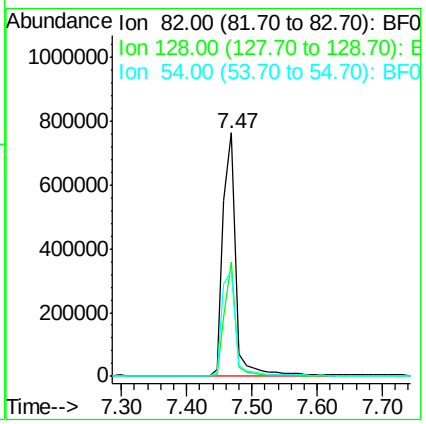


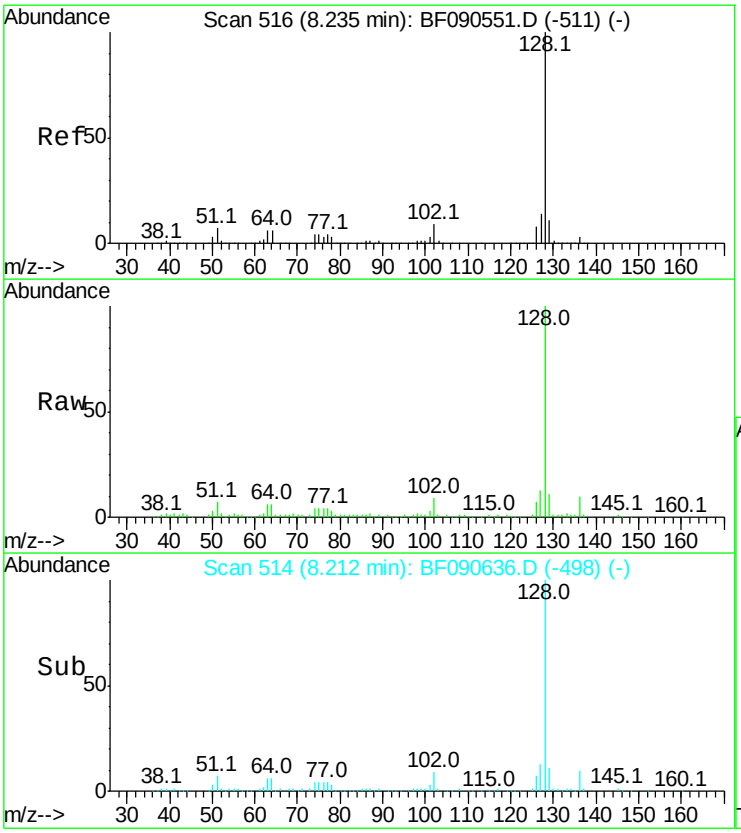
#23
Nitrobenzene-d5
Concen: 67.21 ng
RT: 7.47 min Scan# 449
Delta R.T. -0.01 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Instrument :
BNA_F
ClientSampleId :
SP-2-1

Tgt Ion: 82 Resp: 1074767

Ion	Ratio	Lower	Upper
82	100		
128	46.7	34.3	51.5
54	43.5	37.0	55.6

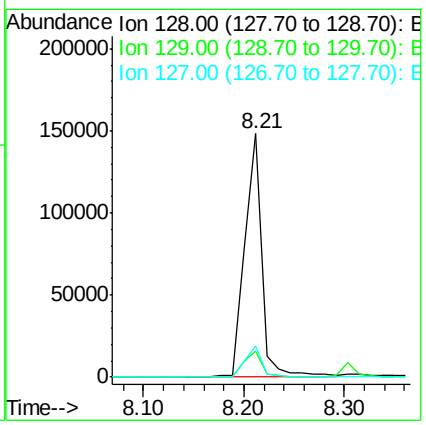


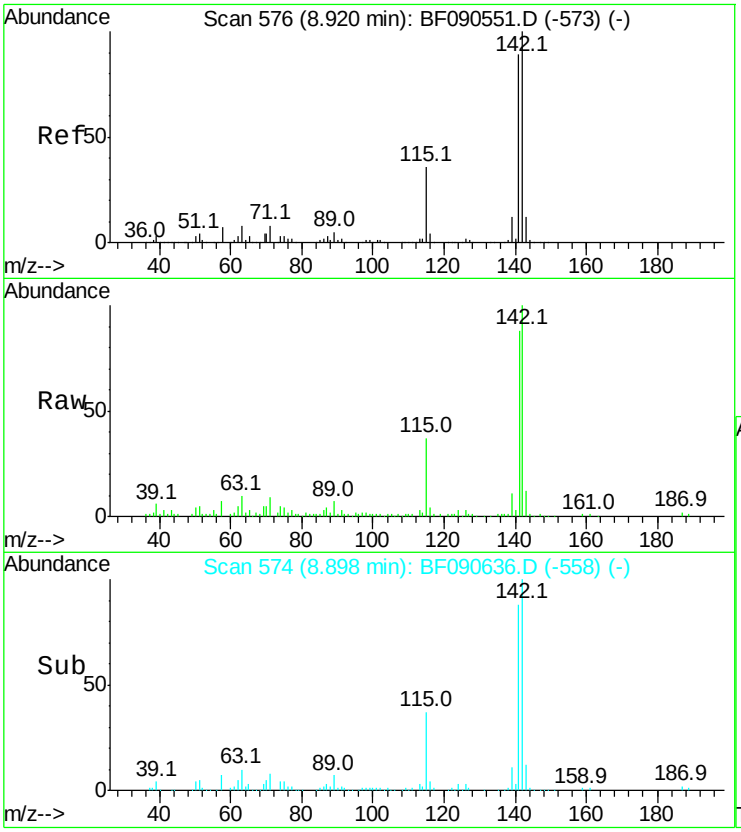


#31
Naphthalene
Concen: 3.80 ng
RT: 8.21 min Scan# 514
Delta R.T. -0.01 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Tgt Ion:128 Resp: 172003

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.6
127	12.7	10.8	16.2



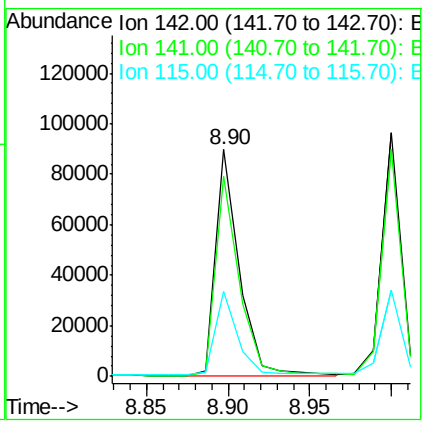


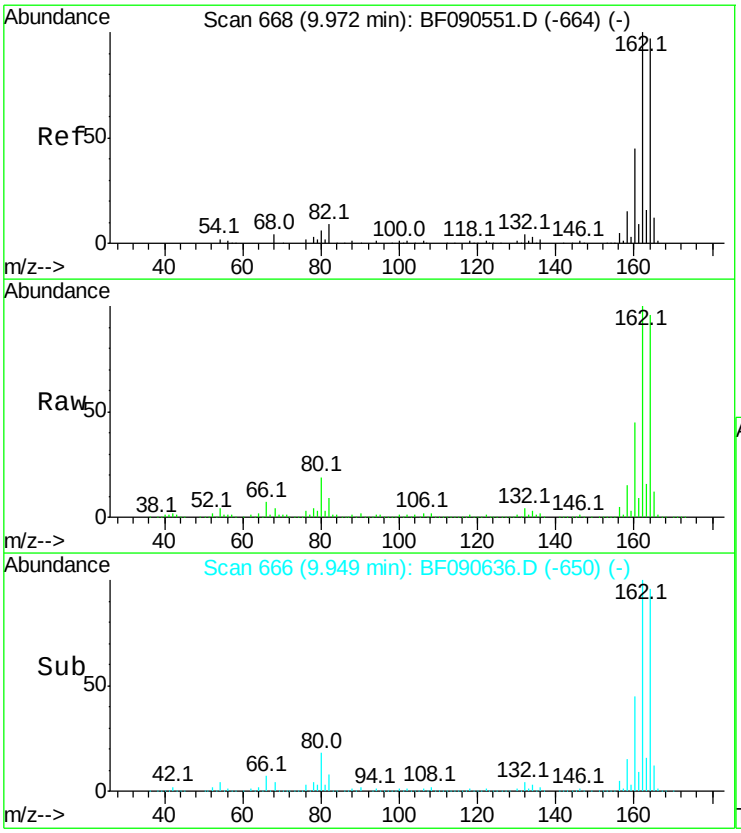
#37
2-Methylnaphthalene
Concen: 3.46 ng
RT: 8.90 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Instrument :
BNA_F
ClientSampleId :
SP-2-1

Tgt Ion:142 Resp: 91963

Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.3	106.9
115	37.4	28.8	43.2

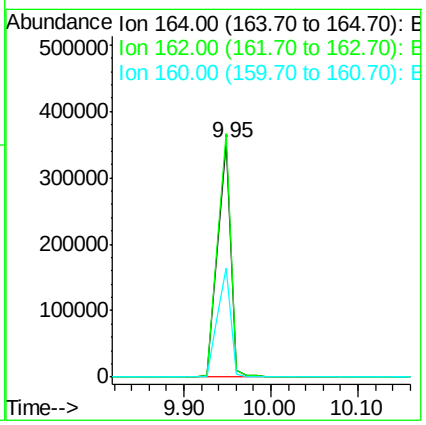


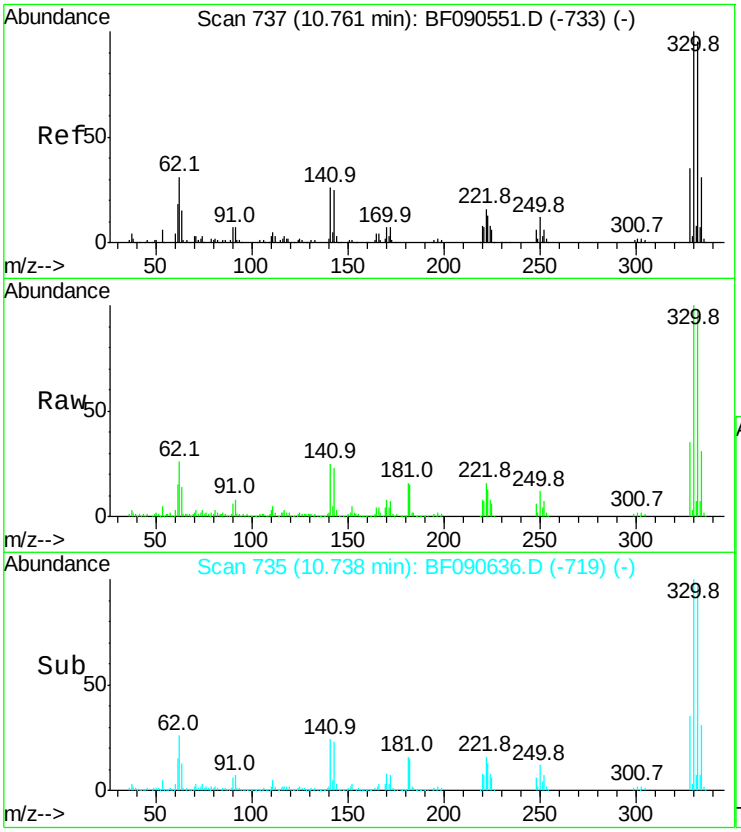


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 666
Delta R.T. -0.01 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Tgt Ion:164 Resp: 389527

Ion	Ratio	Lower	Upper
164	100		
162	104.0	82.2	123.4
160	46.7	36.6	55.0



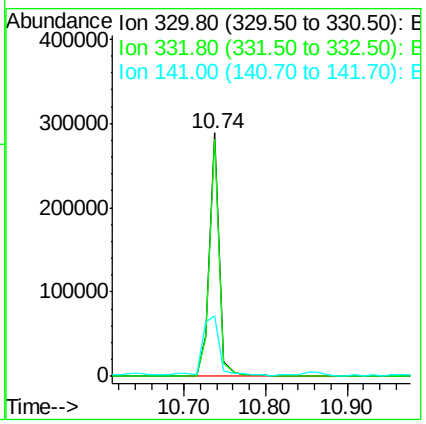


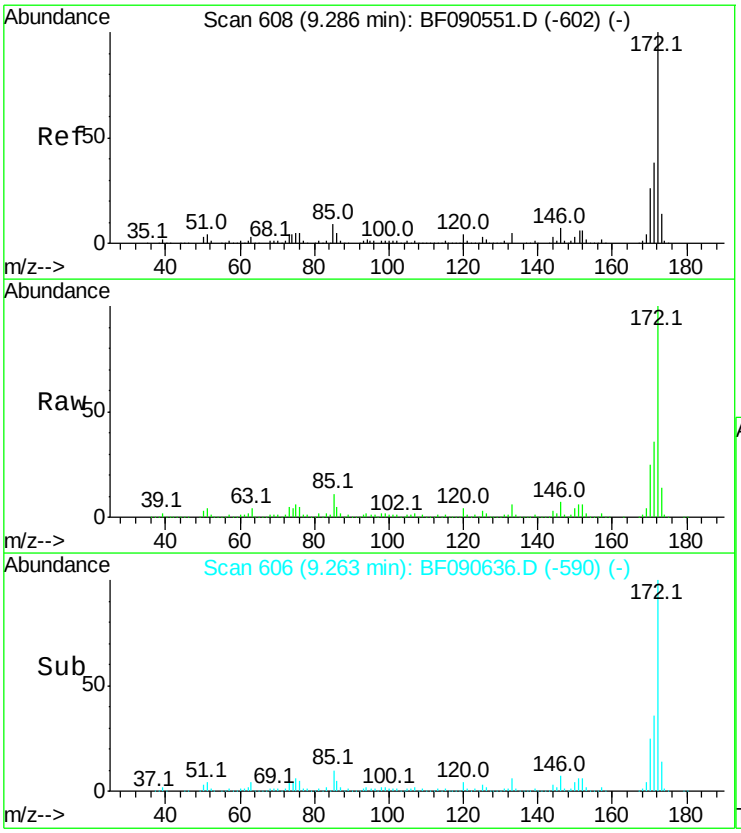
#41
2,4,6-Tribromophenol
Concen: 72.86 ng
RT: 10.74 min Scan# 735
Delta R.T. -0.01 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Instrument :
BNA_F
ClientSampleId :
SP-2-1

Tgt Ion:330 Resp: 253011

Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.2	114.2
141	41.6	31.4	47.2

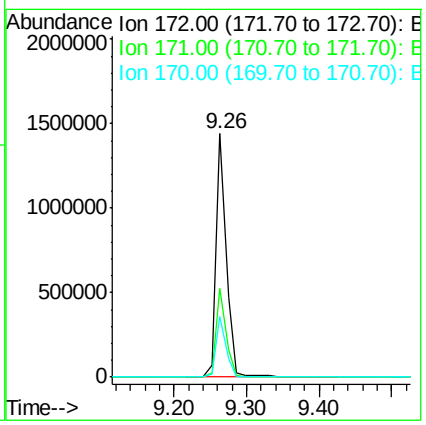


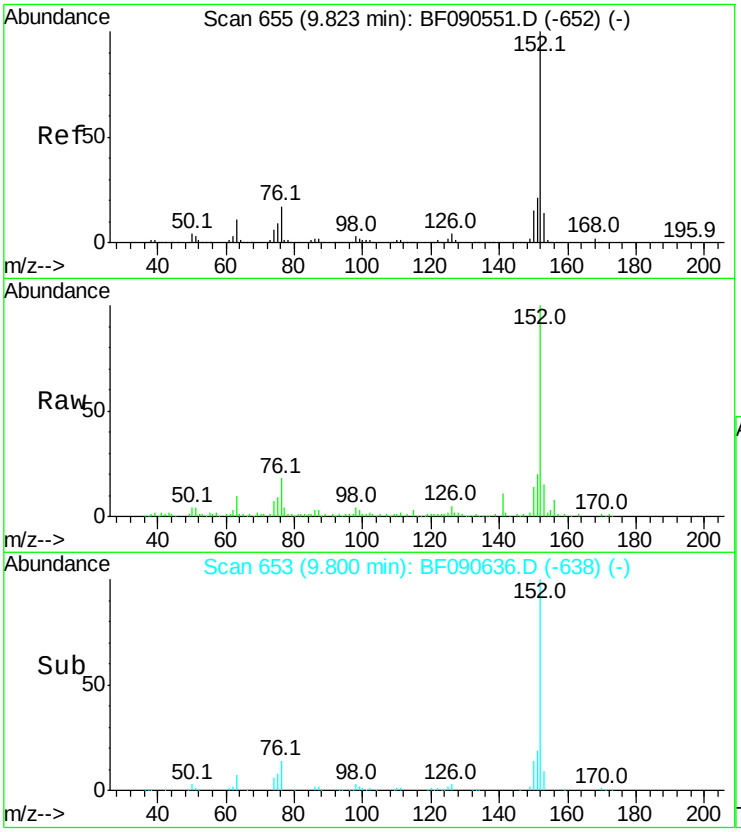


#44
2-Fluorobiphenyl
Concen: 60.32 ng
RT: 9.26 min Scan# 606
Delta R.T. -0.01 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Tgt Ion:172 Resp: 1426055

Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.1	45.1
170	25.1	20.6	30.8



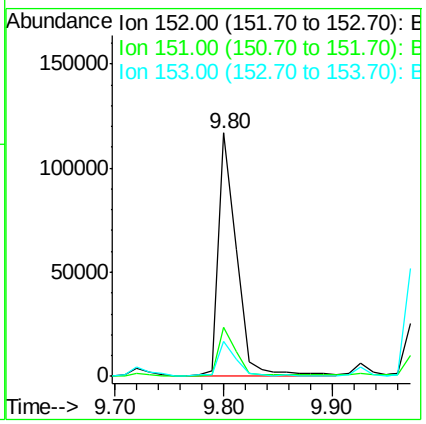


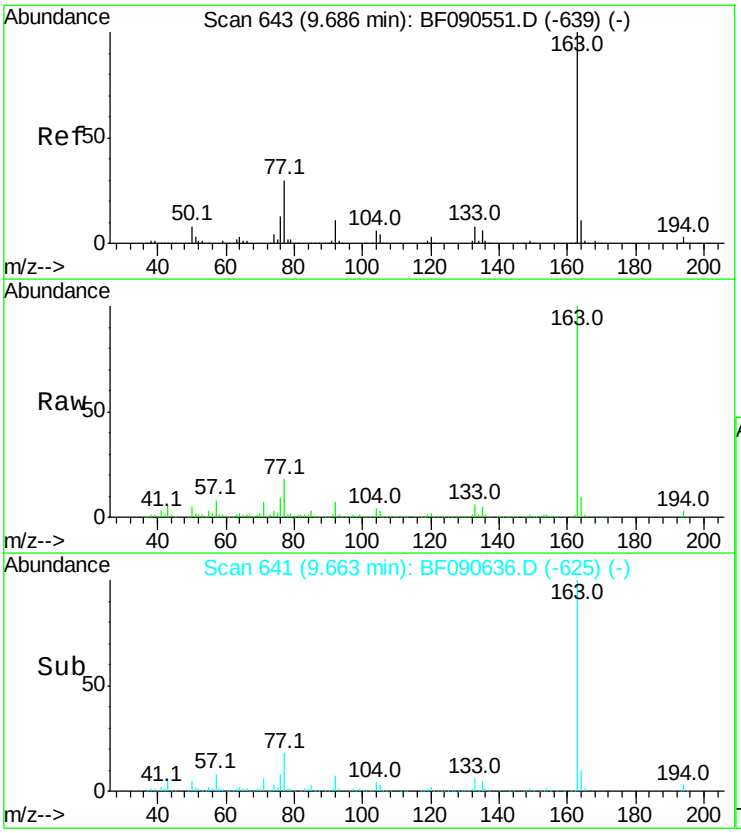
#48
Acenaphthylene
Concen: 3.82 ng
RT: 9.80 min Scan# 653
Delta R.T. -0.02 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Instrument :
BNA_F
ClientSampleId :
SP-2-1

Tgt Ion:152 Resp: 134362

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.6	25.0
153	14.5	11.3	16.9

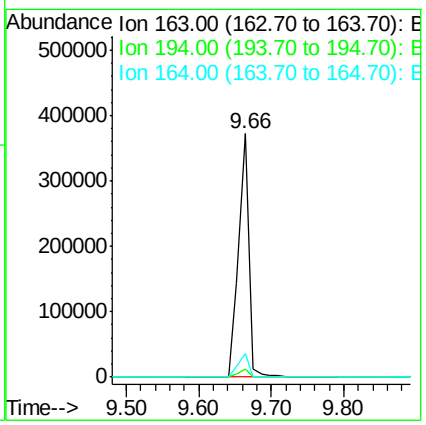


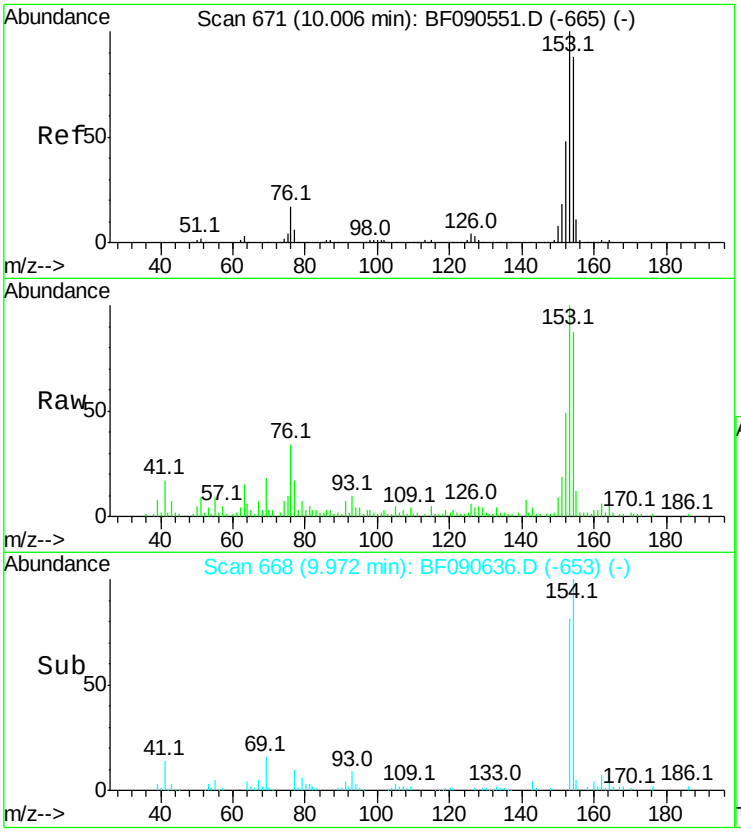


#49
Dimethylphthalate
Concen: 14.65 ng
RT: 9.66 min Scan# 641
Delta R.T. -0.01 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Tgt Ion:163 Resp: 370240

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.3	3.5#
164	9.8	8.6	13.0



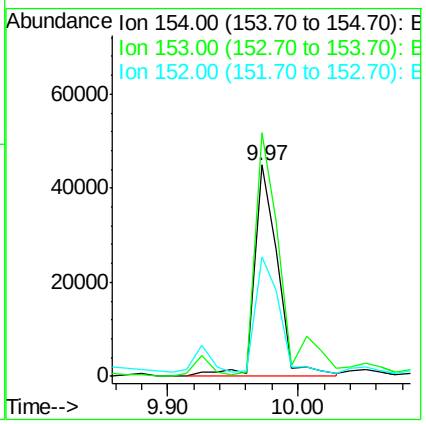


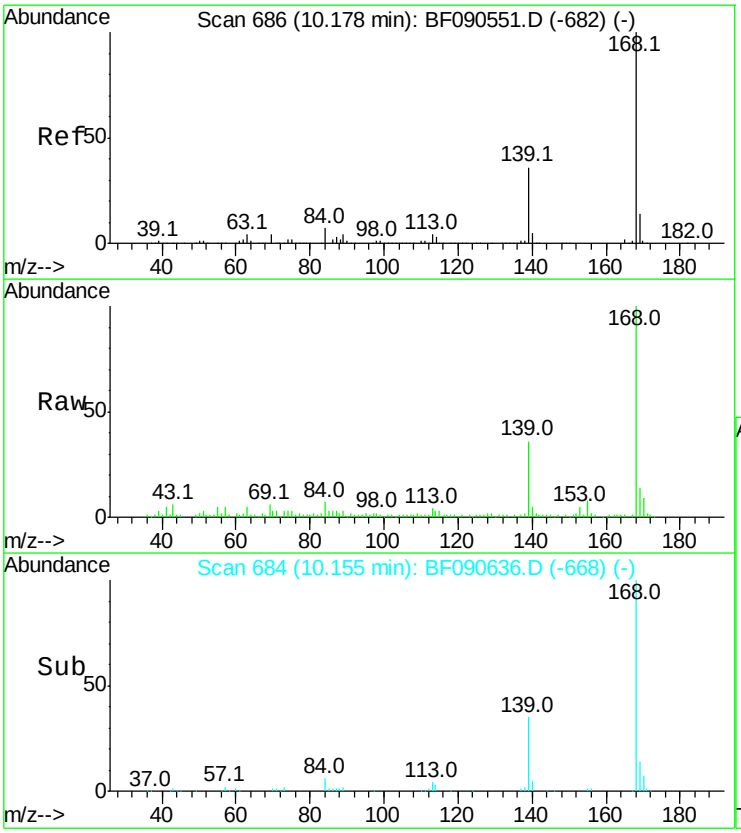
#51
Acenaphthene
Concen: 2.37 ng
RT: 9.97 min Scan# 668
Delta R.T. -0.02 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Instrument :
BNA_F
ClientSampleId :
SP-2-1

Tgt Ion:154 Resp: 55462

Ion	Ratio	Lower	Upper
154	100		
153	115.3	91.2	136.8
152	56.8	44.0	66.0

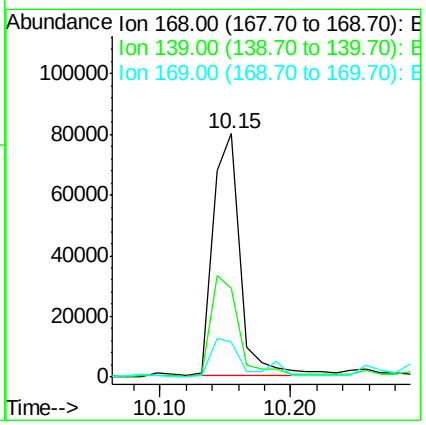


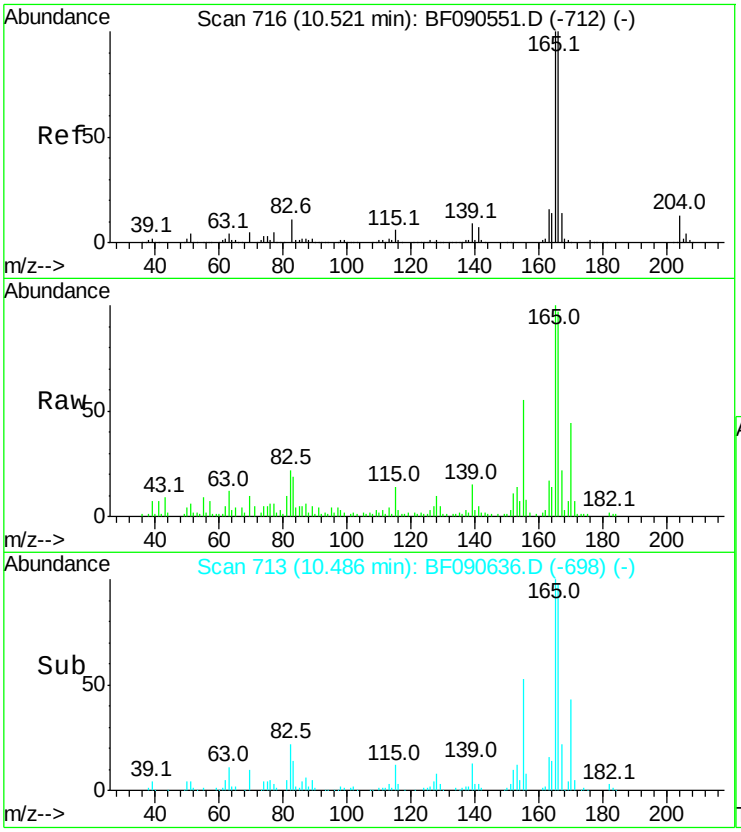


#54
Dibenzofuran
Concen: 3.80 ng
RT: 10.15 min Scan# 684
Delta R.T. -0.01 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Tgt Ion:168 Resp: 116989

Ion	Ratio	Lower	Upper
168	100		
139	36.2	30.5	45.7
169	14.3	10.9	16.3



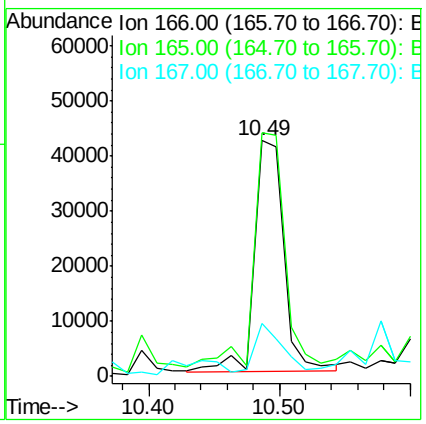


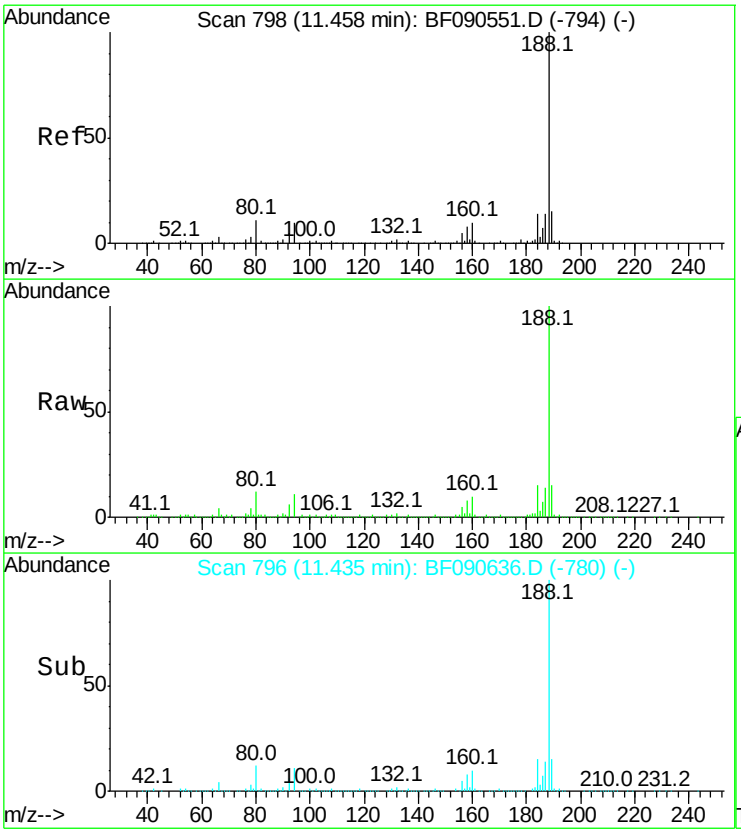
#57
Fluorene
Concen: 2.65 ng
RT: 10.49 min Scan# 713
Delta R.T. -0.02 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Instrument :
BNA_F
ClientSampleId :
SP-2-1

Tgt Ion:166 Resp: 67186

Ion	Ratio	Lower	Upper
166	100		
165	103.3	79.9	119.9
167	22.3	10.9	16.3#

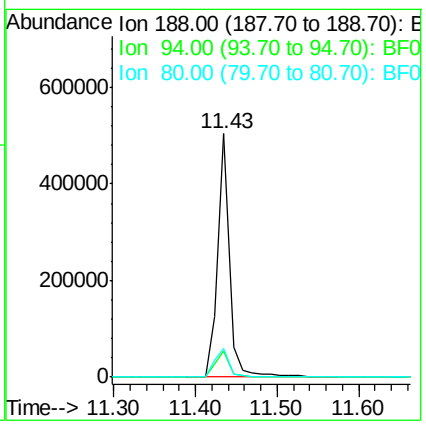


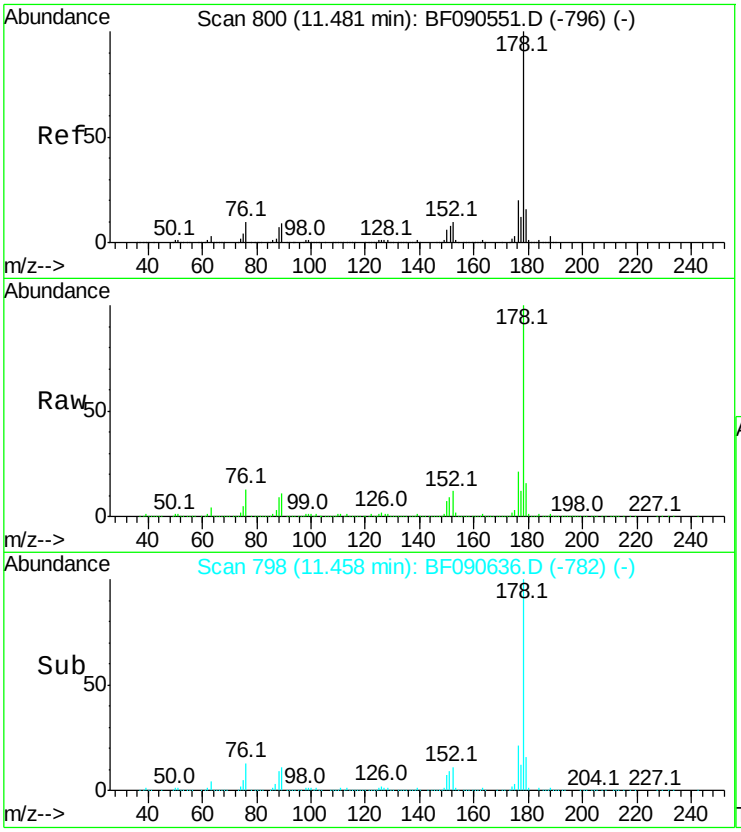


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Tgt Ion:188 Resp: 508445

Ion	Ratio	Lower	Upper
188	100		
94	10.8	7.7	11.5
80	11.8	8.6	12.8



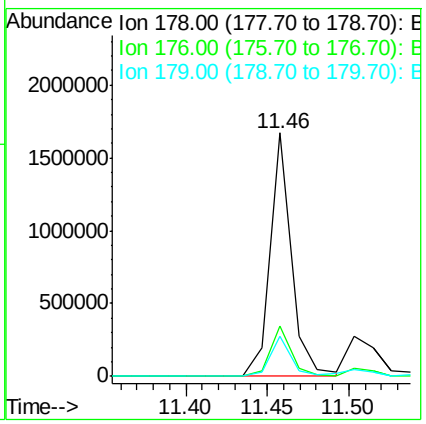


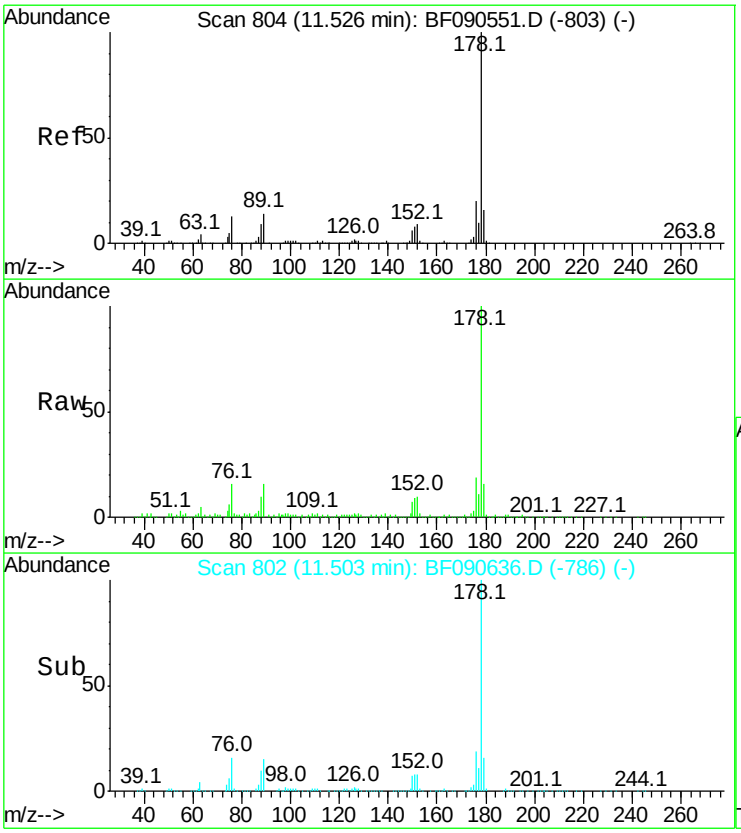
#70
Phenanthrene
Concen: 55.98 ng
RT: 11.46 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Instrument :
BNA_F
ClientSampleId :
SP-2-1

Tgt Ion:178 Resp: 1519320

Ion	Ratio	Lower	Upper
178	100		
176	20.8	16.1	24.1
179	16.3	12.6	19.0

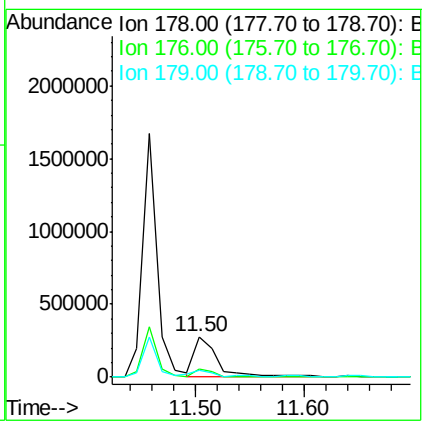


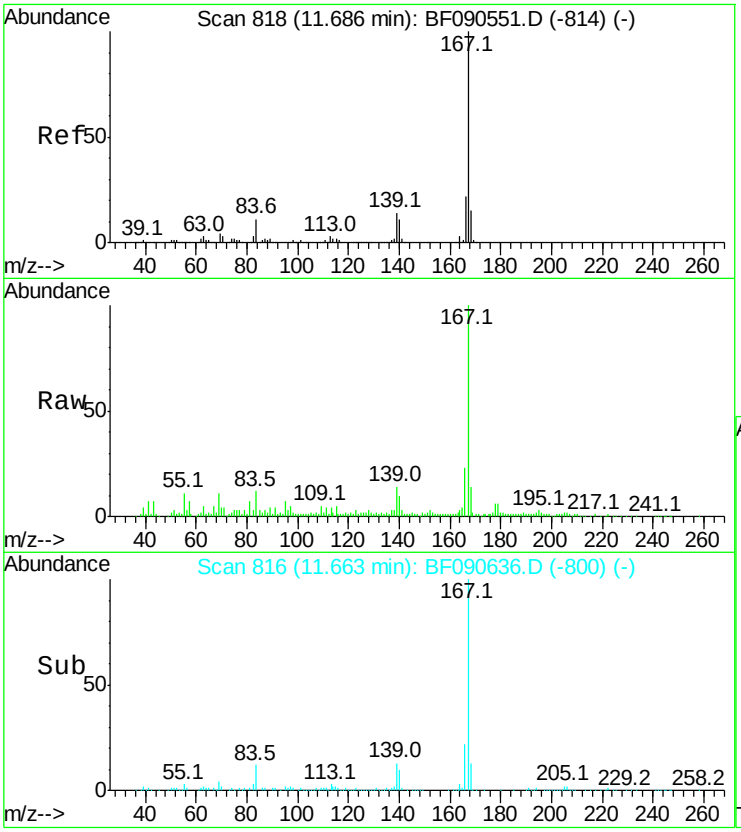


#71
Anthracene
Concen: 13.12 ng
RT: 11.50 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Tgt Ion:178 Resp: 383360

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.5	23.3
179	16.4	13.0	19.4



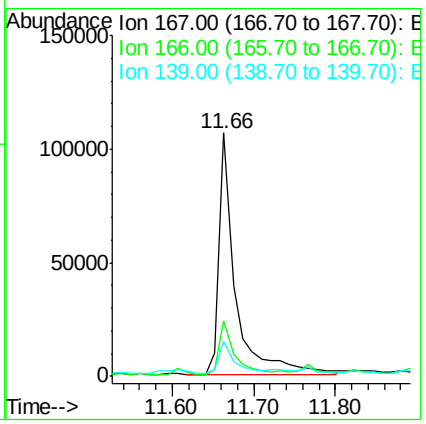


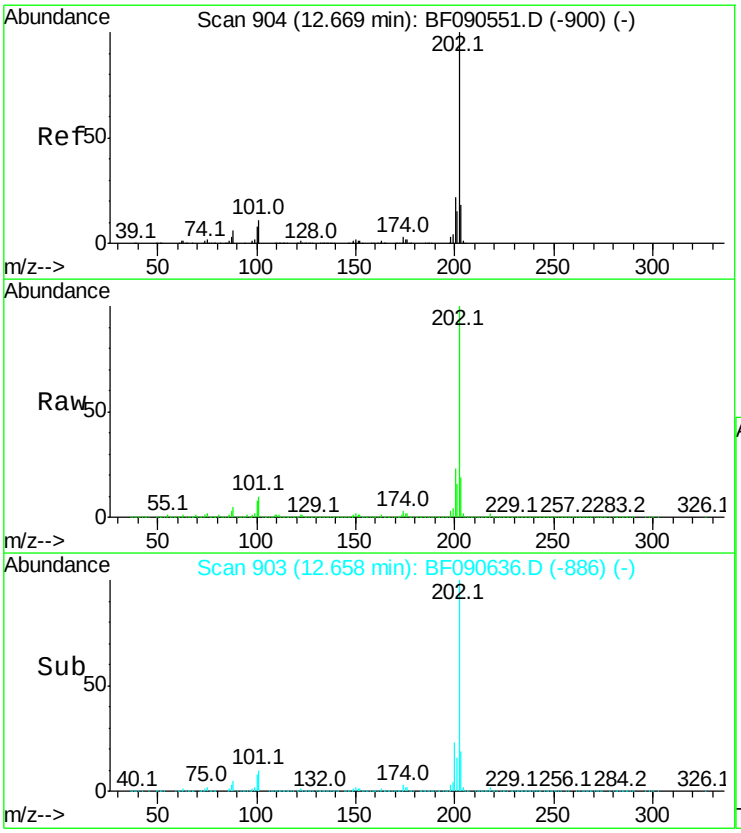
#72
Carbazole
Concen: 5.66 ng
RT: 11.66 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Instrument :
BNA_F
ClientSampleId :
SP-2-1

Tgt Ion:167 Resp: 148003

Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.8	26.8
139	14.4	11.3	16.9

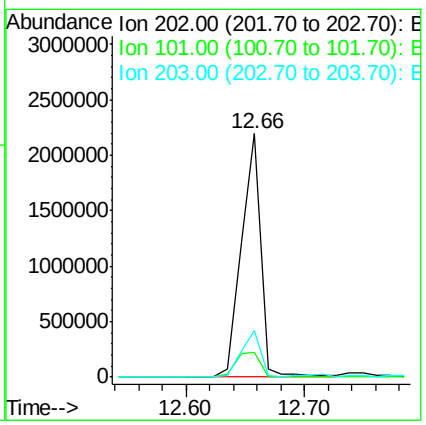


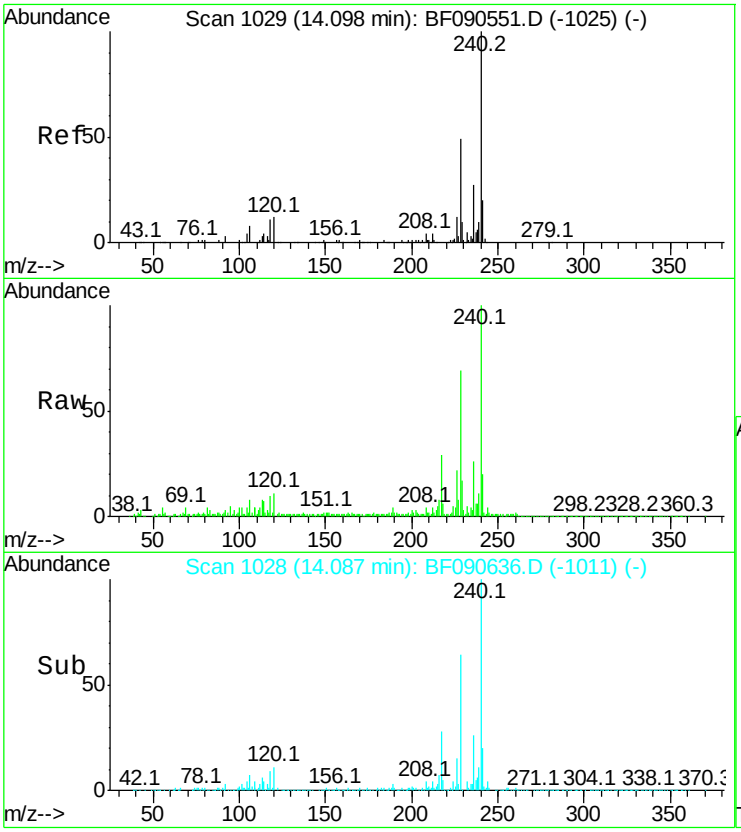


#74
Fluoranthene
Concen: 91.70 ng
RT: 12.66 min Scan# 903
Delta R.T. -0.00 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Tgt Ion:202 Resp: 2503491

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	31.1
203	19.0	0.0	38.0



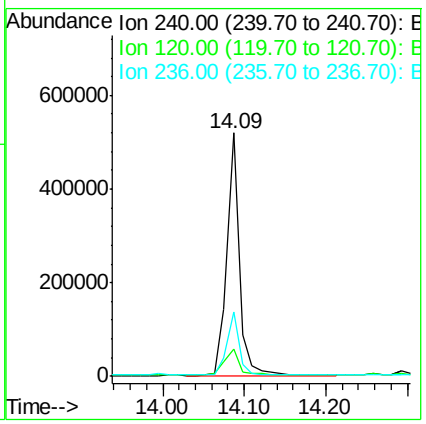


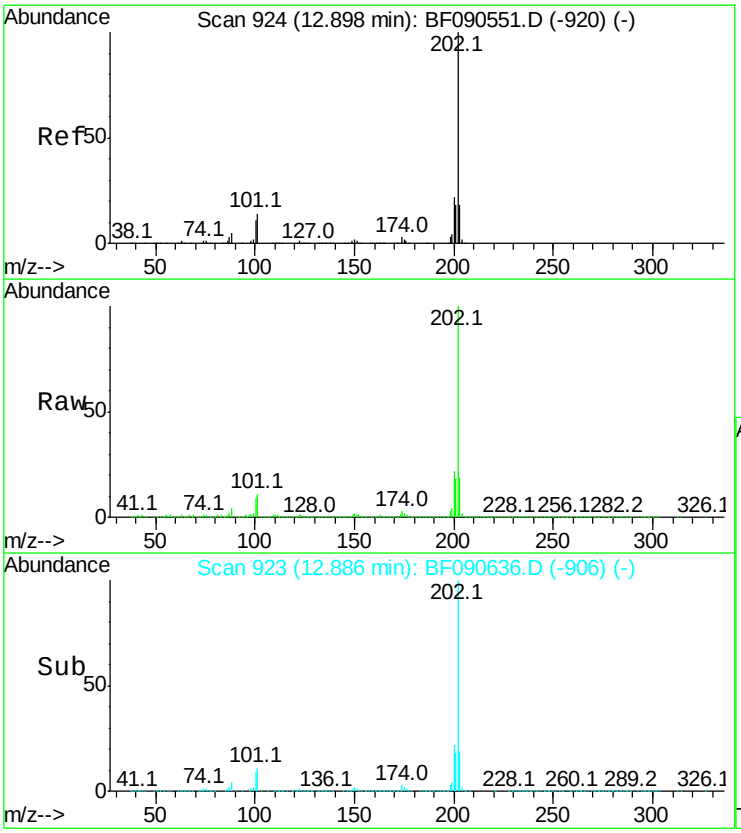
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.09 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Instrument :
BNA_F
ClientSampleId :
SP-2-1

Tgt Ion:240 Resp: 550725

Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.8	14.8
236	26.5	21.7	32.5

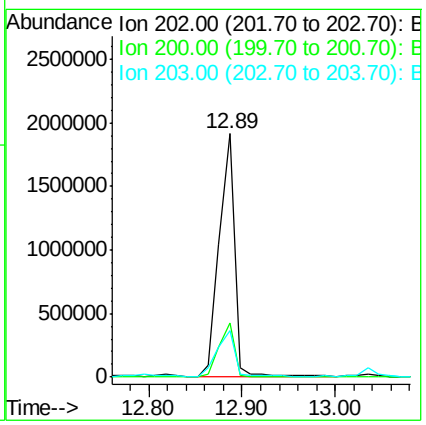


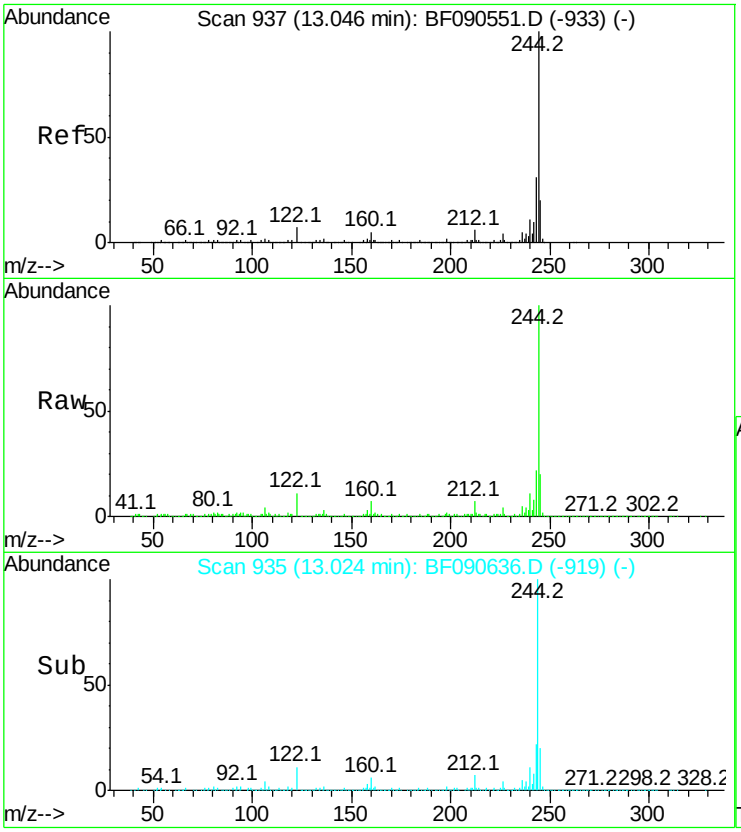


#77
Pyrene
Concen: 59.69 ng
RT: 12.89 min Scan# 923
Delta R.T. -0.00 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Tgt Ion:202 Resp: 2177139

Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.8	26.6
203	19.0	14.6	21.8



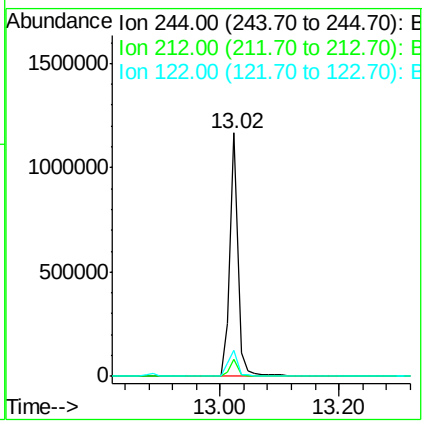


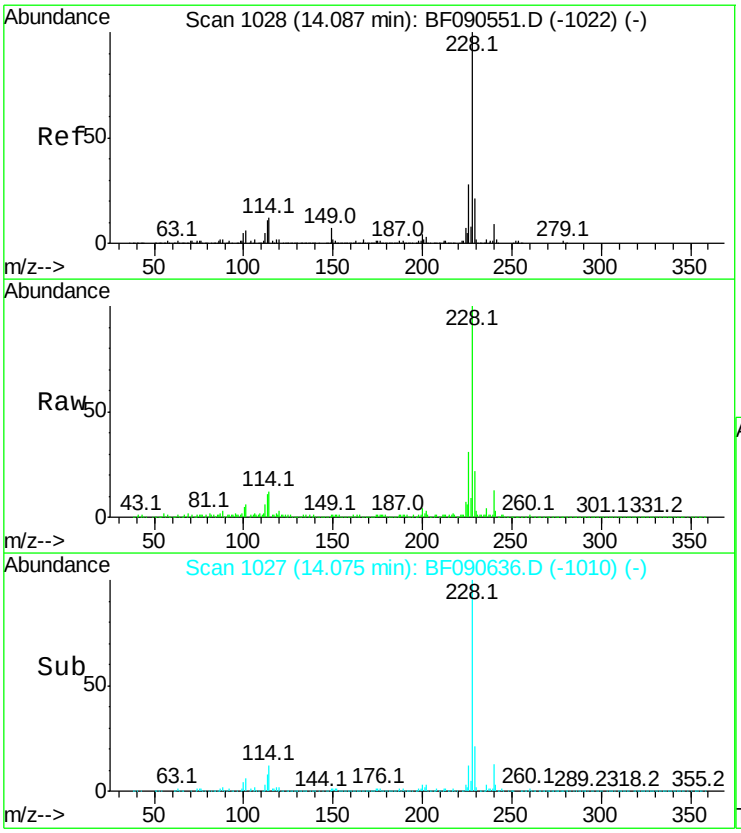
#78
Terphenyl-d14
Concen: 47.01 ng
RT: 13.02 min Scan# 935
Delta R.T. -0.01 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Instrument :
BNA_F
ClientSampleId :
SP-2-1

Tgt Ion:244 Resp: 1111830

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.0	7.4
122	10.9	5.6	8.4#

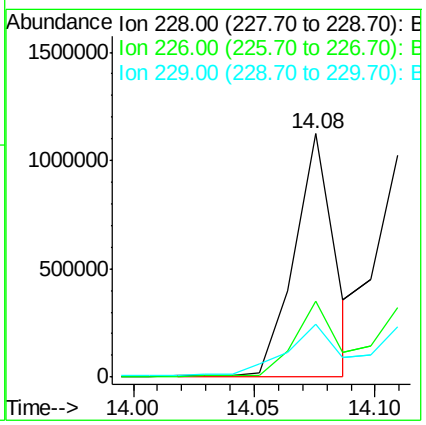


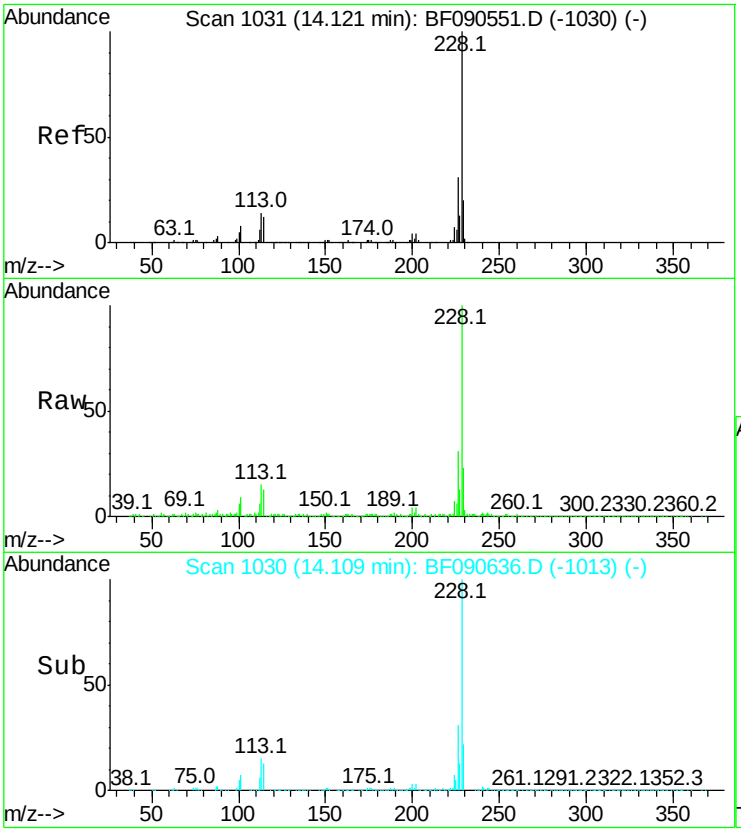


#80
Benzo(a)anthracene
Concen: 42.02 ng m
RT: 14.08 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Tgt Ion:228 Resp: 1317339

Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.8	34.2
229	21.7	16.6	25.0



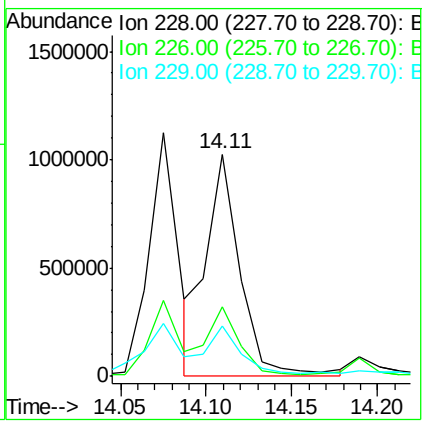


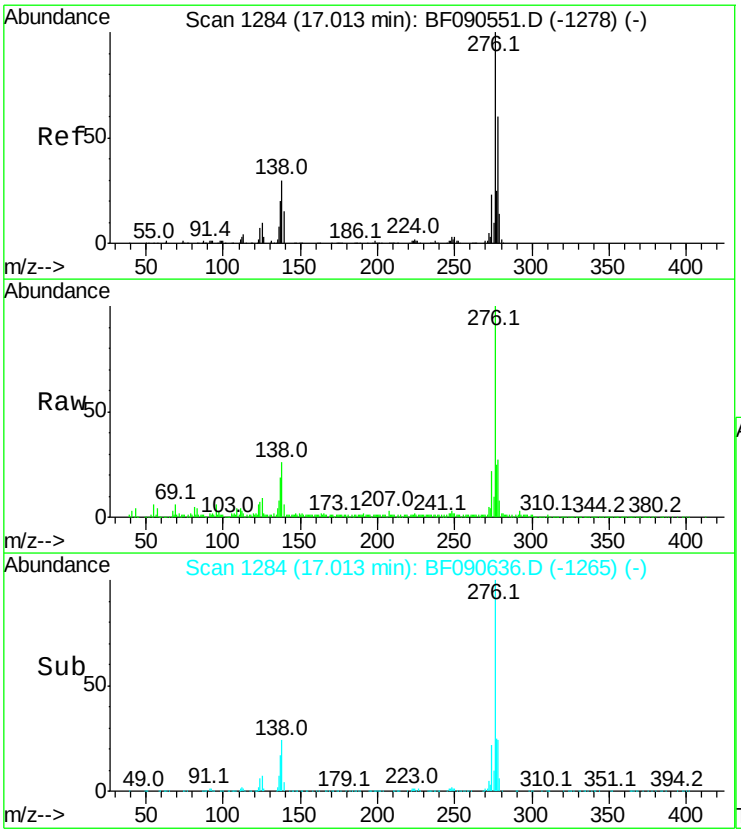
#82
Chrysene
Concen: 47.63 ng m
RT: 14.11 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Instrument :
BNA_F
ClientSampleId :
SP-2-1

Tgt Ion:228 Resp: 1438819

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.8	37.2
229	22.7	16.2	24.4

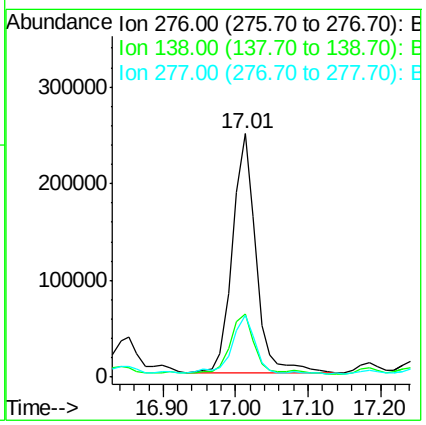


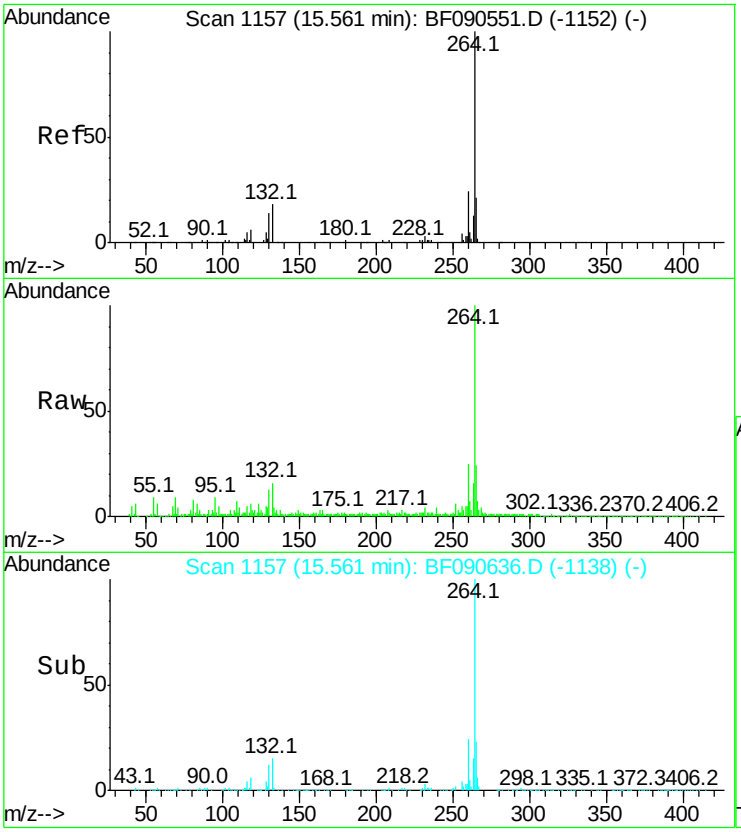


#85
Indeno(1,2,3-cd)pyrene
Concen: 31.82 ng
RT: 17.01 min Scan# 1284
Delta R.T. 0.02 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Tgt Ion:276 Resp: 555721

Ion	Ratio	Lower	Upper
276	100		
138	24.6	25.8	38.6#
277	23.1	20.1	30.1



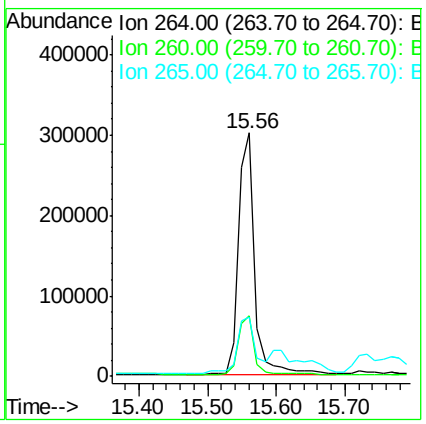


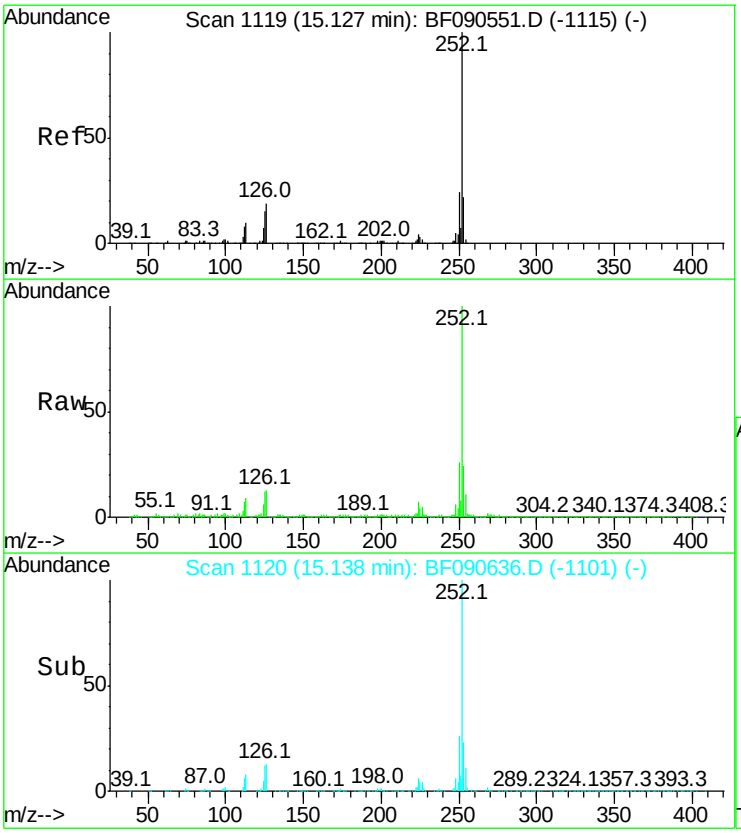
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 1157
Delta R.T. 0.02 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Instrument :
BNA_F
ClientSampleId :
SP-2-1

Tgt Ion:264 Resp: 500246

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.3	28.9
265	24.1	16.7	25.1

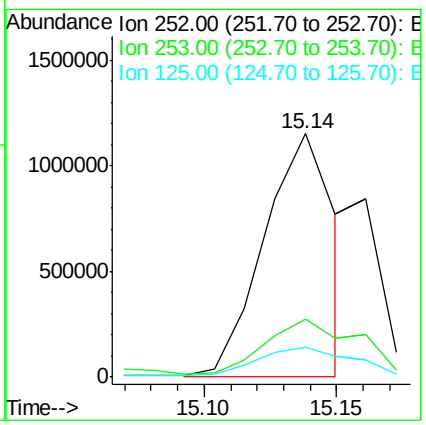


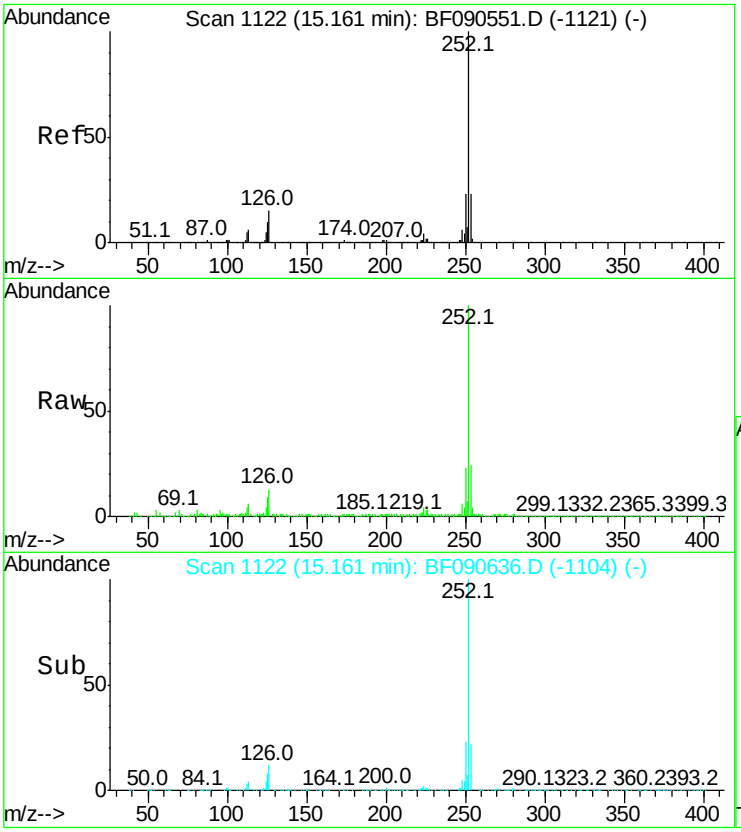


#87
Benzo(b)fluoranthene
Concen: 65.52 ng m
RT: 15.14 min Scan# 1120
Delta R.T. 0.02 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Tgt Ion:252 Resp: 2144760

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.8
125	12.4	12.0	18.0



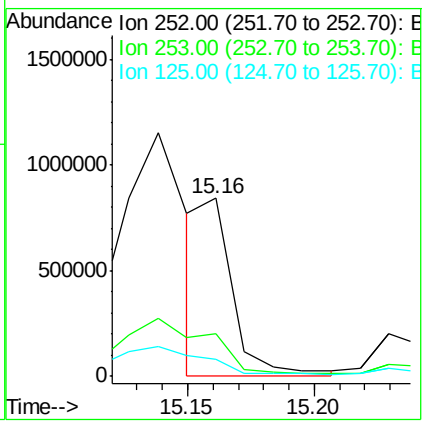


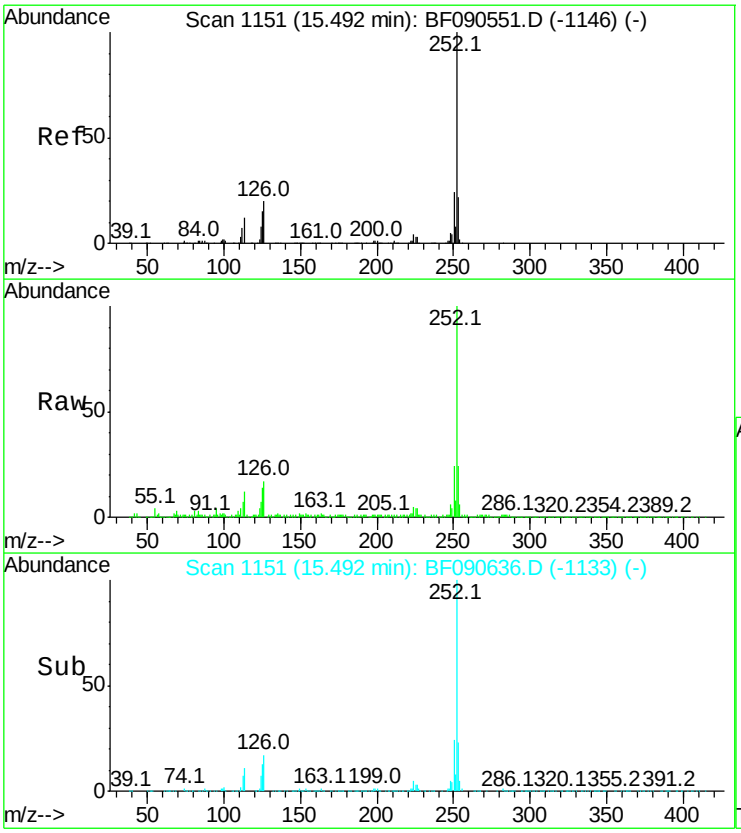
#88
Benzo(k)fluoranthene
Concen: 20.57 ng m
RT: 15.16 min Scan# 1122
Delta R.T. 0.01 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Instrument :
BNA_F
ClientSampleId :
SP-2-1

Tgt Ion:252 Resp: 724356

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.0	27.0
125	9.3	10.0	15.0#

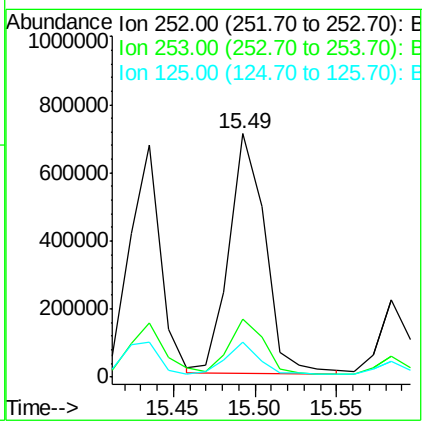


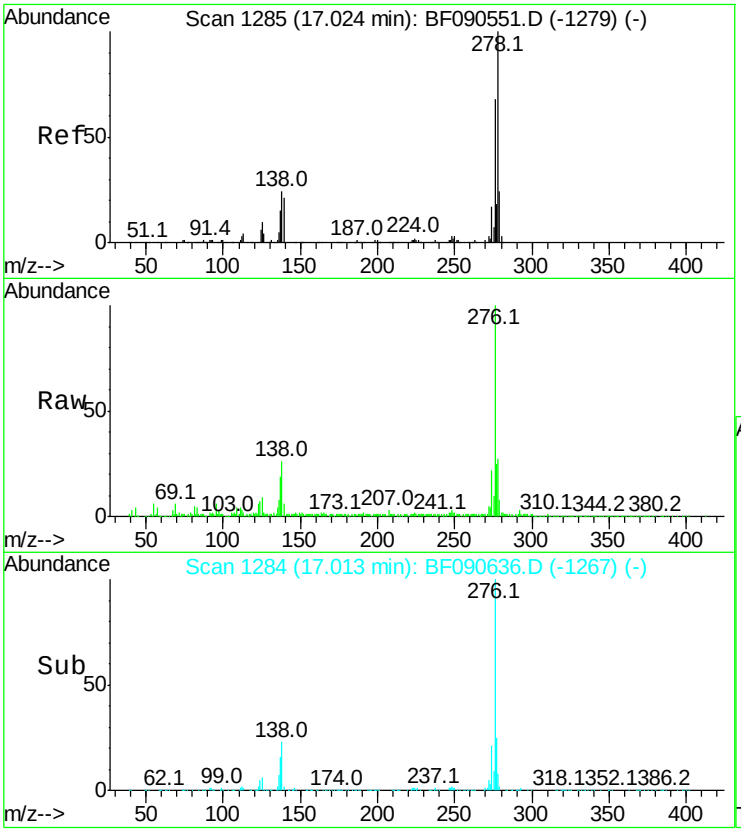


#89
Benzo(a)pyrene
Concen: 35.88 ng
RT: 15.49 min Scan# 1151
Delta R.T. 0.01 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Tgt Ion:252 Resp: 1075190

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	14.3	12.3	18.5



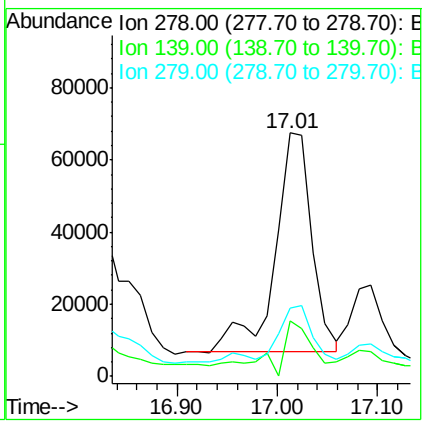


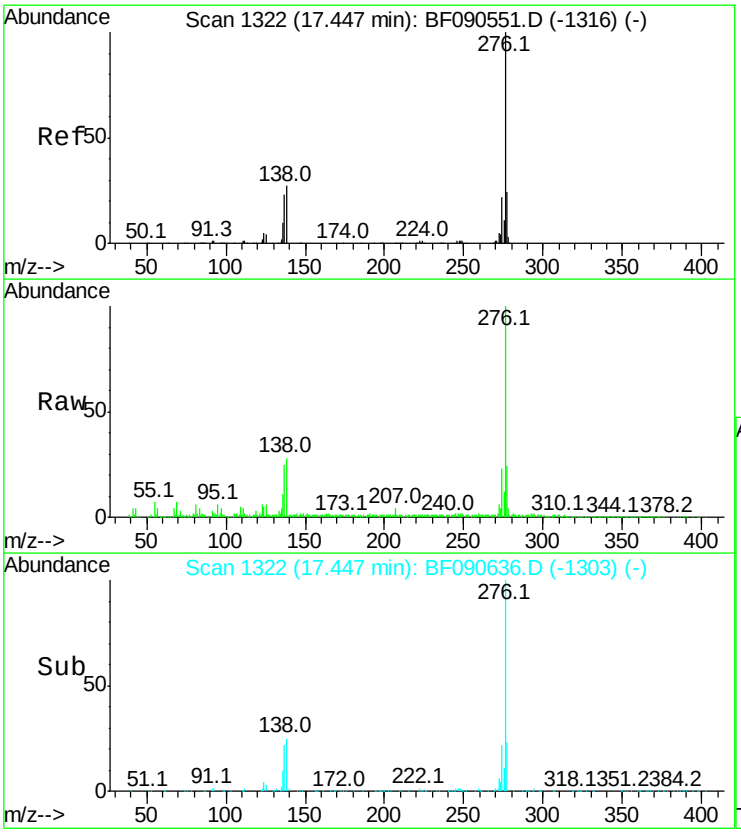
#90
Dibenzo(a,h)anthracene
Concen: 6.71 ng
RT: 17.01 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Instrument :
BNA_F
ClientSampleId :
SP-2-1

Tgt Ion:278 Resp: 153462

Ion	Ratio	Lower	Upper
278	100		
139	22.8	16.6	25.0
279	28.1	19.1	28.7





#91
Benzo(g,h,i)perylene
Concen: 20.34 ng
RT: 17.45 min Scan# 1322
Delta R.T. 0.02 min
Lab File: BF090636.D
Acq: 18 Oct 2016 19:03

Tgt Ion:276 Resp: 443360

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.8	28.2
138	28.2	21.8	32.8