Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
Data File : BF091808.D
Acq On : 20 Dec 2016 9:47
Operator : UM/SJ
Sample : H6125-01DL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-49(11-13)-12-14-16DL

Quant Time: Dec 20 23:57:28 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 17 22:53:54 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	190902	20.00	ng		-0.01
21) Naphthalene-d8	8.06	136	591576	20.00	ng		0.00
38) Acenaphthene-d10	9.81	164	326600	20.00	ng		0.00
63) Phenanthrene-d10	11.29	188	706023	20.00	ng		0.00
75) Chrysene-d12	13.92	240	622944	20.00	ng		-0.01
86) Perylene-d12	15.31	264	489911	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.37	112	1070350	93.94	ng		0.00
7) Phenol-d6	6.41	99	1202823	86.56	ng		-0.01
23) Nitrobenzene-d5	7.33	82	874073	85.21	ng		-0.01
41) 2,4,6-Tribromophenol	10.60	330	283637	102.42	ng		0.00
44) 2-Fluorobiphenyl	9.14	172	1044481	64.25	ng		0.00
78) Terphenyl-d14	12.87	244	1077152	43.66	ng		-0.01
Target Compounds							Qvalue
10) Phenol	6.42	94	89719	5.73	ng		83
31) Naphthalene	8.09	128	1459447	51.64	ng	#	94
37) 2-Methylnaphthalene	8.78	142	2394418	134.39	ng		99
49) Dimethylphthalate	9.53	163	189600	8.89	ng	#	72
51) Acenaphthene	9.85	154	151277	8.13	ng	#	84
57) Fluorene	10.35	166	240863	14.02	ng	#	85
70) Phenanthrene	11.31	178	1614680	45.77	ng		99
71) Anthracene	11.36	178	400807	10.73	ng		98
72) Carbazole	11.52	167	113407	3.47	ng		92
74) Fluoranthene	12.50	202	1463390	39.72	ng		97
77) Pyrene	12.73	202	1531345	34.04	ng		100
80) Benzo(a)anthracene	13.91	228	592133	16.62	ng		100
82) Chrysene	13.94	228	548974m	14.86	ng		
85) Indeno(1,2,3-cd)pyrene	16.65	276	186716	5.14	ng		93
87) Benzo(b)fluoranthene	14.92	252	525235m	16.91	ng		
88) Benzo(k)fluoranthene	14.93	252	137017m	6.29	ng		
89) Benzo(a)pyrene	15.25	252	362999	13.61	ng		99
90) Dibenzo(a,h)anthracene	16.66	278	47312	2.04	ng		97
91) Benzo(g,h,i)perylene	17.05	276	187757	7.95	ng		97

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

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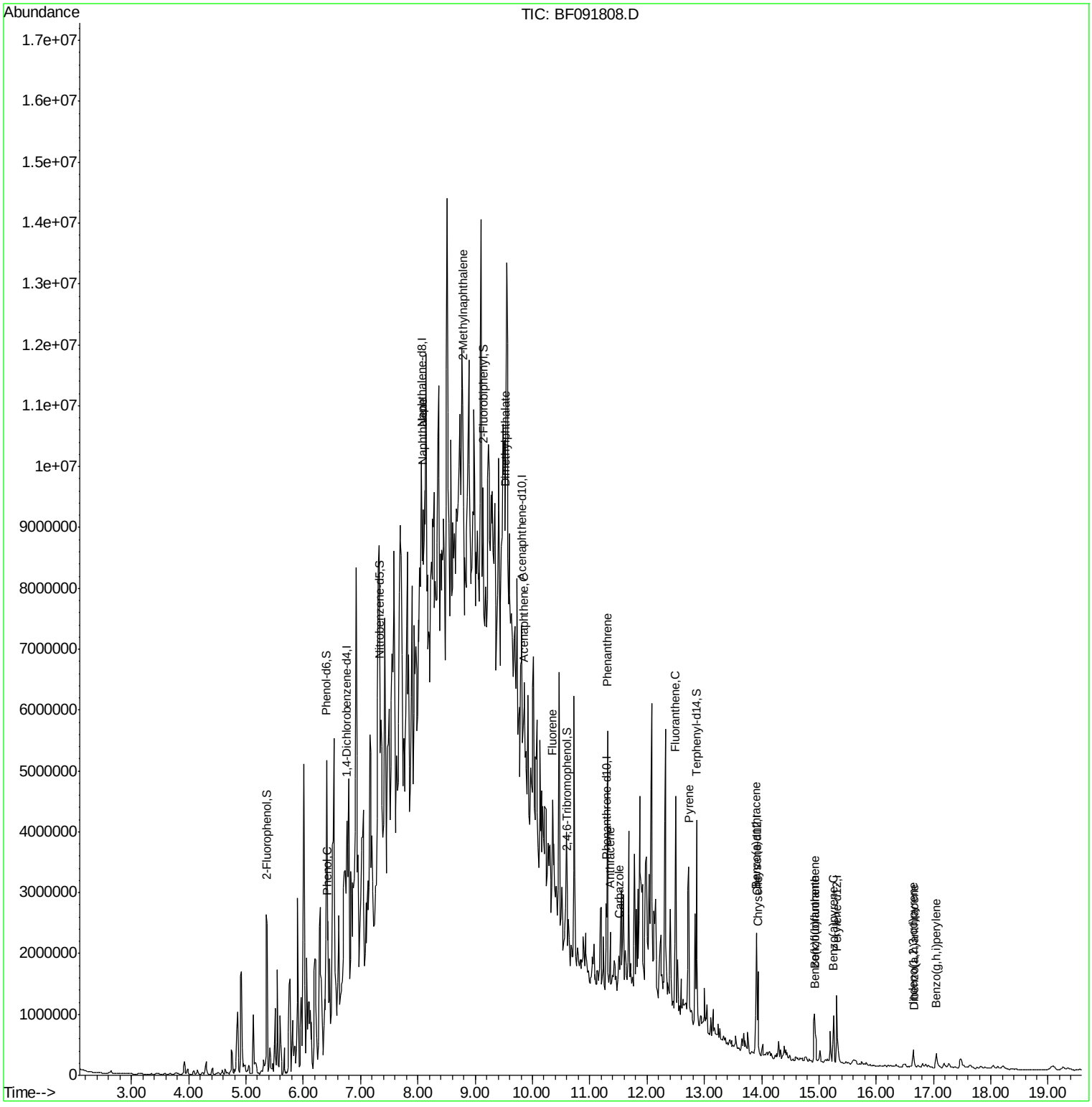
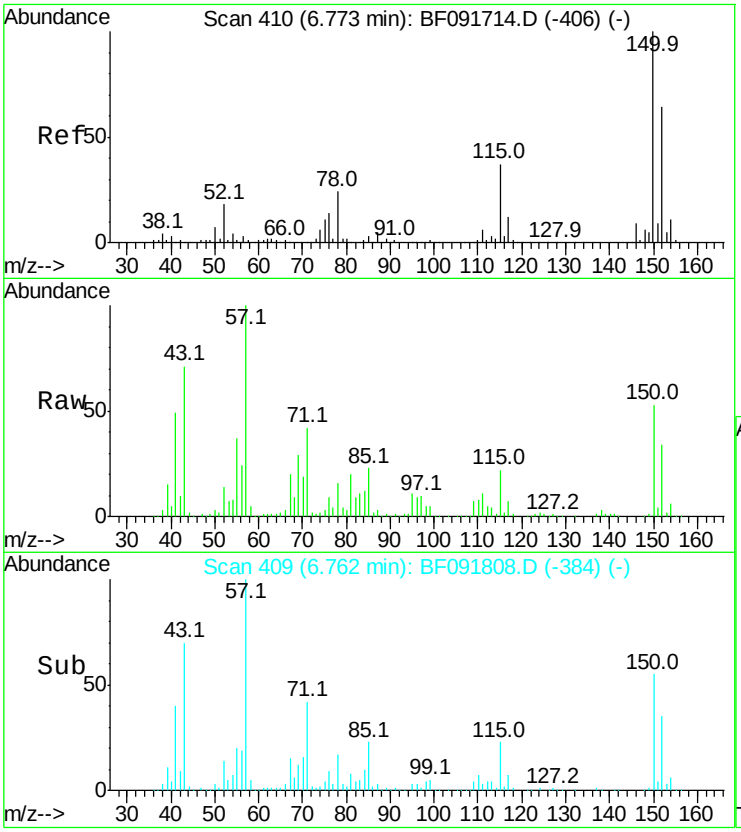


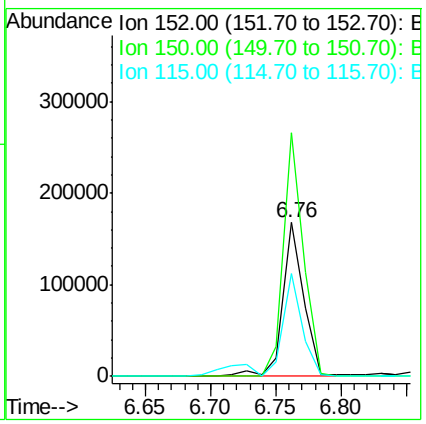


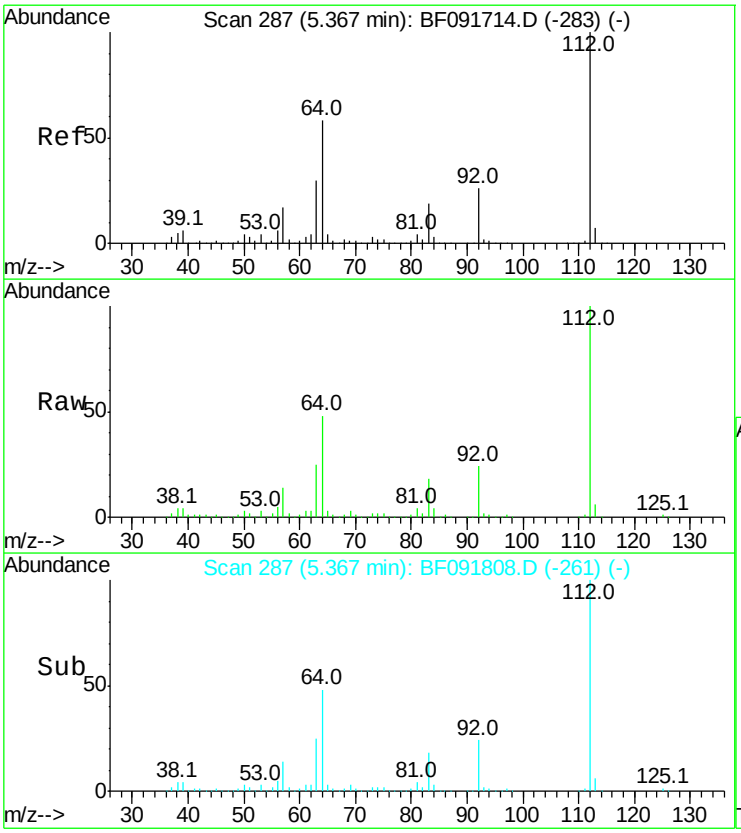
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 409
Delta R.T. -0.01 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16DL

Tgt Ion:152 Resp: 190902

Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.9	187.3
115	66.9	46.0	69.0

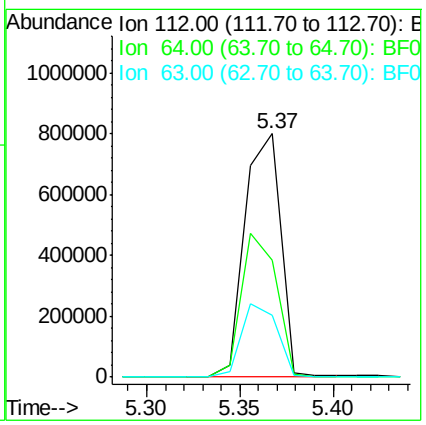


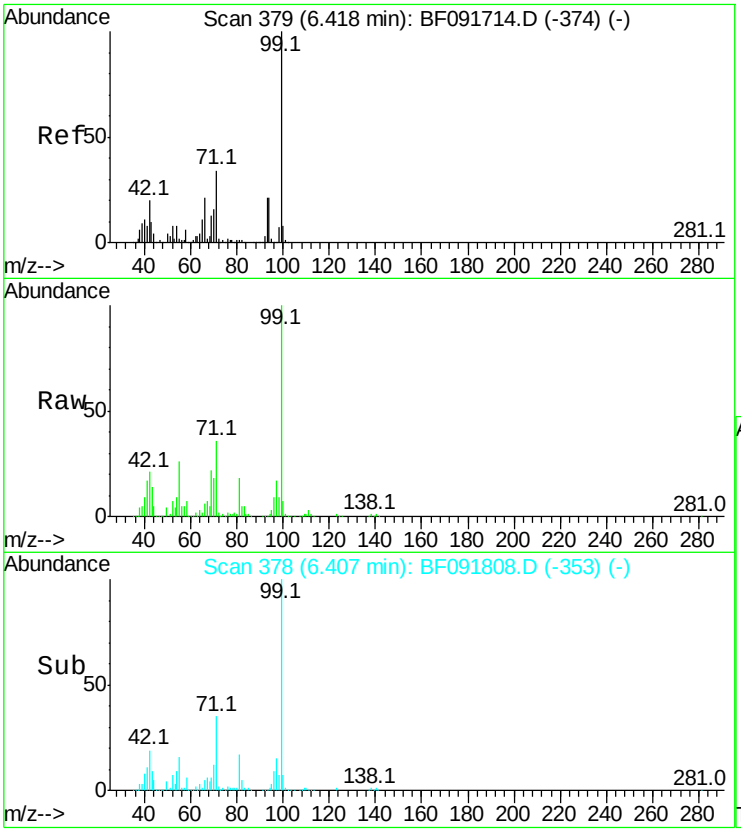


#5
2-Fluorophenol
Concen: 93.94 ng
RT: 5.37 min Scan# 287
Delta R.T. 0.00 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Tgt Ion:112 Resp: 1070350

Ion	Ratio	Lower	Upper
112	100		
64	48.2	46.1	69.1
63	25.2	23.8	35.6



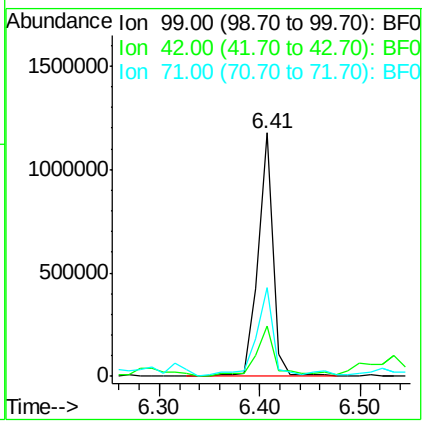


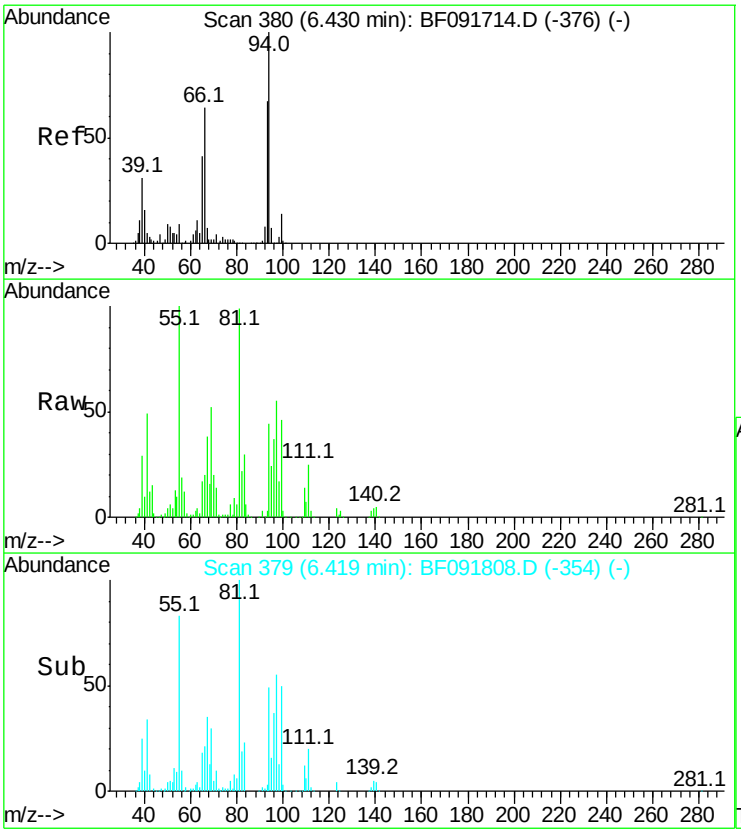
#7
Phenol-d6
Concen: 86.56 ng
RT: 6.41 min Scan# 378
Delta R.T. -0.01 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16DL

Tgt Ion: 99 Resp: 1202823

Ion	Ratio	Lower	Upper
99	100		
42	20.8	15.6	23.4
71	36.3	27.5	41.3

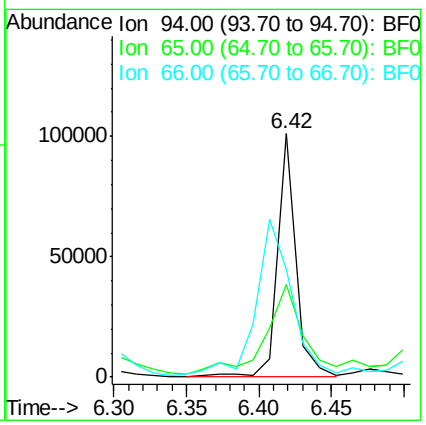


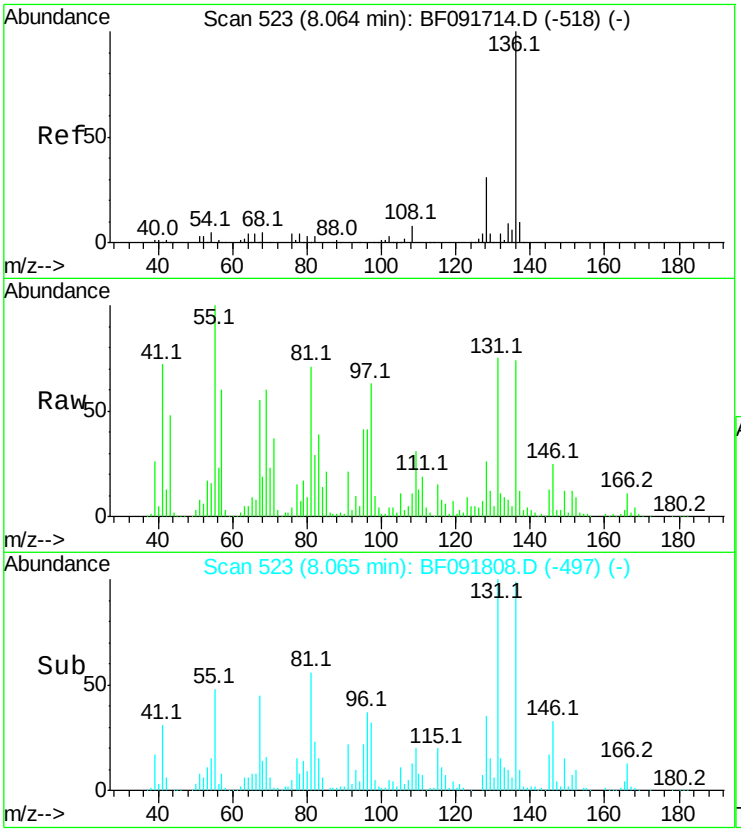


#10
Phenol
Concen: 5.73 ng
RT: 6.42 min Scan# 379
Delta R.T. -0.01 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Tgt Ion: 94 Resp: 89719

Ion	Ratio	Lower	Upper
94	100		
65	38.0	21.4	61.4
66	44.3	44.0	84.0



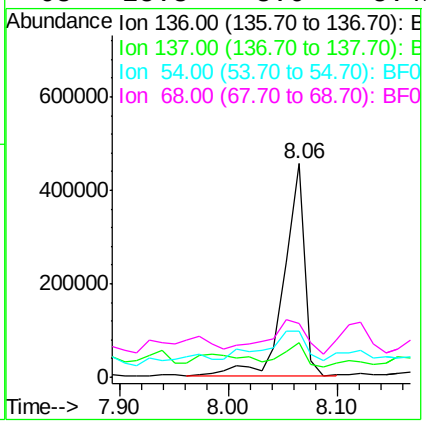


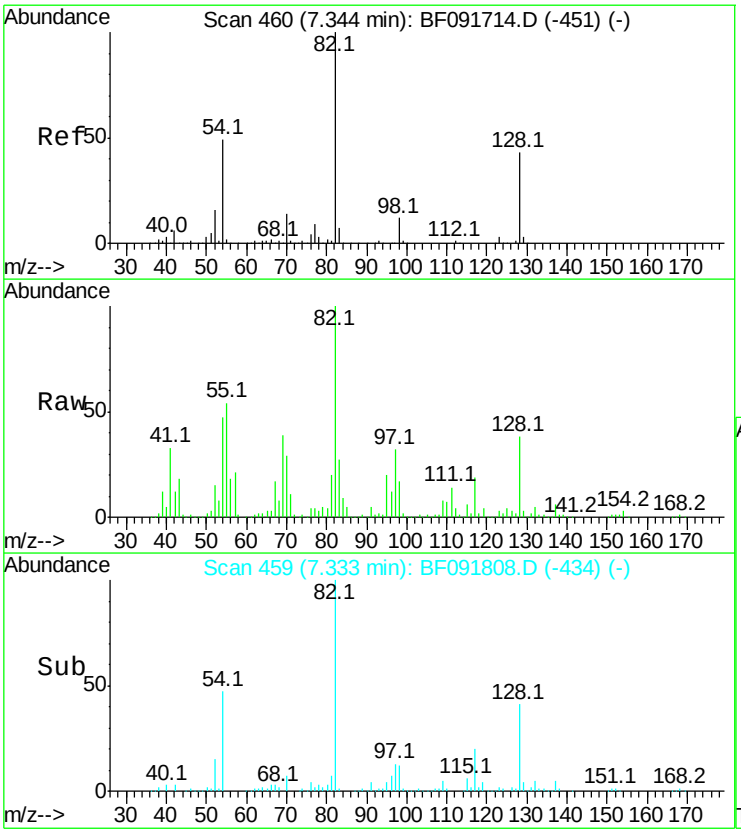
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 523
Delta R.T. 0.00 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16DL

Tgt Ion:136 Resp: 591576

Ion	Ratio	Lower	Upper
136	100		
137	16.4	8.4	12.6#
54	21.6	4.5	6.7#
68	25.3	3.6	5.4#

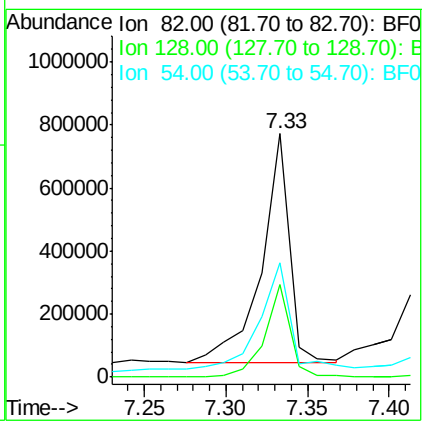


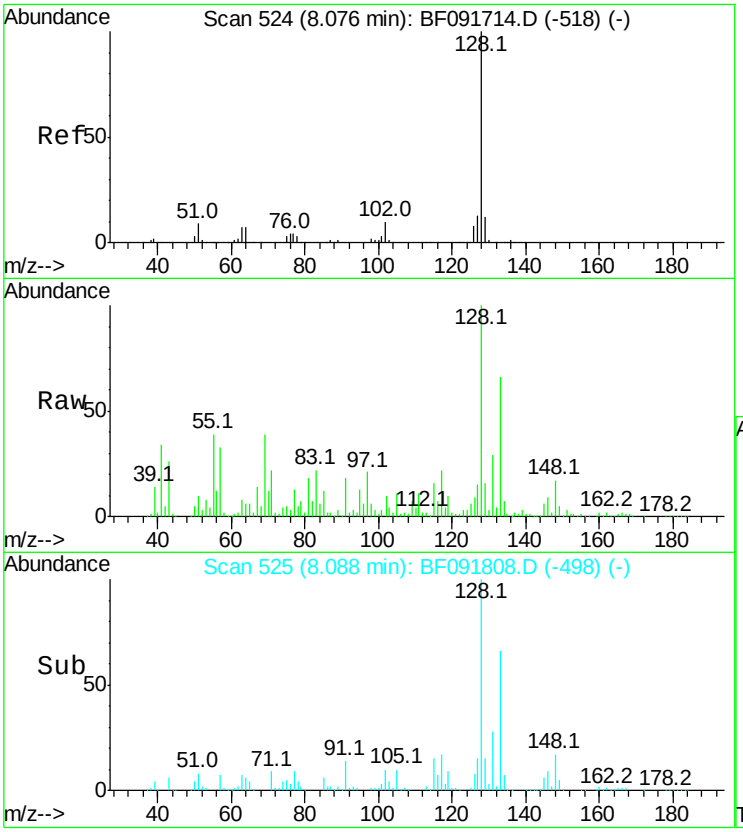


#23
Nitrobenzene-d5
Concen: 85.21 ng
RT: 7.33 min Scan# 459
Delta R.T. -0.01 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Tgt Ion: 82 Resp: 874073

Ion	Ratio	Lower	Upper
82	100		
128	38.1	34.6	52.0
54	47.2	39.5	59.3



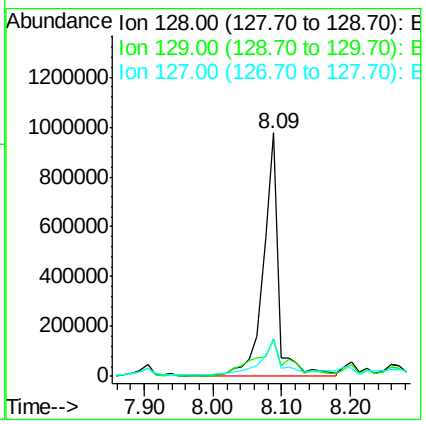


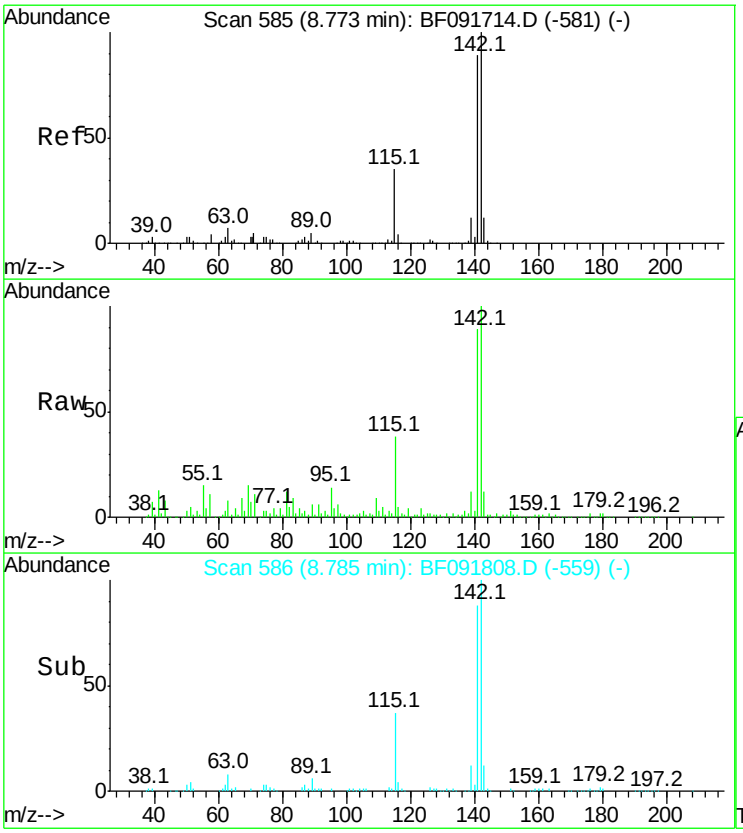
#31
Naphthalene
Concen: 51.64 ng
RT: 8.09 min Scan# 525
Delta R.T. 0.01 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16DL

Tgt Ion:128 Resp: 1459447

Ion	Ratio	Lower	Upper
128	100		
129	15.6	9.5	14.3#
127	15.0	10.8	16.2

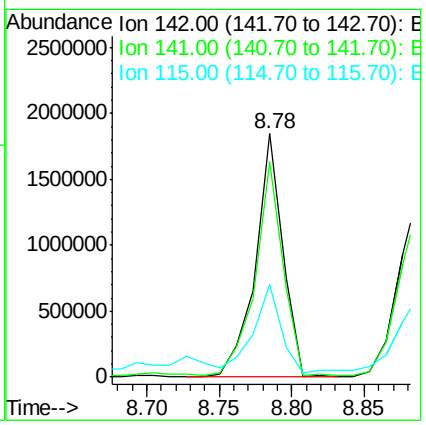


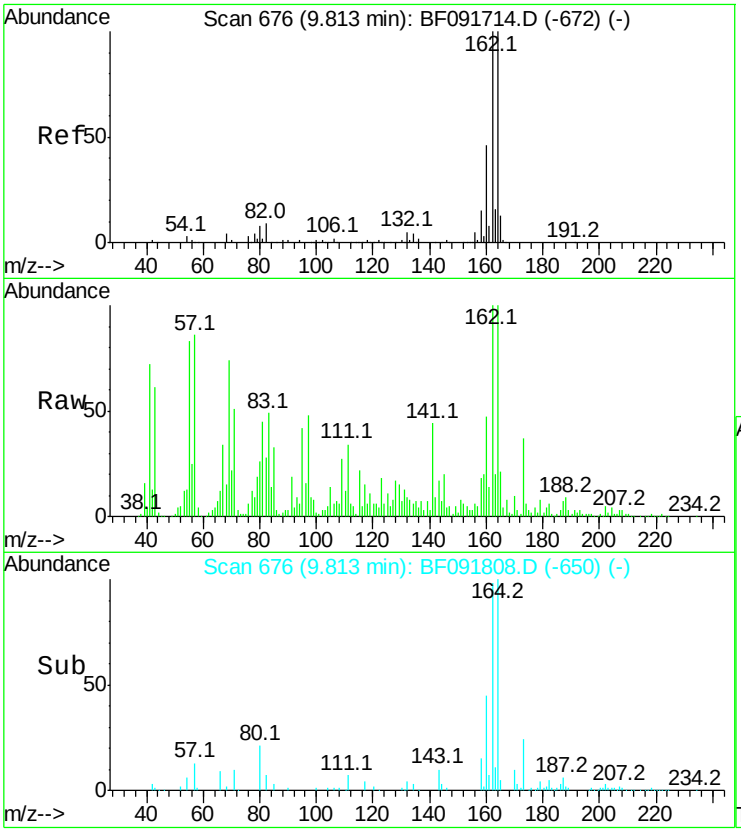


#37
2-Methylnaphthalene
Concen: 134.39 ng
RT: 8.78 min Scan# 586
Delta R.T. 0.01 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Tgt Ion:142 Resp: 2394418

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.0	106.6
115	38.2	28.3	42.5



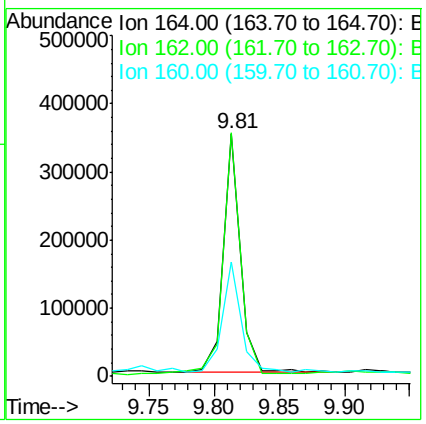


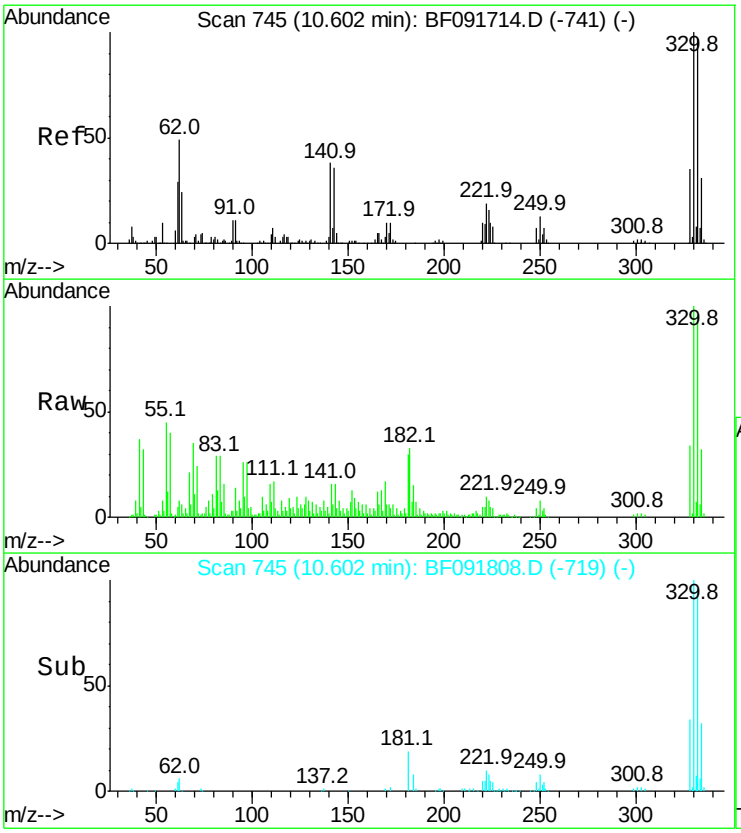
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.81 min Scan# 676
Delta R.T. 0.00 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16DL

Tgt Ion:164 Resp: 326600

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.2	120.2
160	47.2	36.9	55.3

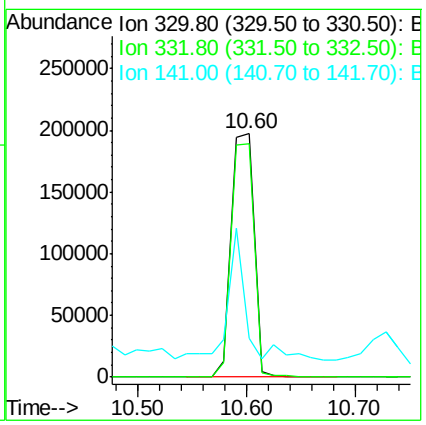


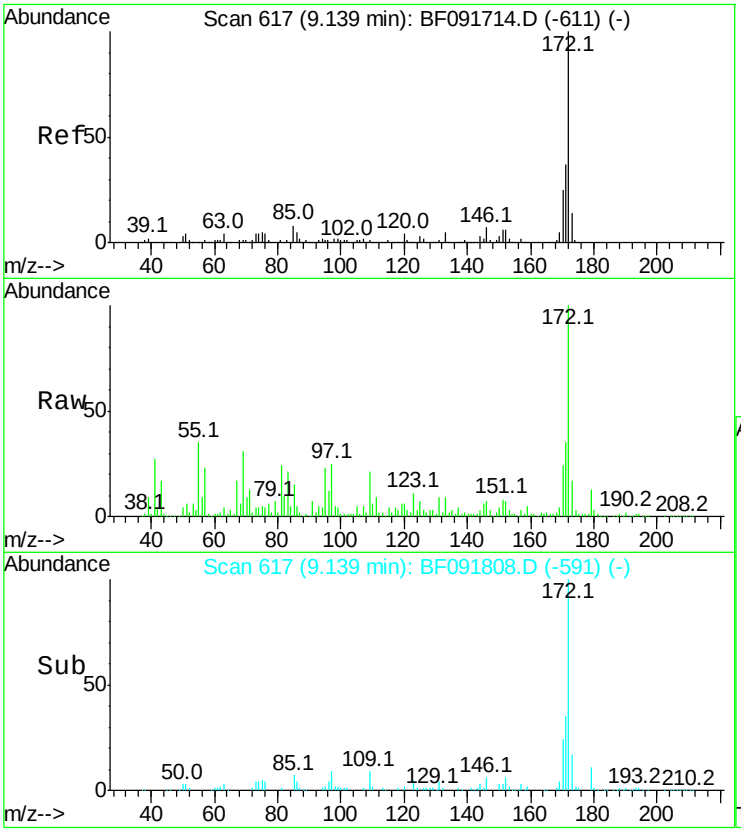


#41
2,4,6-Tribromophenol
Concen: 102.42 ng
RT: 10.60 min Scan# 745
Delta R.T. 0.00 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Tgt Ion:330 Resp: 283637

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.4	116.2
141	41.9	34.1	51.1



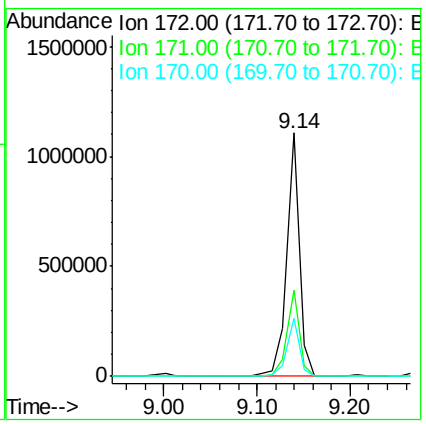


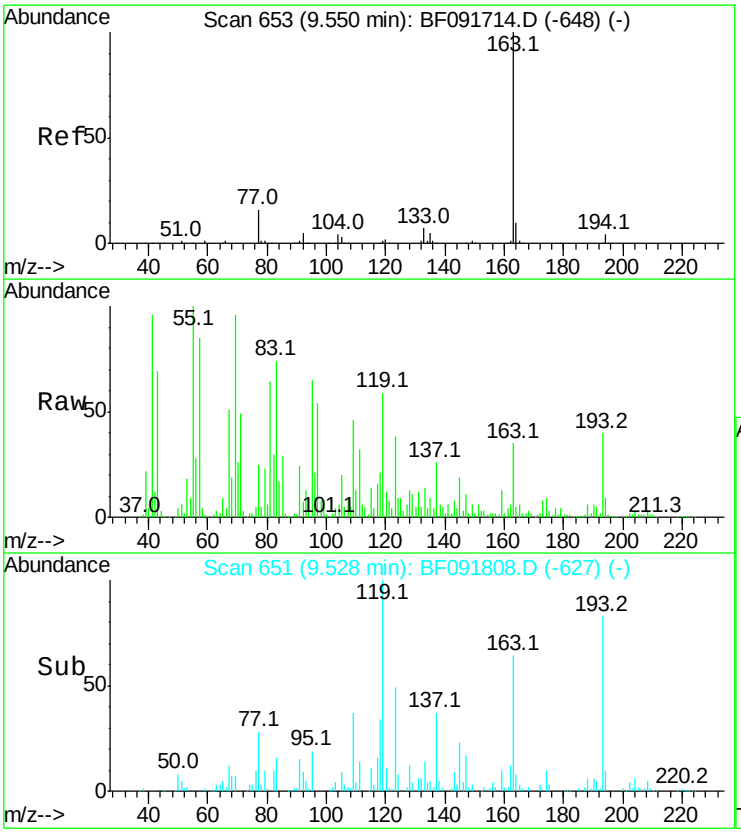
#44
2-Fluorobiphenyl
Concen: 64.25 ng
RT: 9.14 min Scan# 617
Delta R.T. 0.00 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16DL

Tgt Ion:172 Resp: 1044481

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.4	44.0
170	23.8	20.2	30.4

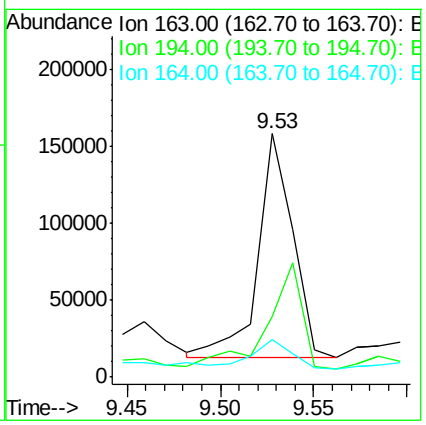


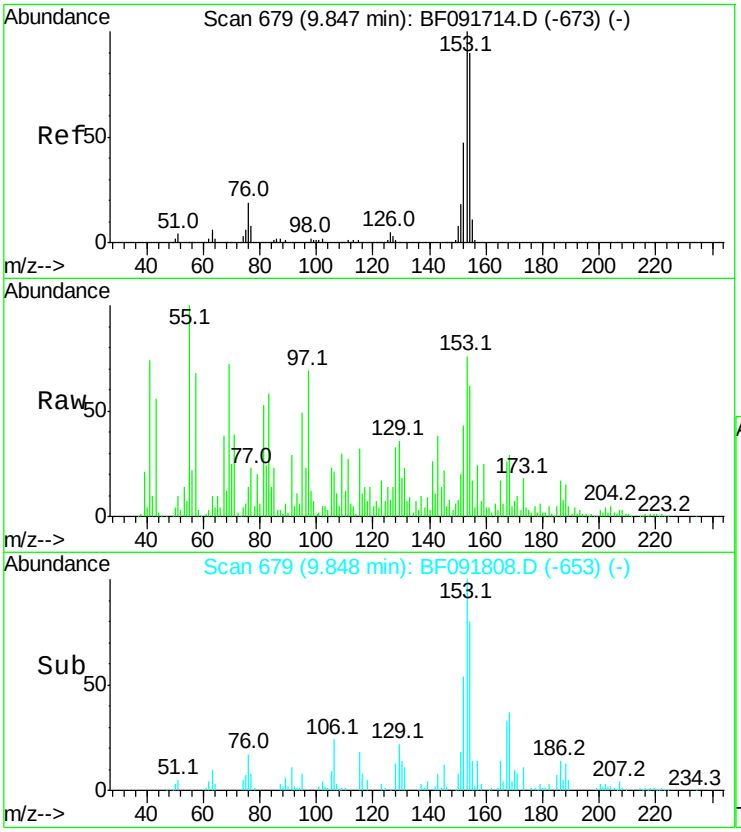


#49
Dimethylphthalate
Concen: 8.89 ng
RT: 9.53 min Scan# 651
Delta R.T. -0.02 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Tgt Ion:163 Resp: 189600

Ion	Ratio	Lower	Upper
163	100		
194	24.9	3.0	4.4#
164	15.5	8.0	12.0#



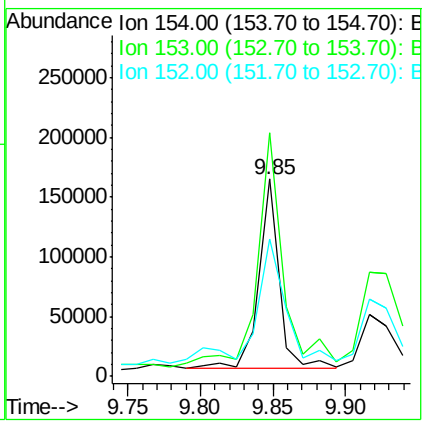


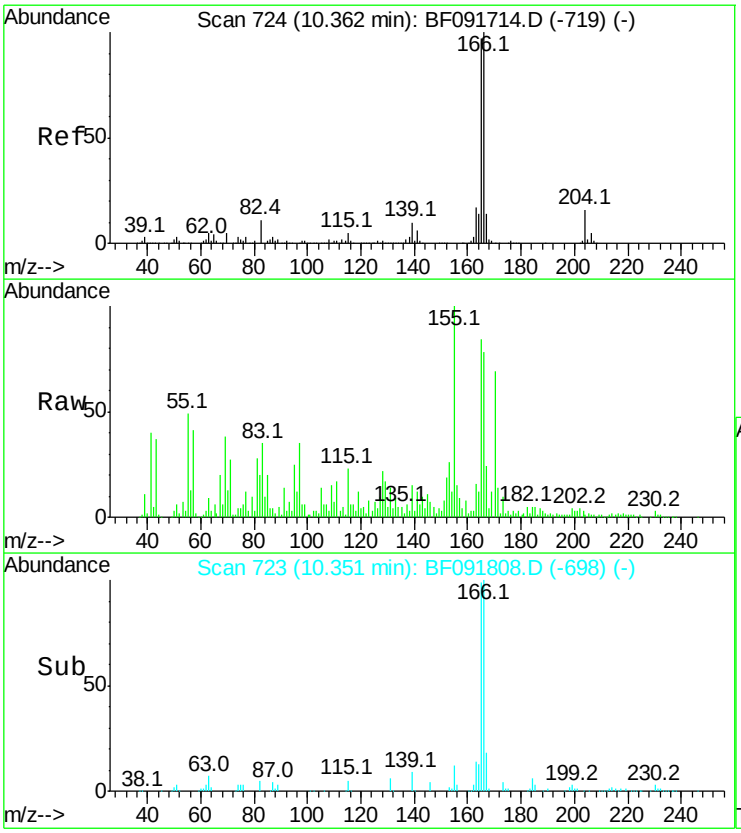
#51
Acenaphthene
Concen: 8.13 ng
RT: 9.85 min Scan# 679
Delta R.T. 0.00 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16DL

Tgt Ion:154 Resp: 151277

Ion	Ratio	Lower	Upper
154	100		
153	123.5	88.6	133.0
152	69.5	41.6	62.4#

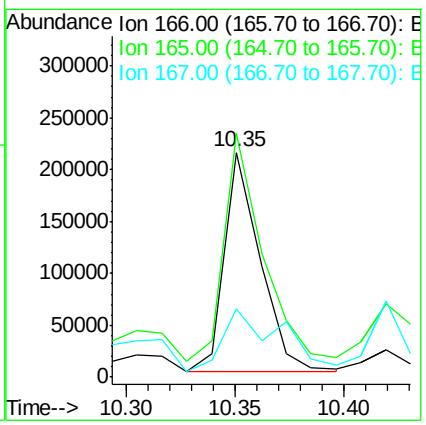


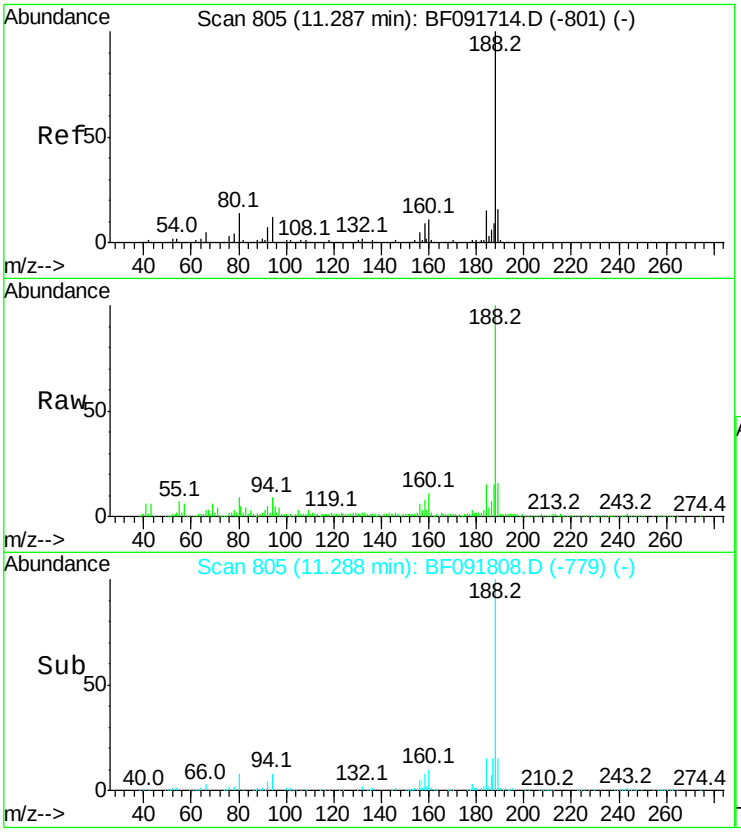


#57
Fluorene
Concen: 14.02 ng
RT: 10.35 min Scan# 723
Delta R.T. -0.01 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Tgt Ion:166 Resp: 240863

Ion	Ratio	Lower	Upper
166	100		
165	108.3	77.8	116.8
167	30.5	10.8	16.2#



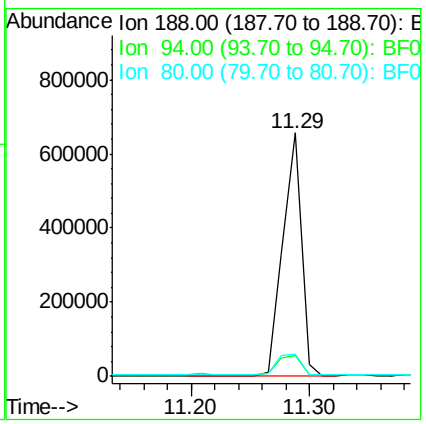


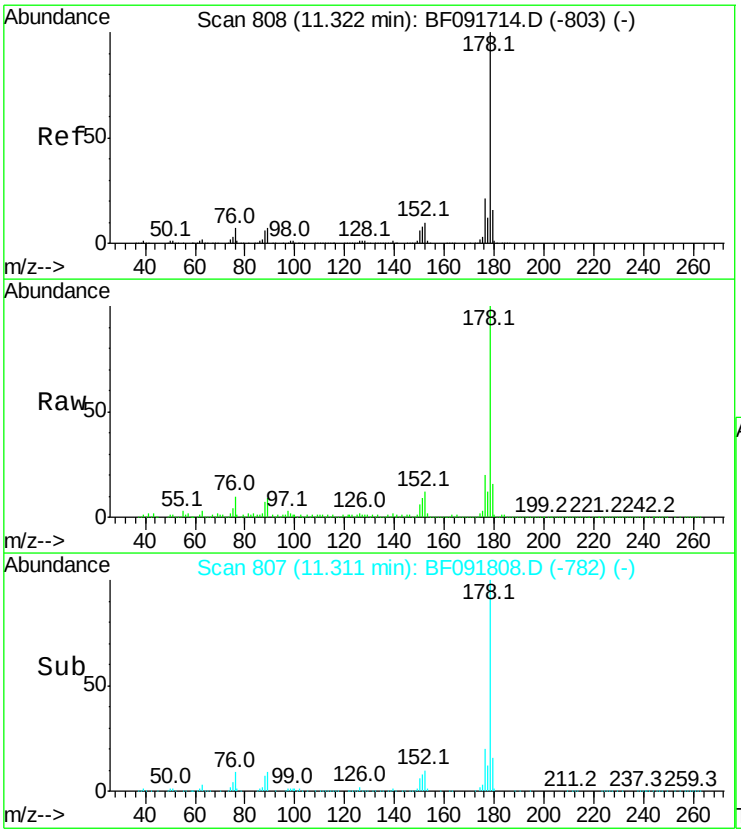
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16DL

Tgt Ion:188 Resp: 706023

Ion	Ratio	Lower	Upper
188	100		
94	8.6	10.0	15.0#
80	9.0	11.2	16.8#

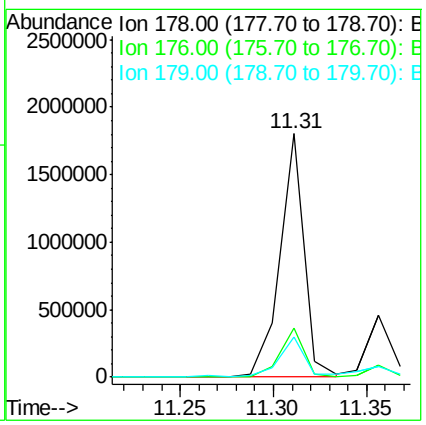


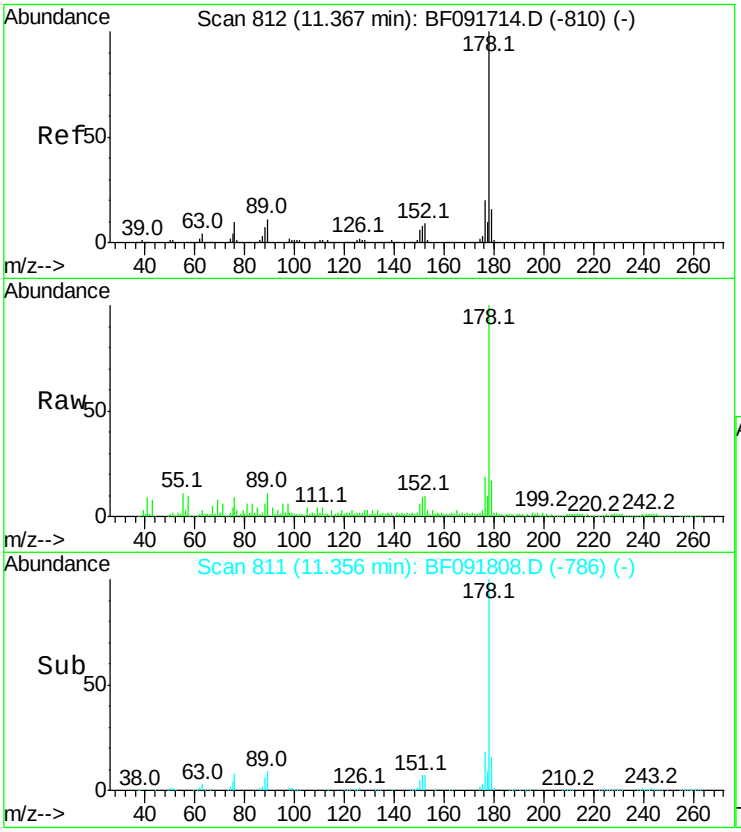


#70
Phenanthrene
Concen: 45.77 ng
RT: 11.31 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Tgt Ion:178 Resp: 1614680

Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.6	25.0
179	16.5	12.8	19.2



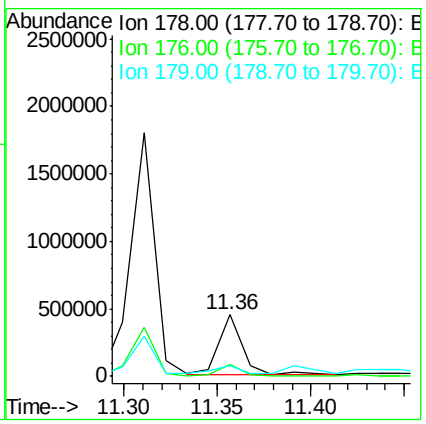


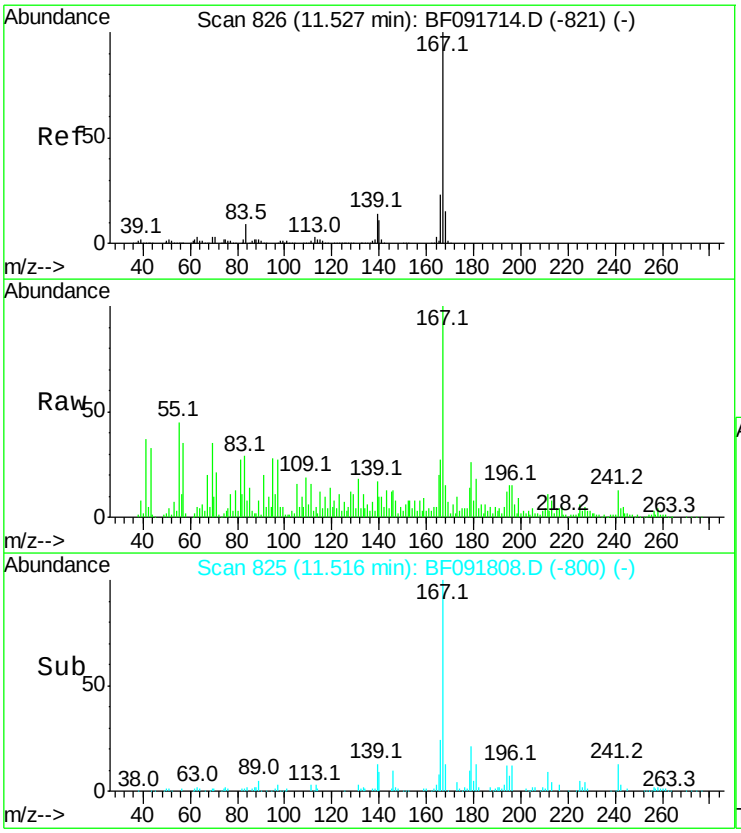
#71
Anthracene
Concen: 10.73 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16DL

Tgt Ion:178 Resp: 400807

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.9	23.9
179	16.9	13.2	19.8

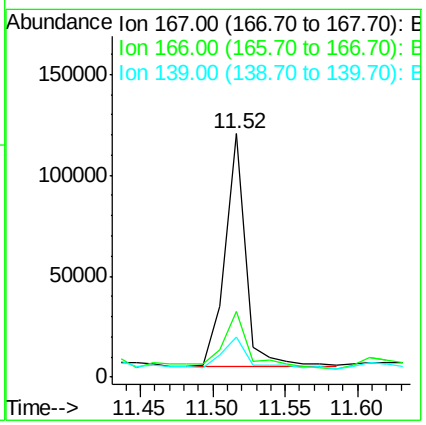


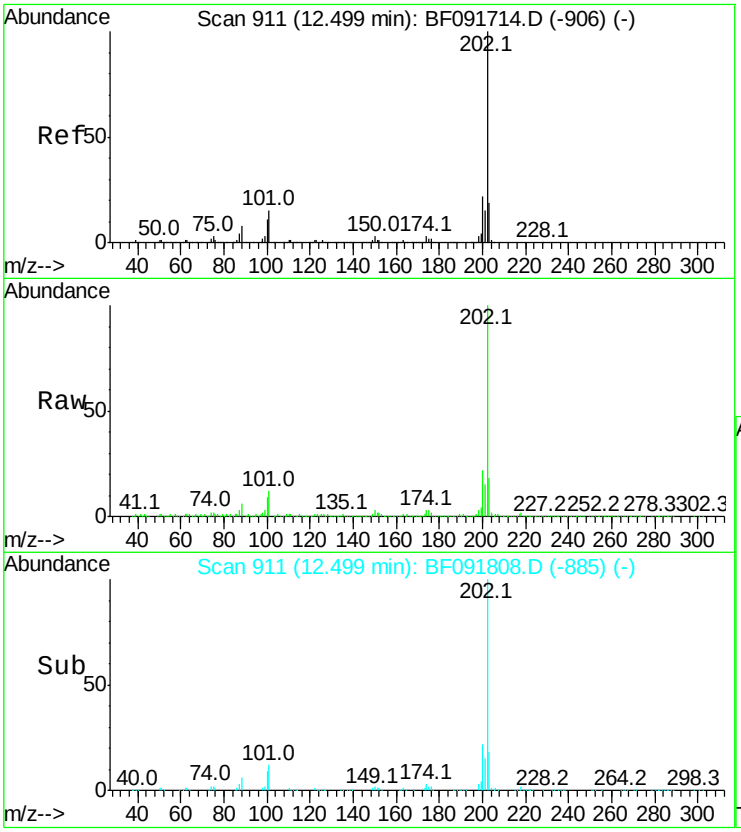


#72
Carbazole
Concen: 3.47 ng
RT: 11.52 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Tgt Ion:167 Resp: 113407

Ion	Ratio	Lower	Upper
167	100		
166	27.0	18.2	27.2
139	16.6	11.4	17.2



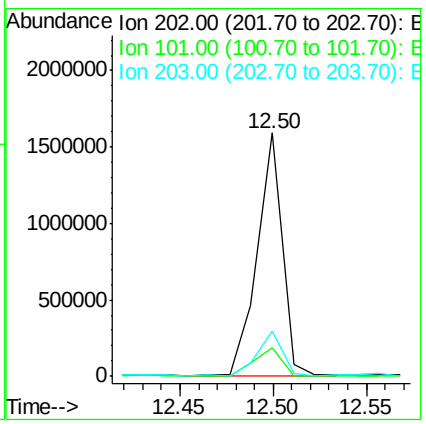


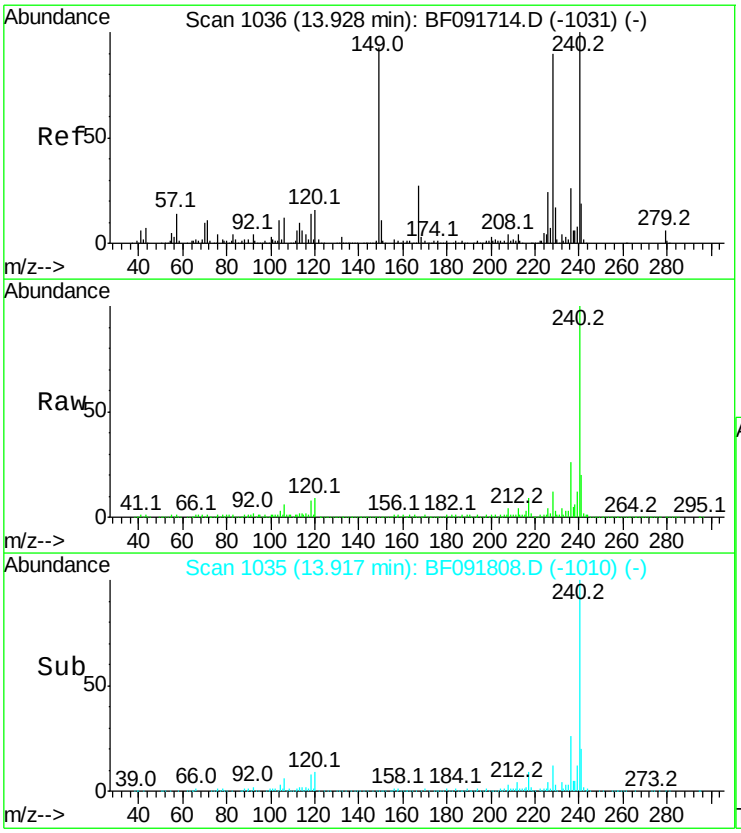
#74
Fluoranthene
Concen: 39.72 ng
RT: 12.50 min Scan# 911
Delta R.T. 0.00 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16DL

Tgt Ion:202 Resp: 1463390

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	34.6
203	18.5	0.0	38.7

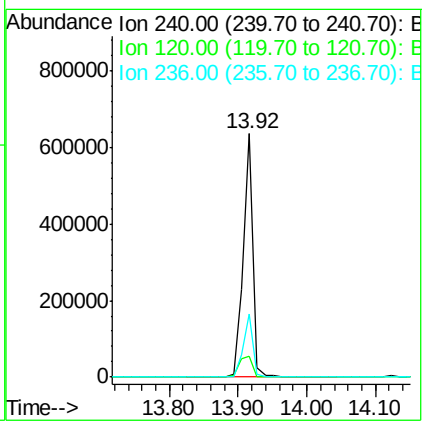


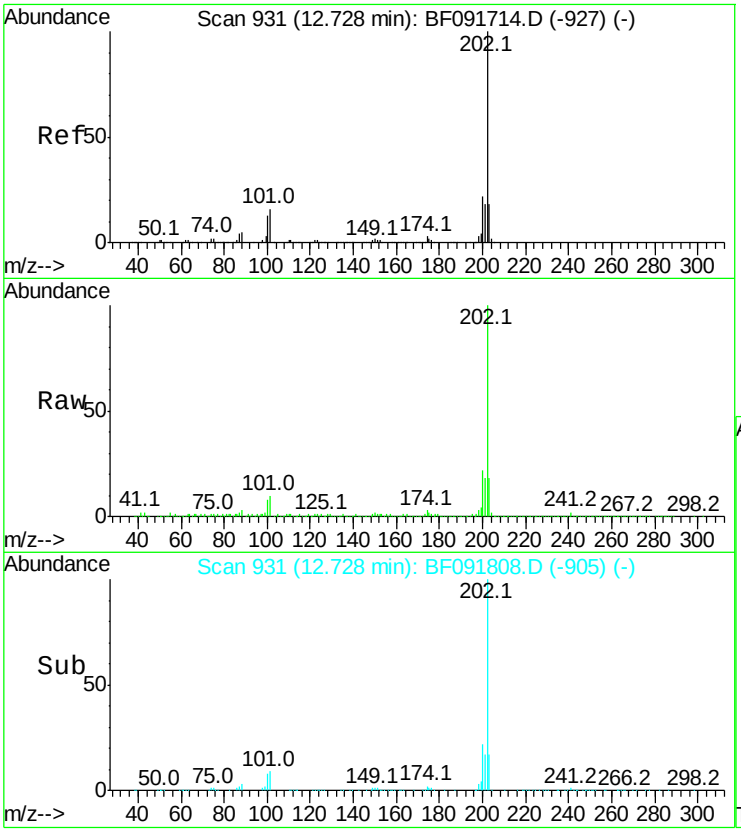


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.92 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Tgt Ion:240 Resp: 622944

Ion	Ratio	Lower	Upper
240	100		
120	8.8	12.9	19.3#
236	26.0	20.9	31.3



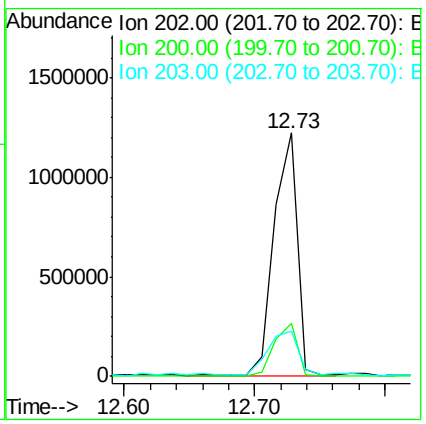


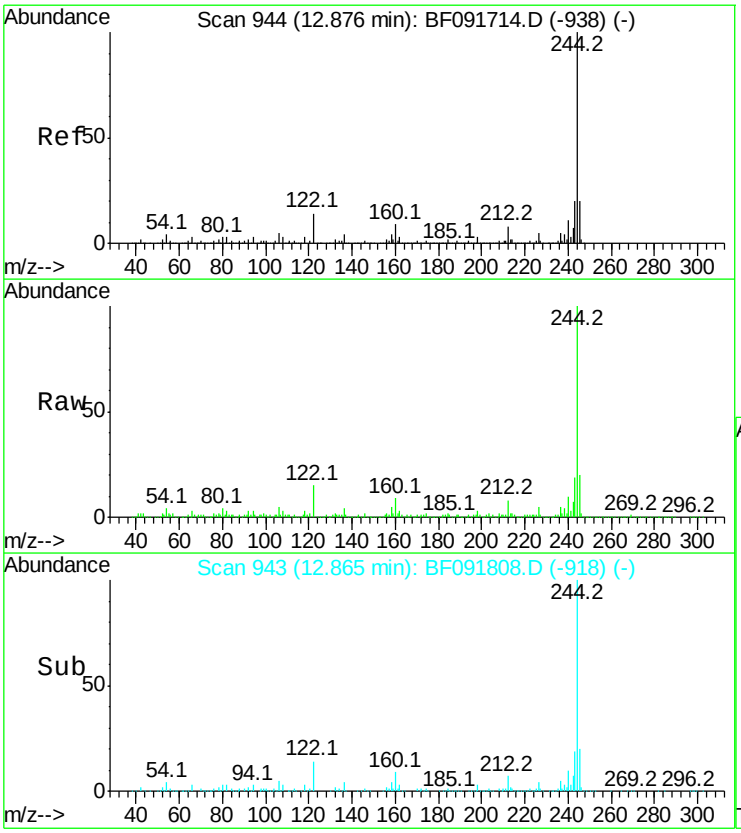
#77
Pyrene
Concen: 34.04 ng
RT: 12.73 min Scan# 931
Delta R.T. 0.00 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16DL

Tgt Ion:202 Resp: 1531345

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.7	26.5
203	18.4	14.7	22.1

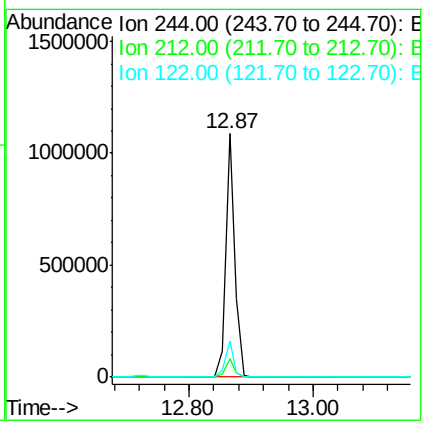


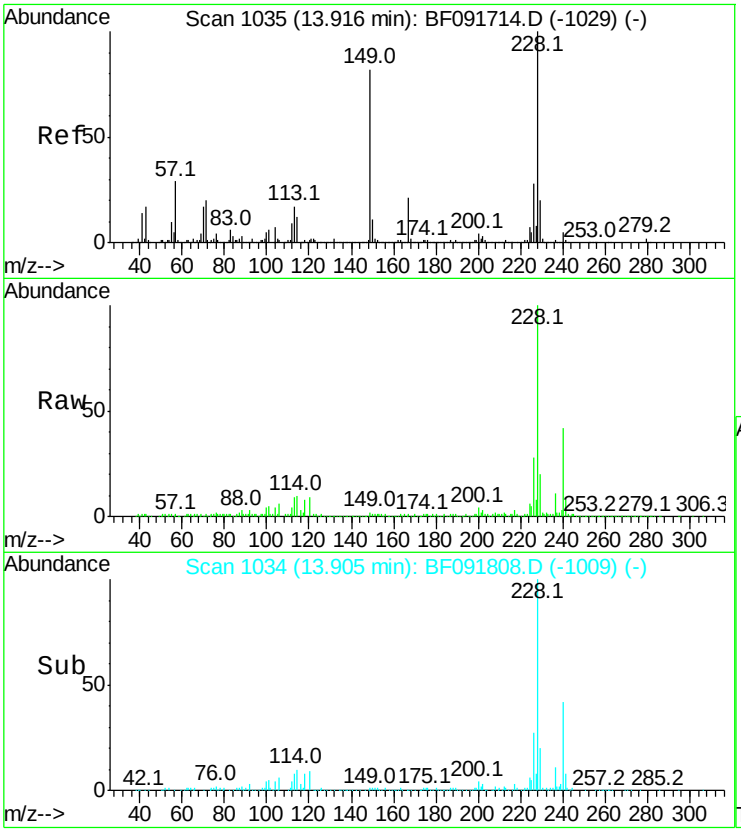


#78
Terphenyl-d14
Concen: 43.66 ng
RT: 12.87 min Scan# 943
Delta R.T. -0.01 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Tgt Ion:244 Resp: 1077152

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.2
122	14.6	11.4	17.2



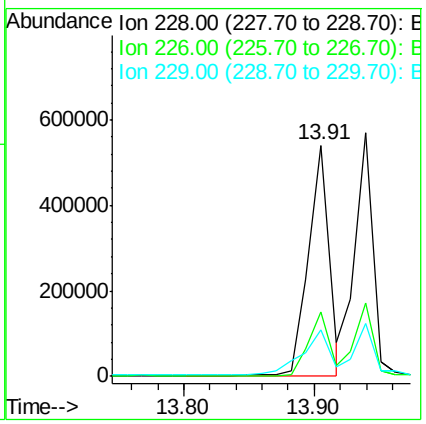


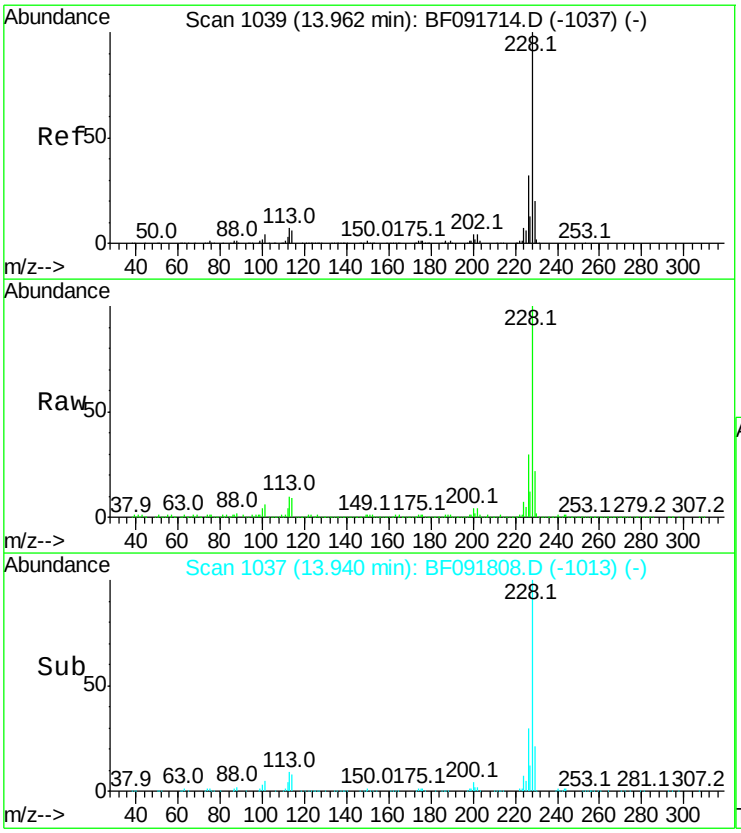
#80
Benzo(a)anthracene
Concen: 16.62 ng
RT: 13.91 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16DL

Tgt Ion:228 Resp: 592133

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.4	33.6
229	20.2	16.2	24.4

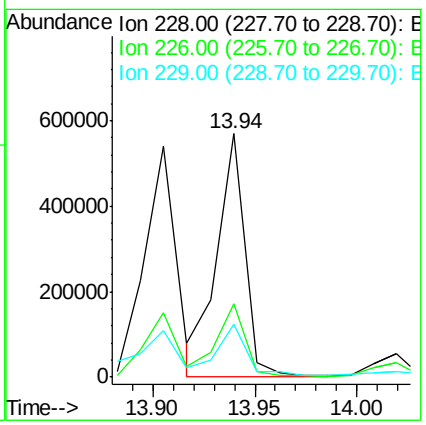


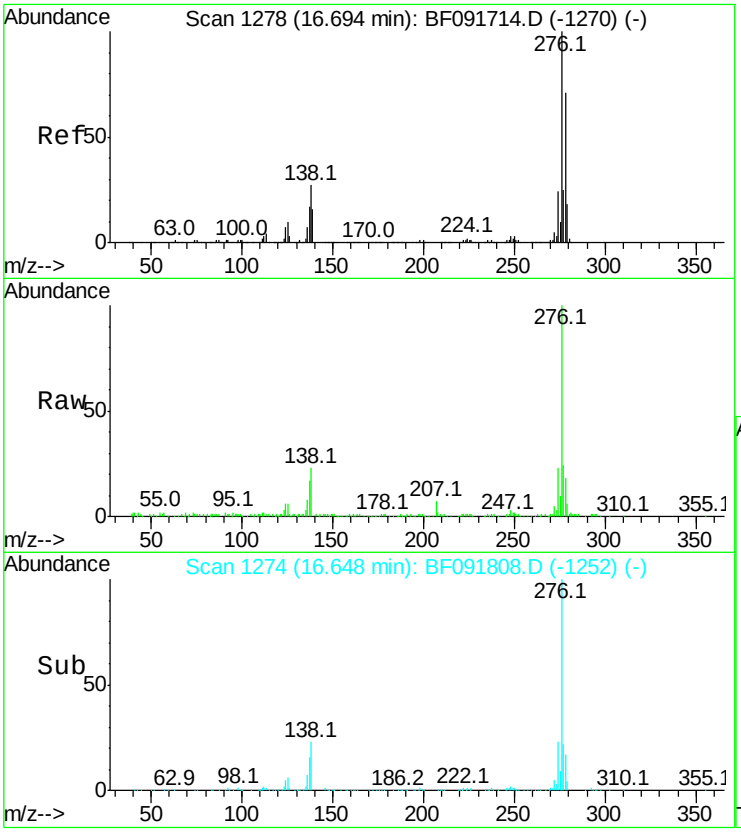


#82
Chrysene
Concen: 14.86 ng m
RT: 13.94 min Scan# 1037
Delta R.T. -0.02 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Tgt Ion:228 Resp: 548974

Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.4	38.0
229	21.8	16.2	24.2



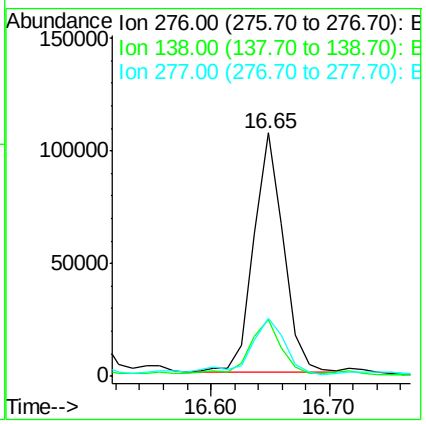


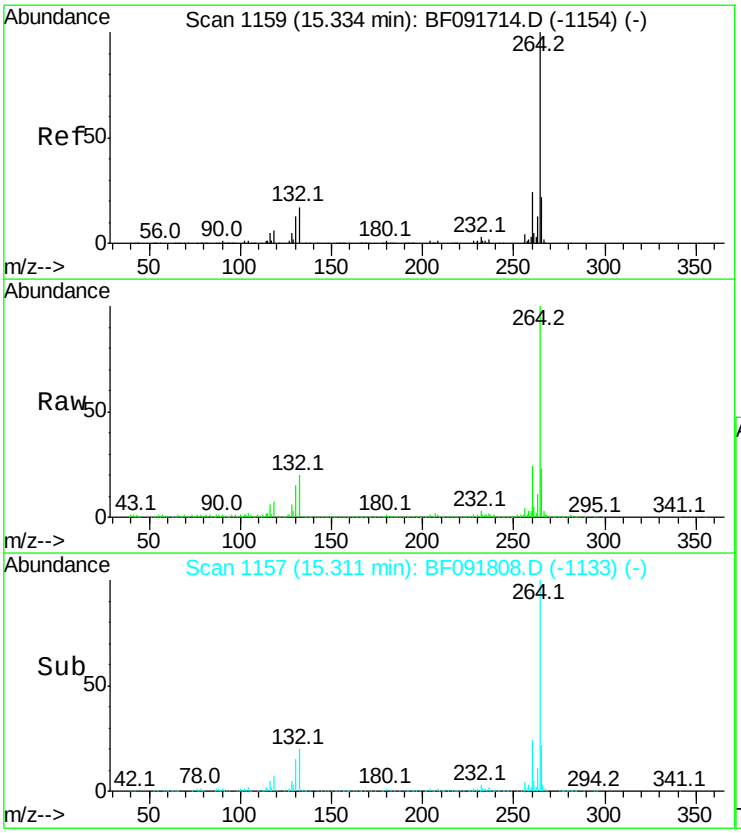
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.14 ng
RT: 16.65 min Scan# 1274
Delta R.T. -0.05 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16DL

Tgt Ion:276 Resp: 186716

Ion	Ratio	Lower	Upper
276	100		
138	25.1	21.8	32.6
277	30.2	20.2	30.4

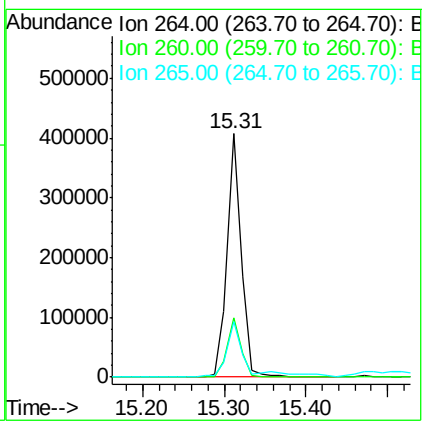


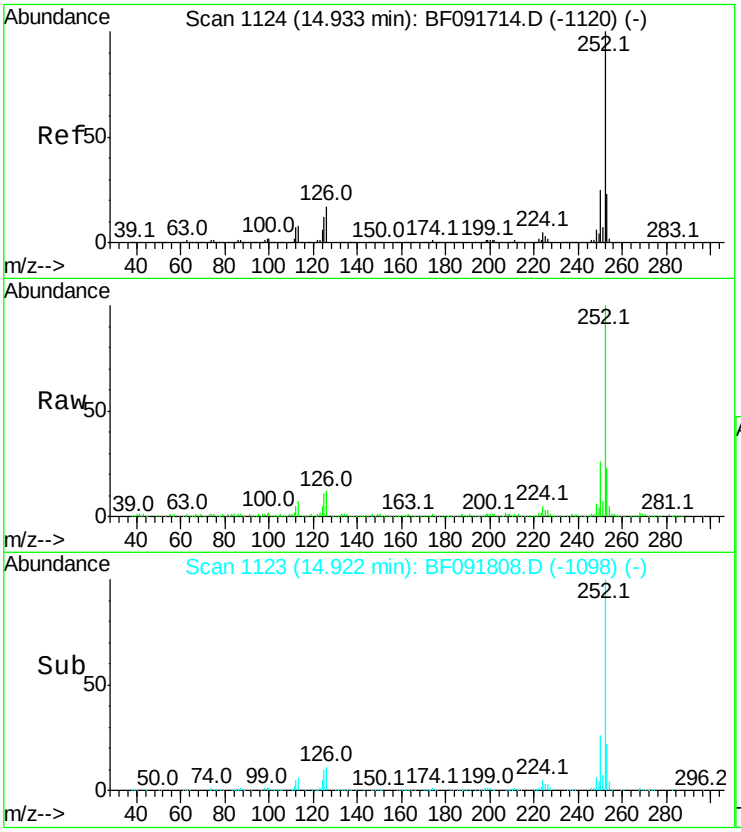


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.31 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Tgt Ion:264 Resp: 489911

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.6	17.4	26.0



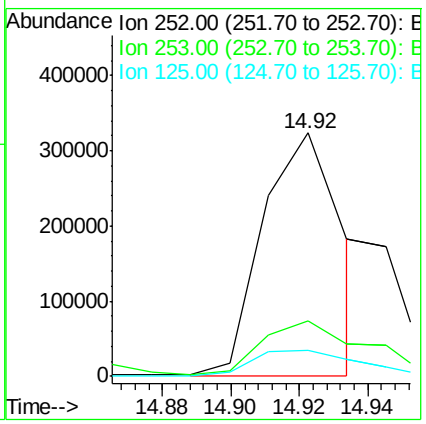


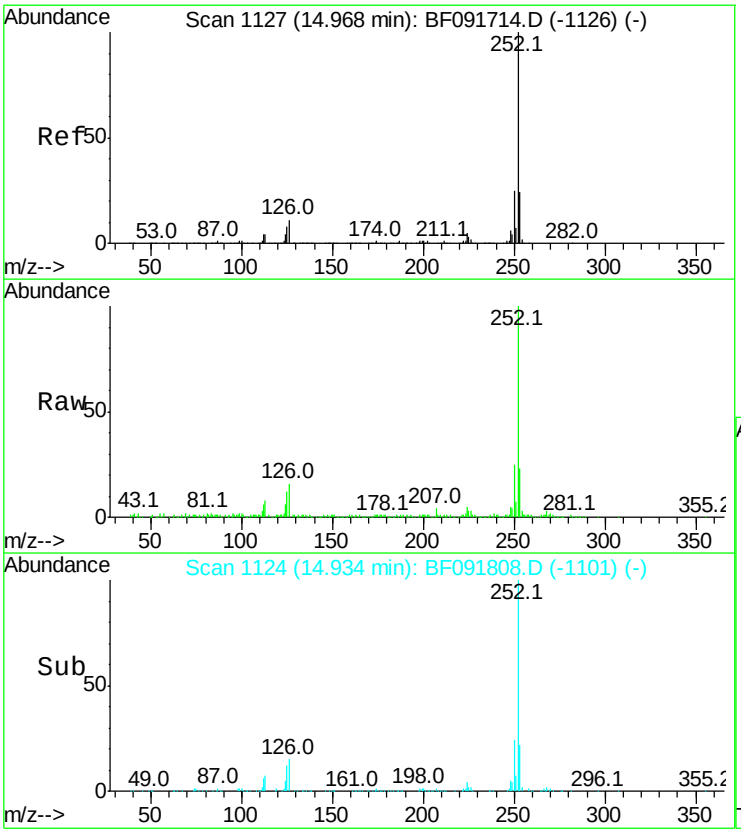
#87
Benzo(b)fluoranthene
Concen: 16.91 ng m
RT: 14.92 min Scan# 1123
Delta R.T. -0.01 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16DL

Tgt Ion:252 Resp: 525235

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.4
125	10.9	9.8	14.6

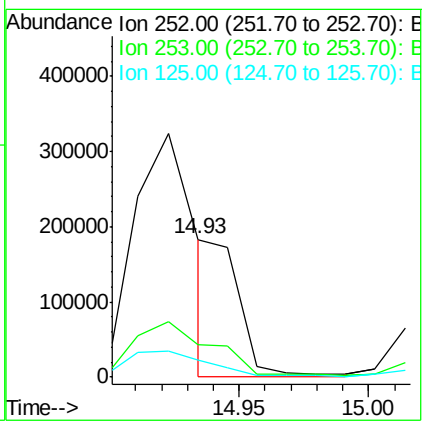


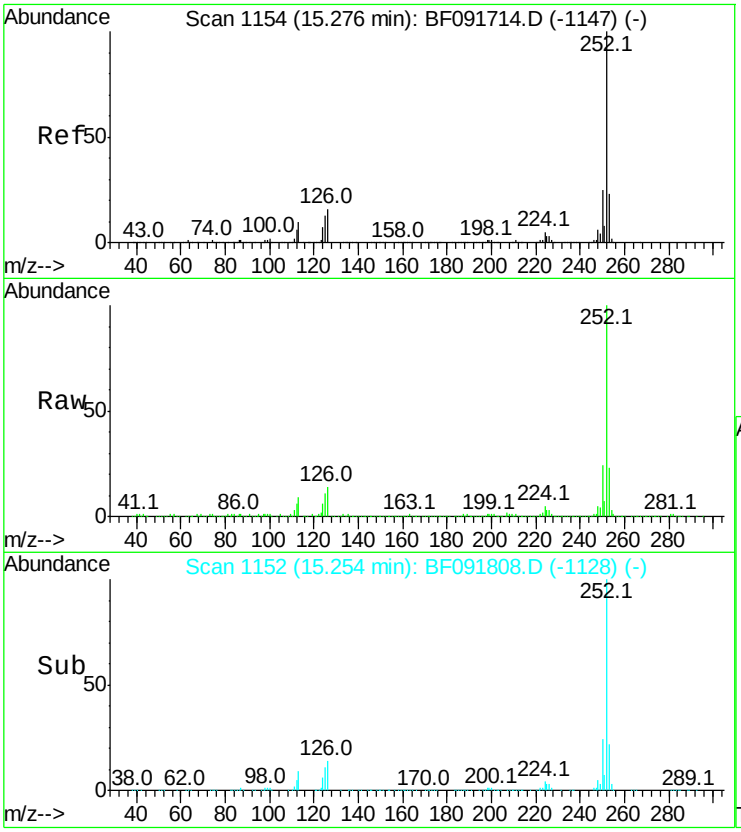


#88
Benzo(k)fluoranthene
Concen: 6.29 ng m
RT: 14.93 min Scan# 1124
Delta R.T. -0.03 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Tgt Ion:252 Resp: 137017

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.5	27.7
125	12.5	8.9	13.3



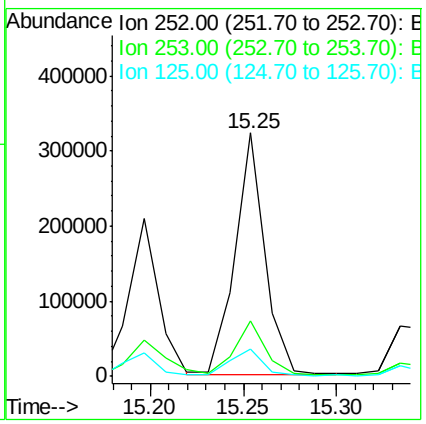


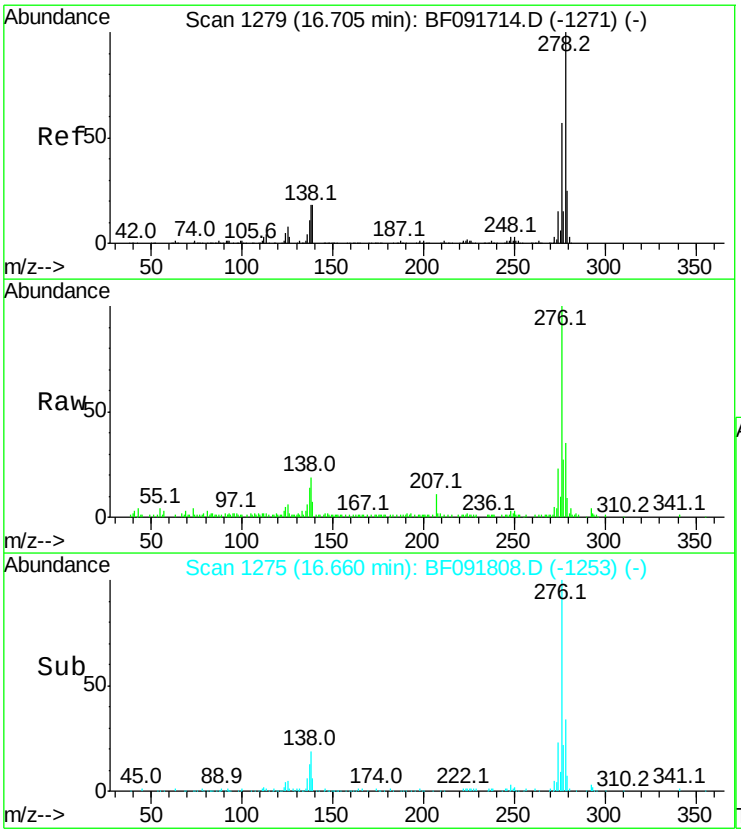
#89
Benzo(a)pyrene
Concen: 13.61 ng
RT: 15.25 min Scan# 1152
Delta R.T. -0.02 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16DL

Tgt Ion:252 Resp: 362999

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	11.3	10.0	15.0

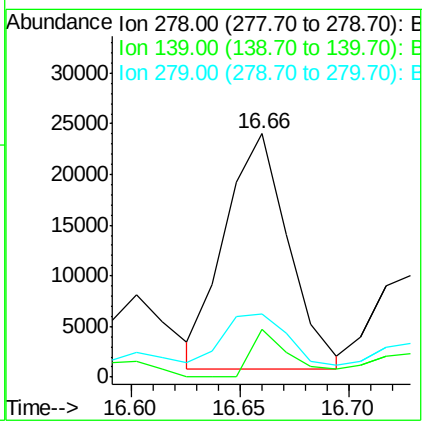


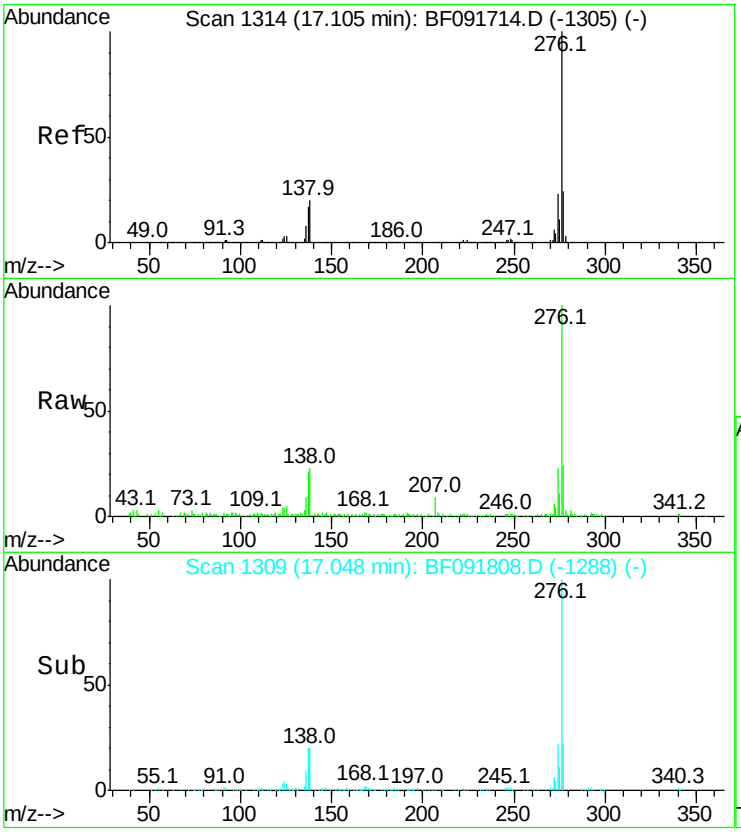


#90
Dibenzo(a,h)anthracene
Concen: 2.04 ng
RT: 16.66 min Scan# 1275
Delta R.T. -0.05 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Tgt Ion:278 Resp: 47312

Ion	Ratio	Lower	Upper
278	100		
139	19.9	14.8	22.2
279	26.2	19.8	29.6





#91
Benzo(g,h,i)perylene
Concen: 7.95 ng
RT: 17.05 min Scan# 1309
Delta R.T. -0.06 min
Lab File: BF091808.D
Acq: 20 Dec 2016 9:47

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16DL

Tgt Ion:276 Resp: 187757

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.2	28.8
138	23.0	16.0	24.0