Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092116\
Data File : BF090172.D
Acq On : 21 Sep 2016 21:15
Operator : UM/SJ
Sample : H4856-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-4-0.5-4FT

Quant Time: Sep 22 07:32:02 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 20 17:58:29 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	151314	20.00	ng		-0.02
21) Naphthalene-d8	7.79	136	541453	20.00	ng		-0.02
38) Acenaphthene-d10	9.53	164	264323	20.00	ng		-0.02
63) Phenanthrene-d10	11.01	188	477414	20.00	ng		-0.02
75) Chrysene-d12	13.61	240	299141	20.00	ng		-0.02
86) Perylene-d12	14.94	264	305058	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.07	112	1031899	111.16	ng		0.00
7) Phenol-d6	6.16	99	1275152	111.23	ng		-0.01
23) Nitrobenzene-d5	7.07	82	639063	68.42	ng		-0.02
41) 2,4,6-Tribromophenol	10.32	330	259945	114.63	ng		-0.02
44) 2-Fluorobiphenyl	8.88	172	1073349	79.72	ng		-0.01
78) Terphenyl-d14	12.58	244	788008	66.88	ng		-0.02
Target Compounds							Qvalue
49) Dimethylphthalate	9.28	163	435632	25.88	ng		99
57) Fluorene	10.08	166	31260	2.34	ng		98
70) Phenanthrene	11.03	178	452235	20.25	ng		99
71) Anthracene	11.07	178	132687	5.67	ng		99
74) Fluoranthene	12.21	202	608957	25.41	ng		98
77) Pyrene	12.42	202	554416	27.08	ng		96
80) Benzo(a)anthracene	13.60	228	266322	16.55	ng		94
82) Chrysene	13.63	228	202108m	12.89	ng		
85) Indeno(1,2,3-cd)pyrene	16.09	276	145478	11.48	ng	#	90
87) Benzo(b)fluoranthene	14.59	252	270065m	15.99	ng		
88) Benzo(k)fluoranthene	14.61	252	118201m	7.46	ng		
89) Benzo(a)pyrene	14.89	252	222505	14.00	ng		99
90) Dibenzo(a,h)anthracene	16.10	278	29760m	2.40	ng		
91) Benzo(g,h,i)perylene	16.43	276	134395	11.07	ng		96

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

Quantitation Report (LSC Reviewed)

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Acq On : 21 Sep 2016 21:15
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Misc :
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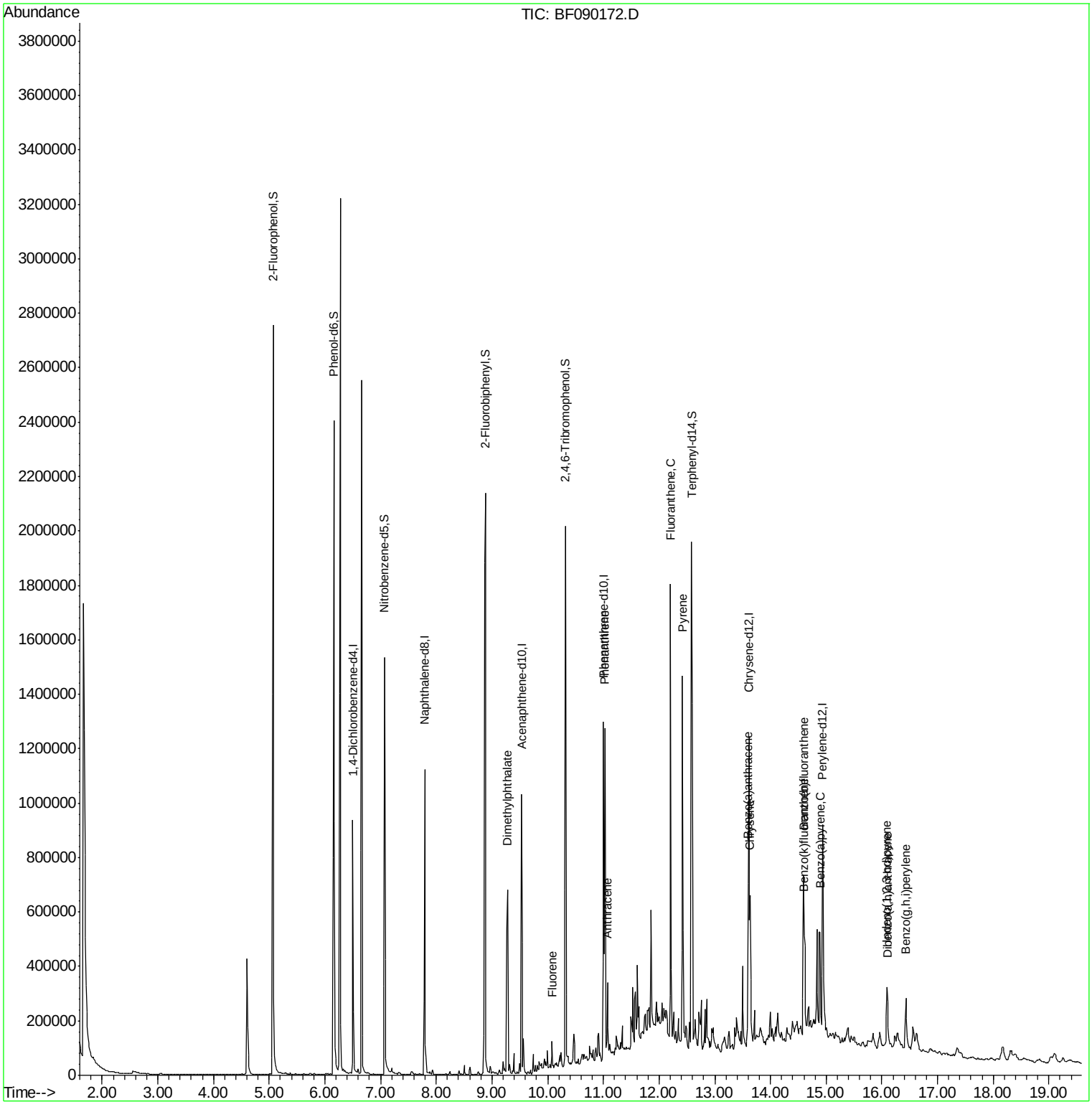
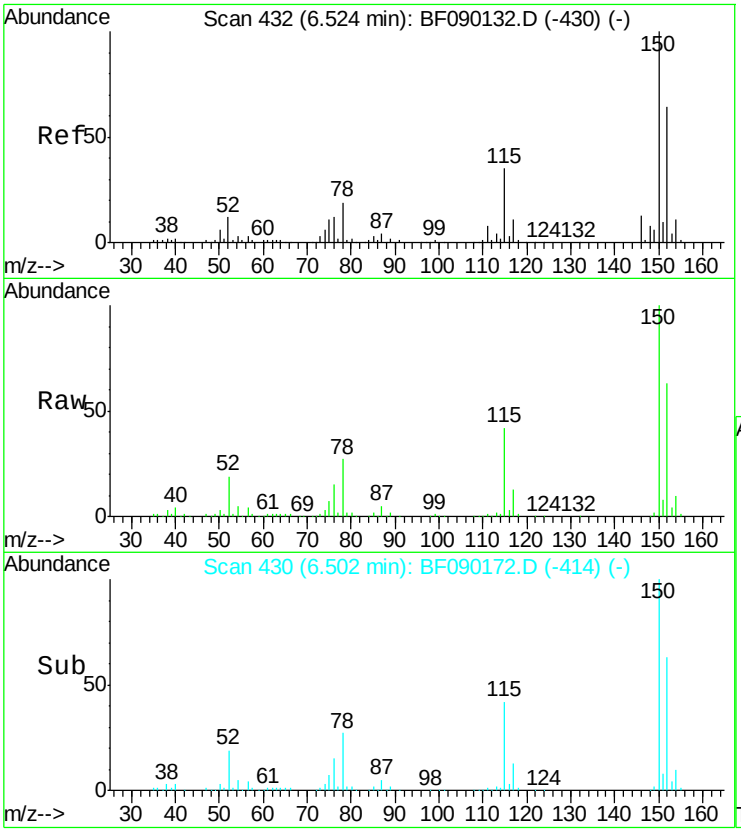
Instrument :
BNA_F
ClientSampleId :
BH-4-0.5-4FT

Quant Time: Sep 22 07:32:02 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 20 17:58:29 2016
Response via : Initial Calibration



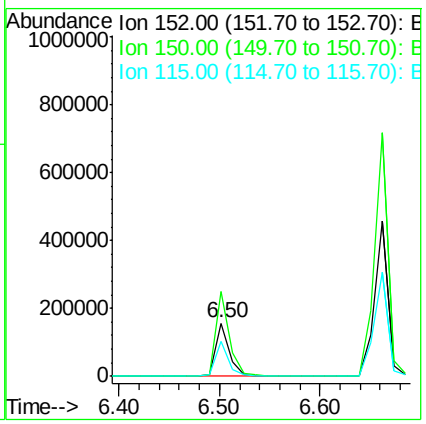


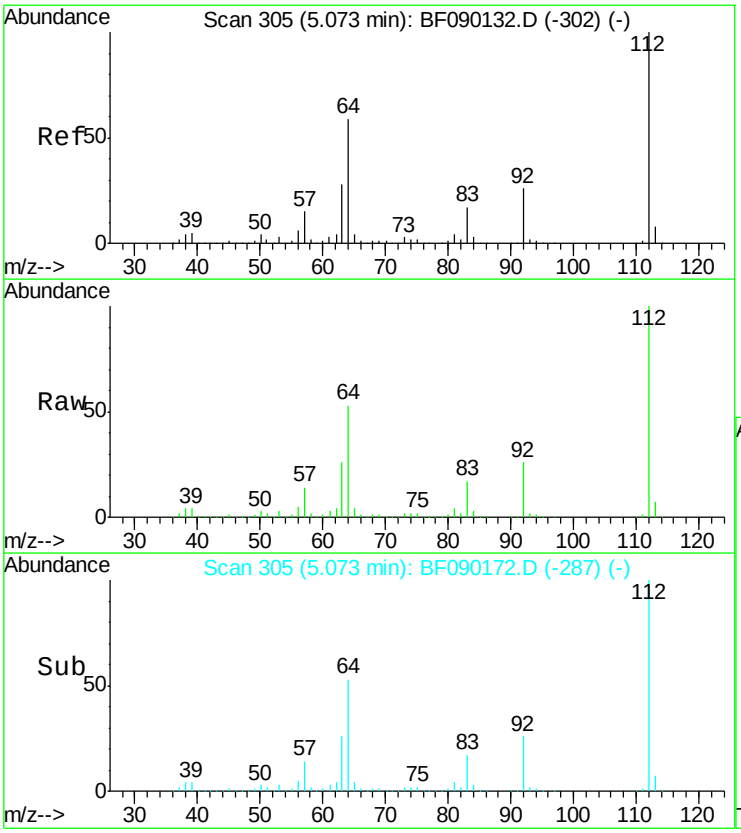
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.50 min Scan# 430
Delta R.T. -0.02 min
Lab File: BF090172.D
Acq: 21 Sep 2016 21:15

Instrument :
BNA_F
ClientSampleId :
BH-4-0.5-4FT

Tgt Ion:152 Resp: 151314

Ion	Ratio	Lower	Upper
152	100		
150	158.9	128.9	193.3
115	66.3	55.5	83.3

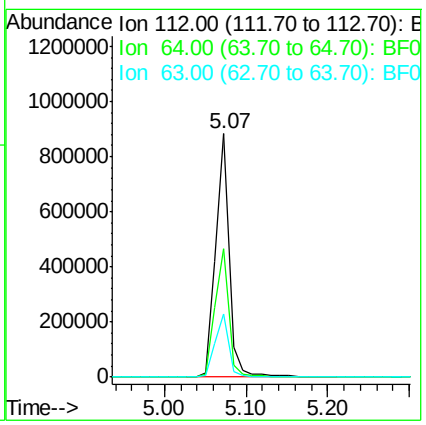


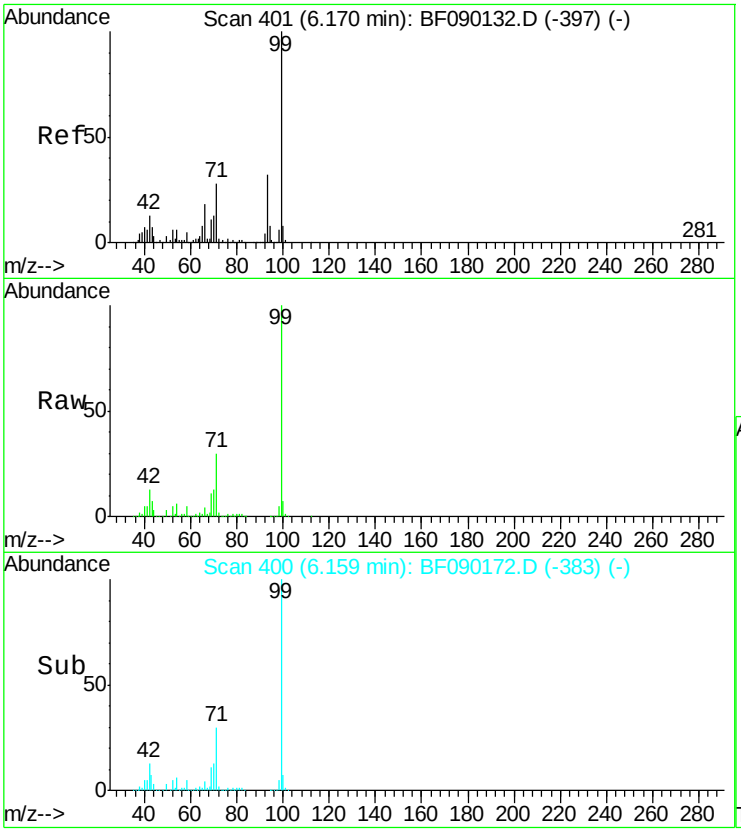


#5
2-Fluorophenol
Concen: 111.16 ng
RT: 5.07 min Scan# 305
Delta R.T. 0.00 min
Lab File: BF090172.D
Acq: 21 Sep 2016 21:15

Tgt Ion:112 Resp: 1031899

Ion	Ratio	Lower	Upper
112	100		
64	52.7	39.8	59.6
63	26.0	18.9	28.3



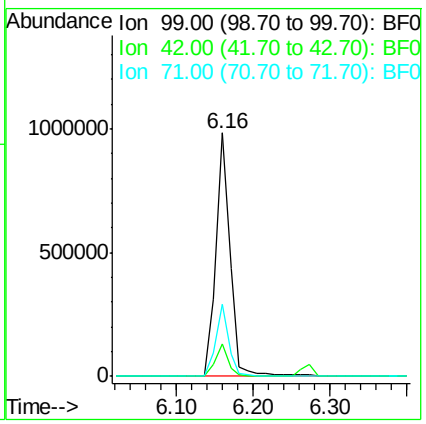


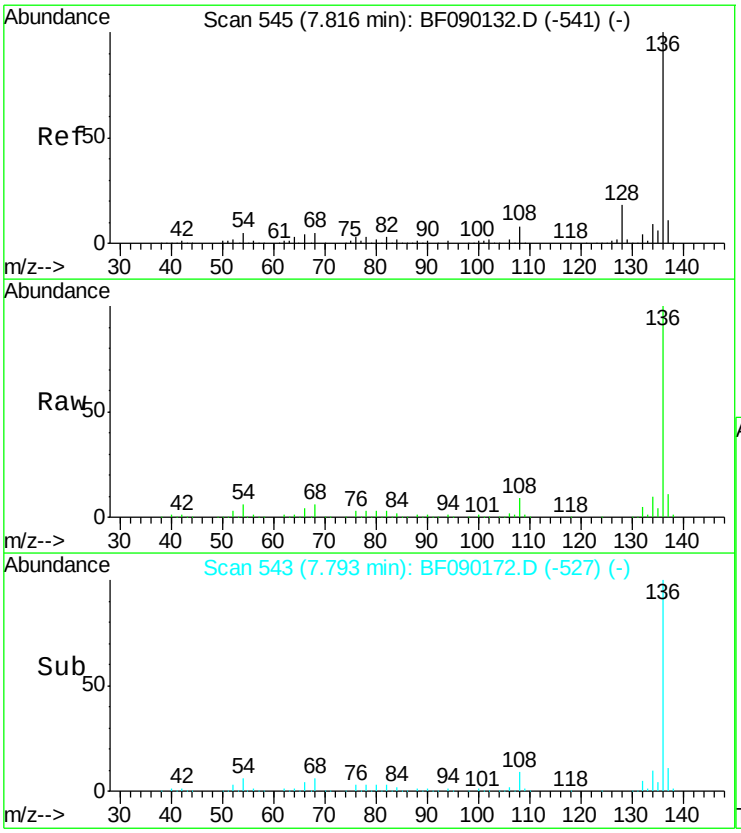
#7
Phenol-d6
Concen: 111.23 ng
RT: 6.16 min Scan# 400
Delta R.T. -0.01 min
Lab File: BF090172.D
Acq: 21 Sep 2016 21:15

Instrument :
BNA_F
ClientSampleId :
BH-4-0.5-4FT

Tgt Ion: 99 Resp: 1275152

Ion	Ratio	Lower	Upper
99	100		
42	13.3	10.6	15.8
71	29.8	23.0	34.6

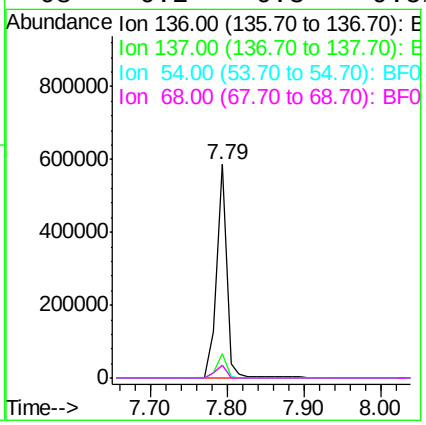


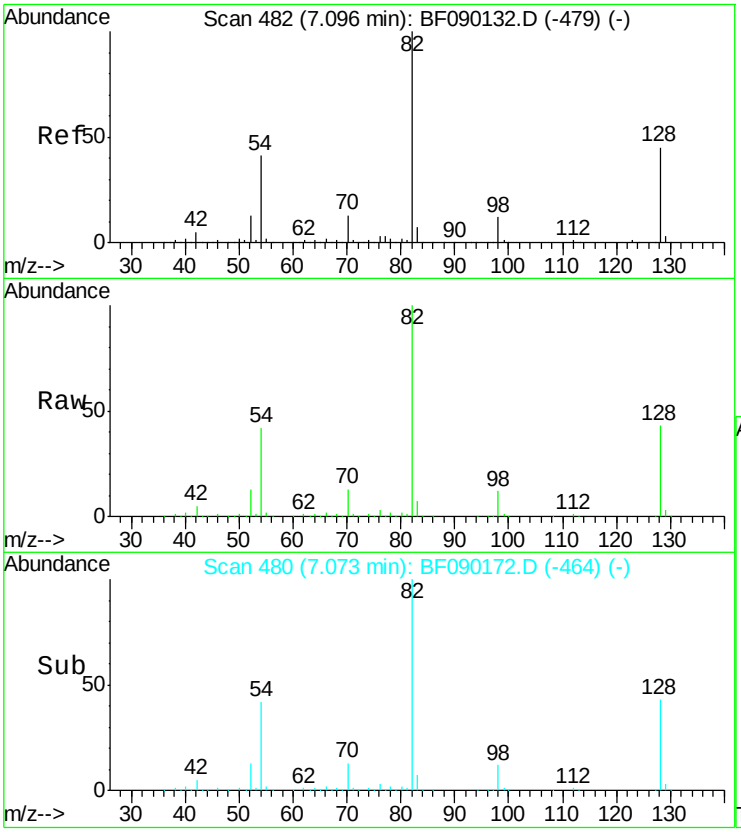


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.79 min Scan# 543
Delta R.T. -0.02 min
Lab File: BF090172.D
Acq: 21 Sep 2016 21:15

Tgt Ion:136 Resp: 541453

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	6.3	6.4	9.6#
68	6.2	6.3	9.5#



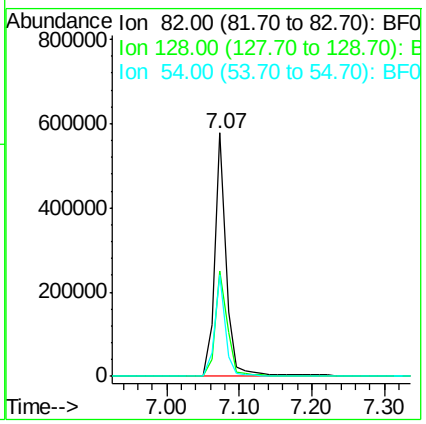


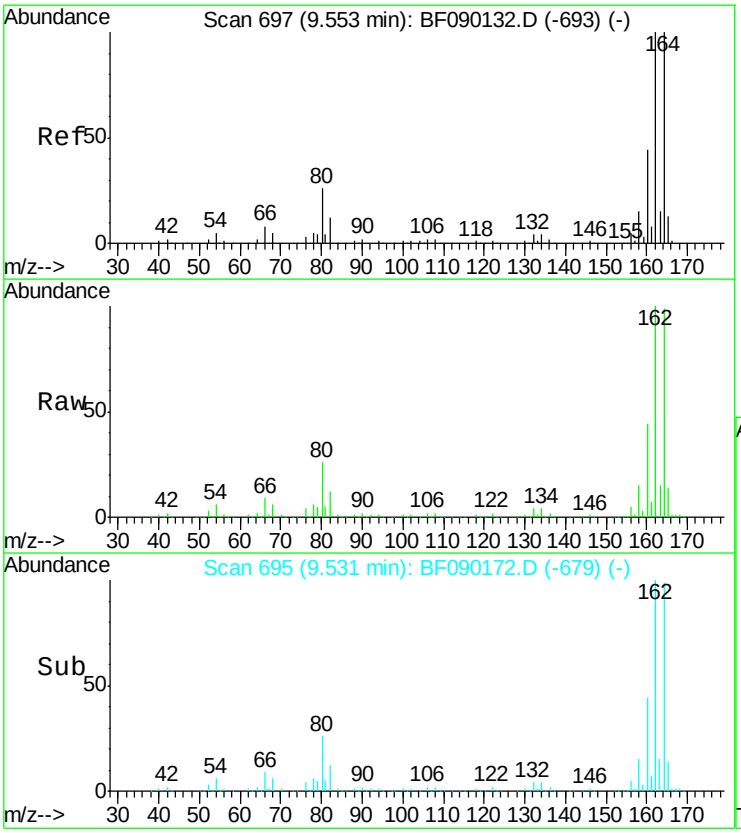
#23
Nitrobenzene-d5
Concen: 68.42 ng
RT: 7.07 min Scan# 480
Delta R.T. -0.02 min
Lab File: BF090172.D
Acq: 21 Sep 2016 21:15

Instrument :
BNA_F
ClientSampleId :
BH-4-0.5-4FT

Tgt Ion: 82 Resp: 639063

Ion	Ratio	Lower	Upper
82	100		
128	43.5	37.5	56.3
54	41.6	31.9	47.9

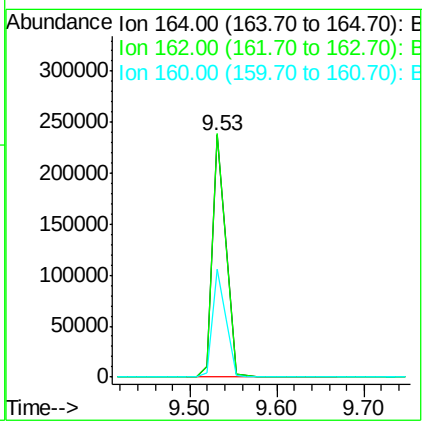


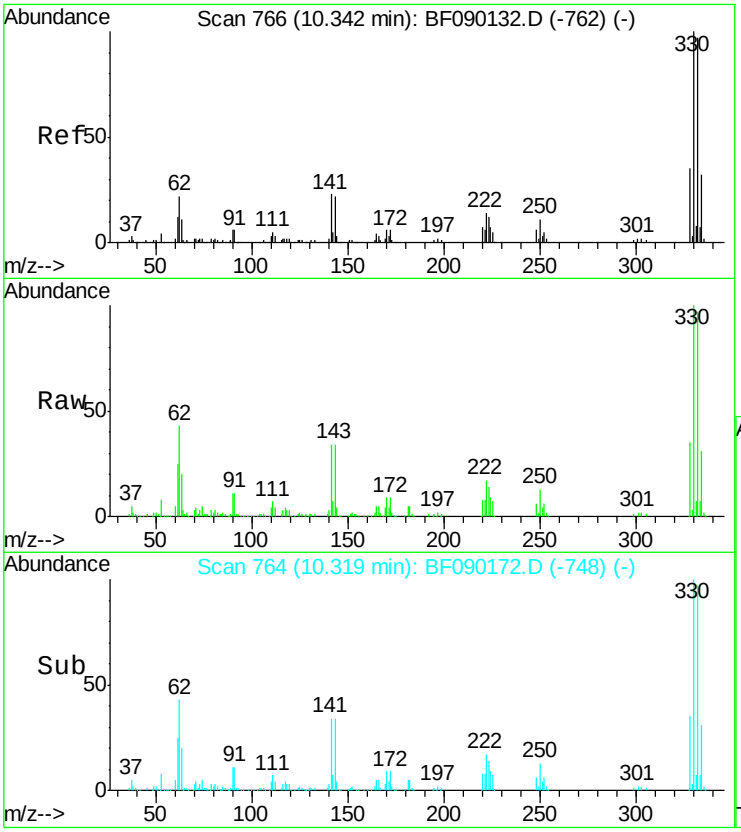


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.53 min Scan# 695
Delta R.T. -0.02 min
Lab File: BF090172.D
Acq: 21 Sep 2016 21:15

Tgt Ion:164 Resp: 264323

Ion	Ratio	Lower	Upper
164	100		
162	100.5	81.4	122.2
160	44.3	36.6	54.8



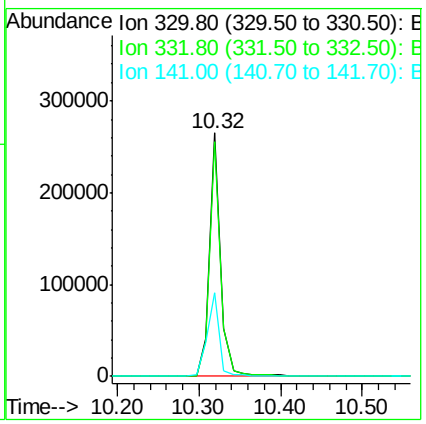


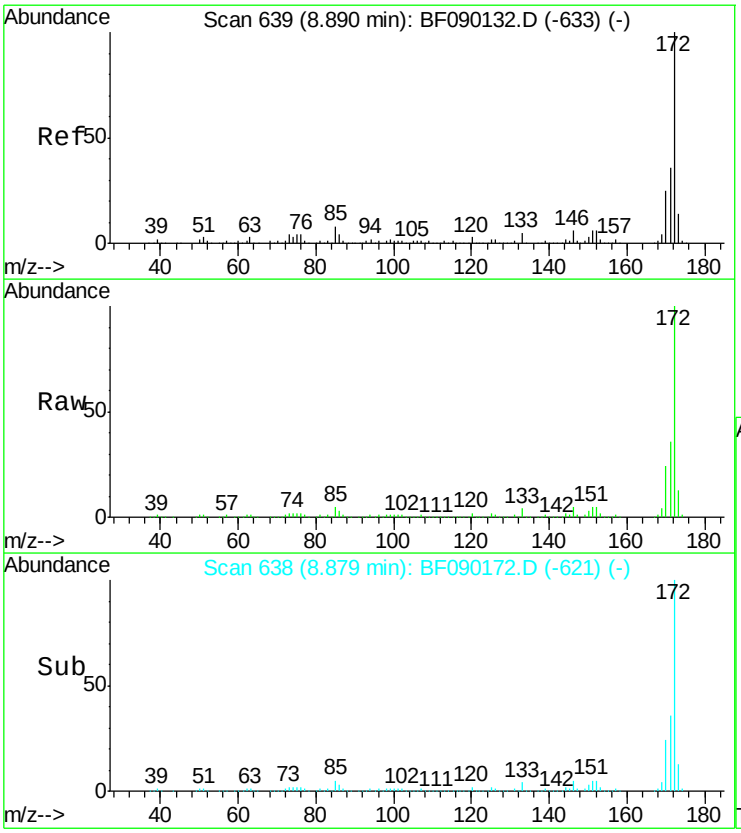
#41
2,4,6-Tribromophenol
Concen: 114.63 ng
RT: 10.32 min Scan# 764
Delta R.T. -0.02 min
Lab File: BF090172.D
Acq: 21 Sep 2016 21:15

Instrument :
BNA_F
ClientSampleId :
BH-4-0.5-4FT

Tgt Ion:330 Resp: 259945

Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.1	117.1
141	37.7	23.9	35.9#

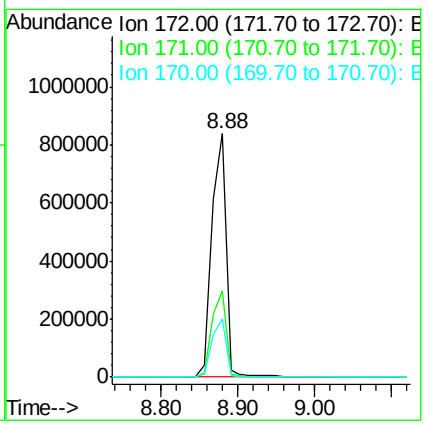


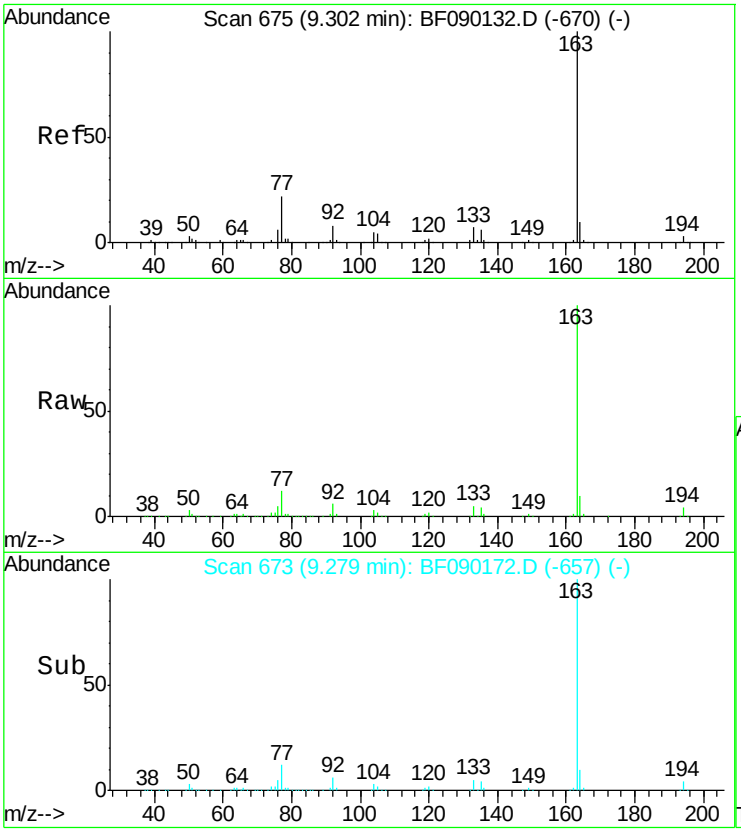


#44
2-Fluorobiphenyl
Concen: 79.72 ng
RT: 8.88 min Scan# 638
Delta R.T. -0.01 min
Lab File: BF090172.D
Acq: 21 Sep 2016 21:15

Tgt Ion:172 Resp: 1073349

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.2	43.8
170	23.9	19.8	29.8



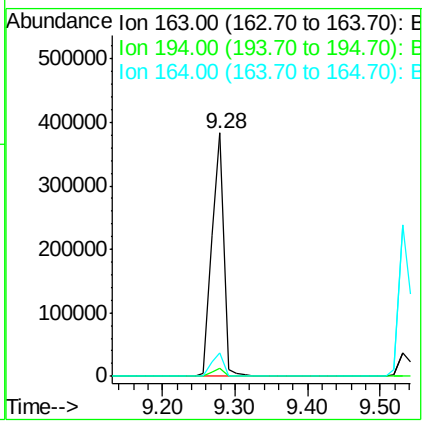


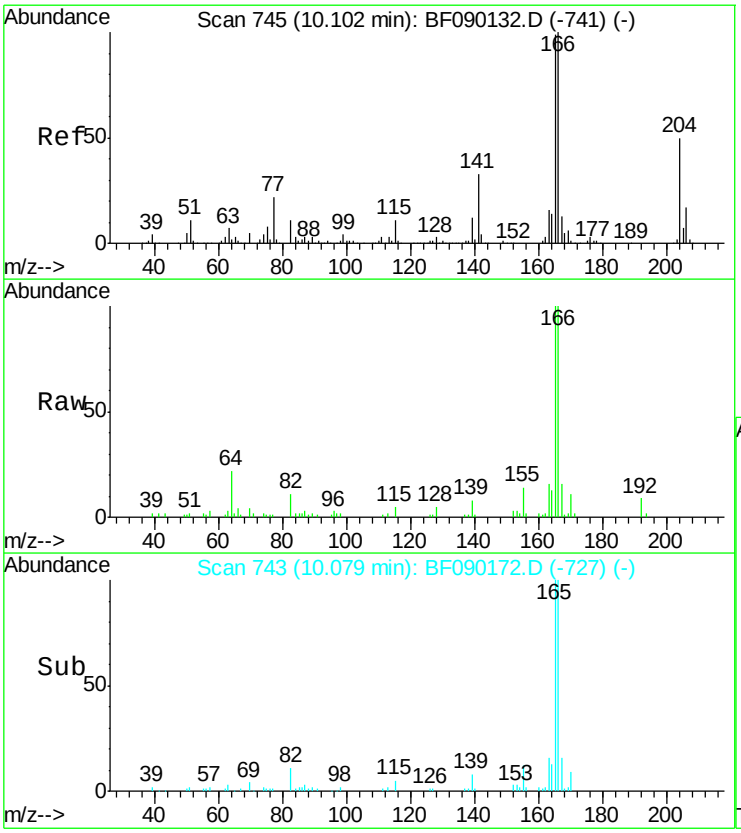
#49
Dimethylphthalate
Concen: 25.88 ng
RT: 9.28 min Scan# 673
Delta R.T. -0.02 min
Lab File: BF090172.D
Acq: 21 Sep 2016 21:15

Instrument :
BNA_F
ClientSampleId :
BH-4-0.5-4FT

Tgt Ion:163 Resp: 435632

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.8	4.2
164	9.6	8.1	12.1

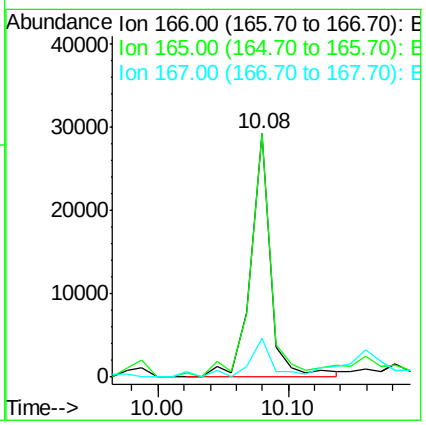


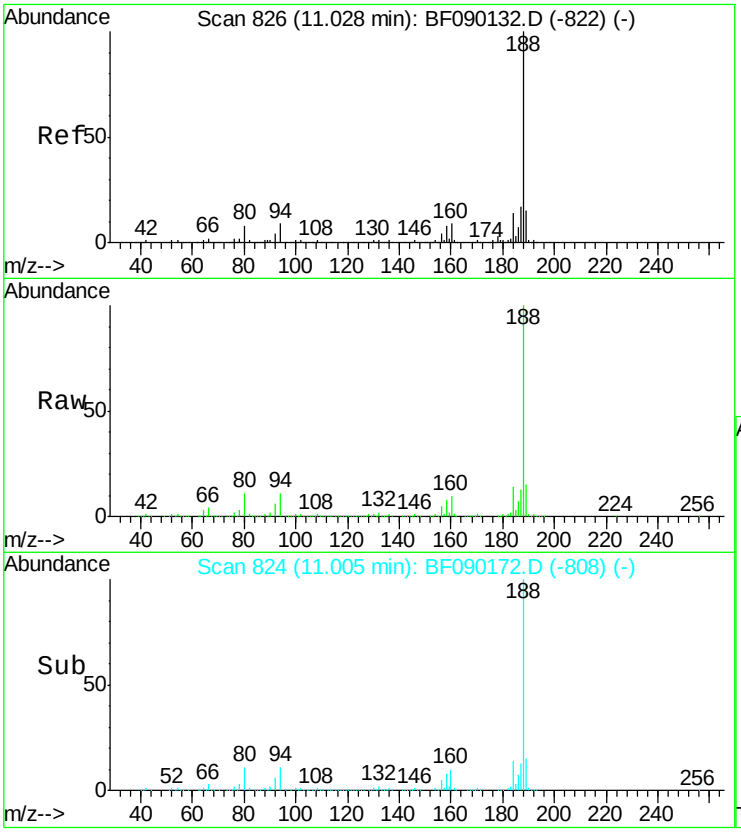


#57
Fluorene
Concen: 2.34 ng
RT: 10.08 min Scan# 743
Delta R.T. -0.02 min
Lab File: BF090172.D
Acq: 21 Sep 2016 21:15

Tgt Ion:166 Resp: 31260

Ion	Ratio	Lower	Upper
166	100		
165	100.0	78.5	117.7
167	15.9	11.2	16.8



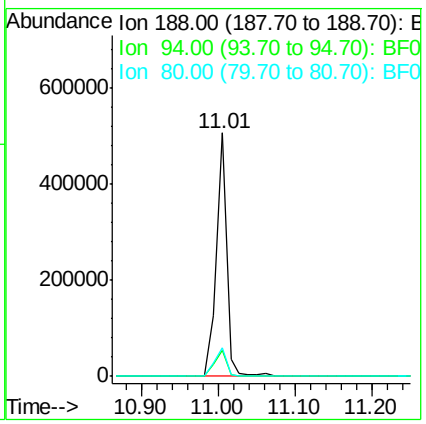


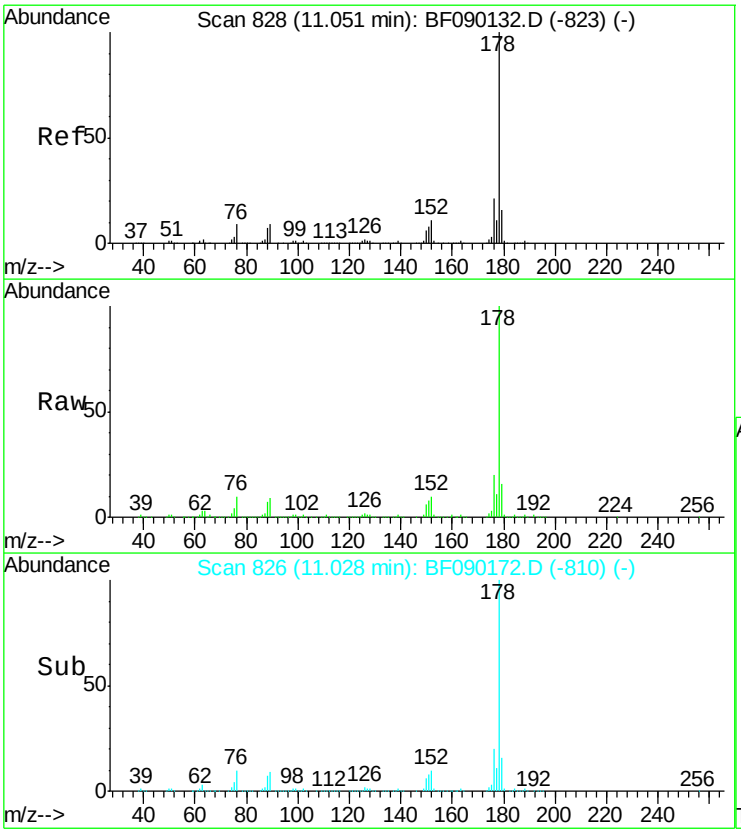
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.01 min Scan# 824
Delta R.T. -0.02 min
Lab File: BF090172.D
Acq: 21 Sep 2016 21:15

Instrument :
BNA_F
ClientSampleId :
BH-4-0.5-4FT

Tgt Ion:188 Resp: 477414

Ion	Ratio	Lower	Upper
188	100		
94	10.9	10.5	15.7
80	11.5	11.2	16.8

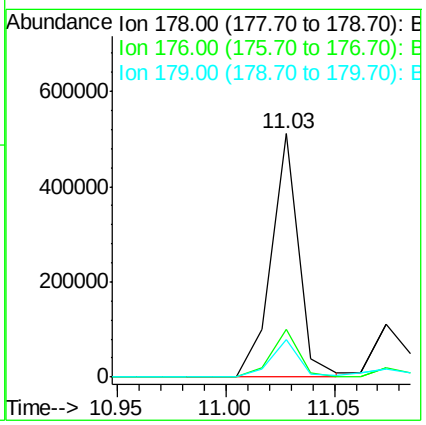


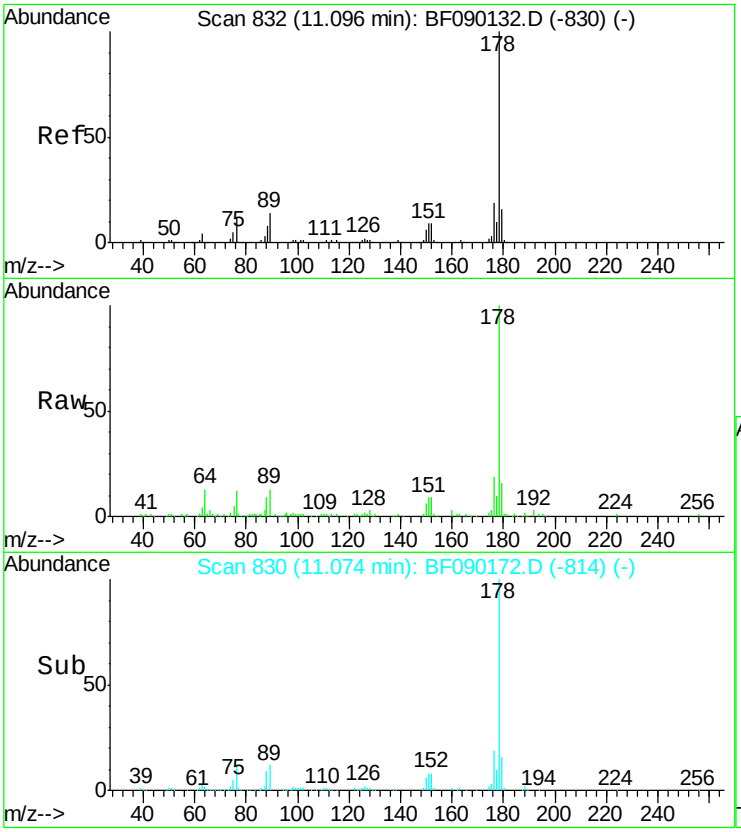


#70
Phenanthrene
Concen: 20.25 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.02 min
Lab File: BF090172.D
Acq: 21 Sep 2016 21:15

Tgt Ion:178 Resp: 452235

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.9	23.9
179	15.6	12.9	19.3



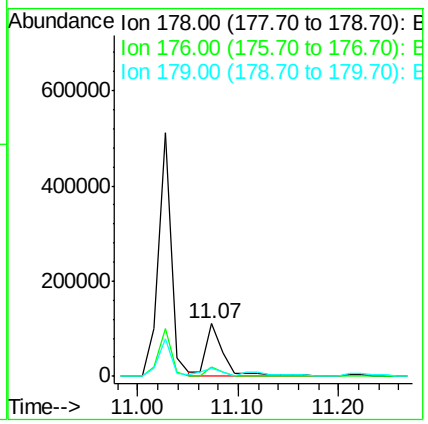


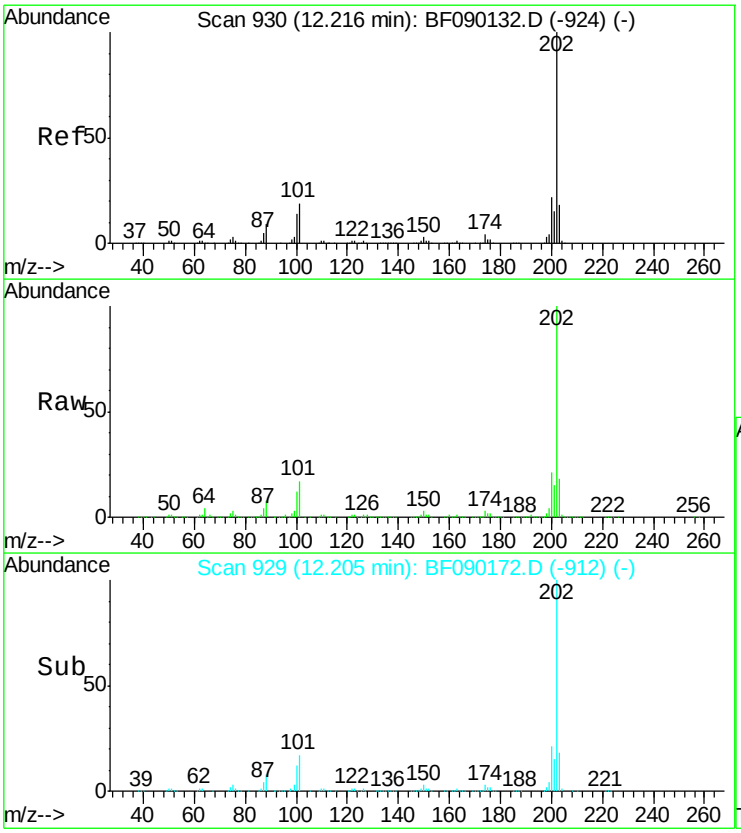
#71
Anthracene
Concen: 5.67 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.02 min
Lab File: BF090172.D
Acq: 21 Sep 2016 21:15

Instrument :
BNA_F
ClientSampleId :
BH-4-0.5-4FT

Tgt Ion:178 Resp: 132687

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.6
179	16.1	12.6	19.0

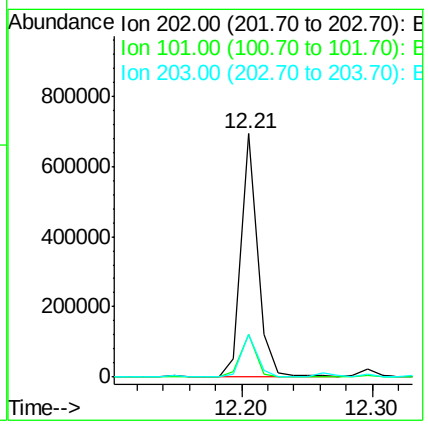


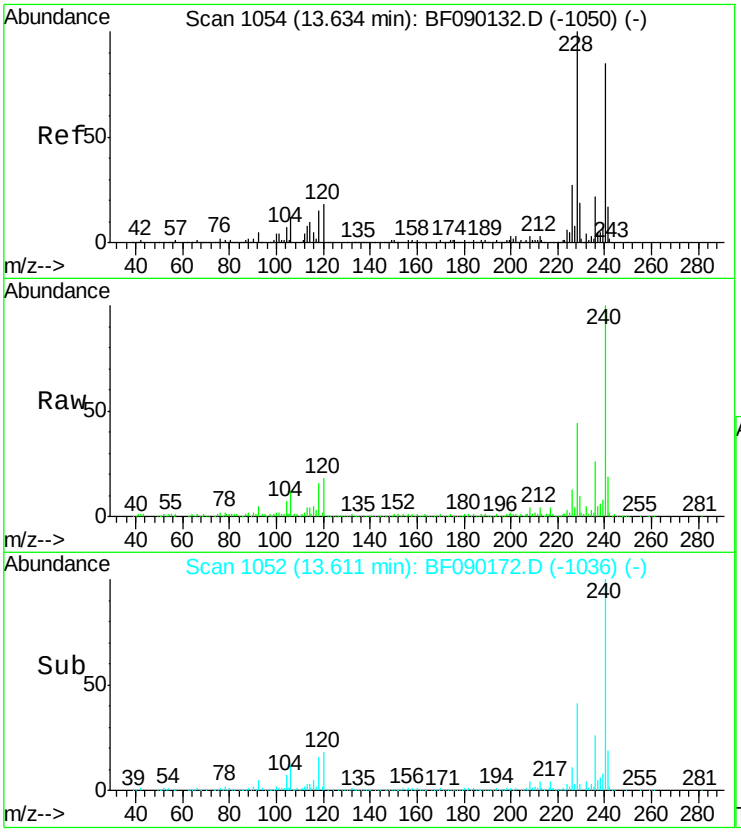


#74
Fluoranthene
Concen: 25.41 ng
RT: 12.21 min Scan# 929
Delta R.T. -0.01 min
Lab File: BF090172.D
Acq: 21 Sep 2016 21:15

Tgt Ion:202 Resp: 608957

Ion	Ratio	Lower	Upper
202	100		
101	17.3	0.0	36.1
203	17.7	0.0	38.2



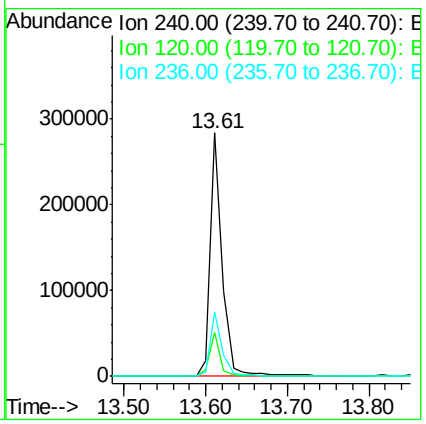


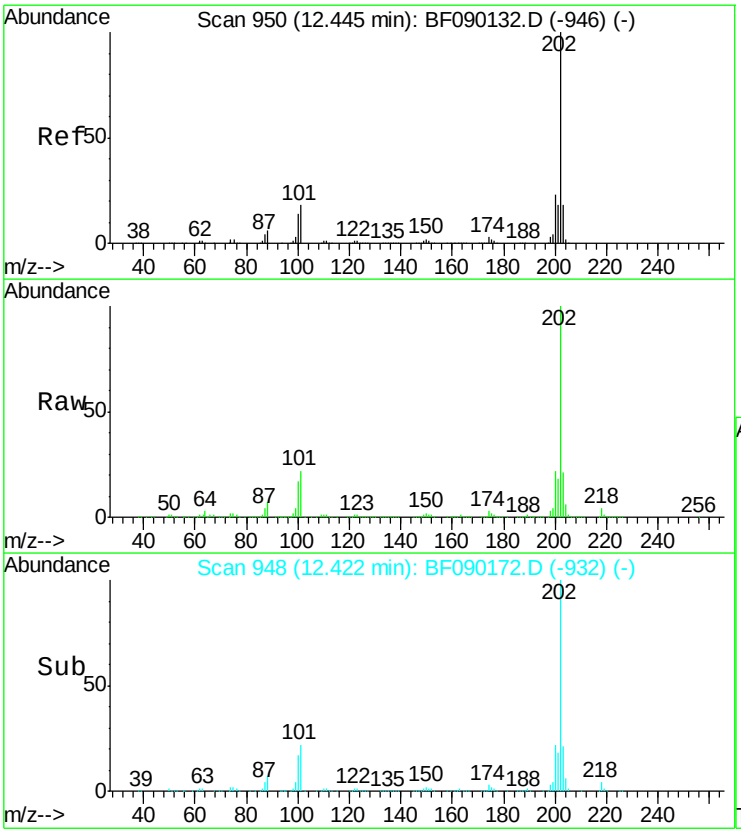
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.61 min Scan# 1052
Delta R.T. -0.02 min
Lab File: BF090172.D
Acq: 21 Sep 2016 21:15

Instrument :
BNA_F
ClientSampleId :
BH-4-0.5-4FT

Tgt Ion:240 Resp: 299141

Ion	Ratio	Lower	Upper
240	100		
120	18.1	10.6	16.0#
236	26.5	21.6	32.4

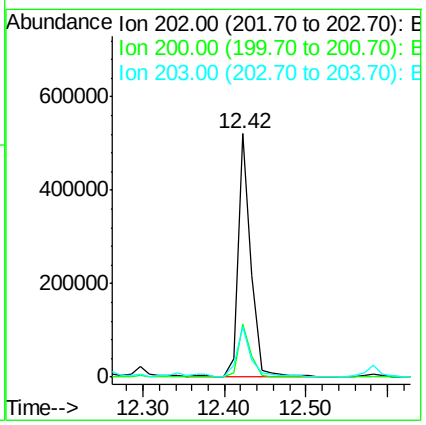


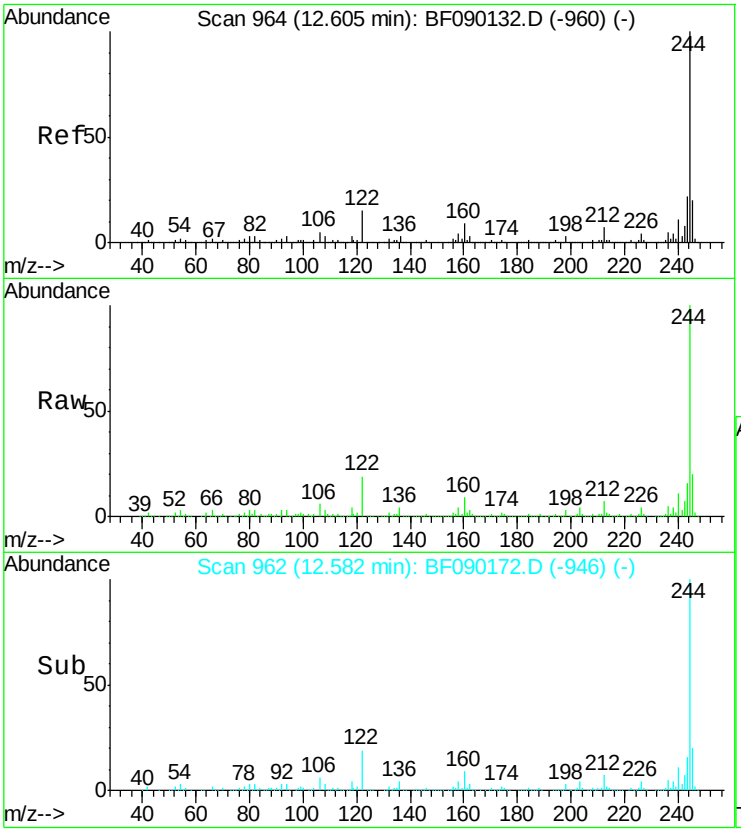


#77
Pyrene
Concen: 27.08 ng
RT: 12.42 min Scan# 948
Delta R.T. -0.02 min
Lab File: BF090172.D
Acq: 21 Sep 2016 21:15

Tgt Ion:202 Resp: 554416

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.9	26.9
203	20.6	14.2	21.4



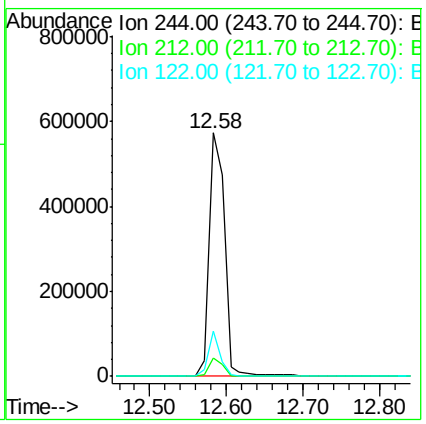


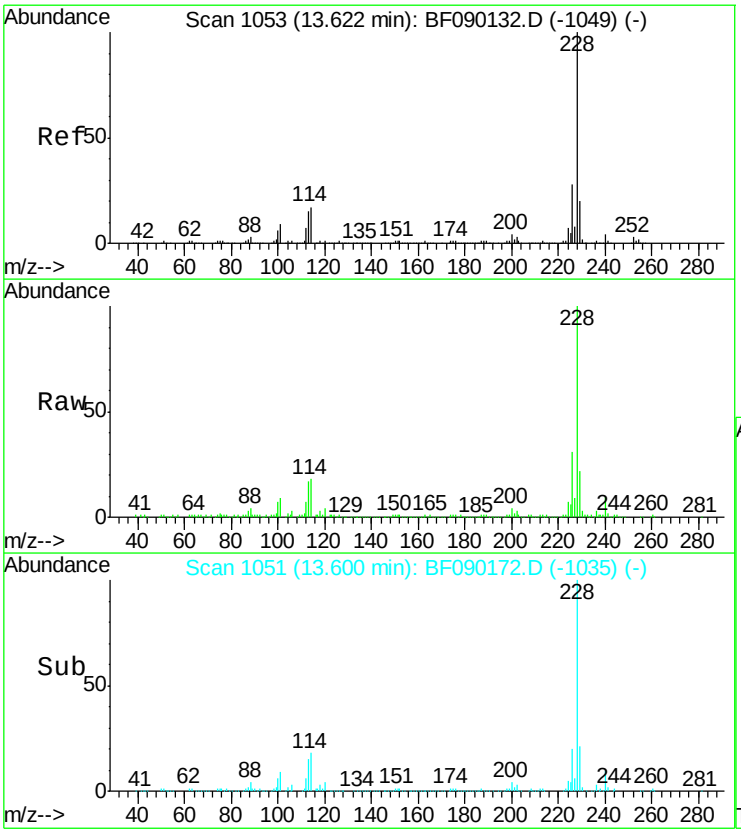
#78
Terphenyl-d14
Concen: 66.88 ng
RT: 12.58 min Scan# 962
Delta R.T. -0.02 min
Lab File: BF090172.D
Acq: 21 Sep 2016 21:15

Instrument :
BNA_F
ClientSampleId :
BH-4-0.5-4FT

Tgt Ion:244 Resp: 788008

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.8
122	18.6	9.4	14.0#

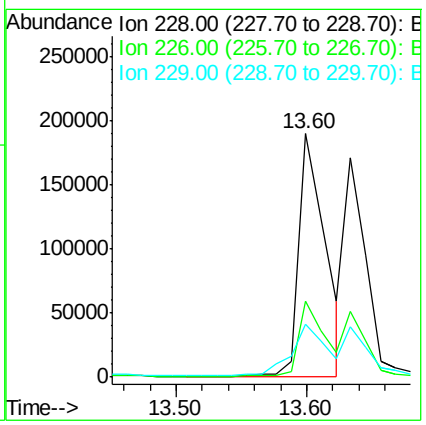


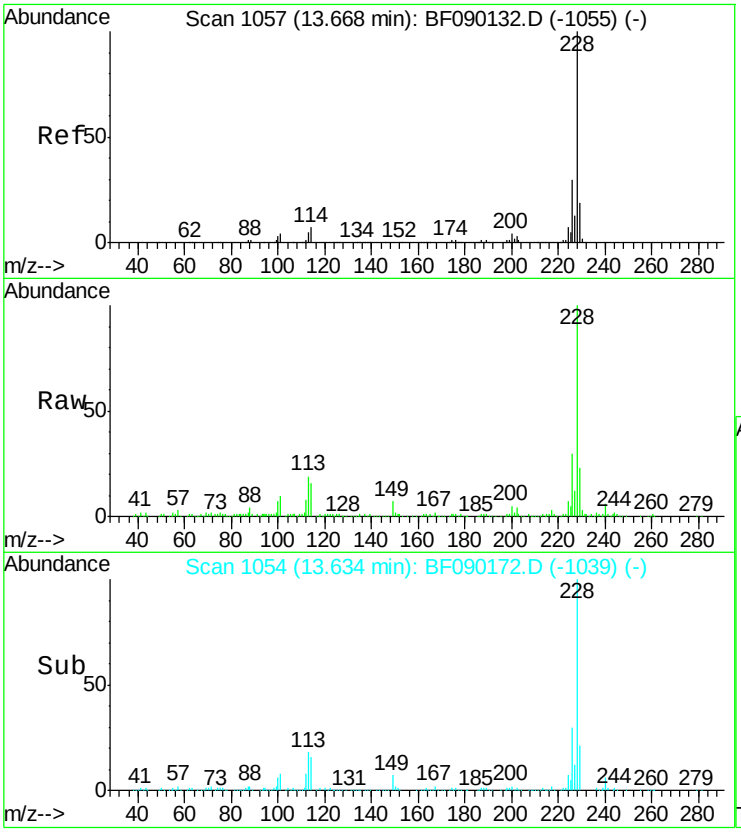


#80
Benzo(a)anthracene
Concen: 16.55 ng
RT: 13.60 min Scan# 1051
Delta R.T. -0.02 min
Lab File: BF090172.D
Acq: 21 Sep 2016 21:15

Tgt Ion:228 Resp: 266322

Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.0	33.0
229	21.7	16.2	24.2



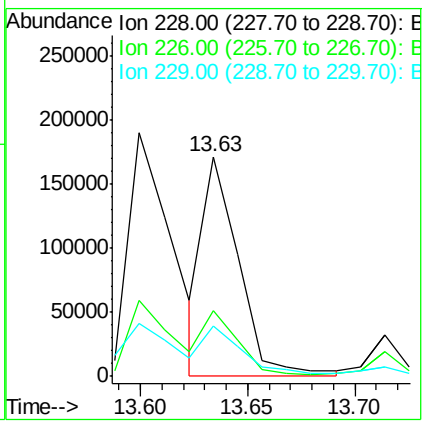


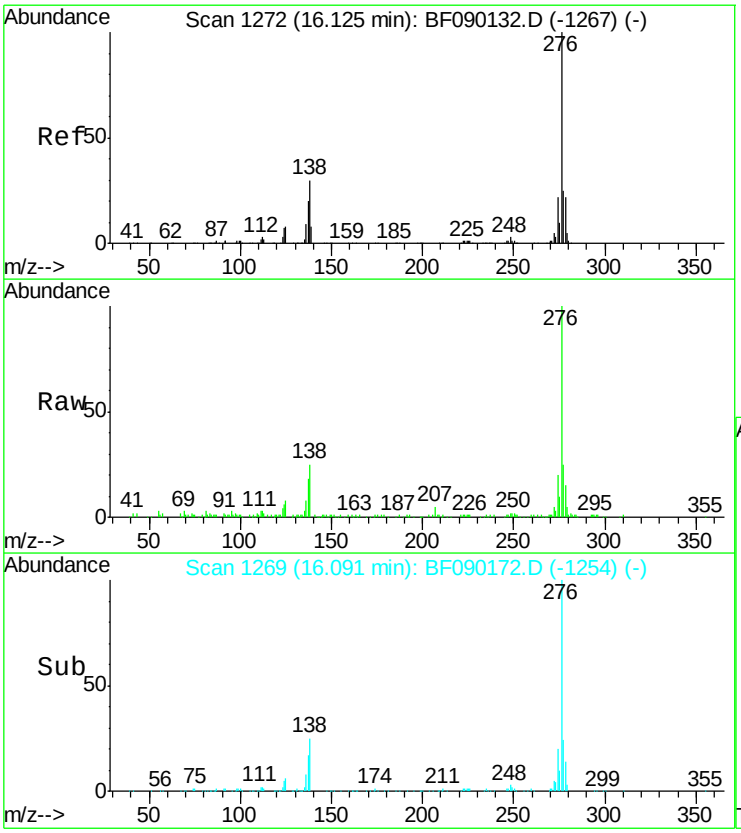
#82
Chrysene
Concen: 12.89 ng m
RT: 13.63 min Scan# 1054
Delta R.T. -0.03 min
Lab File: BF090172.D
Acq: 21 Sep 2016 21:15

Instrument :
BNA_F
ClientSampleId :
BH-4-0.5-4FT

Tgt Ion:228 Resp: 202108

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	37.0
229	22.8	16.2	24.4

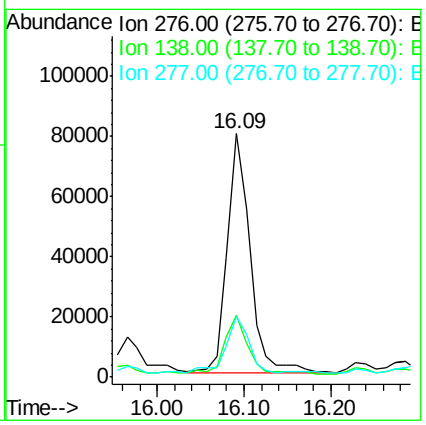


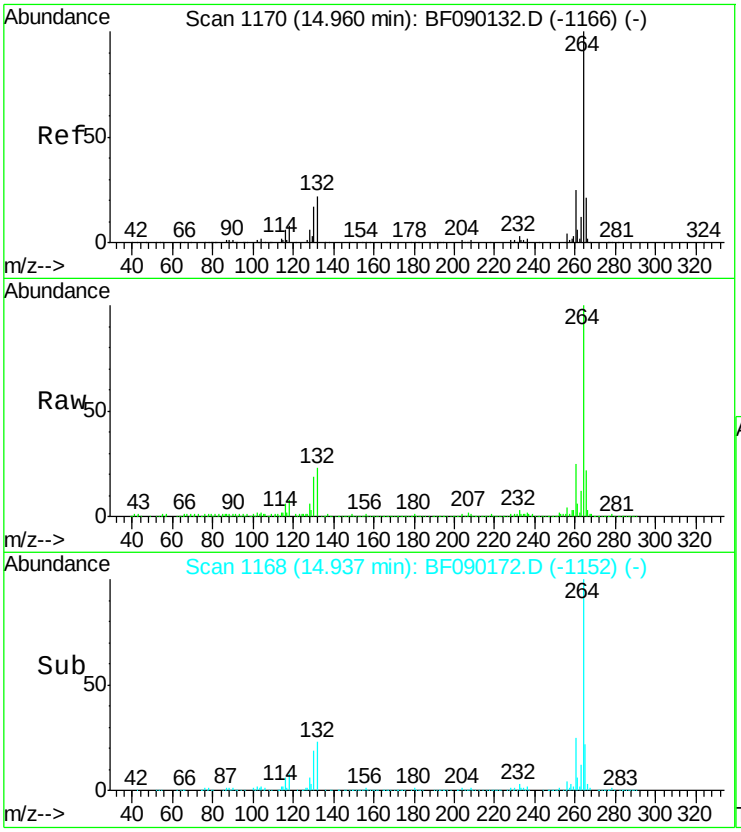


#85
Indeno(1,2,3-cd)pyrene
Concen: 11.48 ng
RT: 16.09 min Scan# 1269
Delta R.T. -0.03 min
Lab File: BF090172.D
Acq: 21 Sep 2016 21:15

Tgt Ion:276 Resp: 145478

Ion	Ratio	Lower	Upper
276	100		
138	23.5	25.9	38.9#
277	25.6	19.9	29.9



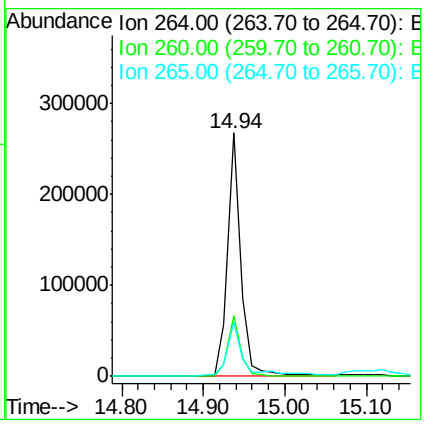


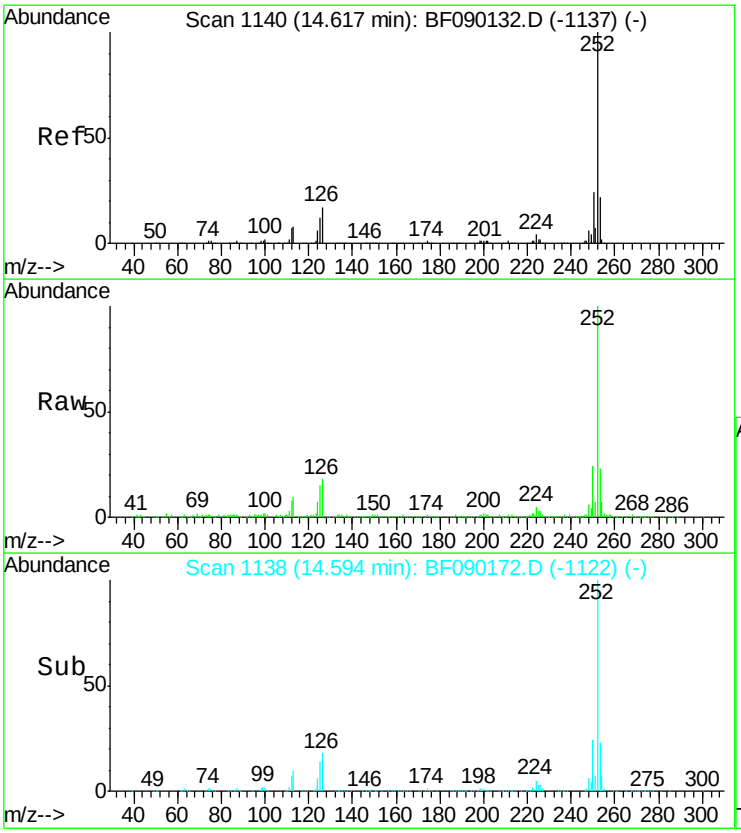
#86
Perylene-d12
Concen: 20.00 ng
RT: 14.94 min Scan# 1168
Delta R.T. -0.02 min
Lab File: BF090172.D
Acq: 21 Sep 2016 21:15

Instrument :
BNA_F
ClientSampleId :
BH-4-0.5-4FT

Tgt Ion:264 Resp: 305058

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	22.4	17.0	25.4

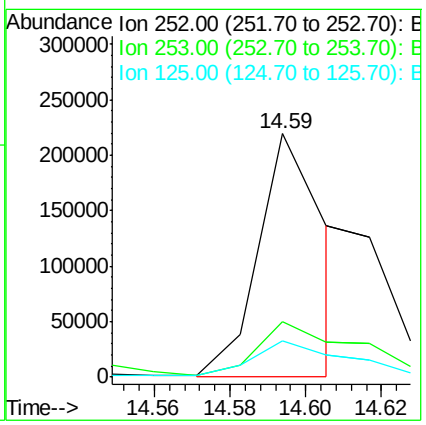


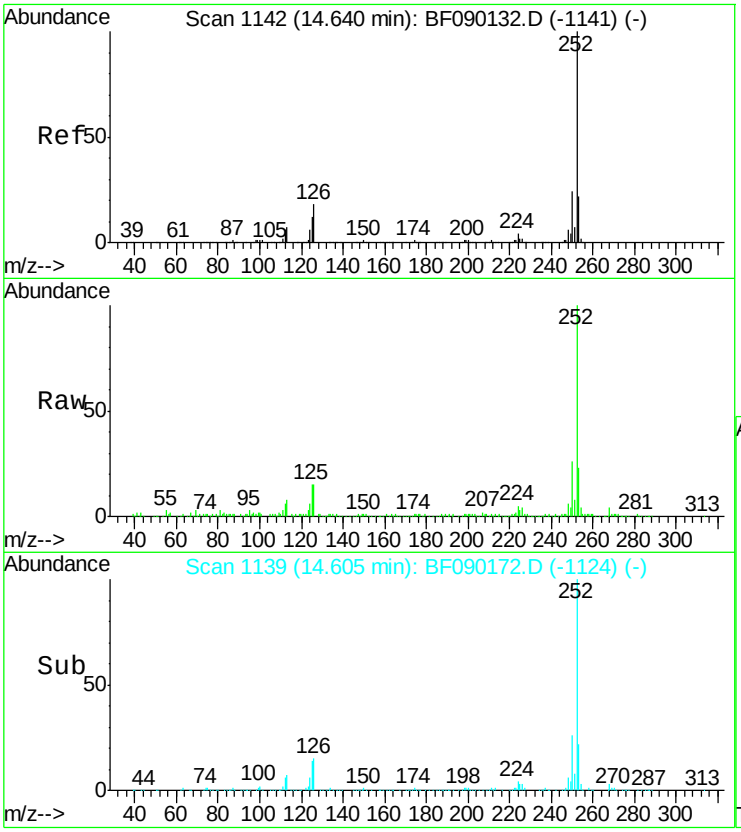


#87
Benzo(b)fluoranthene
Concen: 15.99 ng m
RT: 14.59 min Scan# 1138
Delta R.T. -0.02 min
Lab File: BF090172.D
Acq: 21 Sep 2016 21:15

Tgt Ion:252 Resp: 270065

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	14.7	12.7	19.1



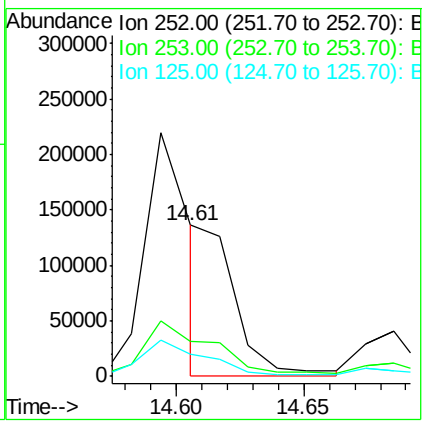


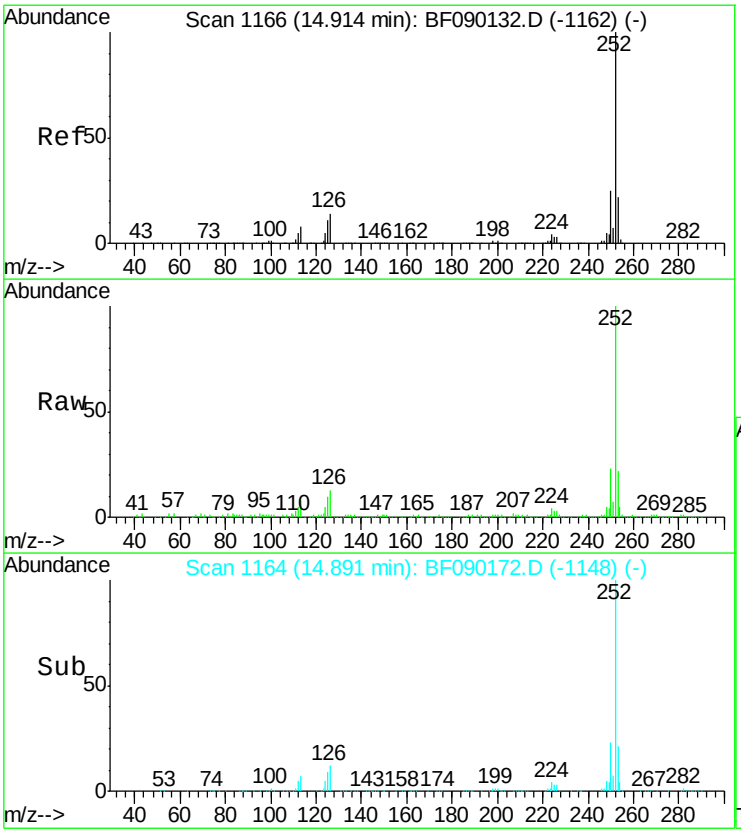
#88
Benzo(k)fluoranthene
Concen: 7.46 ng m
RT: 14.61 min Scan# 1139
Delta R.T. -0.03 min
Lab File: BF090172.D
Acq: 21 Sep 2016 21:15

Instrument :
BNA_F
ClientSampleId :
BH-4-0.5-4FT

Tgt Ion:252 Resp: 118201

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	14.8	7.8	11.6#

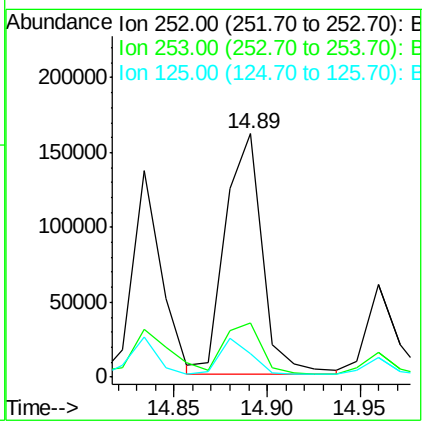


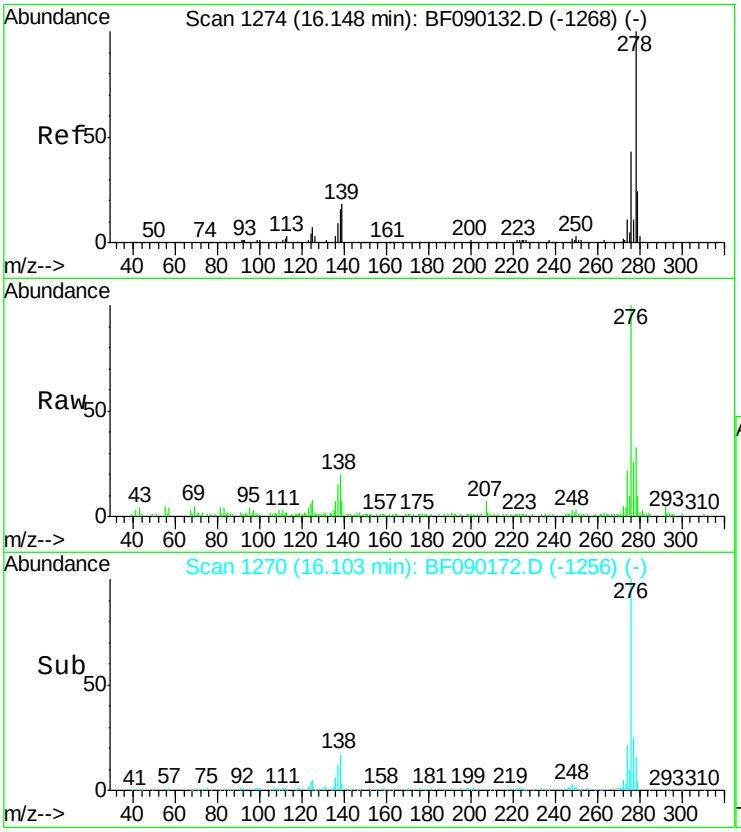


#89
Benzo(a)pyrene
Concen: 14.00 ng
RT: 14.89 min Scan# 1164
Delta R.T. -0.02 min
Lab File: BF090172.D
Acq: 21 Sep 2016 21:15

Tgt Ion:252 Resp: 222505

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	9.7	7.7	11.5



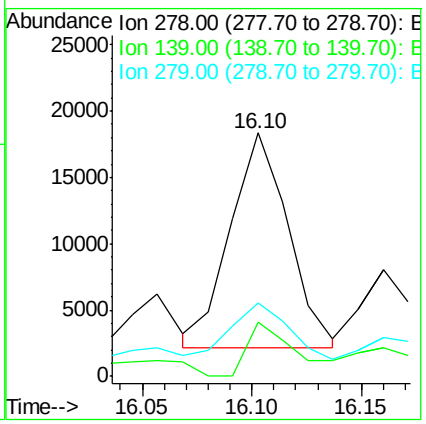


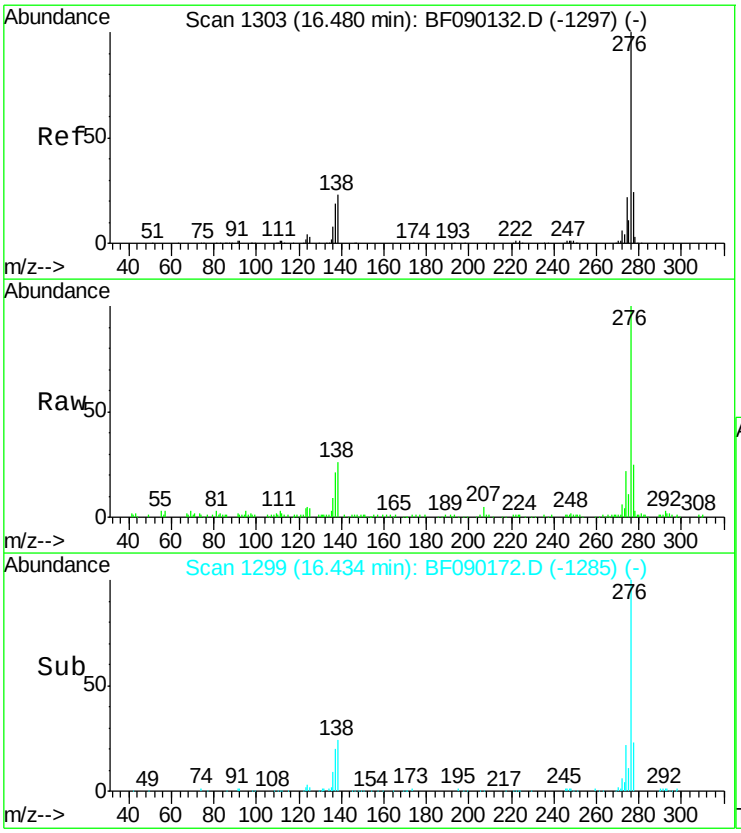
#90
Dibenzo(a,h)anthracene
Concen: 2.40 ng m
RT: 16.10 min Scan# 1270
Delta R.T. -0.05 min
Lab File: BF090172.D
Acq: 21 Sep 2016 21:15

Instrument :
BNA_F
ClientSampleId :
BH-4-0.5-4FT

Tgt Ion:278 Resp: 29760

Ion	Ratio	Lower	Upper
278	100		
139	22.4	14.6	21.8#
279	30.0	18.8	28.2#





#91
Benzo(g,h,i)perylene
Concen: 11.07 ng
RT: 16.43 min Scan# 1299
Delta R.T. -0.05 min
Lab File: BF090172.D
Acq: 21 Sep 2016 21:15

Tgt Ion:276 Resp: 134395

Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.9	28.3
138	26.3	23.3	34.9