Quantitation Report (LSC Reviewed)

Data Path : U:\HPCHEM1\BNA F\DATA\BF101816\
Data File : BF090630.D
Acq On : 18 Oct 2016 16:18
Operator : UM/SJ
Sample : H5289-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-3-1

Quant Time: Oct 19 01:35:59 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	226413	20.00	ng		-0.01
21) Naphthalene-d8	8.19	136	989850	20.00	ng		-0.01
38) Acenaphthene-d10	9.95	164	509611	20.00	ng		-0.01
63) Phenanthrene-d10	11.43	188	744294	20.00	ng		-0.01
75) Chrysene-d12	14.08	240	515688	20.00	ng		-0.01
86) Perylene-d12	15.54	264	488647	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.51	112	1263586	102.31	ng		0.00
7) Phenol-d6	6.53	99	1651867	90.01	ng		-0.01
23) Nitrobenzene-d5	7.46	82	1106798	62.11	ng		-0.02
41) 2,4,6-Tribromophenol	10.74	330	343346	75.57	ng		-0.01
44) 2-Fluorobiphenyl	9.26	172	1623833	52.50	ng		-0.01
78) Terphenyl-d14	13.02	244	1352561	61.07	ng		-0.01
Target Compounds							Qvalue
31) Naphthalene	8.21	128	151680	3.01	ng		100
37) 2-Methylnaphthalene	8.90	142	132042	4.46	ng		98
48) Acenaphthylene	9.80	152	116422	2.53	ng		98
49) Dimethylphthalate	9.66	163	797146	24.11	ng		98
54) Dibenzofuran	10.15	168	91724	2.28	ng		99
70) Phenanthrene	11.46	178	372137	9.37	ng		98
71) Anthracene	11.50	178	145293	3.40	ng		100
74) Fluoranthene	12.65	202	549008	13.74	ng		95
77) Pyrene	12.87	202	493499	14.45	ng		99
80) Benzo(a)anthracene	14.06	228	313998m	10.70	ng		
82) Chrysene	14.10	228	519244m	18.36	ng		
85) Indeno(1,2,3-cd)pyrene	16.99	276	259469	15.86	ng	#	91
87) Benzo(b)fluoranthene	15.12	252	755616m	23.63	ng		
88) Benzo(k)fluoranthene	15.13	252	349123m	10.15	ng		
89) Benzo(a)pyrene	15.48	252	364084	12.44	ng	#	96
90) Dibenzo(a,h)anthracene	16.99	278	64450	2.89	ng		92
91) Benzo(g,h,i)perylene	17.42	276	223326	10.49	ng		97

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

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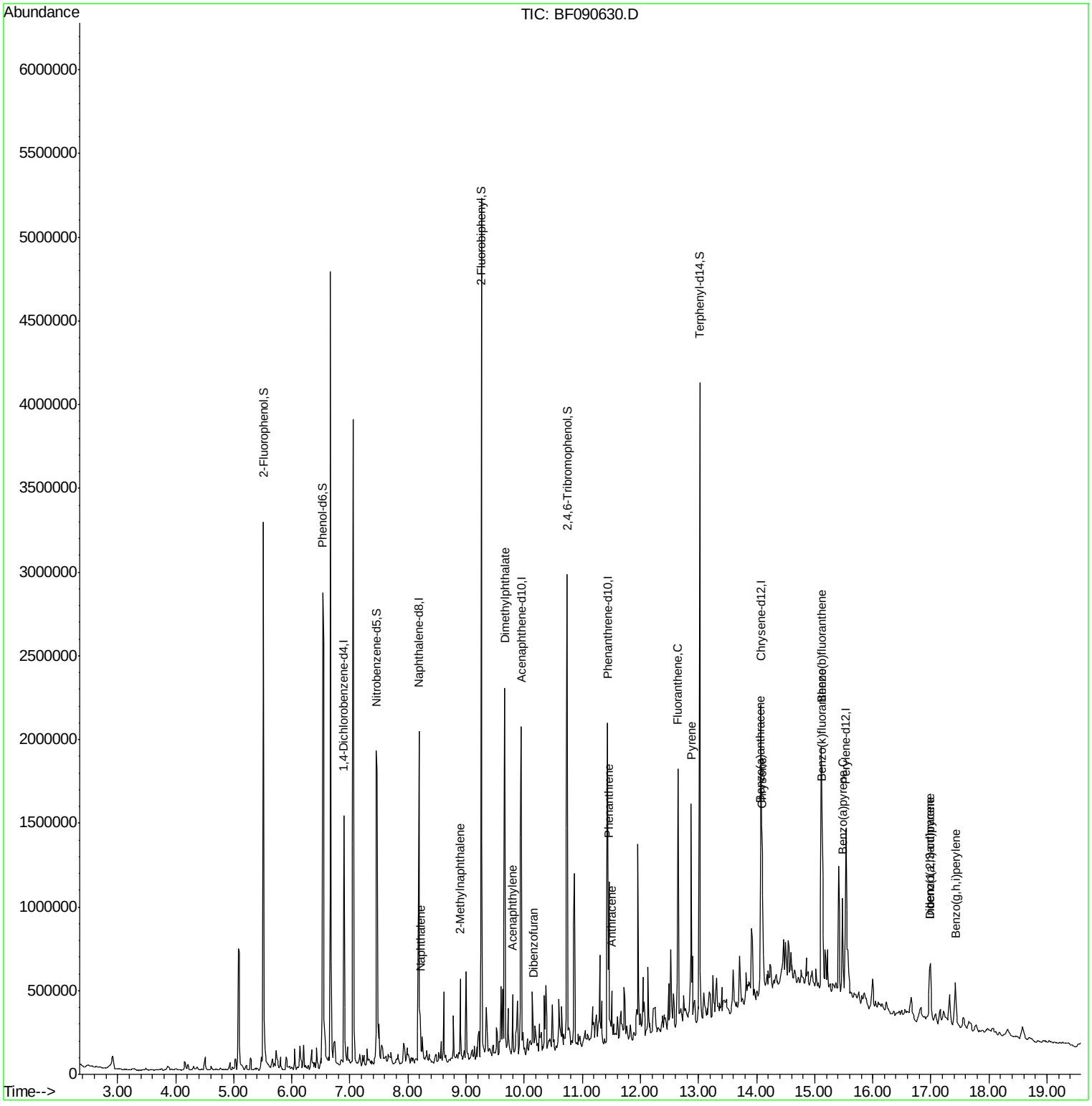
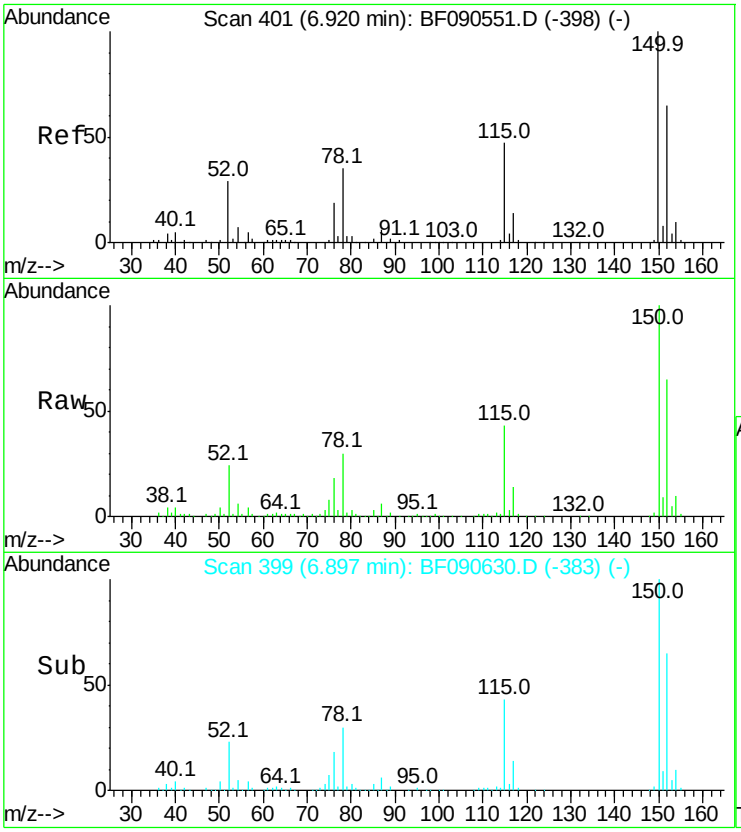
Instrument :
BNA_F
ClientSampleId :
SP-3-1

Quant Time: Oct 19 01:35:59 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



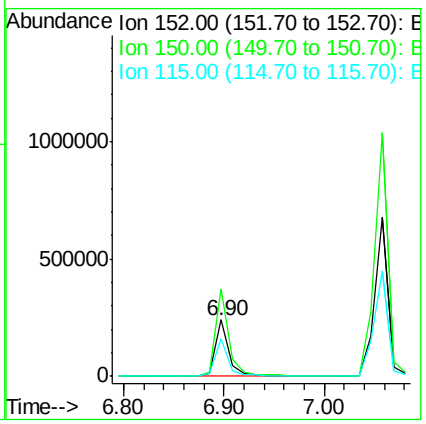


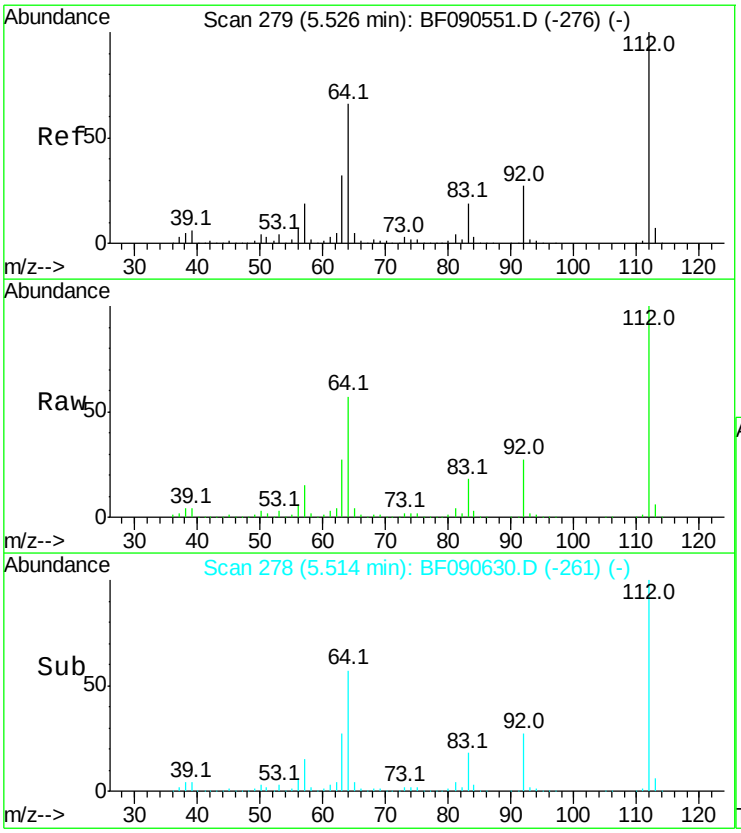
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 399
Delta R.T. -0.01 min
Lab File: BF090630.D
Acq: 18 Oct 2016 16:18

Instrument :
BNA_F
ClientSampleId :
SP-3-1

Tgt Ion:152 Resp: 226413

Ion	Ratio	Lower	Upper
152	100		
150	153.7	127.2	190.8
115	66.7	58.6	88.0

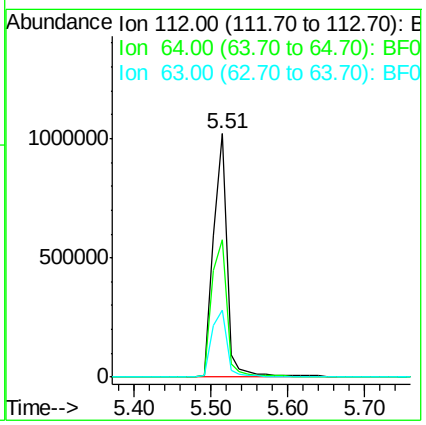


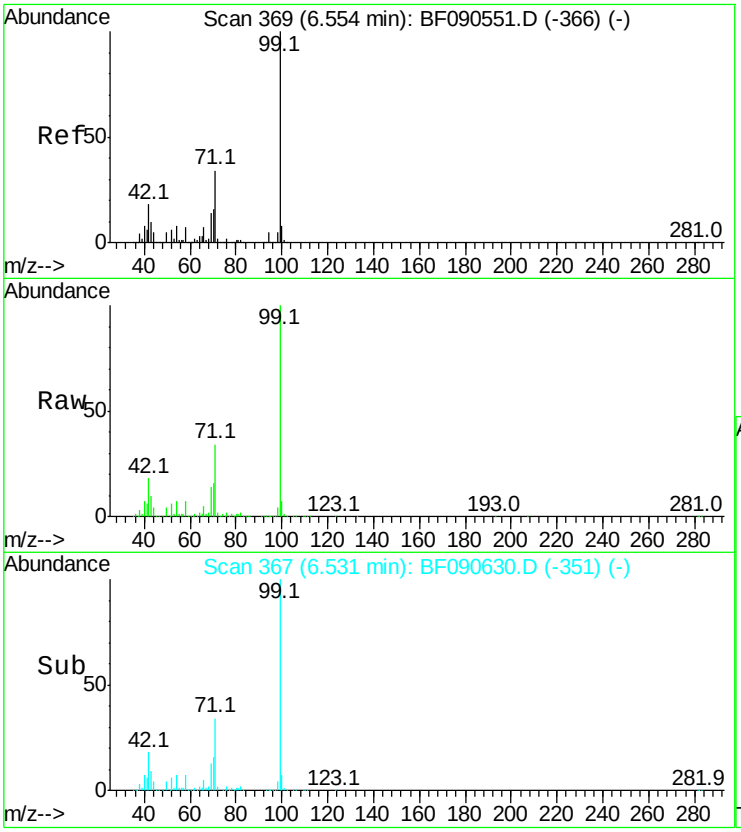


#5
2-Fluorophenol
Concen: 102.31 ng
RT: 5.51 min Scan# 278
Delta R.T. -0.00 min
Lab File: BF090630.D
Acq: 18 Oct 2016 16:18

Tgt Ion:112 Resp: 1263586

Ion	Ratio	Lower	Upper
112	100		
64	56.5	52.6	78.8
63	27.4	26.0	39.0



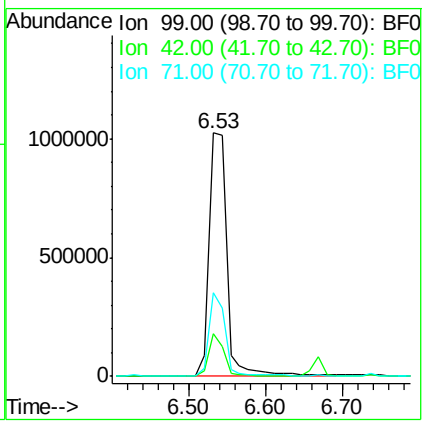


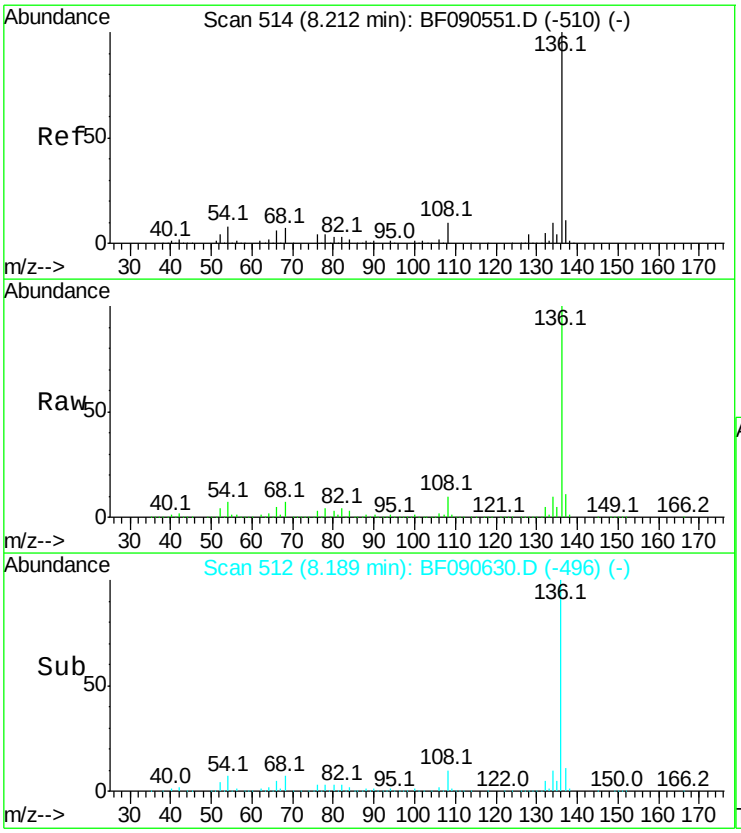
#7
Phenol-d6
Concen: 90.01 ng
RT: 6.53 min Scan# 367
Delta R.T. -0.01 min
Lab File: BF090630.D
Acq: 18 Oct 2016 16:18

Instrument :
BNA_F
ClientSampleId :
SP-3-1

Tgt Ion: 99 Resp: 1651867

Ion	Ratio	Lower	Upper
99	100		
42	17.7	14.7	22.1
71	34.2	27.6	41.4

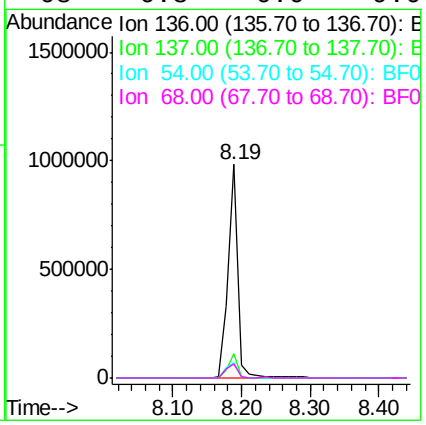


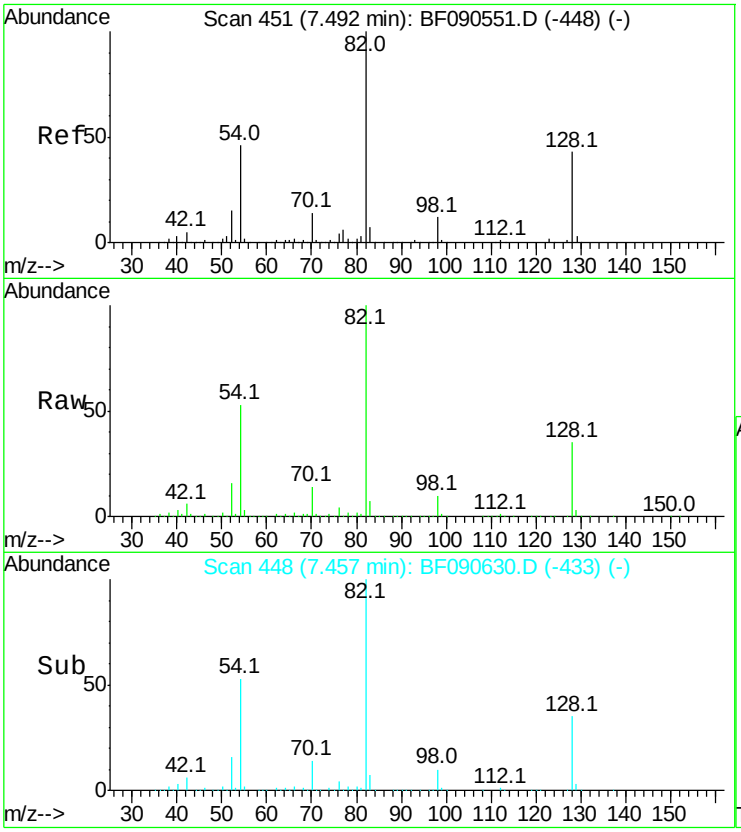


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 512
Delta R.T. -0.01 min
Lab File: BF090630.D
Acq: 18 Oct 2016 16:18

Tgt Ion:136 Resp: 989850

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.4	6.8	10.2
68	6.8	6.0	9.0



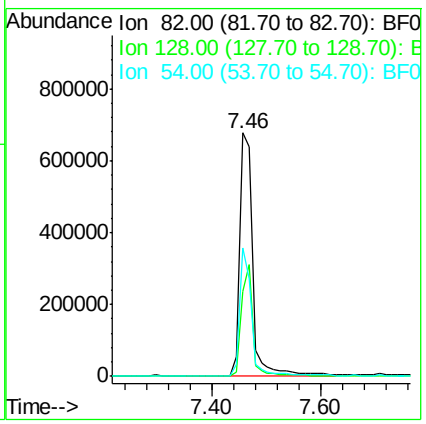


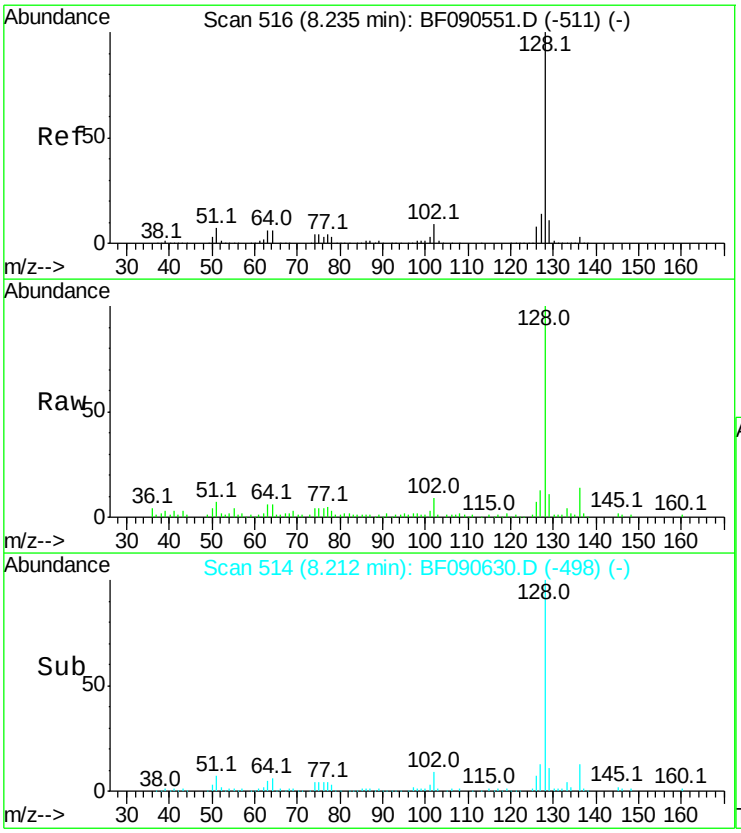
#23
Nitrobenzene-d5
Concen: 62.11 ng
RT: 7.46 min Scan# 448
Delta R.T. -0.02 min
Lab File: BF090630.D
Acq: 18 Oct 2016 16:18

Instrument :
BNA_F
ClientSampleId :
SP-3-1

Tgt Ion: 82 Resp: 1106798

Ion	Ratio	Lower	Upper
82	100		
128	35.0	34.3	51.5
54	52.5	37.0	55.6

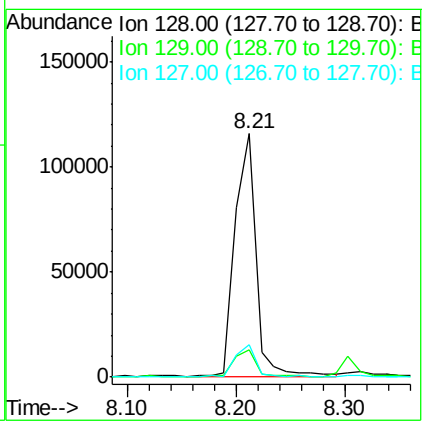


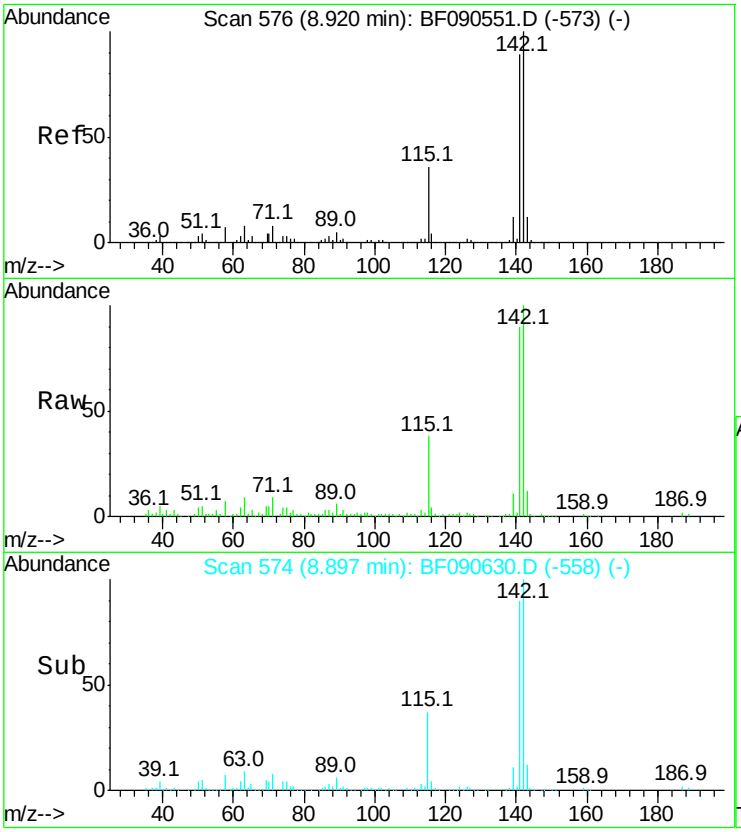


#31
Naphthalene
Concen: 3.01 ng
RT: 8.21 min Scan# 514
Delta R.T. -0.01 min
Lab File: BF090630.D
Acq: 18 Oct 2016 16:18

Tgt Ion:128 Resp: 151680

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.6
127	13.4	10.8	16.2



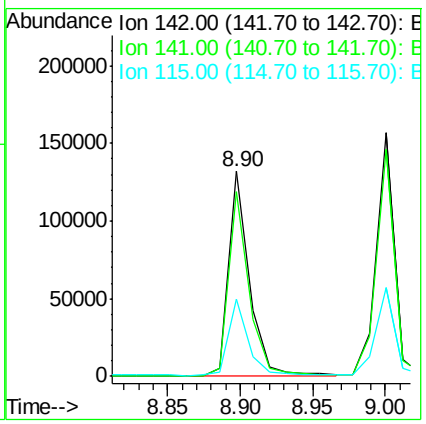


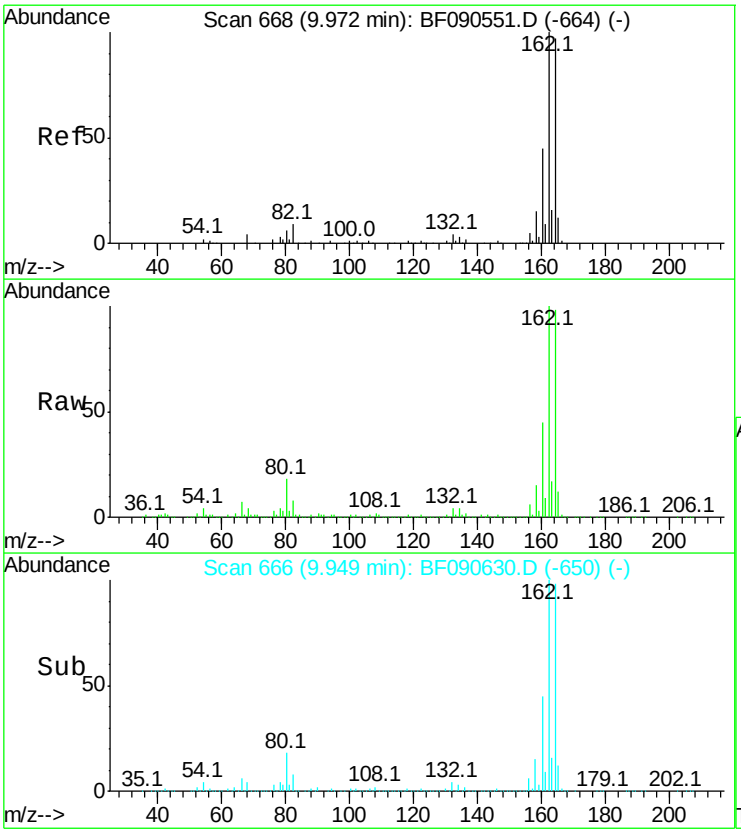
#37
2-Methylnaphthalene
Concen: 4.46 ng
RT: 8.90 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF090630.D
Acq: 18 Oct 2016 16:18

Instrument :
BNA_F
ClientSampleId :
SP-3-1

Tgt Ion:142 Resp: 132042

Ion	Ratio	Lower	Upper
142	100		
141	90.2	71.3	106.9
115	37.7	28.8	43.2

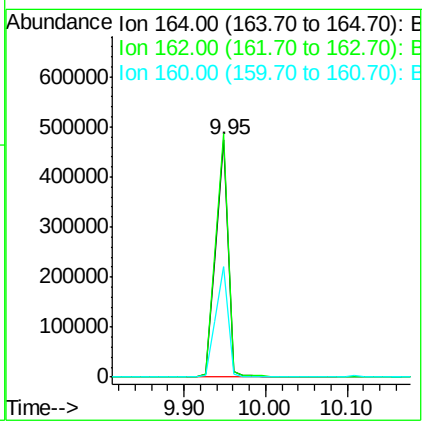


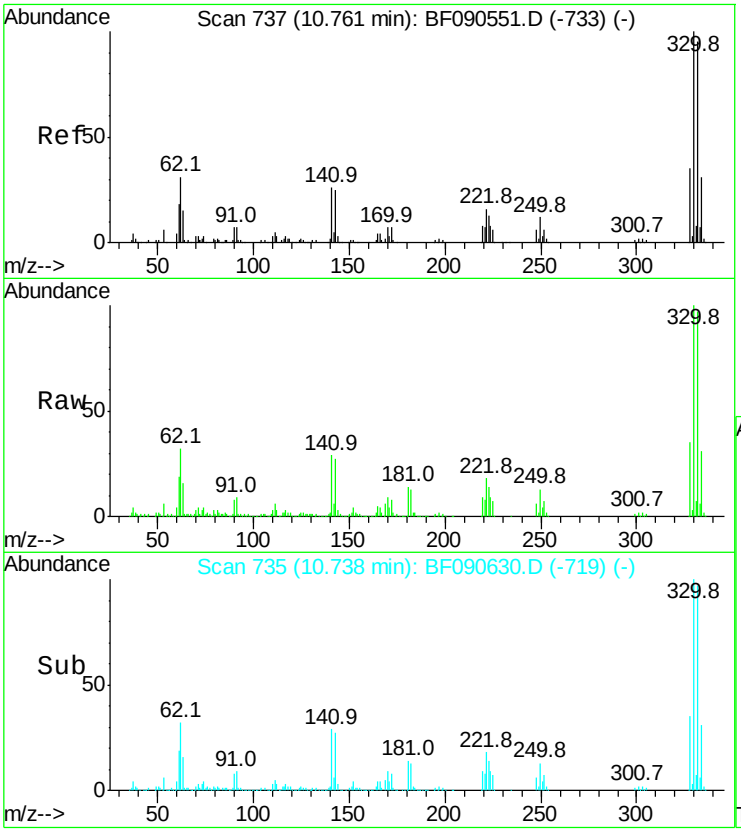


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 666
Delta R.T. -0.01 min
Lab File: BF090630.D
Acq: 18 Oct 2016 16:18

Tgt Ion:164 Resp: 509611

Ion	Ratio	Lower	Upper
164	100		
162	102.4	82.2	123.4
160	46.2	36.6	55.0



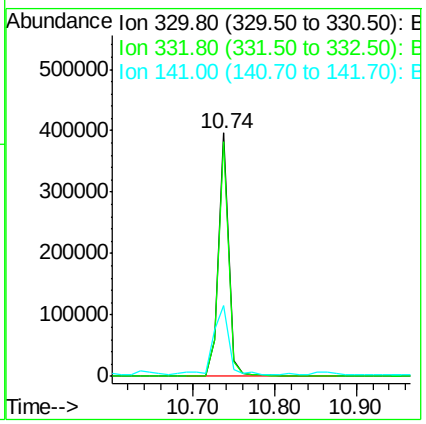


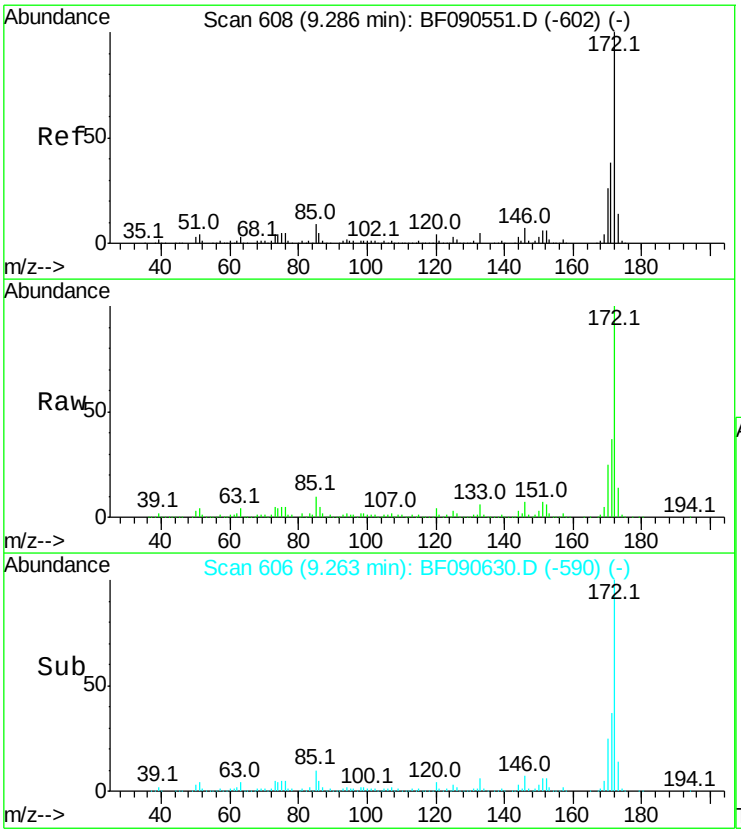
#41
2,4,6-Tribromophenol
Concen: 75.57 ng
RT: 10.74 min Scan# 735
Delta R.T. -0.01 min
Lab File: BF090630.D
Acq: 18 Oct 2016 16:18

Instrument :
BNA_F
ClientSampleId :
SP-3-1

Tgt Ion:330 Resp: 343346

Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.2	114.2
141	45.3	31.4	47.2

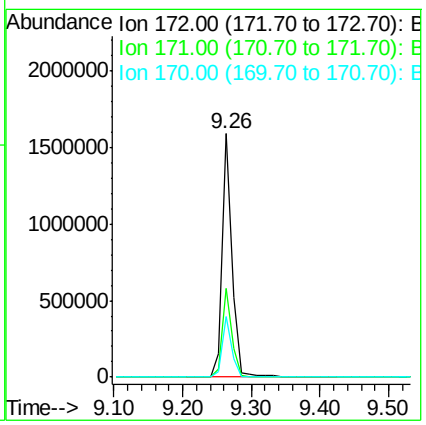


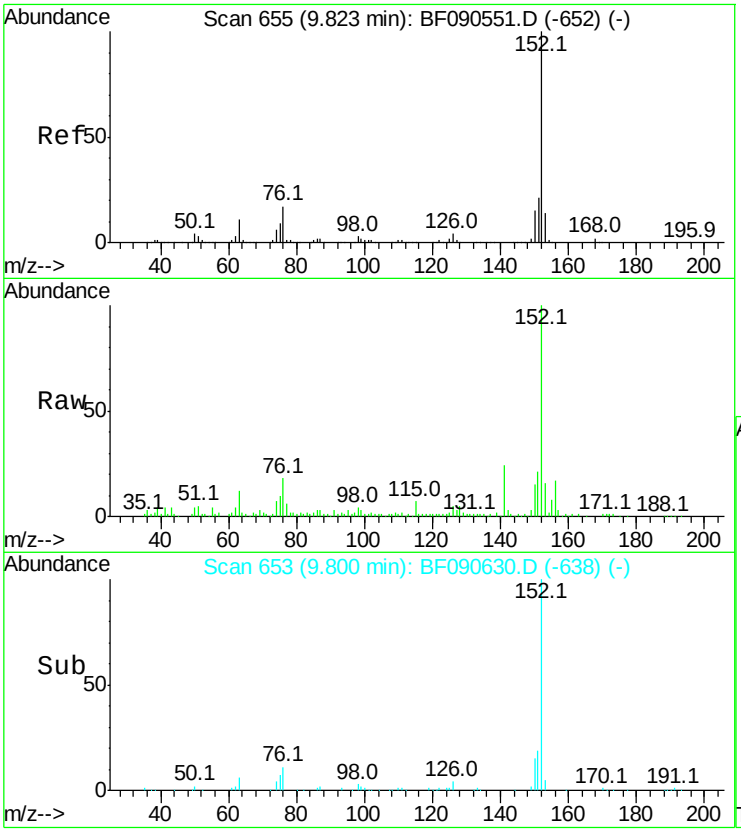


#44
2-Fluorobiphenyl
Concen: 52.50 ng
RT: 9.26 min Scan# 606
Delta R.T. -0.01 min
Lab File: BF090630.D
Acq: 18 Oct 2016 16:18

Tgt Ion:172 Resp: 1623833

Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.1	45.1
170	25.0	20.6	30.8



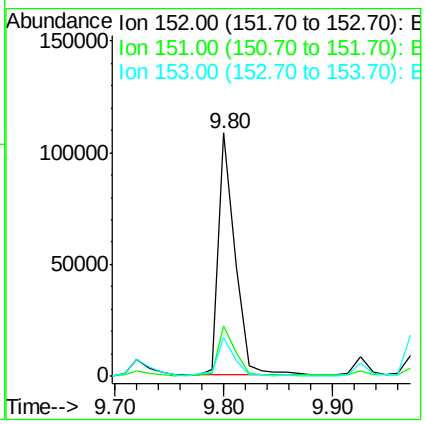


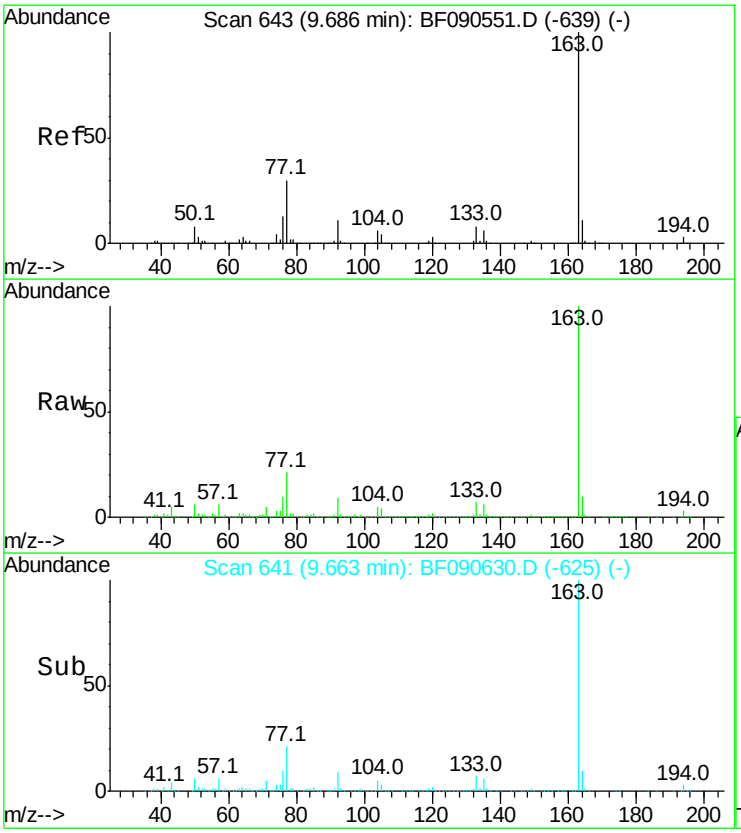
#48
Acenaphthylene
Concen: 2.53 ng
RT: 9.80 min Scan# 653
Delta R.T. -0.02 min
Lab File: BF090630.D
Acq: 18 Oct 2016 16:18

Instrument :
BNA_F
ClientSampleId :
SP-3-1

Tgt Ion:152 Resp: 116422

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.6	25.0
153	15.9	11.3	16.9

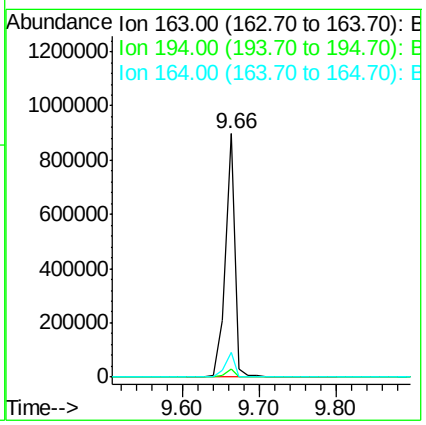


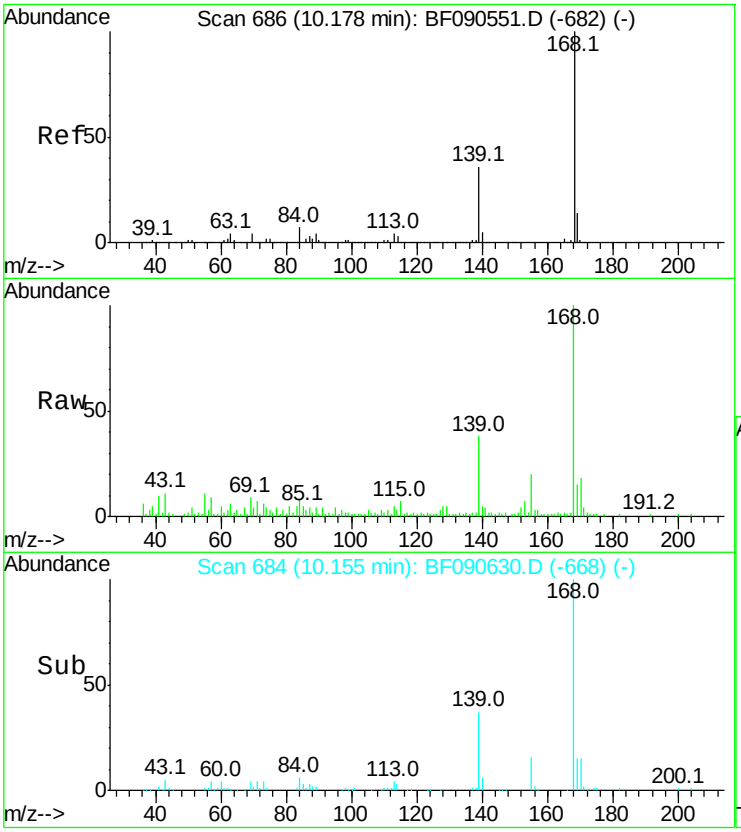


#49
Dimethylphthalate
Concen: 24.11 ng
RT: 9.66 min Scan# 641
Delta R.T. -0.01 min
Lab File: BF090630.D
Acq: 18 Oct 2016 16:18

Tgt Ion:163 Resp: 797146

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.3	3.5
164	10.2	8.6	13.0



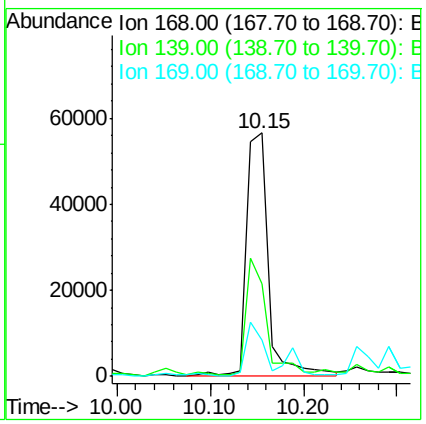


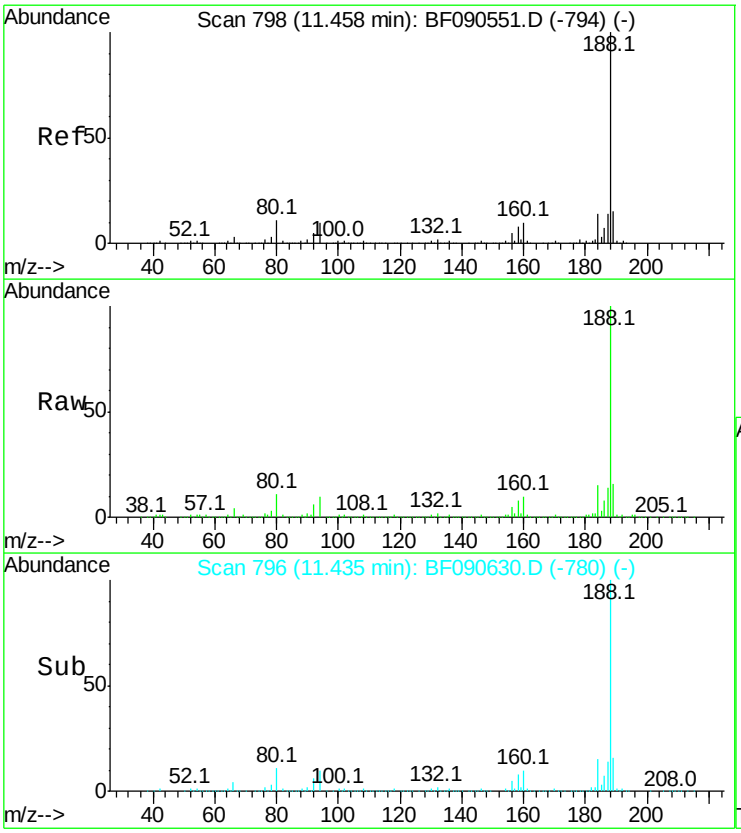
#54
Dibenzofuran
Concen: 2.28 ng
RT: 10.15 min Scan# 684
Delta R.T. -0.01 min
Lab File: BF090630.D
Acq: 18 Oct 2016 16:18

Instrument :
BNA_F
ClientSampleId :
SP-3-1

Tgt Ion:168 Resp: 91724

Ion	Ratio	Lower	Upper
168	100		
139	38.2	30.5	45.7
169	15.1	10.9	16.3

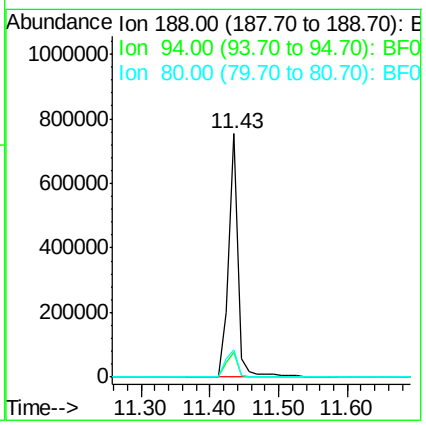


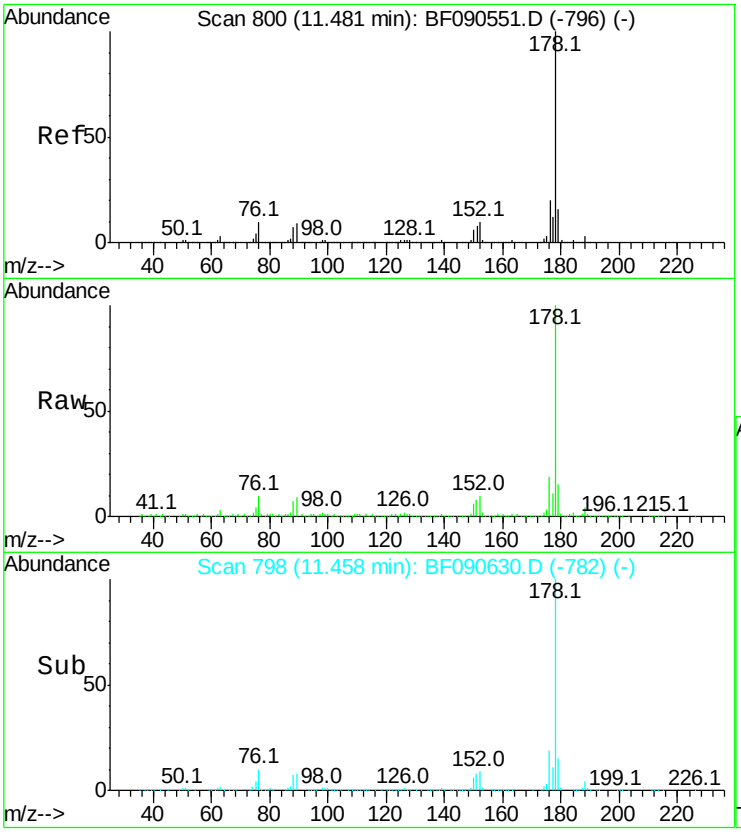


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF090630.D
Acq: 18 Oct 2016 16:18

Tgt Ion:188 Resp: 744294

Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.7	11.5
80	11.4	8.6	12.8



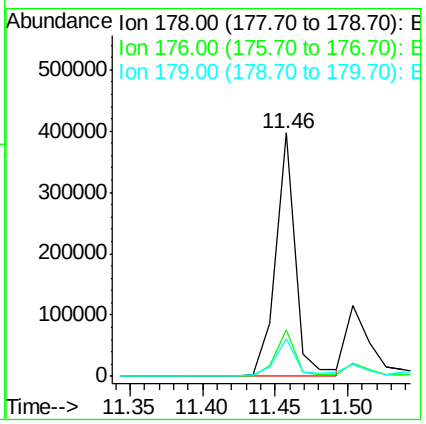


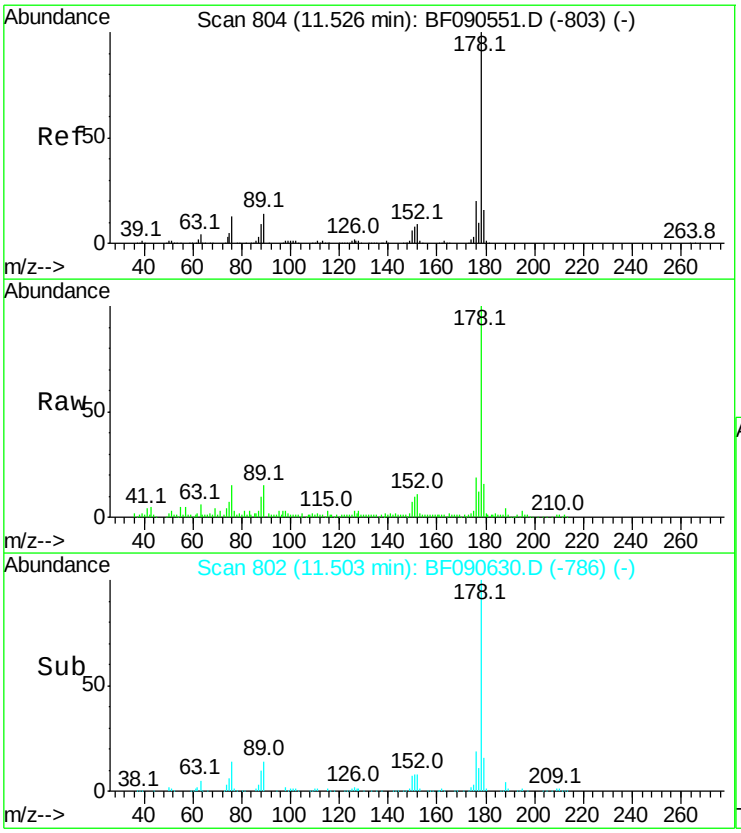
#70
Phenanthrene
Concen: 9.37 ng
RT: 11.46 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF090630.D
Acq: 18 Oct 2016 16:18

Instrument :
BNA_F
ClientSampleId :
SP-3-1

Tgt Ion:178 Resp: 372137

Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.1	24.1
179	15.2	12.6	19.0

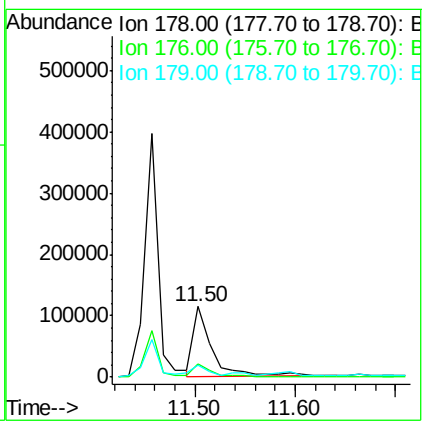


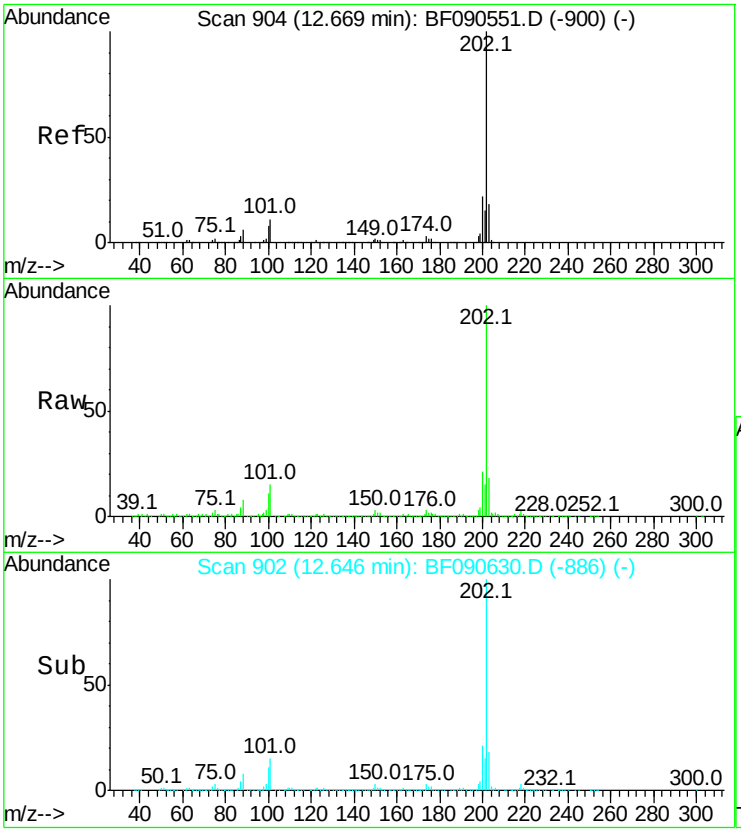


#71
Anthracene
Concen: 3.40 ng
RT: 11.50 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF090630.D
Acq: 18 Oct 2016 16:18

Tgt Ion:178 Resp: 145293

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	16.3	13.0	19.4



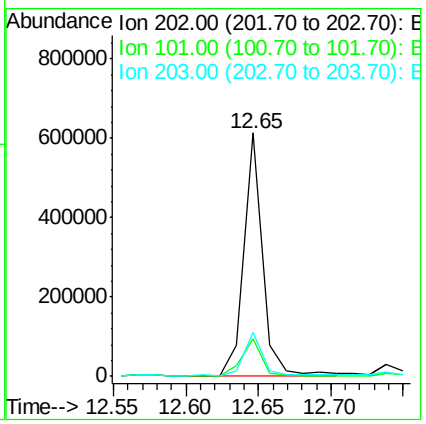


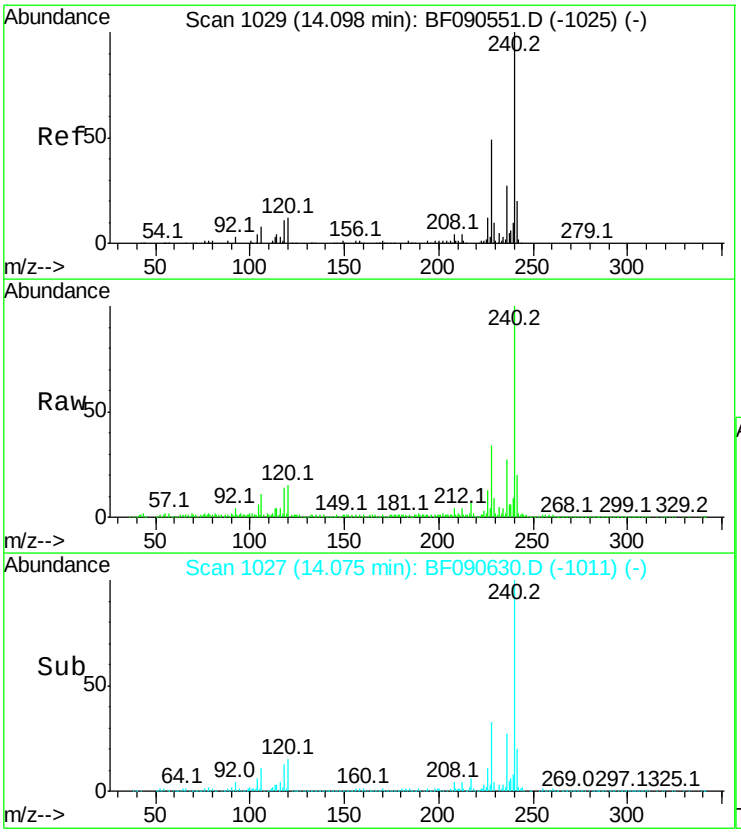
#74
Fluoranthene
Concen: 13.74 ng
RT: 12.65 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF090630.D
Acq: 18 Oct 2016 16:18

Instrument :
BNA_F
ClientSampleId :
SP-3-1

Tgt Ion:202 Resp: 549008

Ion	Ratio	Lower	Upper
202	100		
101	15.4	0.0	31.1
203	18.2	0.0	38.0

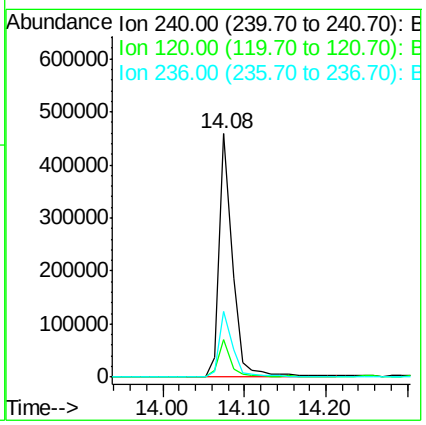


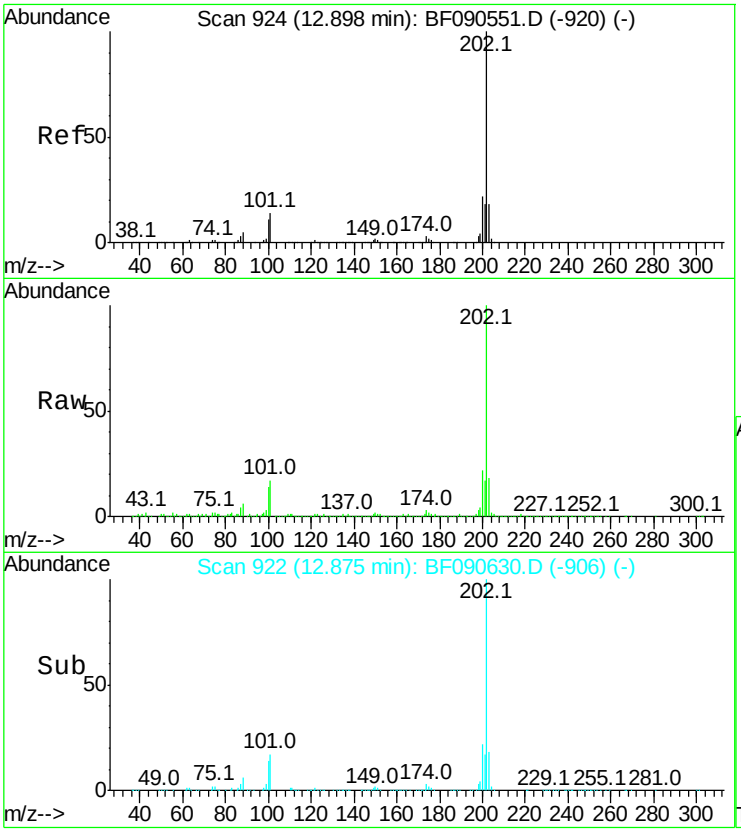


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.08 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF090630.D
Acq: 18 Oct 2016 16:18

Tgt Ion:240 Resp: 515688

Ion	Ratio	Lower	Upper
240	100		
120	15.4	9.8	14.8#
236	26.9	21.7	32.5



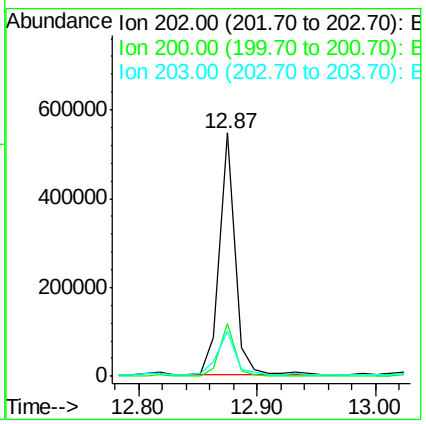


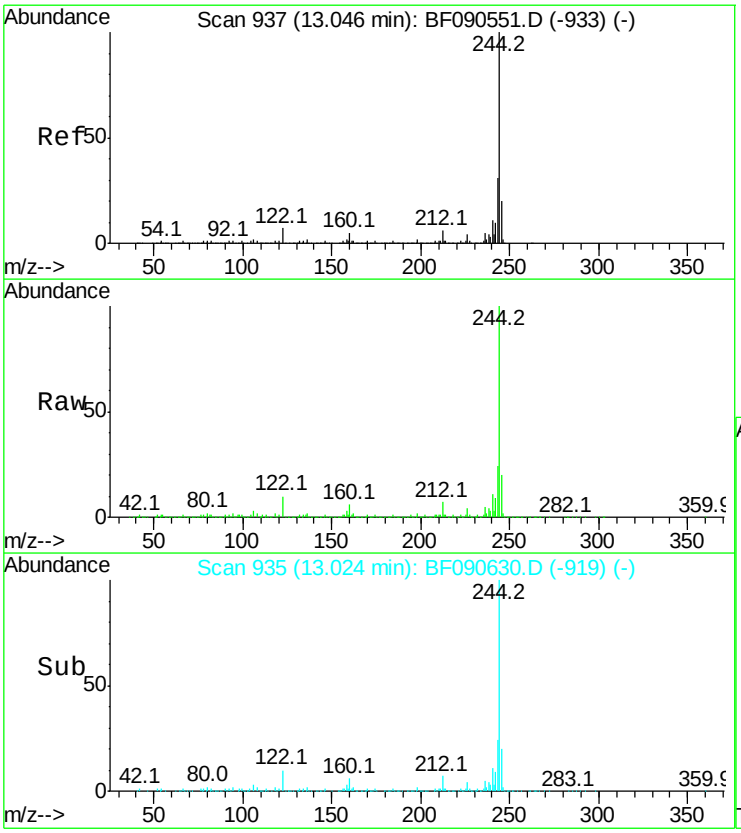
#77
Pyrene
Concen: 14.45 ng
RT: 12.87 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF090630.D
Acq: 18 Oct 2016 16:18

Instrument :
BNA_F
ClientSampleId :
SP-3-1

Tgt Ion:202 Resp: 493499

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.8	26.6
203	18.3	14.6	21.8

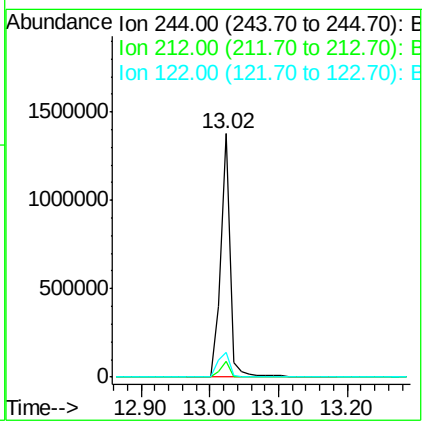


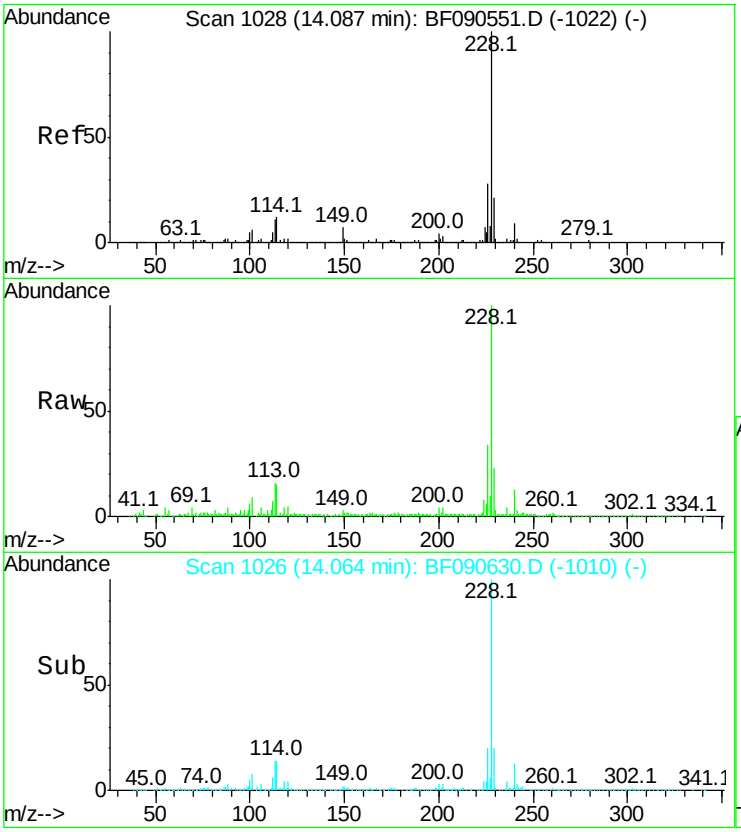


#78
Terphenyl-d14
Concen: 61.07 ng
RT: 13.02 min Scan# 935
Delta R.T. -0.01 min
Lab File: BF090630.D
Acq: 18 Oct 2016 16:18

Tgt Ion:244 Resp: 1352561

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.0	7.4
122	10.1	5.6	8.4#



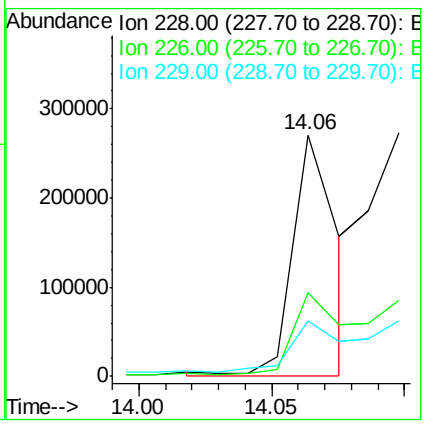


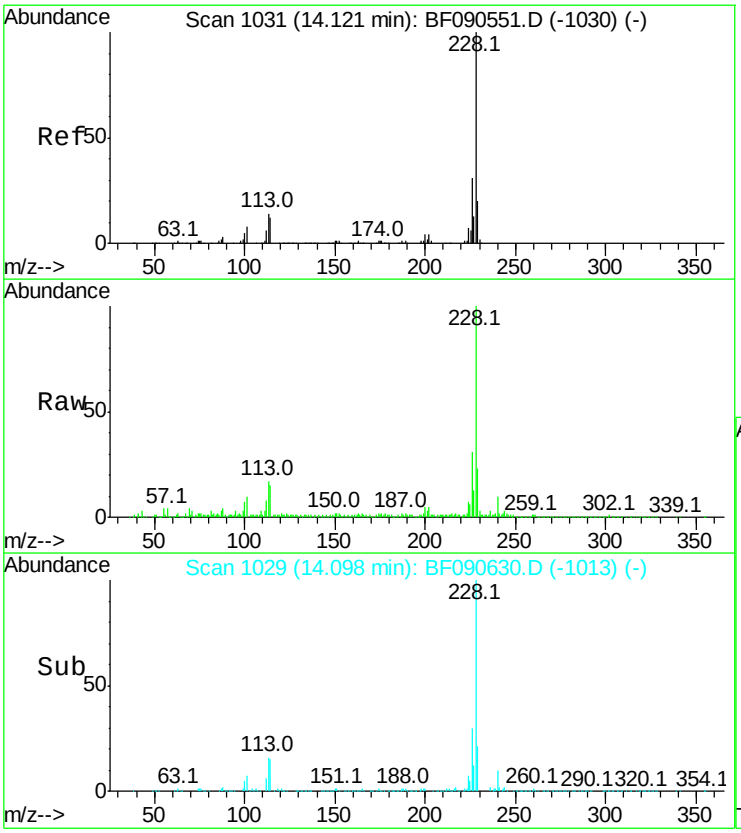
#80
Benzo(a)anthracene
Concen: 10.70 ng m
RT: 14.06 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF090630.D
Acq: 18 Oct 2016 16:18

Instrument :
BNA_F
ClientSampleId :
SP-3-1

Tgt Ion:228 Resp: 313998

Ion	Ratio	Lower	Upper
228	100		
226	34.5	22.8	34.2#
229	22.7	16.6	25.0

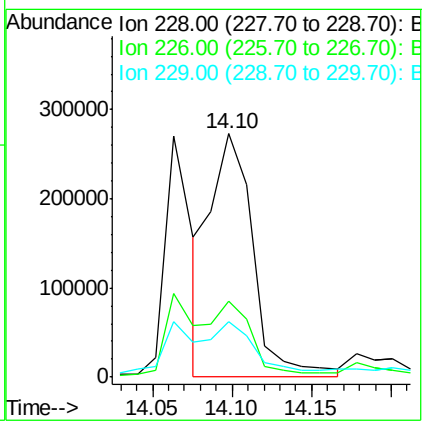


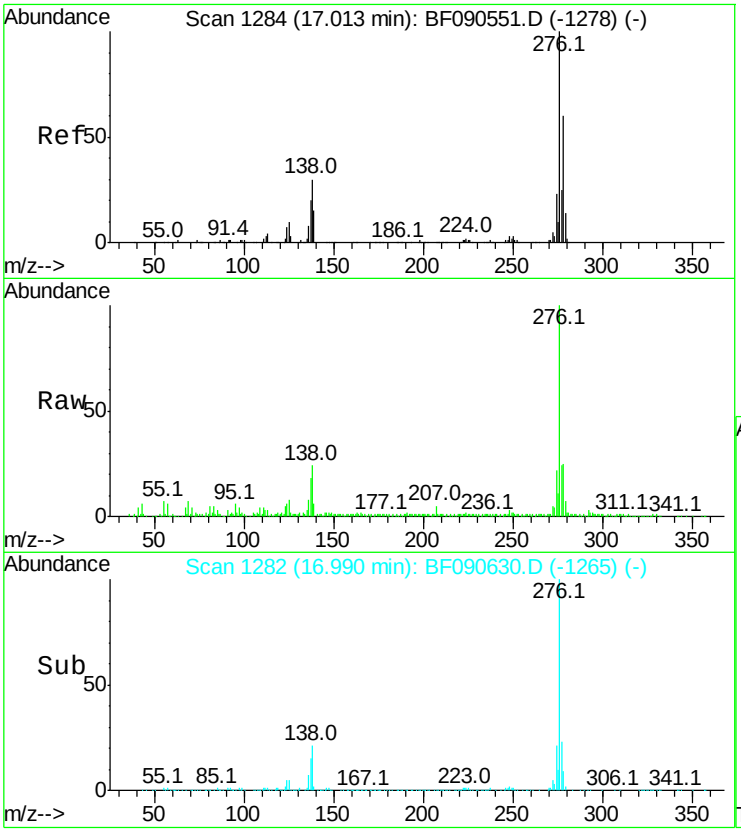


#82
Chrysene
Concen: 18.36 ng m
RT: 14.10 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF090630.D
Acq: 18 Oct 2016 16:18

Tgt Ion:228 Resp: 519244

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.8	37.2
229	22.8	16.2	24.4



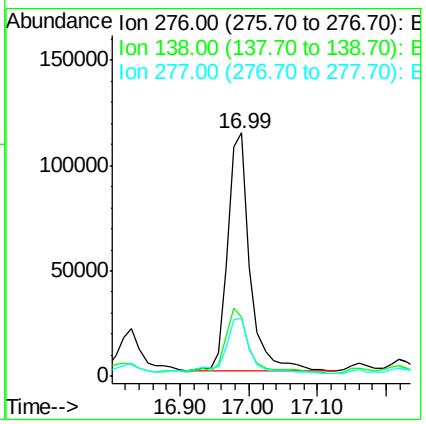


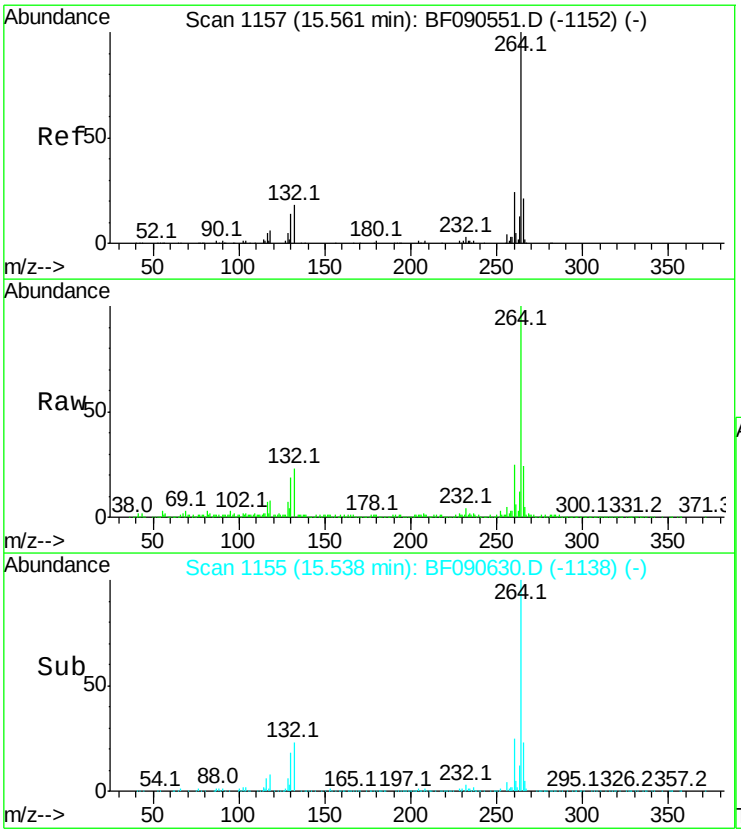
#85
Indeno(1,2,3-cd)pyrene
Concen: 15.86 ng
RT: 16.99 min Scan# 1282
Delta R.T. -0.00 min
Lab File: BF090630.D
Acq: 18 Oct 2016 16:18

Instrument :
BNA_F
ClientSampleId :
SP-3-1

Tgt Ion:276 Resp: 259469

Ion	Ratio	Lower	Upper
276	100		
138	25.6	25.8	38.6#
277	27.5	20.1	30.1

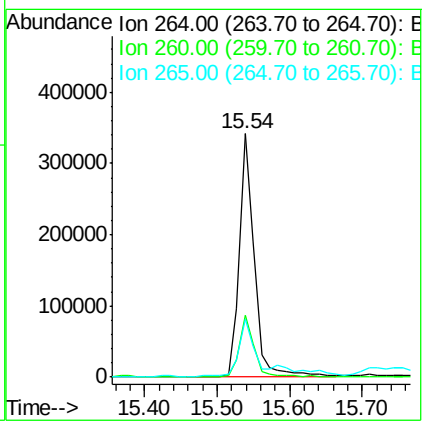


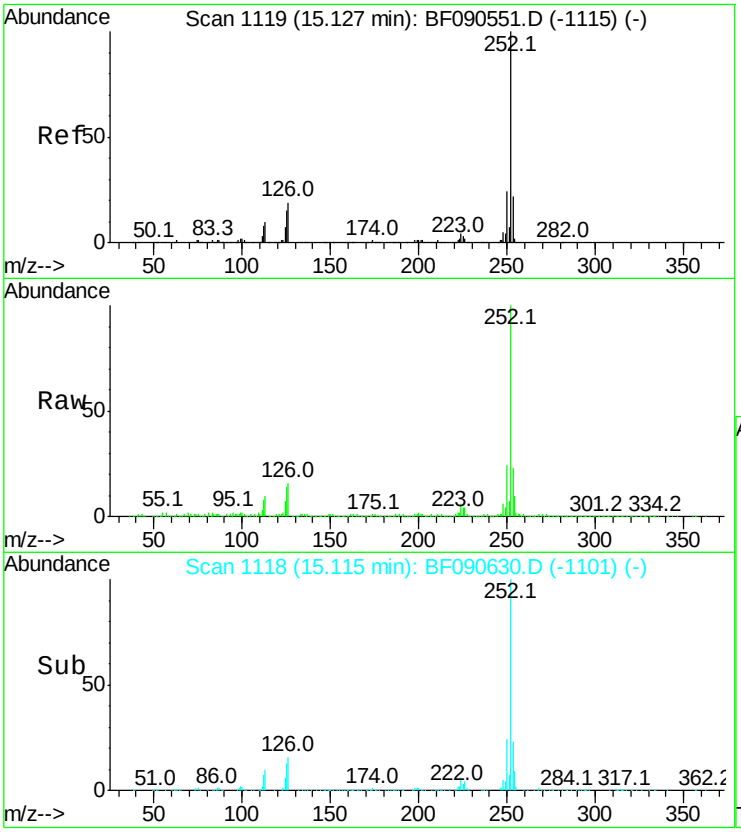


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BF090630.D
Acq: 18 Oct 2016 16:18

Tgt Ion:264 Resp: 488647

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.3	28.9
265	23.6	16.7	25.1



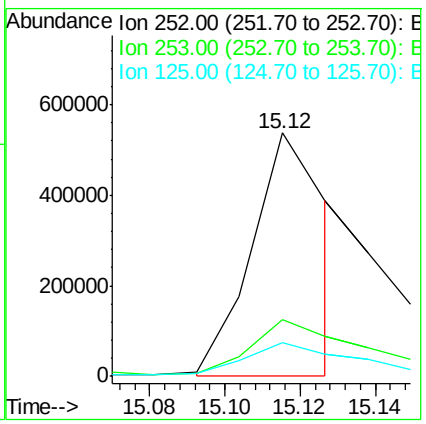


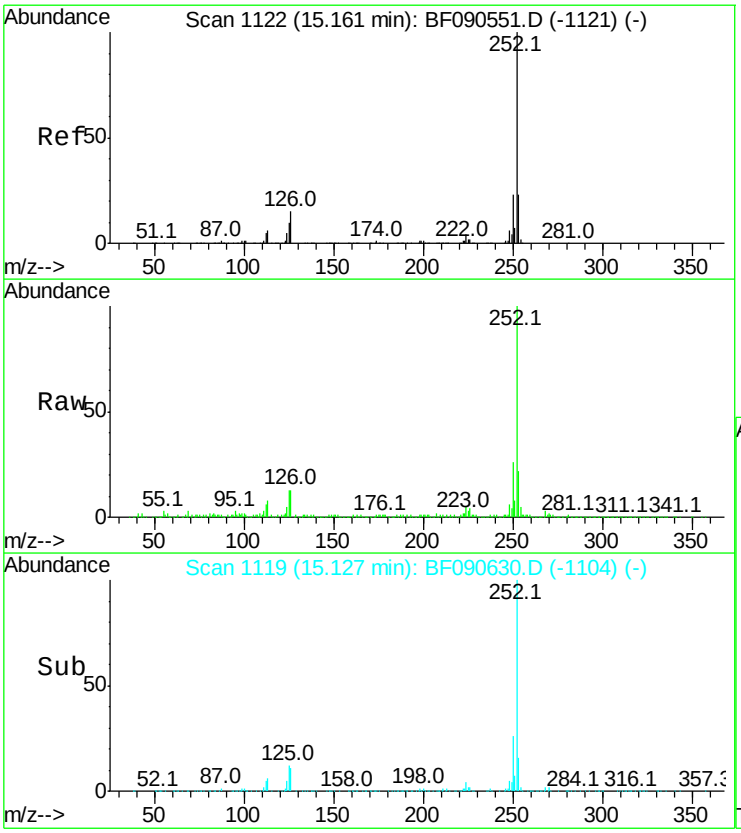
#87
Benzo(b)fluoranthene
Concen: 23.63 ng m
RT: 15.12 min Scan# 1118
Delta R.T. -0.00 min
Lab File: BF090630.D
Acq: 18 Oct 2016 16:18

Instrument :
BNA_F
ClientSampleId :
SP-3-1

Tgt Ion:252 Resp: 755616

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	13.7	12.0	18.0

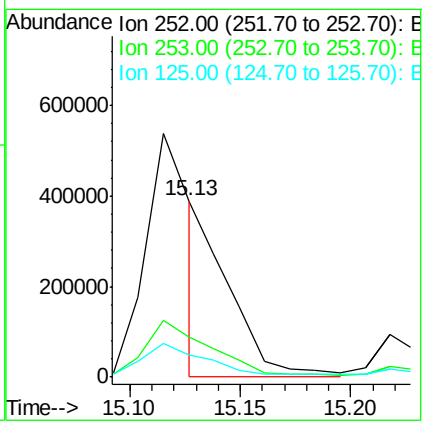


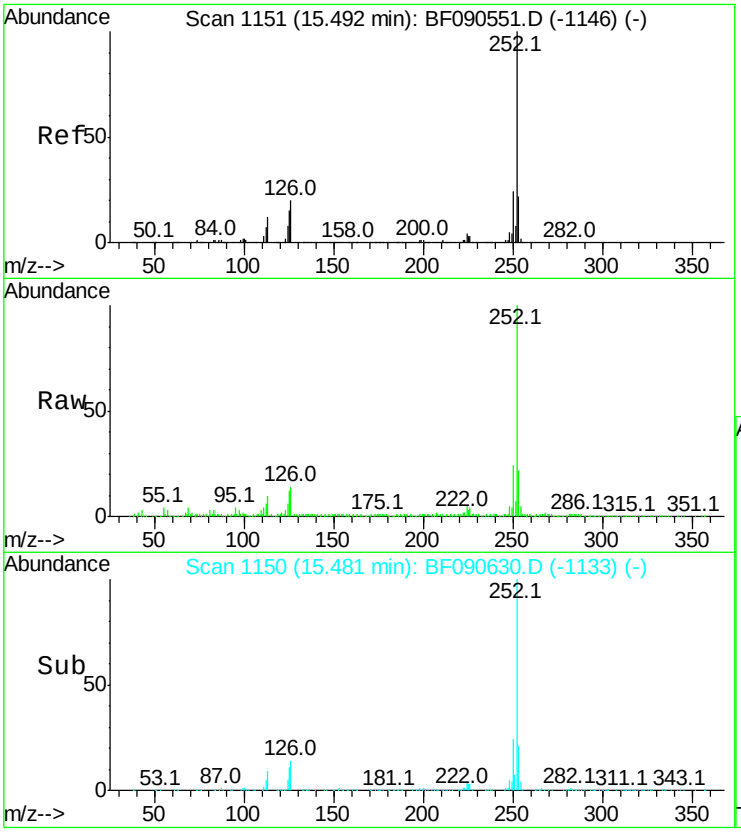


#88
Benzo(k)fluoranthene
Concen: 10.15 ng m
RT: 15.13 min Scan# 1119
Delta R.T. -0.02 min
Lab File: BF090630.D
Acq: 18 Oct 2016 16:18

Tgt Ion:252 Resp: 349123

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	12.6	10.0	15.0



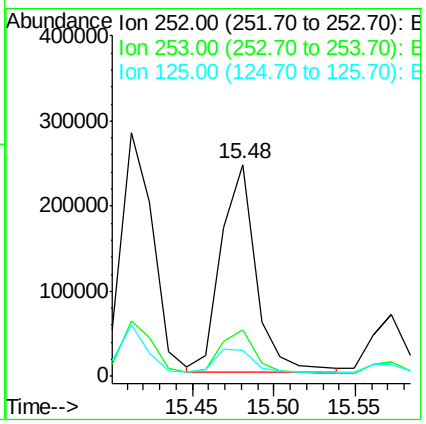


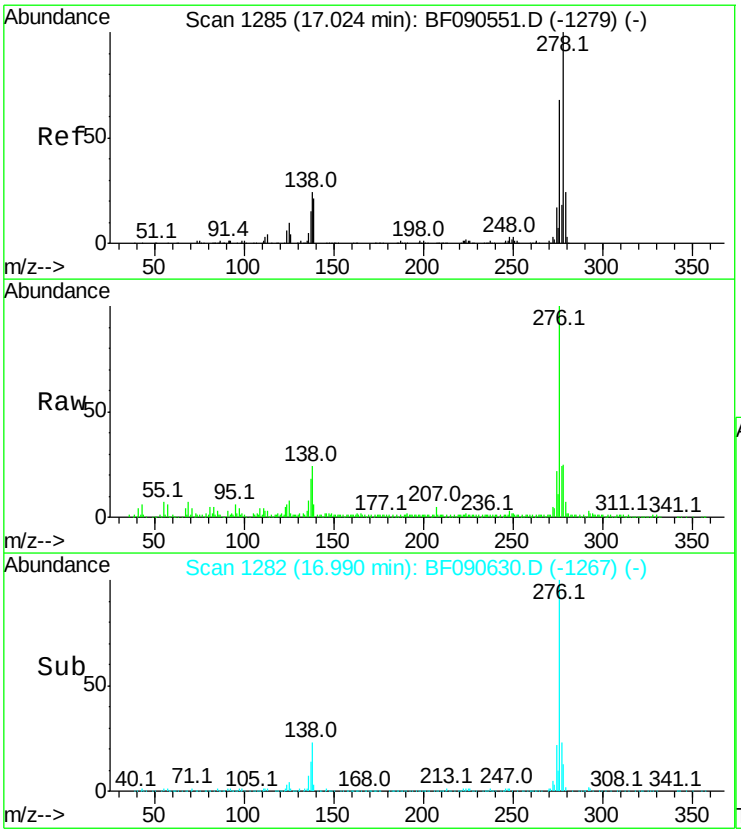
#89
Benzo(a)pyrene
Concen: 12.44 ng
RT: 15.48 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BF090630.D
Acq: 18 Oct 2016 16:18

Instrument :
BNA_F
ClientSampleId :
SP-3-1

Tgt Ion:252 Resp: 364084

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	12.0	12.3	18.5#

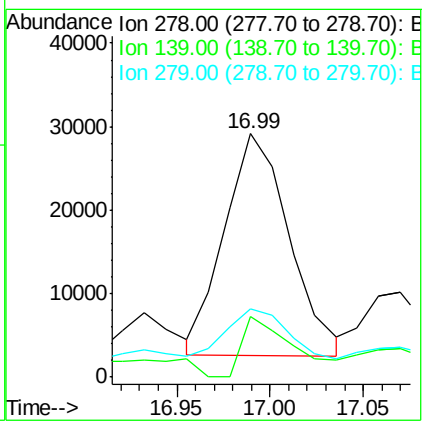


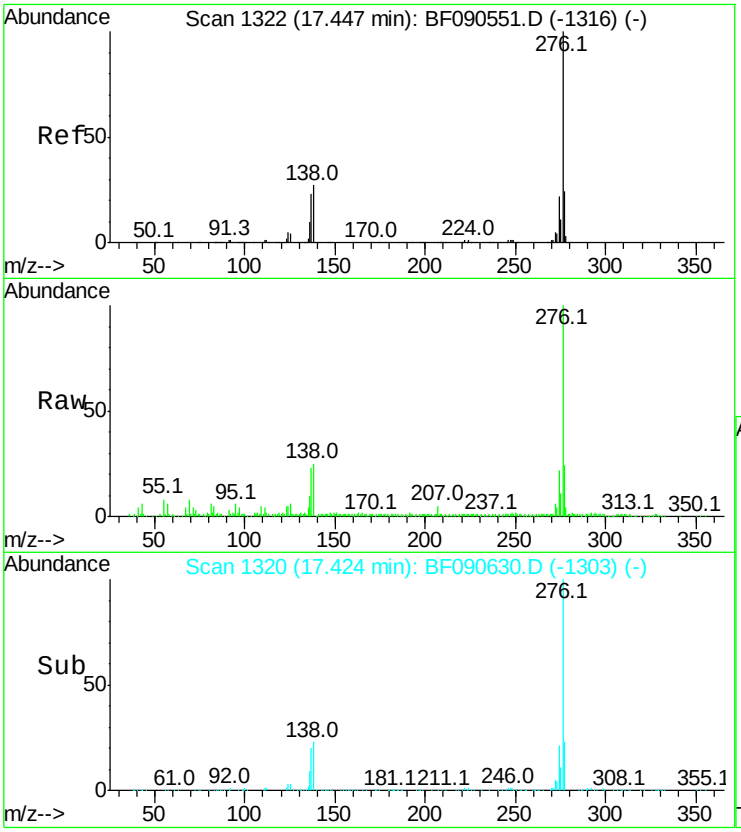


#90
Dibenzo(a,h)anthracene
Concen: 2.89 ng
RT: 16.99 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF090630.D
Acq: 18 Oct 2016 16:18

Tgt Ion:278 Resp: 64450

Ion	Ratio	Lower	Upper
278	100		
139	24.8	16.6	25.0
279	27.8	19.1	28.7





#91
Benzo(g,h,i)perylene
Concen: 10.49 ng
RT: 17.42 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BF090630.D
Acq: 18 Oct 2016 16:18

Instrument :
BNA_F
ClientSampleId :
SP-3-1

Tgt Ion:276 Resp: 223326

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.8	28.2
138	25.3	21.8	32.8