Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092916\
Data File : BF090290.D
Acq On : 29 Sep 2016 13:43
Operator : UM/SJ
Sample : H4982-12 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 30 11:27:20 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 26 15:58:38 2016
Response via : Initial Calibration

Instrument : BNA_F
ClientSampleId : S-33

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	136416	20.00	ng	-0.02
21) Naphthalene-d8	7.75	136	526672	20.00	ng	-0.02
38) Acenaphthene-d10	9.50	164	271992	20.00	ng	-0.01
63) Phenanthrene-d10	10.96	188	340743	20.00	ng	-0.02
75) Chrysene-d12	13.58	240	255546	20.00	ng	-0.02
86) Perylene-d12	14.90	264	208372	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.00	112	383048	45.77	ng	-0.02
7) Phenol-d6	6.11	99	548905	53.11	ng	-0.02
23) Nitrobenzene-d5	7.03	82	298650	32.87	ng	-0.03
41) 2,4,6-Tribromophenol	10.27	330	94847	40.65	ng	-0.02
44) 2-Fluorobiphenyl	8.83	172	587637	42.41	ng	-0.02
78) Terphenyl-d14	12.55	244	358337	35.60	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.23	163	137155	7.92	ng	99
70) Phenanthrene	10.98	178	50558	3.17	ng	99
74) Fluoranthene	12.16	202	150767	8.81	ng	97
77) Pyrene	12.39	202	144158	8.24	ng	97
80) Benzo(a)anthracene	13.57	228	97713	7.11	ng	93
82) Chrysene	13.60	228	70192m	5.24	ng	
85) Indeno(1,2,3-cd)pyrene	16.05	276	46944m	4.34	ng	
87) Benzo(b)fluoranthene	14.56	252	112832m	9.78	ng	
88) Benzo(k)fluoranthene	14.57	252	51873m	4.79	ng	
89) Benzo(a)pyrene	14.86	252	76970	7.09	ng	# 93
91) Benzo(g,h,i)perylene	16.39	276	46730	5.64	ng	94

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092916\
Data File : BF090290.D
Acq On : 29 Sep 2016 13:43
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Sample : H4982-12 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

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ClientSampleId :
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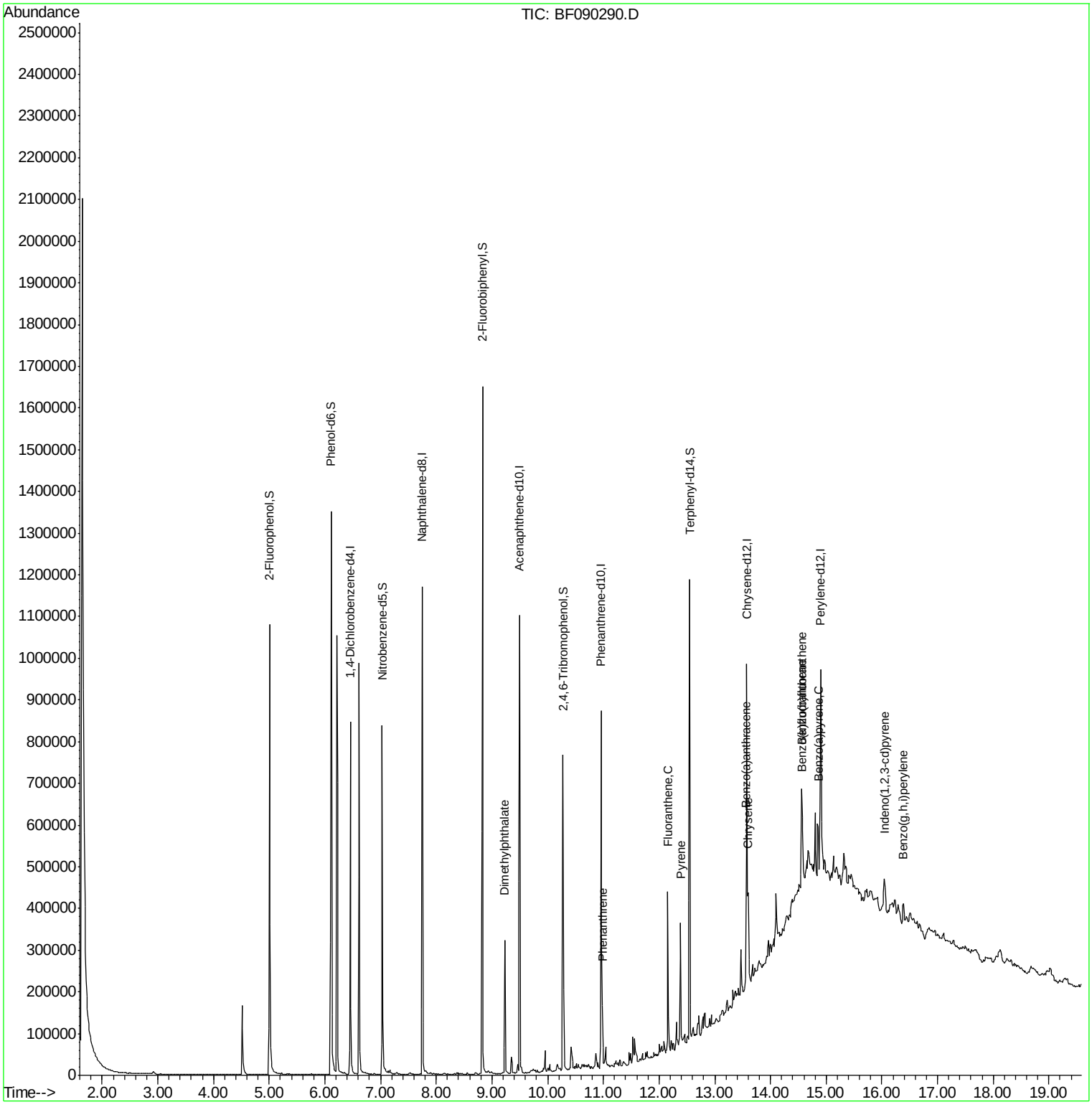
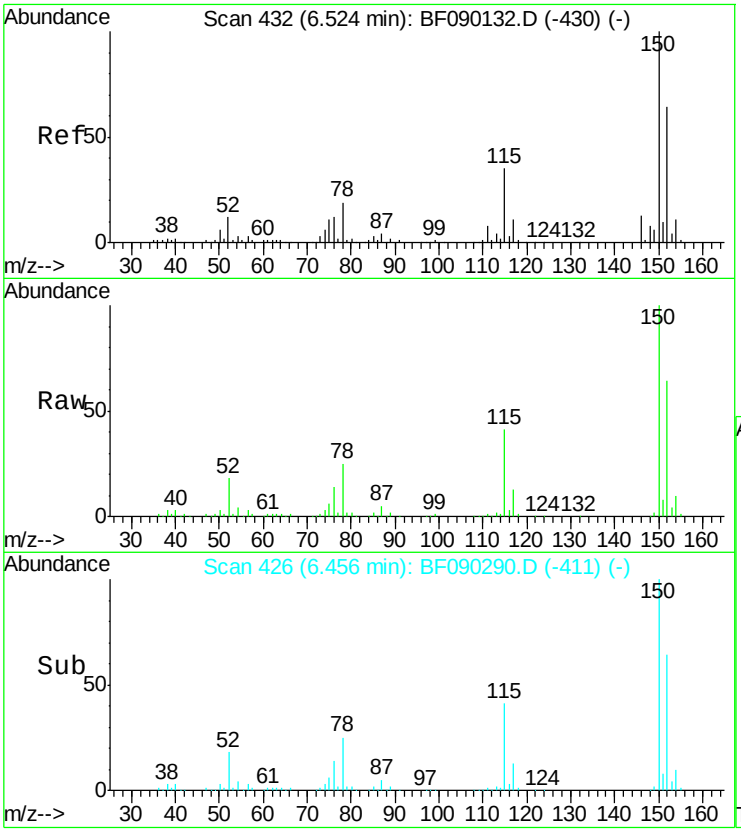
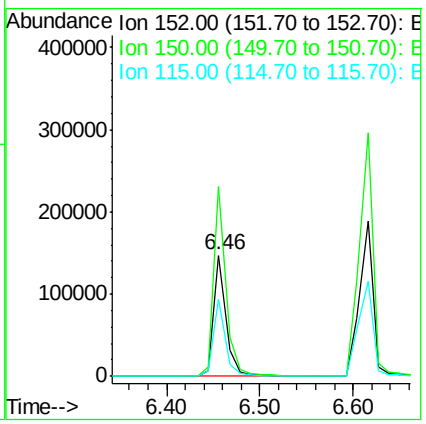




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.46 min Scan# 426
Delta R.T. -0.02 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion:152 Resp: 136416

Ion	Ratio	Lower	Upper
152	100		
150	156.5	128.9	193.3
115	64.3	55.5	83.3



Instrument :
BNA_F
ClientSampleId :
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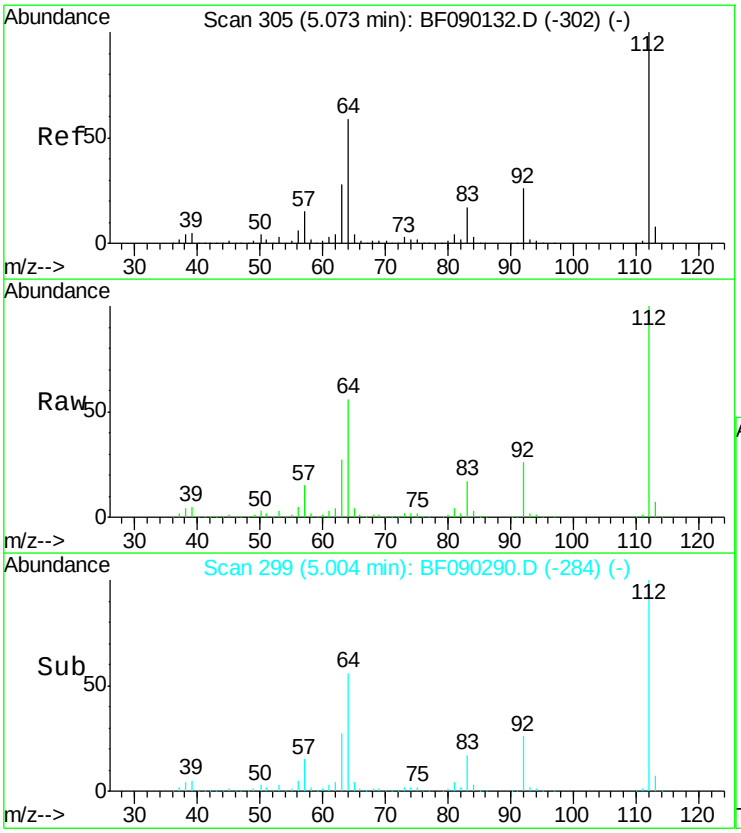
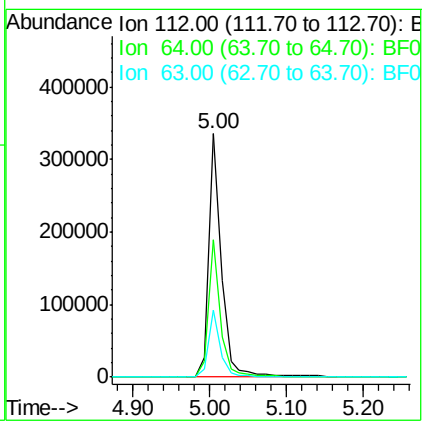
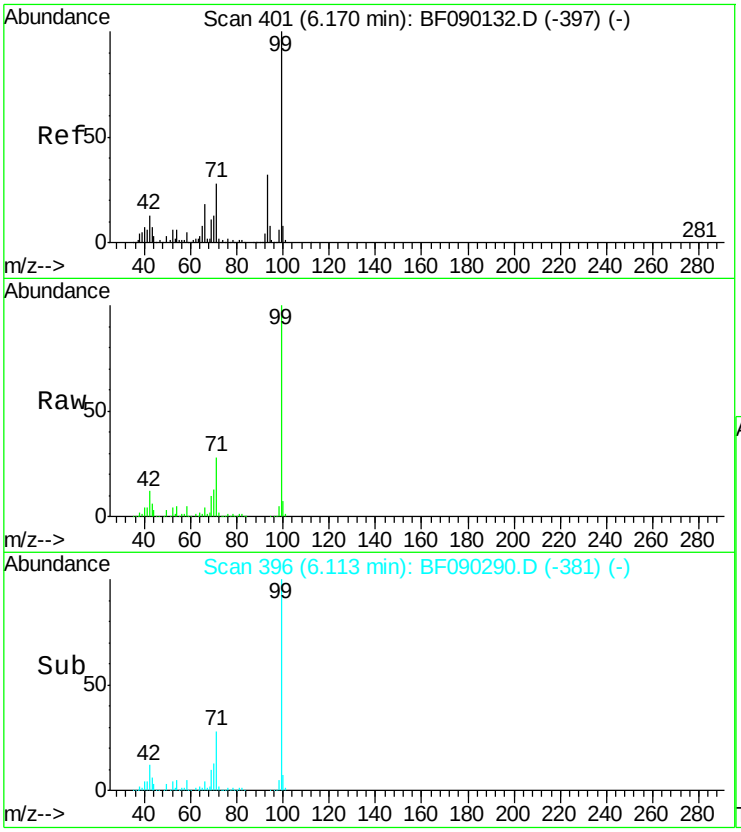


#5
2-Fluorophenol
Concen: 45.77 ng
RT: 5.00 min Scan# 299
Delta R.T. -0.02 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion:112 Resp: 383048

Ion	Ratio	Lower	Upper
112	100		
64	56.2	39.8	59.6
63	27.3	18.9	28.3

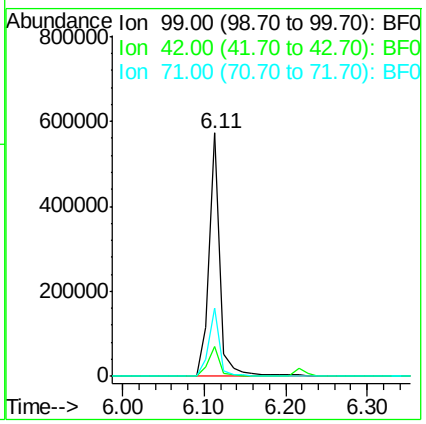




#7
Phenol-d6
Concen: 53.11 ng
RT: 6.11 min Scan# 396
Delta R.T. -0.02 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion: 99 Resp: 548905

Ion	Ratio	Lower	Upper
99	100		
42	12.3	10.6	15.8
71	28.1	23.0	34.6



Instrument :
BNA_F
ClientSampleId :
S-33

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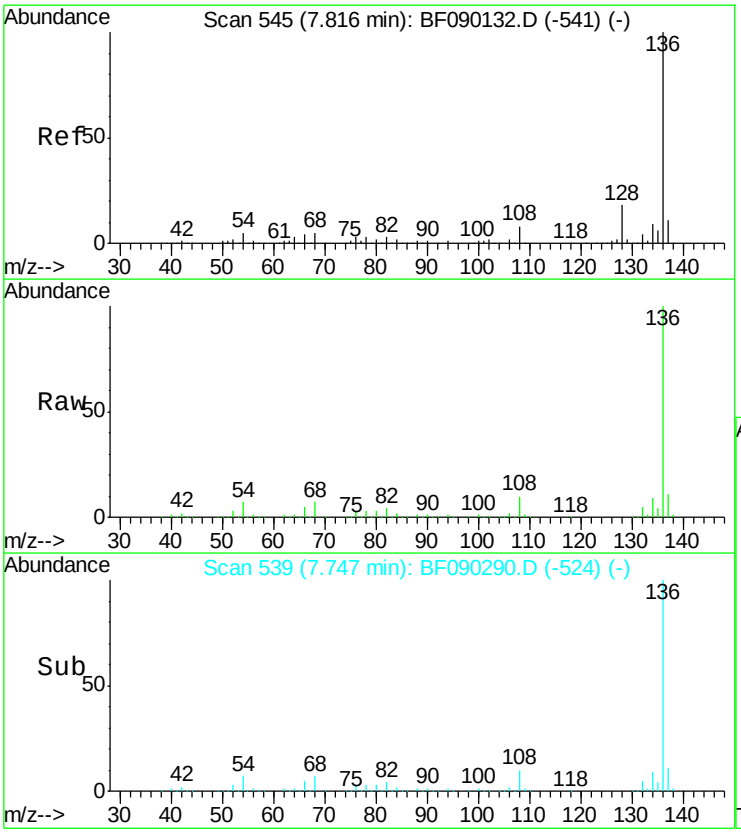
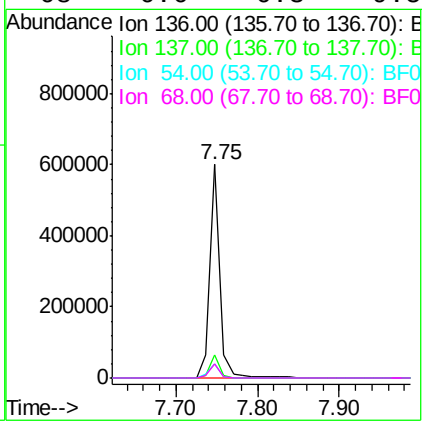
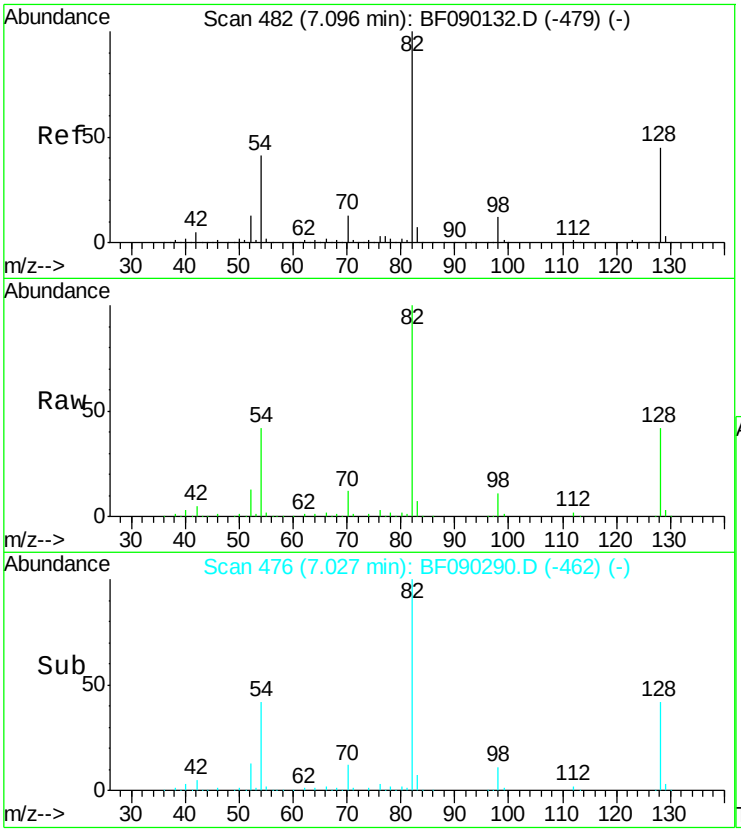


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.75 min Scan# 539
Delta R.T. -0.02 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion:136 Resp: 526672

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	6.8	6.4	9.6
68	6.6	6.3	9.5

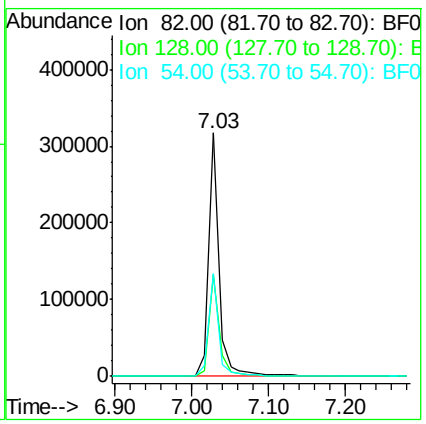




#23
Nitrobenzene-d5
Concen: 32.87 ng
RT: 7.03 min Scan# 476
Delta R.T. -0.03 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion: 82 Resp: 298650

Ion	Ratio	Lower	Upper
82	100		
128	41.9	37.5	56.3
54	42.1	31.9	47.9



Instrument :
BNA_F
ClientSampleId :
S-33

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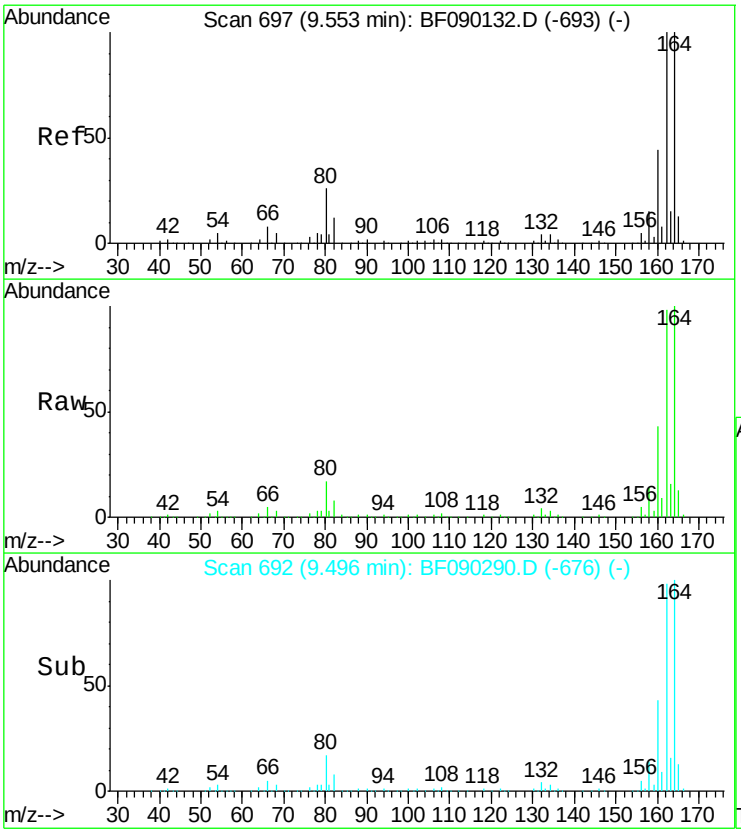
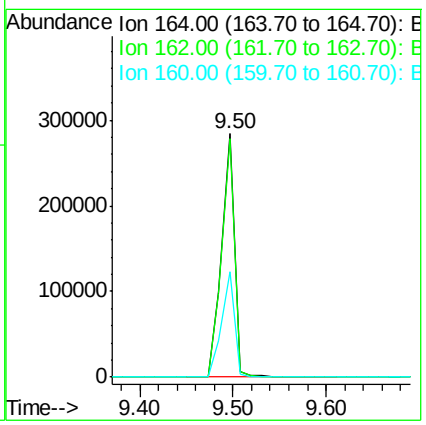
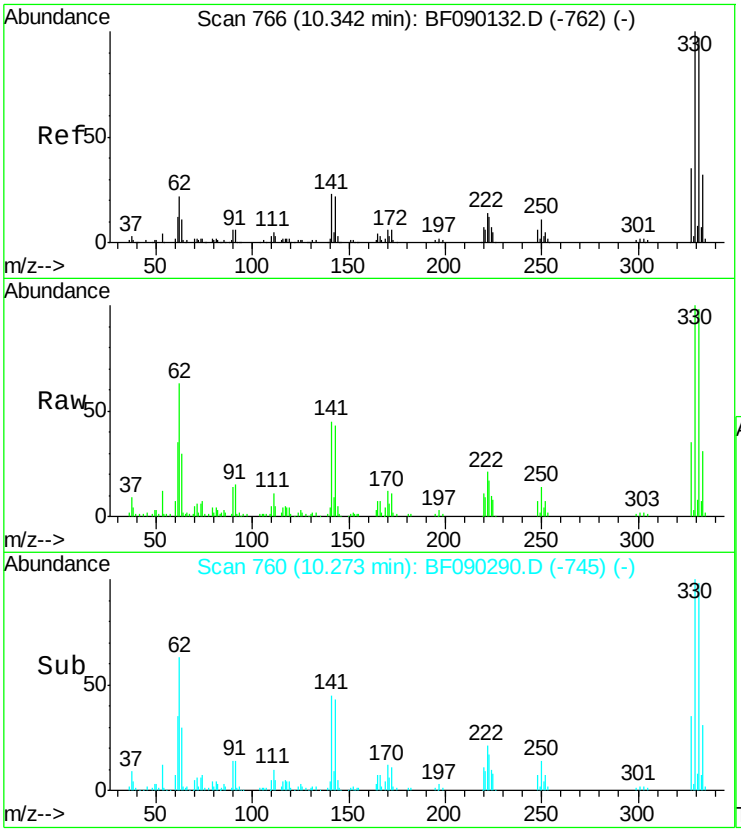


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.50 min Scan# 692
Delta R.T. -0.01 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion:164 Resp: 271992

Ion	Ratio	Lower	Upper
164	100		
162	98.2	81.4	122.2
160	43.5	36.6	54.8

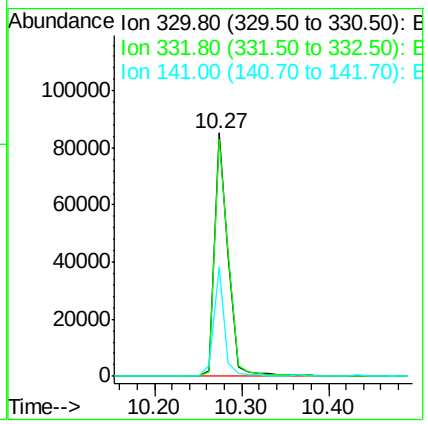




#41
2,4,6-Tribromophenol
Concen: 40.65 ng
RT: 10.27 min Scan# 760
Delta R.T. -0.02 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion:330 Resp: 94847

Ion	Ratio	Lower	Upper
330	100		
332	99.0	78.1	117.1
141	36.0	23.9	35.9#



Instrument :
BNA_F
ClientSampleId :
S-33

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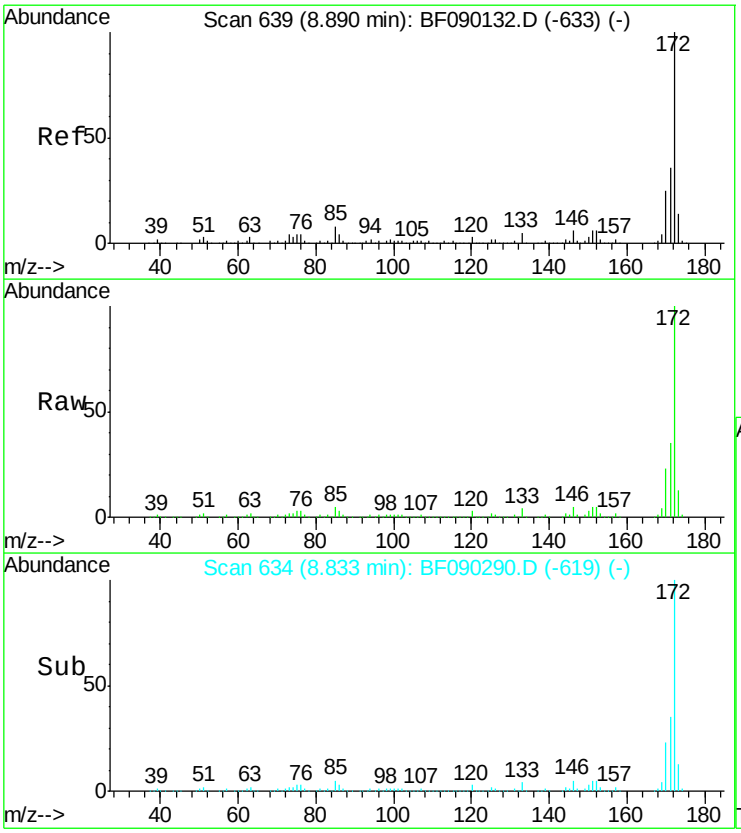
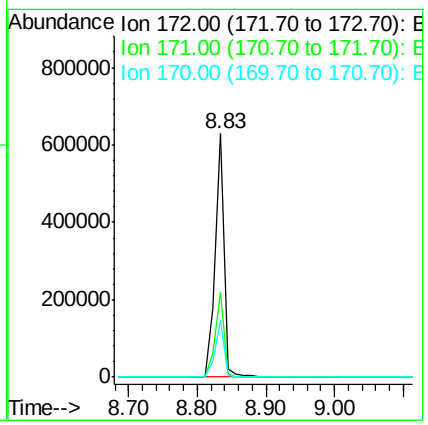
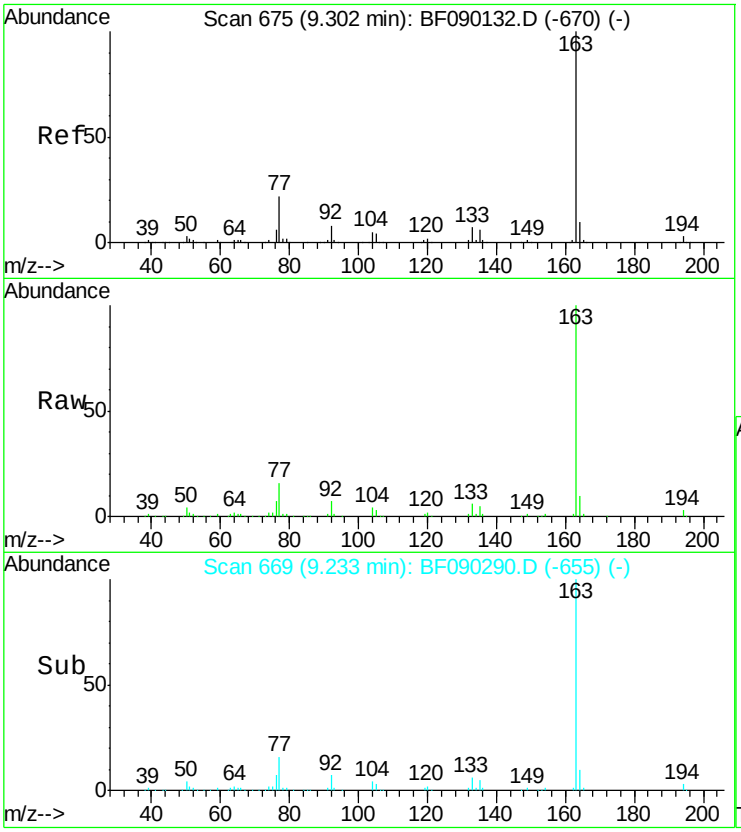


#44
2-Fluorobiphenyl
Concen: 42.41 ng
RT: 8.83 min Scan# 634
Delta R.T. -0.02 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion:172 Resp: 587637

Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.2	43.8
170	23.1	19.8	29.8

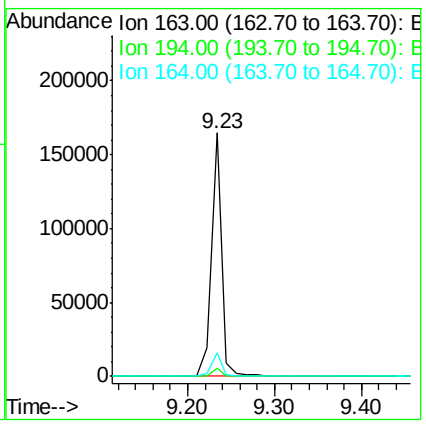




#49
Dimethylphthalate
Concen: 7.92 ng
RT: 9.23 min Scan# 669
Delta R.T. -0.03 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion:163 Resp: 137155

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.8	4.2
164	9.8	8.1	12.1



Instrument :
BNA_F
ClientSampleId :
S-33

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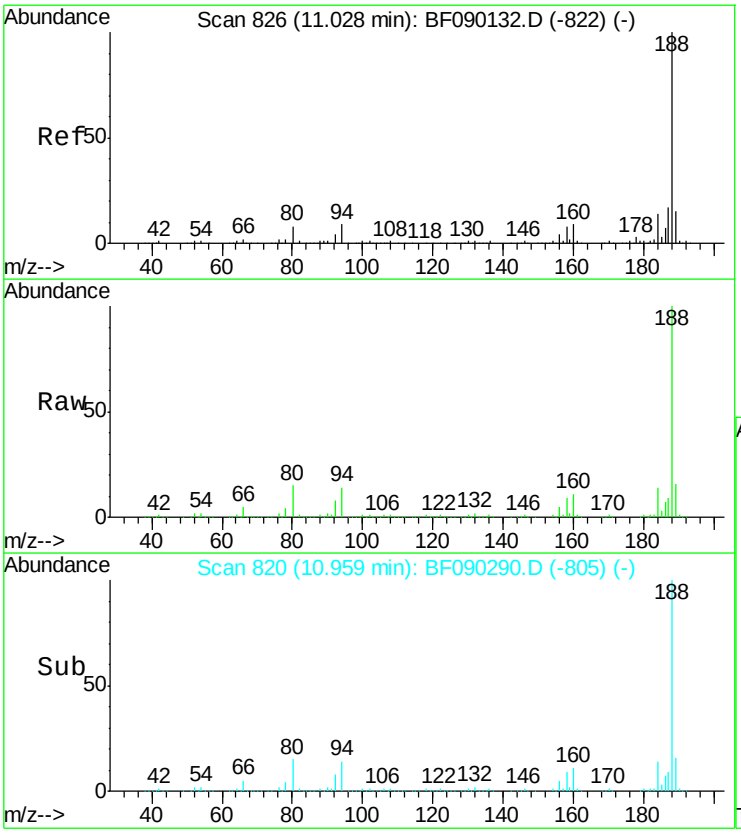
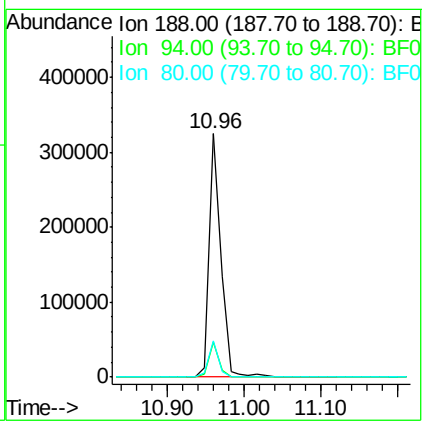
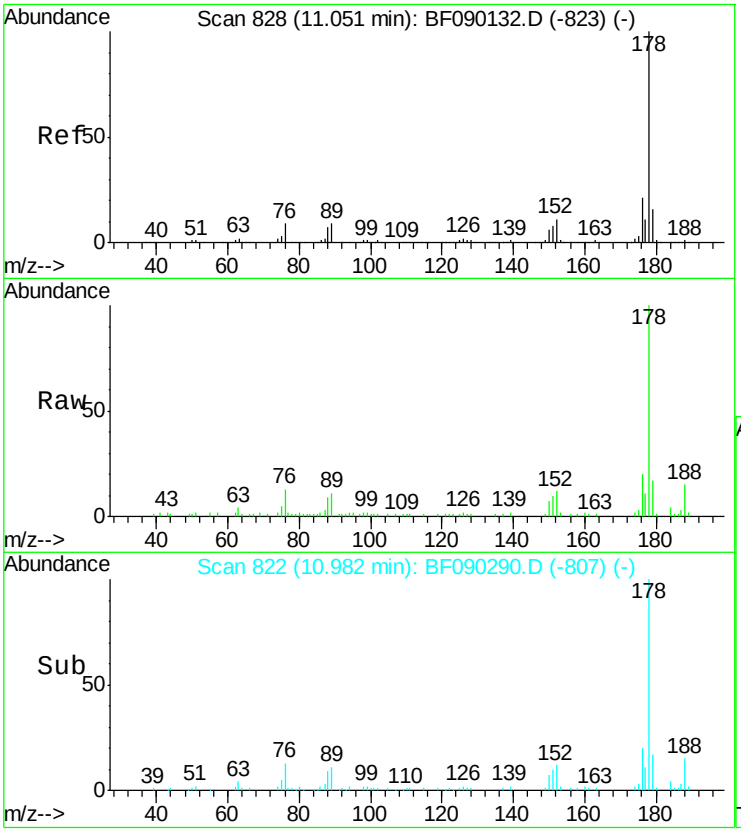


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.96 min Scan# 820
Delta R.T. -0.02 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion:188 Resp: 340743

Ion	Ratio	Lower	Upper
188	100		
94	14.2	10.5	15.7
80	15.0	11.2	16.8

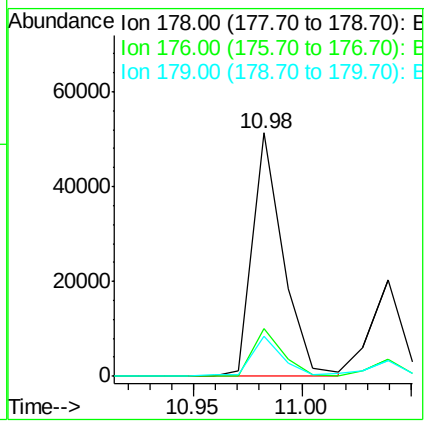




#70
Phenanthrene
Concen: 3.17 ng
RT: 10.98 min Scan# 822
Delta R.T. -0.02 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion:178 Resp: 50558

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.9	23.9
179	16.7	12.9	19.3



Instrument :
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ClientSampleId :
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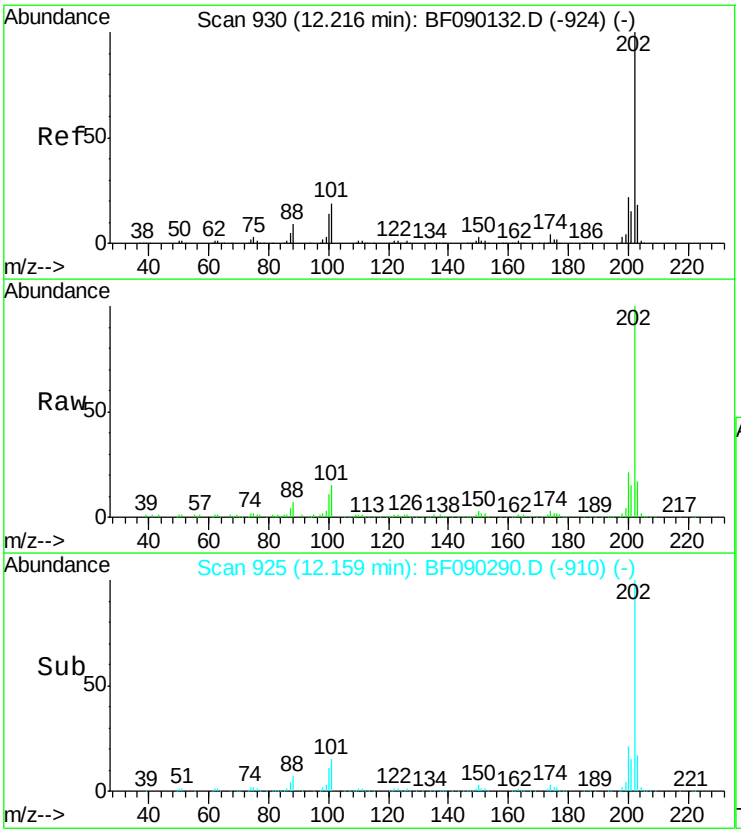
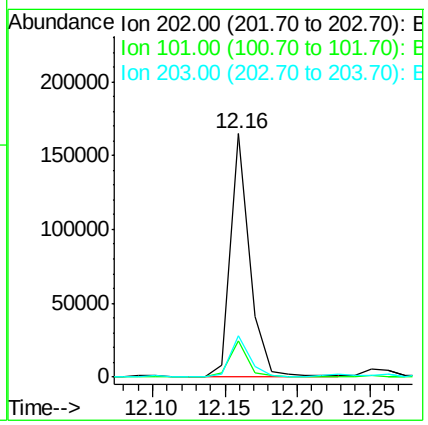
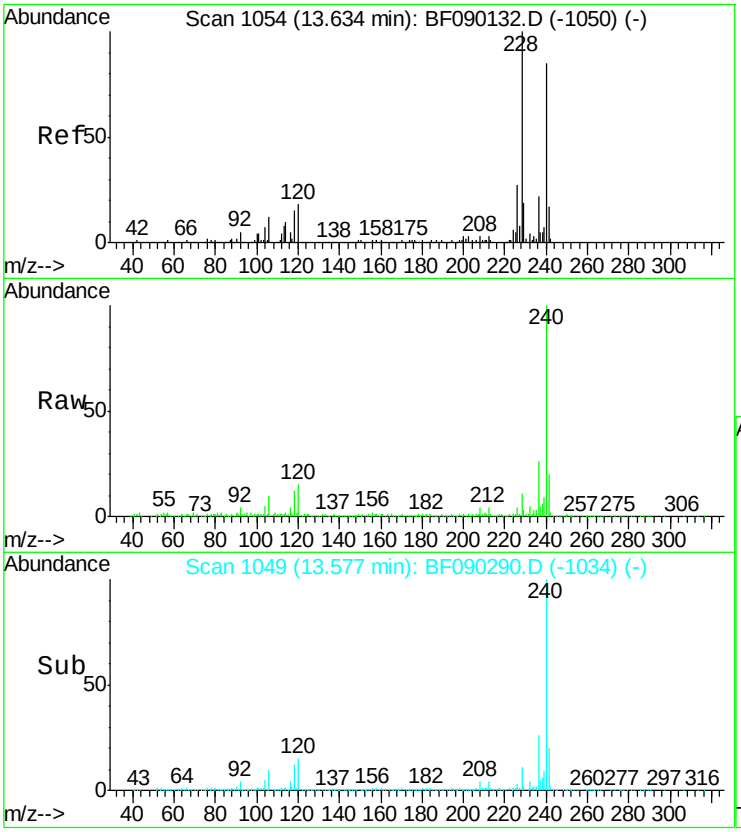


#74
Fluoranthene
Concen: 8.81 ng
RT: 12.16 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion:202 Resp: 150767

Ion	Ratio	Lower	Upper
202	100		
101	14.7	0.0	36.1
203	17.1	0.0	38.2

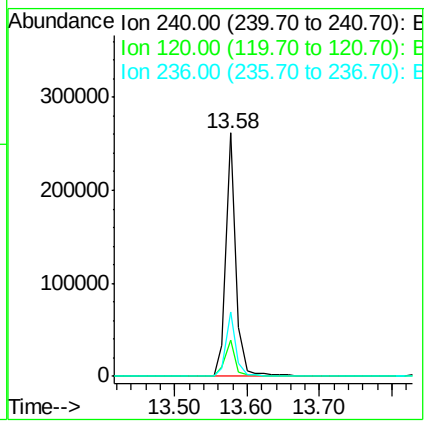




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.58 min Scan# 1049
Delta R.T. -0.02 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion:240 Resp: 255546

Ion	Ratio	Lower	Upper
240	100		
120	14.9	10.6	16.0
236	26.4	21.6	32.4



Instrument :
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ClientSampleId :
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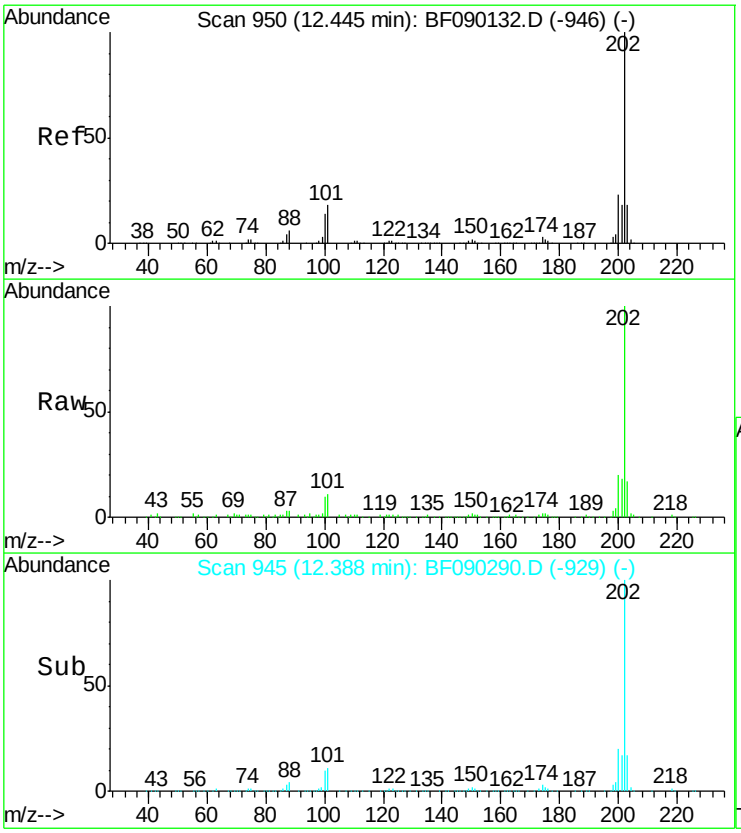
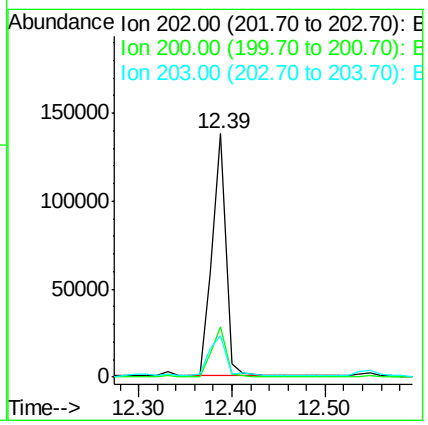
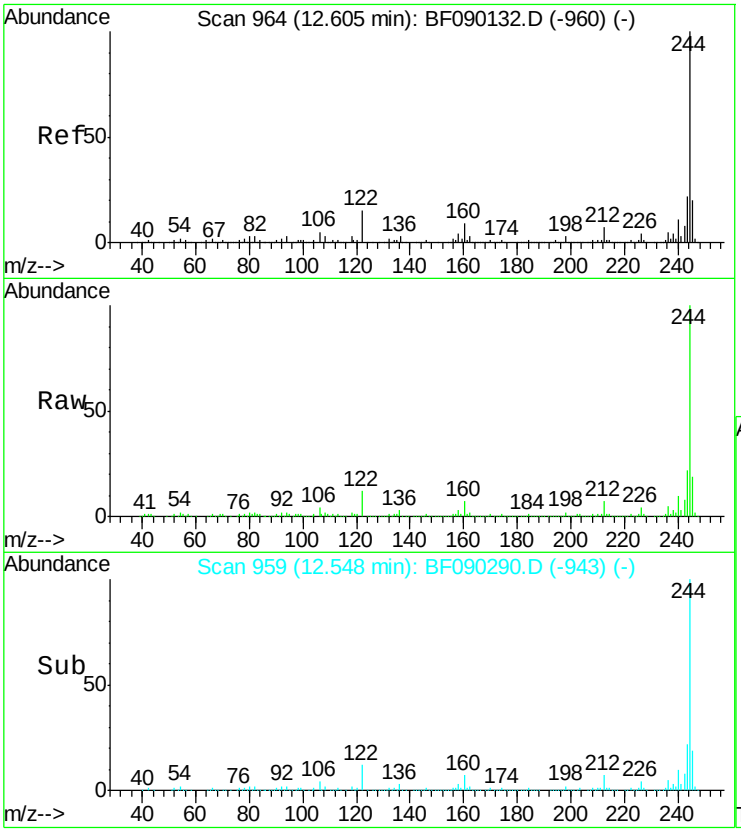


#77
Pyrene
Concen: 8.24 ng
RT: 12.39 min Scan# 945
Delta R.T. -0.01 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion:202 Resp: 144158

Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.9	26.9
203	16.9	14.2	21.4

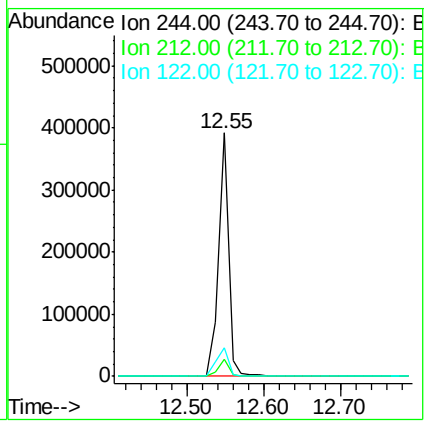




#78
Terphenyl-d14
Concen: 35.60 ng
RT: 12.55 min Scan# 959
Delta R.T. -0.01 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion:244 Resp: 358337

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	11.6	9.4	14.0



Instrument :
BNA_F
ClientSampleId :
S-33

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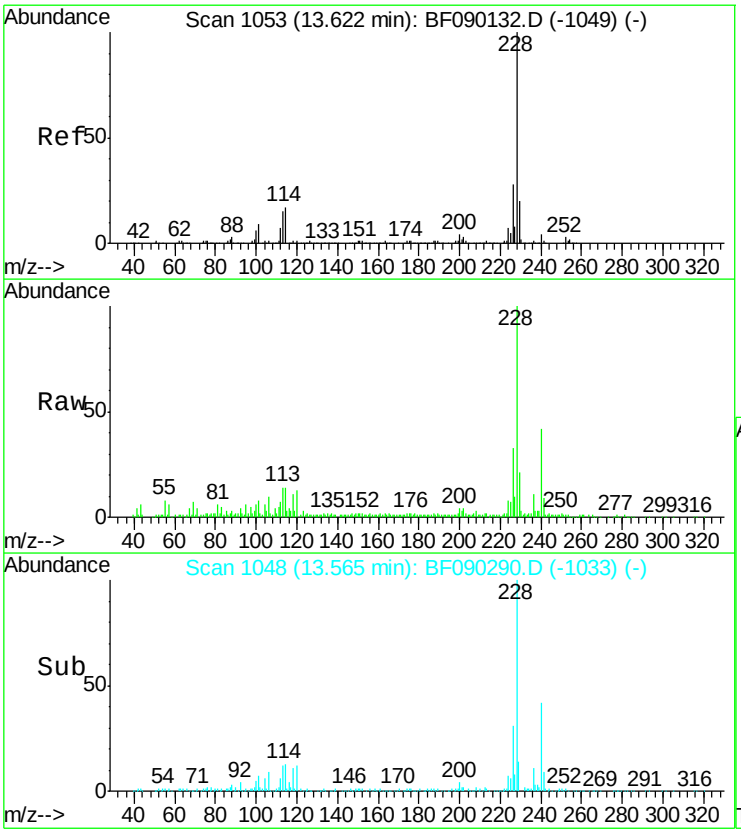
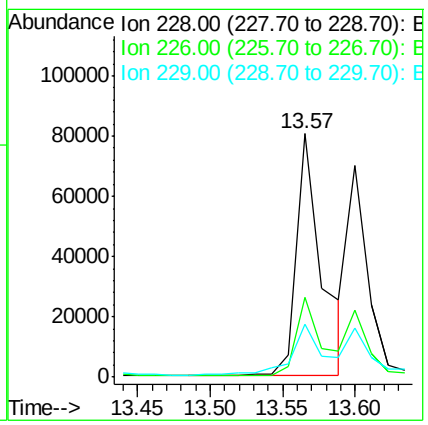
9/30/2016 3:59:47 PM

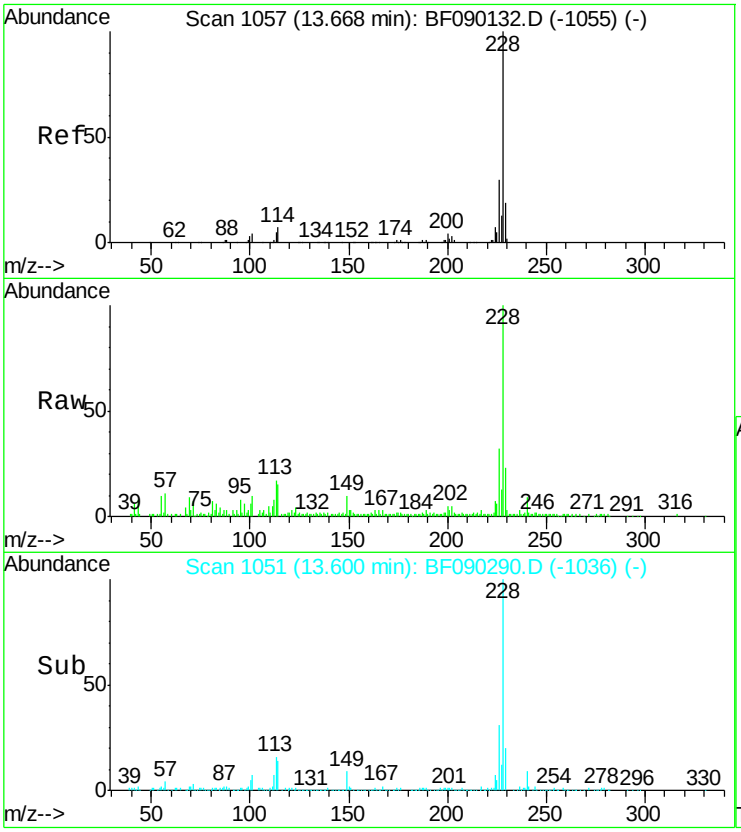


#80
Benzo(a)anthracene
Concen: 7.11 ng
RT: 13.57 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion:228 Resp: 97713

Ion	Ratio	Lower	Upper
228	100		
226	32.6	22.0	33.0
229	21.5	16.2	24.2

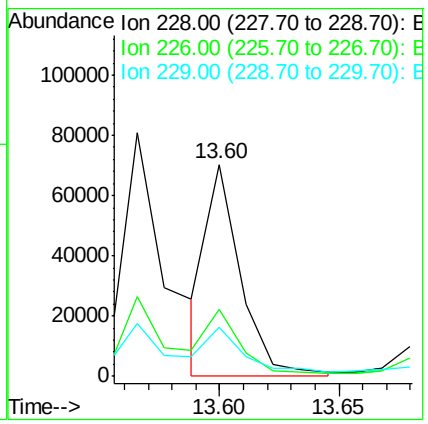




#82
Chrysene
Concen: 5.24 ng m
RT: 13.60 min Scan# 1051
Delta R.T. -0.02 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion:228 Resp: 70192

Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.6	37.0
229	22.9	16.2	24.4



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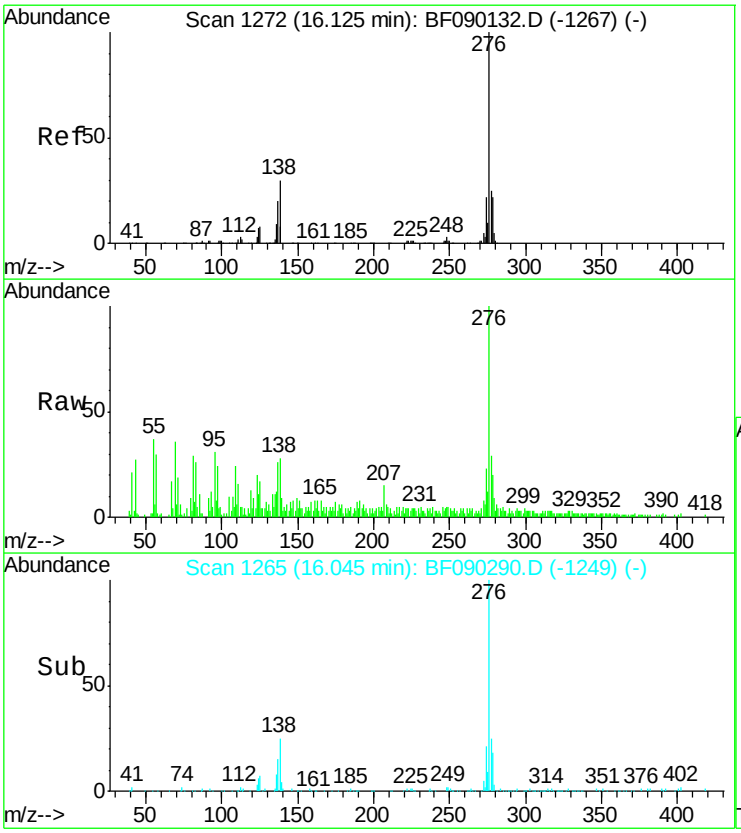
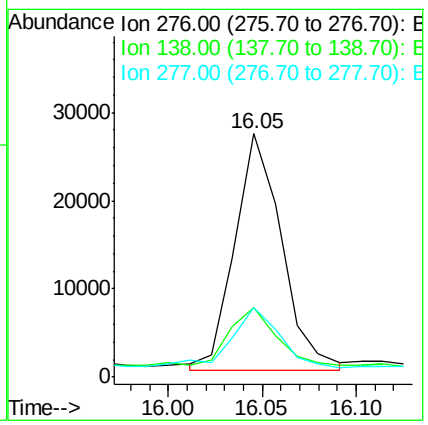
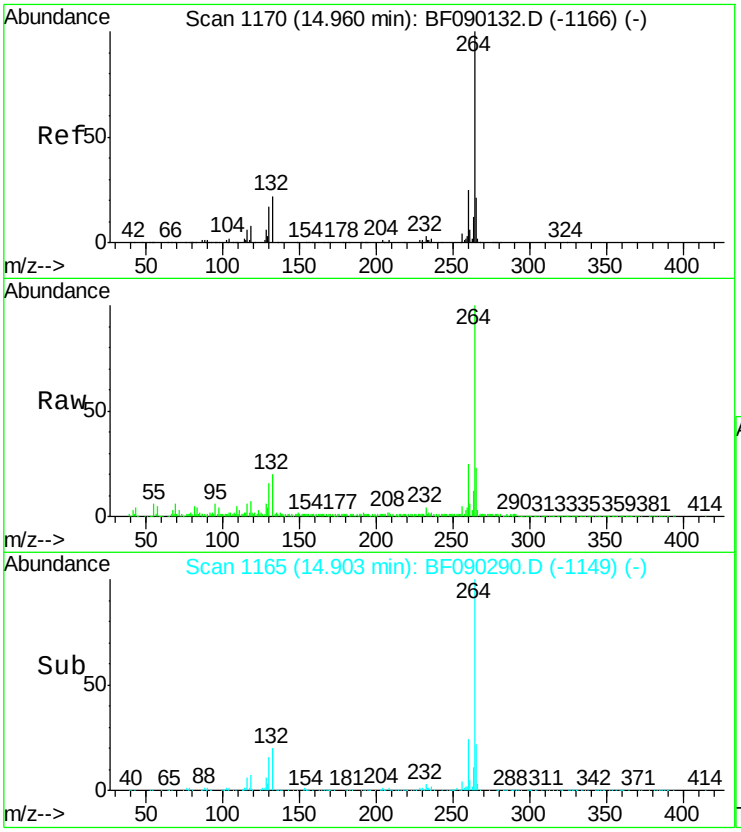


#85
Indeno(1,2,3-cd)pyrene
Concen: 4.34 ng m
RT: 16.05 min Scan# 1265
Delta R.T. -0.01 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion:276 Resp: 46944

Ion	Ratio	Lower	Upper
276	100		
138	7.0	25.9	38.9#
277	4.6	19.9	29.9#

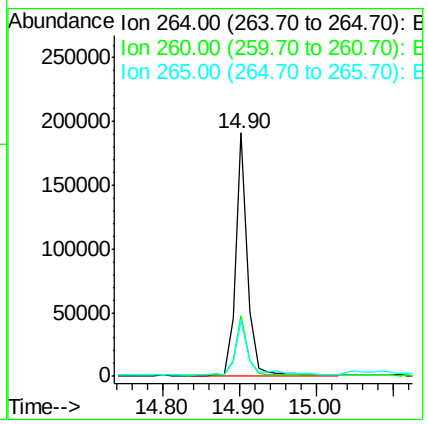




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.90 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion:264 Resp: 208372

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	23.0	17.0	25.4



Instrument :
BNA_F
ClientSampleId :
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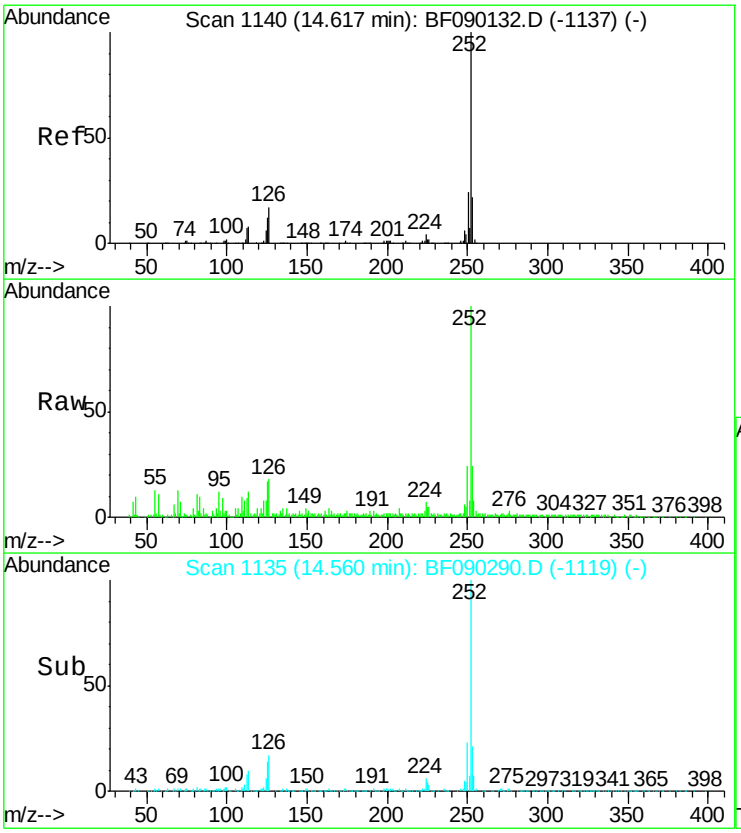
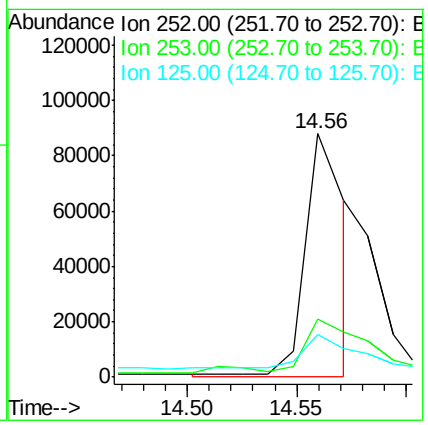
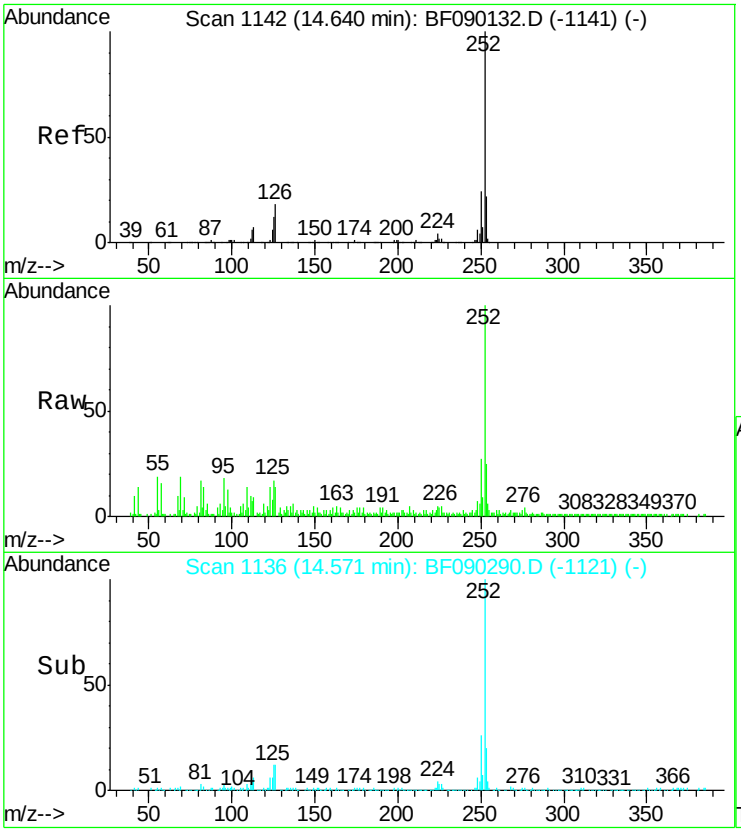


#87
Benzo(b)fluoranthene
Concen: 9.78 ng m
RT: 14.56 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion:252 Resp: 112832

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	17.4	12.7	19.1

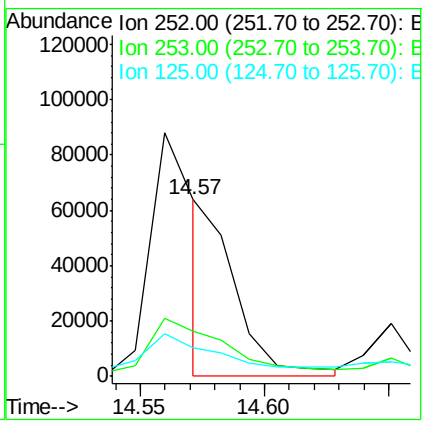




#88
Benzo(k)fluoranthene
Concen: 4.79 ng m
RT: 14.57 min Scan# 1136
Delta R.T. -0.02 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion:252 Resp: 51873

Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.8	26.8
125	16.5	7.8	11.6#



Instrument :
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ClientSampleId :
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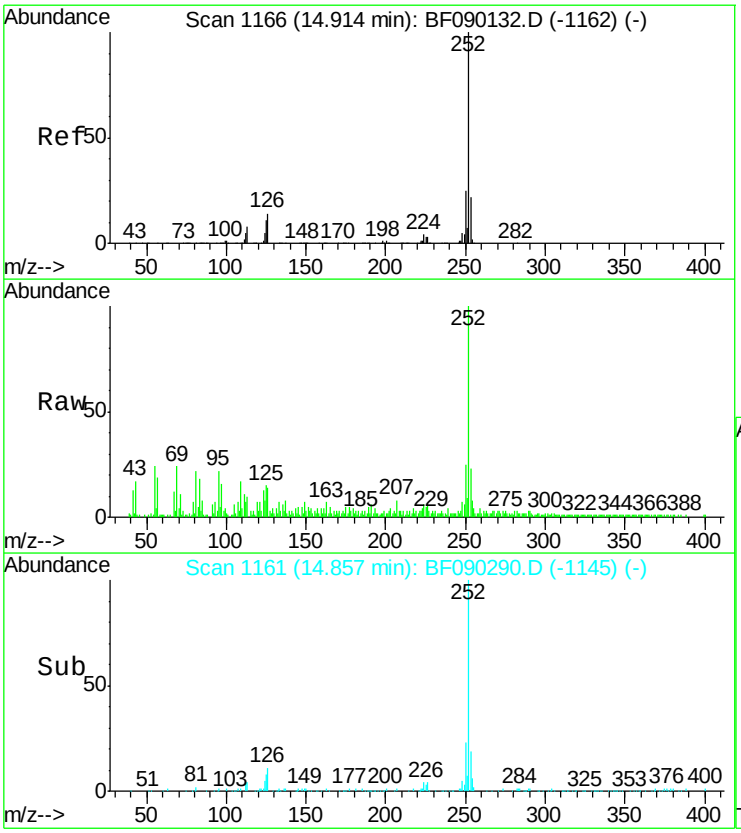
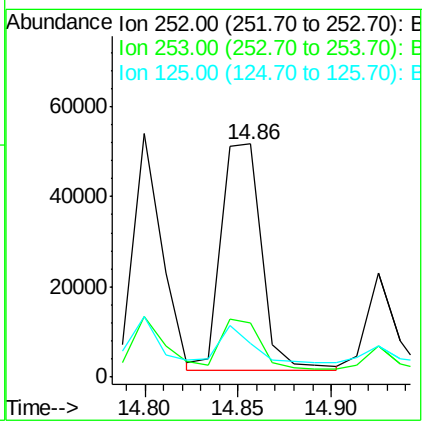
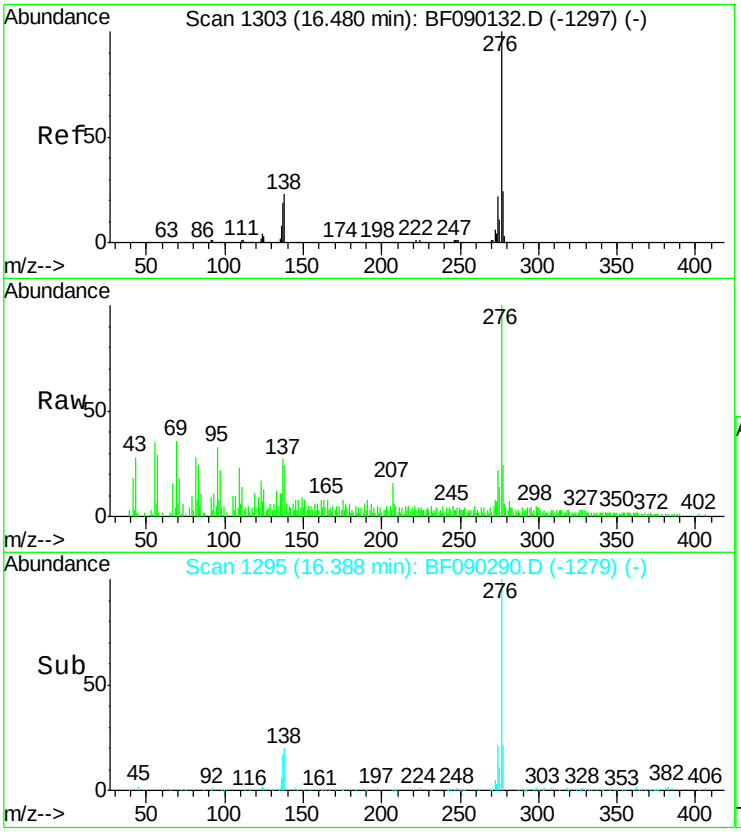


#89
Benzo(a)pyrene
Concen: 7.09 ng
RT: 14.86 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion:252 Resp: 76970

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.0
125	14.6	7.7	11.5#

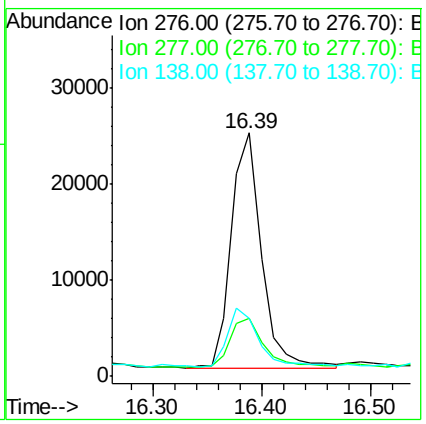




#91
Benzo(g,h,i)perylene
Concen: 5.64 ng
RT: 16.39 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF090290.D
Acq: 29 Sep 2016 13:43

Tgt Ion:276 Resp: 46730

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.9	28.3
138	23.9	23.3	34.9



Instrument :
BNA_F
ClientSampleId :
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