Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\
Data File : BF090595.D
Acq On : 15 Oct 2016 8:56
Operator : UM/SJ
Sample : H5227-02 2X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Oct 17 01:21:11 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 14 12:44:45 2016
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
2

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	244648	20.00	ng		0.00
21) Naphthalene-d8	8.20	136	957769	20.00	ng		-0.01
38) Acenaphthene-d10	9.96	164	470331	20.00	ng		-0.01
63) Phenanthrene-d10	11.45	188	608766	20.00	ng		-0.01
75) Chrysene-d12	14.09	240	517711	20.00	ng		-0.01
86) Perylene-d12	15.56	264	453145	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.53	112	803336	60.20	ng		0.00
7) Phenol-d6	6.54	99	1054299	53.17	ng		-0.01
23) Nitrobenzene-d5	7.48	82	691970	40.13	ng		-0.01
41) 2,4,6-Tribromophenol	10.75	330	153542	36.62	ng		-0.01
44) 2-Fluorobiphenyl	9.29	172	951422	33.33	ng		0.00
78) Terphenyl-d14	13.04	244	691016	31.08	ng		-0.01
Target Compounds							Qvalue
49) Dimethylphthalate	9.67	163	202548	6.64	ng		99
70) Phenanthrene	11.47	178	165853	5.10	ng		98
74) Fluoranthene	12.66	202	272142	8.33	ng		92
77) Pyrene	12.89	202	223412	6.52	ng		98
80) Benzo(a)anthracene	14.09	228	136912m	4.65	ng		
82) Chrysene	14.12	228	130006m	4.58	ng		
85) Indeno(1,2,3-cd)pyrene	17.00	276	55843	3.40	ng	#	90
87) Benzo(b)fluoranthene	15.13	252	131443m	4.43	ng		
88) Benzo(k)fluoranthene	15.14	252	91160m	2.86	ng		
89) Benzo(a)pyrene	15.49	252	113620	4.19	ng		97
91) Benzo(g,h,i)perylene	17.44	276	54807	2.78	ng	#	92

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

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2

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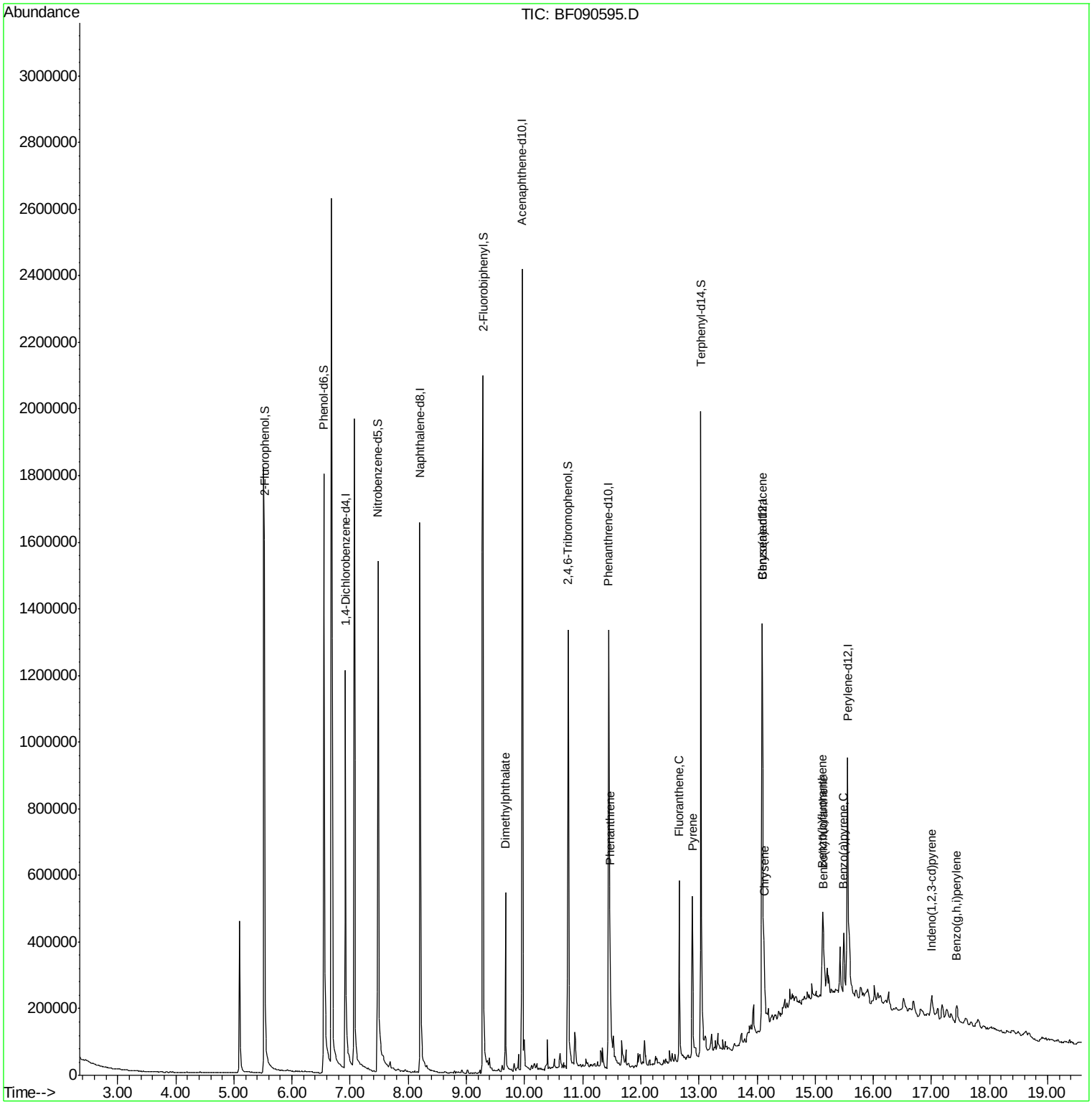
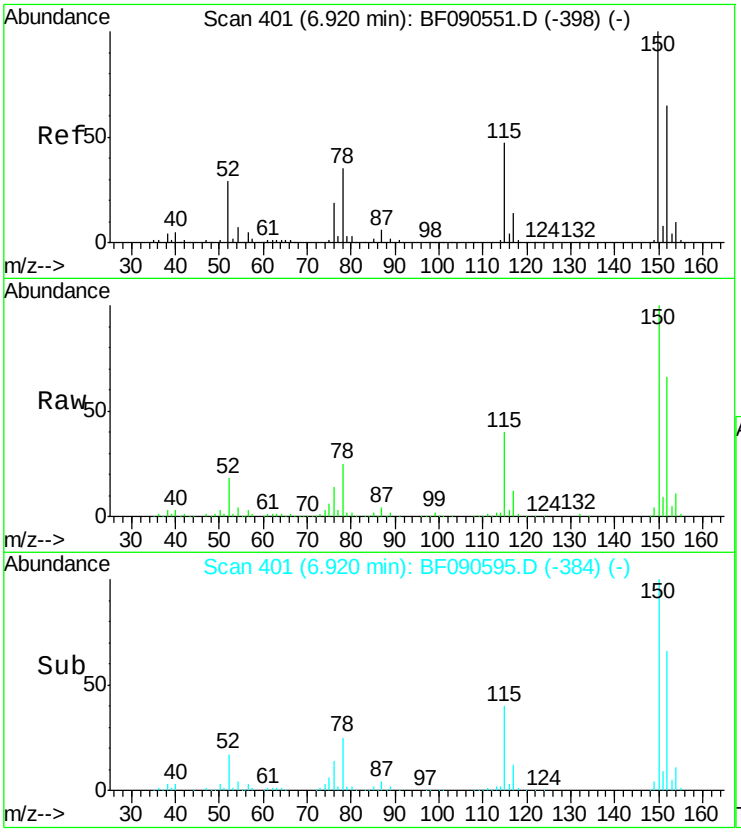
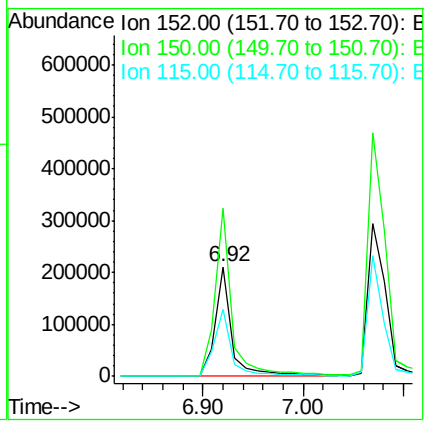




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 401
Delta R.T. 0.00 min
Lab File: BF090595.D
Acq: 15 Oct 2016 8:56

Tgt Ion:152 Resp: 244648

Ion	Ratio	Lower	Upper
152	100		
150	152.5	127.2	190.8
115	60.7	58.6	88.0



Instrument :
BNA_F
ClientSampleId :
2

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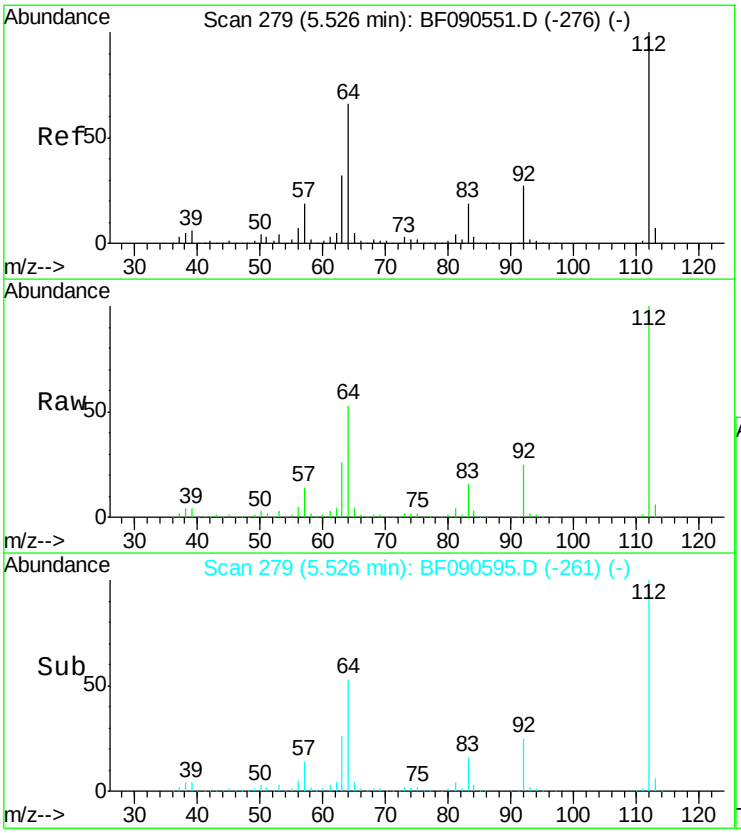
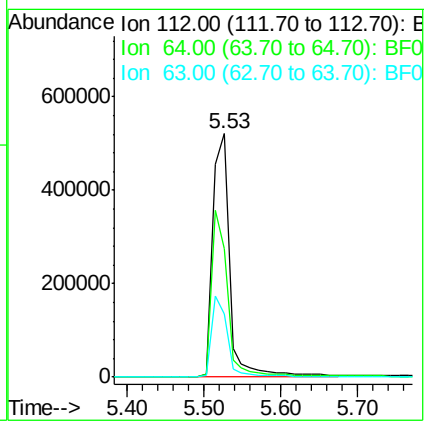
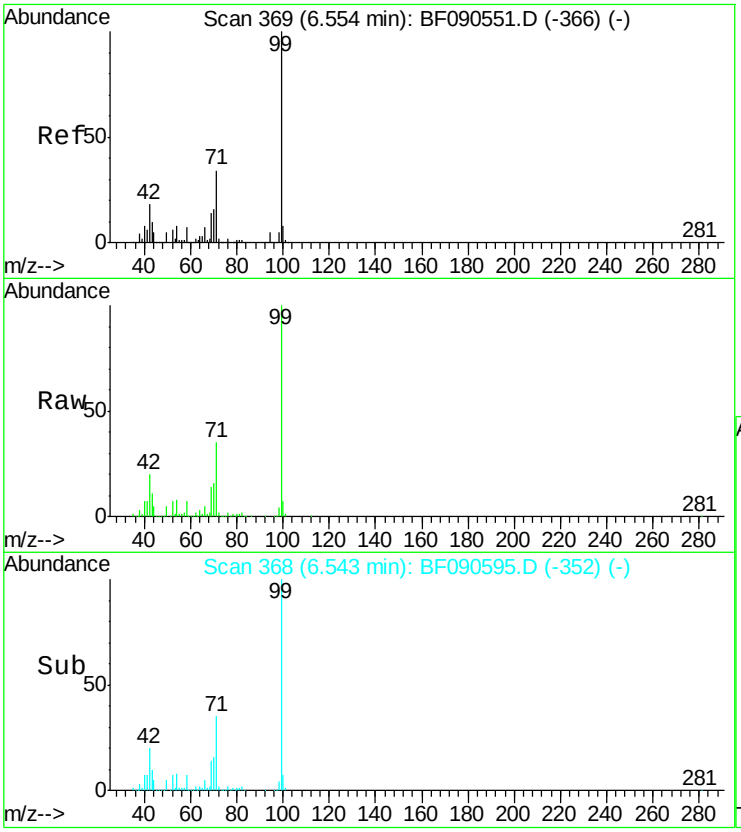


#5
2-Fluorophenol
Concen: 60.20 ng
RT: 5.53 min Scan# 279
Delta R.T. 0.00 min
Lab File: BF090595.D
Acq: 15 Oct 2016 8:56

Tgt Ion:112 Resp: 803336

Ion	Ratio	Lower	Upper
112	100		
64	52.8	52.6	78.8
63	25.7	26.0	39.0#

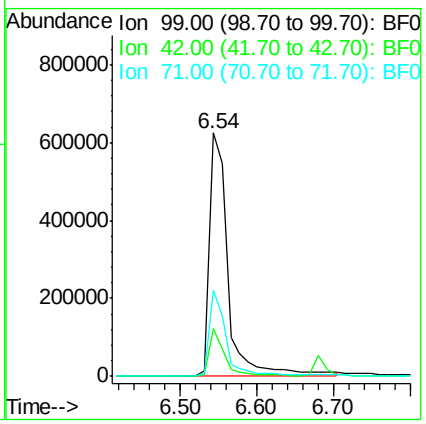




#7
Phenol-d6
Concen: 53.17 ng
RT: 6.54 min Scan# 368
Delta R.T. -0.01 min
Lab File: BF090595.D
Acq: 15 Oct 2016 8:56

Tgt Ion: 99 Resp: 1054299

Ion	Ratio	Lower	Upper
99	100		
42	19.7	14.7	22.1
71	35.5	27.6	41.4



Instrument :
BNA_F
ClientSampleId :
2

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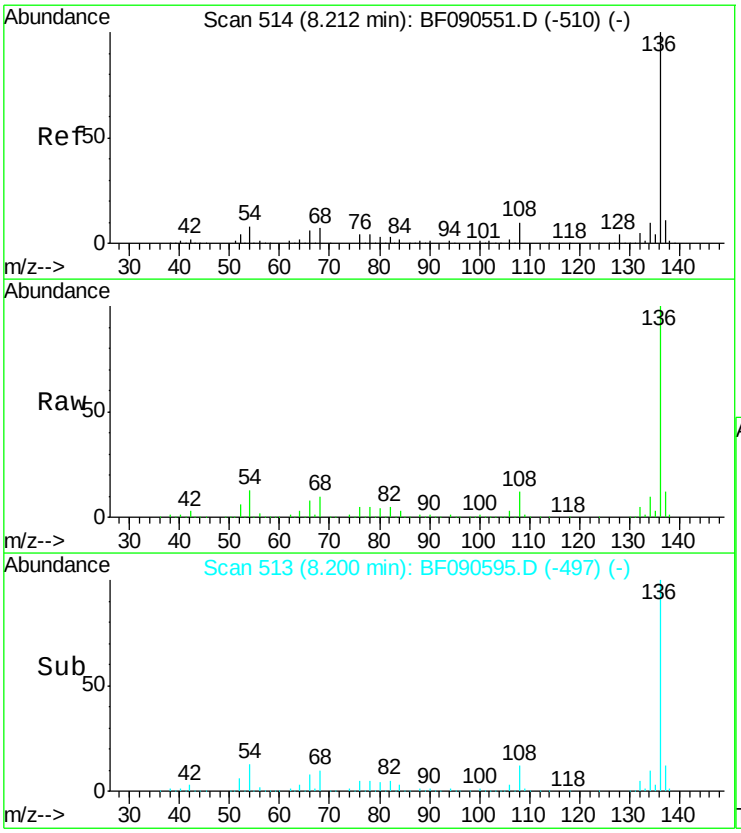
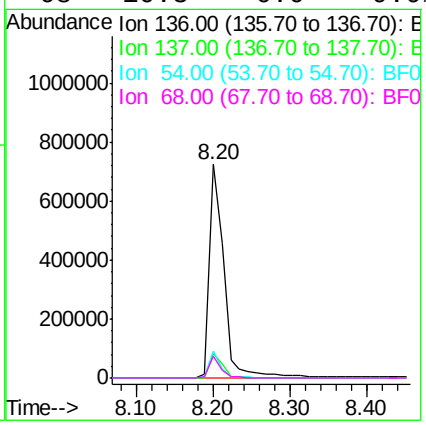
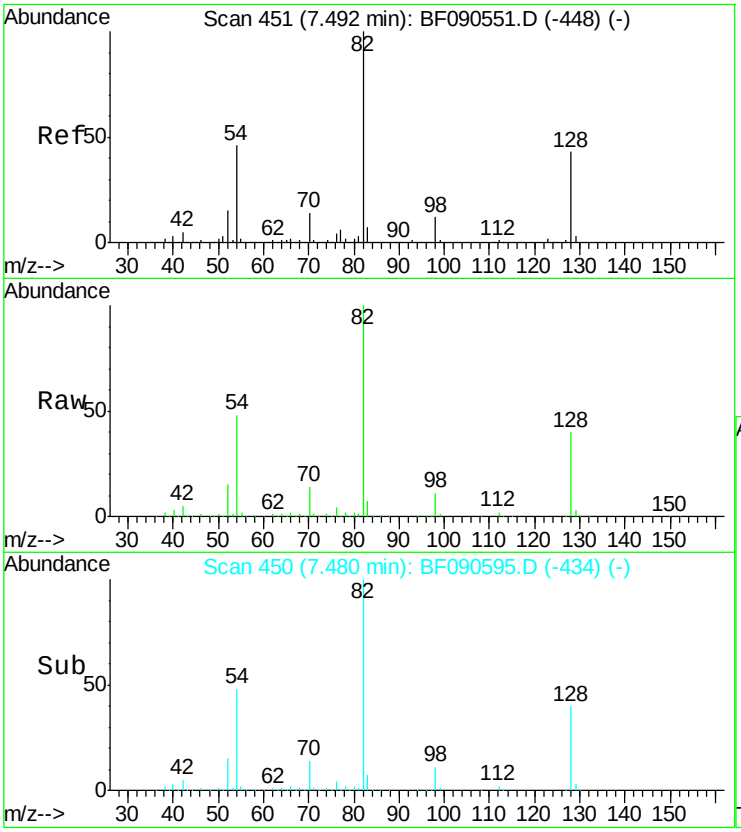


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 513
Delta R.T. -0.01 min
Lab File: BF090595.D
Acq: 15 Oct 2016 8:56

Tgt Ion:136 Resp: 957769

Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.8	13.2
54	12.7	6.8	10.2#
68	10.3	6.0	9.0#

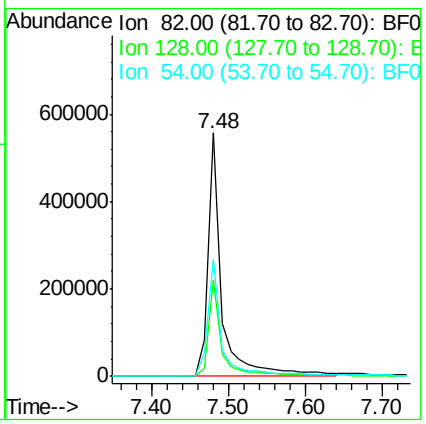




#23
Nitrobenzene-d5
Concen: 40.13 ng
RT: 7.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: BF090595.D
Acq: 15 Oct 2016 8:56

Tgt Ion: 82 Resp: 691970

Ion	Ratio	Lower	Upper
82	100		
128	39.8	34.3	51.5
54	48.0	37.0	55.6



Instrument :
BNA_F
ClientSampleId :
2

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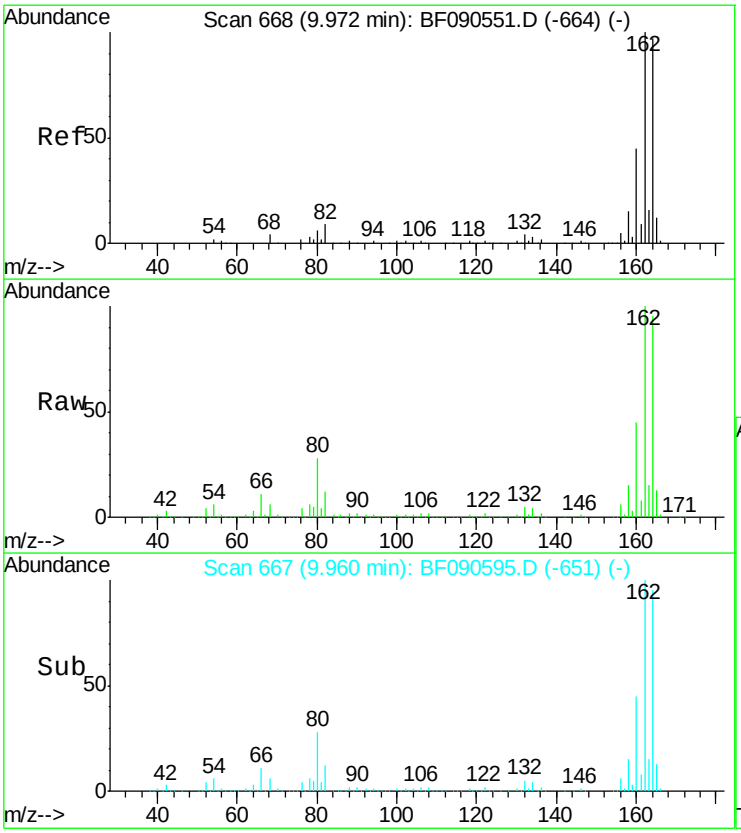
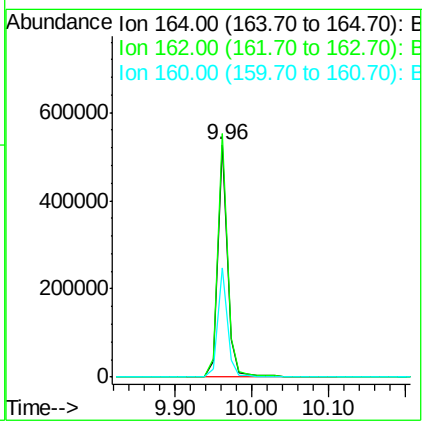
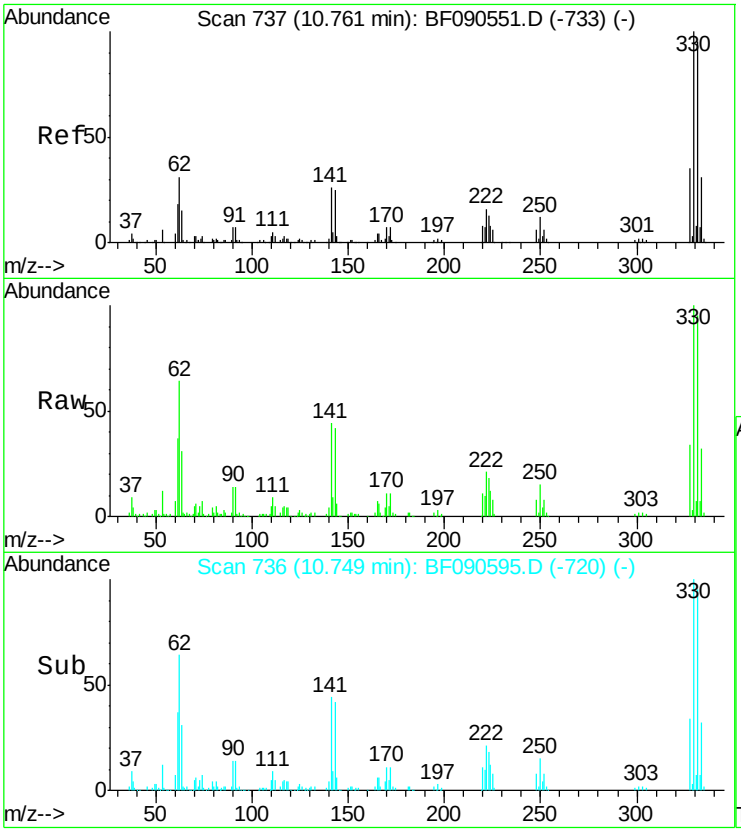


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.96 min Scan# 667
Delta R.T. -0.01 min
Lab File: BF090595.D
Acq: 15 Oct 2016 8:56

Tgt Ion:164 Resp: 470331

Ion	Ratio	Lower	Upper
164	100		
162	104.8	82.2	123.4
160	47.3	36.6	55.0

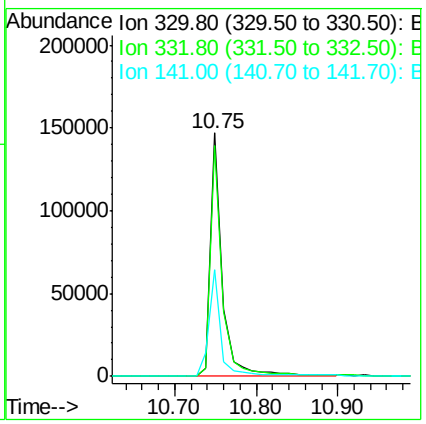




#41
2,4,6-Tribromophenol
Concen: 36.62 ng
RT: 10.75 min Scan# 736
Delta R.T. -0.01 min
Lab File: BF090595.D
Acq: 15 Oct 2016 8:56

Tgt Ion:330 Resp: 153542

Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.2	114.2
141	44.8	31.4	47.2



Instrument :
BNA_F
ClientSampleId :
2

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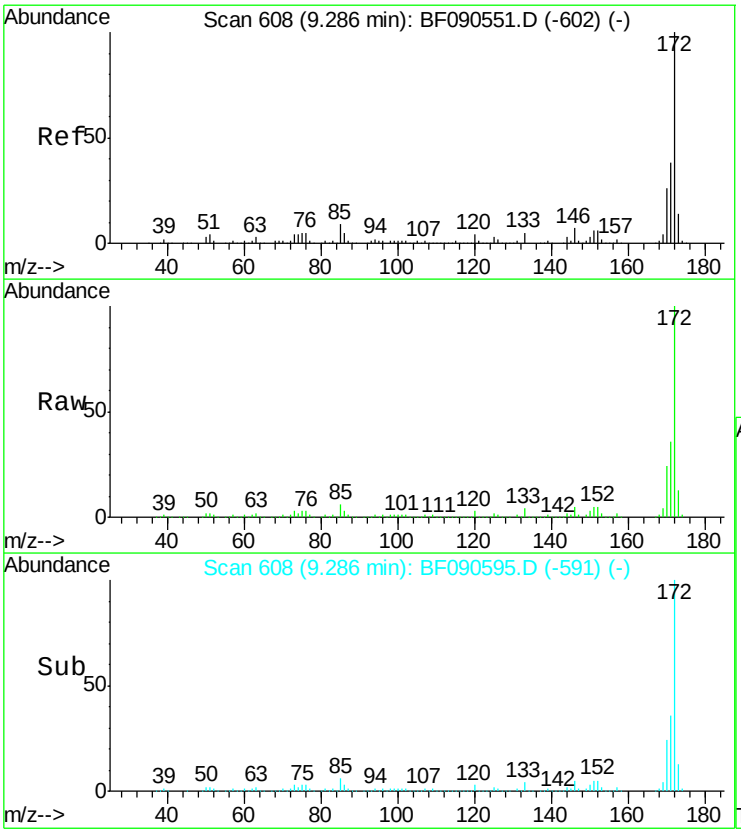
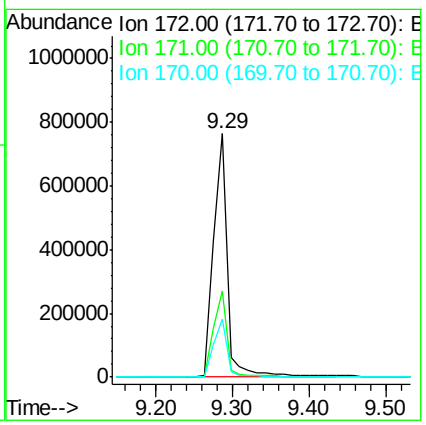
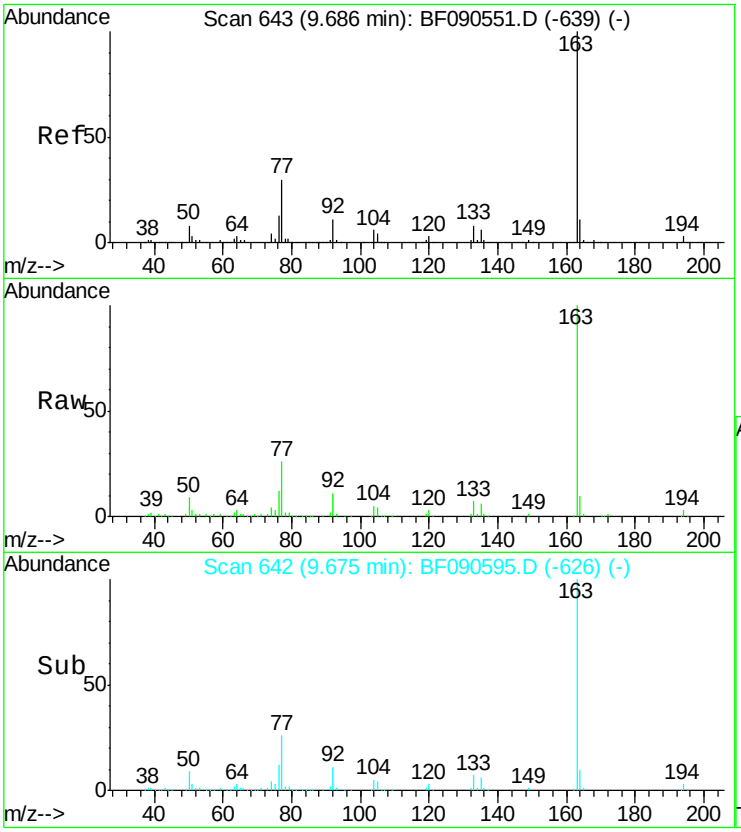


#44
2-Fluorobiphenyl
Concen: 33.33 ng
RT: 9.29 min Scan# 608
Delta R.T. 0.00 min
Lab File: BF090595.D
Acq: 15 Oct 2016 8:56

Tgt Ion:172 Resp: 951422

Ion	Ratio	Lower	Upper
172	100		
171	35.6	30.1	45.1
170	24.1	20.6	30.8

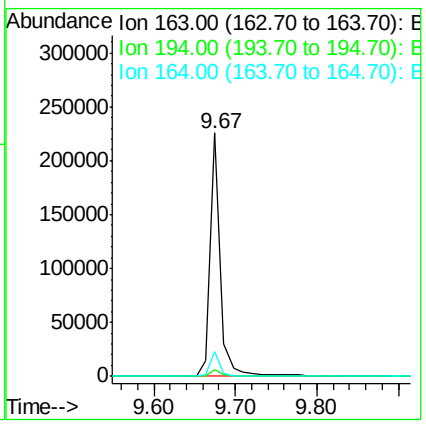




#49
Dimethylphthalate
Concen: 6.64 ng
RT: 9.67 min Scan# 642
Delta R.T. -0.01 min
Lab File: BF090595.D
Acq: 15 Oct 2016 8:56

Tgt Ion:163 Resp: 202548

Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.3	3.5
164	10.2	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
2

Manual Integrations APPROVED
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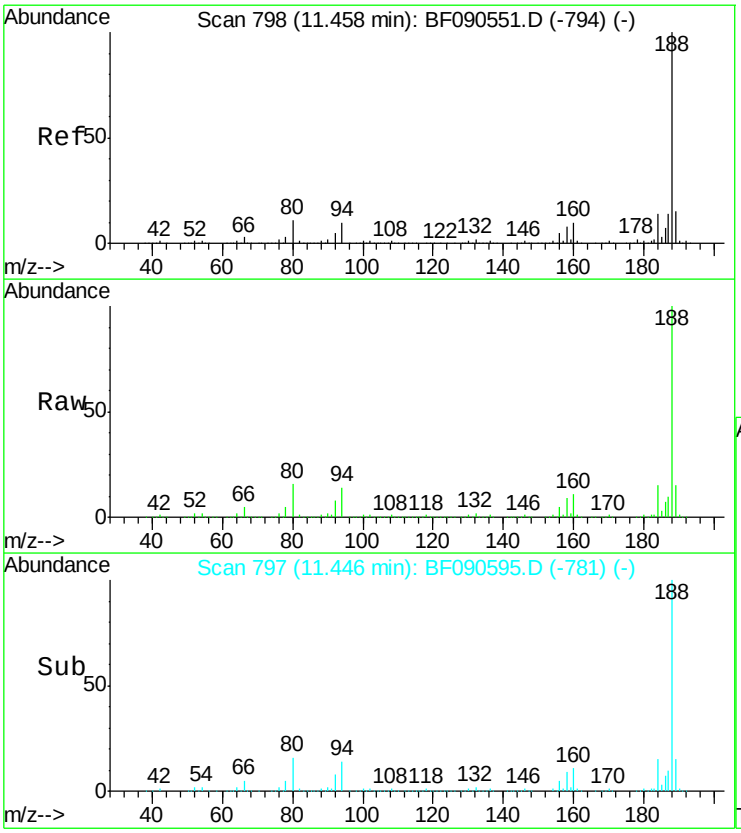
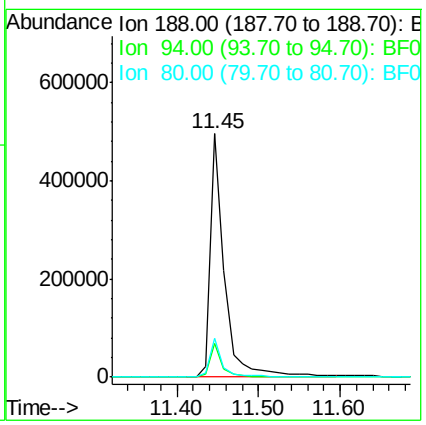
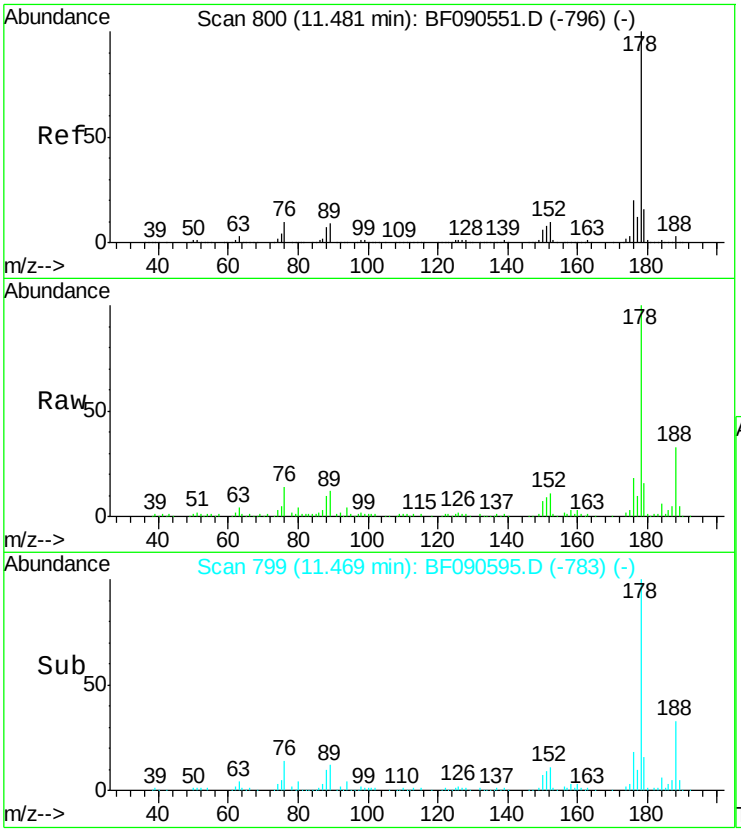


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF090595.D
Acq: 15 Oct 2016 8:56

Tgt Ion:188 Resp: 608766

Ion	Ratio	Lower	Upper
188	100		
94	14.1	7.7	11.5#
80	15.9	8.6	12.8#

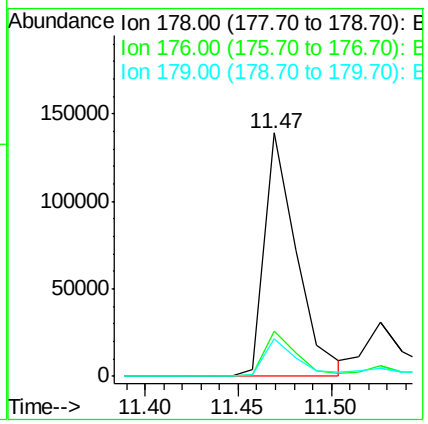




#70
Phenanthrene
Concen: 5.10 ng
RT: 11.47 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF090595.D
Acq: 15 Oct 2016 8:56

Tgt Ion:178 Resp: 165853

Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.1	24.1
179	15.6	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
2

Manual Integrations APPROVED
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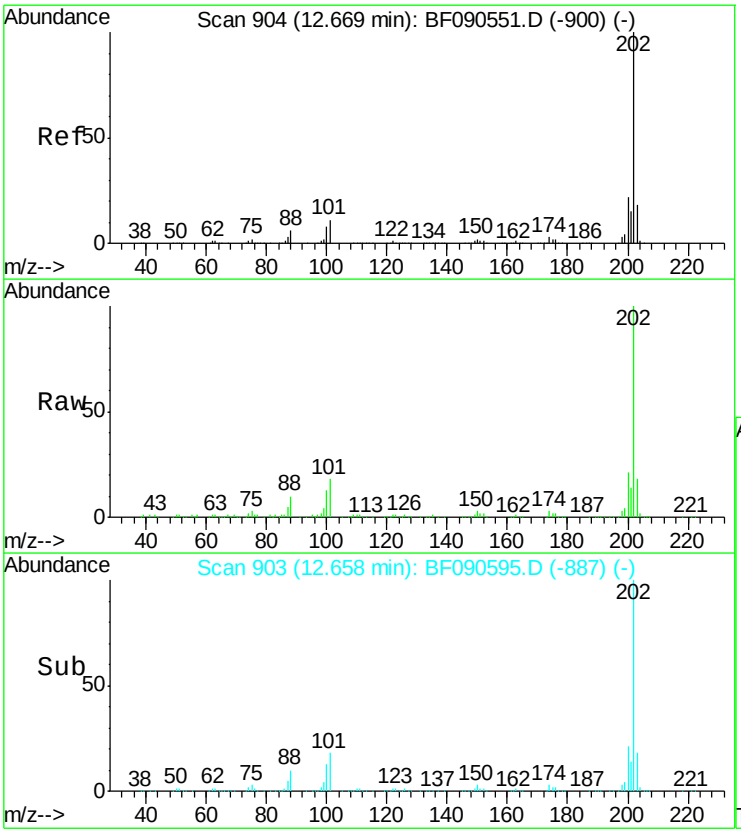
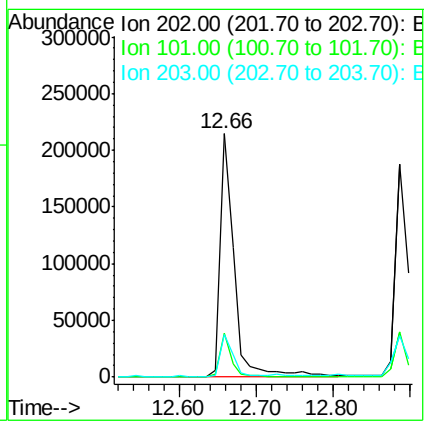
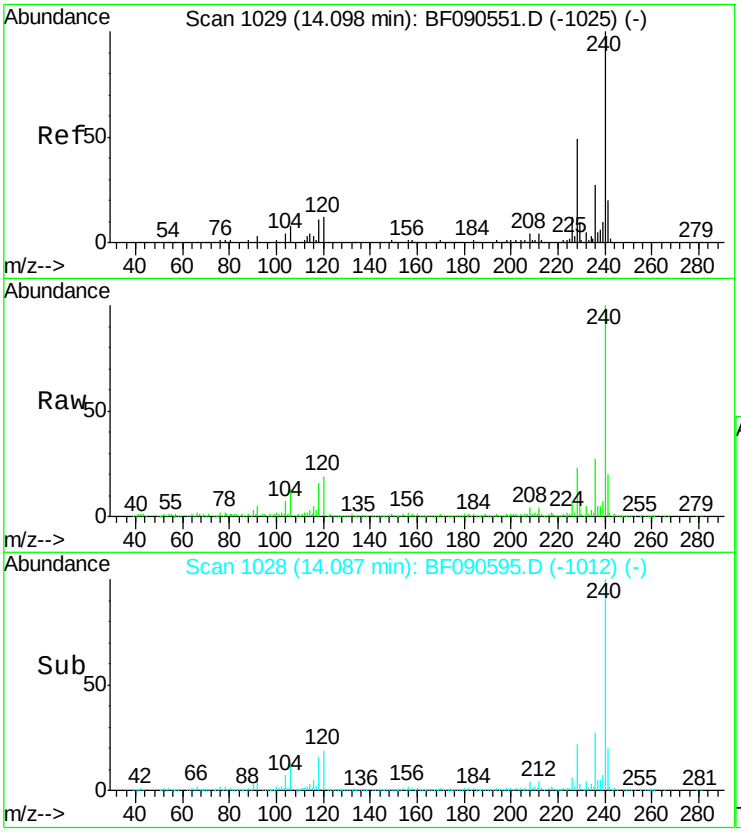


#74
Fluoranthene
Concen: 8.33 ng
RT: 12.66 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF090595.D
Acq: 15 Oct 2016 8:56

Tgt Ion:202 Resp: 272142

Ion	Ratio	Lower	Upper
202	100		
101	18.1	0.0	31.1
203	17.6	0.0	38.0

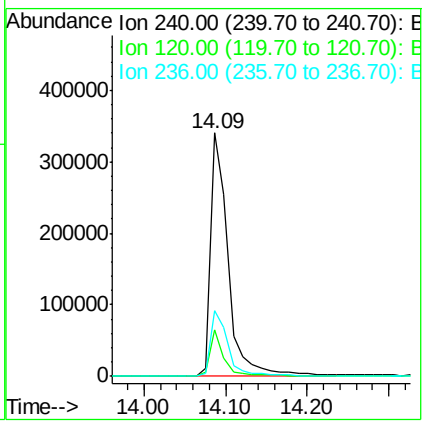




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.09 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF090595.D
Acq: 15 Oct 2016 8:56

Tgt Ion:240 Resp: 517711

Ion	Ratio	Lower	Upper
240	100		
120	18.9	9.8	14.8#
236	26.7	21.7	32.5



Instrument :
BNA_F
ClientSampleId :
2

Manual Integrations APPROVED
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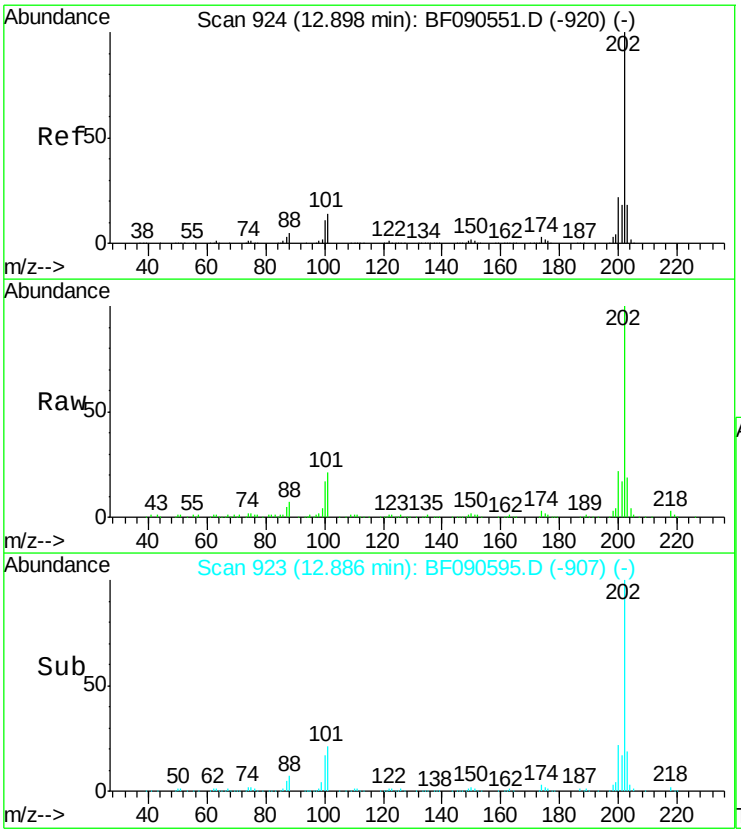
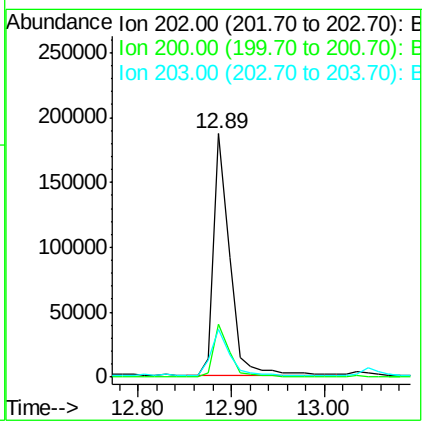
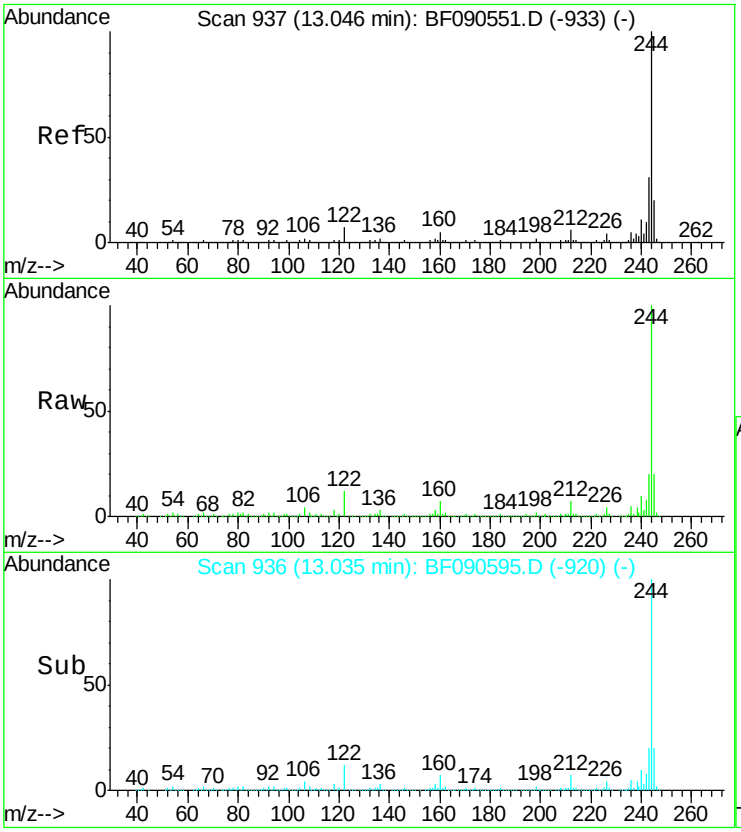


#77
Pyrene
Concen: 6.52 ng
RT: 12.89 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF090595.D
Acq: 15 Oct 2016 8:56

Tgt Ion:202 Resp: 223412

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.8	26.6
203	19.4	14.6	21.8

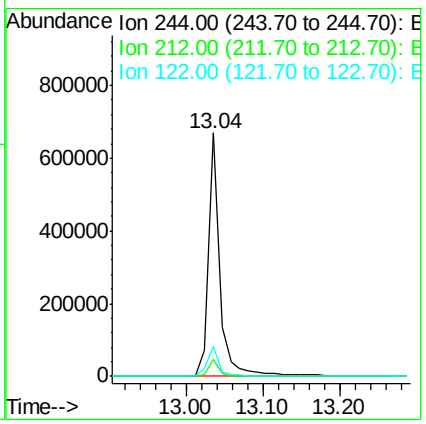




#78
Terphenyl-d14
Concen: 31.08 ng
RT: 13.04 min Scan# 936
Delta R.T. -0.01 min
Lab File: BF090595.D
Acq: 15 Oct 2016 8:56

Tgt Ion:244 Resp: 691016

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.0	7.4
122	12.3	5.6	8.4#



Instrument :
BNA_F
ClientSampleId :
2

Manual Integrations APPROVED
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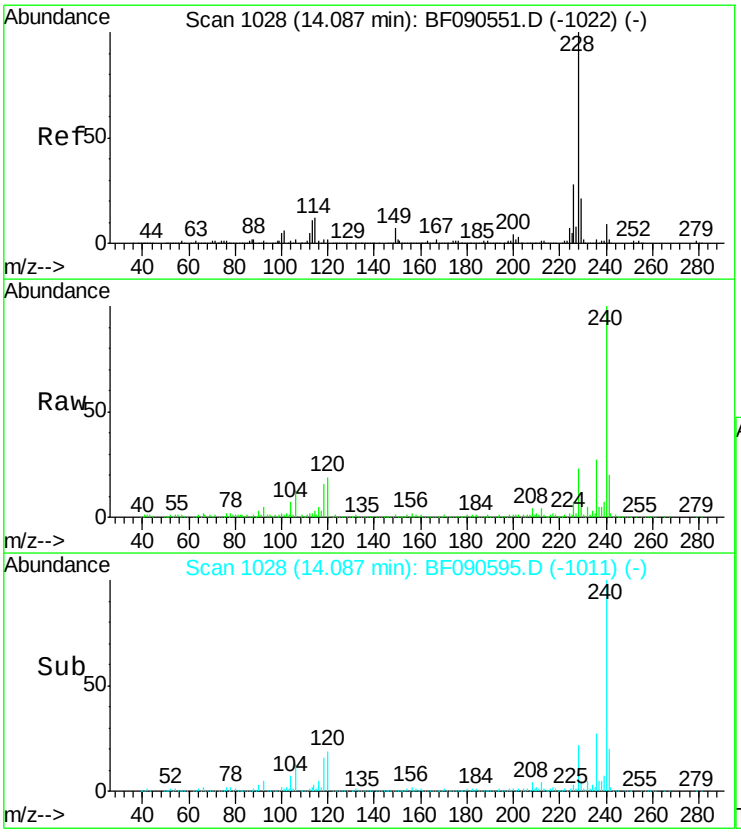
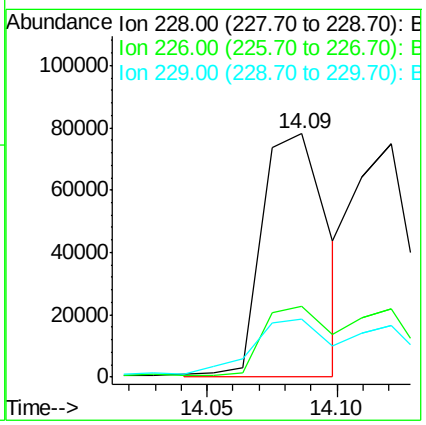
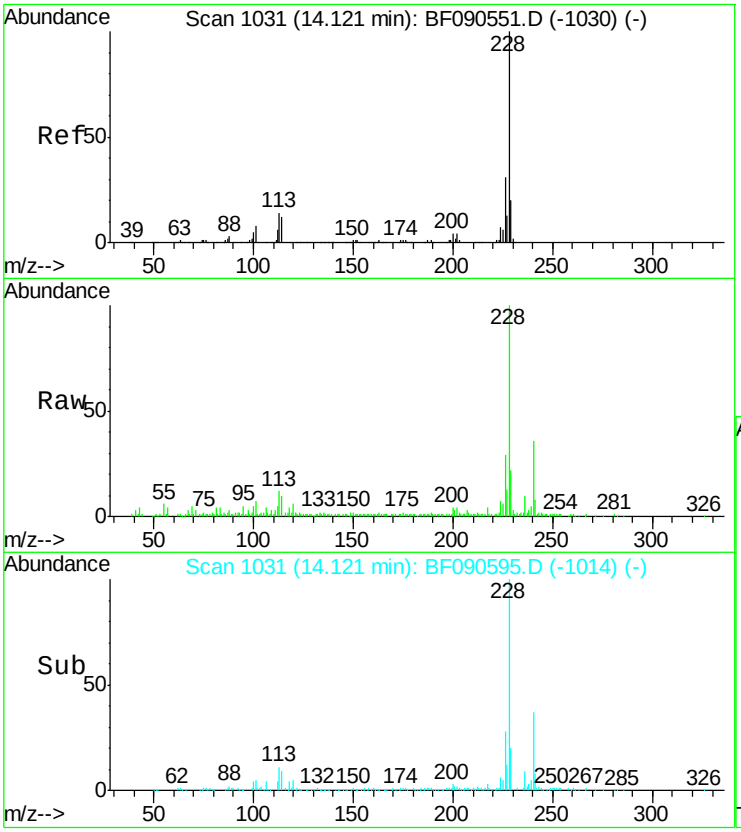


#80
Benzo(a)anthracene
Concen: 4.65 ng m
RT: 14.09 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF090595.D
Acq: 15 Oct 2016 8:56

Tgt Ion:228 Resp: 136912

Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.8	34.2
229	23.6	16.6	25.0

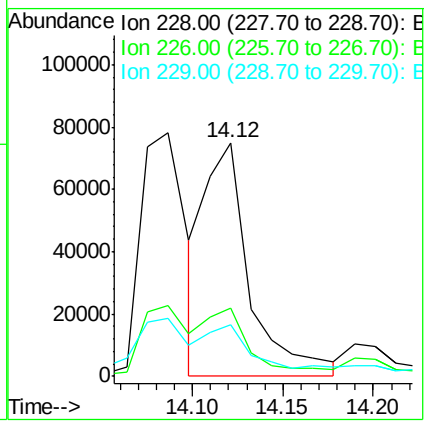




#82
Chrysene
Concen: 4.58 ng m
RT: 14.12 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF090595.D
Acq: 15 Oct 2016 8:56

Tgt Ion:228 Resp: 130006

Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.8	37.2
229	22.3	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
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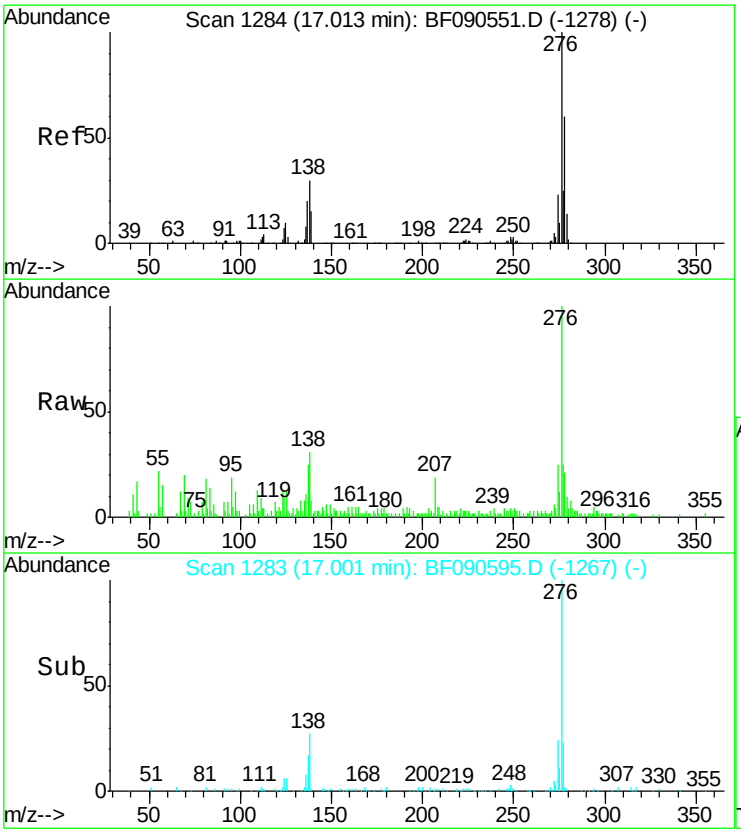
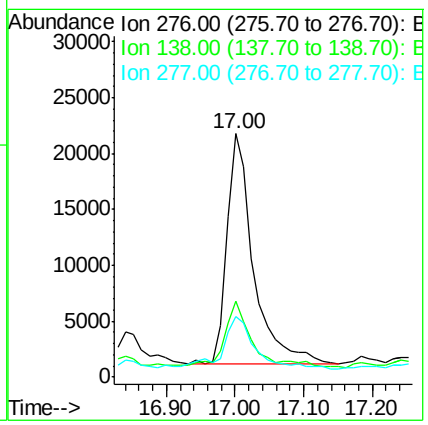
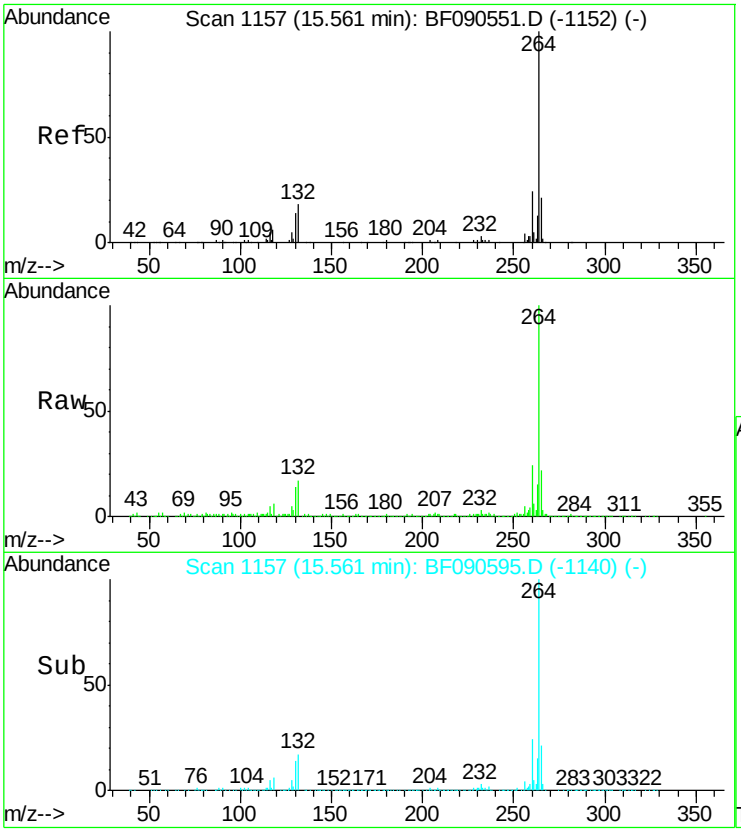


#85
Indeno(1,2,3-cd)pyrene
Concen: 3.40 ng
RT: 17.00 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF090595.D
Acq: 15 Oct 2016 8:56

Tgt Ion:276 Resp: 55843

Ion	Ratio	Lower	Upper
276	100		
138	25.5	25.8	38.6#
277	28.5	20.1	30.1

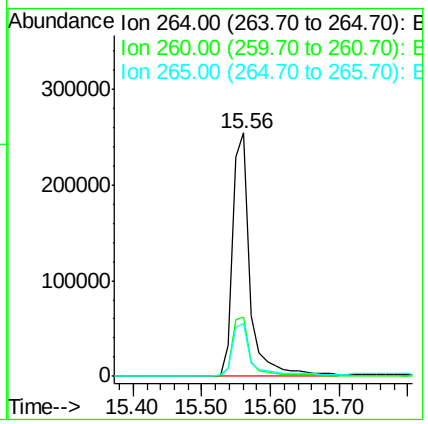




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BF090595.D
Acq: 15 Oct 2016 8:56

Tgt Ion:264 Resp: 453145

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.3	28.9
265	21.6	16.7	25.1



Instrument :
BNA_F
ClientSampleId :
2

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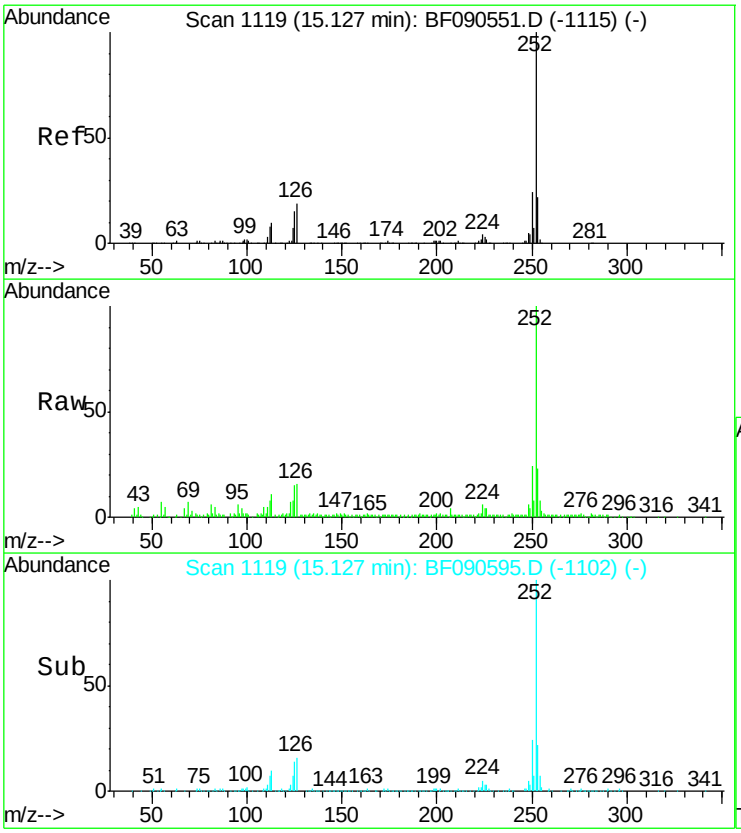
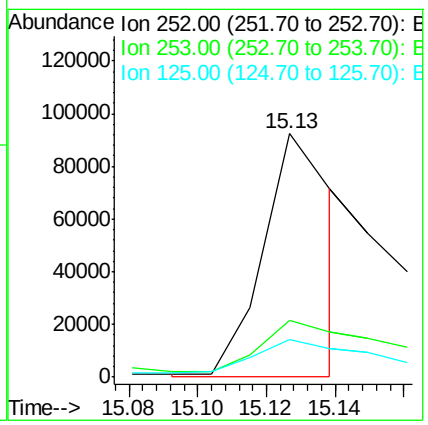
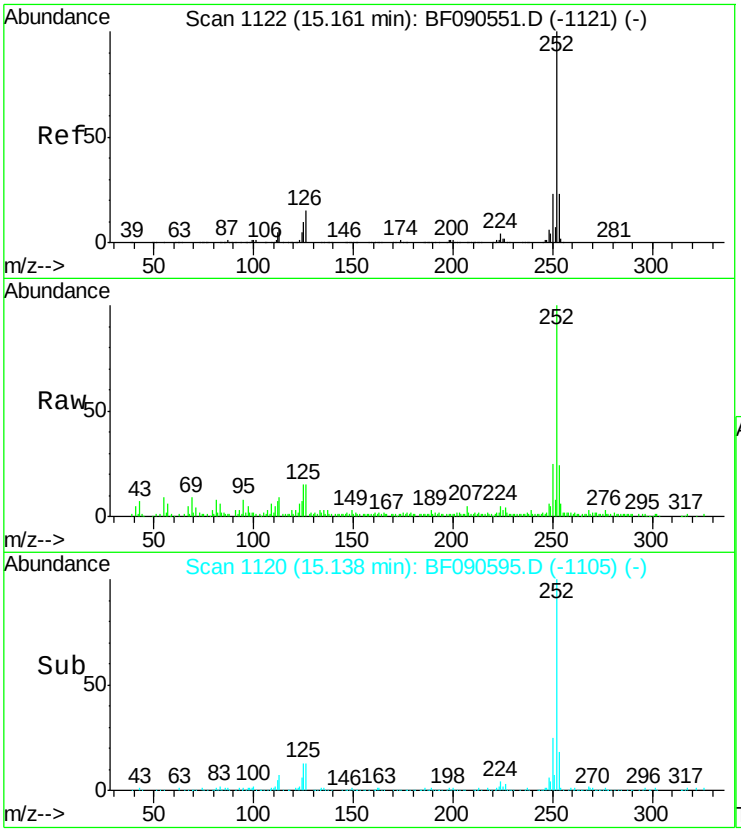


#87
Benzo(b)fluoranthene
Concen: 4.43 ng m
RT: 15.13 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BF090595.D
Acq: 15 Oct 2016 8:56

Tgt Ion:252 Resp: 131443

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	15.3	12.0	18.0

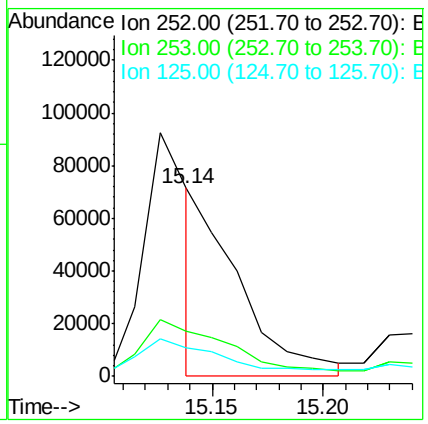




#88
Benzo(k)fluoranthene
Concen: 2.86 ng m
RT: 15.14 min Scan# 1120
Delta R.T. -0.02 min
Lab File: BF090595.D
Acq: 15 Oct 2016 8:56

Tgt Ion:252 Resp: 91160

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.0	27.0
125	15.5	10.0	15.0#



Instrument :
BNA_F
ClientSampleId :
2

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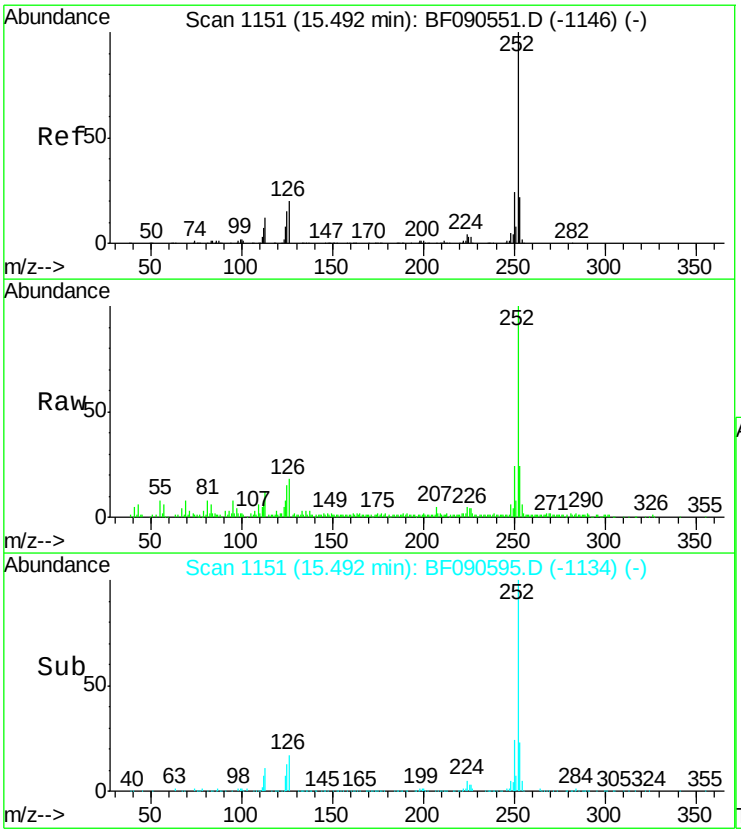
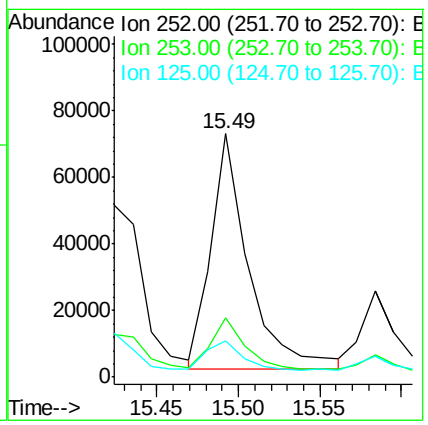
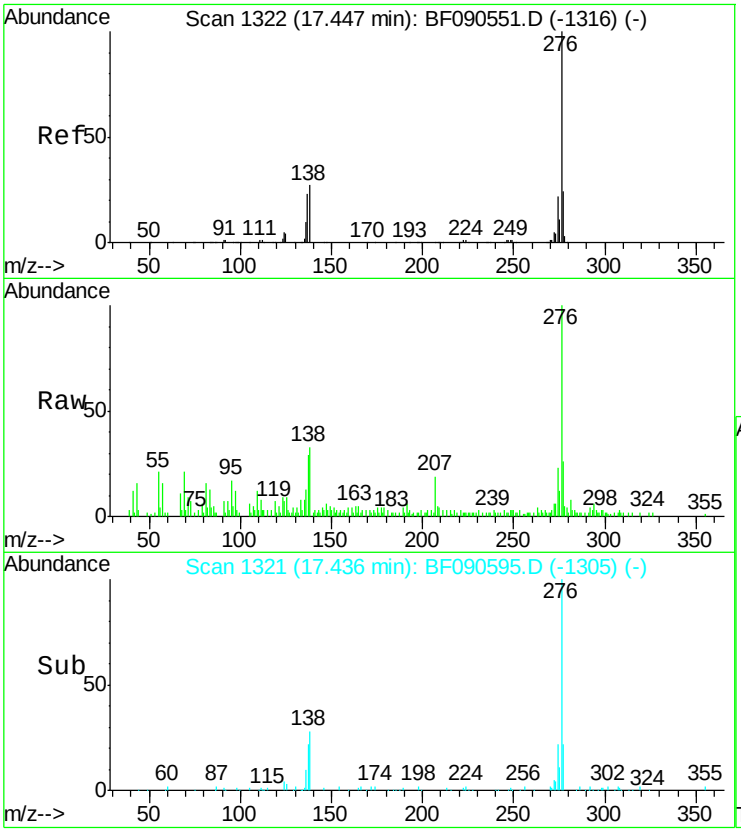


#89
Benzo(a)pyrene
Concen: 4.19 ng
RT: 15.49 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF090595.D
Acq: 15 Oct 2016 8:56

Tgt Ion:252 Resp: 113620

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	14.8	12.3	18.5

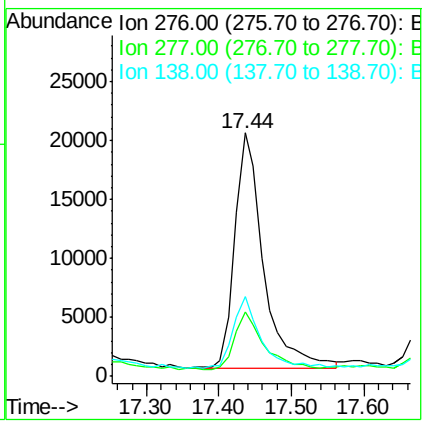




#91
Benzo(g,h,i)perylene
Concen: 2.78 ng
RT: 17.44 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF090595.D
Acq: 15 Oct 2016 8:56

Tgt Ion:276 Resp: 54807

Ion	Ratio	Lower	Upper
276	100		
277	26.2	18.8	28.2
138	32.8	21.8	32.8#



Instrument :
BNA_F
ClientSampleId :
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