Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032417\
Data File : BF093927.D
Acq On : 25 Mar 2017 00:47
Operator : SJ/MA
Sample : I2367-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-R15-SSW

Manual Integrations APPROVED
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3/27/2017 12:56:43 PM

Quant Time: Mar 25 04:51:21 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 23 02:02:22 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.96	152	167550	20.00	ng		-0.03
21) Naphthalene-d8	7.46	136	652346	20.00	ng		-0.03
38) Acenaphthene-d10	9.61	164	266033	20.00	ng		-0.03
63) Phenanthrene-d10	11.43	188	380023	20.00	ng		-0.03
75) Chrysene-d12	14.70	240	268661	20.00	ng		-0.02
86) Perylene-d12	16.33	264	251689	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	4.49	112	606080	61.10	ng		-0.02
7) Phenol-d6	5.55	99	748672	61.01	ng		-0.02
23) Nitrobenzene-d5	6.60	82	449900	39.36	ng		-0.04
41) 2,4,6-Tribromophenol	10.57	330	114285	54.36	ng		-0.04
44) 2-Fluorobiphenyl	8.79	172	760350	43.59	ng		-0.04
78) Terphenyl-d14	13.41	244	413622	34.51	ng		-0.03
Target Compounds							Qvalue
10) Phenol	5.56	94	33468	2.40	ng		89
31) Naphthalene	7.49	128	1042645	33.24	ng		99
37) 2-Methylnaphthalene	8.33	142	510566	24.42	ng		99
45) 1,1'-Biphenyl	8.90	154	79704	3.71	ng		98
48) Acenaphthylene	9.43	152	64169	2.30	ng	#	90
49) Dimethylphthalate	9.28	163	105414	5.57	ng		98
51) Acenaphthene	9.65	154	244638	15.02	ng		99
54) Dibenzofuran	9.86	168	190146	8.58	ng		99
57) Fluorene	10.28	166	309730	16.84	ng		98
70) Phenanthrene	11.48	178	2940795	139.11	ng		100
71) Anthracene	11.53	178	831902	38.22	ng		99
72) Carbazole	11.72	167	384375	17.22	ng		96
74) Fluoranthene	12.94	202	3053651	141.07	ng		99
77) Pyrene	13.22	202	2764656	141.79	ng		99
80) Benzo(a)anthracene	14.69	228	1574533	100.50	ng		99
82) Chrysene	14.73	228	1466834	100.89	ng		97
85) Indeno(1,2,3-cd)pyrene	17.72	276	560442	44.51	ng		94
87) Benzo(b)fluoranthene	15.93	252	1718078m	111.36	ng		
88) Benzo(k)fluoranthene	15.95	252	460507m	30.51	ng		
89) Benzo(a)pyrene	16.28	252	1090297	76.74	ng		97
90) Dibenzo(a,h)anthracene	17.73	278	164371	13.66	ng		95
91) Benzo(g,h,i)perylene	18.13	276	494436	40.78	ng		98

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

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Instrument :
BNA_F
ClientSampleId :
E2-R15-SSW

Manual Integrations APPROVED
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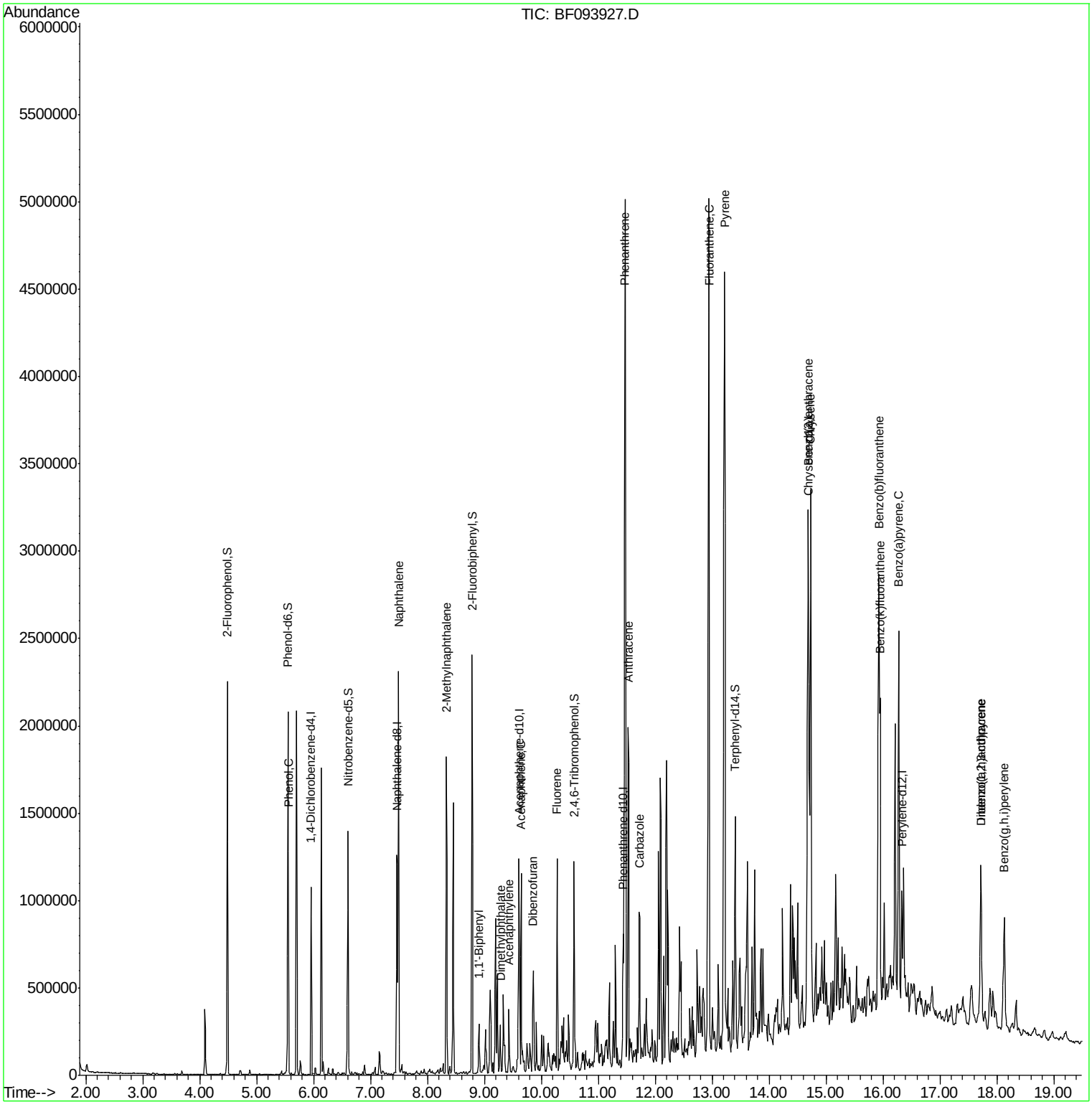
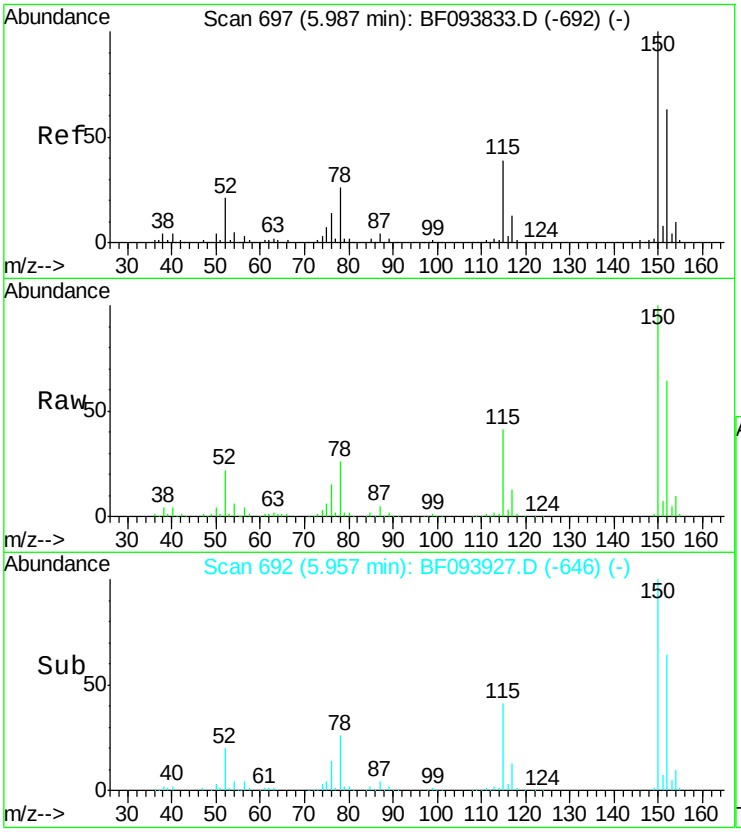
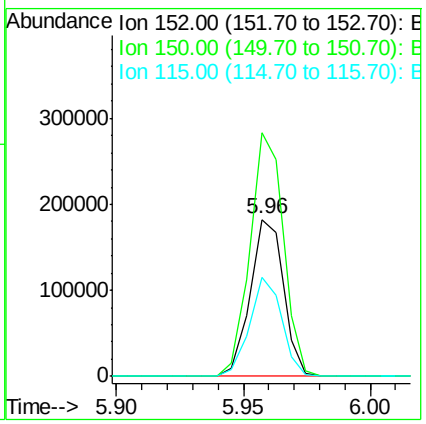




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.96 min Scan# 692
Delta R.T. -0.03 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:152 Resp: 167550

Ion	Ratio	Lower	Upper
152	100		
150	155.3	126.2	189.2
115	63.4	52.2	78.2



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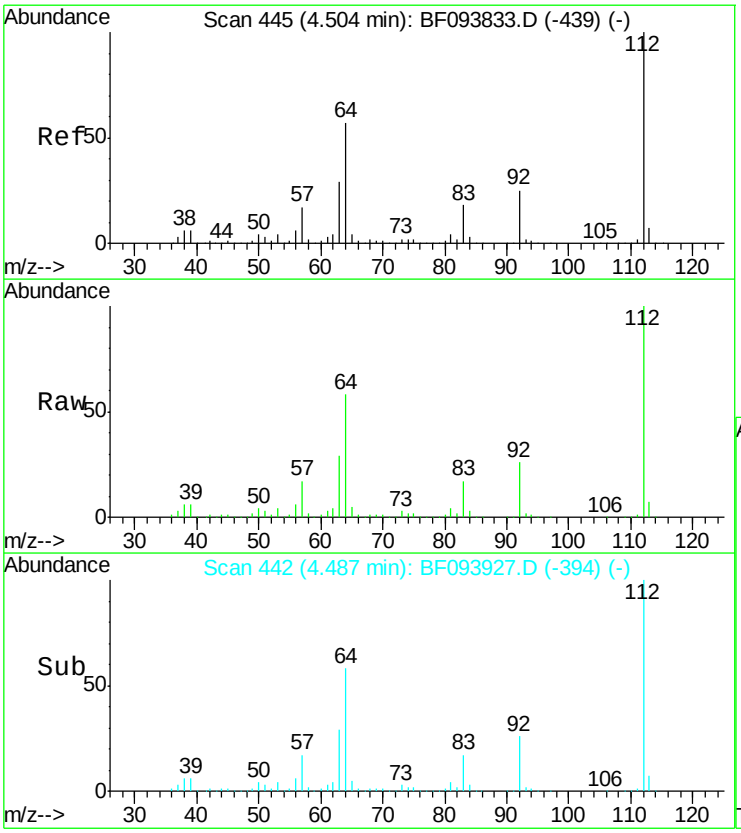
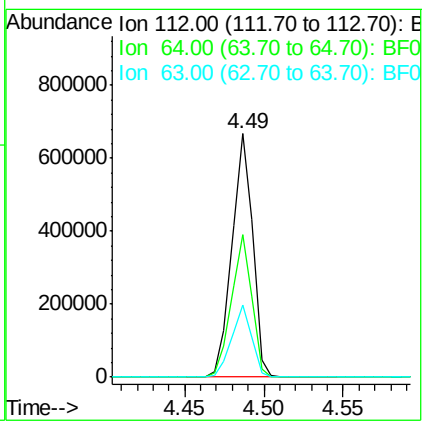
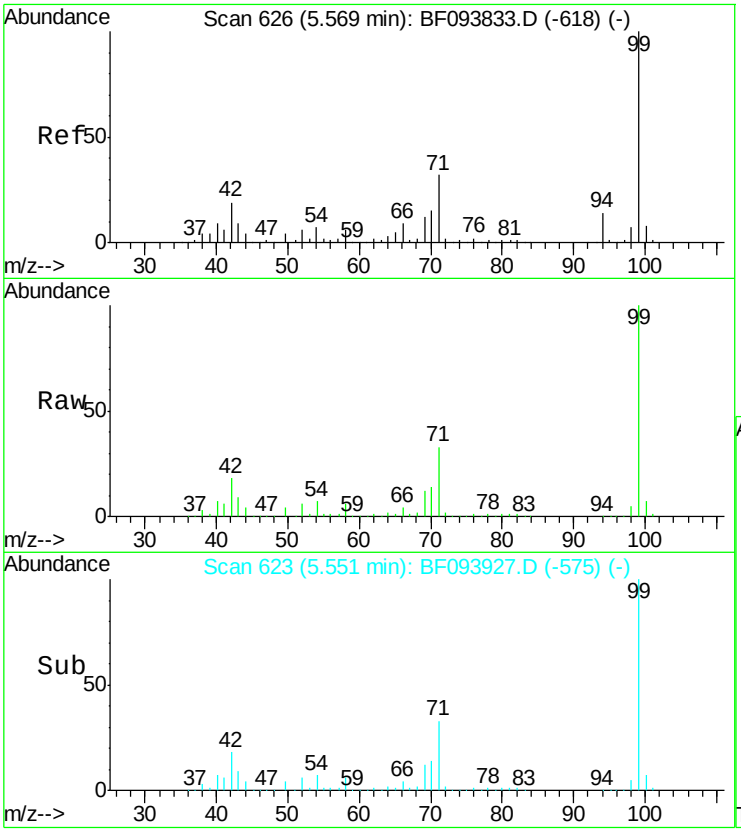


#5
2-Fluorophenol
Concen: 61.10 ng
RT: 4.49 min Scan# 442
Delta R.T. -0.02 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:112 Resp: 606080

Ion	Ratio	Lower	Upper
112	100		
64	58.3	46.0	69.0
63	29.5	23.4	35.0

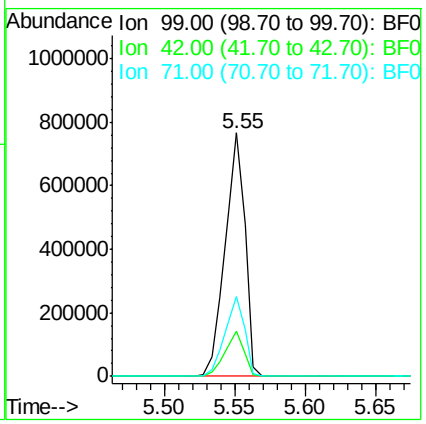




#7
Phenol-d6
Concen: 61.01 ng
RT: 5.55 min Scan# 623
Delta R.T. -0.02 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion: 99 Resp: 748672

Ion	Ratio	Lower	Upper
99	100		
42	18.4	13.5	20.3
71	32.9	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
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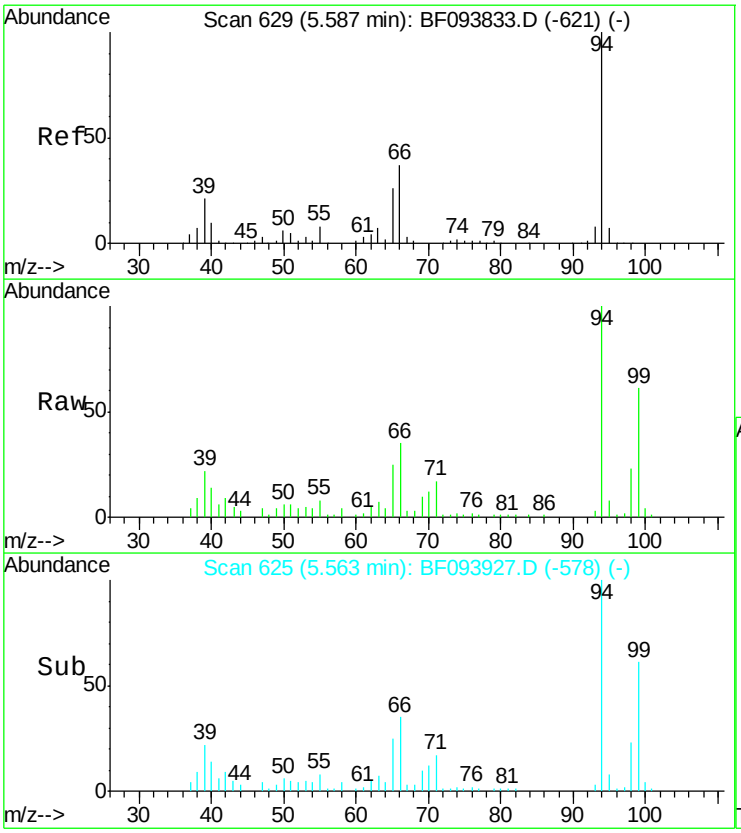
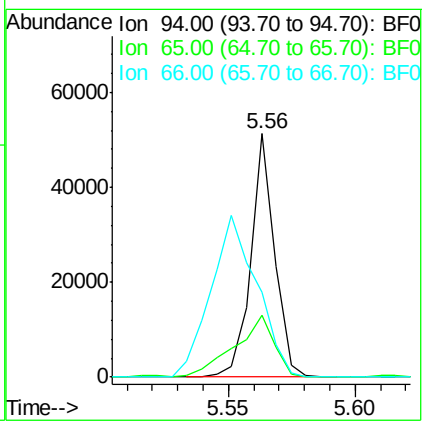
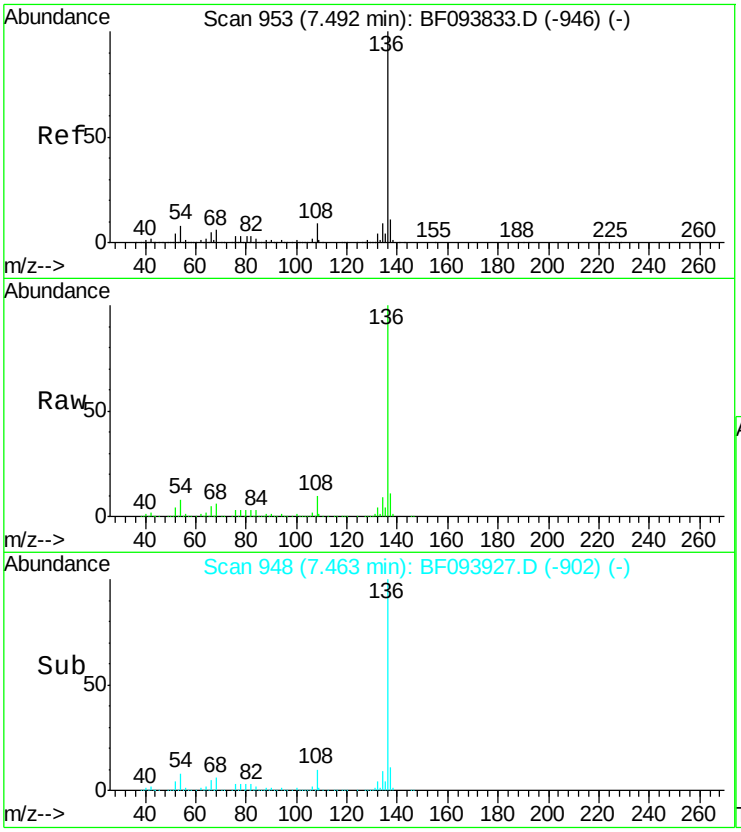


#10
Phenol
Concen: 2.40 ng
RT: 5.56 min Scan# 625
Delta R.T. -0.02 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion: 94 Resp: 33468

Ion	Ratio	Lower	Upper
94	100		
65	25.3	9.9	49.9
66	34.6	23.1	63.1

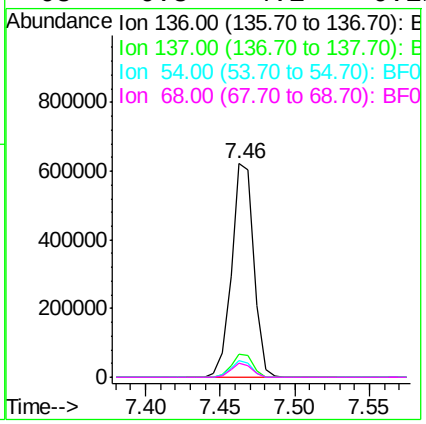




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.46 min Scan# 948
Delta R.T. -0.03 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:136 Resp: 652346

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	8.1	4.9	7.3#
68	6.3	4.1	6.1#



Instrument :
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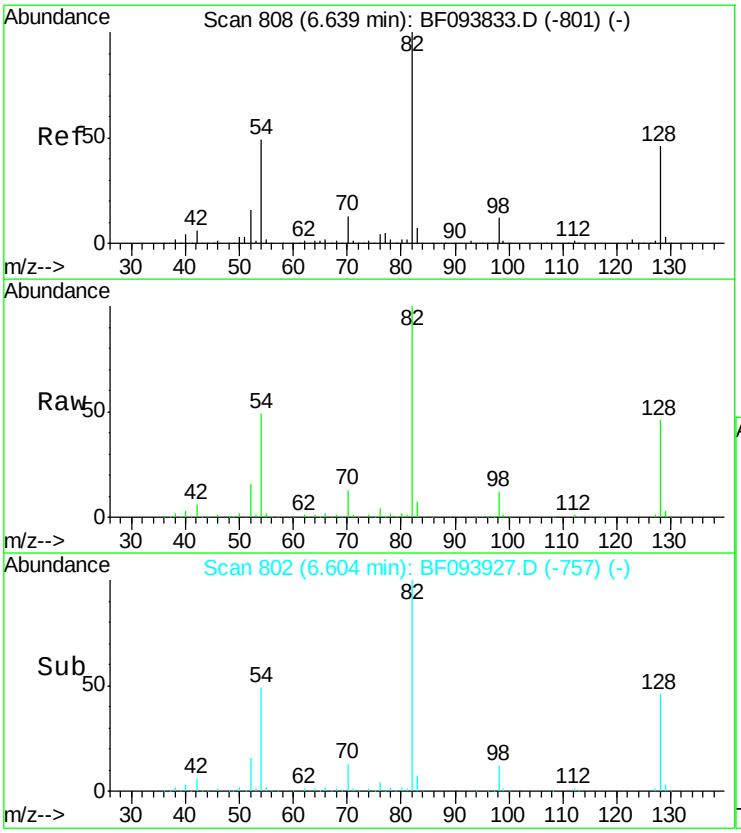
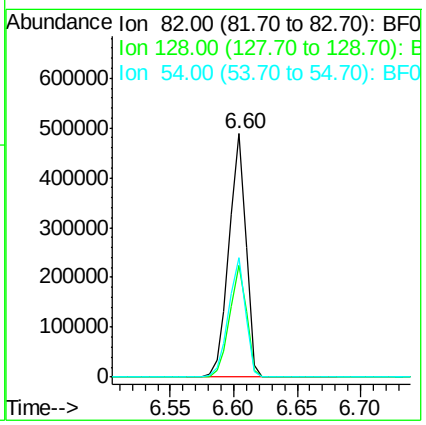
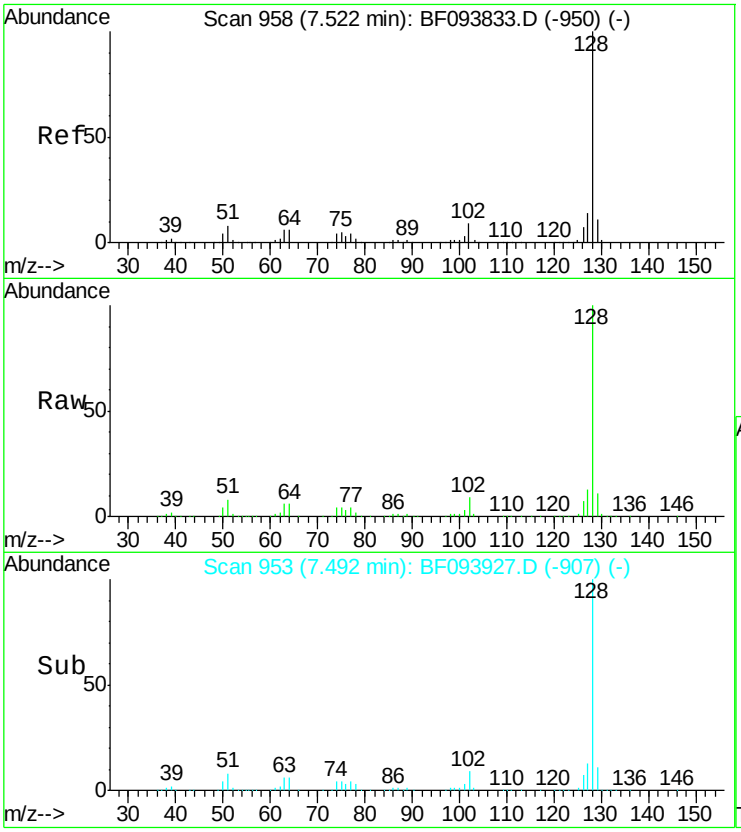


#23
Nitrobenzene-d5
Concen: 39.36 ng
RT: 6.60 min Scan# 802
Delta R.T. -0.04 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion: 82 Resp: 449900

Ion	Ratio	Lower	Upper
82	100		
128	45.7	34.0	51.0
54	49.3	42.2	63.2

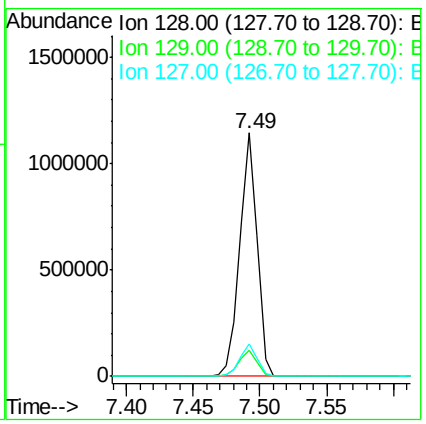




#31
Naphthalene
Concen: 33.24 ng
RT: 7.49 min Scan# 953
Delta R.T. -0.03 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:128 Resp: 1042645

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.6
127	13.2	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
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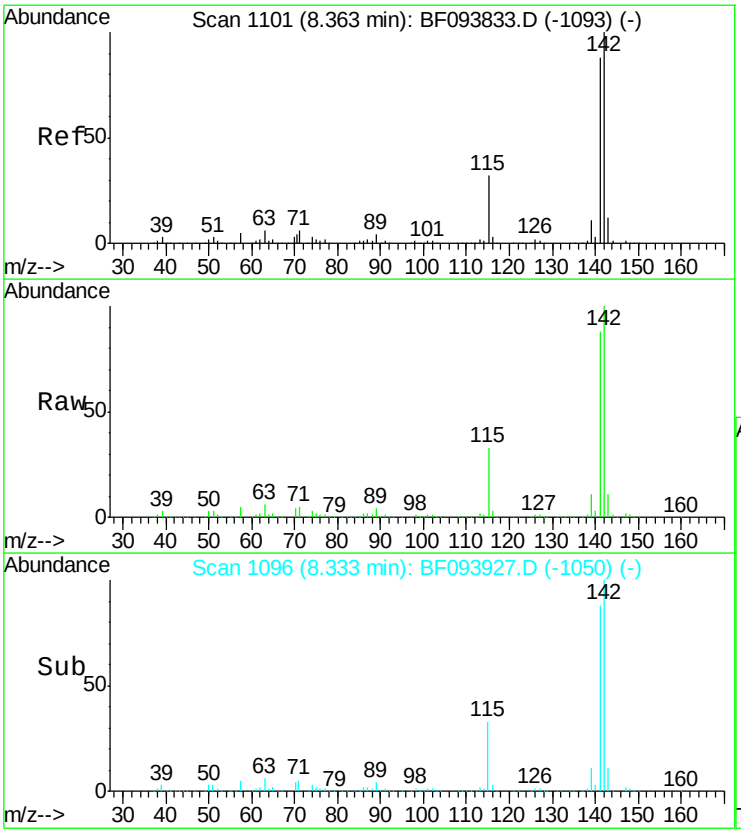
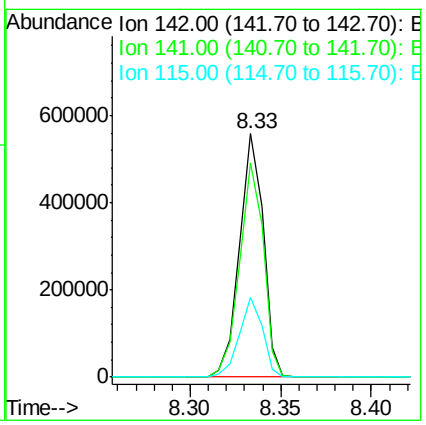
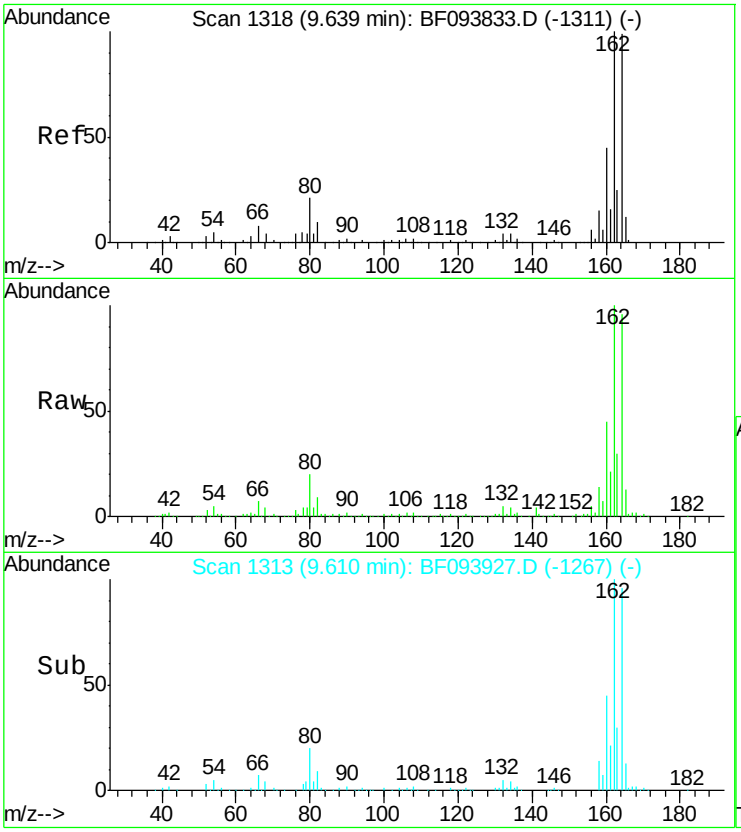


#37
2-Methylnaphthalene
Concen: 24.42 ng
RT: 8.33 min Scan# 1096
Delta R.T. -0.03 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:142 Resp: 510566

Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.3	106.9
115	32.7	27.1	40.7

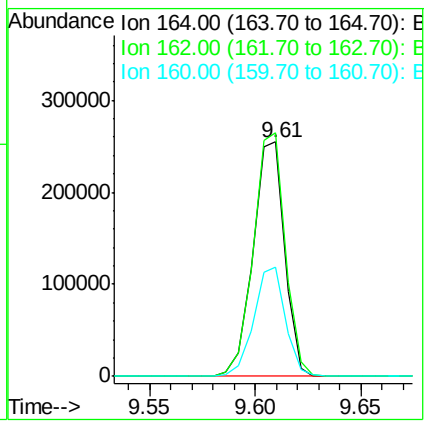




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.61 min Scan# 1313
Delta R.T. -0.03 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:164 Resp: 266033

Ion	Ratio	Lower	Upper
164	100		
162	104.0	82.6	123.8
160	46.9	36.2	54.2



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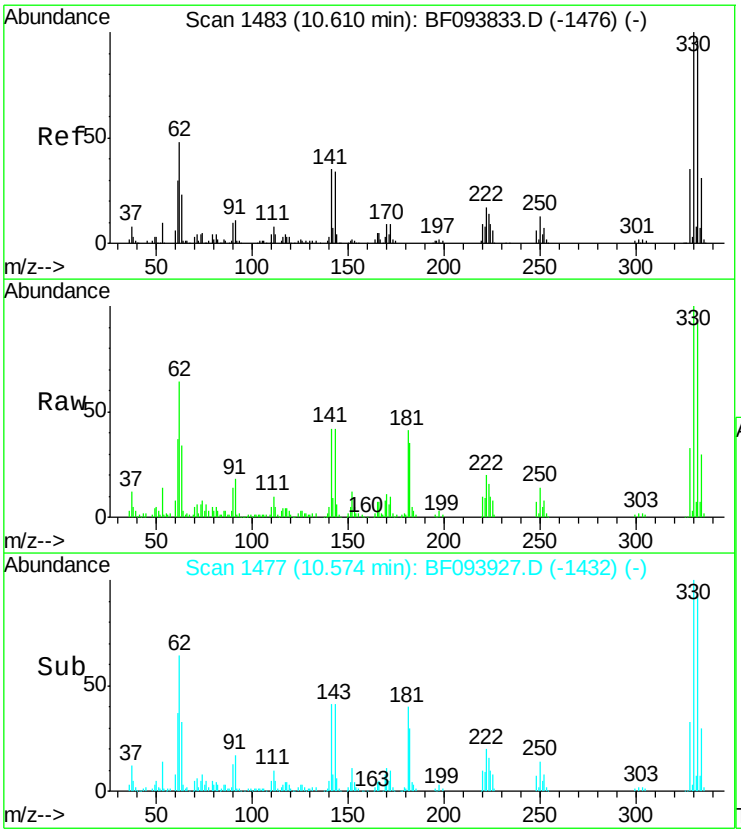
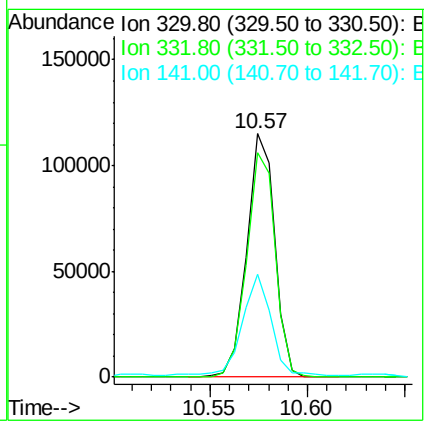
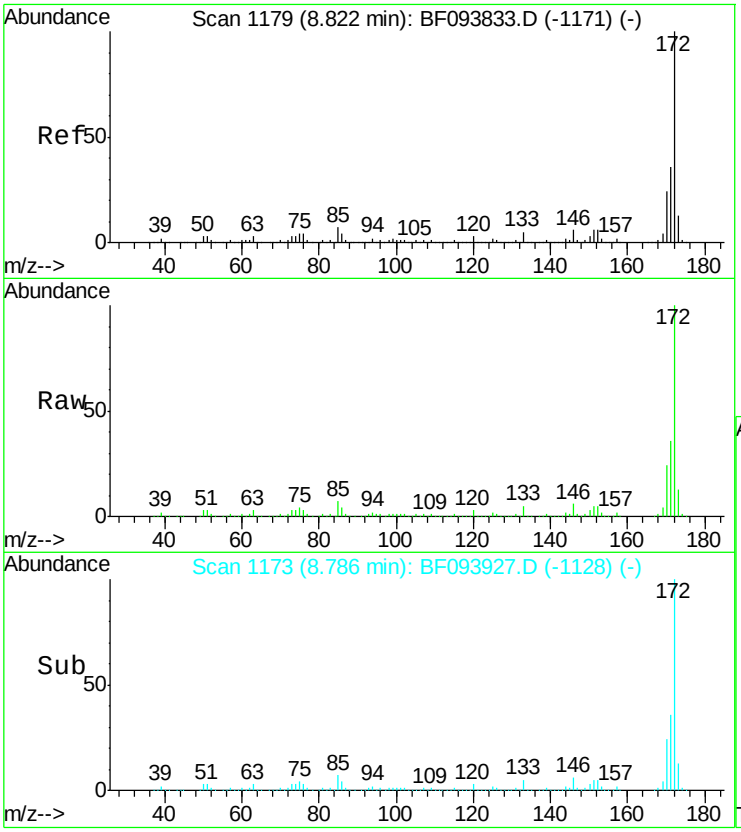


#41
2,4,6-Tribromophenol
Concen: 54.36 ng
RT: 10.57 min Scan# 1477
Delta R.T. -0.04 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:330 Resp: 114285

Ion	Ratio	Lower	Upper
330	100		
332	94.3	76.6	115.0
141	44.0	31.4	47.2

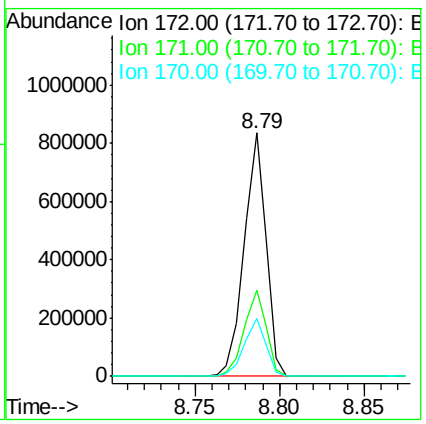




#44
2-Fluorobiphenyl
Concen: 43.59 ng
RT: 8.79 min Scan# 1173
Delta R.T. -0.04 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:172 Resp: 760350

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	23.9	19.8	29.8



Instrument :
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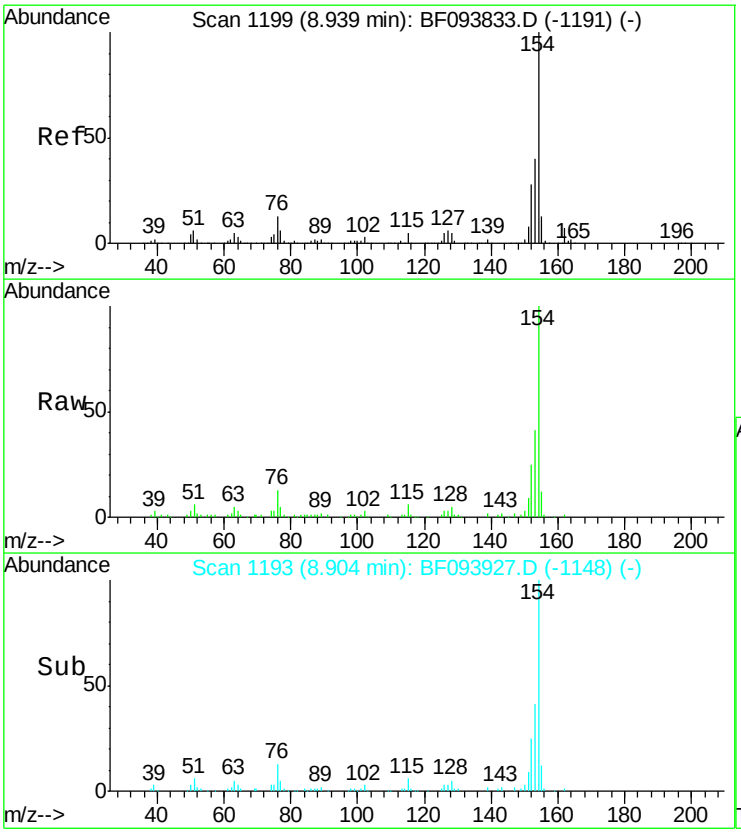
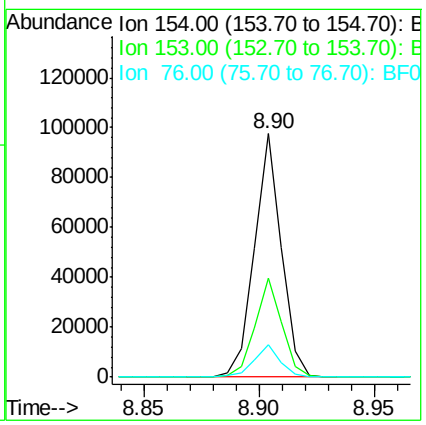
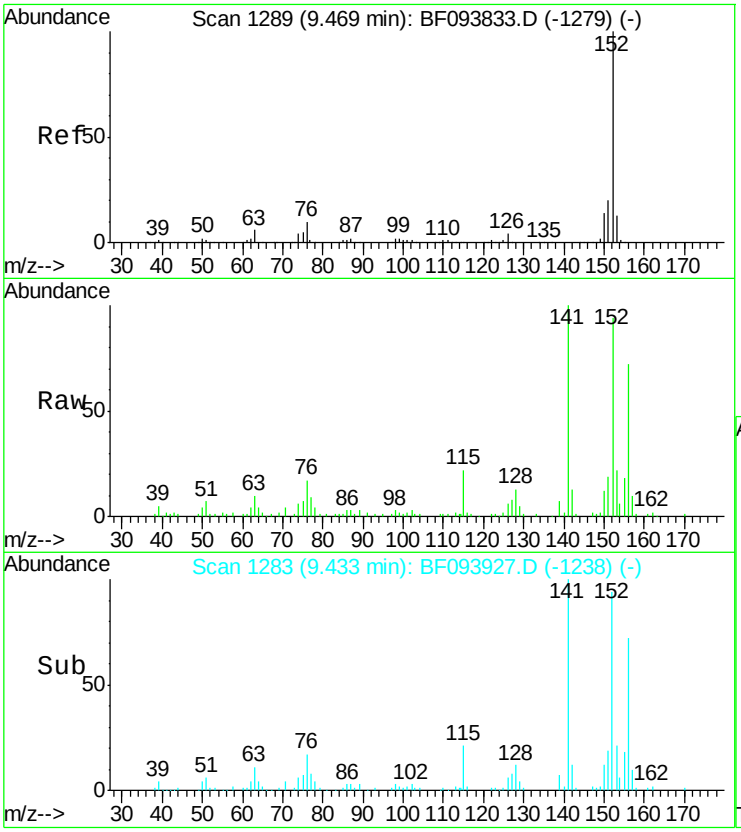


#45
1,1'-Biphenyl
Concen: 3.71 ng
RT: 8.90 min Scan# 1193
Delta R.T. -0.04 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:154 Resp: 79704

Ion	Ratio	Lower	Upper
154	100		
153	40.8	21.2	61.2
76	13.4	0.0	29.9

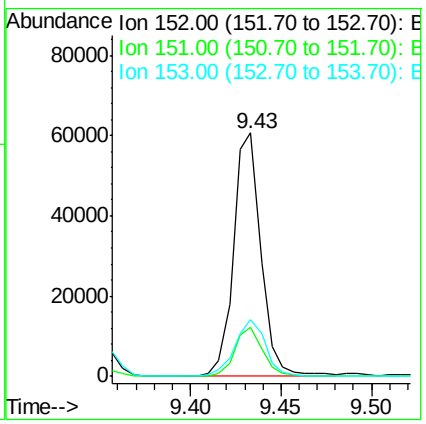




#48
Acenaphthylene
Concen: 2.30 ng
RT: 9.43 min Scan# 1283
Delta R.T. -0.04 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:152 Resp: 64169

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.8	25.2
153	23.2	10.8	16.2#



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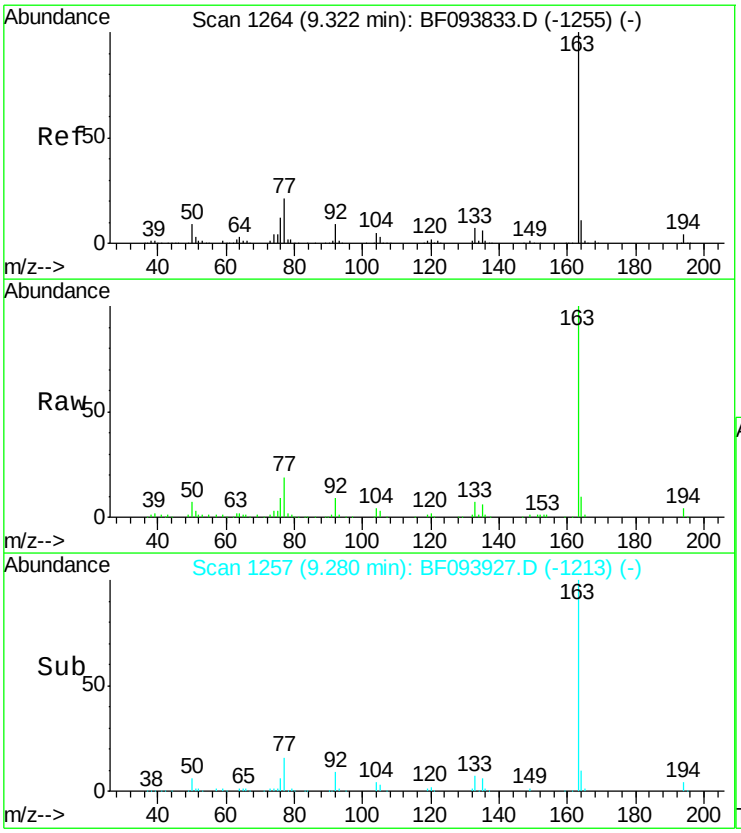
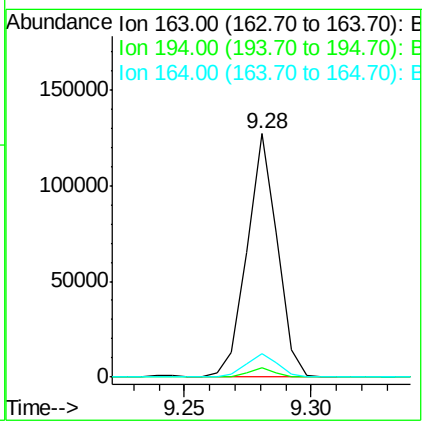
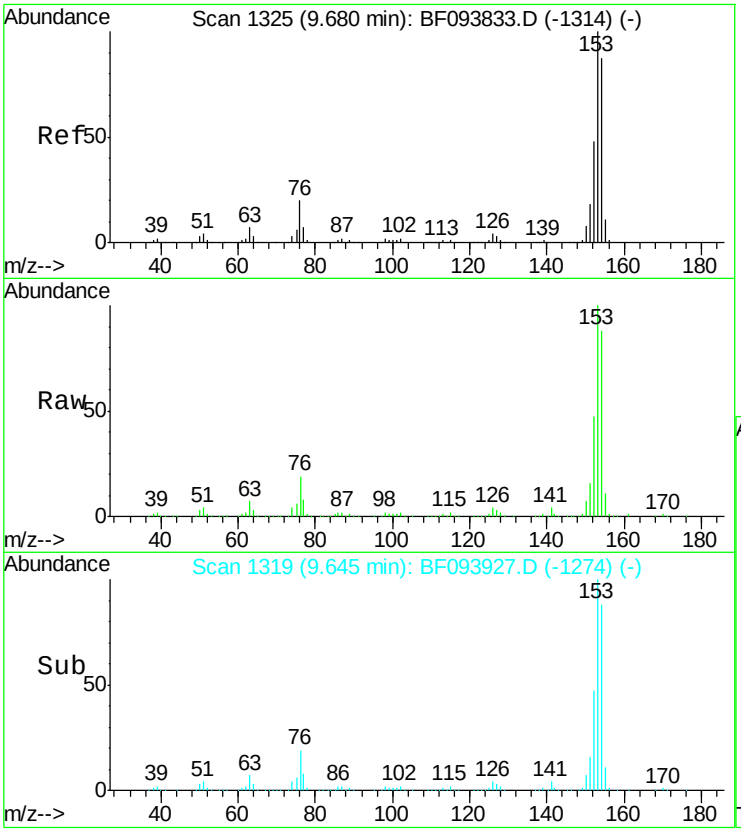


#49
Dimethylphthalate
Concen: 5.57 ng
RT: 9.28 min Scan# 1257
Delta R.T. -0.04 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:163 Resp: 105414

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.6	4.0
164	9.8	8.4	12.6

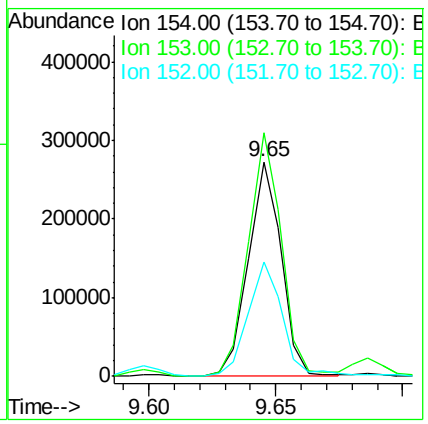




#51
Acenaphthene
Concen: 15.02 ng
RT: 9.65 min Scan# 1319
Delta R.T. -0.04 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:154 Resp: 244638

Ion	Ratio	Lower	Upper
154	100		
153	113.7	90.5	135.7
152	53.4	43.6	65.4



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ClientSampleId :
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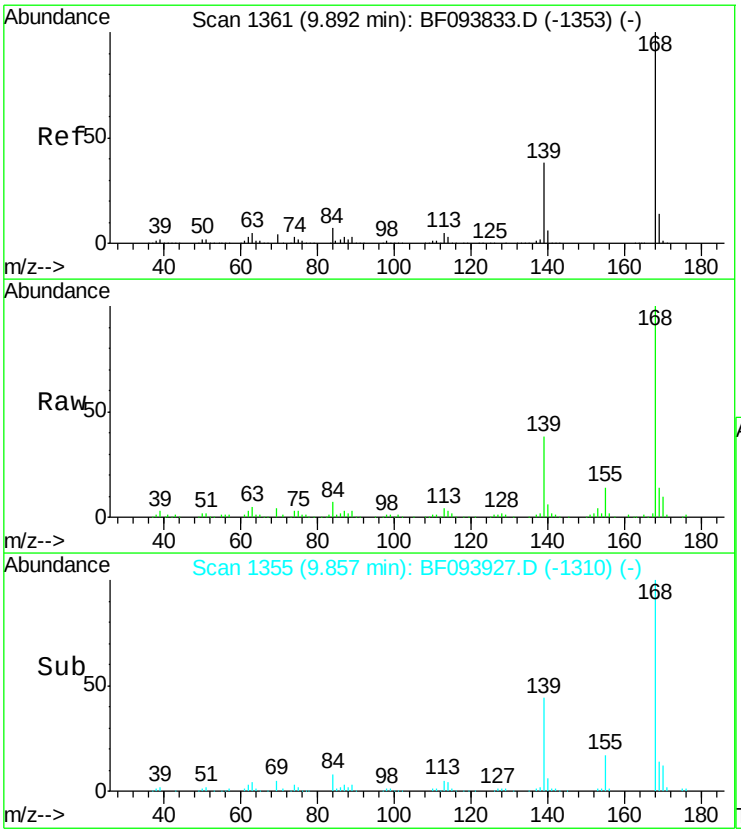
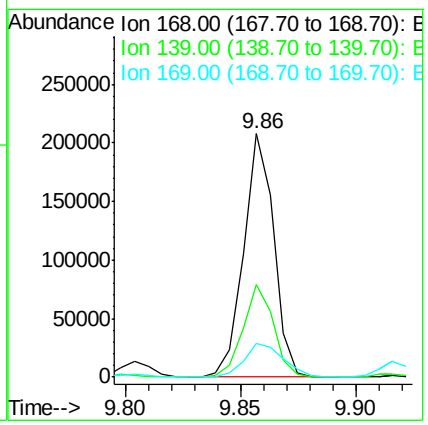
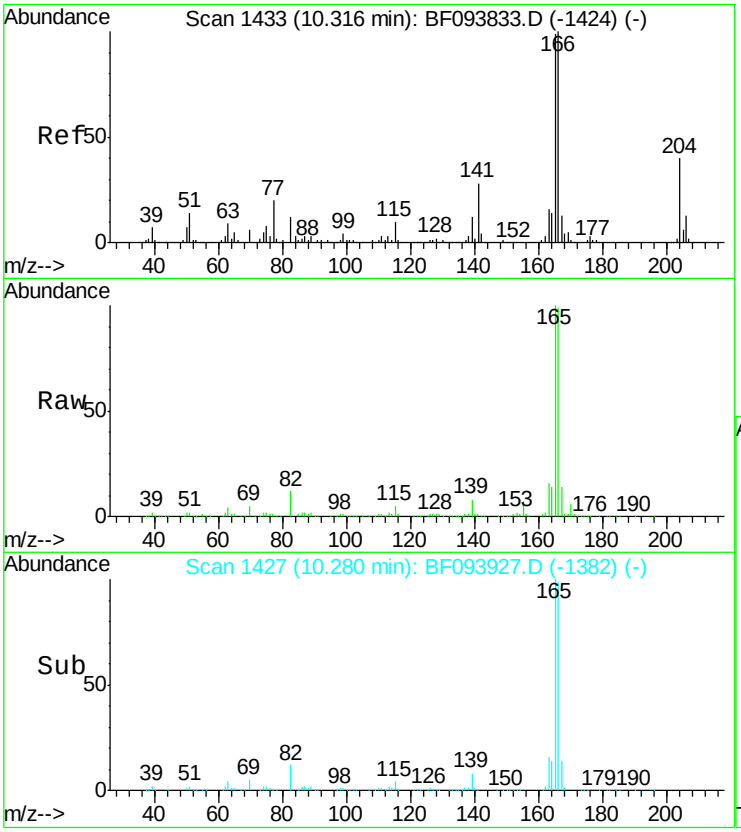


#54
Dibenzofuran
Concen: 8.58 ng
RT: 9.86 min Scan# 1355
Delta R.T. -0.04 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:168 Resp: 190146

Ion	Ratio	Lower	Upper
168	100		
139	37.8	30.6	45.8
169	13.7	10.8	16.2

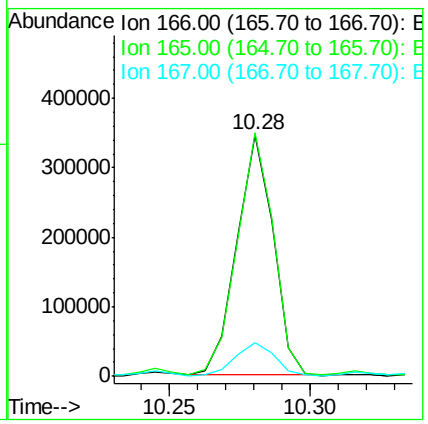




#57
Fluorene
Concen: 16.84 ng
RT: 10.28 min Scan# 1427
Delta R.T. -0.04 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:166 Resp: 309730

Ion	Ratio	Lower	Upper
166	100		
165	100.8	78.8	118.2
167	14.2	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
E2-R15-SSW

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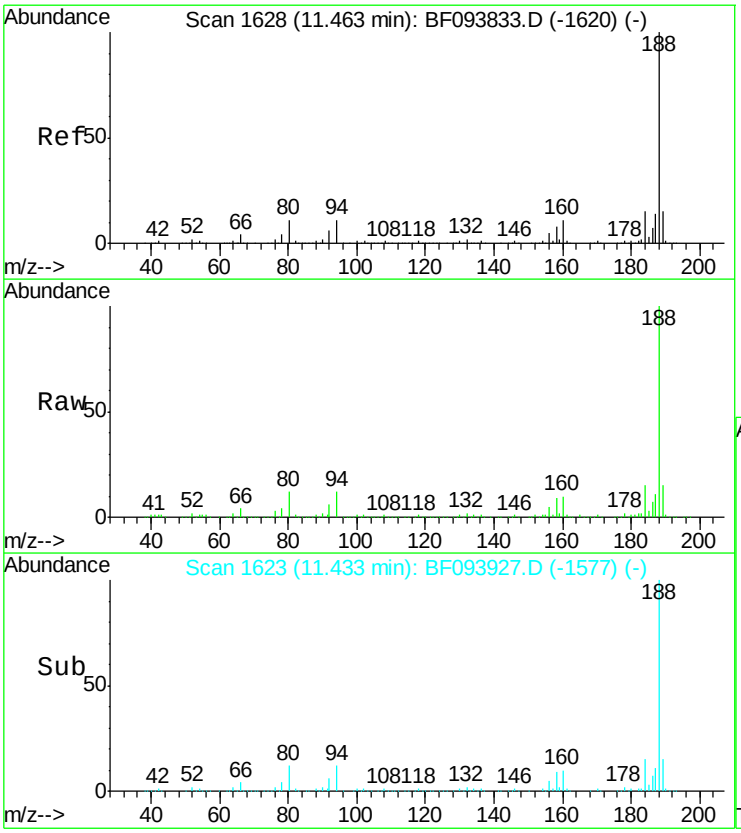
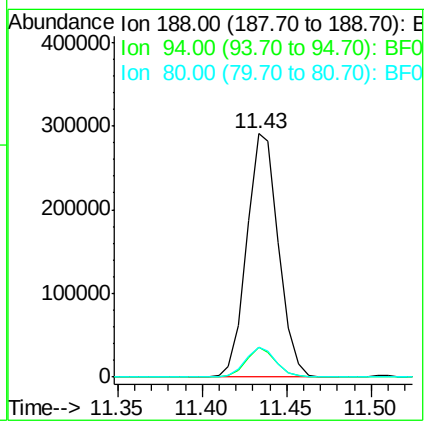
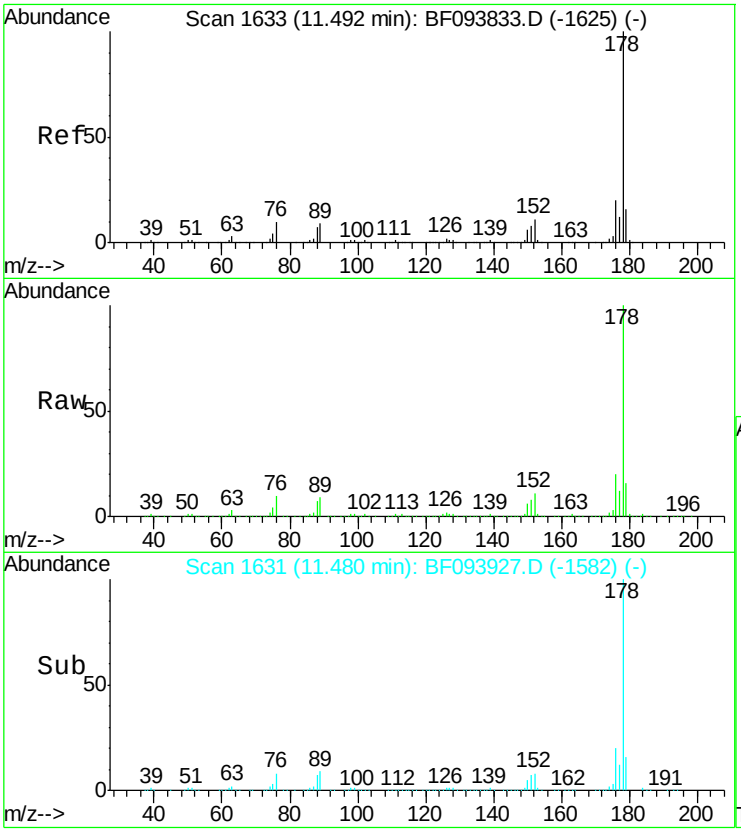


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 1623
Delta R.T. -0.03 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:188 Resp: 380023

Ion	Ratio	Lower	Upper
188	100		
94	12.1	9.4	14.2
80	12.1	10.2	15.2

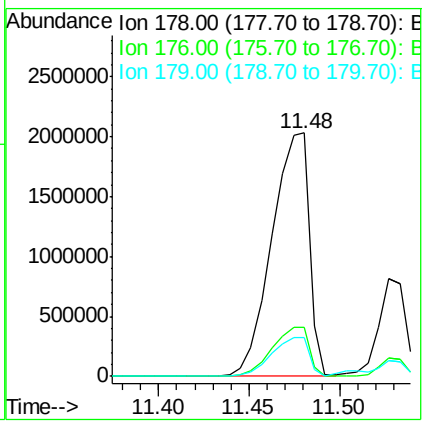




#70
Phenanthrene
Concen: 139.11 ng
RT: 11.48 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:178 Resp: 2940795

Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.2	24.4
179	16.0	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
E2-R15-SSW

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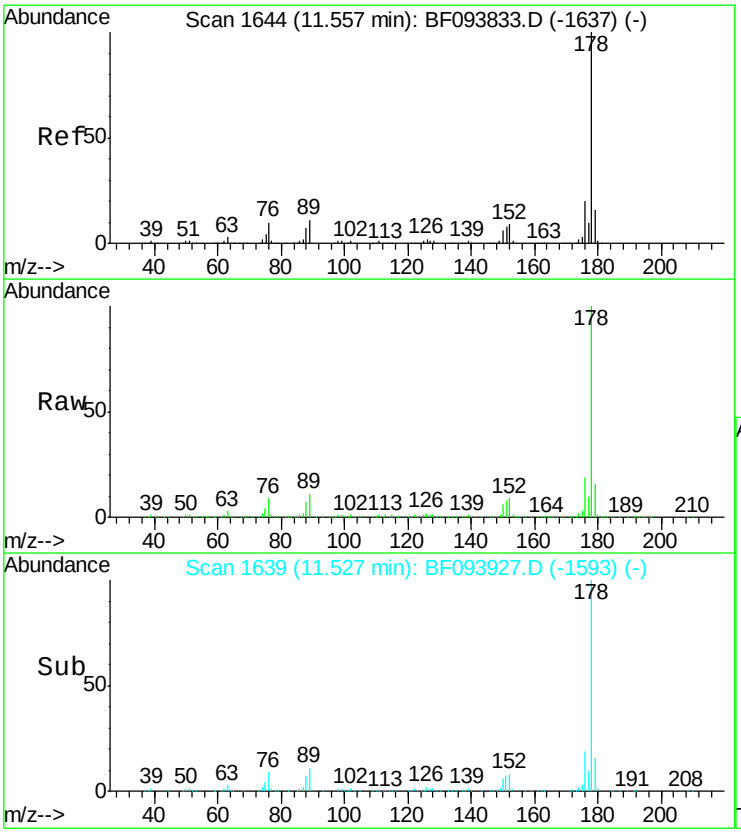
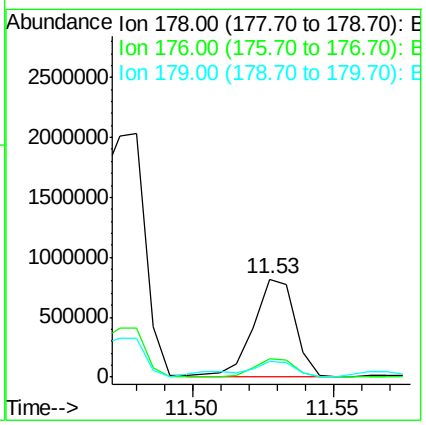
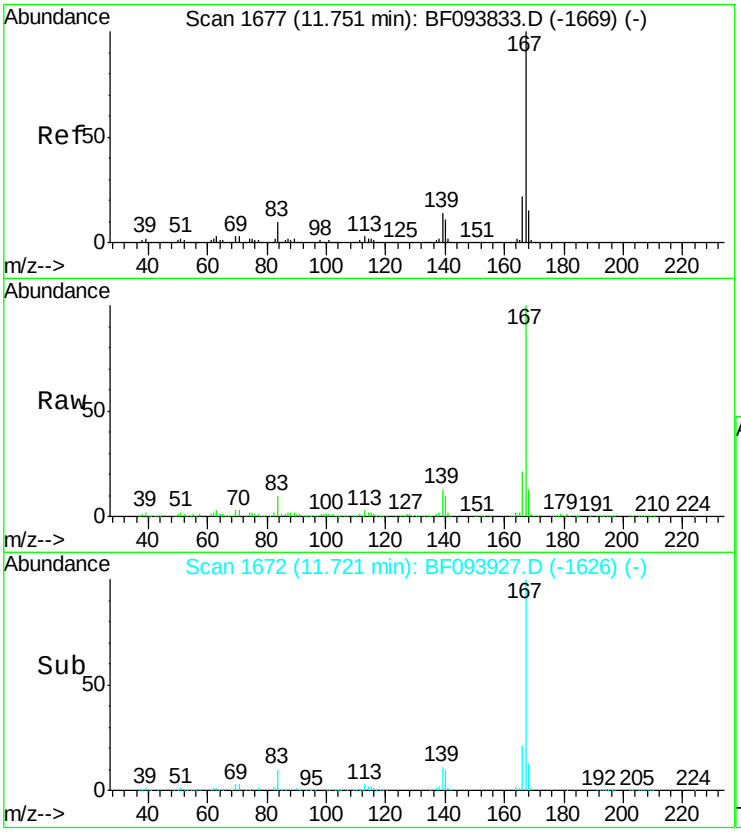


#71
Anthracene
Concen: 38.22 ng
RT: 11.53 min Scan# 1639
Delta R.T. -0.03 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:178 Resp: 831902

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.7	12.7	19.1

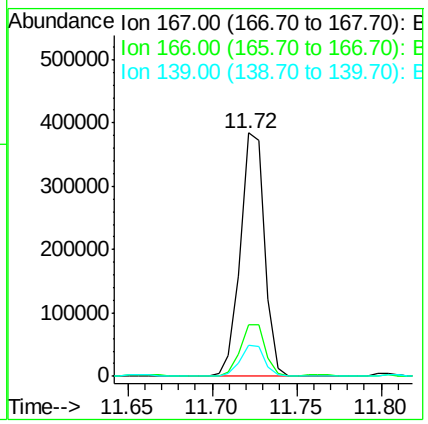




#72
Carbazole
Concen: 17.22 ng
RT: 11.72 min Scan# 1672
Delta R.T. -0.03 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:167 Resp: 384375

Ion	Ratio	Lower	Upper
167	100		
166	21.2	18.1	27.1
139	12.7	11.7	17.5



Instrument :
BNA_F
ClientSampleId :
E2-R15-SSW

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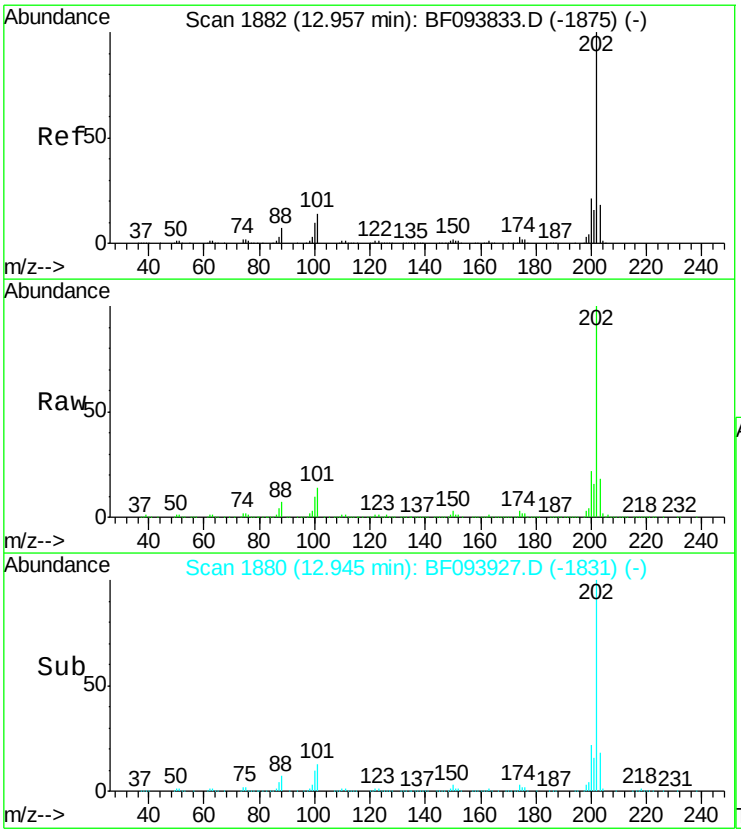
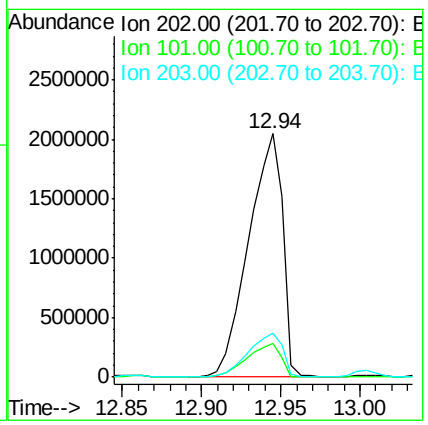
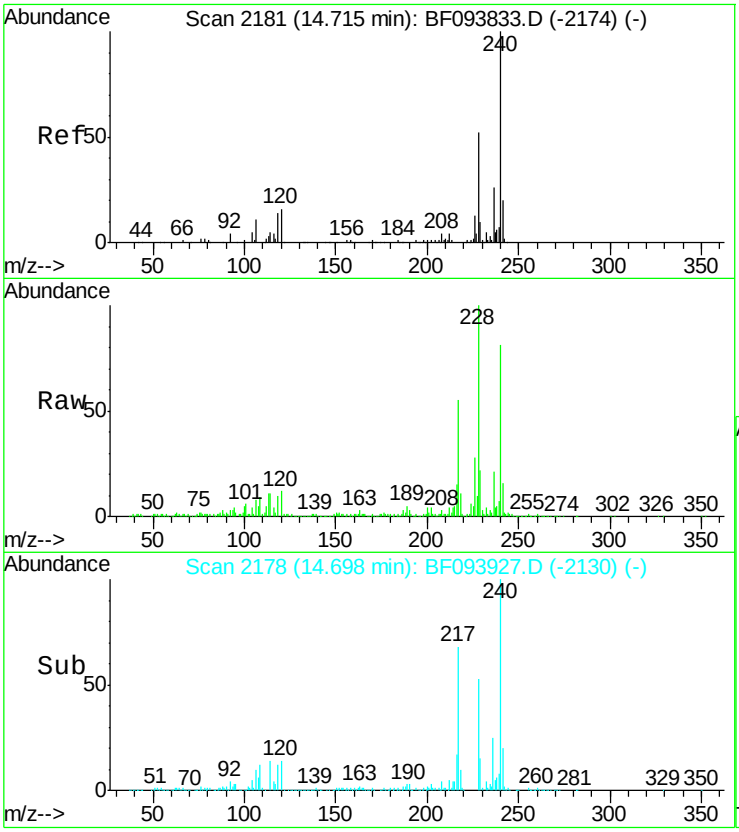


#74
Fluoranthene
Concen: 141.07 ng
RT: 12.94 min Scan# 1880
Delta R.T. -0.01 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:202 Resp: 3053651

Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	33.2
203	18.2	0.0	38.1





#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.70 min Scan# 2178
Delta R.T. -0.02 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:240 Resp: 268661

Ion	Ratio	Lower	Upper
240	100		
120	14.3	5.8	8.8#
236	25.6	20.5	30.7

Instrument :
BNA_F
ClientSampleId :
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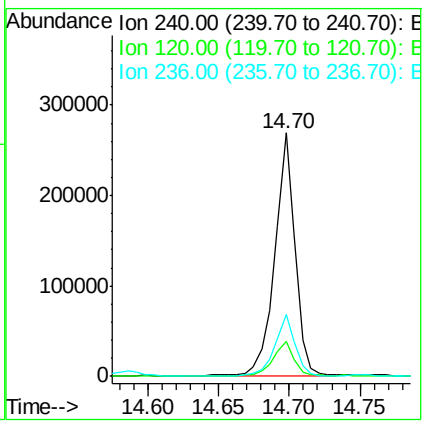
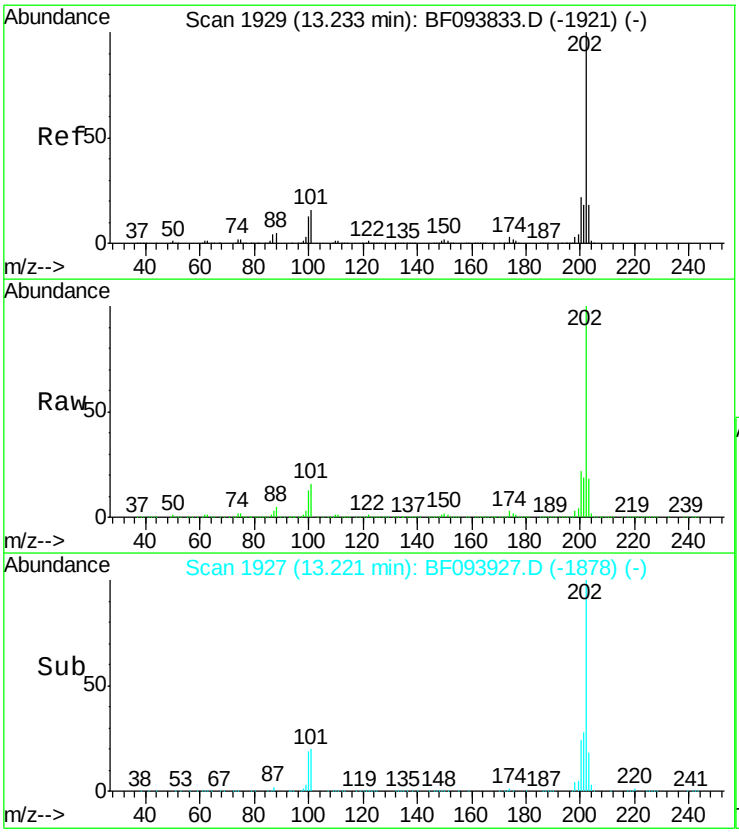
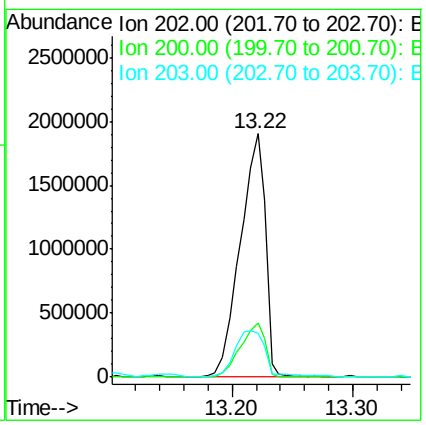


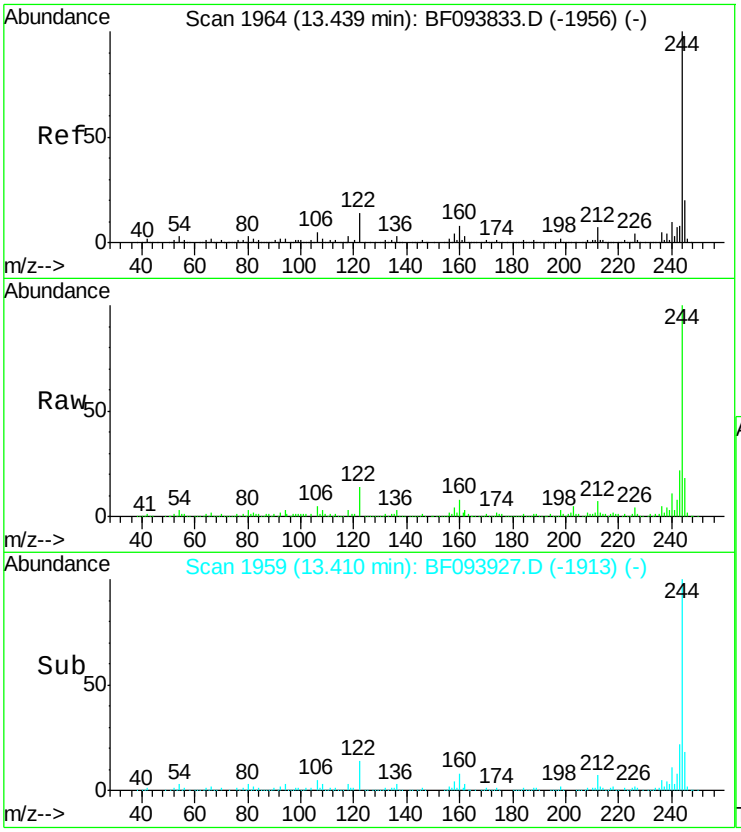


#77
Pyrene
Concen: 141.79 ng
RT: 13.22 min Scan# 1927
Delta R.T. -0.01 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:202 Resp: 2764656

Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.6	26.4
203	18.2	14.4	21.6

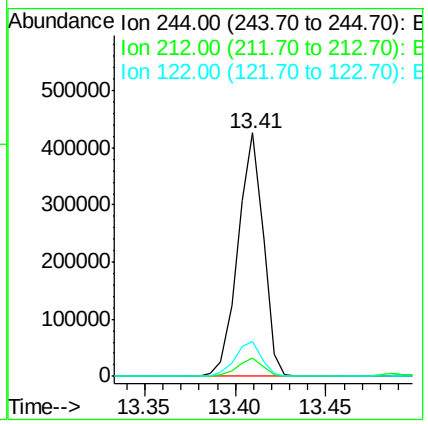




#78
Terphenyl-d14
Concen: 34.51 ng
RT: 13.41 min Scan# 1959
Delta R.T. -0.03 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:244 Resp: 413622

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	14.2	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
E2-R15-SSW

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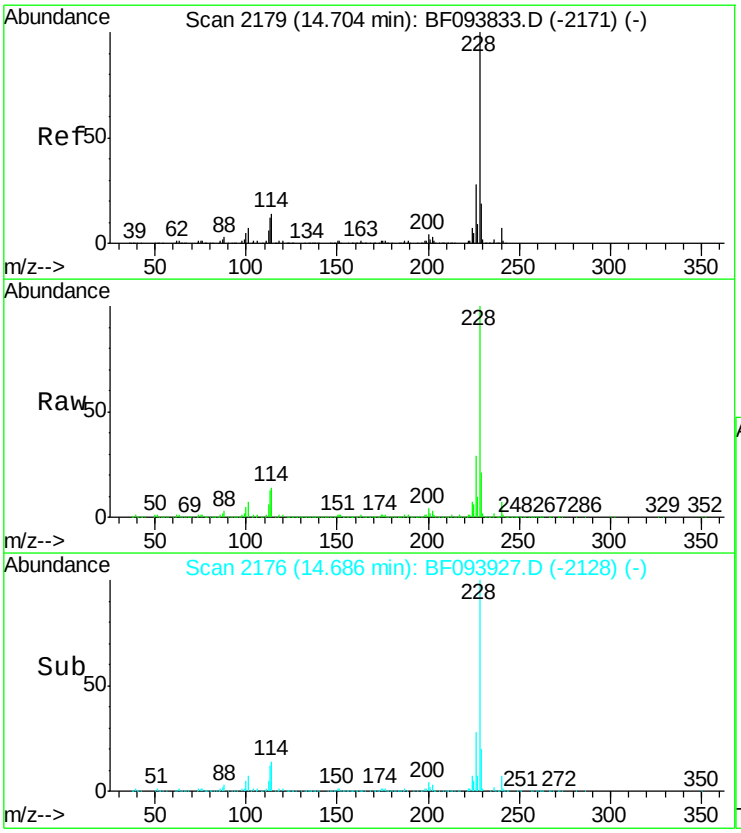
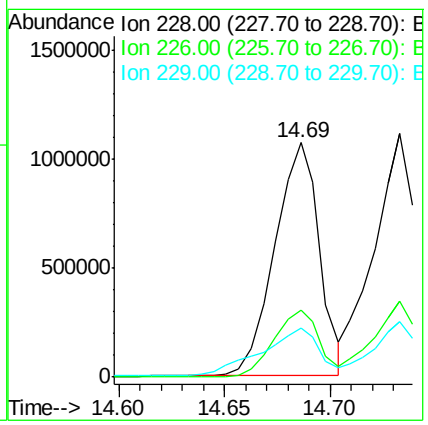
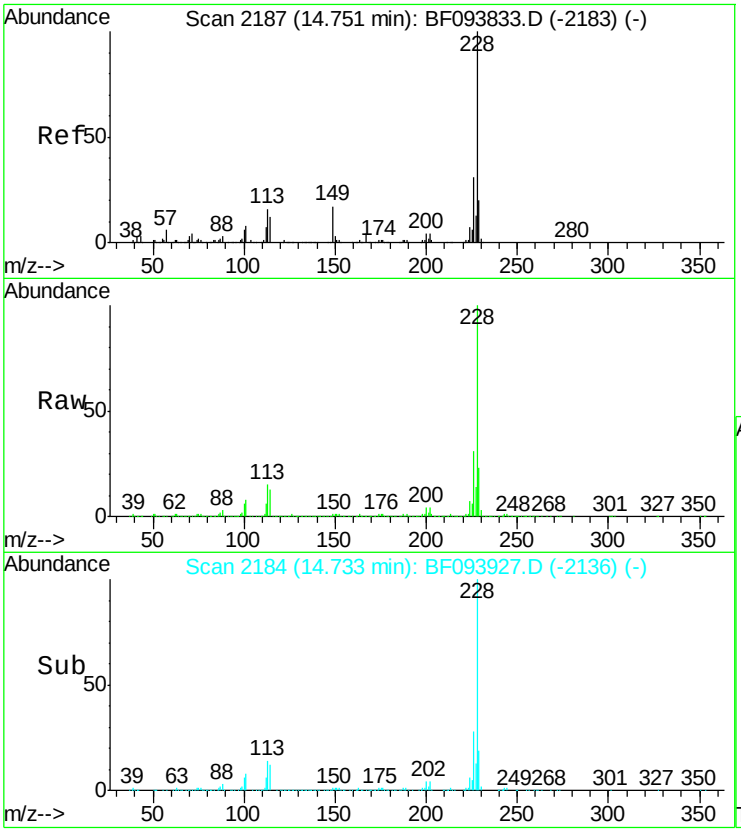


#80
Benzo(a)anthracene
Concen: 100.50 ng
RT: 14.69 min Scan# 2176
Delta R.T. -0.02 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:228 Resp: 1574533

Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	21.1	16.3	24.5

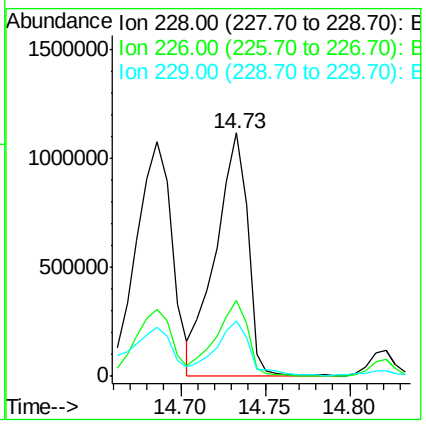




#82
Chrysene
Concen: 100.89 ng
RT: 14.73 min Scan# 2184
Delta R.T. -0.02 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:228 Resp: 1466834

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	22.8	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
E2-R15-SSW

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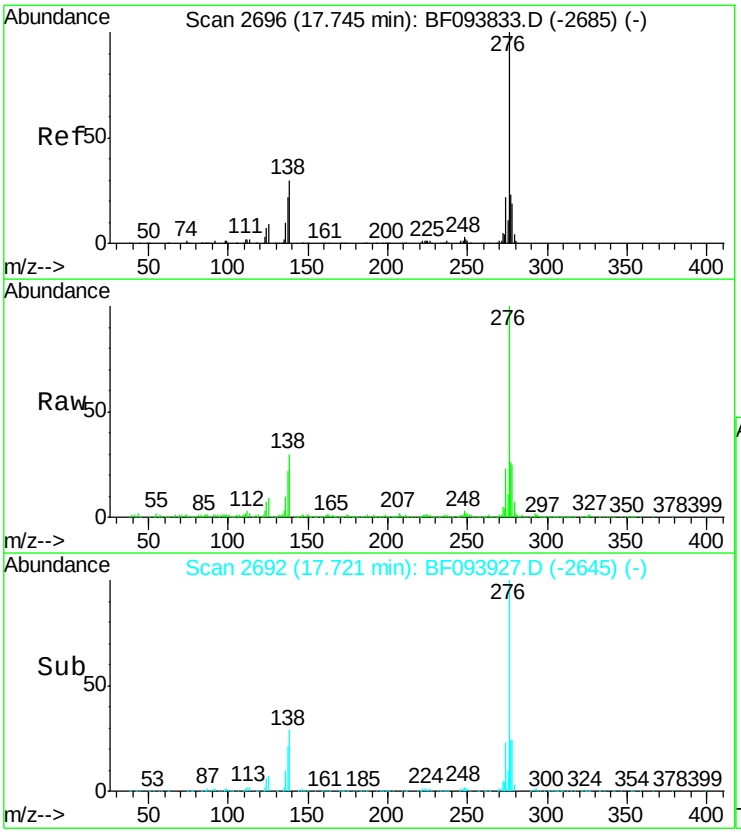
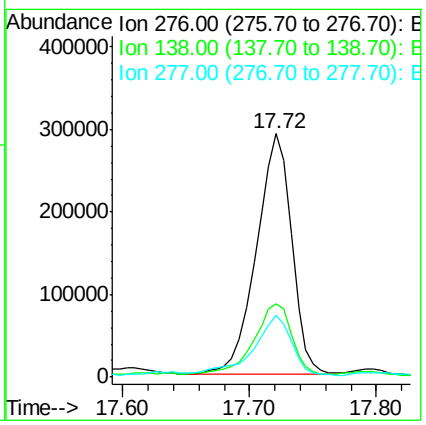
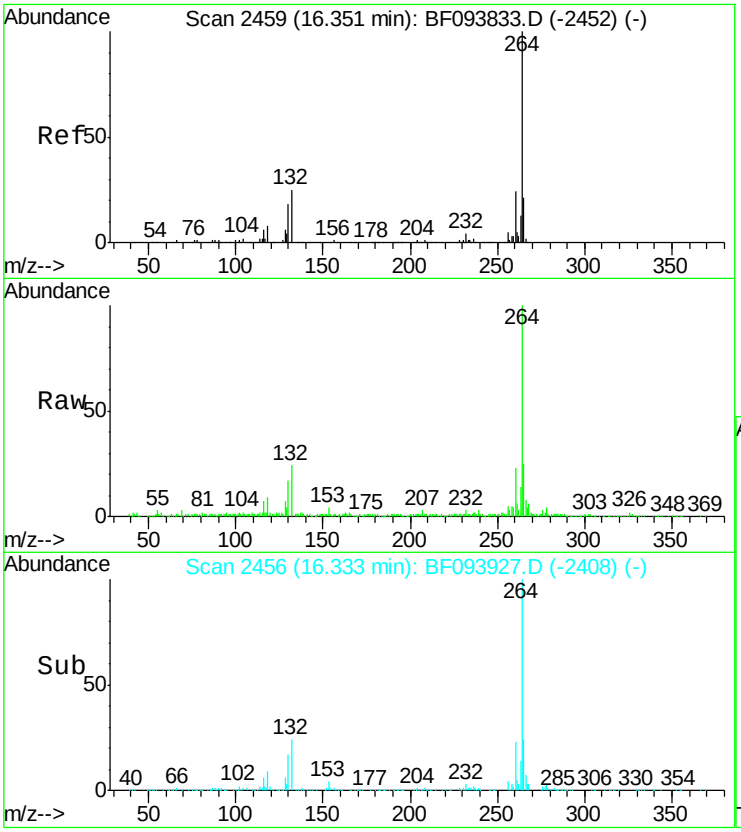


#85
Indeno(1,2,3-cd)pyrene
Concen: 44.51 ng
RT: 17.72 min Scan# 2692
Delta R.T. -0.02 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:276 Resp: 560442

Ion	Ratio	Lower	Upper
276	100		
138	31.7	27.8	41.6
277	28.4	20.2	30.4

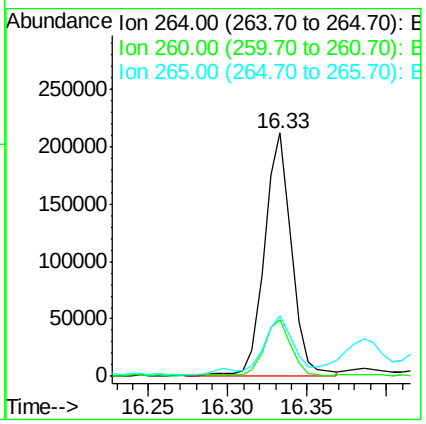




#86
Perylene-d12
Concen: 20.00 ng
RT: 16.33 min Scan# 2456
Delta R.T. -0.02 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:264 Resp: 251689

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	24.7	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
E2-R15-SSW

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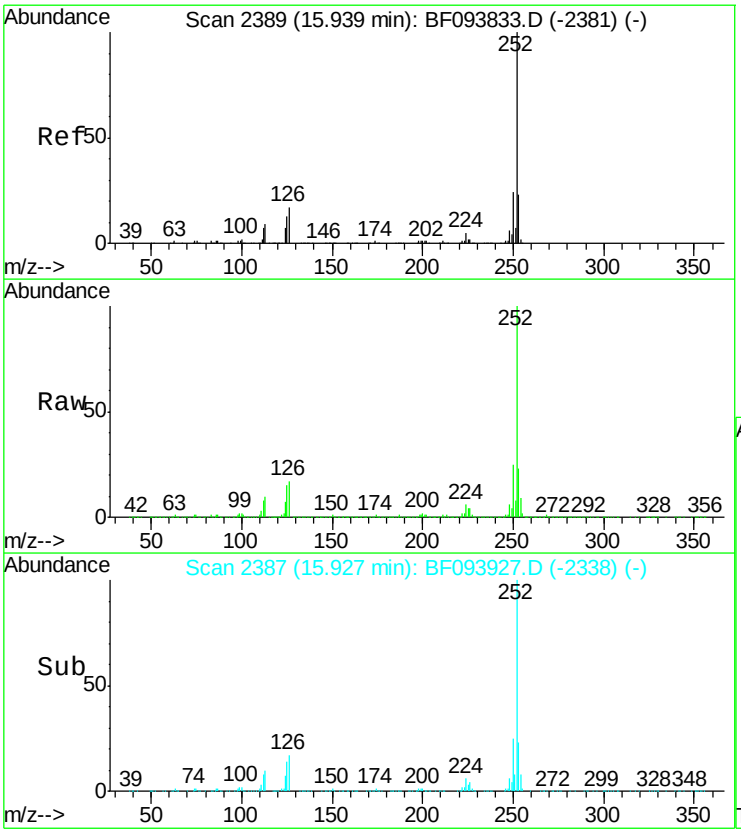
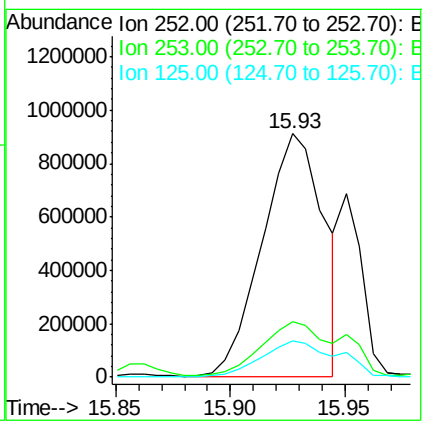
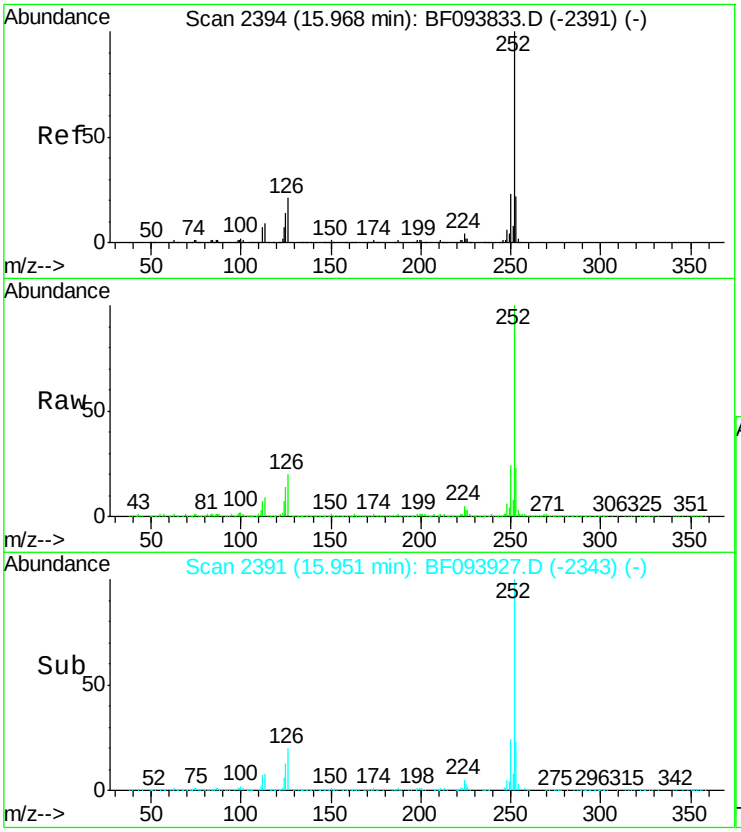


#87
Benzo(b)fluoranthene
Concen: 111.36 ng m
RT: 15.93 min Scan# 2387
Delta R.T. -0.01 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:252 Resp: 1718078

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	14.6	9.8	14.8

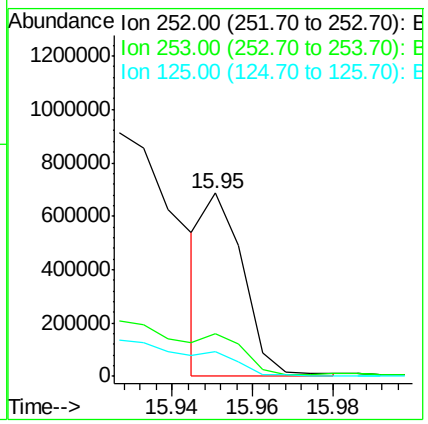




#88
Benzo(k)fluoranthene
Concen: 30.51 ng m
RT: 15.95 min Scan# 2391
Delta R.T. -0.02 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:252 Resp: 460507

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.4	27.6
125	13.6	13.1	19.7



Instrument :
BNA_F
ClientSampleId :
E2-R15-SSW

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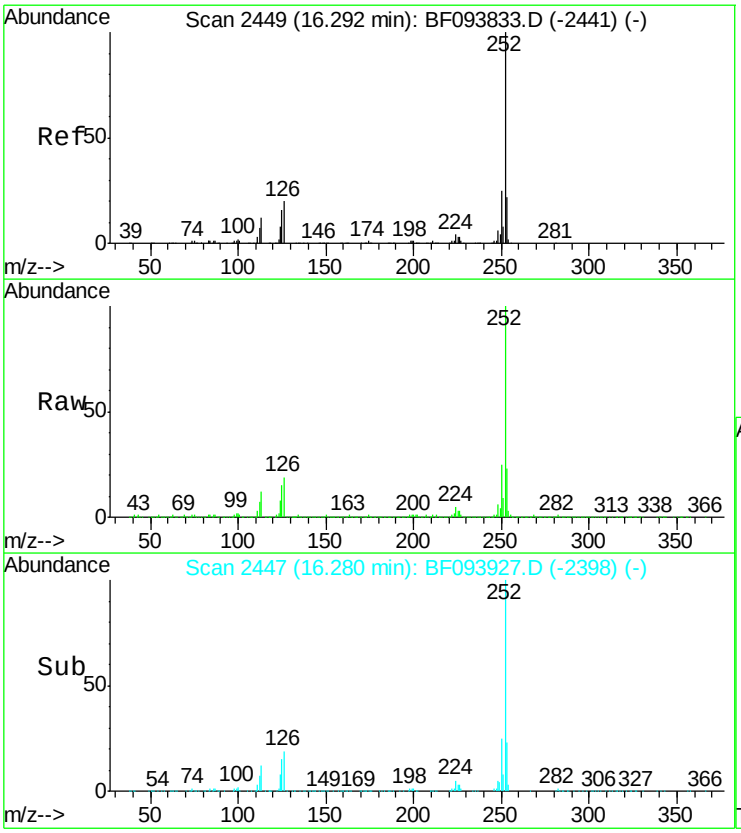
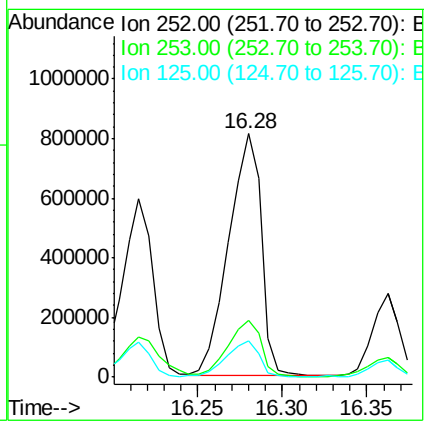
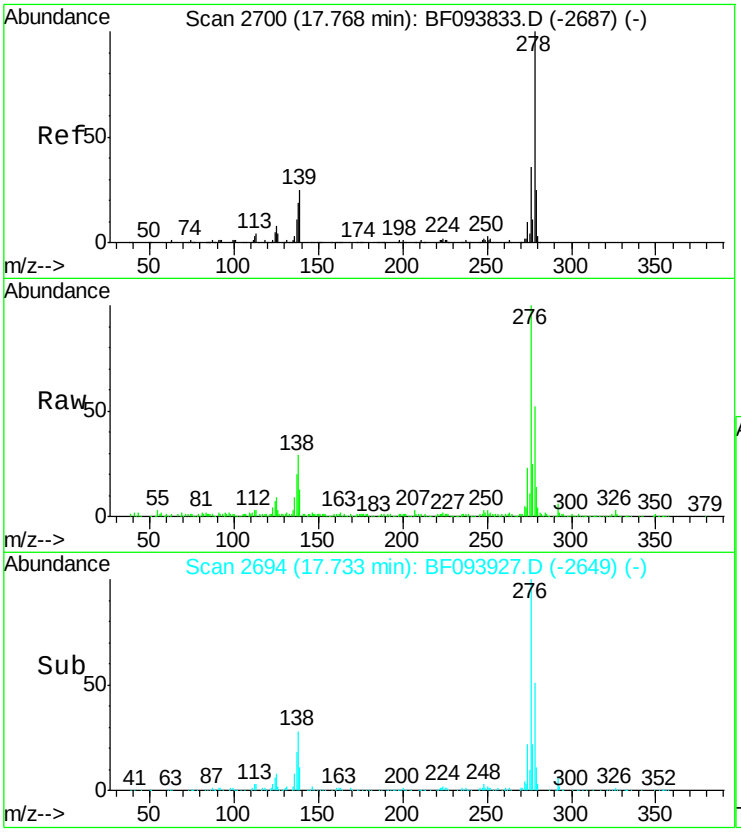


#89
Benzo(a)pyrene
Concen: 76.74 ng
RT: 16.28 min Scan# 2447
Delta R.T. -0.01 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:252 Resp: 1090297

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	15.1	11.0	16.4

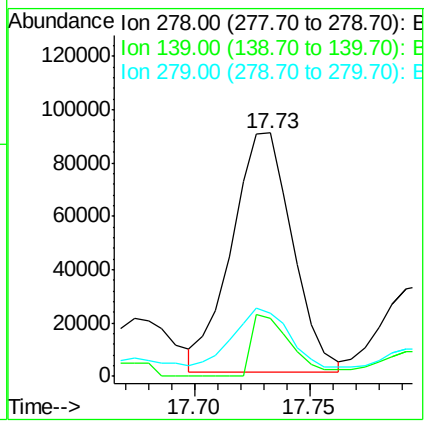




#90
Dibenzo(a,h)anthracene
Concen: 13.66 ng
RT: 17.73 min Scan# 2694
Delta R.T. -0.04 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:278 Resp: 164371

Ion	Ratio	Lower	Upper
278	100		
139	23.9	16.6	24.8
279	25.9	19.3	28.9



Instrument :
BNA_F
ClientSampleId :
E2-R15-SSW

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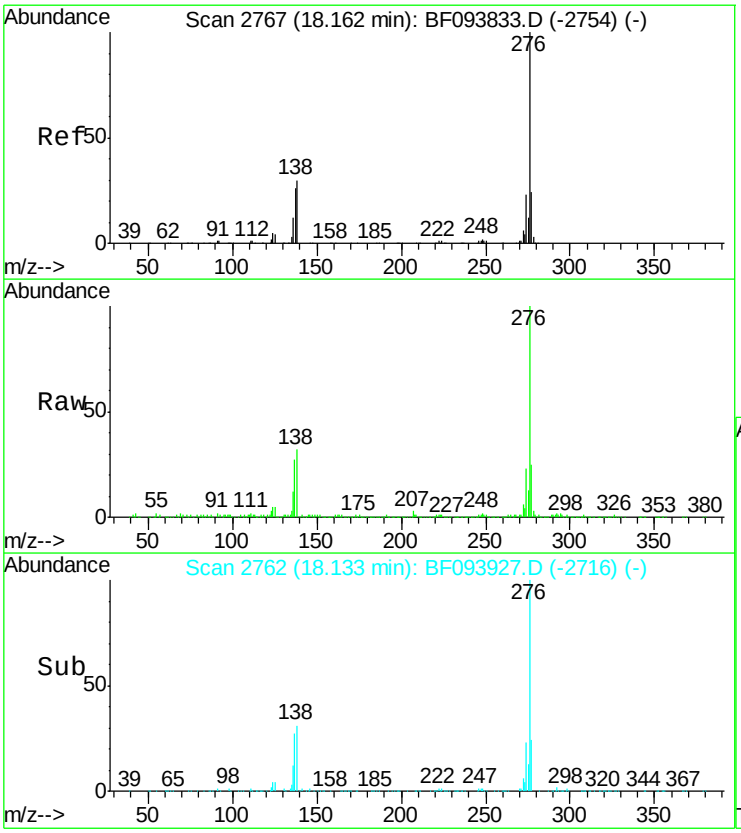

#91
Benzo(g,h,i)perylene
Concen: 40.78 ng
RT: 18.13 min Scan# 2762
Delta R.T. -0.03 min
Lab File: BF093927.D
Acq: 25 Mar 2017 00:47

Tgt Ion:276 Resp: 494436

Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	32.1	25.4	38.0