Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093270.D
Acq On : 1 Mar 2017 3:38
Operator : SJ/MA
Sample : I1973-10DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-GG9-BASEDL

Manual Integrations APPROVED
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3/1/2017 4:07:30 PM

Quant Time: Mar 01 06:27:40 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	128326	20.00	ng		-0.05
21) Naphthalene-d8	8.10	136	450213	20.00	ng		-0.05
38) Acenaphthene-d10	9.85	164	198796	20.00	ng		-0.05
63) Phenanthrene-d10	11.33	188	326029	20.00	ng		-0.05
75) Chrysene-d12	13.97	240	276155	20.00	ng		-0.05
86) Perylene-d12	15.40	264	192232	20.00	ng		-0.05
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	184432	24.66	ng		-0.03
7) Phenol-d6	6.45	99	251527	26.14	ng		-0.03
23) Nitrobenzene-d5	7.38	82	138410	17.12	ng		-0.05
41) 2,4,6-Tribromophenol	10.64	330	32096	22.32	ng		-0.05
44) 2-Fluorobiphenyl	9.17	172	218113	19.88	ng		-0.05
78) Terphenyl-d14	12.91	244	149827	12.75	ng		-0.06
Target Compounds							Qvalue
49) Dimethylphthalate	9.56	163	30331	2.27	ng		99
51) Acenaphthene	9.88	154	53581	4.61	ng		94
54) Dibenzofuran	10.05	168	31269	2.01	ng		94
57) Fluorene	10.40	166	48493m	4.05	ng		
70) Phenanthrene	11.36	178	784895	42.02	ng		99
71) Anthracene	11.41	178	218620	11.65	ng		97
72) Carbazole	11.57	167	70331	3.92	ng		96
74) Fluoranthene	12.55	202	1155592	59.98	ng		96
77) Pyrene	12.79	202	1209031	58.50	ng		99
80) Benzo(a)anthracene	13.96	228	550441	32.59	ng		98
82) Chrysene	14.00	228	393465	24.88	ng		98
85) Indeno(1,2,3-cd)pyrene	16.80	276	187721	15.33	ng		97
87) Benzo(b)fluoranthene	15.00	252	519396m	41.05	ng		
88) Benzo(k)fluoranthene	15.01	252	97710m	8.94	ng		
89) Benzo(a)pyrene	15.35	252	337133	30.80	ng		98
90) Dibenzo(a,h)anthracene	16.80	278	45518m	5.15	ng		
91) Benzo(g,h,i)perylene	17.21	276	181427	20.30	ng	#	87

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

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BNA_F
ClientSampleId :
E2-GG9-BASEDL

Manual Integrations APPROVED
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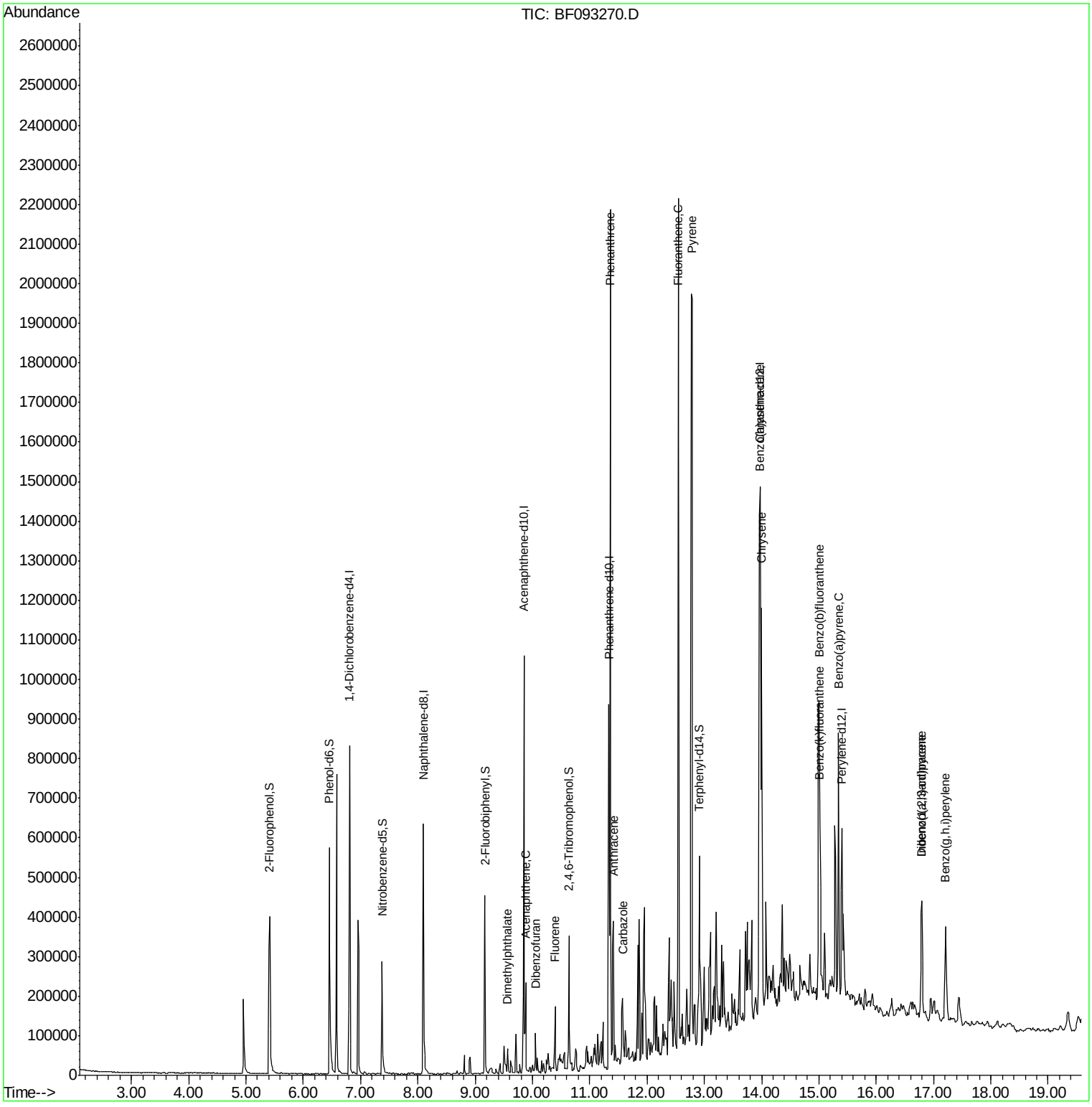
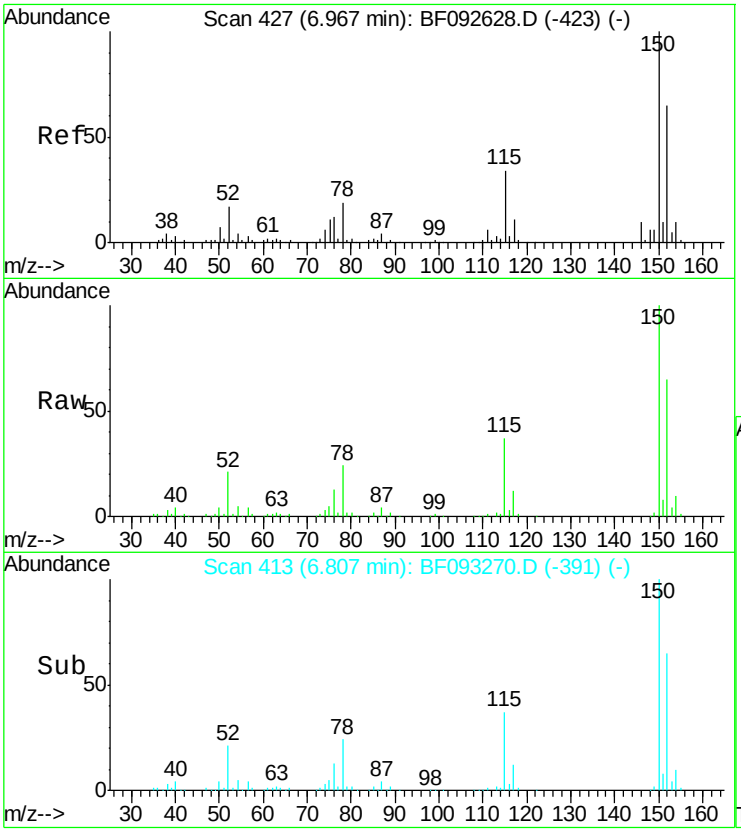
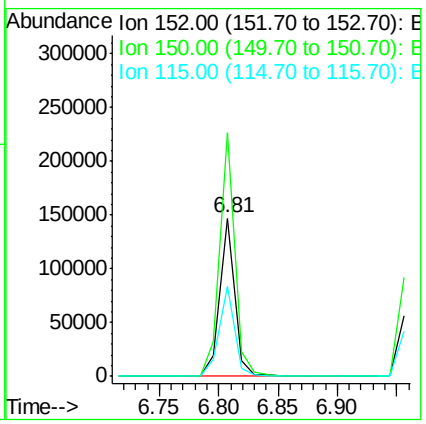




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:152 Resp: 128326

Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.9	187.3
115	57.1	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASEDL

Manual Integrations APPROVED
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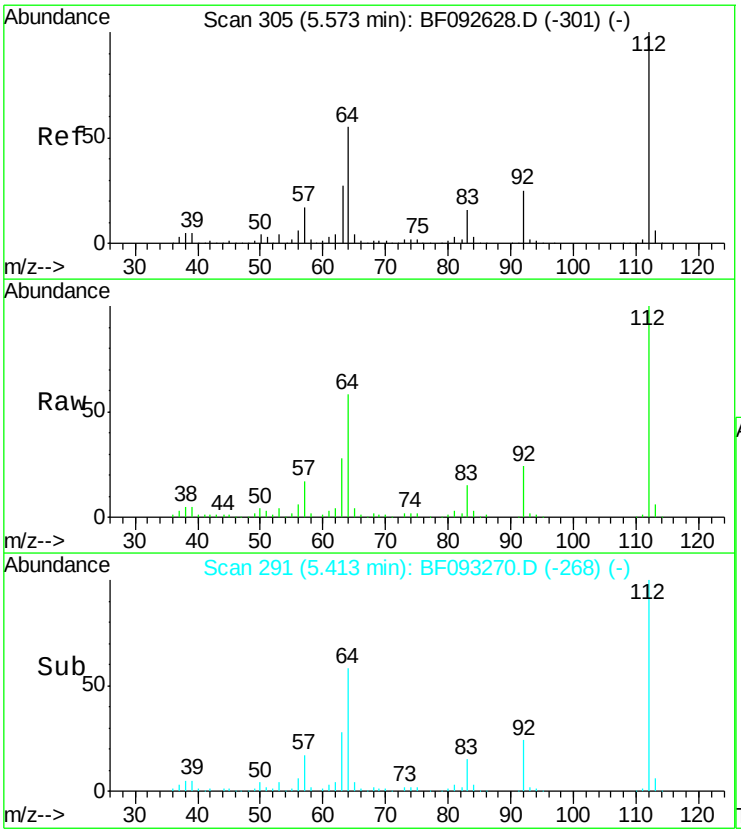
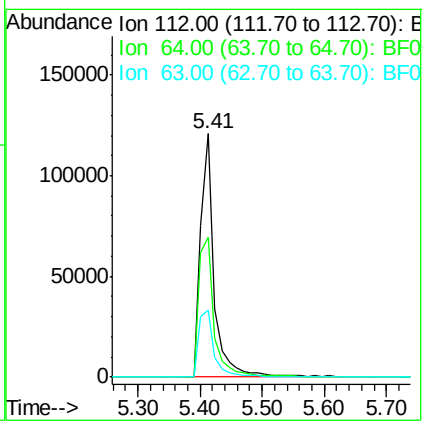
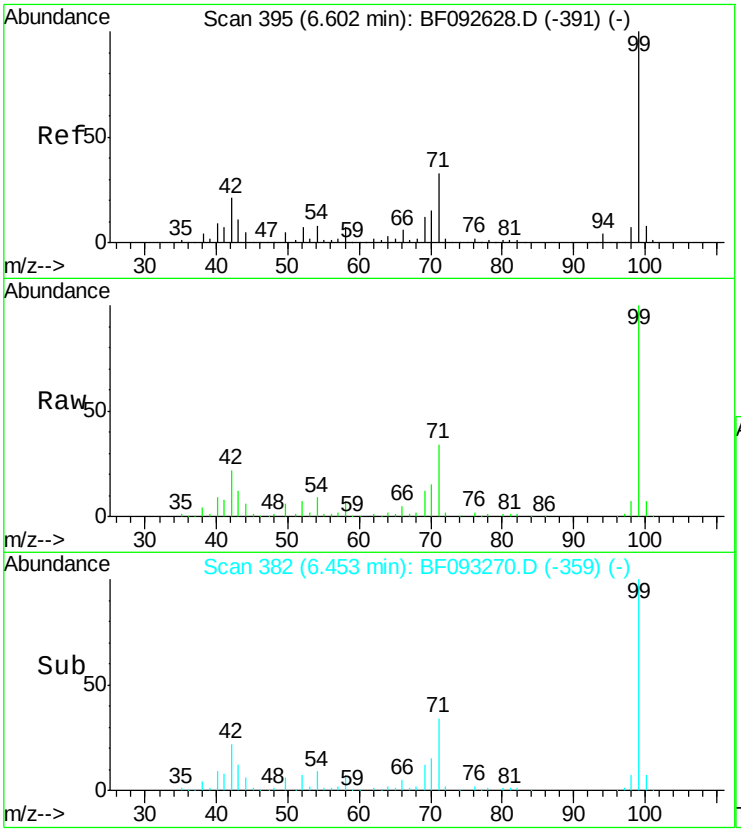


#5
2-Fluorophenol
Concen: 24.66 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.03 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:112 Resp: 184432

Ion	Ratio	Lower	Upper
112	100		
64	57.7	46.1	69.1
63	27.7	23.8	35.6

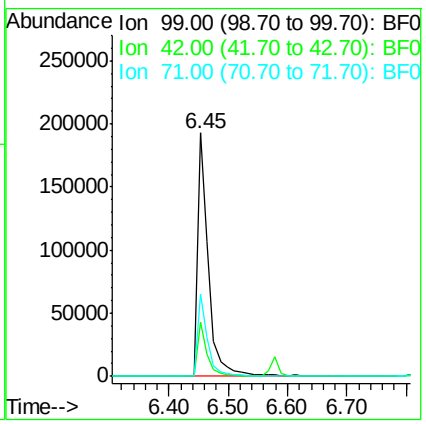




#7
Phenol-d6
Concen: 26.14 ng
RT: 6.45 min Scan# 382
Delta R.T. -0.03 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion: 99 Resp: 251527

Ion	Ratio	Lower	Upper
99	100		
42	22.3	15.6	23.4
71	33.7	27.5	41.3



Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASEDL

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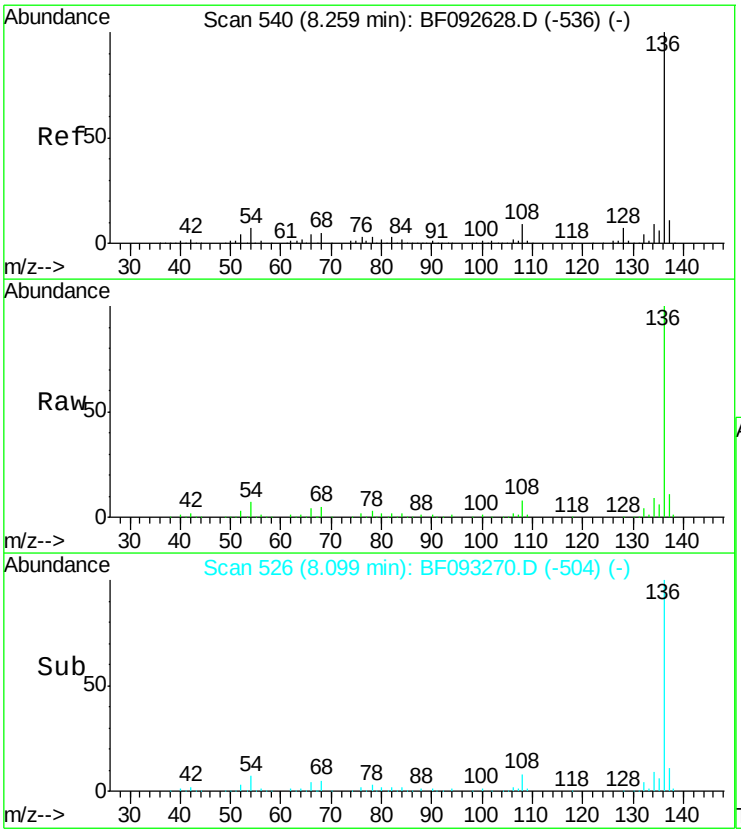
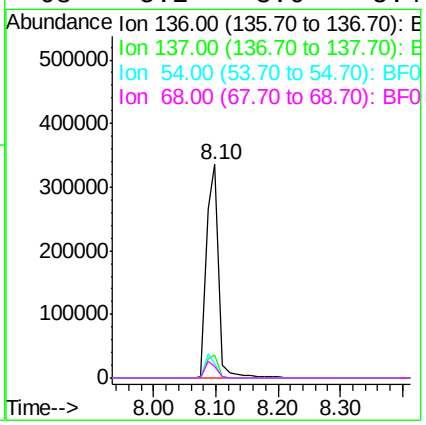
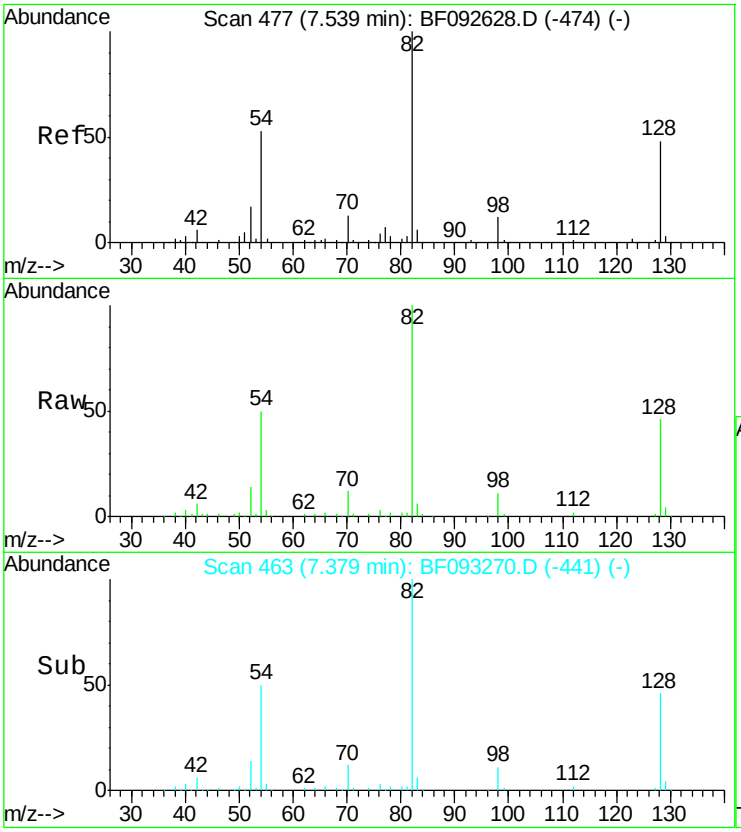


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.05 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:136 Resp: 450213

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	6.7	4.5	6.7#
68	5.2	3.6	5.4

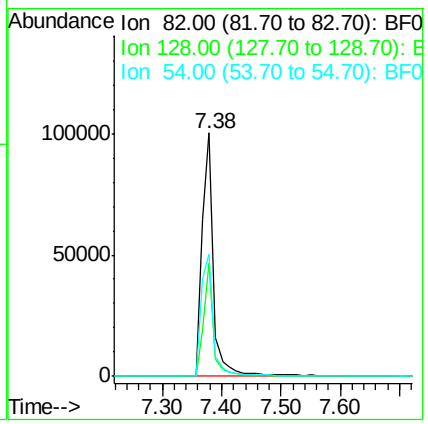




#23
Nitrobenzene-d5
Concen: 17.12 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion: 82 Resp: 138410

Ion	Ratio	Lower	Upper
82	100		
128	46.3	34.6	52.0
54	50.1	39.5	59.3



Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASEDL

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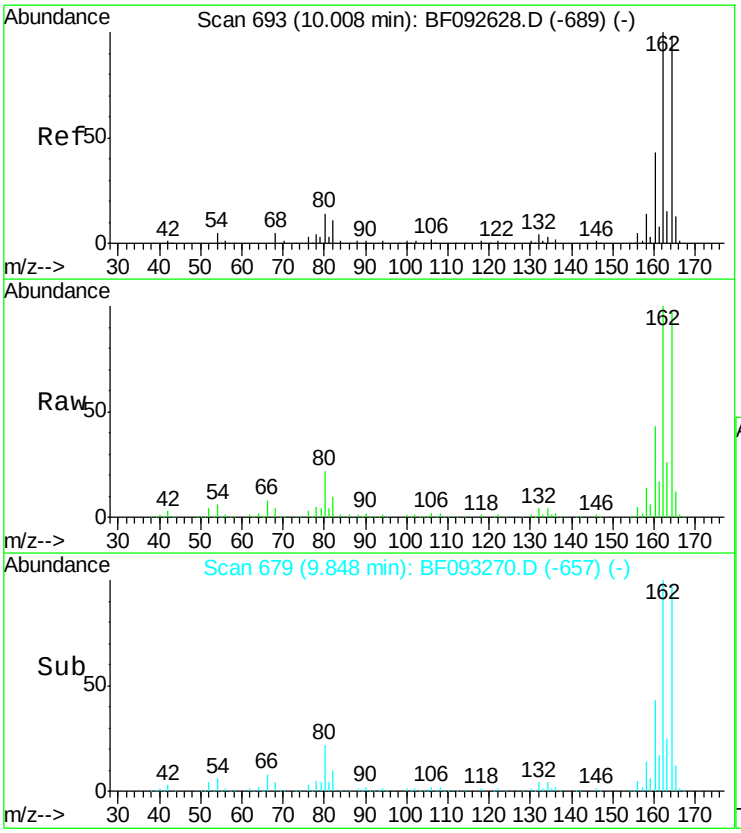
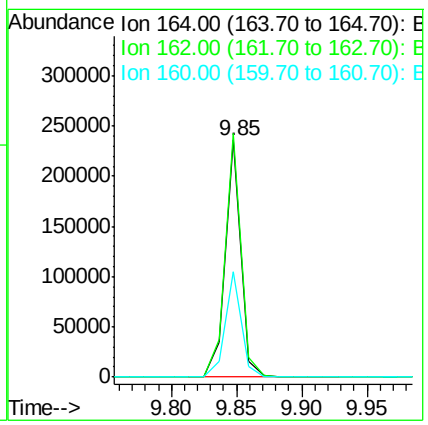
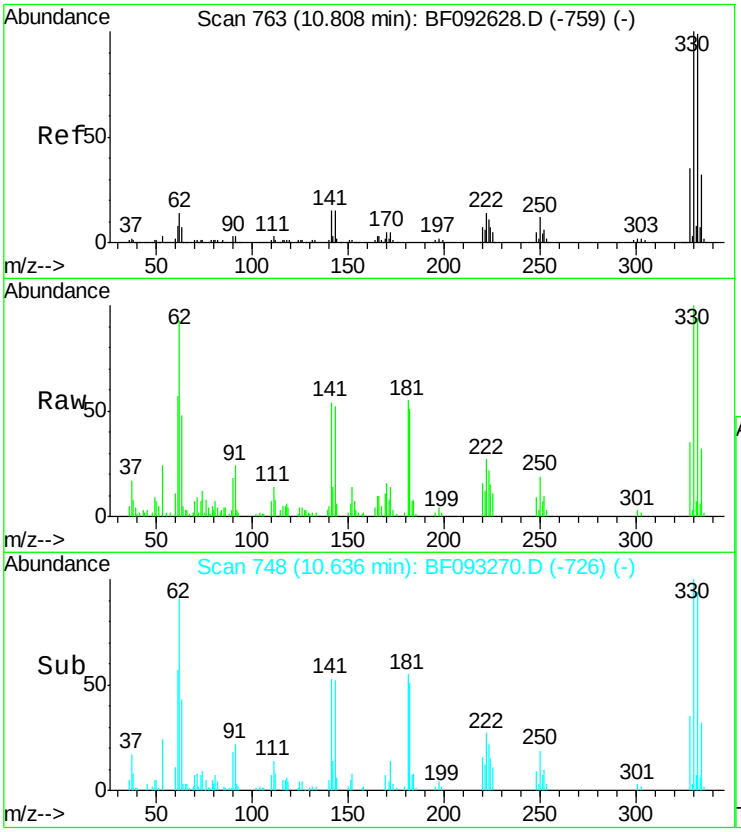


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.05 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:164 Resp: 198796

Ion	Ratio	Lower	Upper
164	100		
162	102.8	80.2	120.2
160	44.3	36.9	55.3

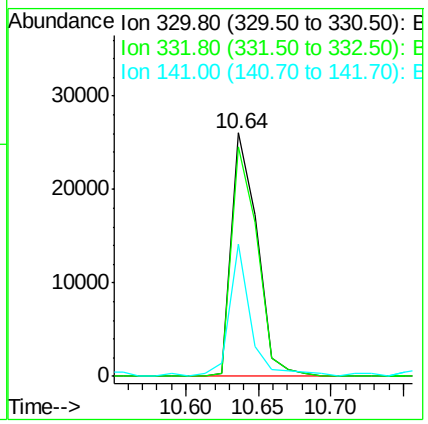




#41
2,4,6-Tribromophenol
Concen: 22.32 ng
RT: 10.64 min Scan# 748
Delta R.T. -0.05 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:330 Resp: 32096

Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.4	116.2
141	45.9	34.1	51.1



Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASEDL

Manual Integrations APPROVED
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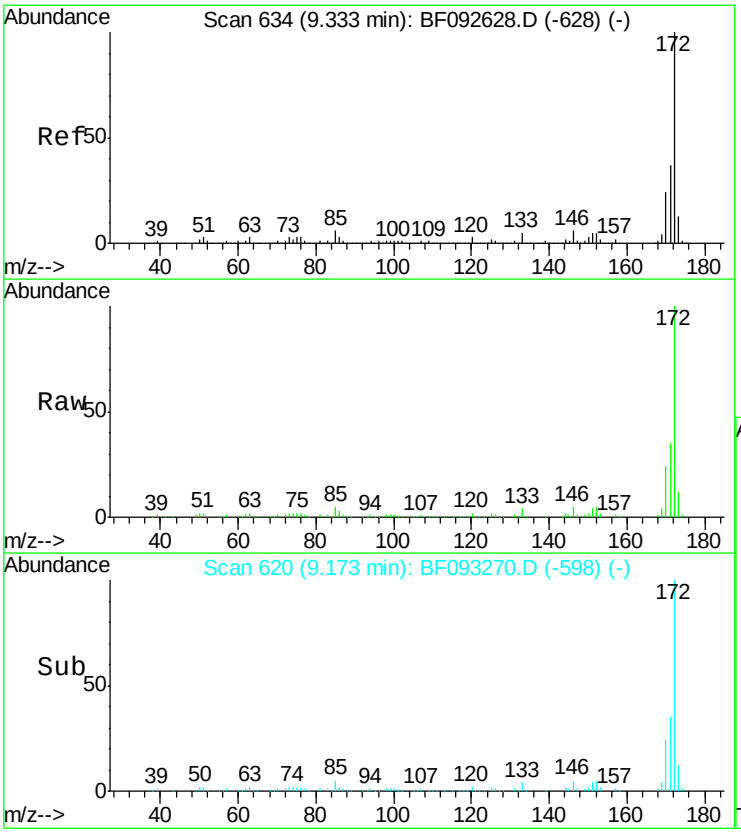
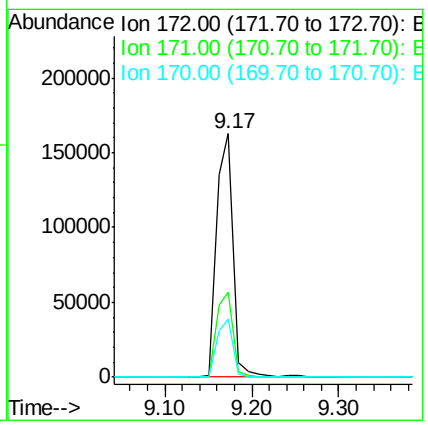
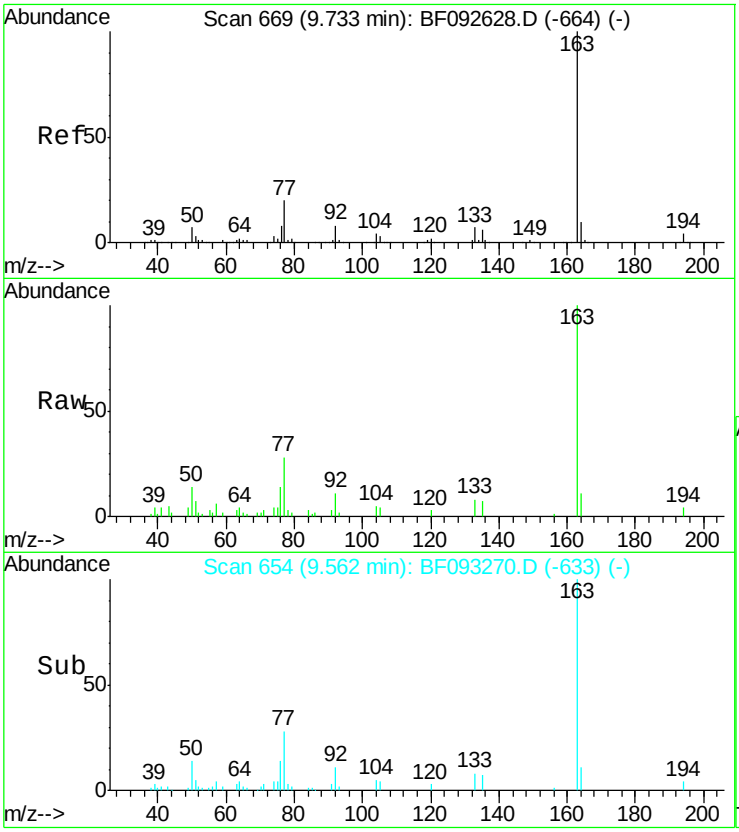


#44
2-Fluorobiphenyl
Concen: 19.88 ng
RT: 9.17 min Scan# 620
Delta R.T. -0.05 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:172 Resp: 218113

Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.4	44.0
170	23.6	20.2	30.4

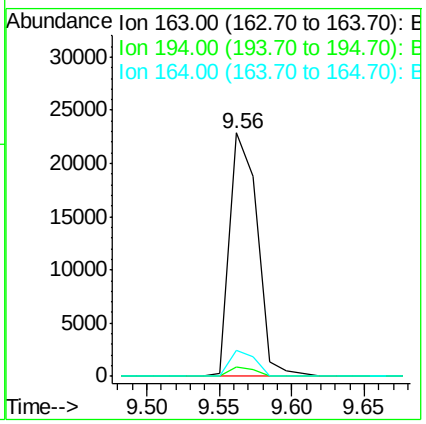




#49
Dimethylphthalate
Concen: 2.27 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.06 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:163 Resp: 30331

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.4
164	10.7	8.0	12.0



Instrument :
BNA_F
ClientSampleId :
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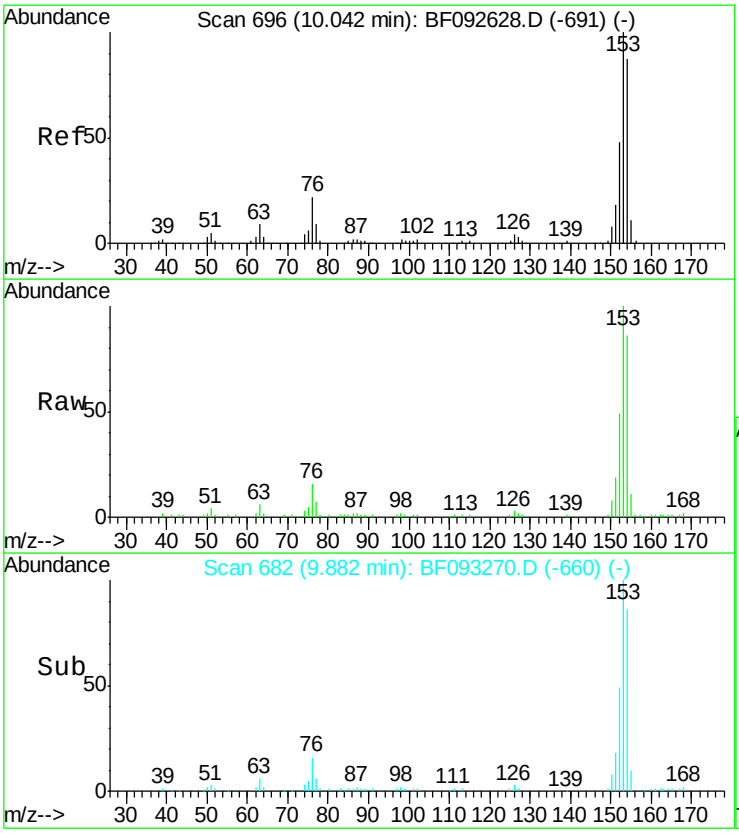
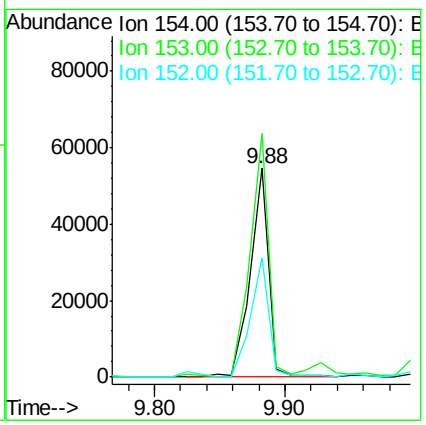
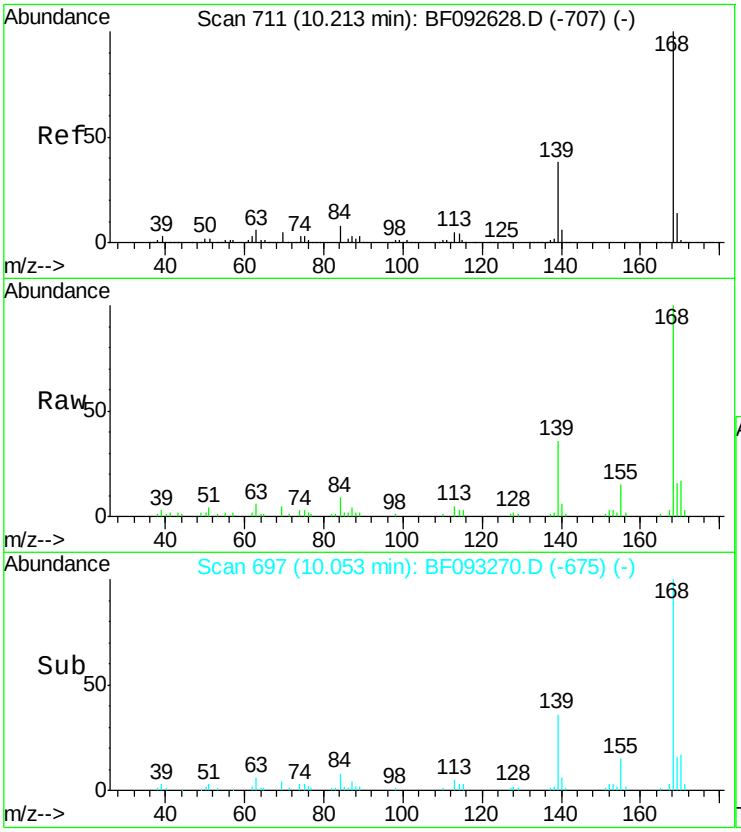


#51
Acenaphthene
Concen: 4.61 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.05 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:154 Resp: 53581

Ion	Ratio	Lower	Upper
154	100		
153	116.6	88.6	133.0
152	57.3	41.6	62.4

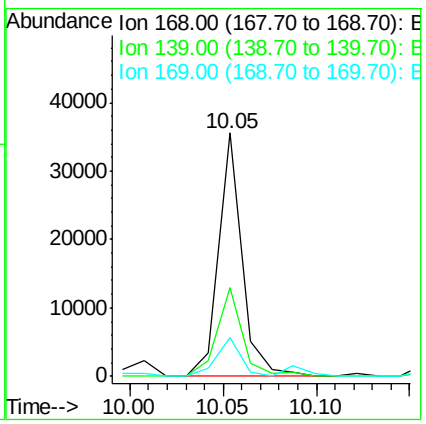




#54
Dibenzofuran
Concen: 2.01 ng
RT: 10.05 min Scan# 697
Delta R.T. -0.05 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:168 Resp: 31269

Ion	Ratio	Lower	Upper
168	100		
139	36.4	32.6	49.0
169	16.0	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASEDL

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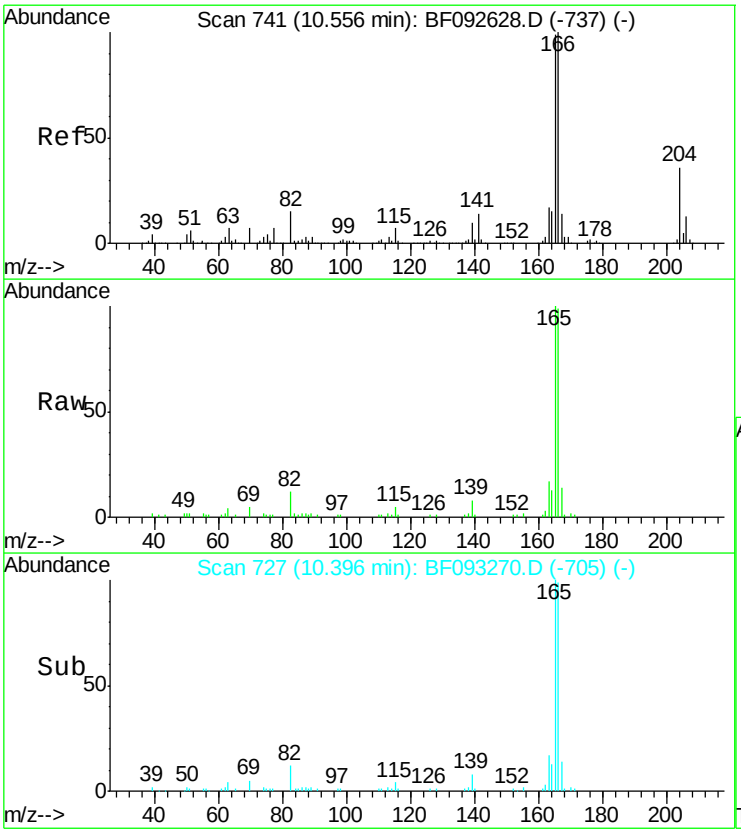
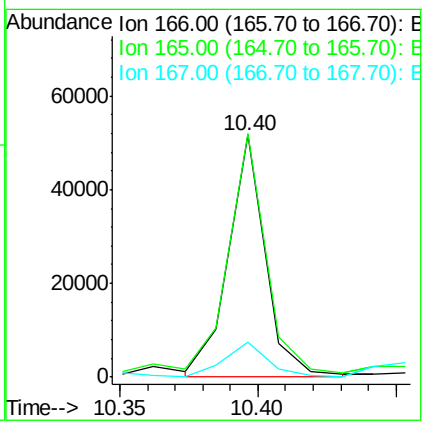
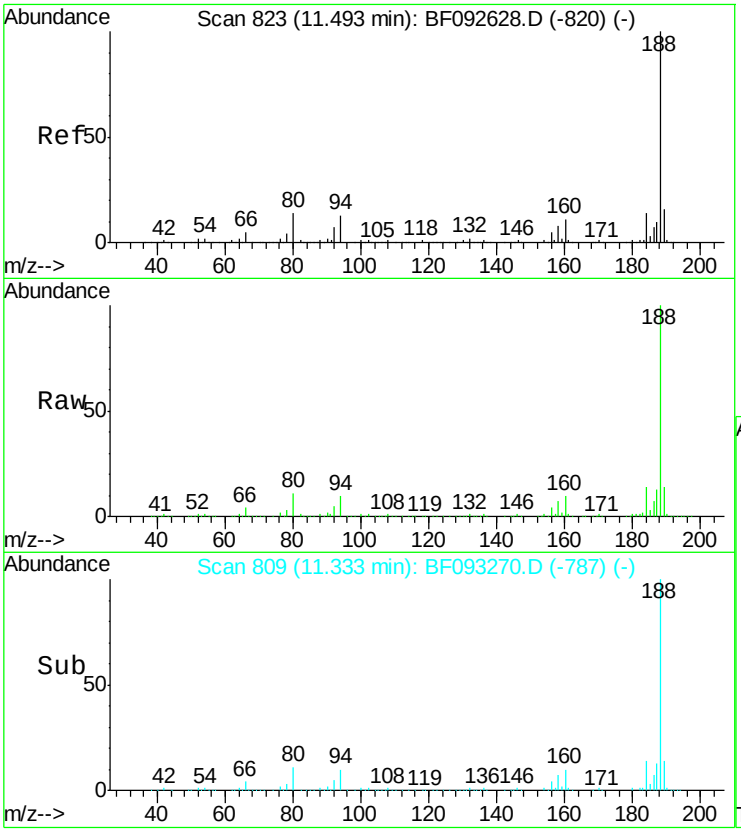


#57
Fluorene
Concen: 4.05 ng m
RT: 10.40 min Scan# 727
Delta R.T. -0.05 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:166 Resp: 48493

Ion	Ratio	Lower	Upper
166	100		
165	100.7	77.8	116.8
167	14.4	10.8	16.2

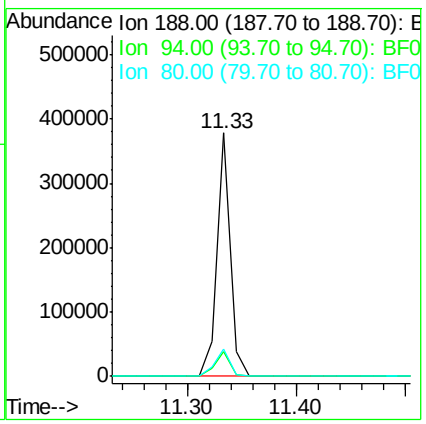




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:188 Resp: 326029

Ion	Ratio	Lower	Upper
188	100		
94	10.3	10.0	15.0
80	11.0	11.2	16.8#



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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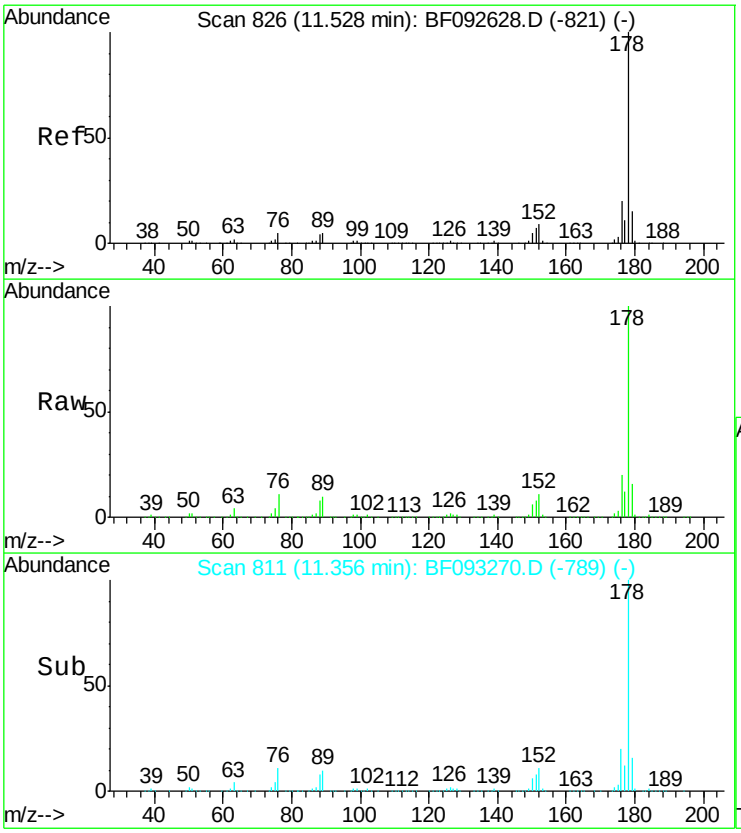
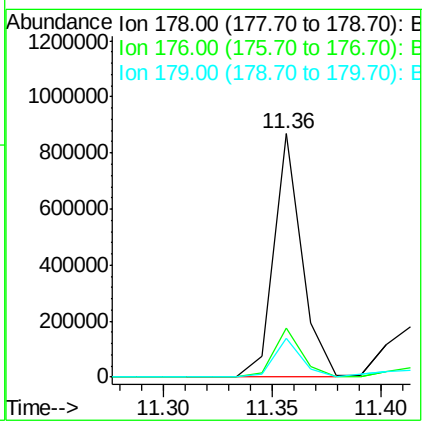
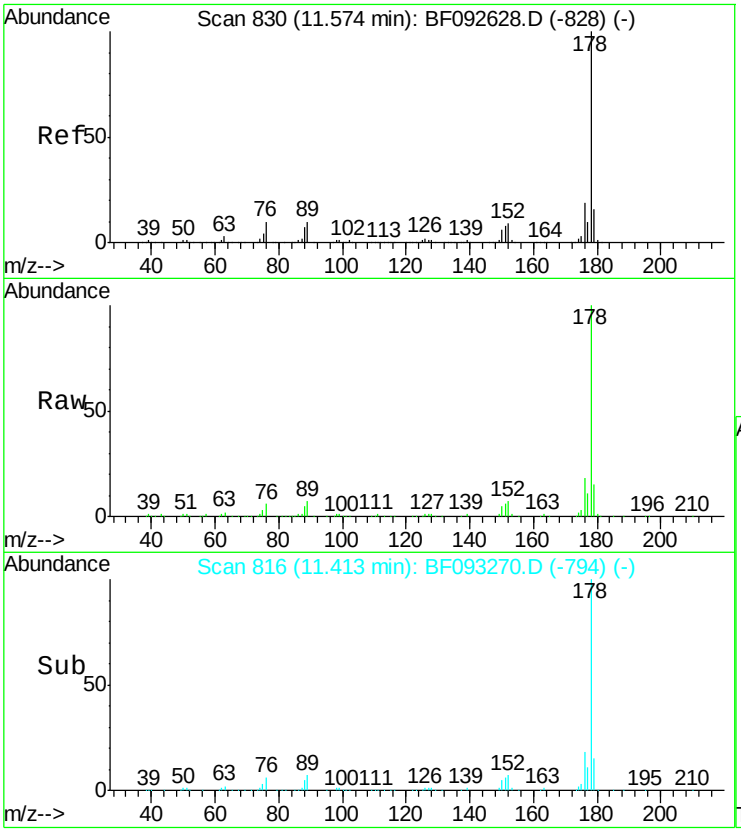


#70
Phenanthrene
Concen: 42.02 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.05 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:178 Resp: 784895

Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.6	25.0
179	16.2	12.8	19.2

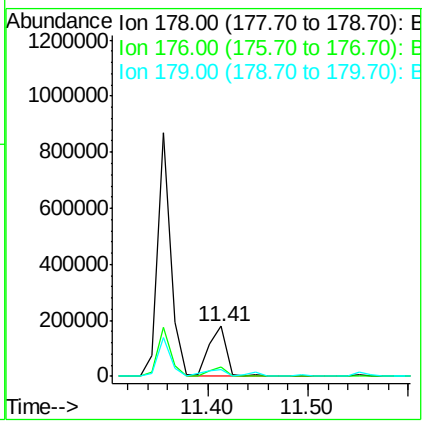




#71
Anthracene
Concen: 11.65 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.05 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:178 Resp: 218620

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.9	23.9
179	15.0	13.2	19.8



Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASEDL

Manual Integrations APPROVED
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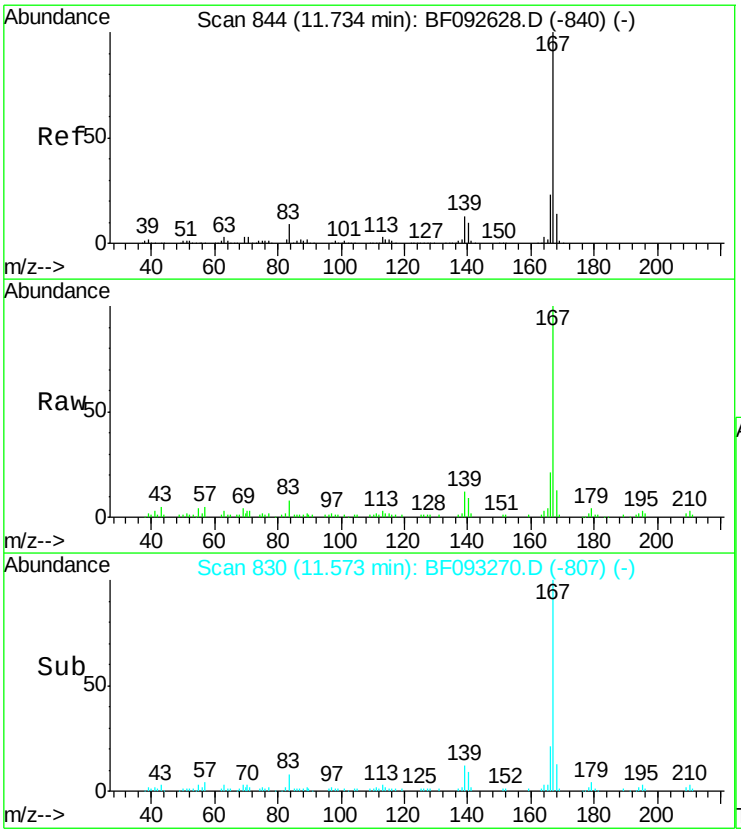
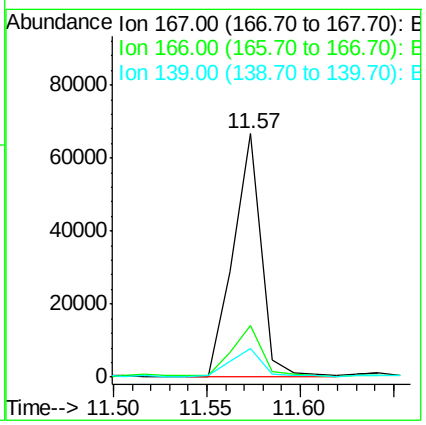
3/1/2017 4:07:30 PM

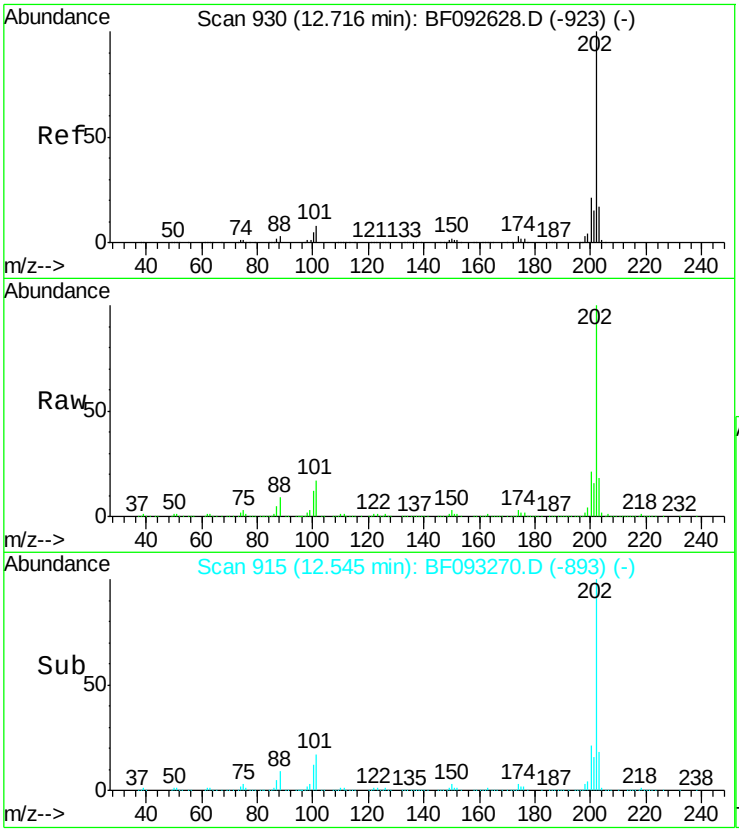


#72
Carbazole
Concen: 3.92 ng
RT: 11.57 min Scan# 830
Delta R.T. -0.03 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:167 Resp: 70331

Ion	Ratio	Lower	Upper
167	100		
166	21.3	18.2	27.2
139	11.6	11.4	17.2

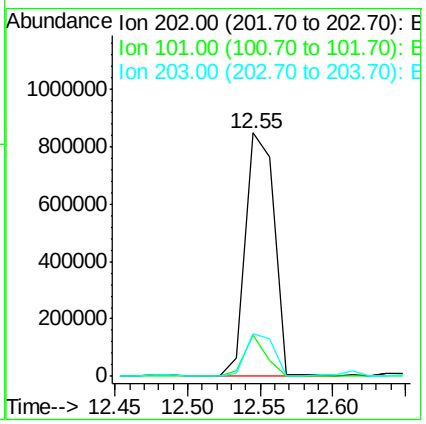




#74
Fluoranthene
Concen: 59.98 ng
RT: 12.55 min Scan# 915
Delta R.T. -0.05 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:202 Resp: 1155592

Ion	Ratio	Lower	Upper
202	100		
101	17.0	0.0	34.6
203	17.8	0.0	38.7



Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASEDL

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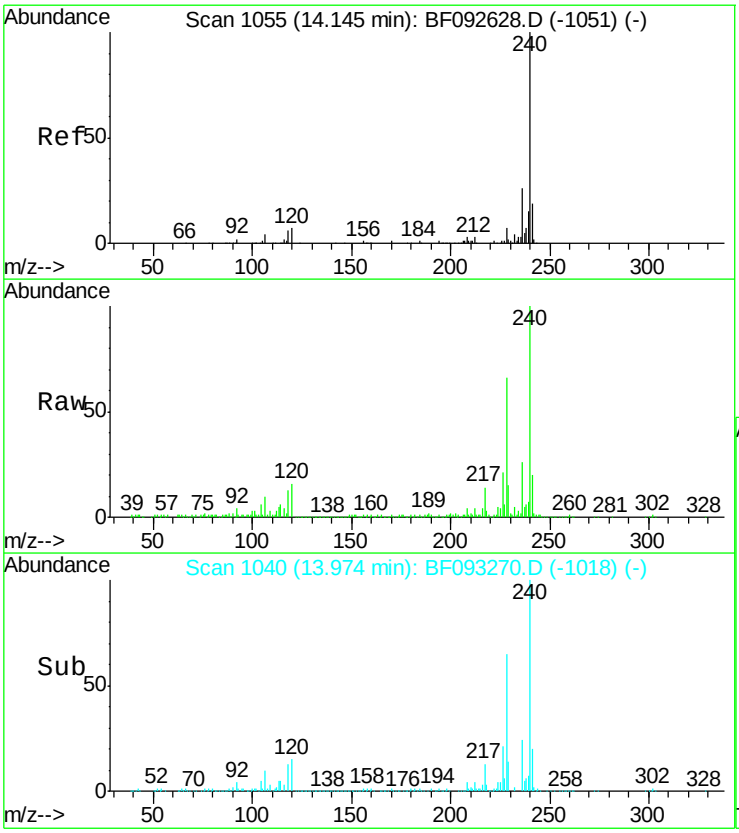
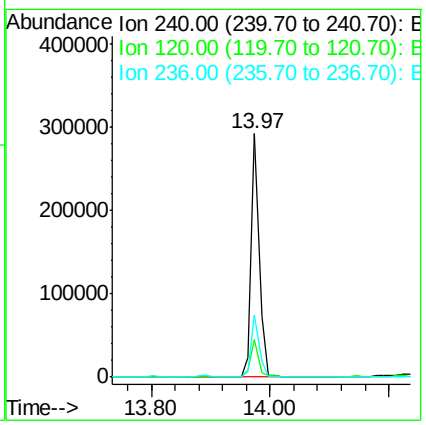
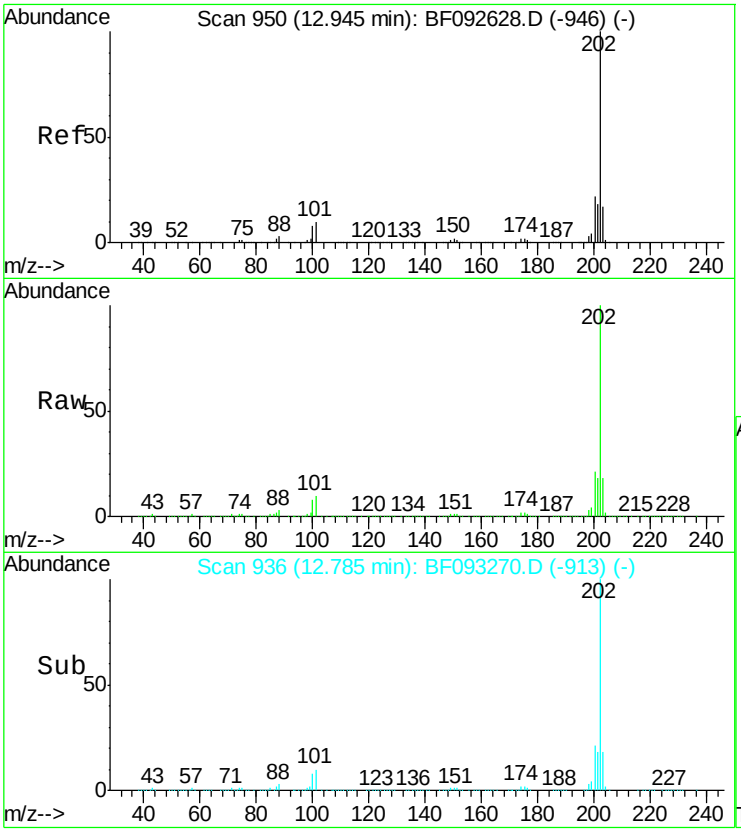


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.97 min Scan# 1040
Delta R.T. -0.05 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:240 Resp: 276155

Ion	Ratio	Lower	Upper
240	100		
120	15.6	12.9	19.3
236	25.6	20.9	31.3

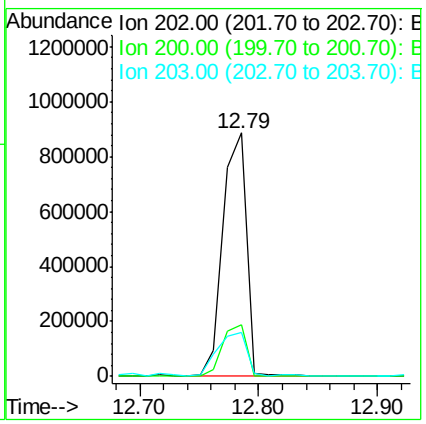




#77
Pyrene
Concen: 58.50 ng
RT: 12.79 min Scan# 936
Delta R.T. -0.03 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:202 Resp: 1209031

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.7	26.5
203	17.9	14.7	22.1



Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASEDL

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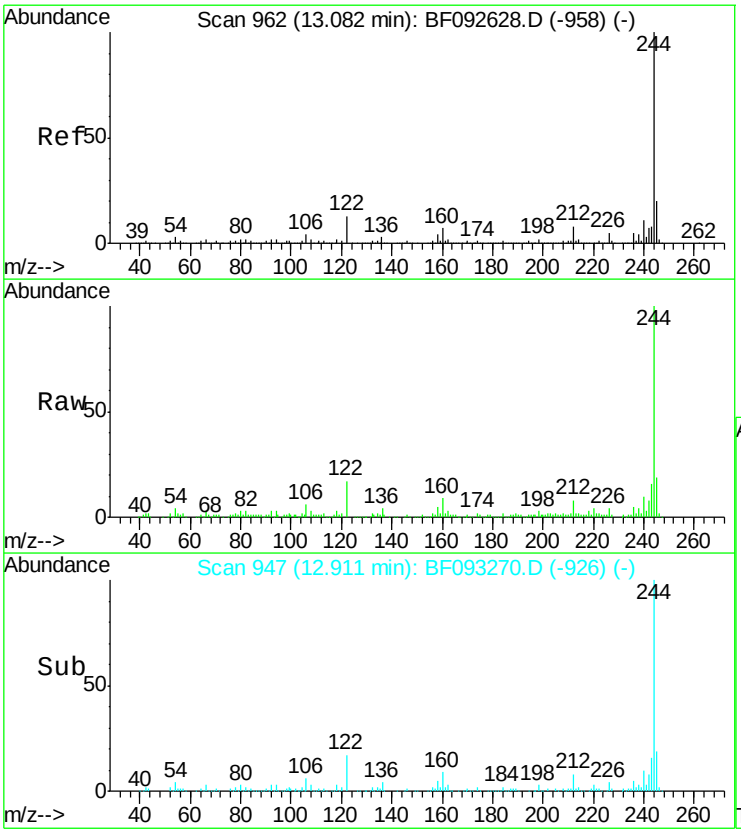
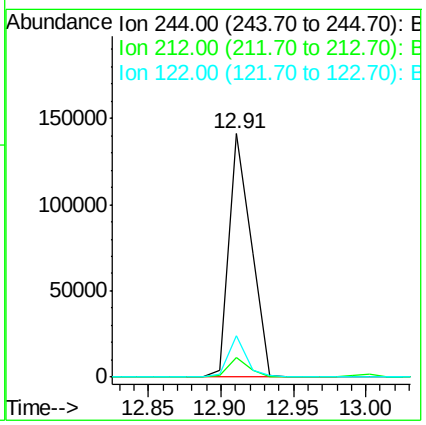
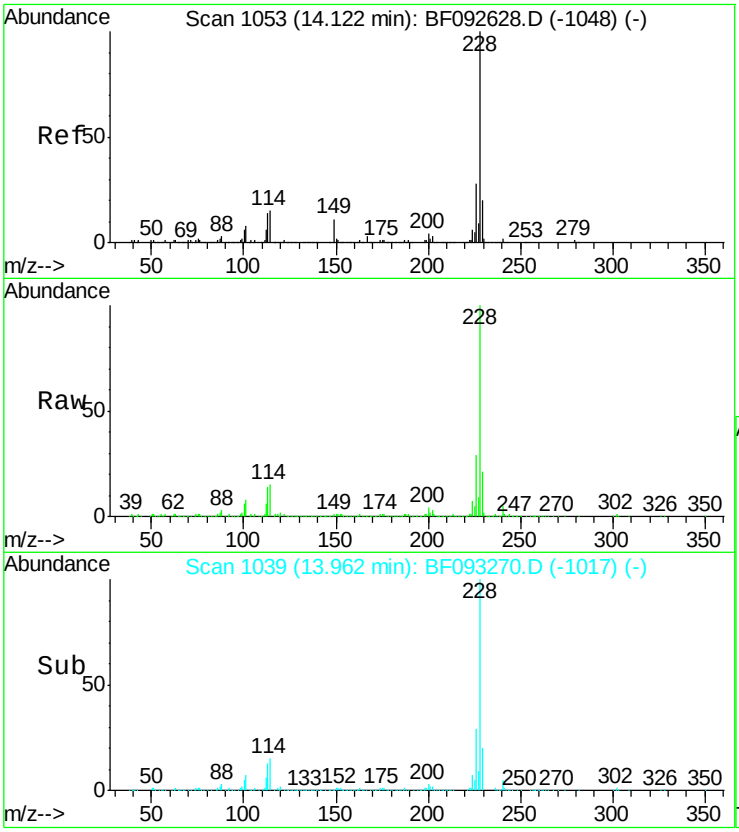


#78
Terphenyl-d14
Concen: 12.75 ng
RT: 12.91 min Scan# 947
Delta R.T. -0.06 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:244 Resp: 149827

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.2
122	16.8	11.4	17.2

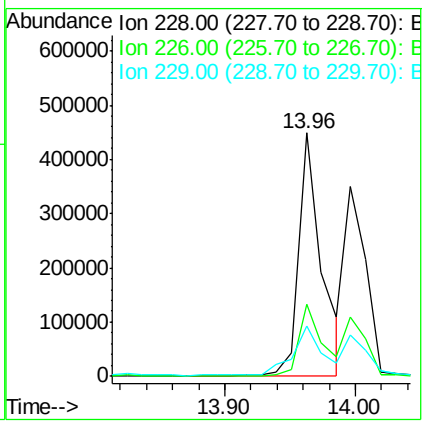




#80
Benzo(a)anthracene
Concen: 32.59 ng
RT: 13.96 min Scan# 1039
Delta R.T. -0.05 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:228 Resp: 550441

Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.4	33.6
229	20.9	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASEDL

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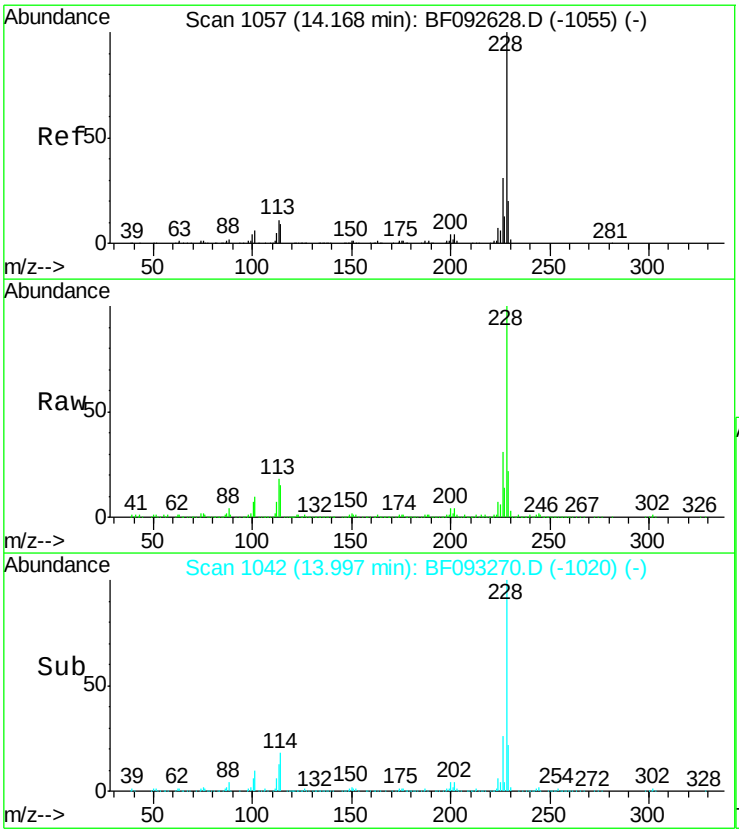
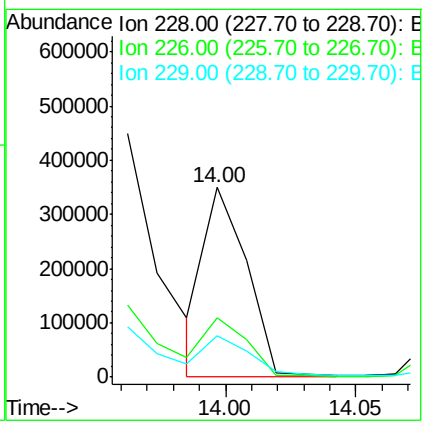
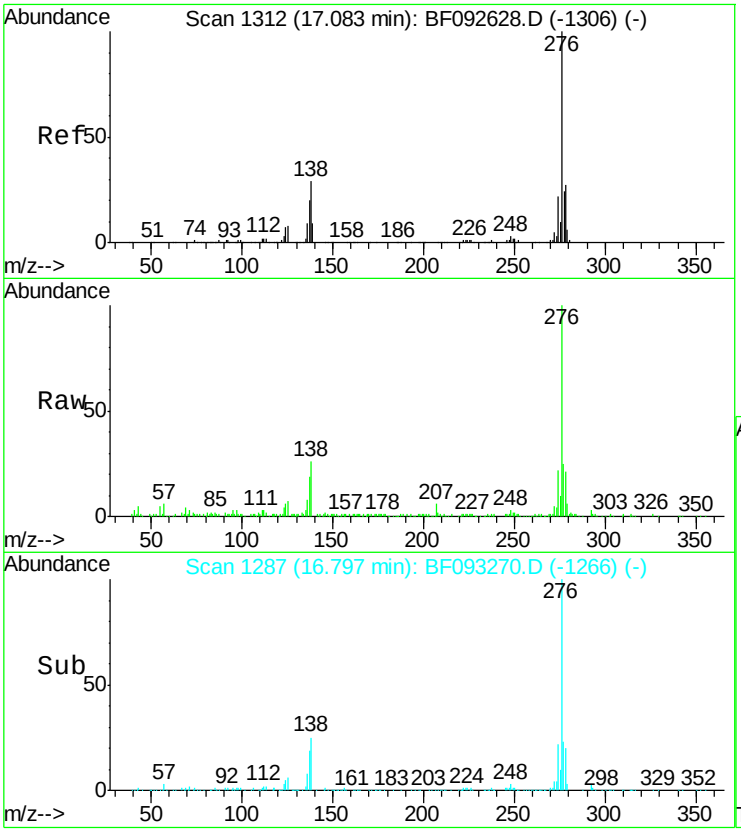


#82
Chrysene
Concen: 24.88 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.05 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:228 Resp: 393465

Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.4	38.0
229	22.1	16.2	24.2

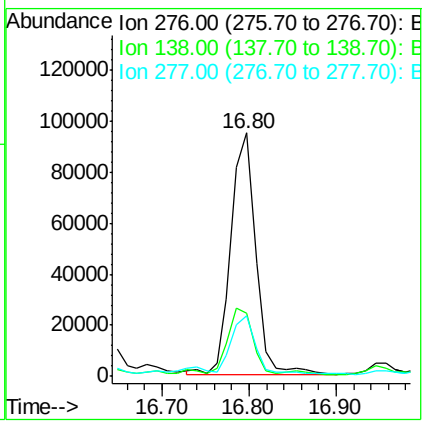




#85
Indeno(1,2,3-cd)pyrene
Concen: 15.33 ng
RT: 16.80 min Scan# 1287
Delta R.T. -0.06 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:276 Resp: 187721

Ion	Ratio	Lower	Upper
276	100		
138	28.4	21.8	32.6
277	23.5	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASEDL

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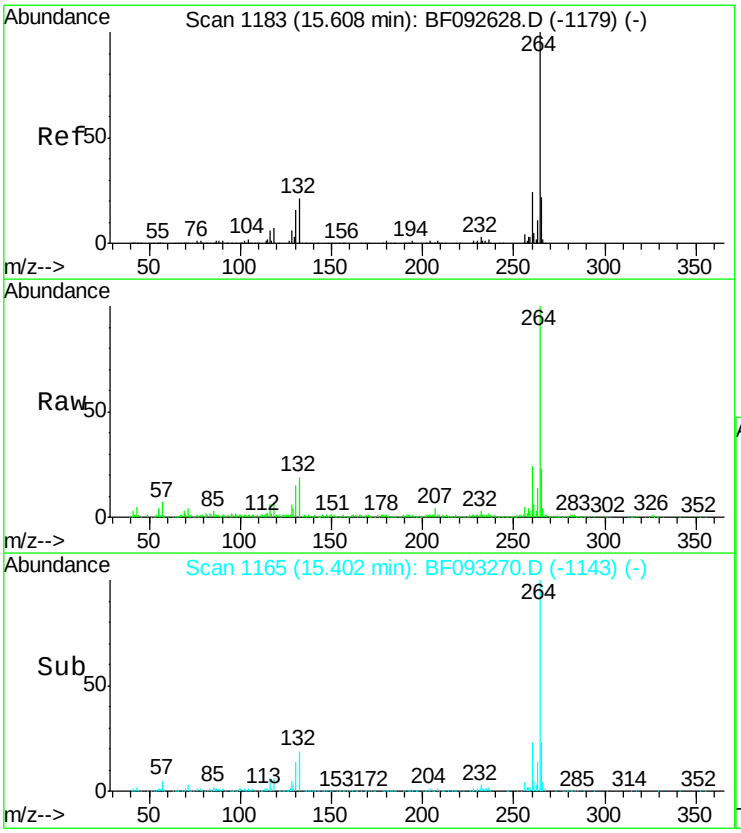
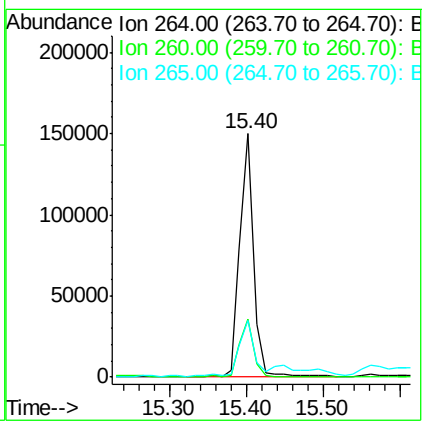
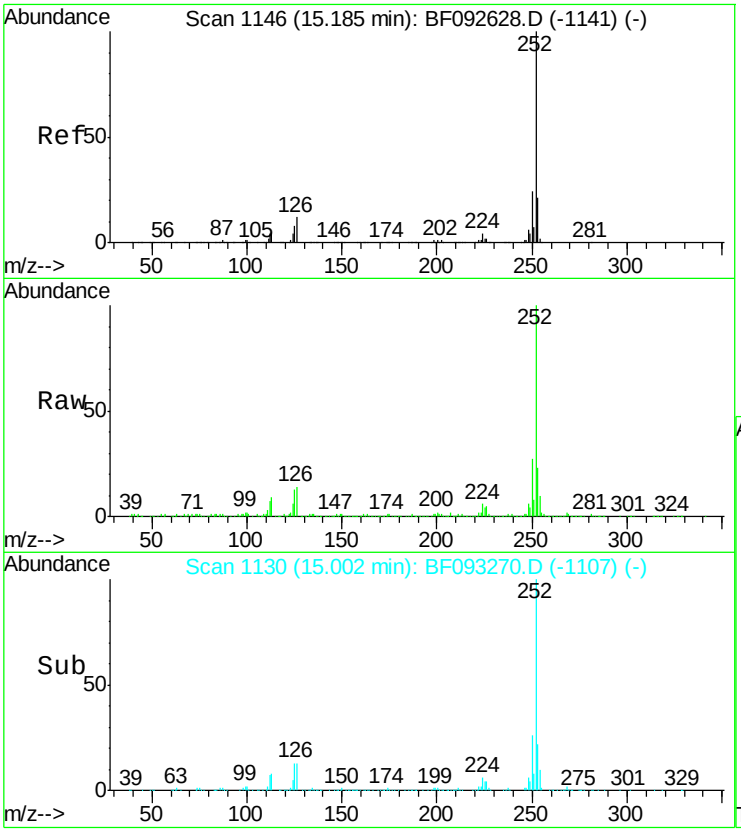


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.05 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:264 Resp: 192232

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	23.1	17.4	26.0

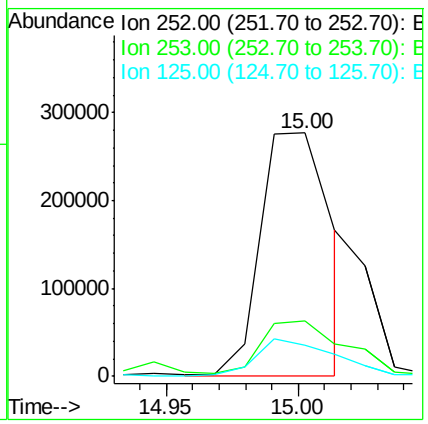




#87
Benzo(b)fluoranthene
Concen: 41.05 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:252 Resp: 519396

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	12.9	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASEDL

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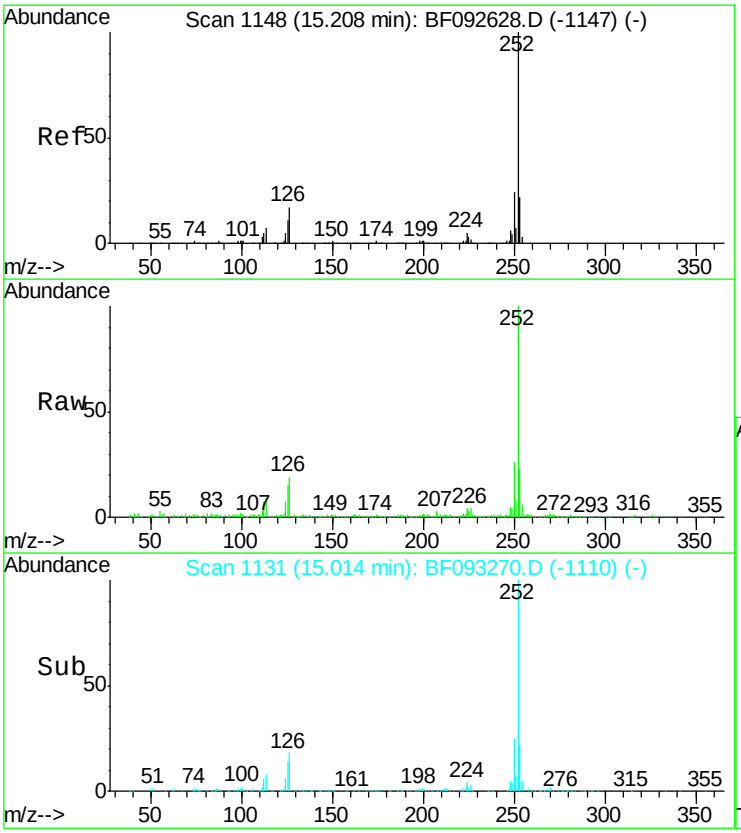
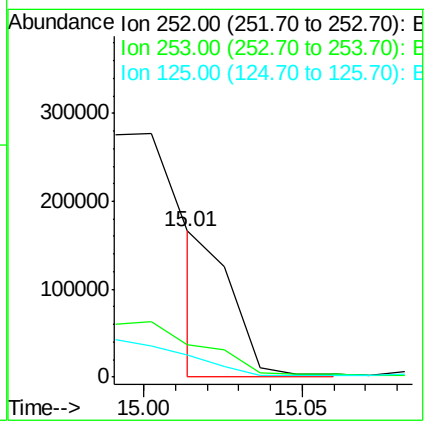
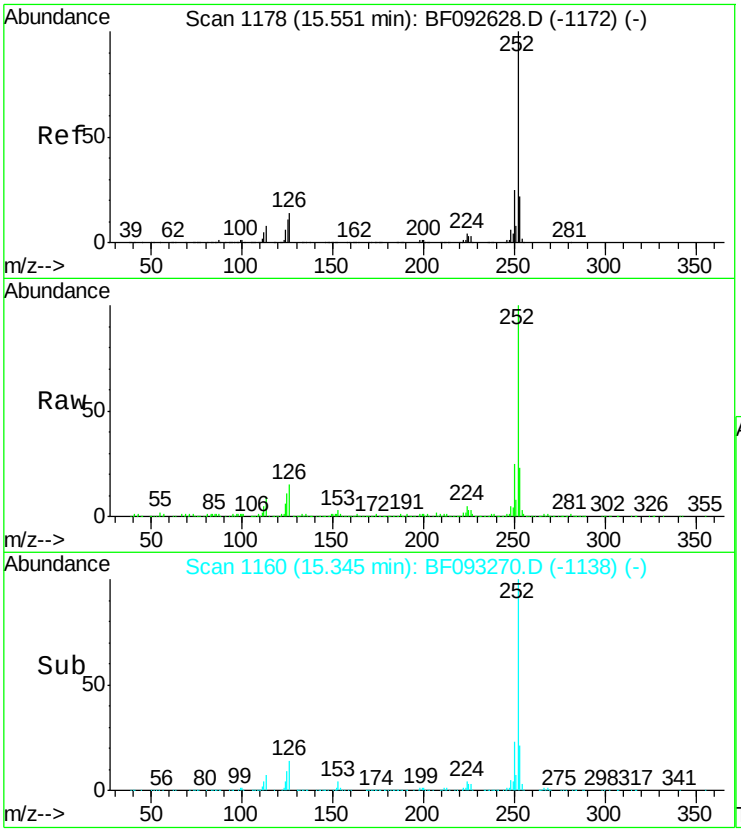


#88
Benzo(k)fluoranthene
Concen: 8.94 ng m
RT: 15.01 min Scan# 1131
Delta R.T. -0.06 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:252 Resp: 97710

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.5	27.7
125	15.1	8.9	13.3#

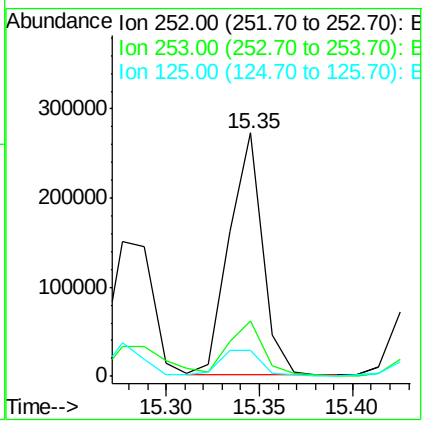




#89
Benzo(a)pyrene
Concen: 30.80 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.05 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:252 Resp: 337133

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	10.7	10.0	15.0



Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASEDL

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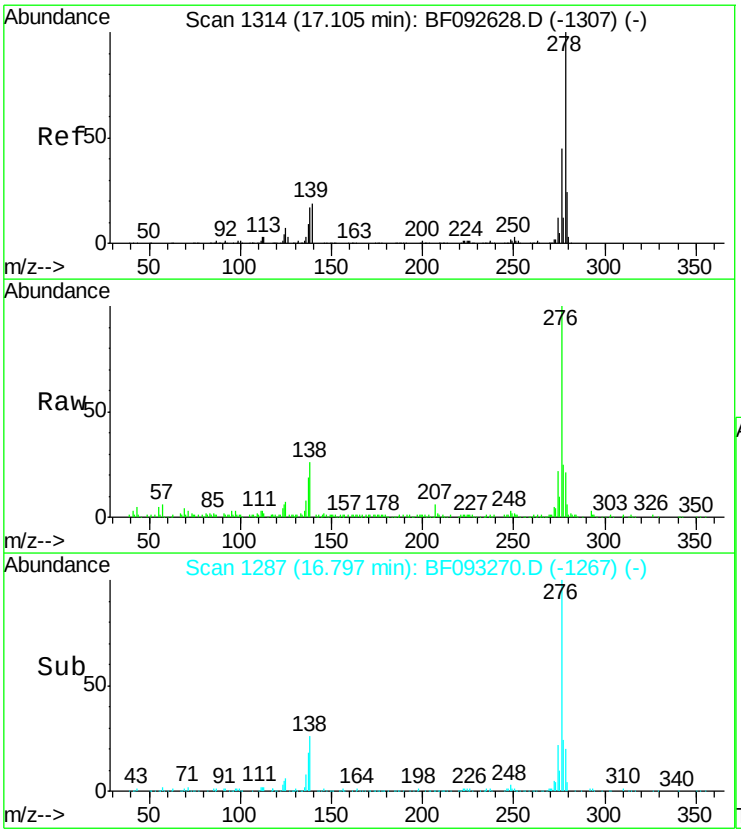
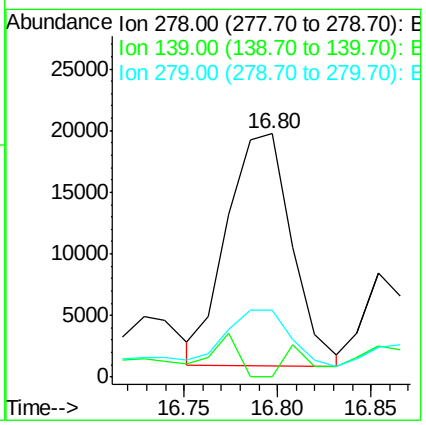
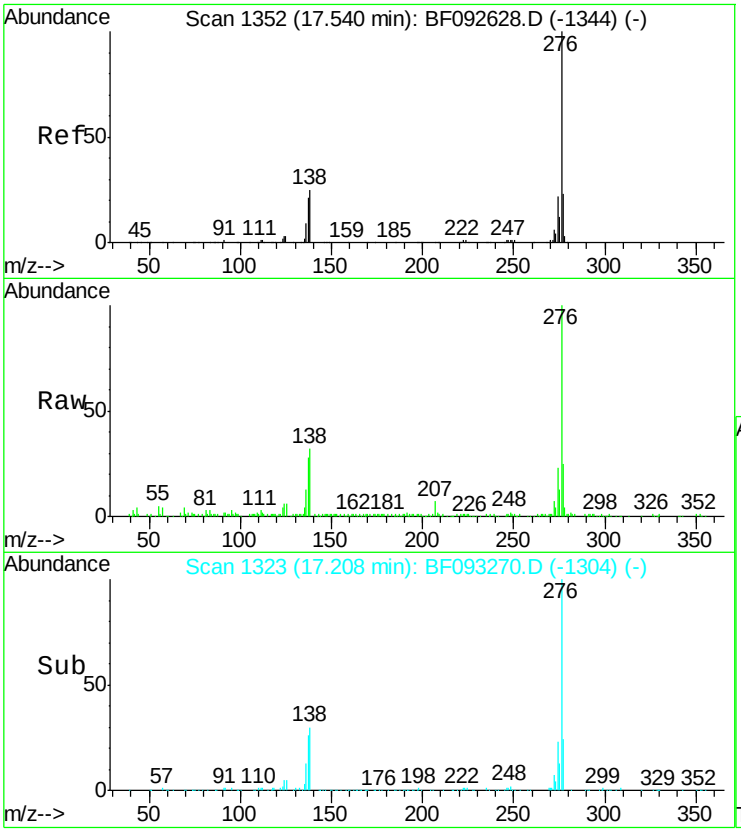


#90
Dibenzo(a,h)anthracene
Concen: 5.15 ng m
RT: 16.80 min Scan# 1287
Delta R.T. -0.07 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:278 Resp: 45518

Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.8	22.2#
279	27.6	19.8	29.6

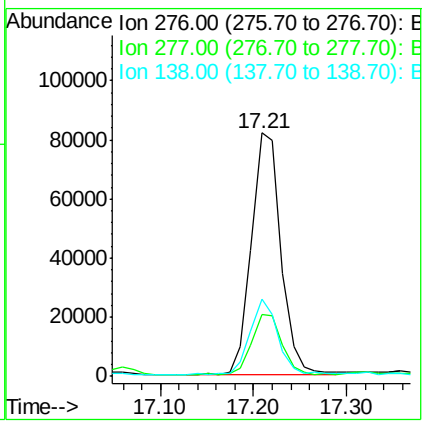




#91
Benzo(g,h,i)perylene
Concen: 20.30 ng
RT: 17.21 min Scan# 1323
Delta R.T. -0.08 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:276 Resp: 181427

Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.2	28.8
138	31.5	16.0	24.0#



Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASEDL

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