Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083023.D
Acq On : 18 Nov 2015 22:25
Operator : UM/IZ
Sample : G4412-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-C2

Manual Integrations APPROVED
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11/19/2015 6:44:48 PM

Quant Time: Nov 19 06:06:57 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 18 13:32:32 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	140488	20.00	ng		-0.01
21) Naphthalene-d8	8.02	136	543013	20.00	ng		0.00
38) Acenaphthene-d10	9.77	164	253795	20.00	ng		-0.01
63) Phenanthrene-d10	11.25	188	405176	20.00	ng		0.00
75) Chrysene-d12	13.88	240	281395	20.00	ng		-0.01
86) Perylene-d12	15.28	264	288712	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.33	112	1100242	121.85	ng		0.00
7) Phenol-d6	6.38	99	1306526	108.84	ng		-0.01
23) Nitrobenzene-d5	7.30	82	1038654	83.23	ng		-0.01
41) 2,4,6-Tribromophenol	10.56	330	264306	90.83	ng		-0.01
44) 2-Fluorobiphenyl	9.09	172	1292540	72.99	ng		-0.01
78) Terphenyl-d14	12.83	244	951973	80.24	ng		-0.01
Target Compounds							Qvalue
10) Phenol	6.40	94	37315	2.74	ng		91
15) Benzyl Alcohol	6.88	79	74241	7.04	ng		97
31) Naphthalene	8.04	128	347602	11.60	ng		96
37) 2-Methylnaphthalene	8.73	142	123615	6.38	ng		95
48) Acenaphthylene	9.63	152	290585	10.91	ng		97
49) Dimethylphthalate	9.49	163	409629	19.70	ng		99
51) Acenaphthene	9.80	154	48500	2.87	ng		98
54) Dibenzofuran	9.97	168	208604	9.17	ng	#	86
57) Fluorene	10.32	166	176339	9.57	ng		99
70) Phenanthrene	11.28	178	1932861	82.15	ng		100
71) Anthracene	11.32	178	238247	9.61	ng		95
72) Carbazole	11.48	167	164906	7.60	ng		97
74) Fluoranthene	12.47	202	1978023	78.34	ng		98
77) Pyrene	12.69	202	1994949	103.23	ng		98
80) Benzo(a)anthracene	13.87	228	704586m	40.04	ng		
82) Chrysene	13.91	228	837911	51.99	ng		97
83) Bis(2-ethylhexyl)phthalate	13.88	149	52688	4.51	ng	#	100
85) Indeno(1,2,3-cd)pyrene	16.59	276	440181	31.71	ng		97
87) Benzo(b)fluoranthene	14.89	252	947021m	51.10	ng		
88) Benzo(k)fluoranthene	14.91	252	351642m	21.39	ng		
89) Benzo(a)pyrene	15.22	252	671396	41.82	ng		96
90) Dibenzo(a,h)anthracene	16.59	278	100743m	7.41	ng		
91) Benzo(g,h,i)perylene	16.98	276	391261	30.04	ng		97

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

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Instrument :
BNA_F
ClientSampleId :
TEC-C2

Manual Integrations APPROVED
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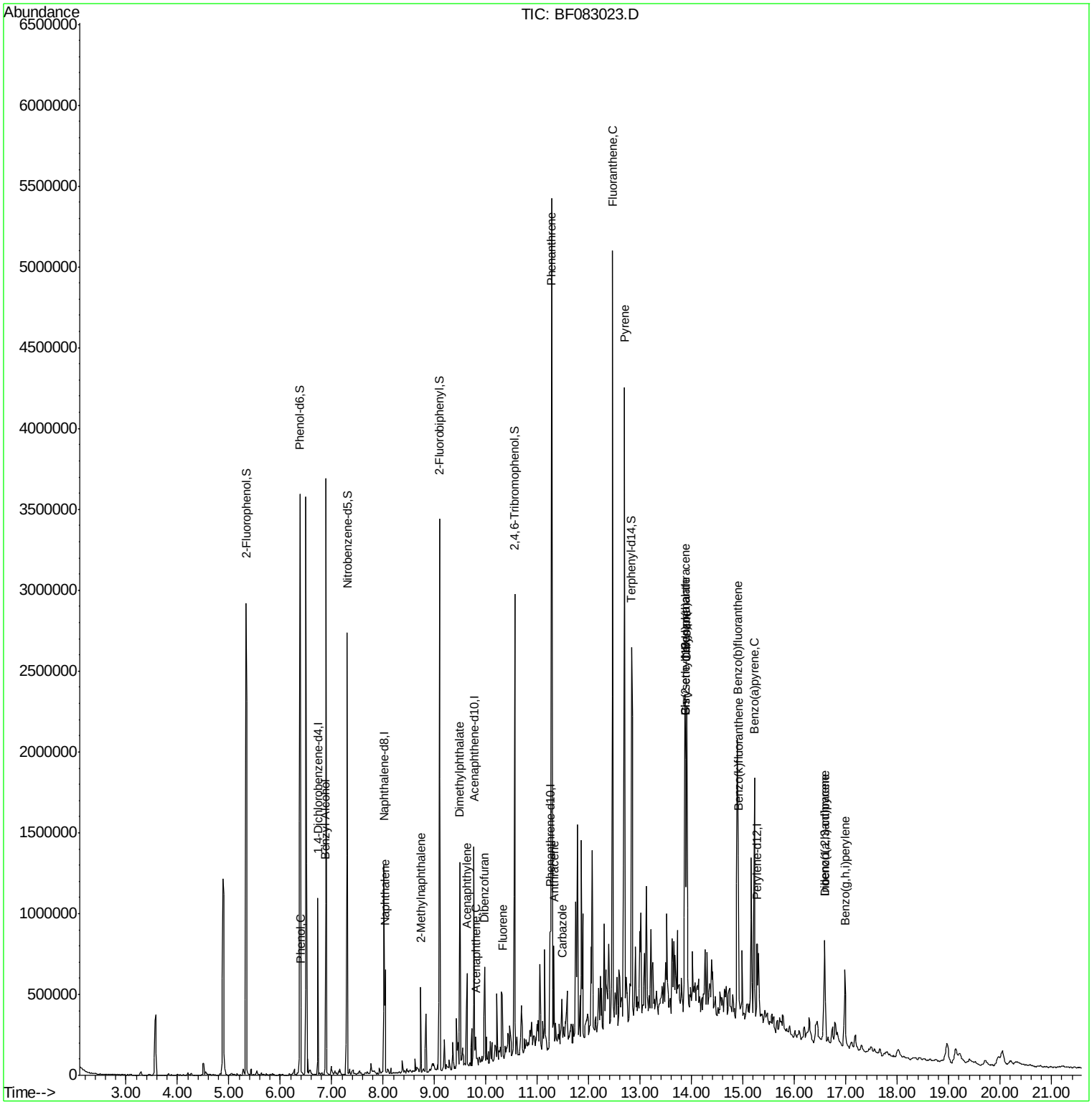
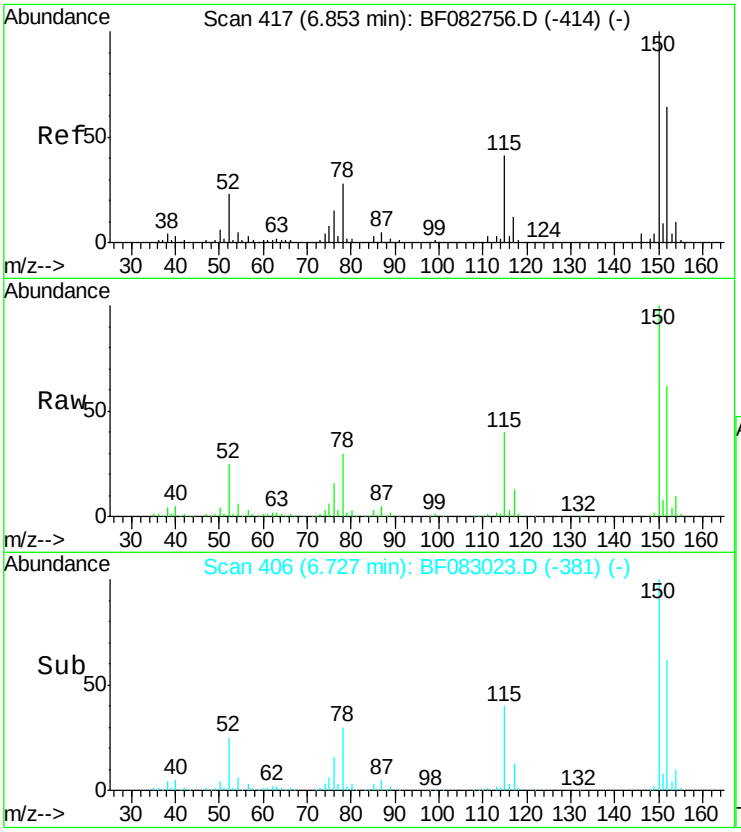
11/19/2015 6:44:48 PM

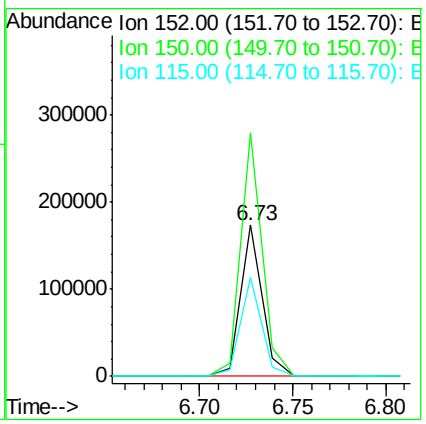




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 406
Delta R.T. -0.01 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:152 Resp: 140488

Ion	Ratio	Lower	Upper
152	100		
150	161.2	127.0	190.4
115	65.2	47.0	70.6



Instrument :
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Manual Integrations APPROVED
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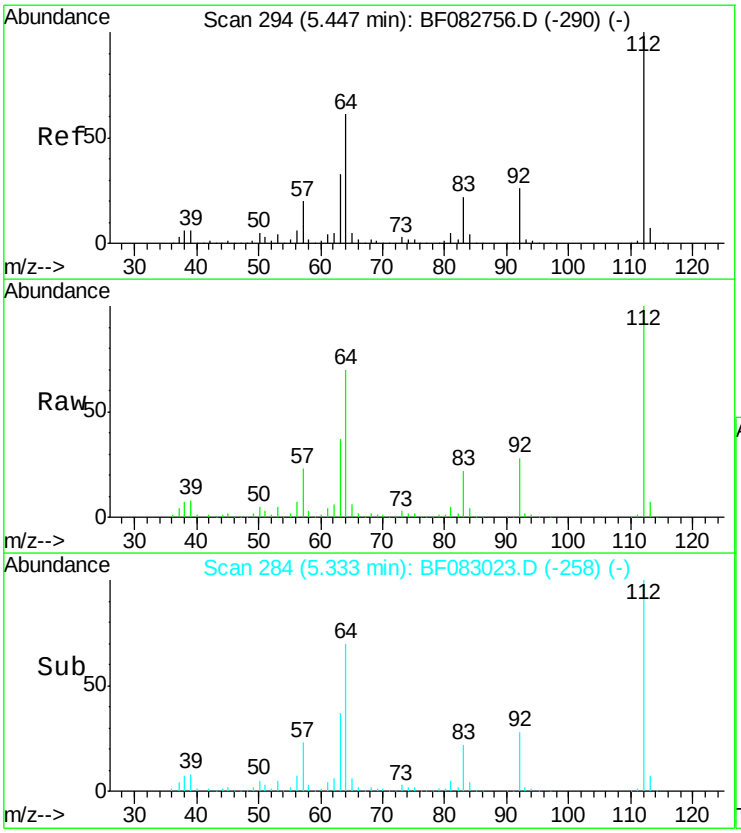
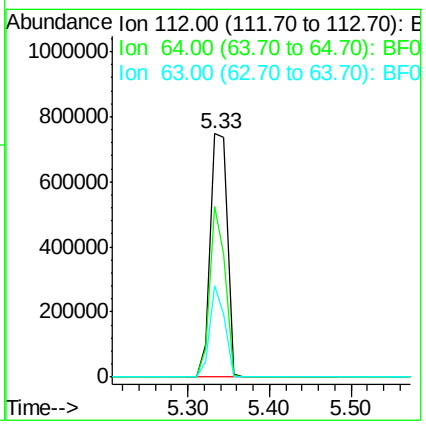
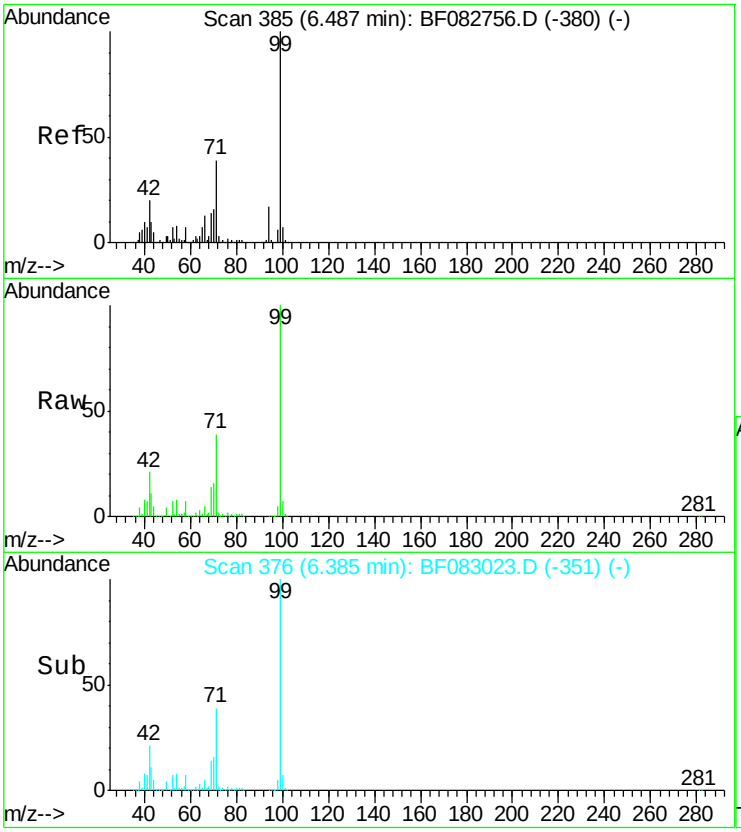


#5
2-Fluorophenol
Concen: 121.85 ng
RT: 5.33 min Scan# 284
Delta R.T. 0.00 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:112 Resp: 1100242

Ion	Ratio	Lower	Upper
112	100		
64	70.0	48.9	73.3
63	37.4	28.1	42.1

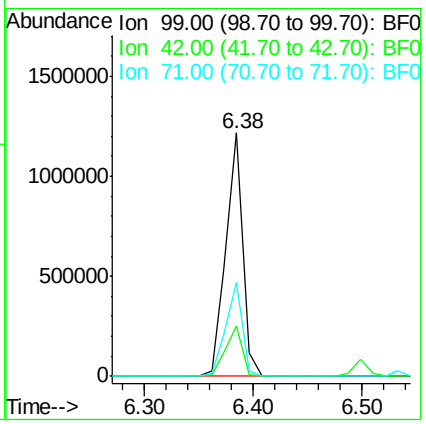




#7
Phenol-d6
Concen: 108.84 ng
RT: 6.38 min Scan# 376
Delta R.T. -0.01 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion: 99 Resp: 1306526

Ion	Ratio	Lower	Upper
99	100		
42	20.7	19.2	28.8
71	38.5	35.0	52.4



Instrument :
BNA_F
ClientSampleId :
TEC-C2

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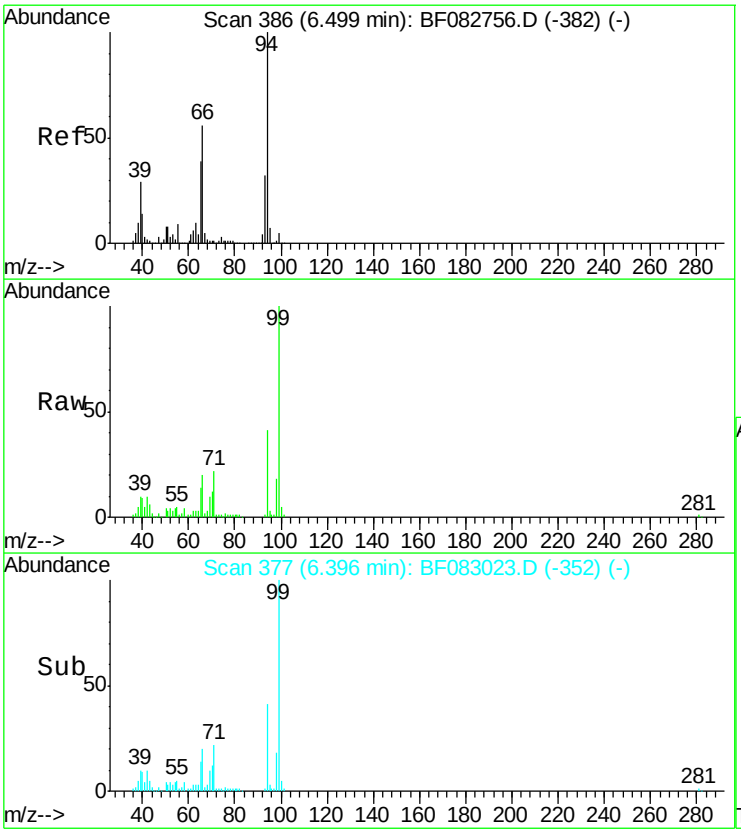
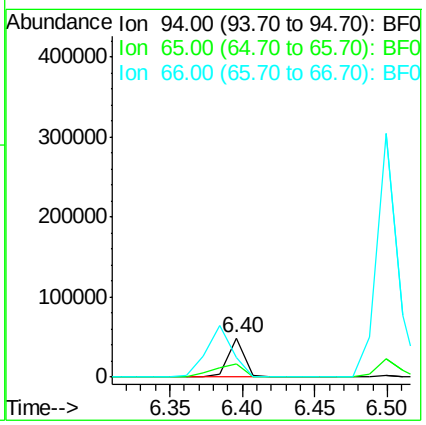
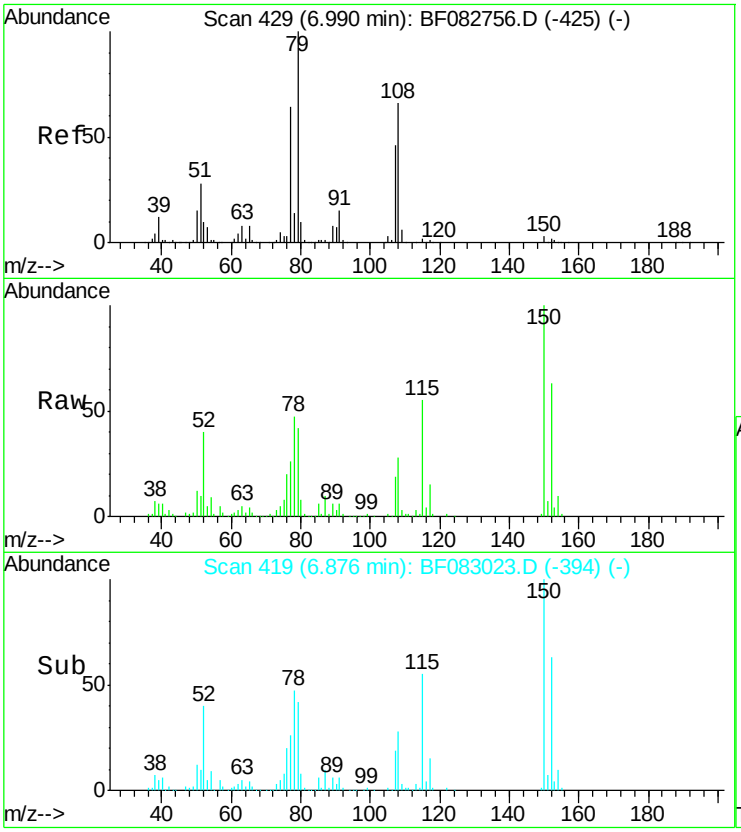


#10
Phenol
Concen: 2.74 ng
RT: 6.40 min Scan# 377
Delta R.T. -0.01 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion: 94 Resp: 37315

Ion	Ratio	Lower	Upper
94	100		
65	33.5	18.9	58.9
66	48.9	34.9	74.9

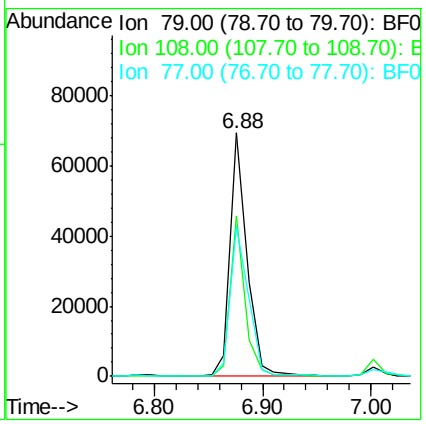




#15
Benzyl Alcohol
Concen: 7.04 ng
RT: 6.88 min Scan# 419
Delta R.T. -0.01 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion: 79 Resp: 74241

Ion	Ratio	Lower	Upper
79	100		
108	66.1	52.2	78.4
77	61.9	52.7	79.1



Instrument :
BNA_F
ClientSampleId :
TEC-C2

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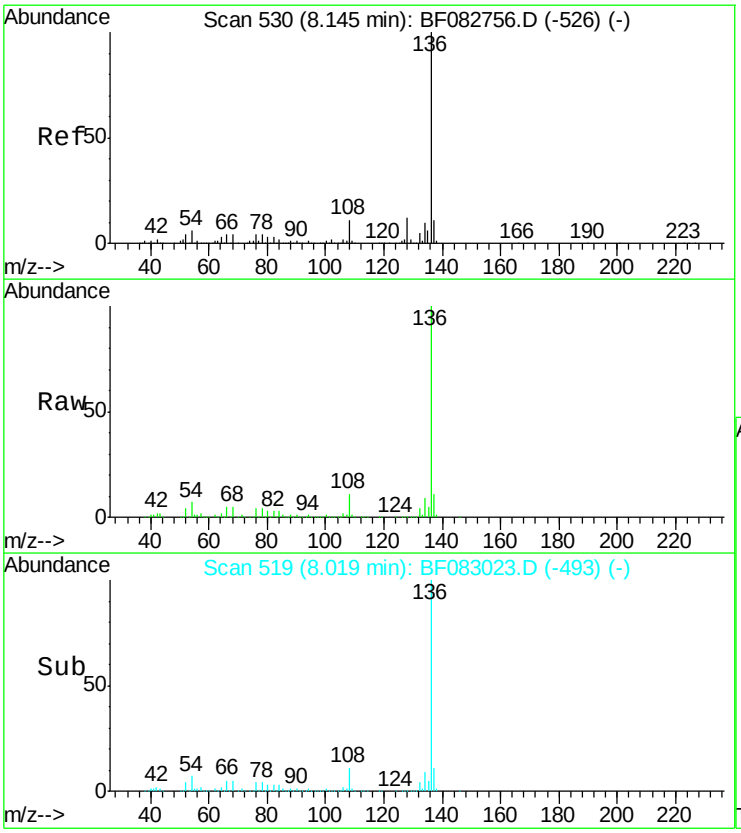
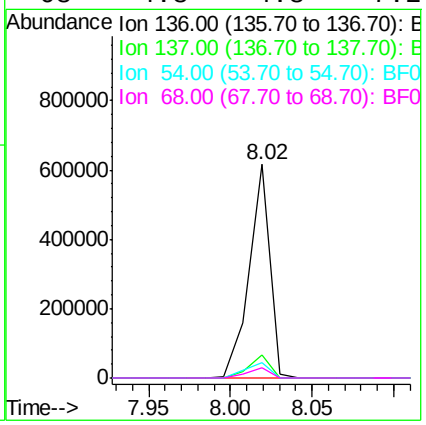
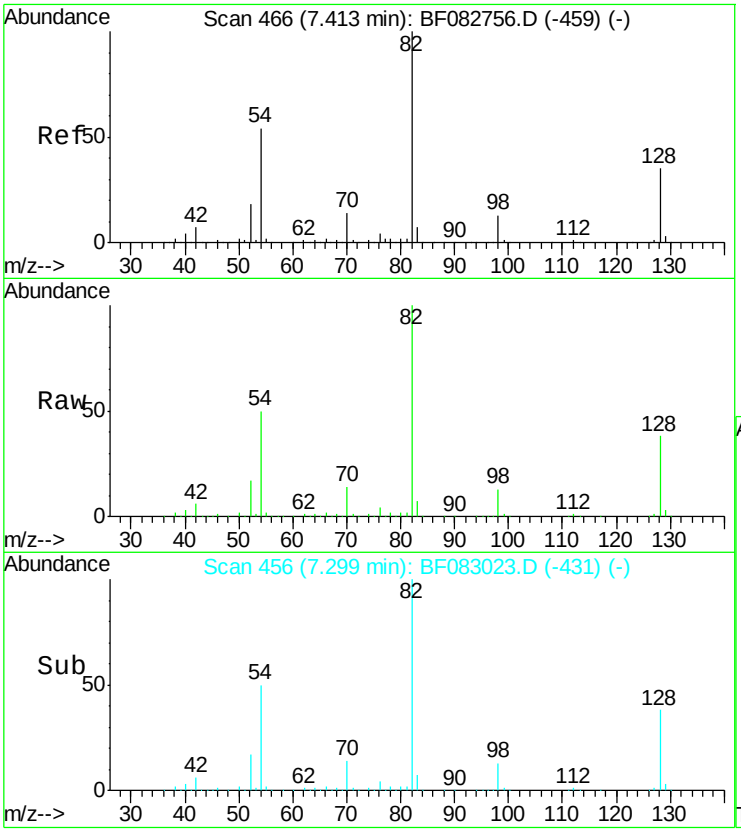


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 519
Delta R.T. 0.00 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:136 Resp: 543013

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	7.1	9.1	13.7#
68	4.8	4.8	7.2

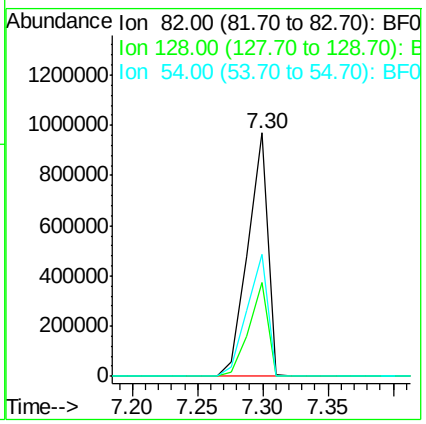




#23
Nitrobenzene-d5
Concen: 83.23 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.01 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion: 82 Resp: 1038654

Ion	Ratio	Lower	Upper
82	100		
128	38.5	26.8	40.2
54	50.2	45.7	68.5



Instrument :
BNA_F
ClientSampleId :
TEC-C2

Manual Integrations APPROVED
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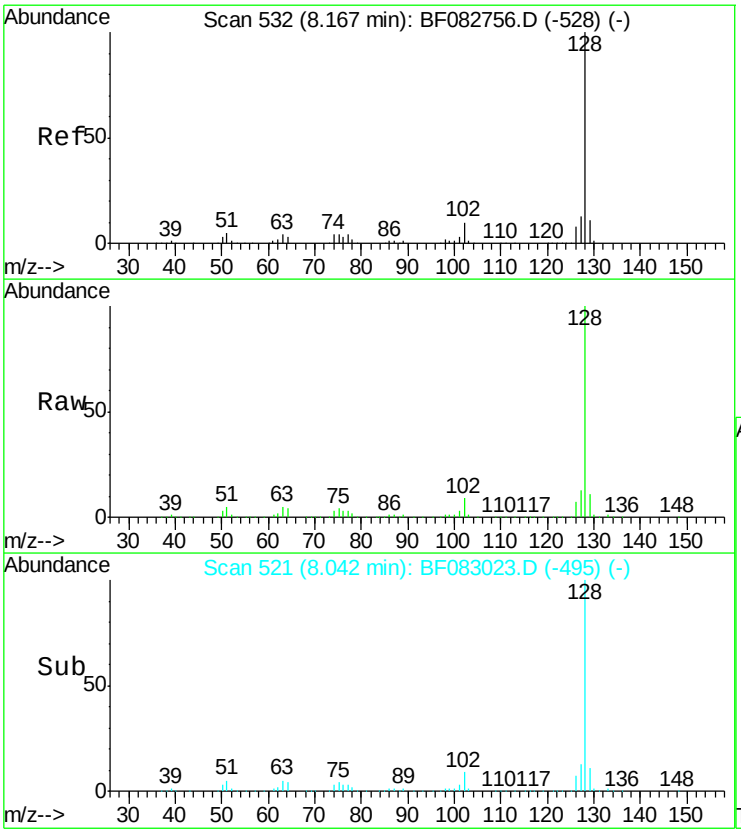
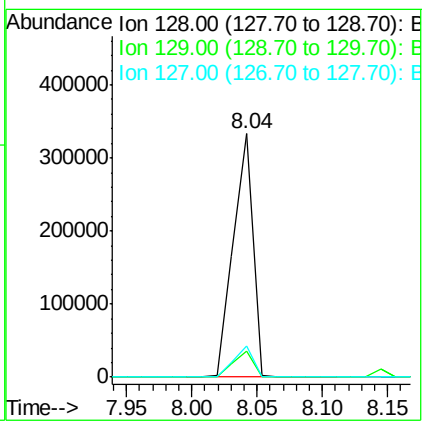
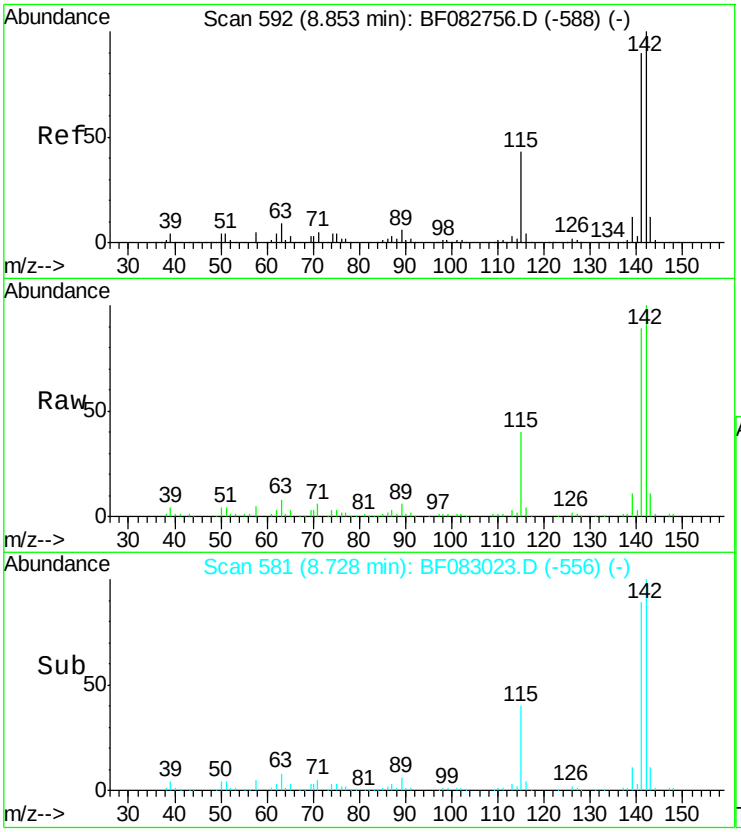


#31
Naphthalene
Concen: 11.60 ng
RT: 8.04 min Scan# 521
Delta R.T. 0.00 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:128 Resp: 347602

Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.5	14.3
127	12.5	11.4	17.0

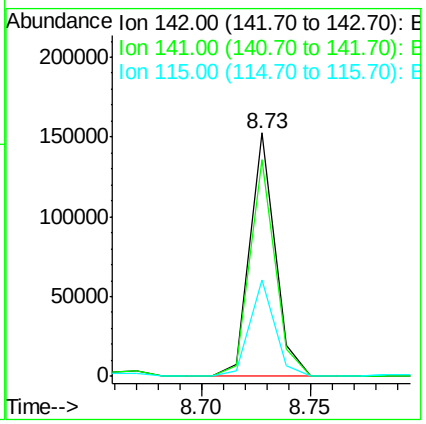




#37
2-Methylnaphthalene
Concen: 6.38 ng
RT: 8.73 min Scan# 581
Delta R.T. -0.01 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:142 Resp: 123615

Ion	Ratio	Lower	Upper
142	100		
141	88.8	72.3	108.5
115	39.6	38.1	57.1



Instrument :
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ClientSampleId :
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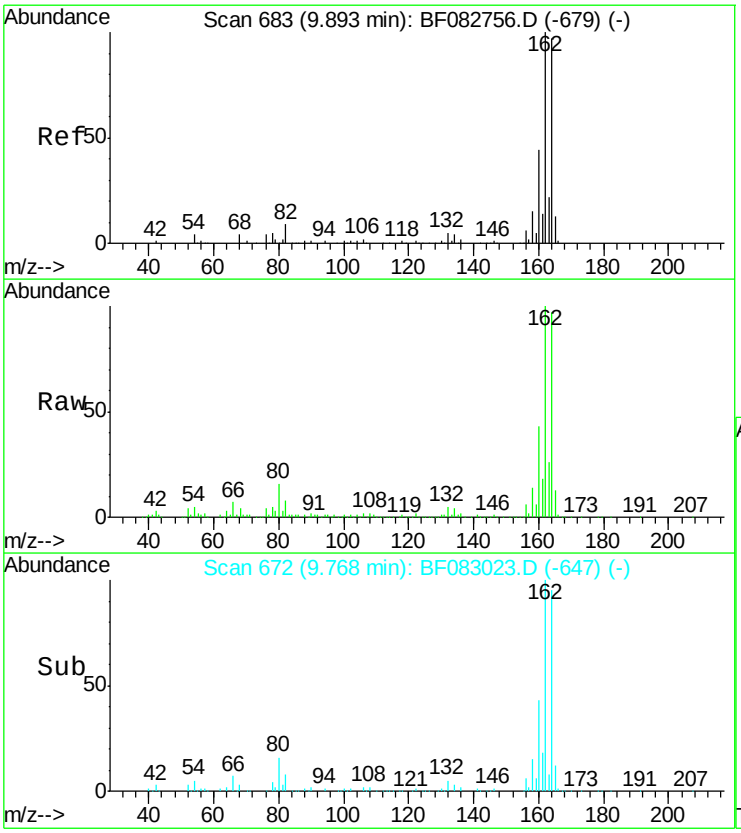
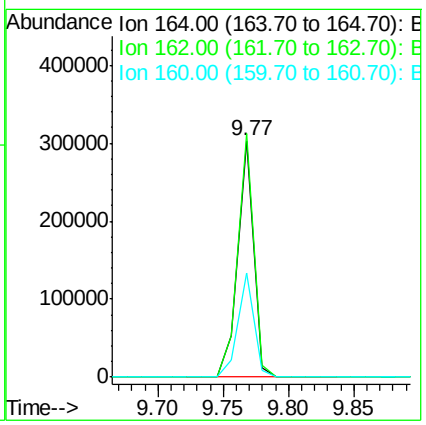
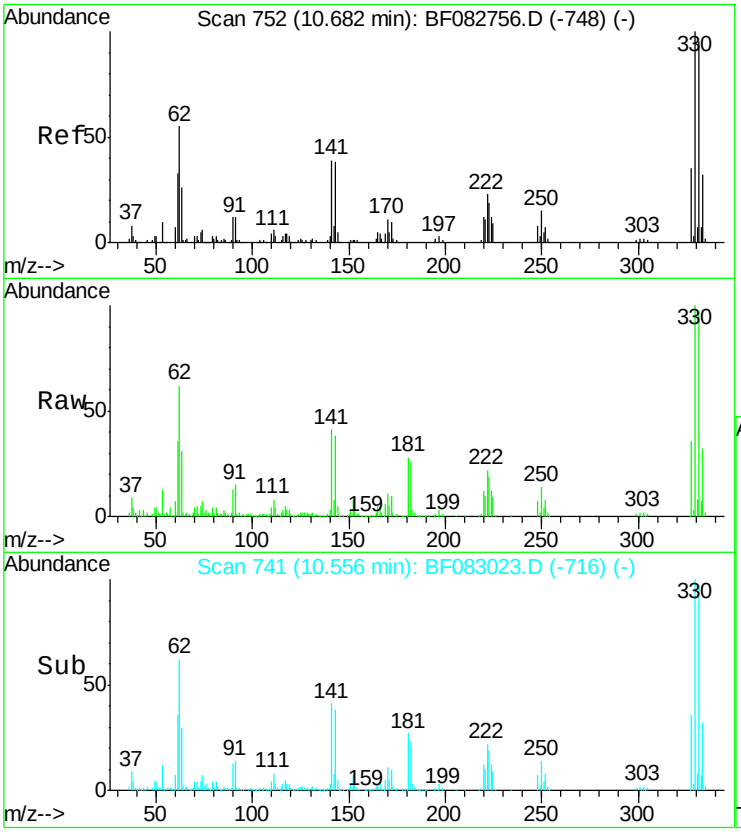


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.01 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:164 Resp: 253795

Ion	Ratio	Lower	Upper
164	100		
162	103.0	84.9	127.3
160	44.1	37.5	56.3

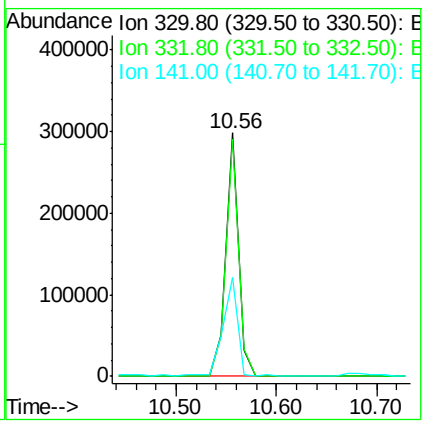




#41
2,4,6-Tribromophenol
Concen: 90.83 ng
RT: 10.56 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:330 Resp: 264306

Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.6	114.8
141	45.6	41.2	61.8



Instrument :
BNA_F
ClientSampleId :
TEC-C2

Manual Integrations APPROVED
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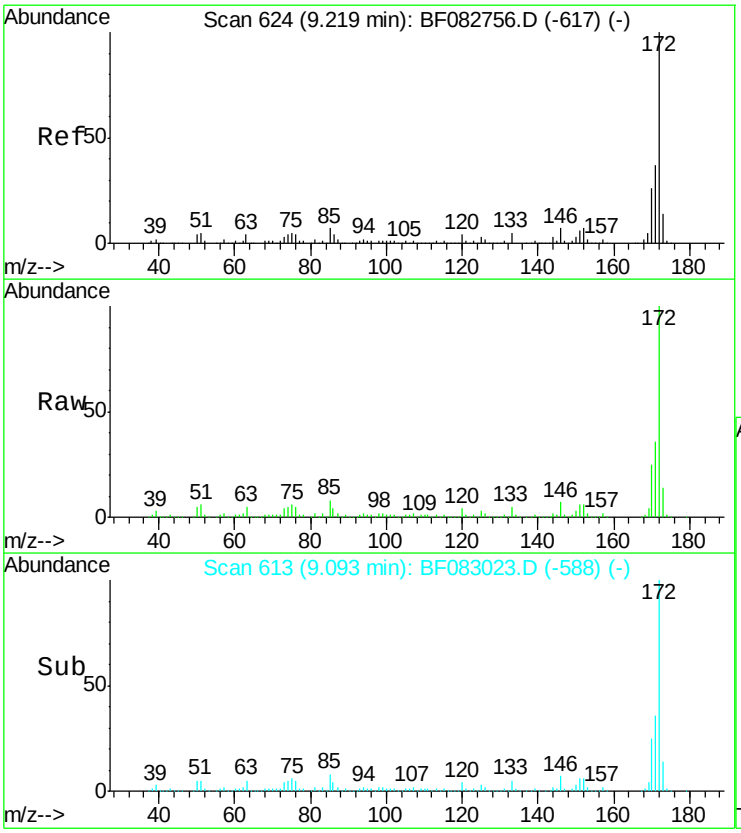
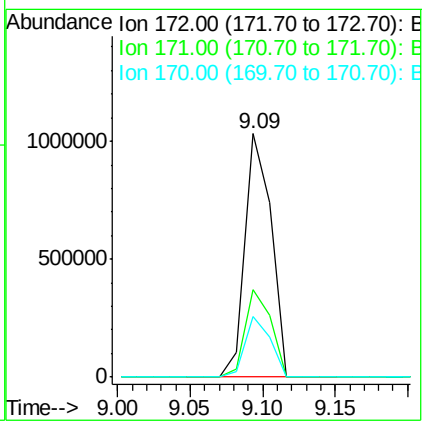
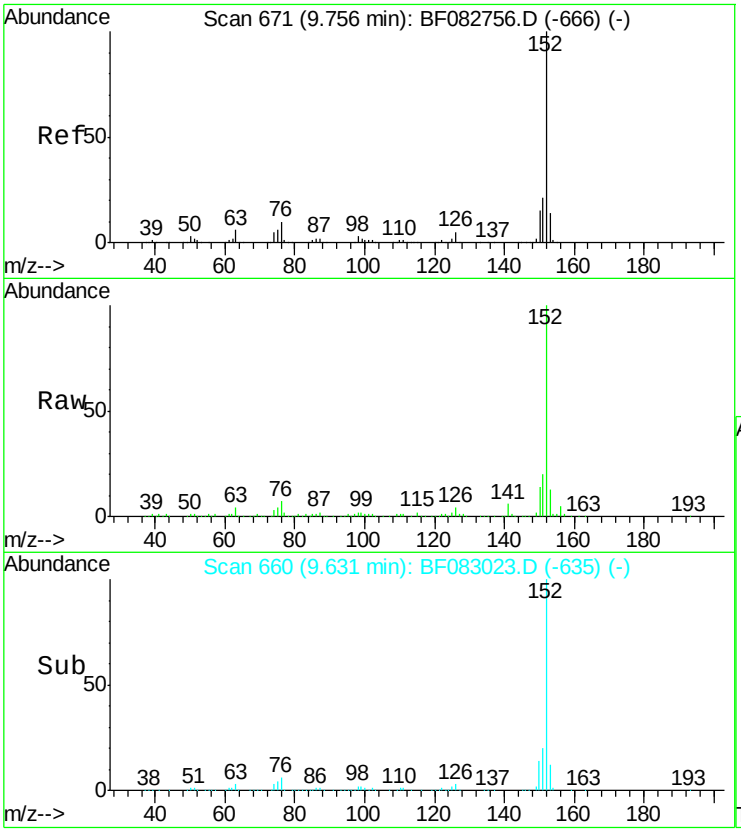


#44
2-Fluorobiphenyl
Concen: 72.99 ng
RT: 9.09 min Scan# 613
Delta R.T. -0.01 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:172 Resp: 1292540

Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.8	46.2
170	25.0	21.2	31.8

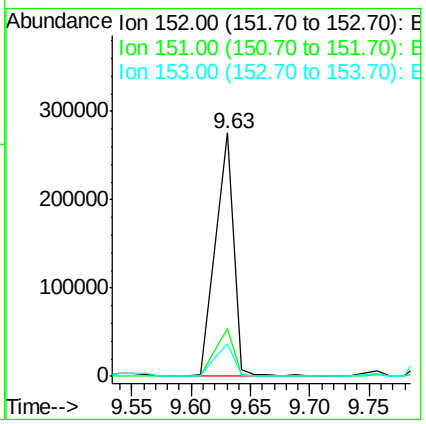




#48
Acenaphthylene
Concen: 10.91 ng
RT: 9.63 min Scan# 660
Delta R.T. -0.01 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:152 Resp: 290585

Ion	Ratio	Lower	Upper
152	100		
151	19.6	17.3	25.9
153	13.3	11.3	16.9



Instrument :
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TEC-C2

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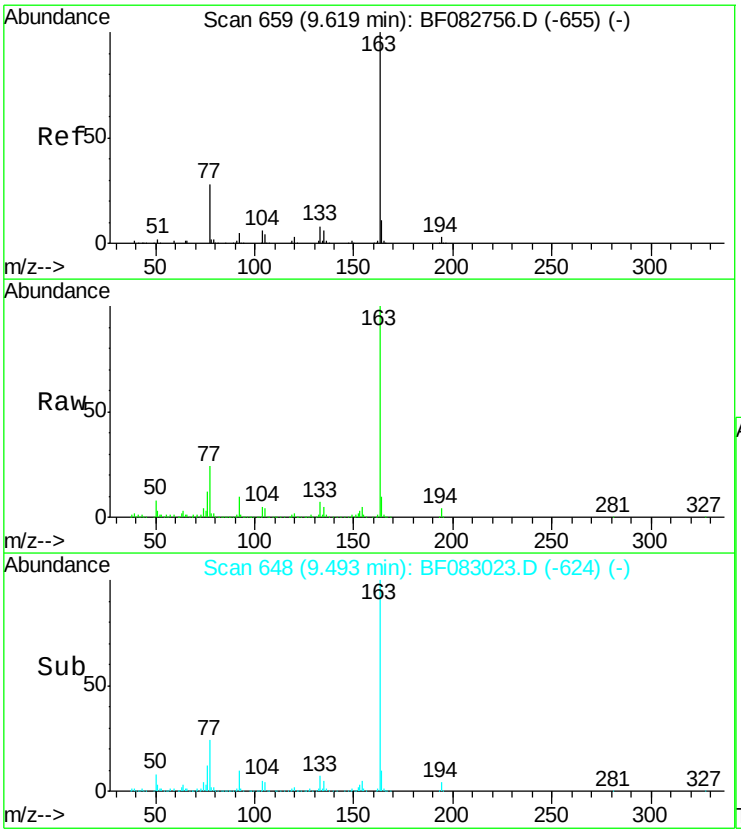
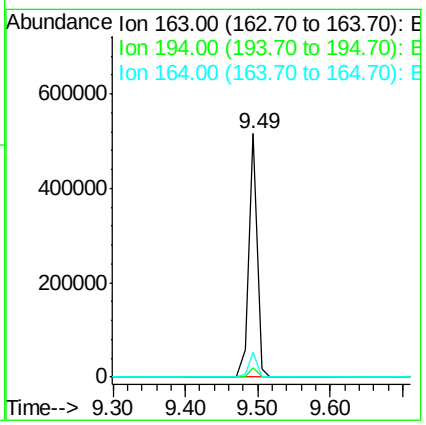
11/19/2015 6:44:48 PM

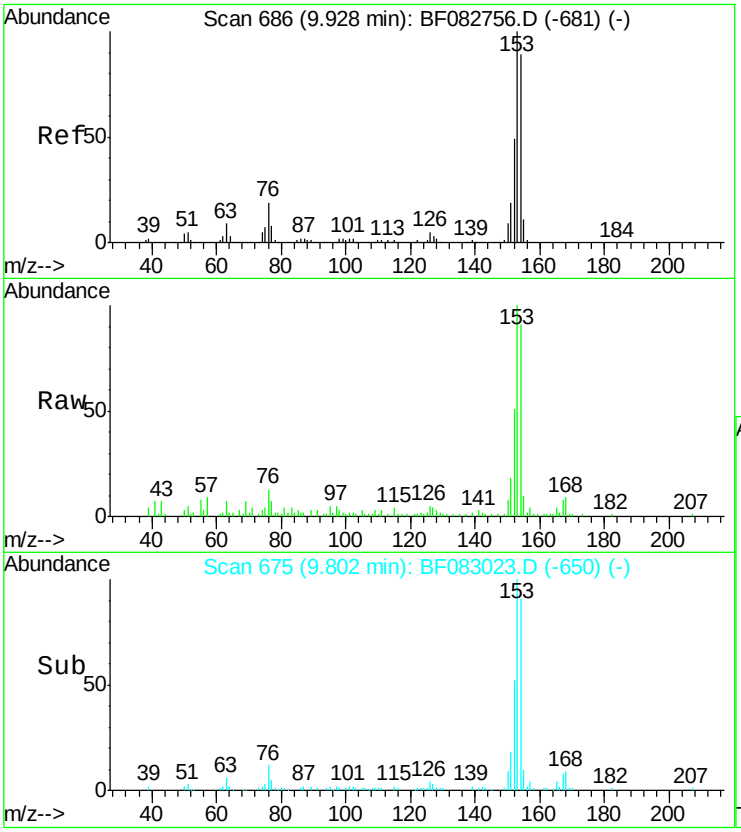


#49
Dimethylphthalate
Concen: 19.70 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:163 Resp: 409629

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.6	4.0
164	10.4	8.7	13.1

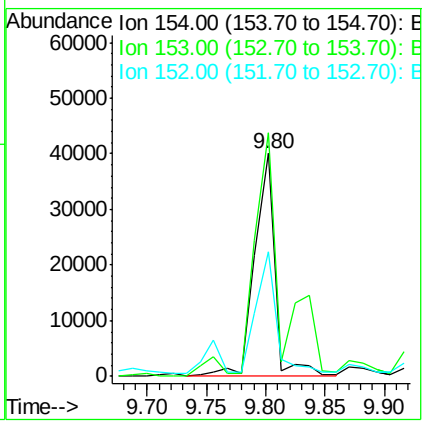




#51
Acenaphthene
Concen: 2.87 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.01 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:154 Resp: 48500

Ion	Ratio	Lower	Upper
154	100		
153	109.3	90.1	135.1
152	56.0	44.3	66.5



Instrument :
BNA_F
ClientSampleId :
TEC-C2

Manual Integrations APPROVED
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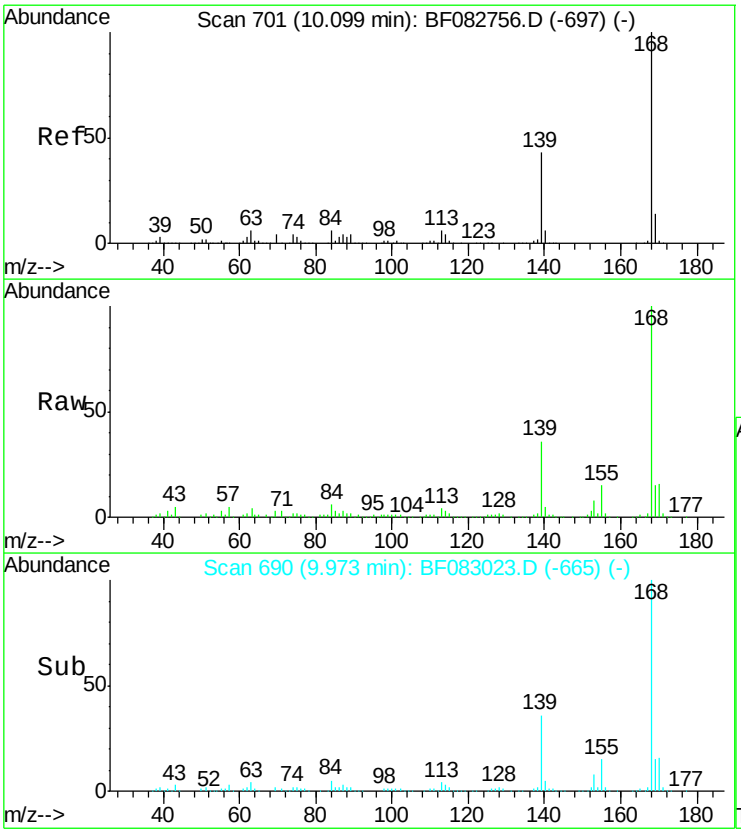
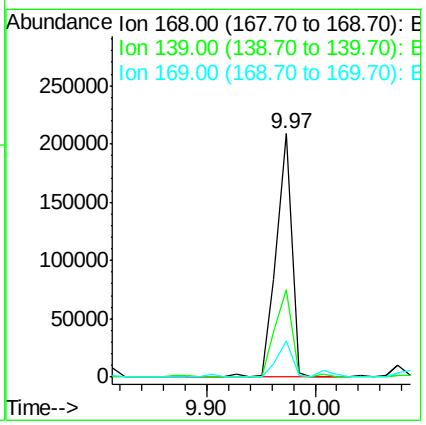
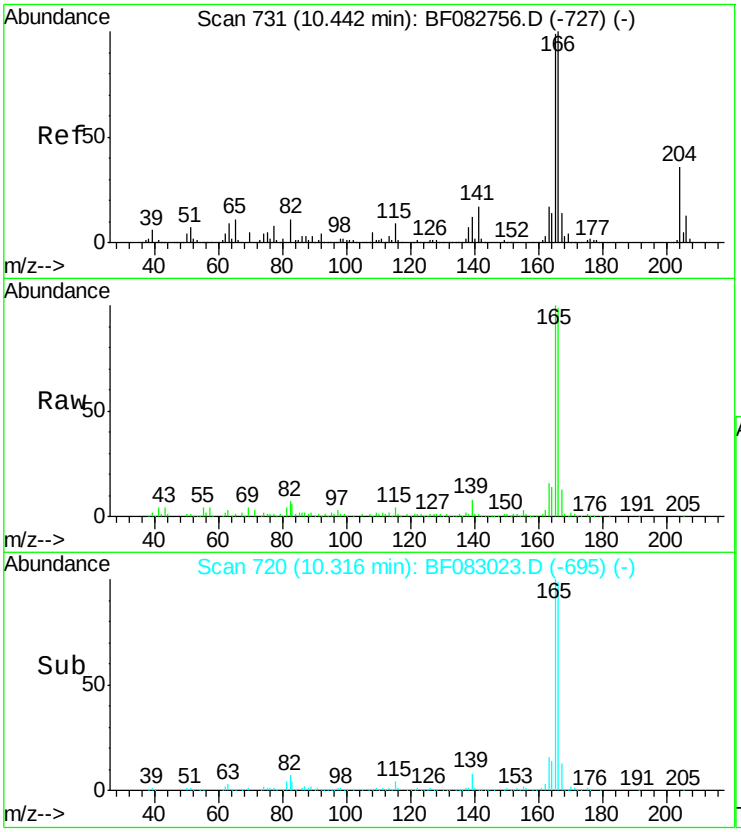


#54
Dibenzofuran
Concen: 9.17 ng
RT: 9.97 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:168 Resp: 208604

Ion	Ratio	Lower	Upper
168	100		
139	35.8	37.8	56.6#
169	15.0	11.3	16.9

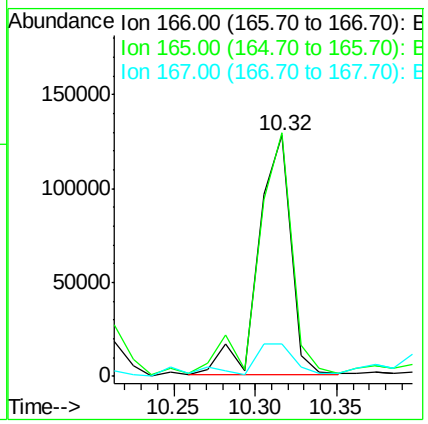




#57
Fluorene
Concen: 9.57 ng
RT: 10.32 min Scan# 720
Delta R.T. -0.01 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:166 Resp: 176339

Ion	Ratio	Lower	Upper
166	100		
165	101.3	80.2	120.4
167	13.4	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
TEC-C2

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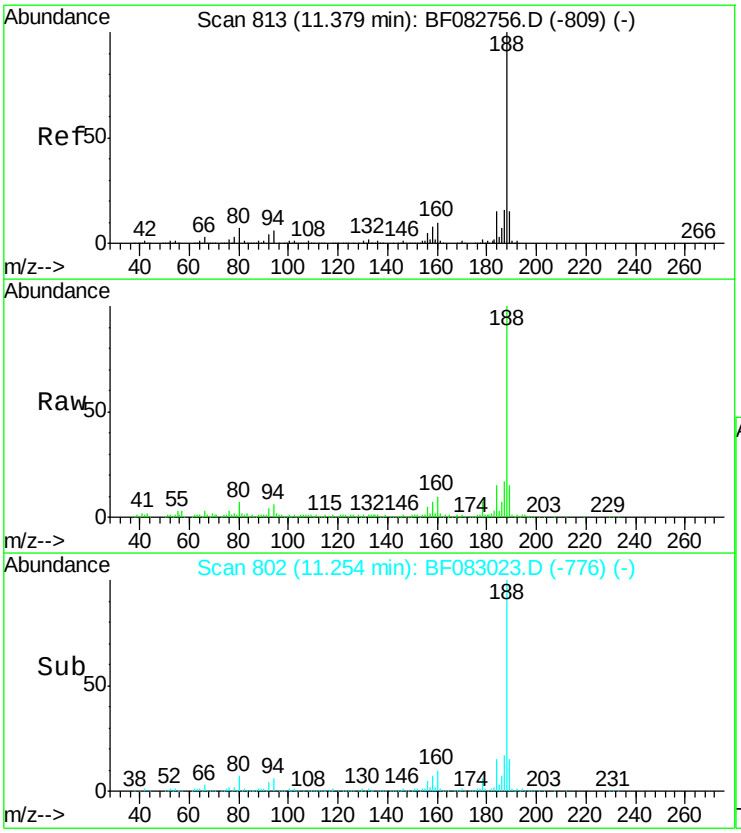
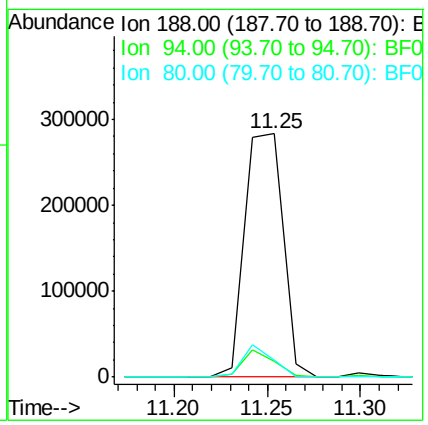
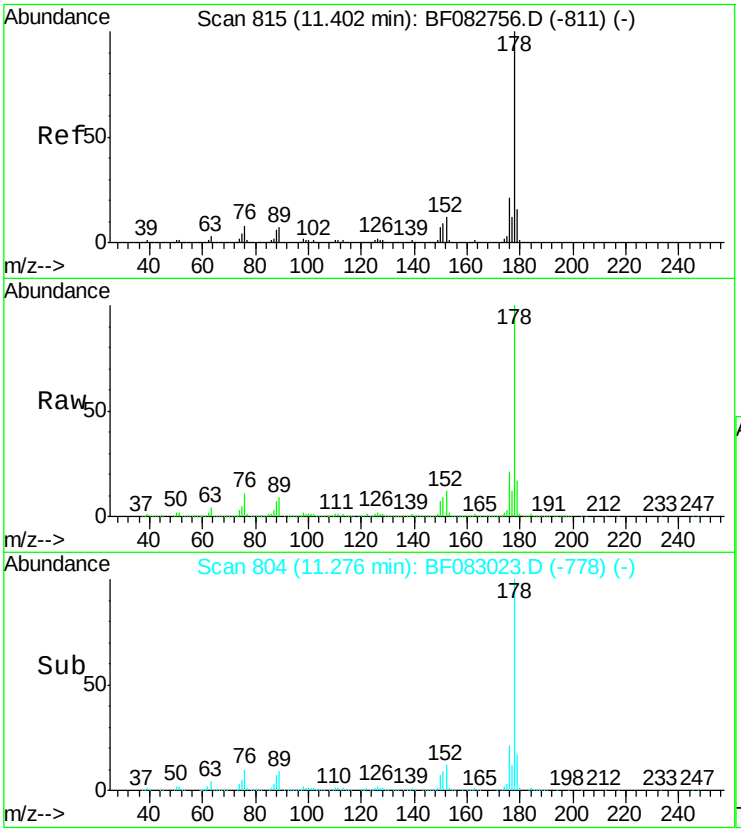


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:188 Resp: 405176

Ion	Ratio	Lower	Upper
188	100		
94	6.5	6.1	9.1
80	7.1	7.0	10.6

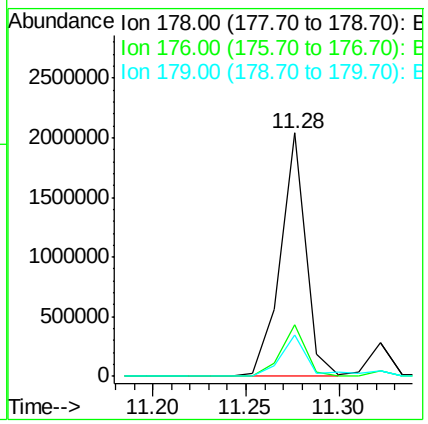




#70
Phenanthrene
Concen: 82.15 ng
RT: 11.28 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:178 Resp: 1932861

Ion	Ratio	Lower	Upper
178	100		
176	21.2	17.0	25.4
179	17.1	13.4	20.0



Instrument :
BNA_F
ClientSampleId :
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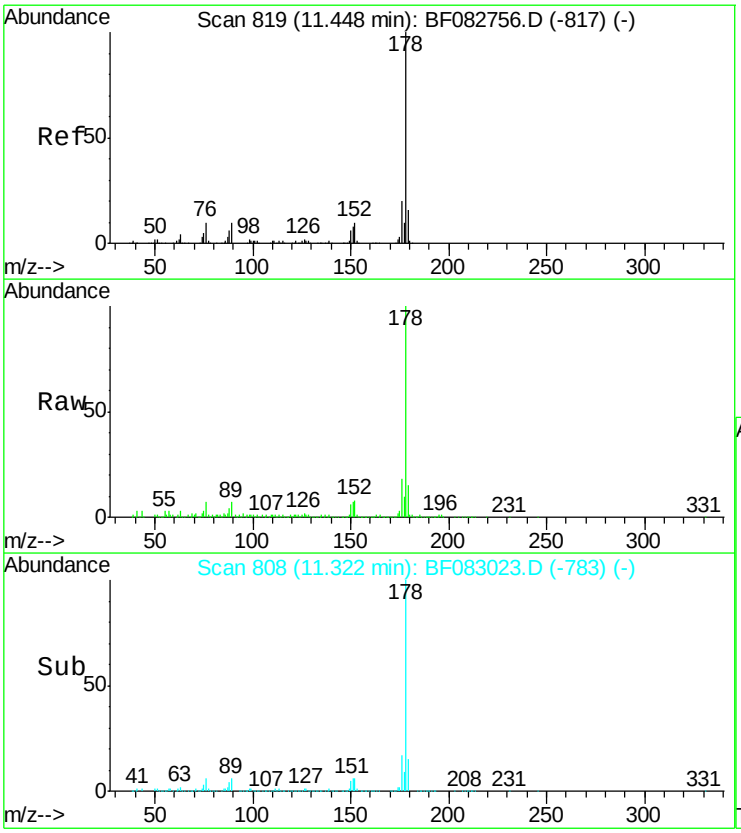
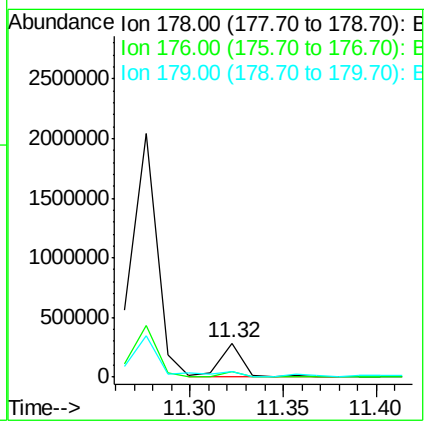
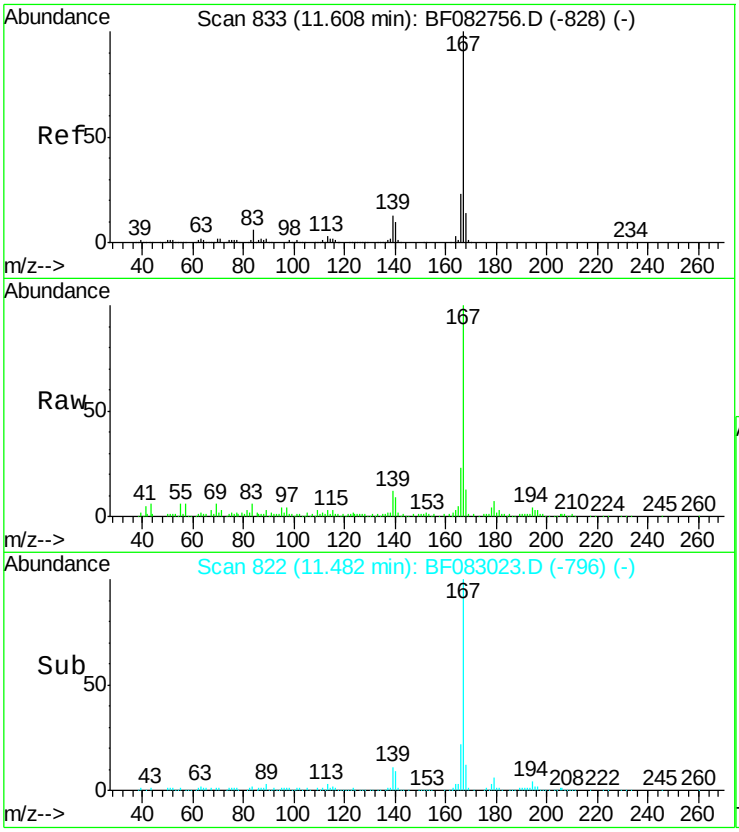


#71
Anthracene
Concen: 9.61 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:178 Resp: 238247

Ion	Ratio	Lower	Upper
178	100		
176	17.7	16.5	24.7
179	15.3	13.2	19.8

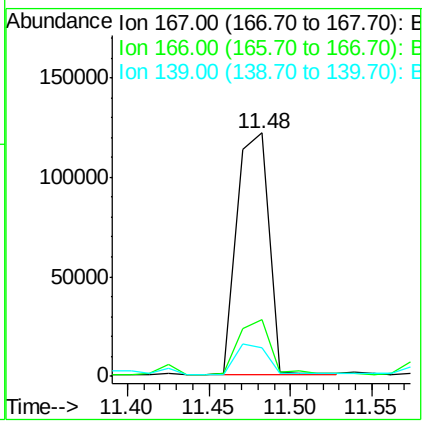




#72
Carbazole
Concen: 7.60 ng
RT: 11.48 min Scan# 822
Delta R.T. 0.00 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:167 Resp: 164906

Ion	Ratio	Lower	Upper
167	100		
166	23.2	18.7	28.1
139	11.8	11.8	17.6



Instrument :
BNA_F
ClientSampleId :
TEC-C2

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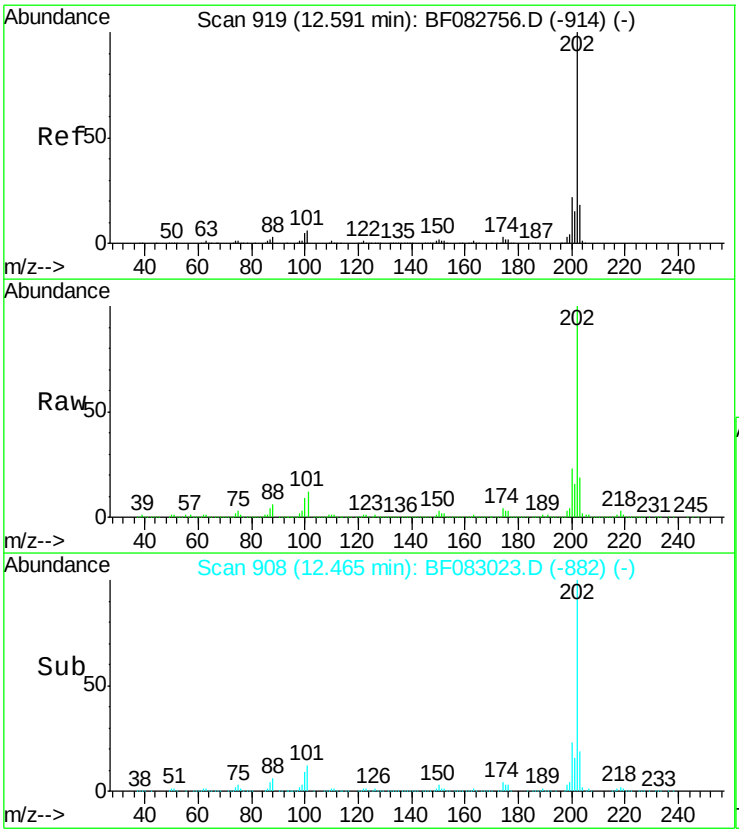
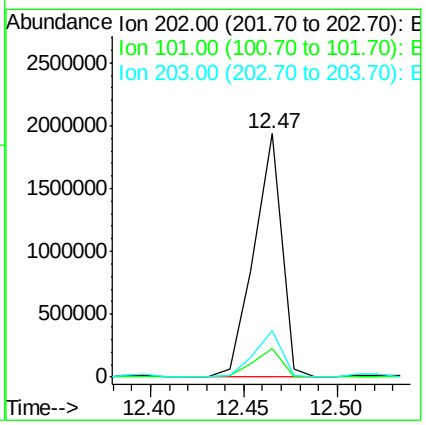
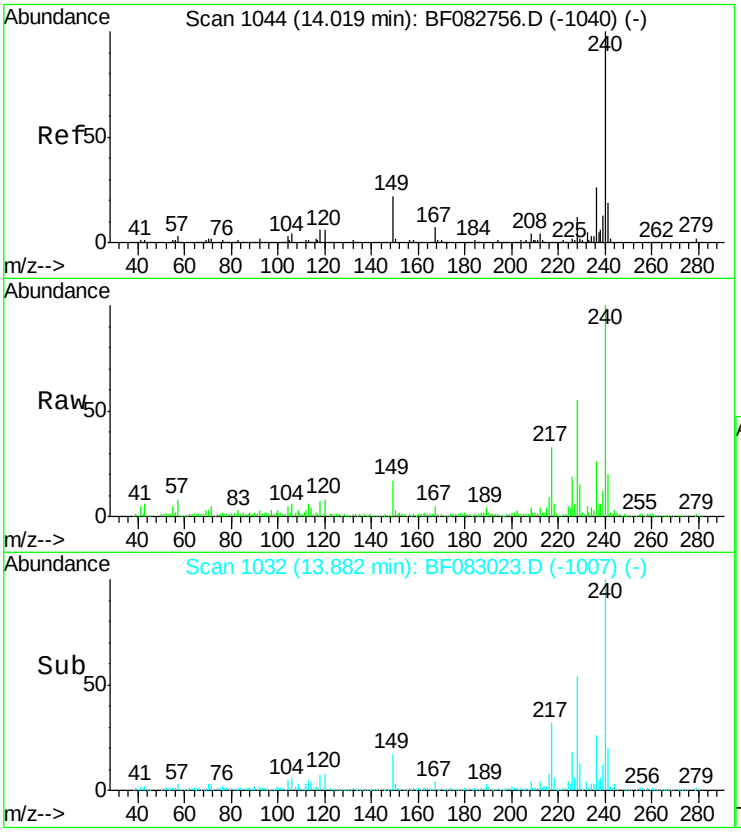


#74
Fluoranthene
Concen: 78.34 ng
RT: 12.47 min Scan# 908
Delta R.T. 0.00 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:202 Resp: 1978023

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	30.5
203	19.1	0.0	38.5

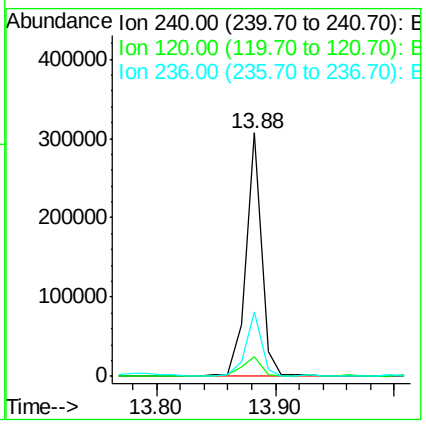




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.88 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:240 Resp: 281395

Ion	Ratio	Lower	Upper
240	100		
120	8.1	10.9	16.3#
236	26.3	21.6	32.4



Instrument :
BNA_F
ClientSampleId :
TEC-C2

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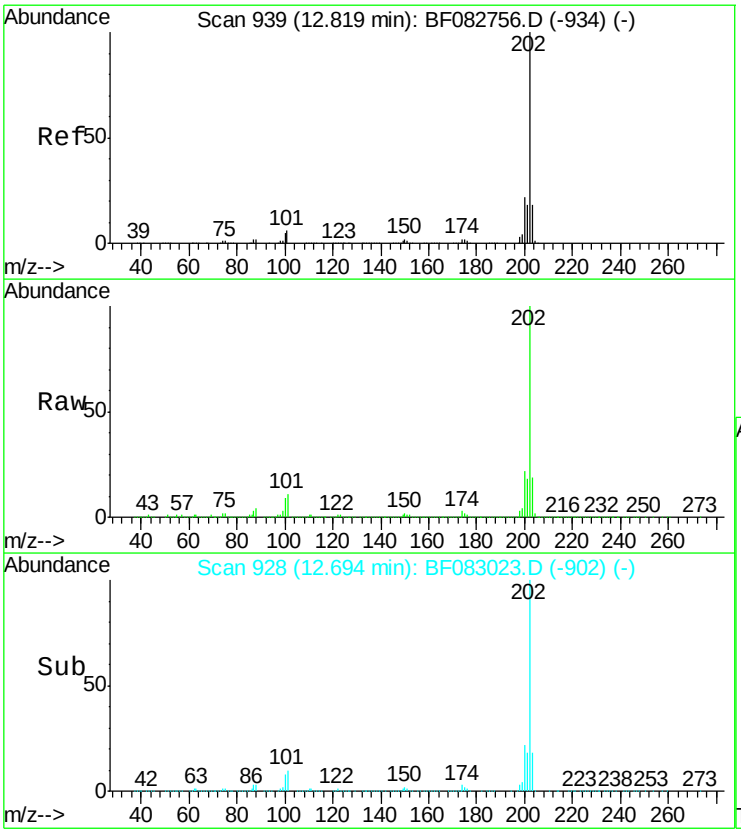
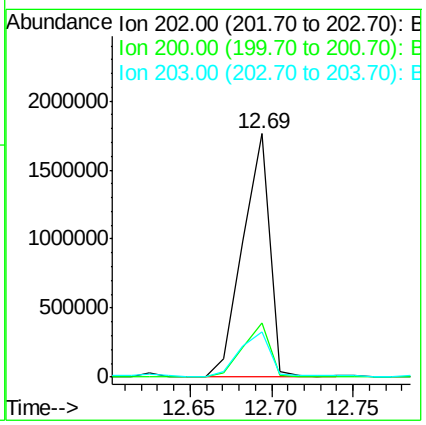
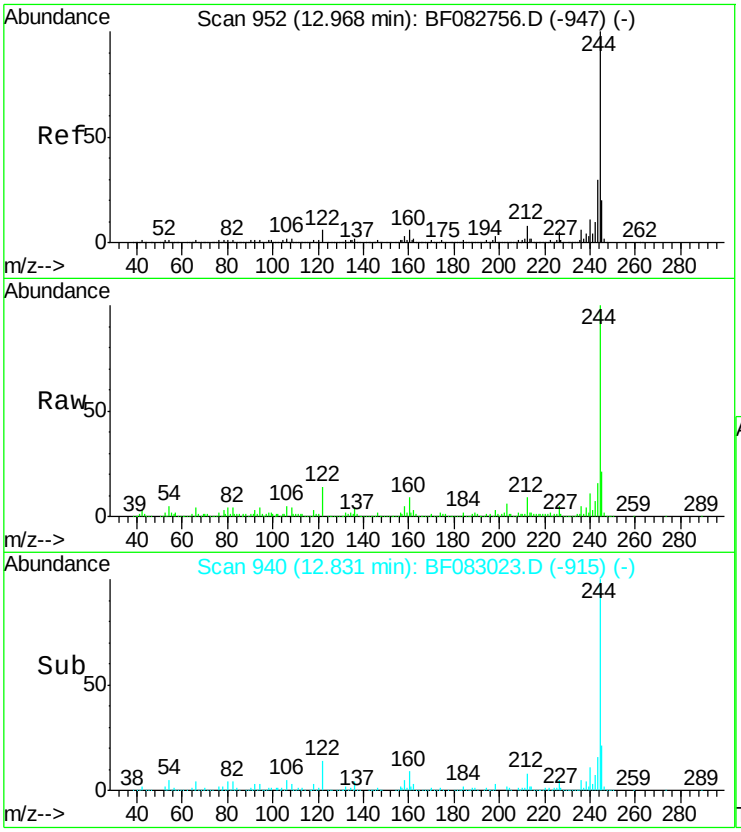


#77
Pyrene
Concen: 103.23 ng
RT: 12.69 min Scan# 928
Delta R.T. 0.00 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:202 Resp: 1994949

Ion	Ratio	Lower	Upper
202	100		
200	22.4	18.7	28.1
203	18.8	14.8	22.2

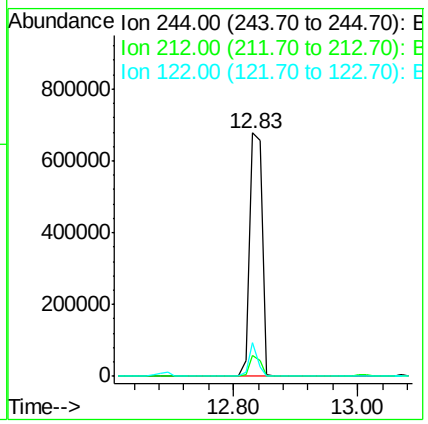




#78
Terphenyl-d14
Concen: 80.24 ng
RT: 12.83 min Scan# 940
Delta R.T. -0.01 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:244 Resp: 951973

Ion	Ratio	Lower	Upper
244	100		
212	8.5	7.6	11.4
122	13.9	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
TEC-C2

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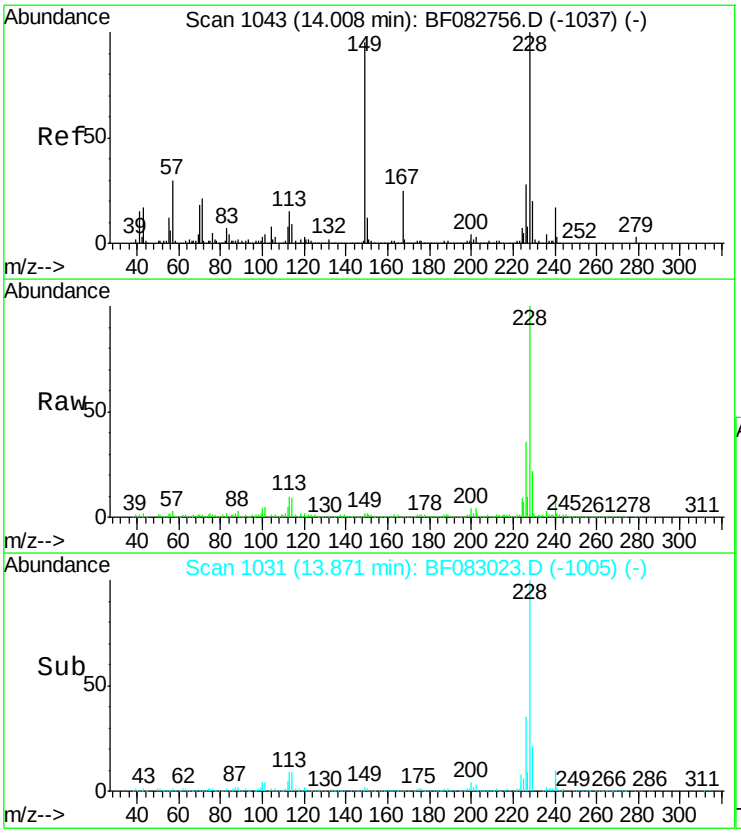
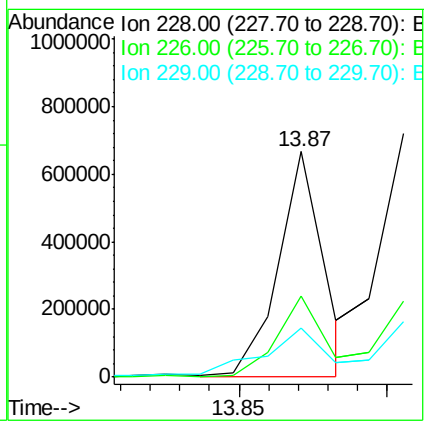
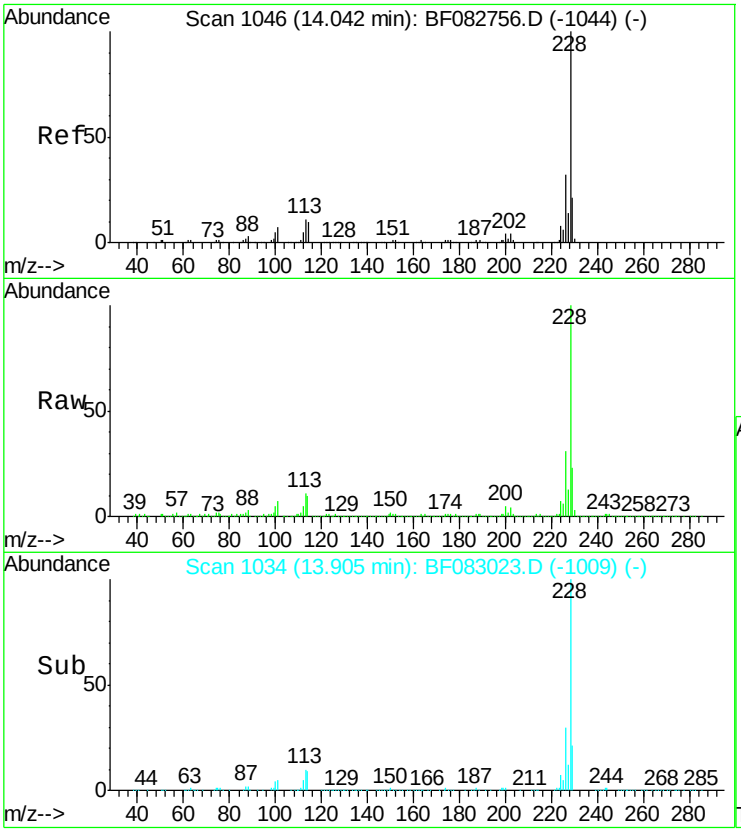


#80
Benzo(a)anthracene
Concen: 40.04 ng m
RT: 13.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:228 Resp: 704586

Ion	Ratio	Lower	Upper
228	100		
226	35.9	23.4	35.2#
229	21.7	16.3	24.5





#82
Chrysene
Concen: 51.99 ng
RT: 13.91 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:228 Resp: 837911

Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.5	38.3
229	22.5	16.3	24.5

Instrument :
BNA_F
ClientSampleId :
TEC-C2

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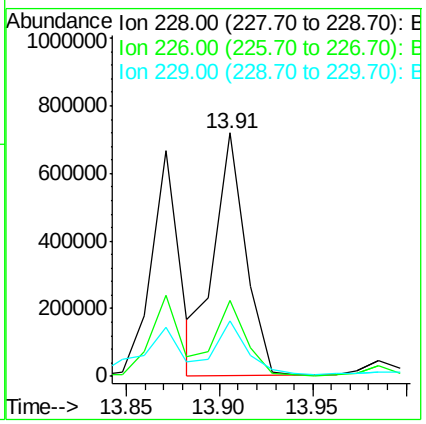
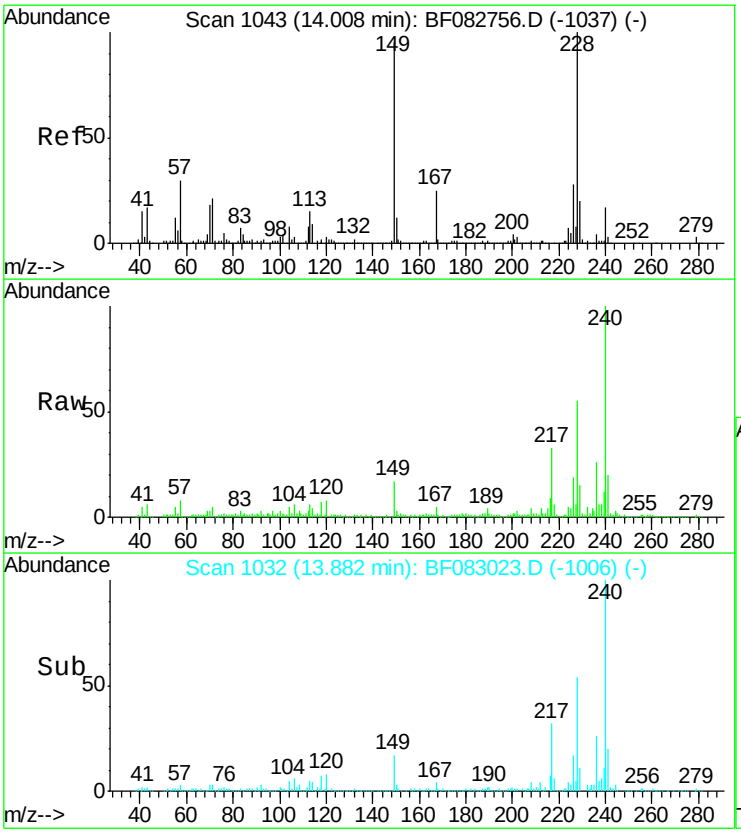
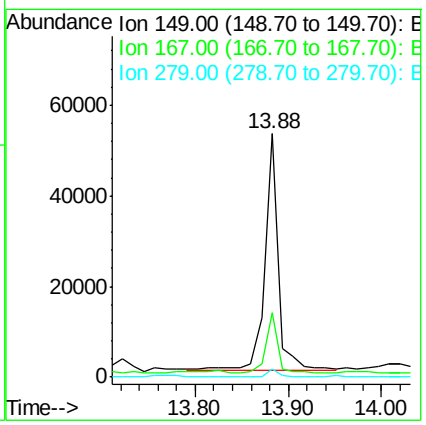


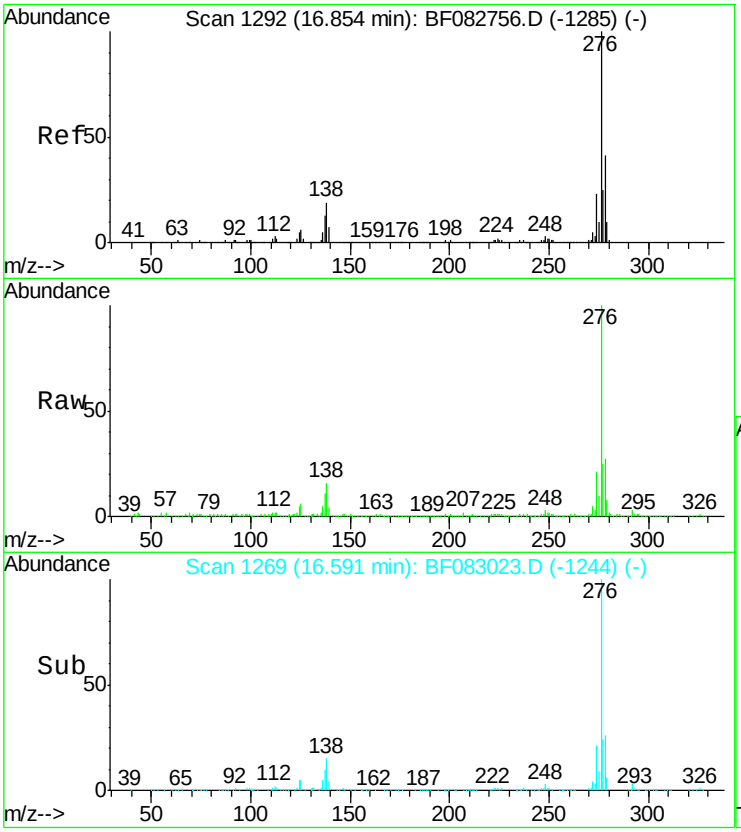


#83
Bis(2-ethylhexyl)phthalate
Concen: 4.51 ng
RT: 13.88 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:149 Resp: 52688

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.2	31.8
279	3.5	2.2	3.2#

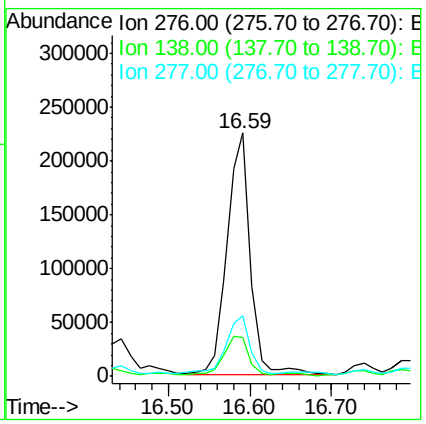




#85
Indeno(1,2,3-cd)pyrene
Concen: 31.71 ng
RT: 16.59 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:276 Resp: 440181

Ion	Ratio	Lower	Upper
276	100		
138	17.0	15.3	22.9
277	24.5	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
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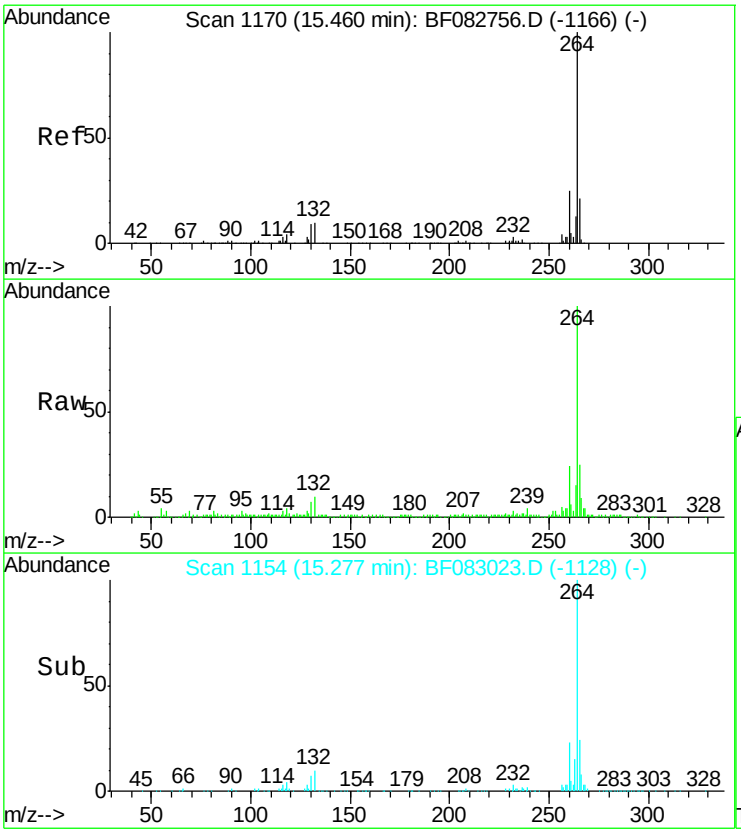
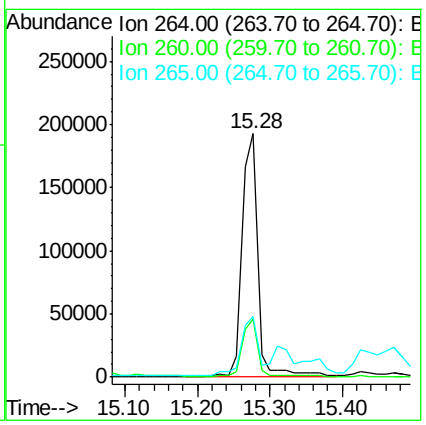
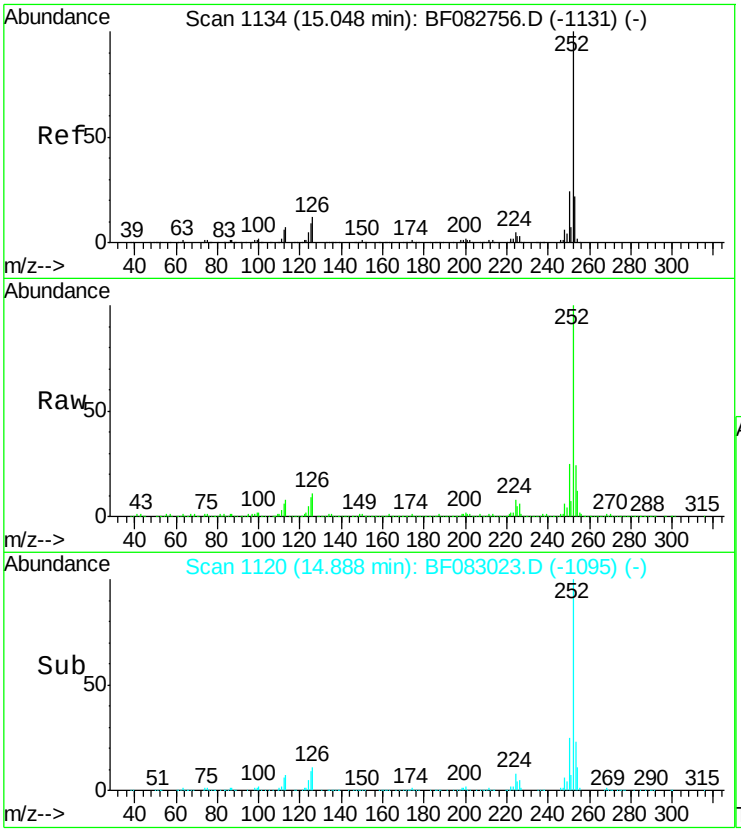


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:264 Resp: 288712

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.8	29.6
265	24.7	17.4	26.0

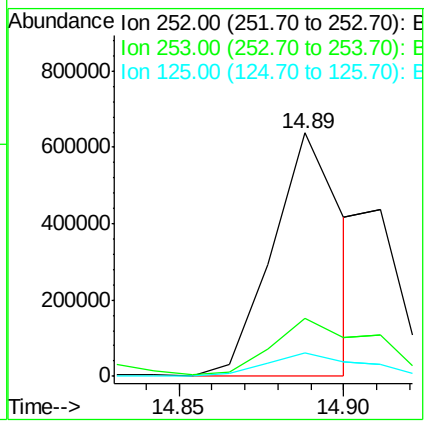




#87
Benzo(b)fluoranthene
Concen: 51.10 ng m
RT: 14.89 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:252 Resp: 947021

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.8
125	9.5	5.4	8.2#



Instrument :
BNA_F
ClientSampleId :
TEC-C2

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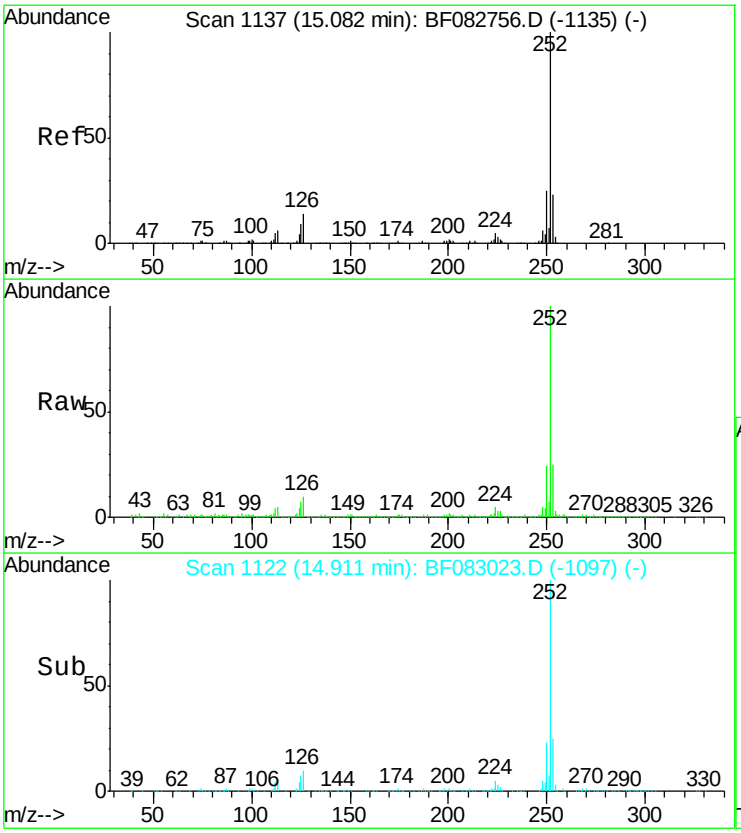
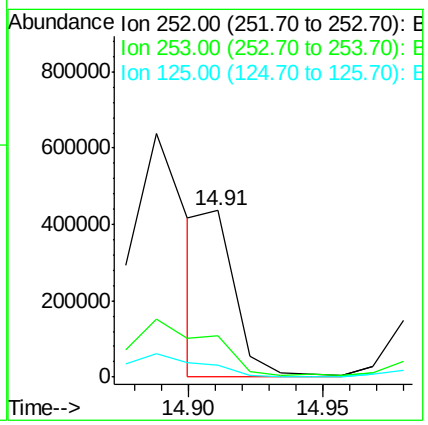
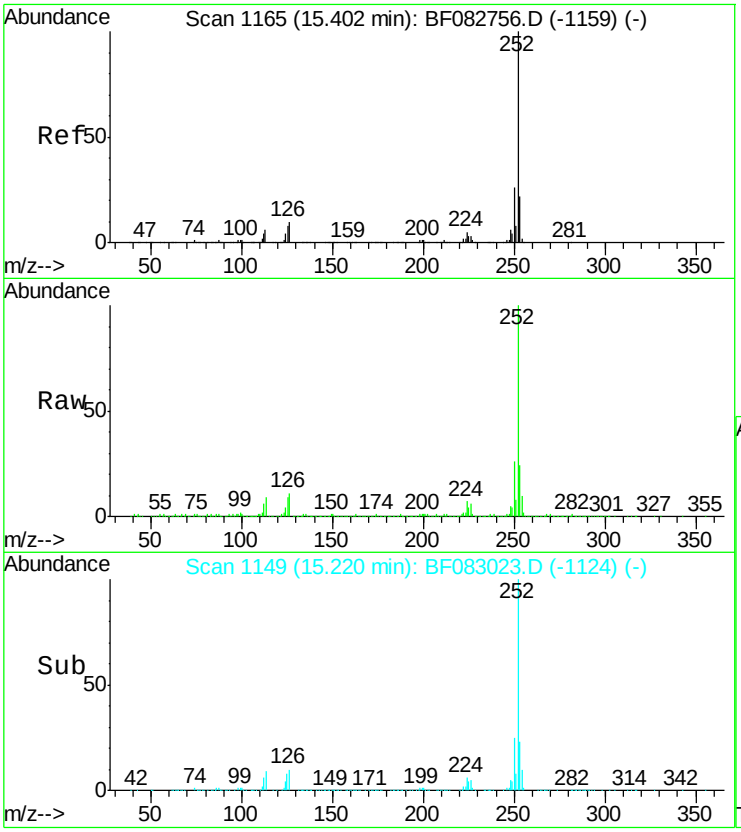


#88
Benzo(k)fluoranthene
Concen: 21.39 ng m
RT: 14.91 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:252 Resp: 351642

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.9	26.9
125	7.2	3.5	5.3#

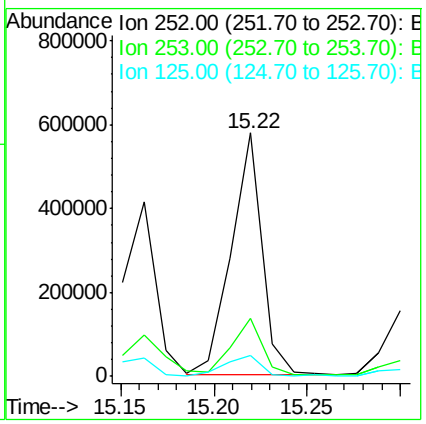




#89
Benzo(a)pyrene
Concen: 41.82 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:252 Resp: 671396

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.3	25.9
125	8.6	7.1	10.7



Instrument :
BNA_F
ClientSampleId :
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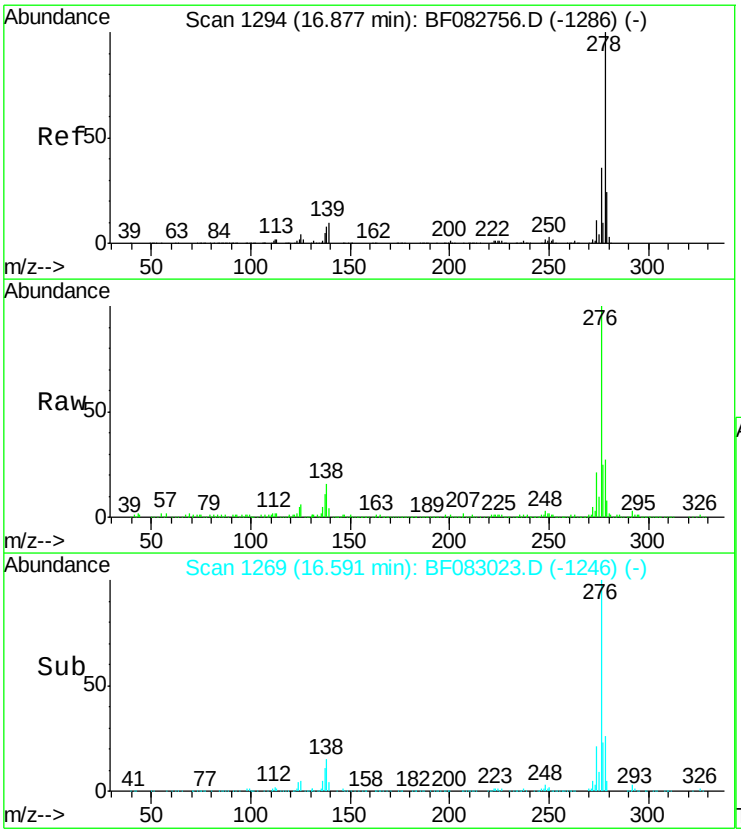
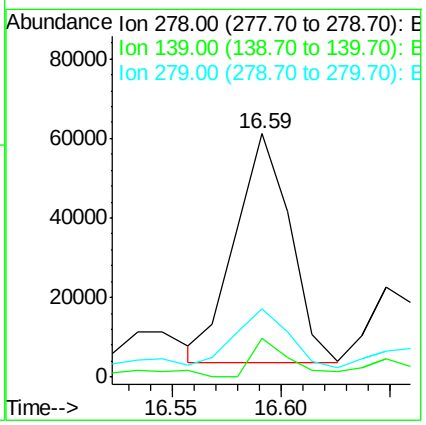
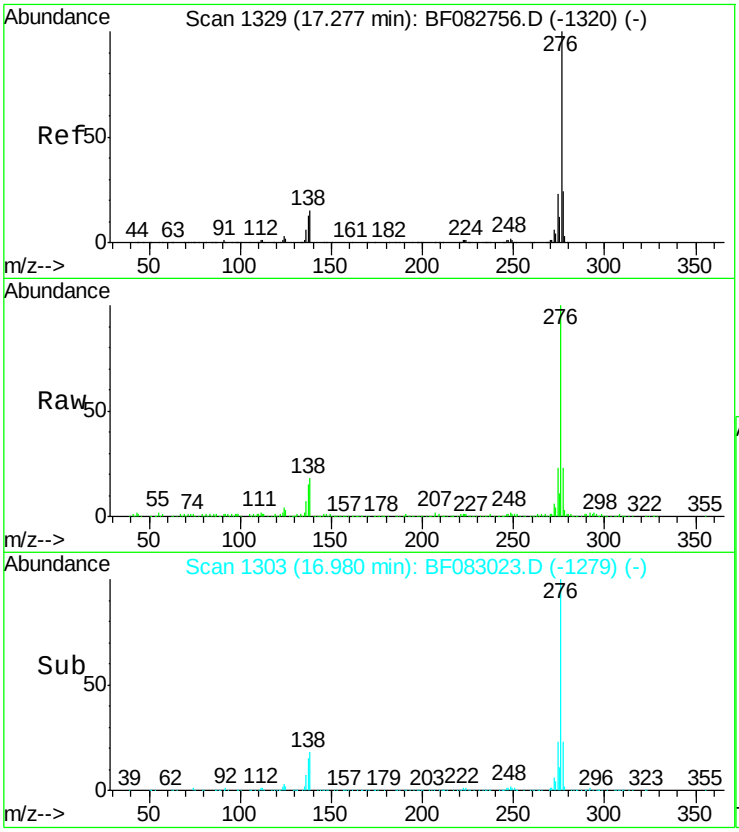


#90
Dibenzo(a,h)anthracene
Concen: 7.41 ng m
RT: 16.59 min Scan# 1269
Delta R.T. -0.03 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:278 Resp: 100743

Ion	Ratio	Lower	Upper
278	100		
139	16.2	9.9	14.9#
279	28.1	19.6	29.4

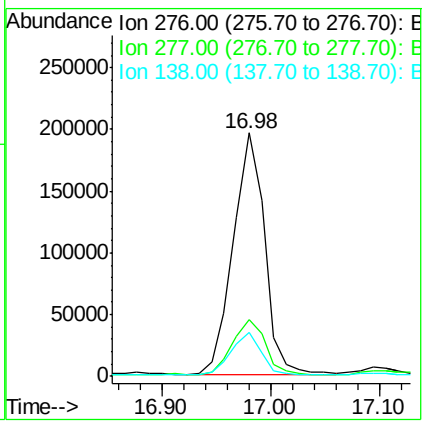




#91
Benzo(g,h,i)perylene
Concen: 30.04 ng
RT: 16.98 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:276 Resp: 391261

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.2	28.8
138	18.3	13.1	19.7



Instrument :
BNA_F
ClientSampleId :
TEC-C2

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