Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
Data File : BF075567.D
Acq On : 16 Nov 2014 3:32
Operator : TP / JJ
Sample : F4713-03
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-3(3-4)

Manual Integrations APPROVED
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11/17/2014 7:38:54 PM

Quant Time: Nov 17 03:41:41 2014
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 17 01:17:49 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	55950	20.00	ng		0.00
21) Naphthalene-d8	9.13	136	240130	20.00	ng		0.00
38) Acenaphthene-d10	11.32	164	126674	20.00	ng		0.00
63) Phenanthrene-d10	13.17	188	210687	20.00	ng		0.01
75) Chrysene-d12	16.47	240	211897	20.00	ng		0.00
86) Perylene-d12	18.24	264	208254	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.86	112	249447	78.76	ng		0.02
7) Phenol-d6	7.11	99	327081	85.88	ng		0.01
23) Nitrobenzene-d5	8.24	82	176854	54.00	ng		0.00
41) 2,4,6-Tribromophenol	12.31	330	103694	97.73	ng		0.01
44) 2-Fluorobiphenyl	10.48	172	455432	64.97	ng		0.00
78) Terphenyl-d14	15.17	244	478722	60.82	ng		0.01
Target Compounds							Qvalue
32) Benzoic acid	8.81	122	95271m	47.04	ng		
48) Acenaphthylene	11.14	152	53649	4.87	ng		98
49) Dimethylphthalate	10.98	163	75306	8.70	ng		99
57) Fluorene	12.00	166	28188	3.67	ng		97
70) Phenanthrene	13.20	178	260071	23.45	ng		99
71) Anthracene	13.27	178	81060	7.07	ng		100
74) Fluoranthene	14.69	202	388022	32.67	ng		94
77) Pyrene	14.97	202	325841	26.45	ng		99
80) Benzo(a)anthracene	16.46	228	193182	17.35	ng	#	88
82) Chrysene	16.51	228	143905	14.95	ng		96
83) Bis(2-ethylhexyl)phthalate	16.49	149	59110	5.42	ng		100
85) Indeno(1,2,3-cd)pyrene	19.81	276	105500	9.03	ng	#	100
87) Benzo(b)fluoranthene	17.77	252	249192m	22.38	ng		
88) Benzo(k)fluoranthene	17.80	252	51200m	5.12	ng		
89) Benzo(a)pyrene	18.17	252	155732	15.63	ng		95
90) Dibenzo(a,h)anthracene	19.83	278	29292	2.82	ng	#	78
91) Benzo(g,h,i)perylene	20.28	276	95138	9.60	ng		94

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

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BNA_F
ClientSampleId :
SB-3(3-4)

Manual Integrations APPROVED
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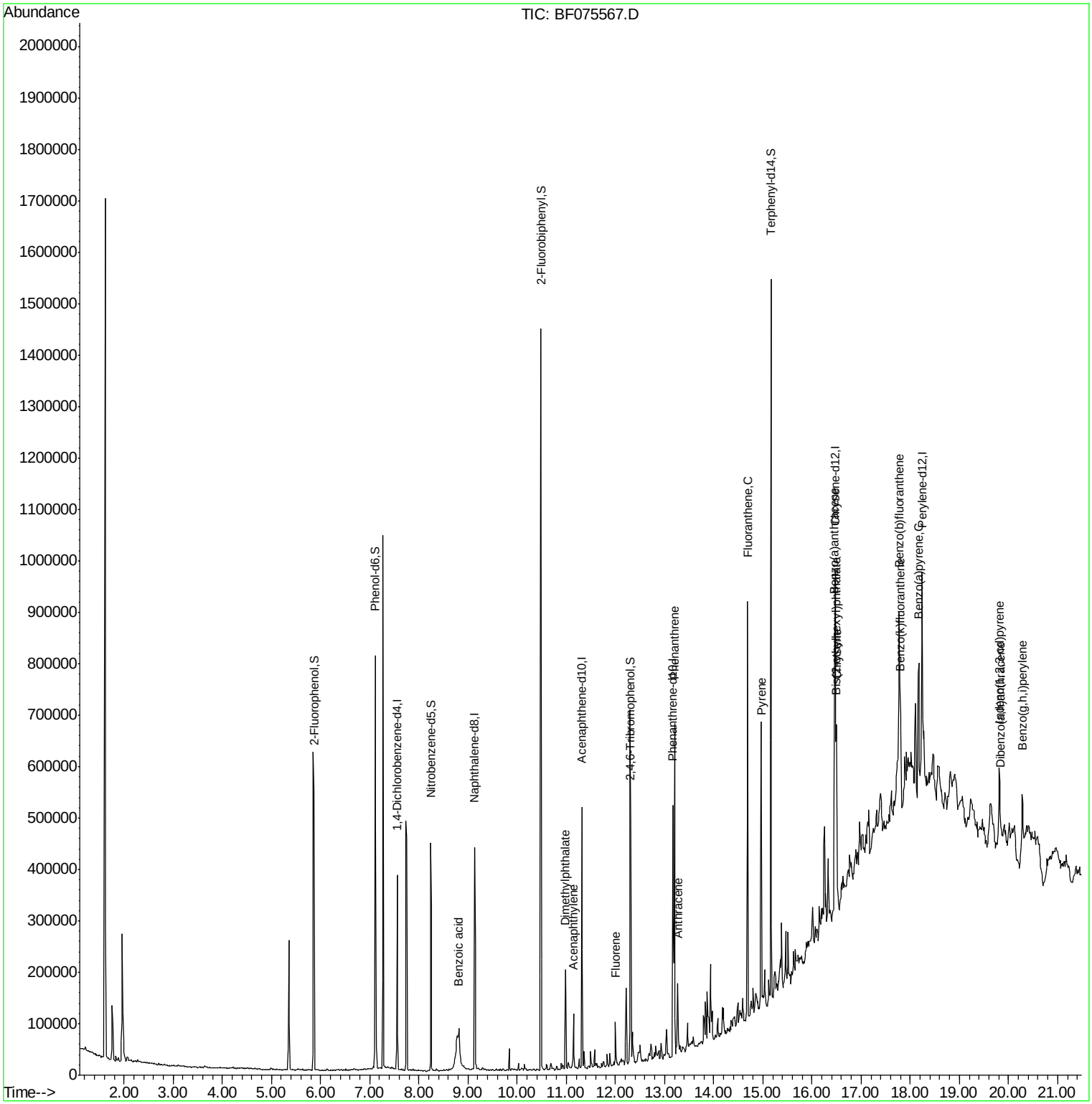
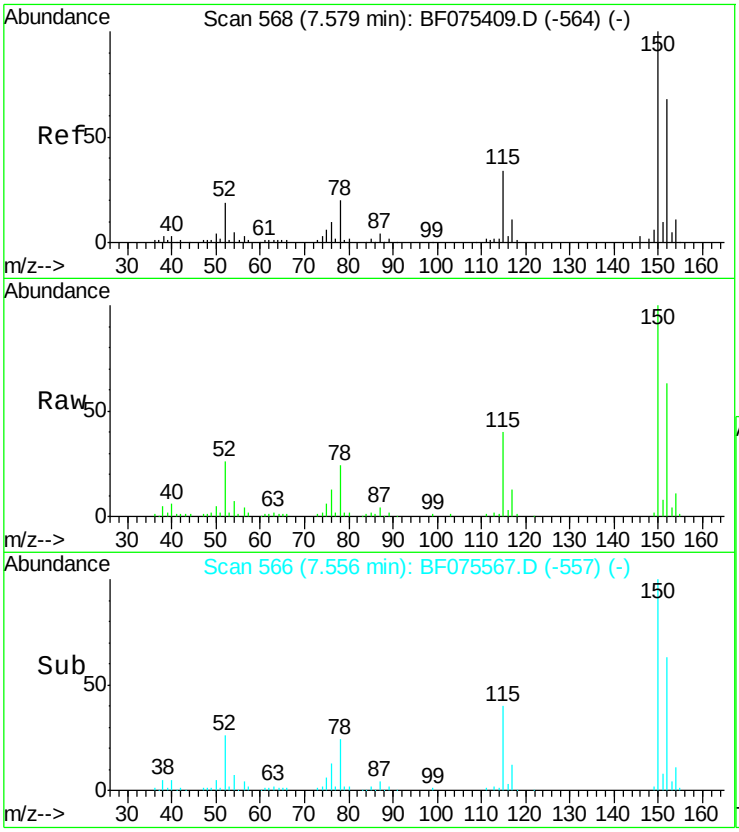
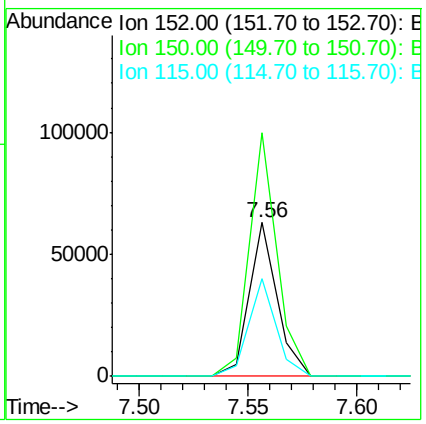




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.56 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:152 Resp: 55950

Ion	Ratio	Lower	Upper
152	100		
150	158.4	127.2	190.8
115	63.4	57.1	85.7



Instrument :
BNA_F
ClientSampleId :
SB-3(3-4)

Manual Integrations APPROVED
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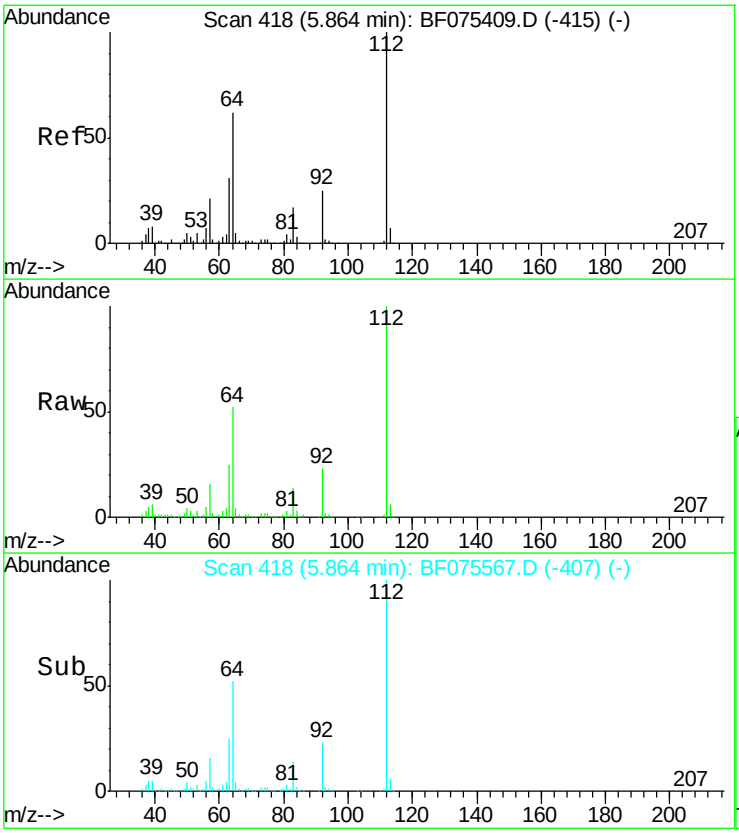
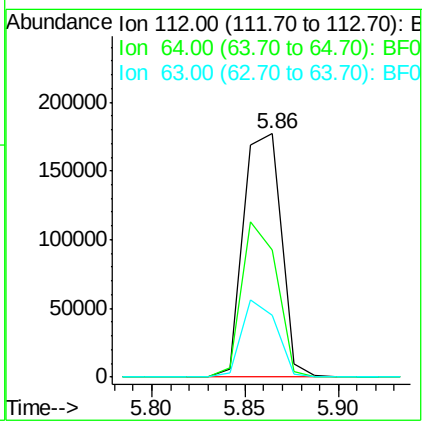
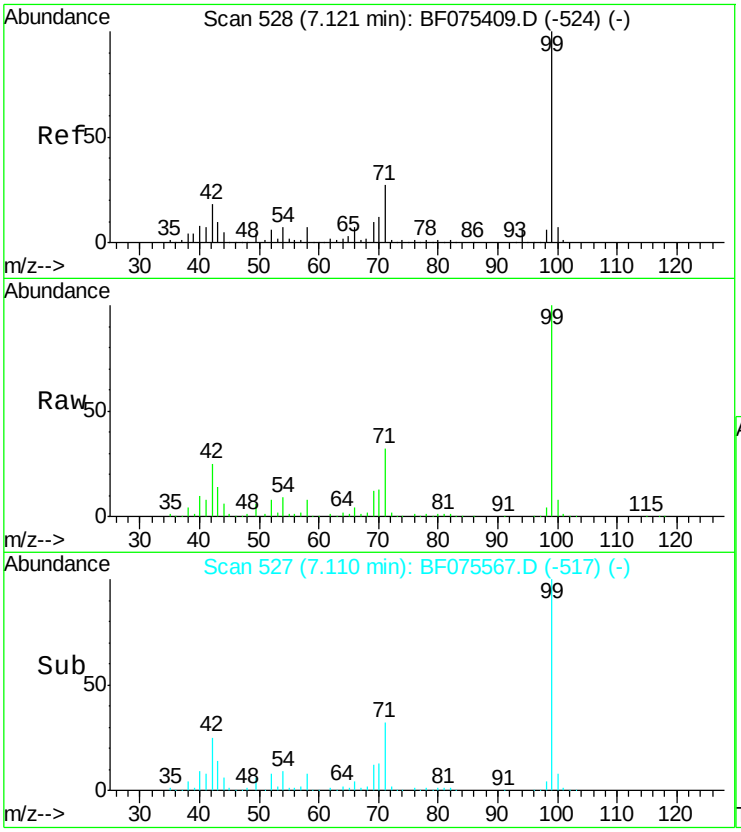


#5
2-Fluorophenol
Concen: 78.76 ng
RT: 5.86 min Scan# 418
Delta R.T. 0.02 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:112 Resp: 249447

Ion	Ratio	Lower	Upper
112	100		
64	52.0	45.8	68.6
63	25.4	22.7	34.1

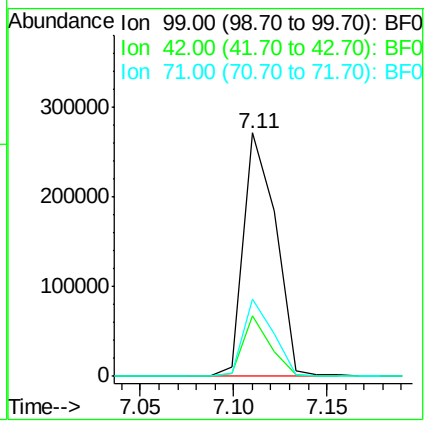




#7
Phenol-d6
Concen: 85.88 ng
RT: 7.11 min Scan# 527
Delta R.T. 0.01 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion: 99 Resp: 327081

Ion	Ratio	Lower	Upper
99	100		
42	24.7	19.8	29.6
71	31.9	25.5	38.3



Instrument :
BNA_F
ClientSampleId :
SB-3(3-4)

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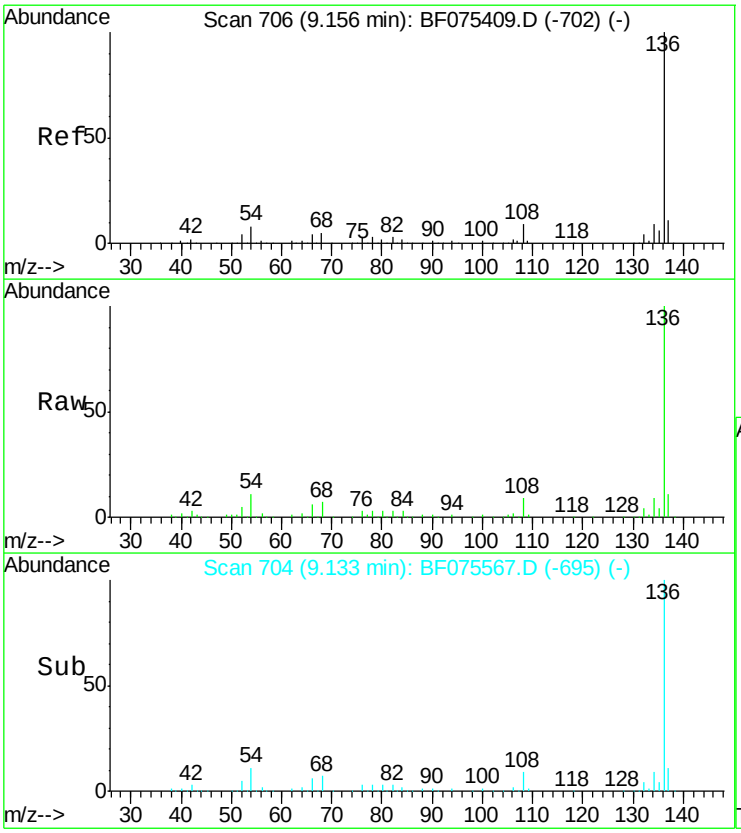
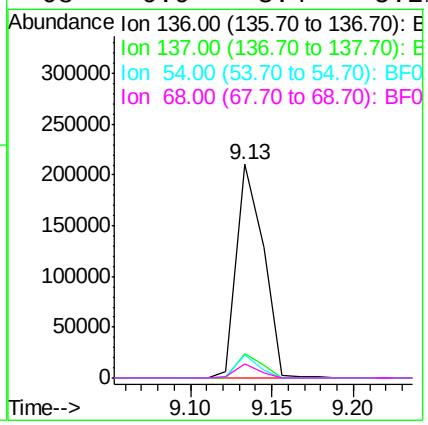
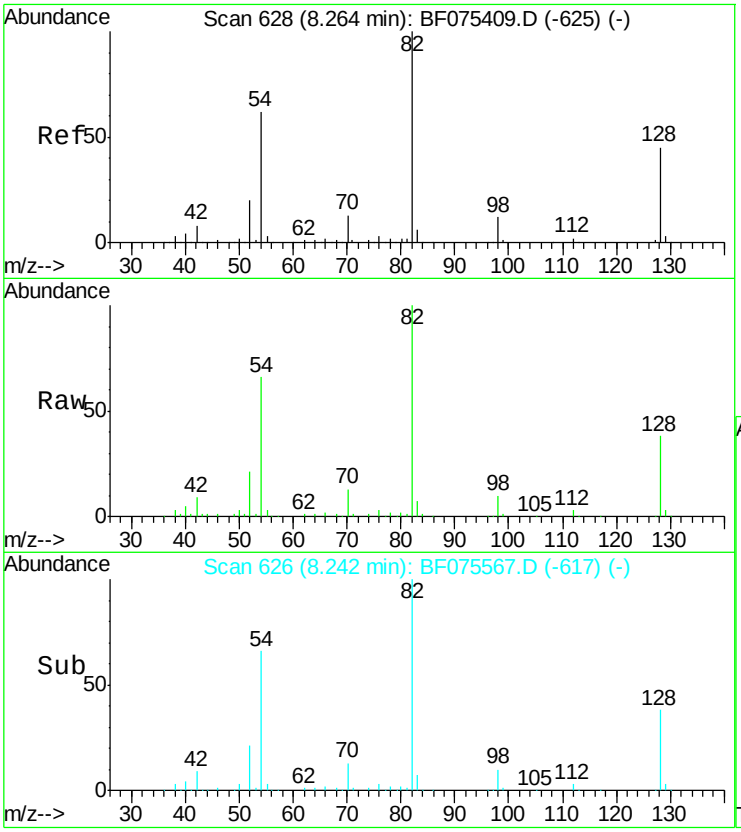


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.13 min Scan# 704
Delta R.T. -0.00 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:136 Resp: 240130

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.2	12.4
54	11.1	6.2	9.4#
68	6.9	3.4	5.2#

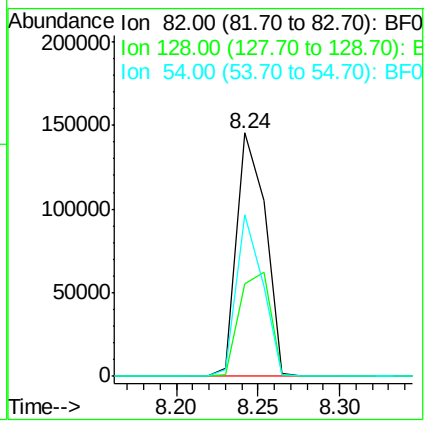




#23
Nitrobenzene-d5
Concen: 54.00 ng
RT: 8.24 min Scan# 626
Delta R.T. -0.00 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion: 82 Resp: 176854

Ion	Ratio	Lower	Upper
82	100		
128	38.1	37.8	56.6
54	66.4	49.8	74.8



Instrument :
BNA_F
ClientSampleId :
SB-3(3-4)

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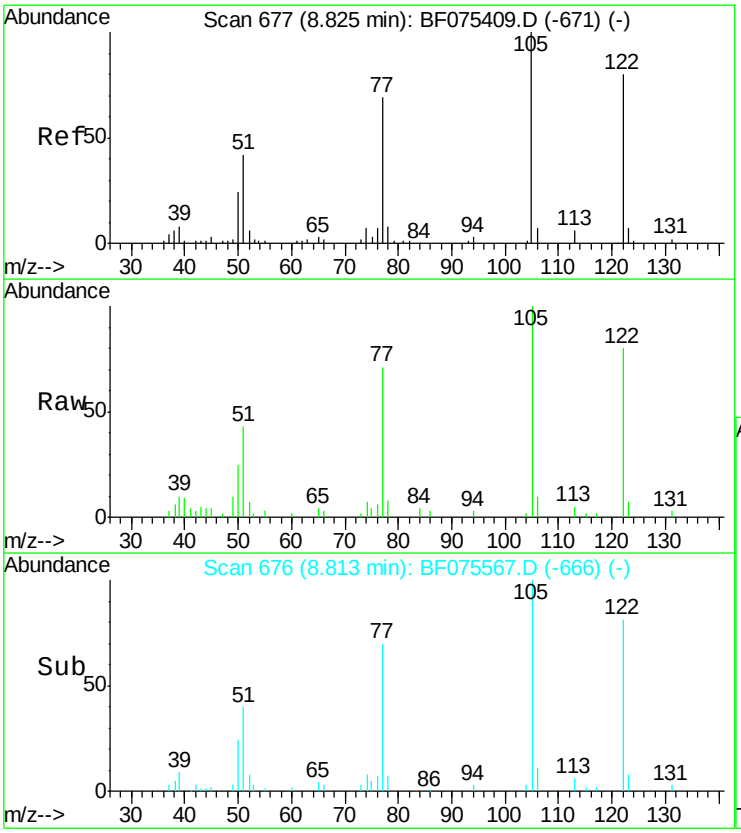
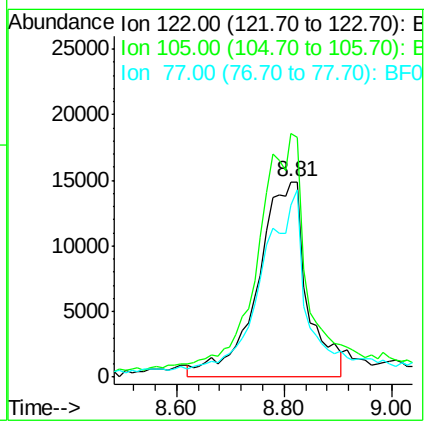
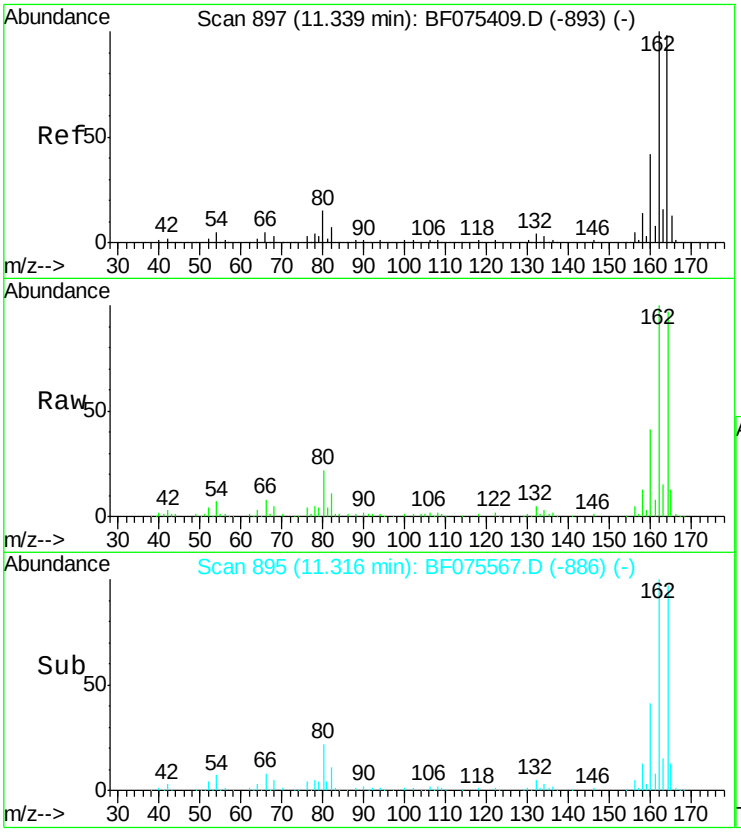


#32
Benzoic acid
Concen: 47.04 ng m
RT: 8.81 min Scan# 676
Delta R.T. 0.01 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:122 Resp: 95271

Ion	Ratio	Lower	Upper
122	100		
105	124.5	95.1	135.1
77	88.0	62.6	102.6

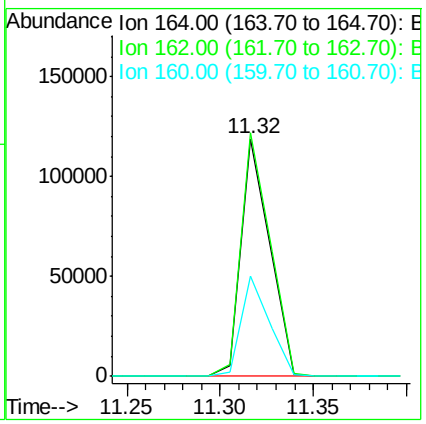




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 895
Delta R.T. -0.00 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:164 Resp: 126674

Ion	Ratio	Lower	Upper
164	100		
162	102.6	79.1	118.7
160	42.5	34.6	51.8



Instrument :
BNA_F
ClientSampleId :
SB-3(3-4)

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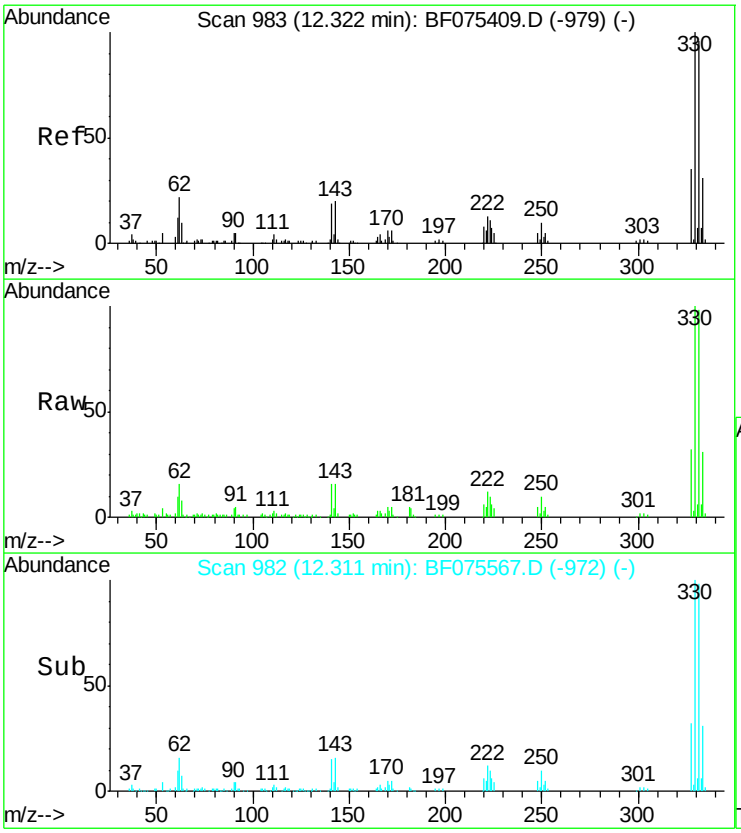
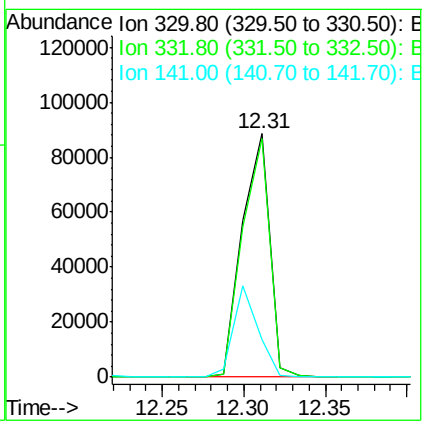
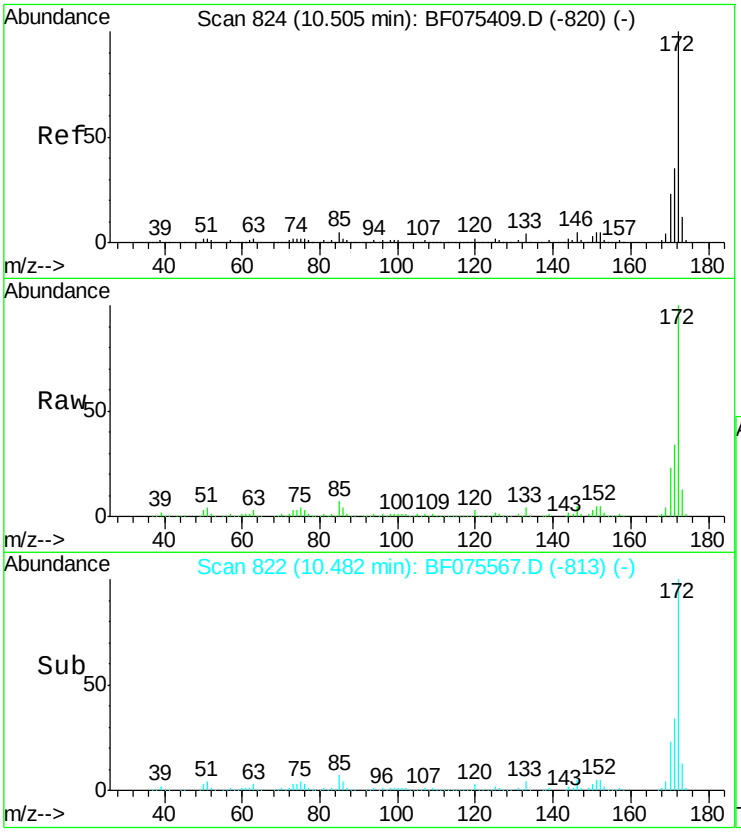


#41
2,4,6-Tribromophenol
Concen: 97.73 ng
RT: 12.31 min Scan# 982
Delta R.T. 0.01 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:330 Resp: 103694

Ion	Ratio	Lower	Upper
330	100		
332	97.0	74.5	111.7
141	33.7	30.7	46.1

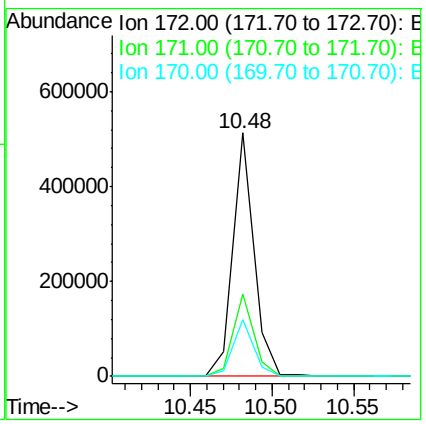




#44
2-Fluorobiphenyl
Concen: 64.97 ng
RT: 10.48 min Scan# 822
Delta R.T. -0.00 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:172 Resp: 455432

Ion	Ratio	Lower	Upper
172	100		
171	33.9	27.3	40.9
170	23.2	18.4	27.6



Instrument :
BNA_F
ClientSampleId :
SB-3(3-4)

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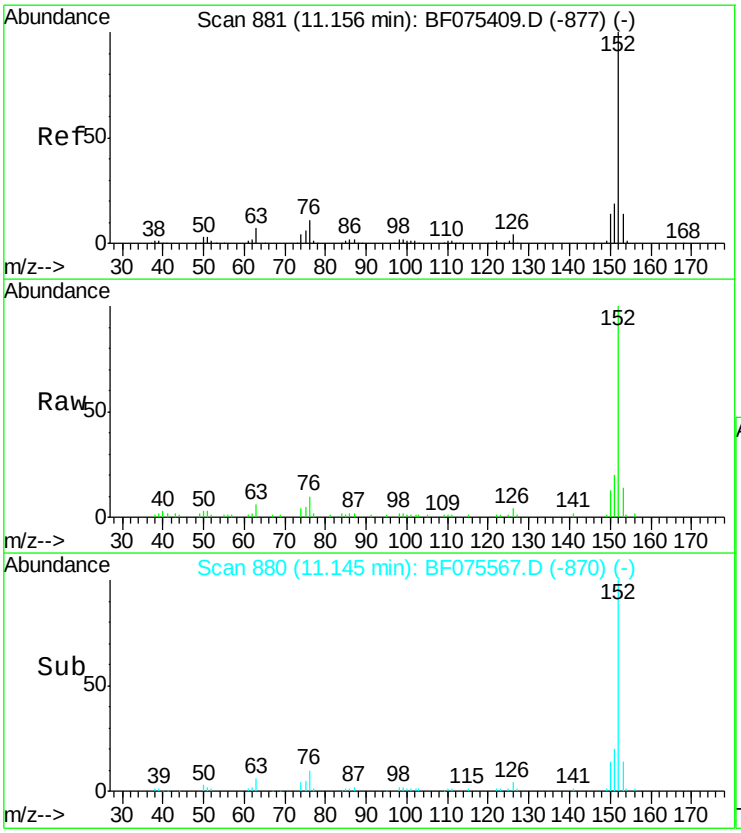
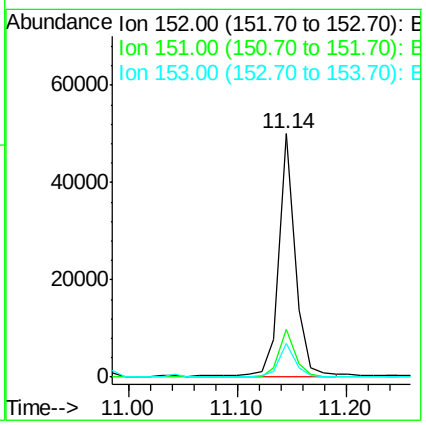
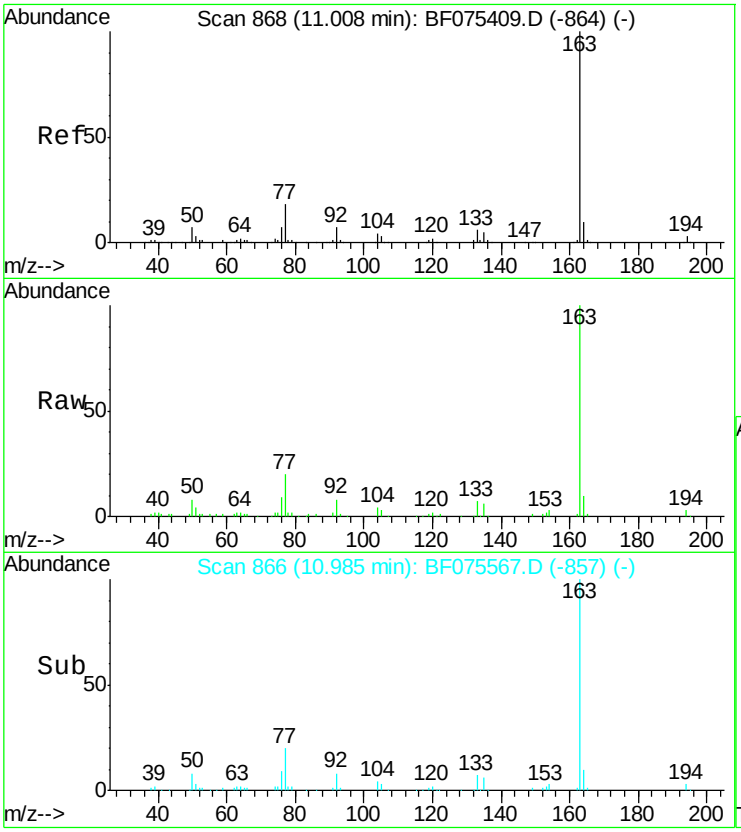


#48
Acenaphthylene
Concen: 4.87 ng
RT: 11.14 min Scan# 880
Delta R.T. 0.01 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:152 Resp: 53649

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.4	23.2
153	13.8	10.0	15.0

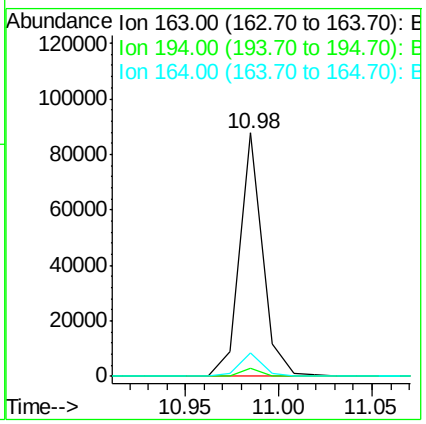




#49
Dimethylphthalate
Concen: 8.70 ng
RT: 10.98 min Scan# 866
Delta R.T. -0.00 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:163 Resp: 75306

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	9.7	8.0	12.0



Instrument :
BNA_F
ClientSampleId :
SB-3(3-4)

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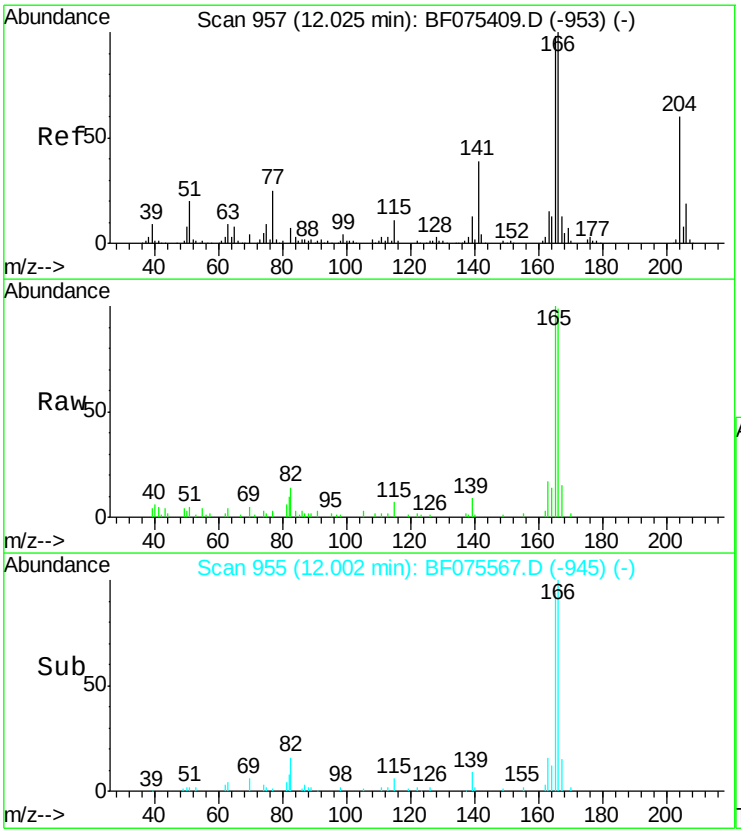
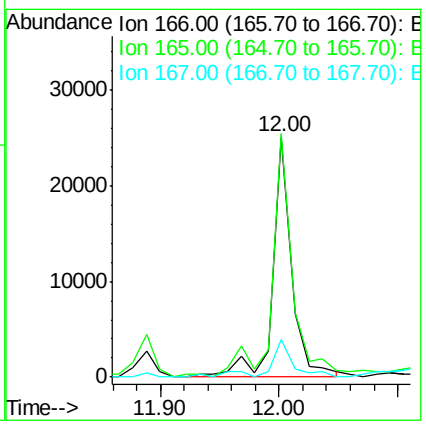
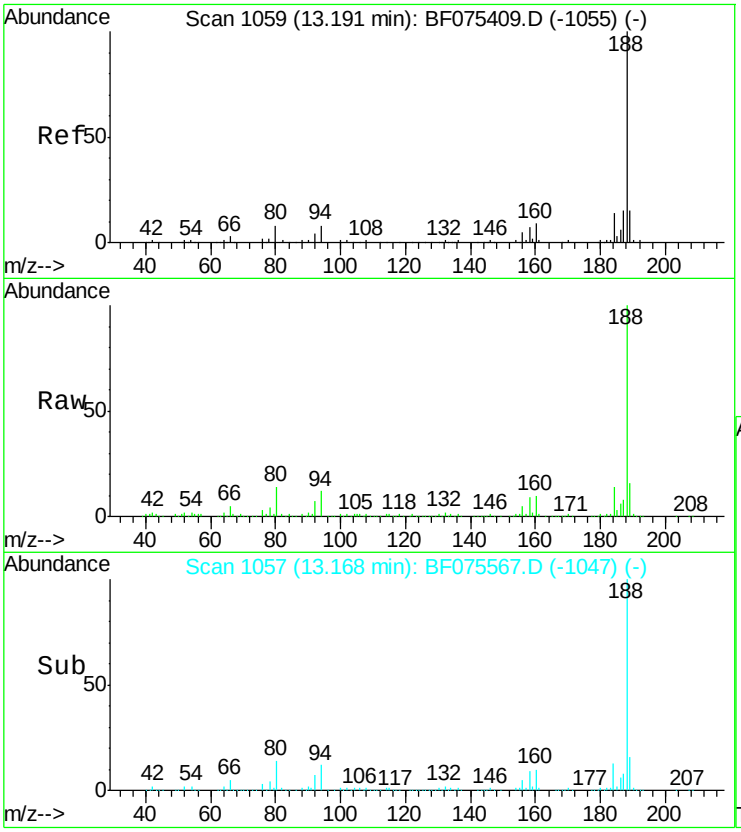


#57
Fluorene
Concen: 3.67 ng
RT: 12.00 min Scan# 955
Delta R.T. 0.01 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:166 Resp: 28188

Ion	Ratio	Lower	Upper
166	100		
165	101.3	78.8	118.2
167	15.4	10.6	15.8





#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 13.17 min Scan# 1057
Delta R.T. 0.01 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:188 Resp: 210687

Ion	Ratio	Lower	Upper
188	100		
94	12.4	7.8	11.6#
80	13.9	8.0	12.0#

Instrument :
BNA_F
ClientSampleId :
SB-3(3-4)

Manual Integrations APPROVED
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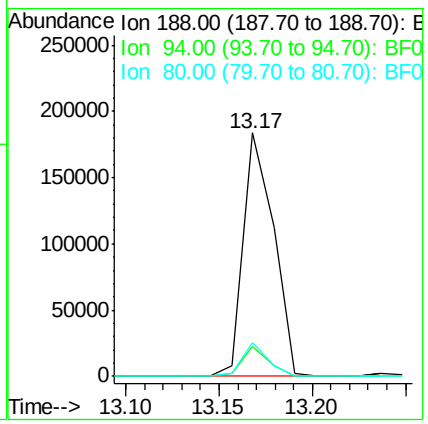
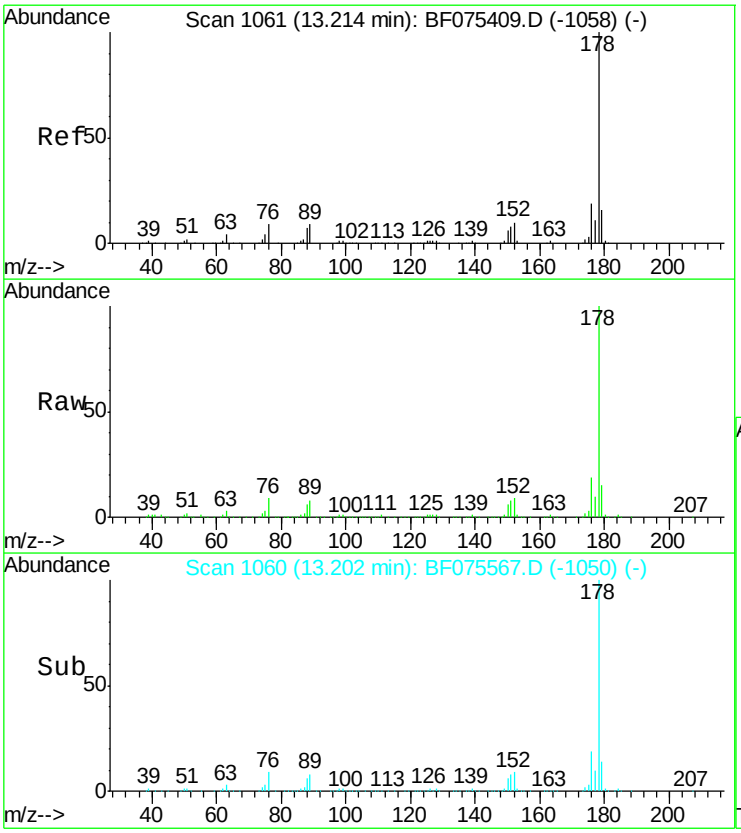
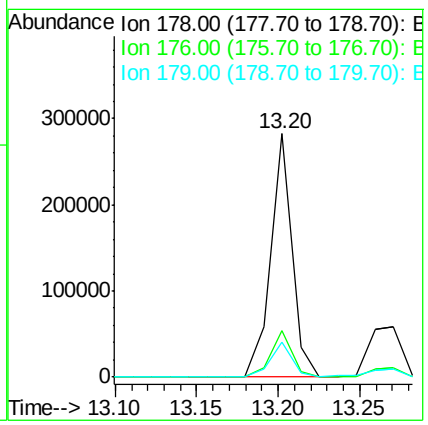


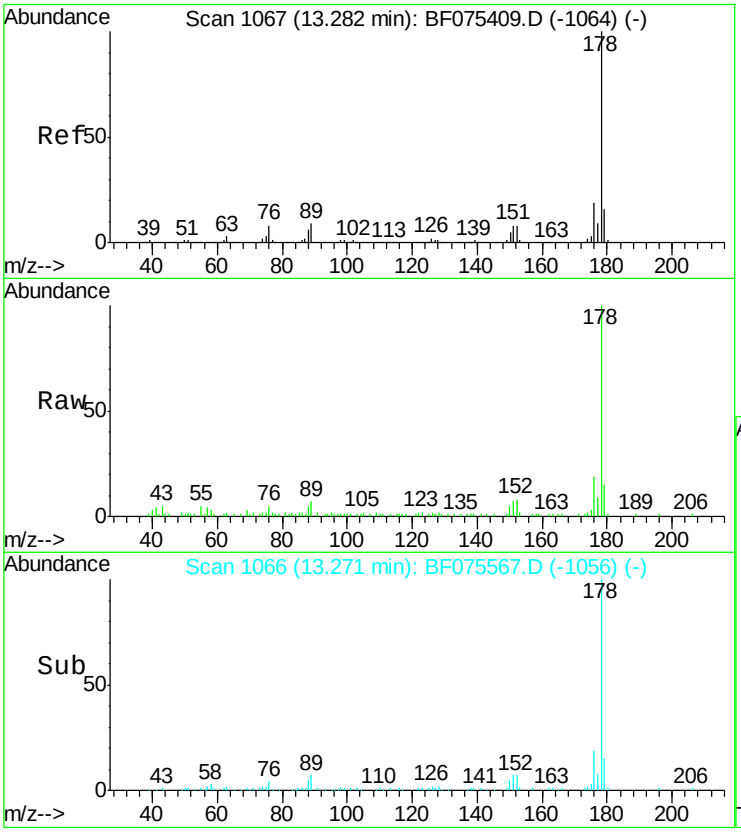


#70
Phenanthrene
Concen: 23.45 ng
RT: 13.20 min Scan# 1060
Delta R.T. 0.01 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:178 Resp: 260071

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	14.6	12.2	18.4

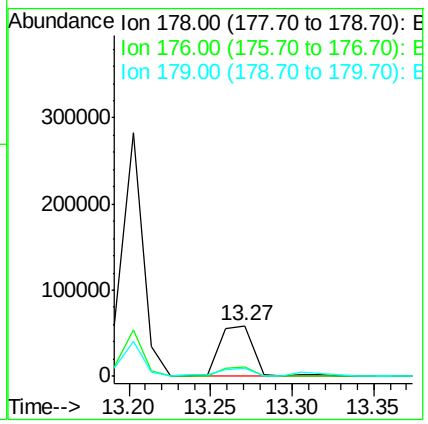




#71
Anthracene
Concen: 7.07 ng
RT: 13.27 min Scan# 1066
Delta R.T. 0.01 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:178 Resp: 81060

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.2	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
SB-3(3-4)

Manual Integrations APPROVED
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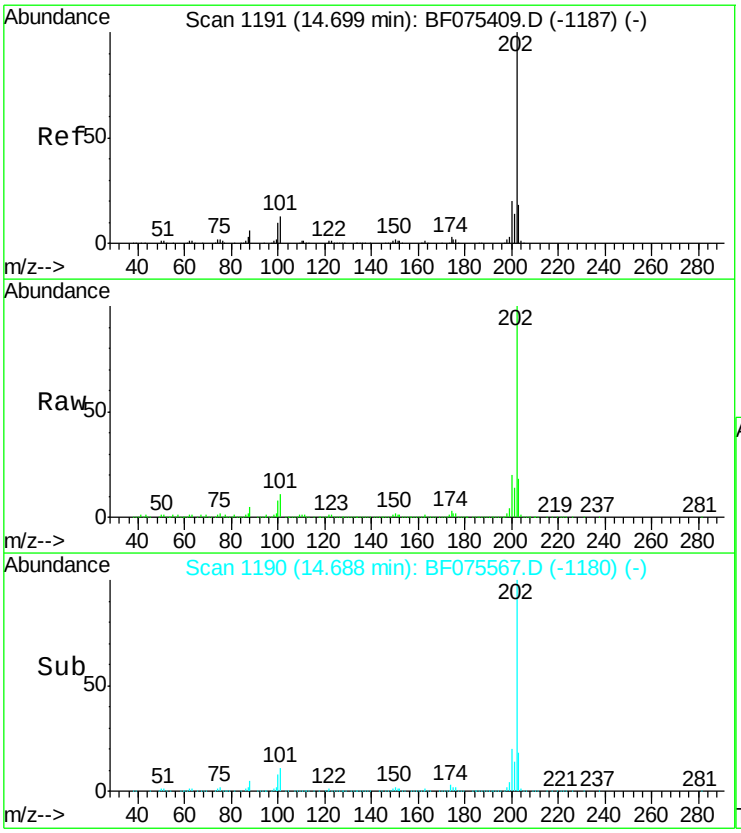
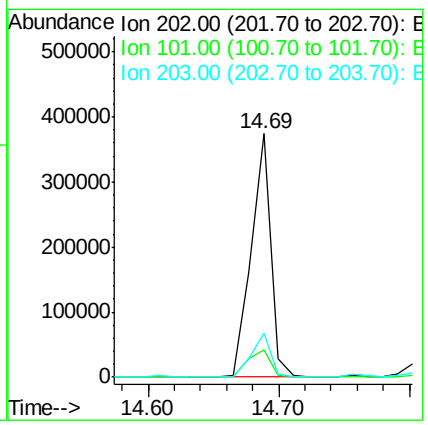
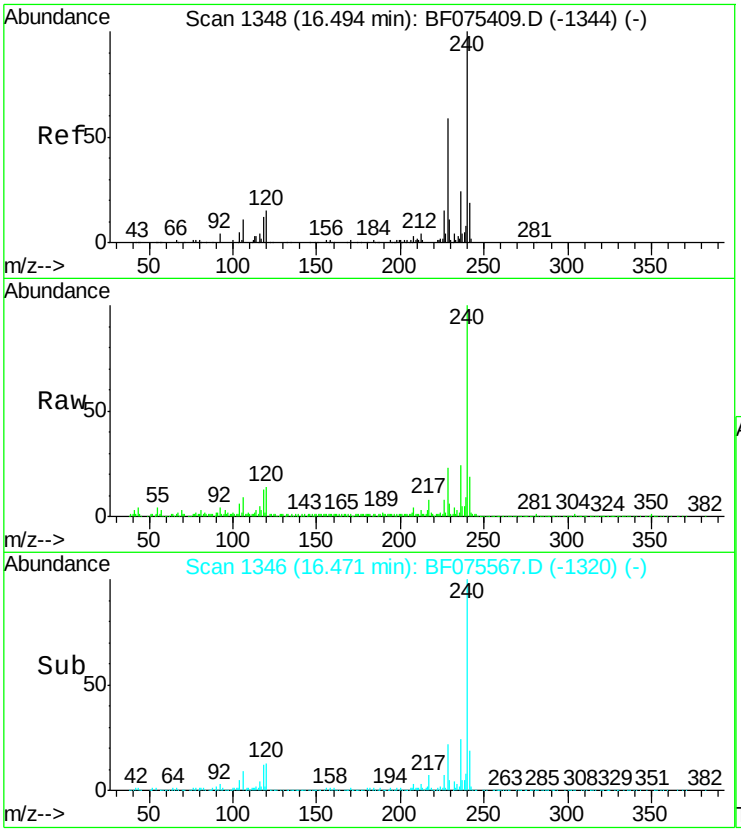


#74
Fluoranthene
Concen: 32.67 ng
RT: 14.69 min Scan# 1190
Delta R.T. 0.01 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:202 Resp: 388022

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	36.6
203	17.9	0.0	38.2

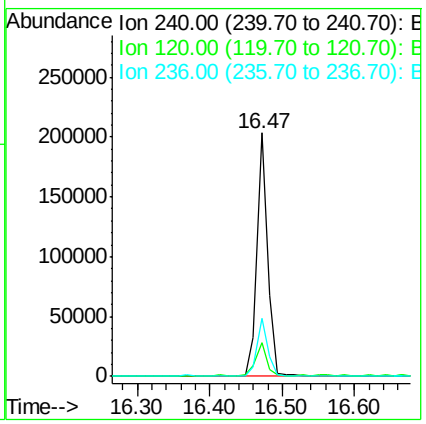




#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.47 min Scan# 1346
Delta R.T. -0.00 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:240 Resp: 211897

Ion	Ratio	Lower	Upper
240	100		
120	13.7	9.6	14.4
236	24.0	18.9	28.3



Instrument :
BNA_F
ClientSampleId :
SB-3(3-4)

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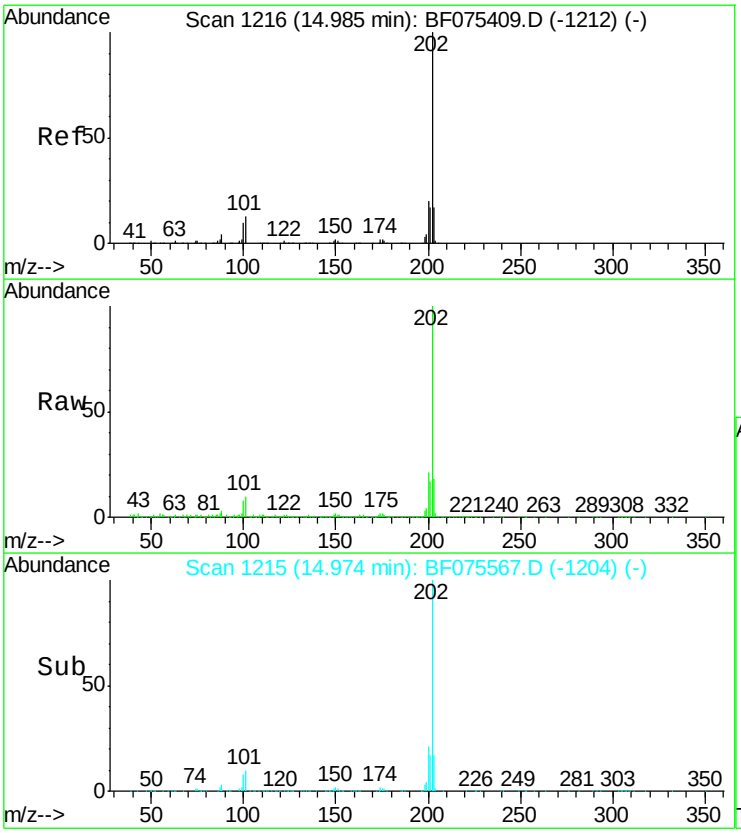
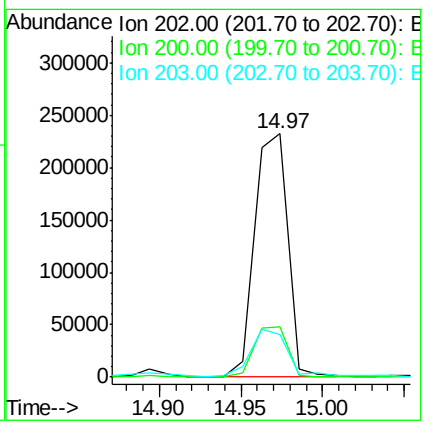
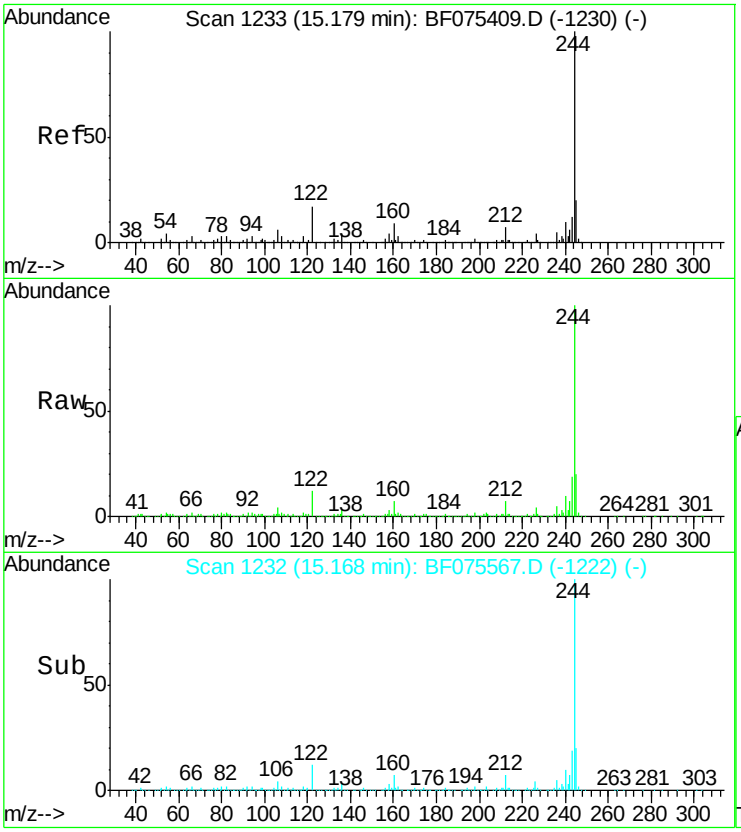


#77
Pyrene
Concen: 26.45 ng
RT: 14.97 min Scan# 1215
Delta R.T. 0.02 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:202 Resp: 325841

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.8	25.2
203	17.8	14.3	21.5

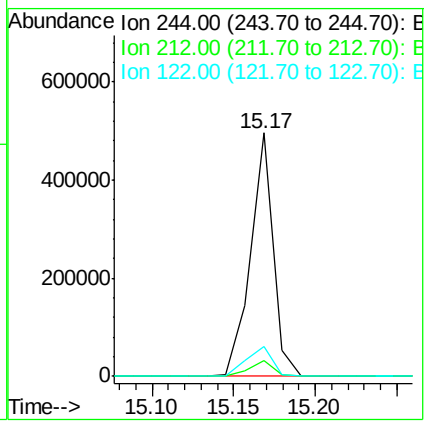




#78
Terphenyl-d14
Concen: 60.82 ng
RT: 15.17 min Scan# 1232
Delta R.T. 0.01 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:244 Resp: 478722

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.5	8.3
122	12.2	9.7	14.5



Instrument :
BNA_F
ClientSampleId :
SB-3(3-4)

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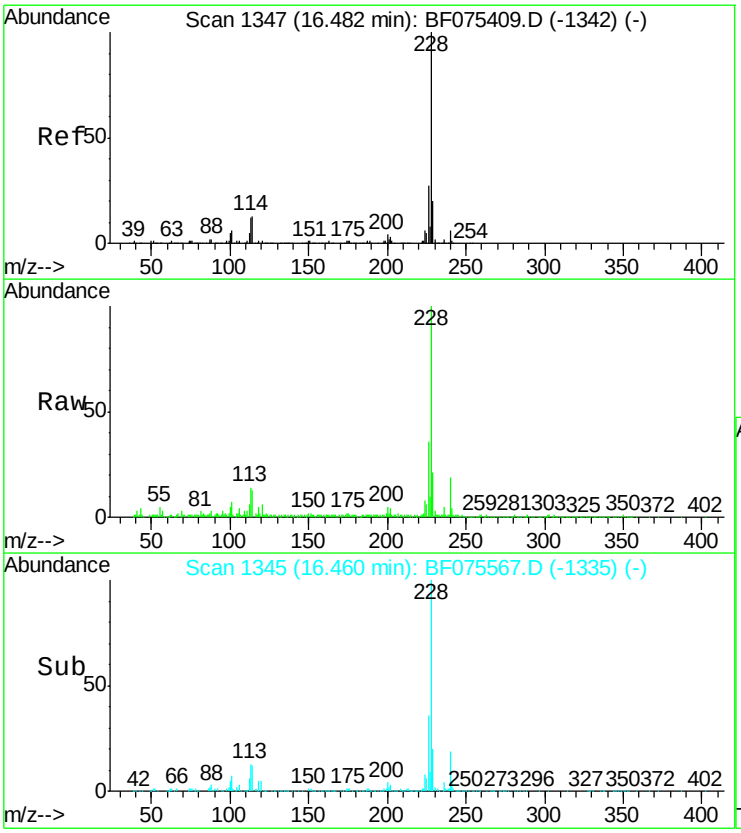
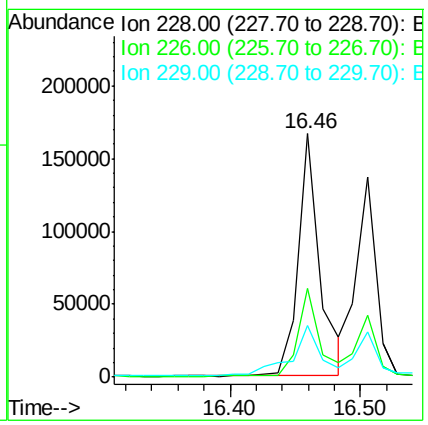
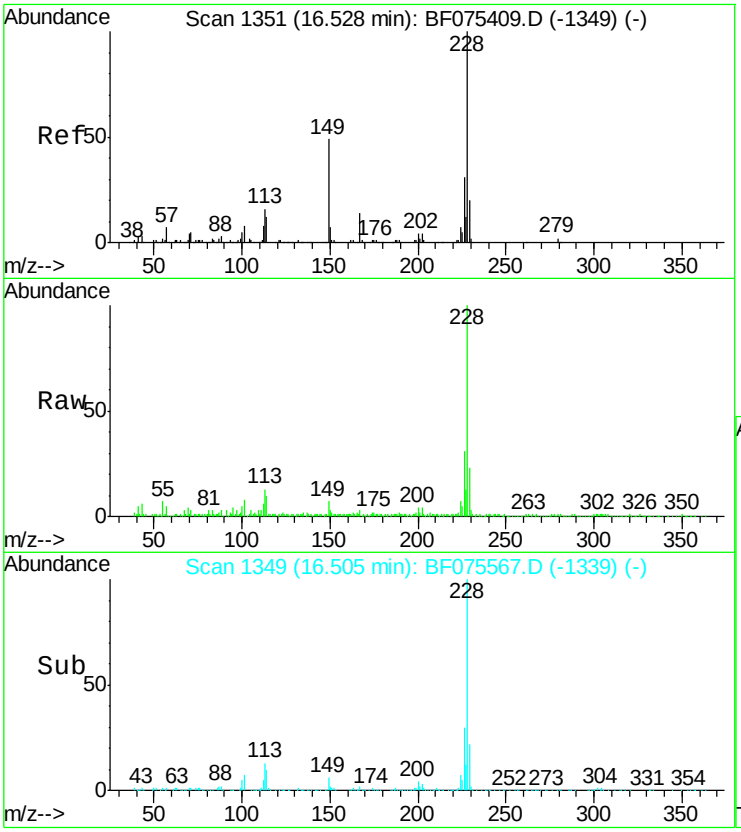


#80
Benzo(a)anthracene
Concen: 17.35 ng
RT: 16.46 min Scan# 1345
Delta R.T. 0.01 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:228 Resp: 193182

Ion	Ratio	Lower	Upper
228	100		
226	36.4	21.8	32.8#
229	21.0	15.3	22.9

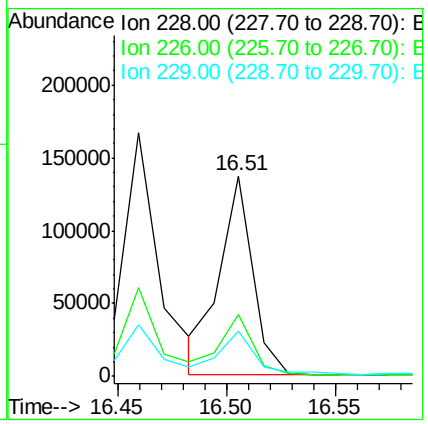




#82
Chrysene
Concen: 14.95 ng
RT: 16.51 min Scan# 1349
Delta R.T. 0.01 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:228 Resp: 143905

Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.8	35.6
229	22.8	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
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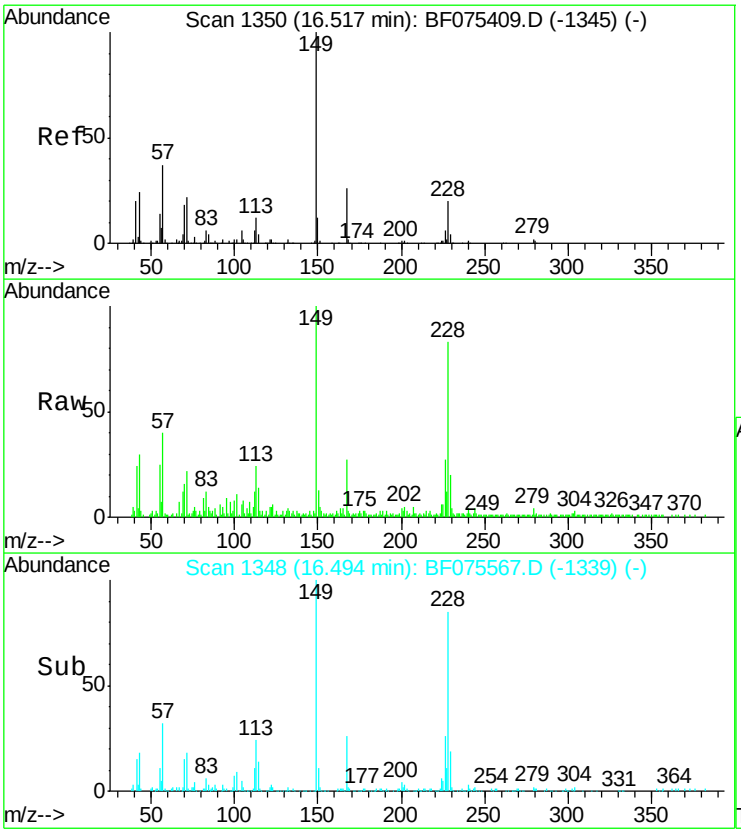
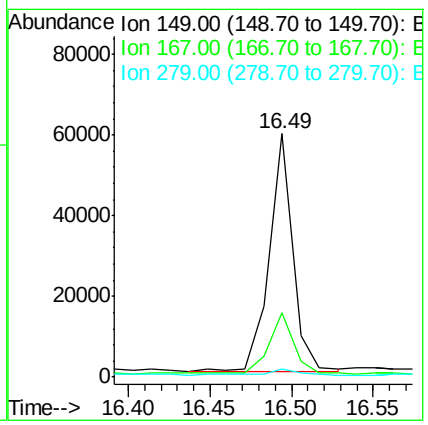
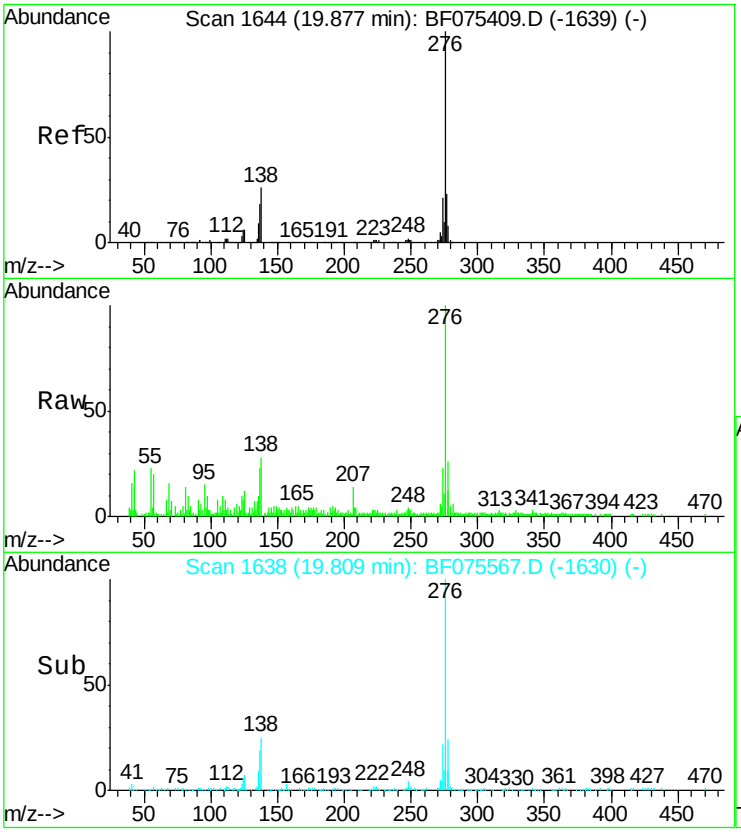


#83
Bis(2-ethylhexyl)phthalate
Concen: 5.42 ng
RT: 16.49 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:149 Resp: 59110

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.4	32.2
279	3.5	2.8	4.2

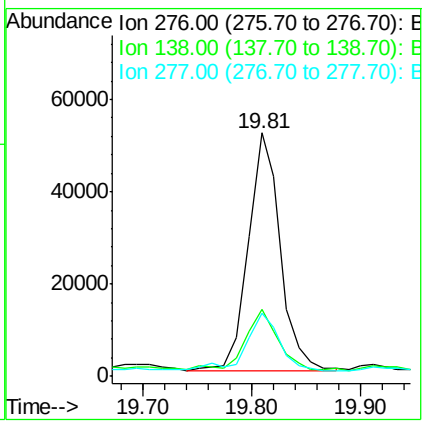




#85
Indeno(1,2,3-cd)pyrene
Concen: 9.03 ng
RT: 19.81 min Scan# 1638
Delta R.T. -0.01 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:276 Resp: 105500

Ion	Ratio	Lower	Upper
276	100		
138	25.8	0.0	0.0#
277	25.3	0.0	0.0#



Instrument :
BNA_F
ClientSampleId :
SB-3(3-4)

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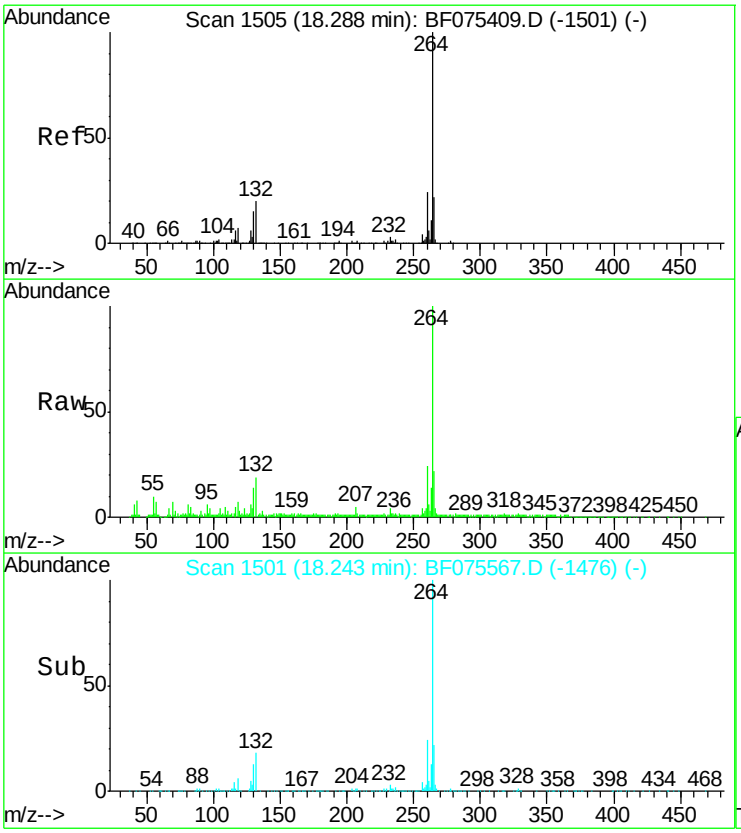
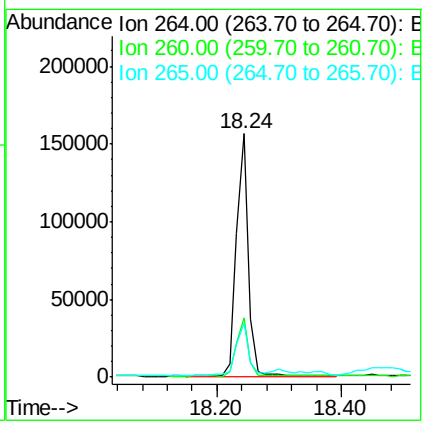
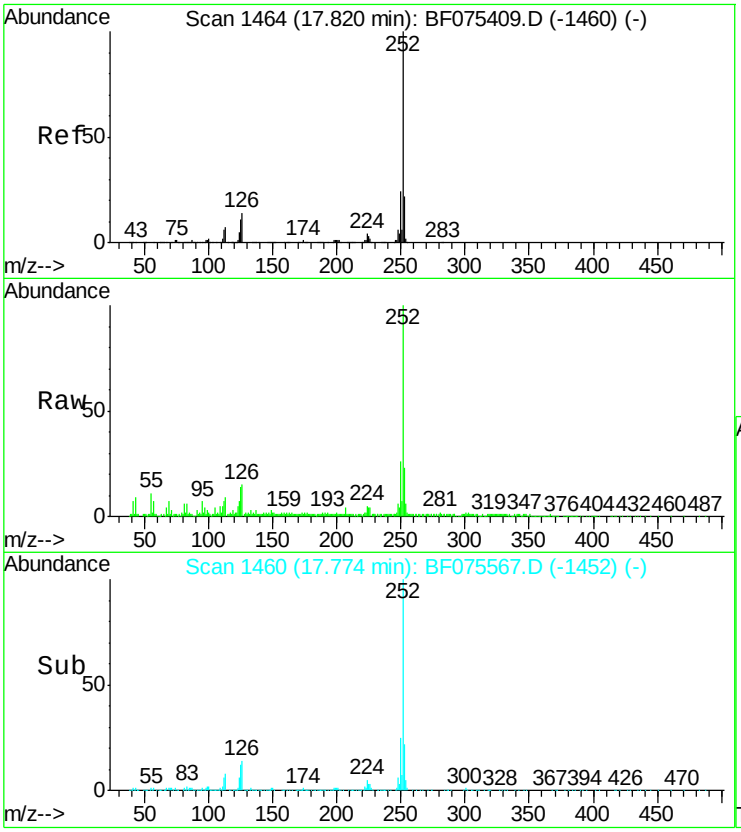


#86
Perylene-d12
Concen: 20.00 ng
RT: 18.24 min Scan# 1501
Delta R.T. -0.01 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:264 Resp: 208254

Ion	Ratio	Lower	Upper
264	100		
260	24.5	17.9	26.9
265	22.3	16.3	24.5

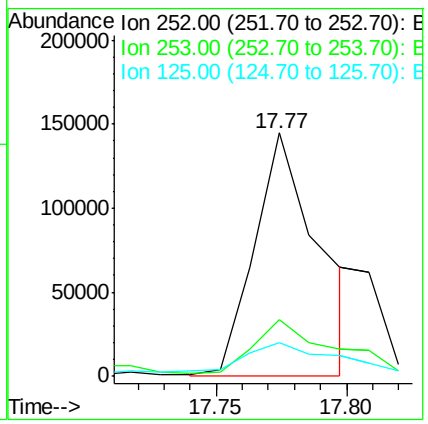




#87
Benzo(b)fluoranthene
Concen: 22.38 ng m
RT: 17.77 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:252 Resp: 249192

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	14.1	11.8	17.6



Instrument :
BNA_F
ClientSampleId :
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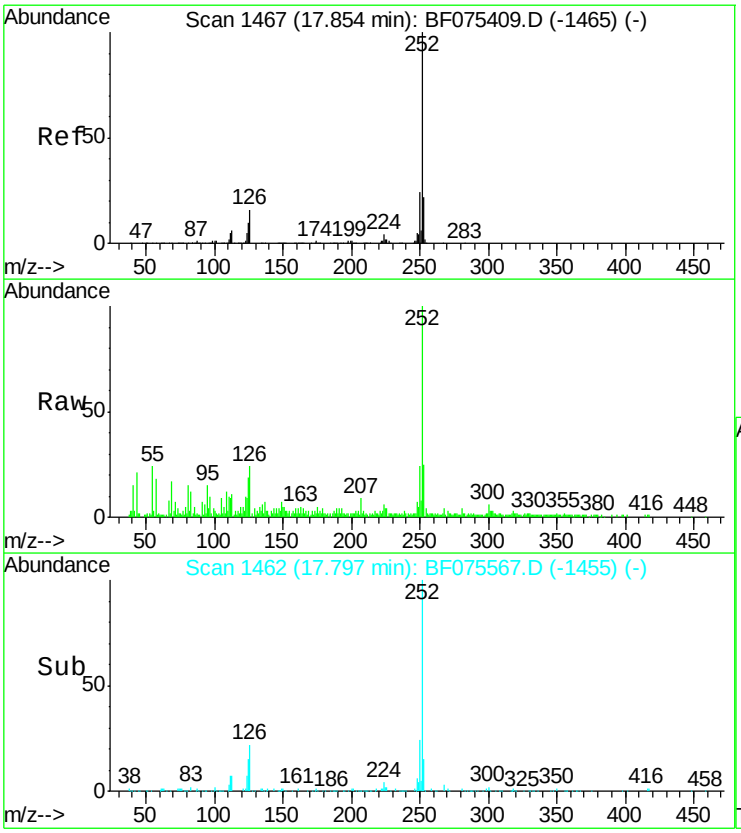
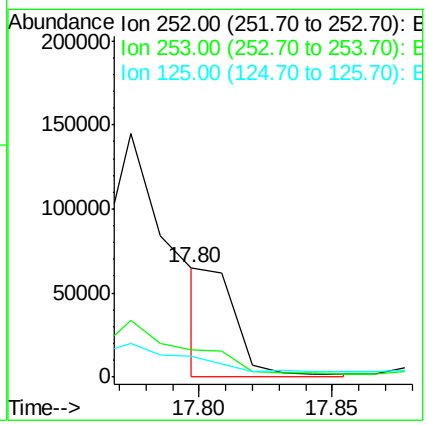
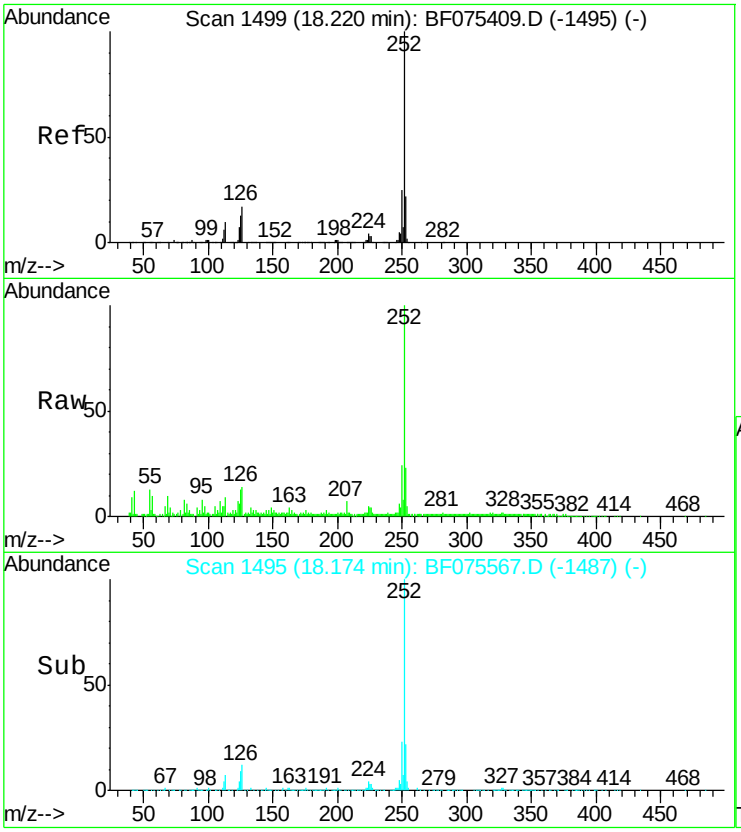


#88
Benzo(k)fluoranthene
Concen: 5.12 ng m
RT: 17.80 min Scan# 1462
Delta R.T. -0.02 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:252 Resp: 51200

Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.1	27.1
125	19.4	11.6	17.4#

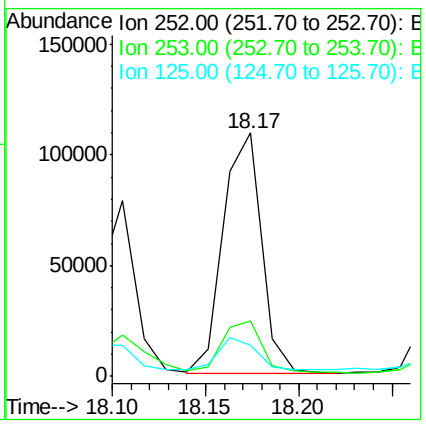




#89
Benzo(a)pyrene
Concen: 15.63 ng
RT: 18.17 min Scan# 1495
Delta R.T. -0.01 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:252 Resp: 155732

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	12.7	12.2	18.4



Instrument :
BNA_F
ClientSampleId :
SB-3(3-4)

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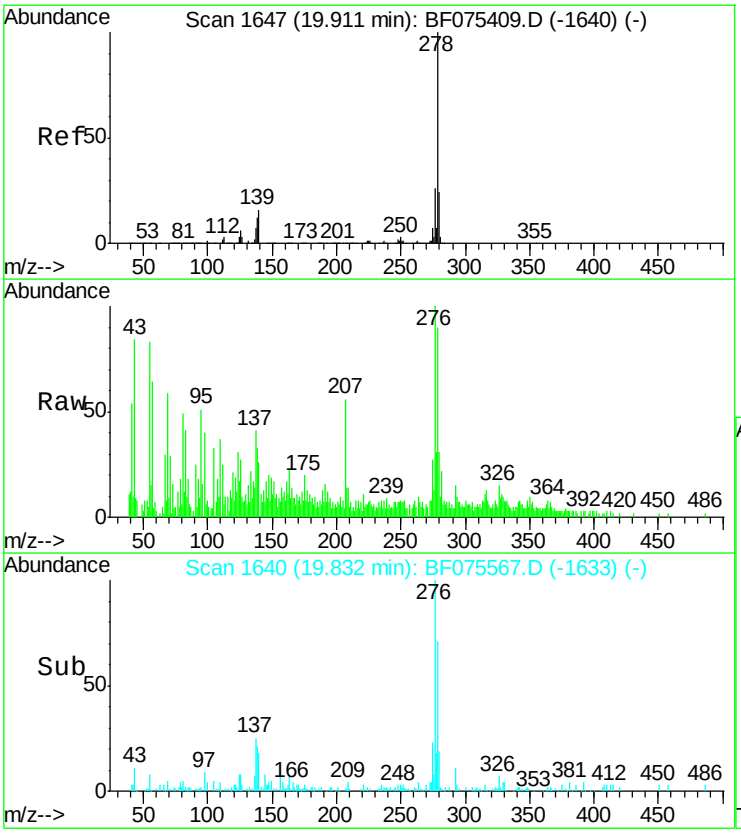
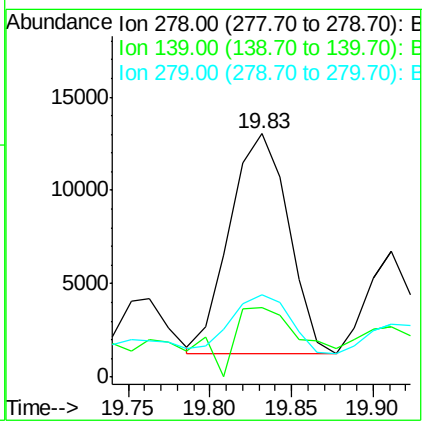
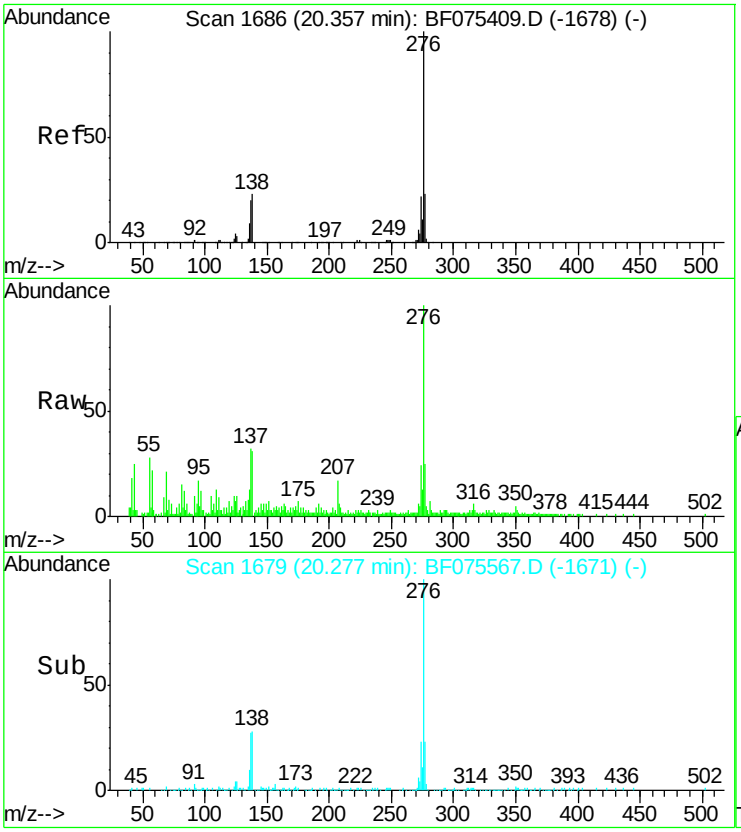


#90
Dibenzo(a,h)anthracene
Concen: 2.82 ng
RT: 19.83 min Scan# 1640
Delta R.T. -0.02 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:278 Resp: 29292

Ion	Ratio	Lower	Upper
278	100		
139	28.4	13.6	20.4#
279	33.9	19.4	29.0#

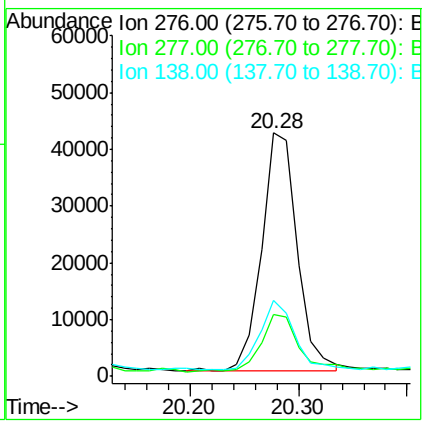




#91
Benzo(g,h,i)perylene
Concen: 9.60 ng
RT: 20.28 min Scan# 1679
Delta R.T. -0.01 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:276 Resp: 95138

Ion	Ratio	Lower	Upper
276	100		
277	25.2	17.8	26.8
138	31.3	22.8	34.2



Instrument :
BNA_F
ClientSampleId :
SB-3(3-4)

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