Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
Data File : BF078685.D
Acq On : 21 Apr 2015 15:57
Operator : TP/IZ
Sample : G1943-08DL 50X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-C-2DL

Manual Integrations APPROVED
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Quant Time: Apr 22 02:32:06 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 22 00:52:13 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.82	152	27767	20.00	ng		0.00
21) Naphthalene-d8	7.98	136	116072	20.00	ng		-0.01
38) Acenaphthene-d10	11.17	164	61141	20.00	ng		-0.01
63) Phenanthrene-d10	13.91	188	122272	20.00	ng		0.00
75) Chrysene-d12	17.77	240	130758	20.00	ng		-0.01
86) Perylene-d12	19.53	264	133422	20.00	ng		0.05
System Monitoring Compounds							
5) 2-Fluorophenol	3.85	112	2031	1.21	ng		0.02
7) Phenol-d6	5.34	99	2649	1.26	ng		0.01
23) Nitrobenzene-d5	6.76	82	1637	0.85	ng		0.00
41) 2,4,6-Tribromophenol	12.64	330	641	1.26	ng		-0.01
44) 2-Fluorobiphenyl	9.99	172	4267	1.00	ng		-0.01
78) Terphenyl-d14	16.43	244	5319	0.92	ng		0.00
Target Compounds							Qvalue
51) Acenaphthene	11.22	154	9511	2.66	ng		98
57) Fluorene	12.18	166	14256	3.22	ng		100
70) Phenanthrene	13.94	178	190688	26.96	ng		99
71) Anthracene	14.03	178	53328	7.65	ng		99
74) Fluoranthene	15.84	202	265836	35.64	ng		92
77) Pyrene	16.15	202	214594	26.14	ng	#	94
80) Benzo(a)anthracene	17.76	228	100758	12.95	ng		98
82) Chrysene	17.81	228	81271	11.12	ng		97
85) Indeno(1,2,3-cd)pyrene	20.73	276	46802m	5.64	ng		
87) Benzo(b)fluoranthene	19.09	252	112289m	13.62	ng		
88) Benzo(k)fluoranthene	19.12	252	26622m	3.63	ng		
89) Benzo(a)pyrene	19.46	252	74732	10.38	ng		98
91) Benzo(g,h,i)perylene	21.05	276	43981	6.09	ng		98

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
Data File : BF078685.D
Acq On : 21 Apr 2015 15:57
Operator : TP/IZ
Sample : G1943-08DL 50X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 22 02:32:06 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 22 00:52:13 2015
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SP-C-2DL

Manual Integrations APPROVED
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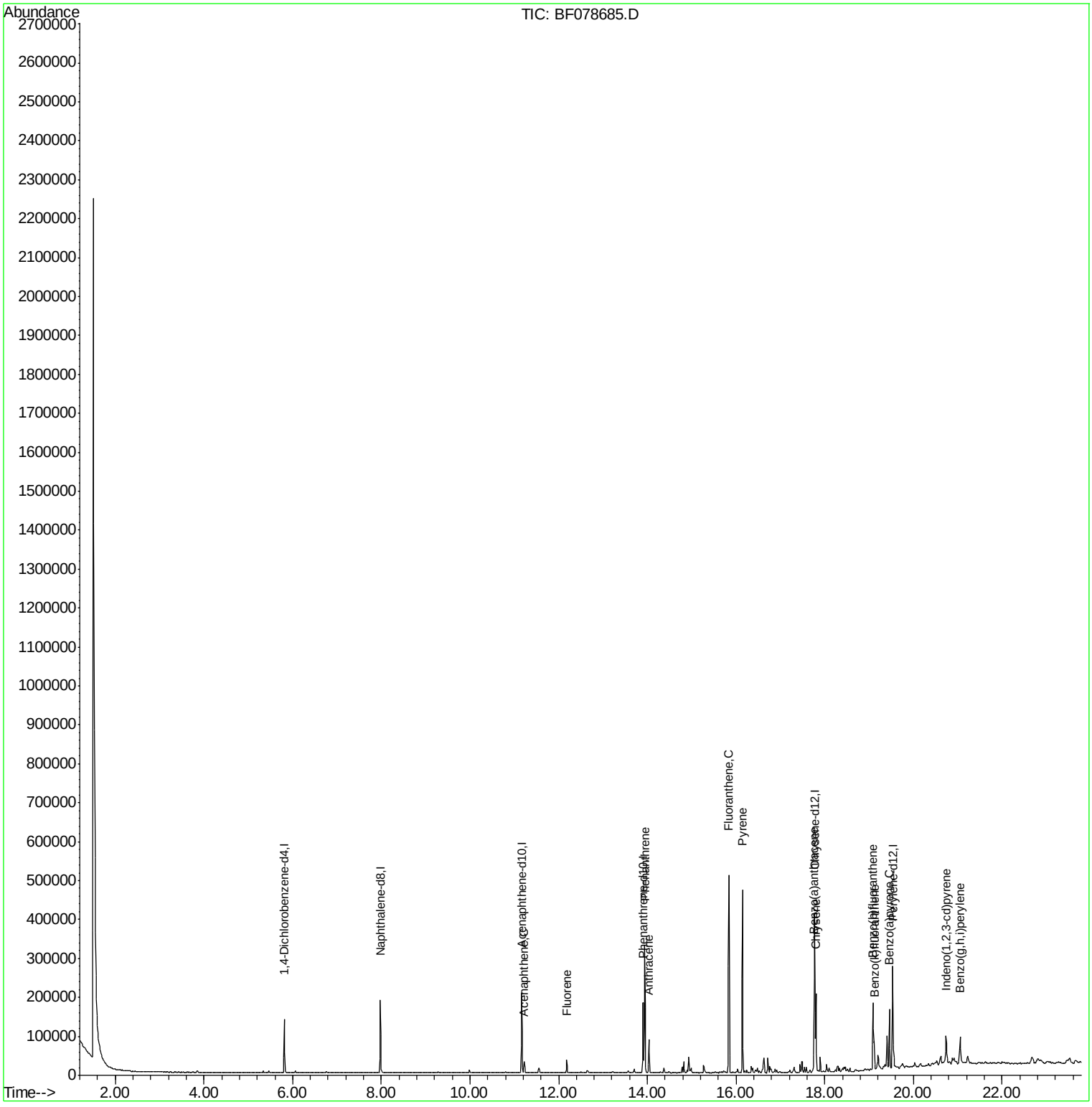
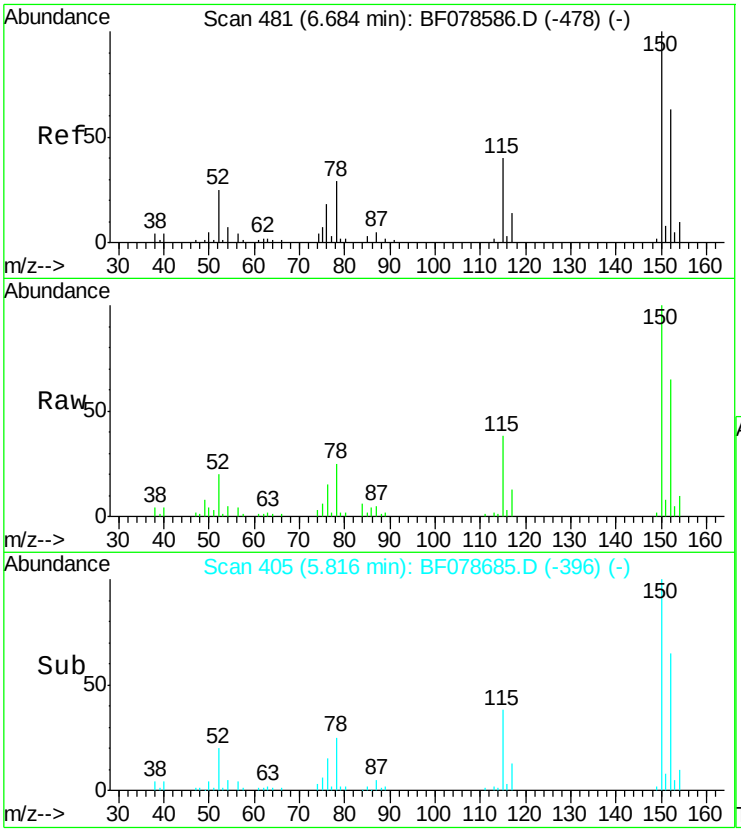
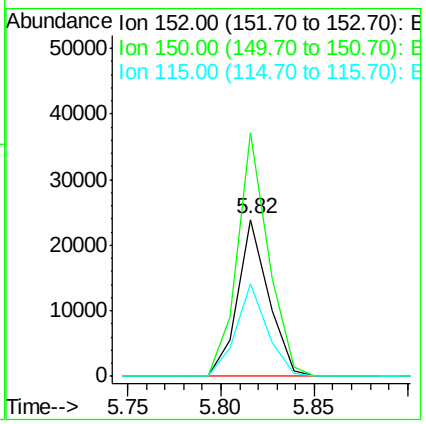




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.82 min Scan# 405
Delta R.T. 0.00 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Tgt Ion:152 Resp: 27767

Ion	Ratio	Lower	Upper
152	100		
150	154.9	125.9	188.9
115	58.6	52.7	79.1



Instrument :
BNA_F
ClientSampleId :
SP-C-2DL

Manual Integrations APPROVED
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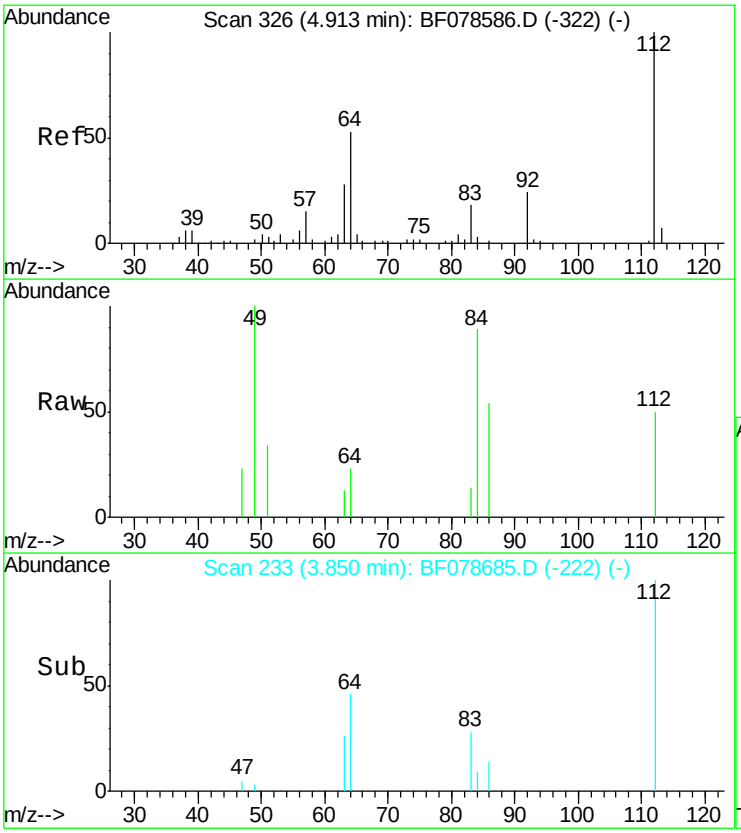
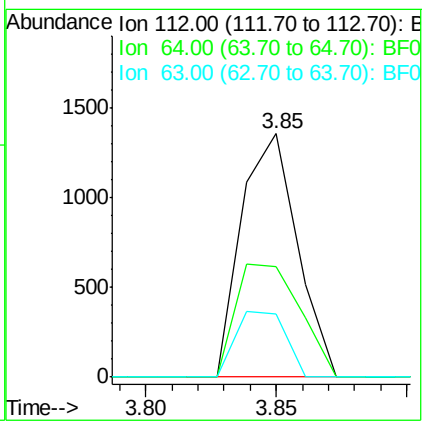
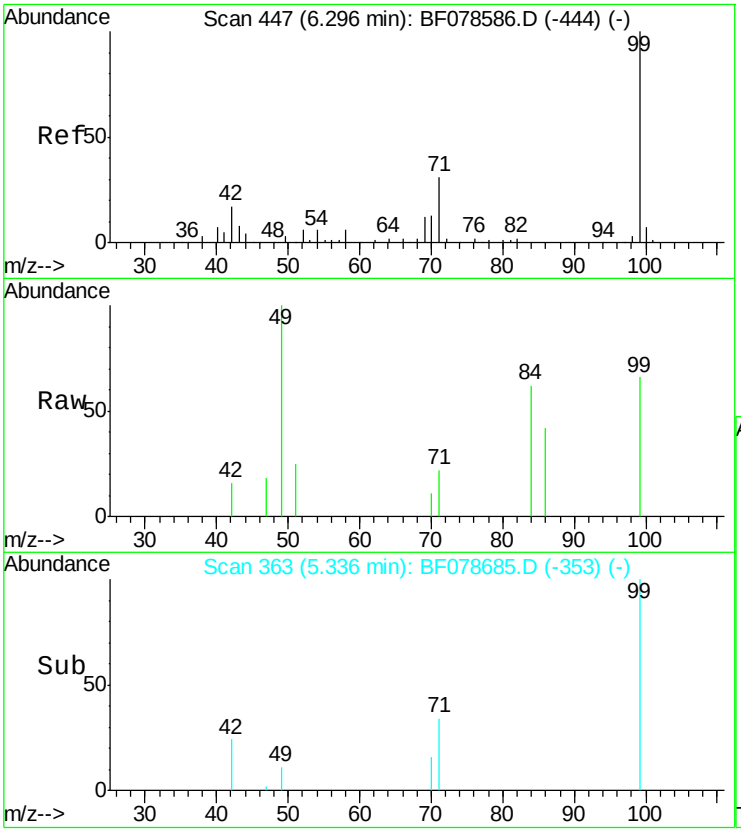


#5
2-Fluorophenol
Concen: 1.21 ng
RT: 3.85 min Scan# 233
Delta R.T. 0.02 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Tgt Ion:112 Resp: 2031

Ion	Ratio	Lower	Upper
112	100		
64	45.6	39.9	59.9
63	26.1	20.2	30.4

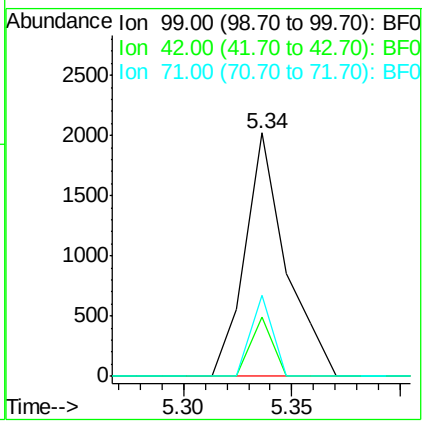




#7
Phenol-d6
Concen: 1.26 ng
RT: 5.34 min Scan# 363
Delta R.T. 0.01 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Tgt Ion: 99 Resp: 2649

Ion	Ratio	Lower	Upper
99	100		
42	24.5	14.8	22.2#
71	33.5	26.6	39.8



Instrument :
BNA_F
ClientSampleId :
SP-C-2DL

Manual Integrations APPROVED
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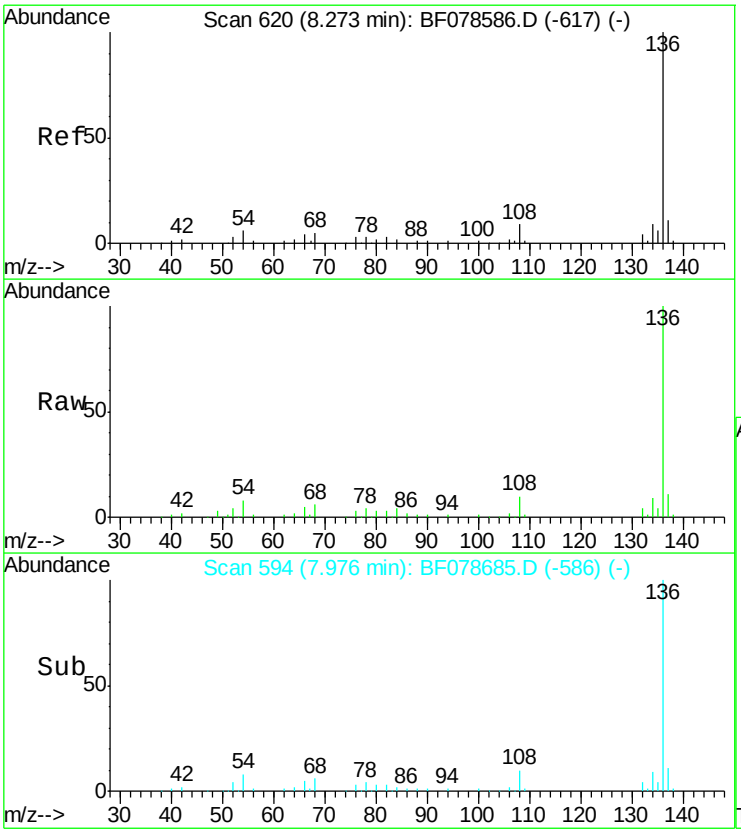
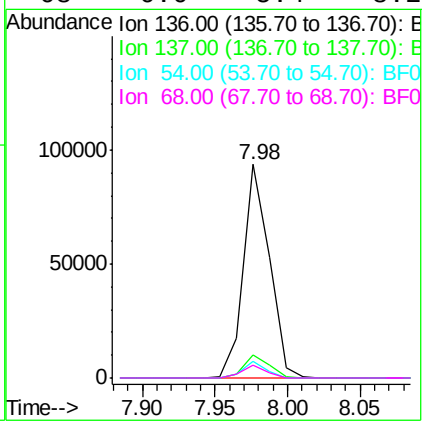
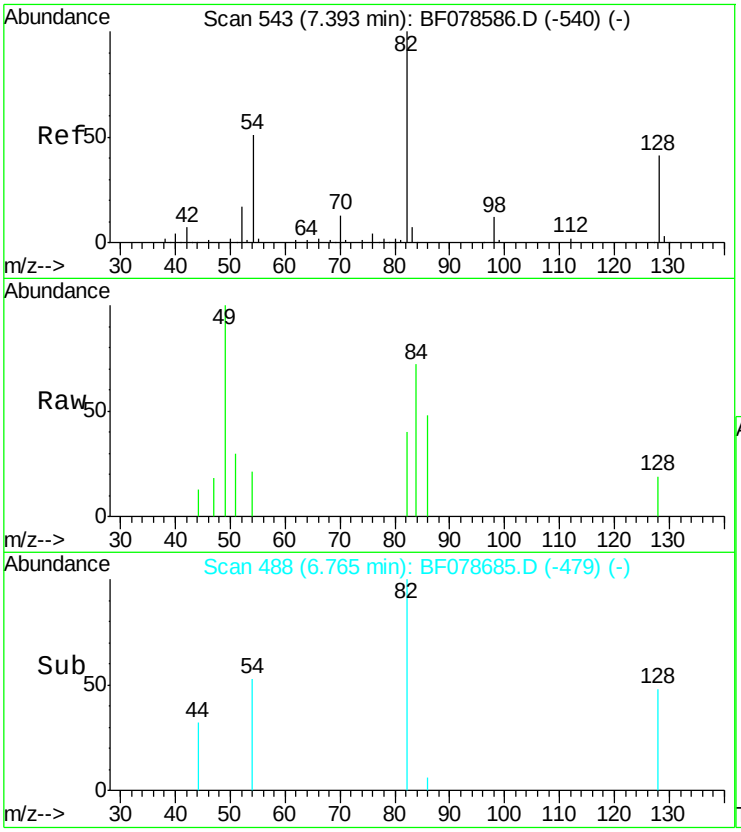


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 594
Delta R.T. -0.01 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Tgt Ion:136 Resp: 116072

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	7.9	7.0	10.6
68	6.0	5.4	8.2

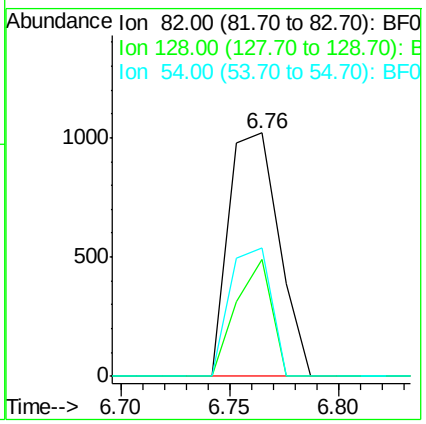




#23
Nitrobenzene-d5
Concen: 0.85 ng
RT: 6.76 min Scan# 488
Delta R.T. 0.00 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Tgt Ion: 82 Resp: 1637

Ion	Ratio	Lower	Upper
82	100		
128	47.9	31.8	47.8#
54	52.8	41.5	62.3



Instrument :
BNA_F
ClientSampleId :
SP-C-2DL

Manual Integrations APPROVED
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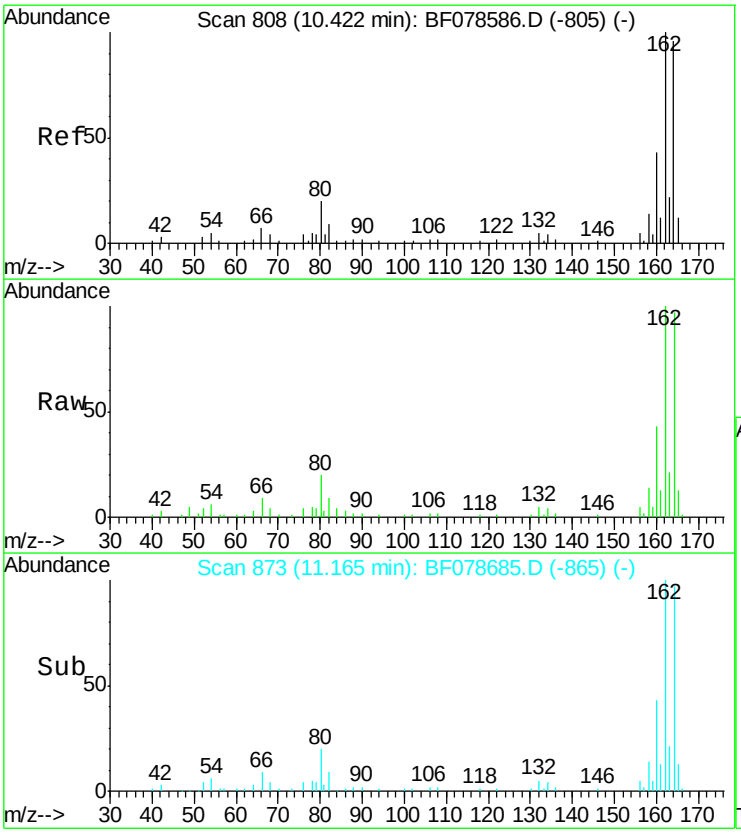
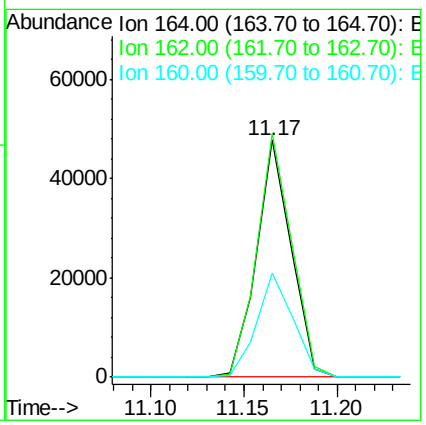
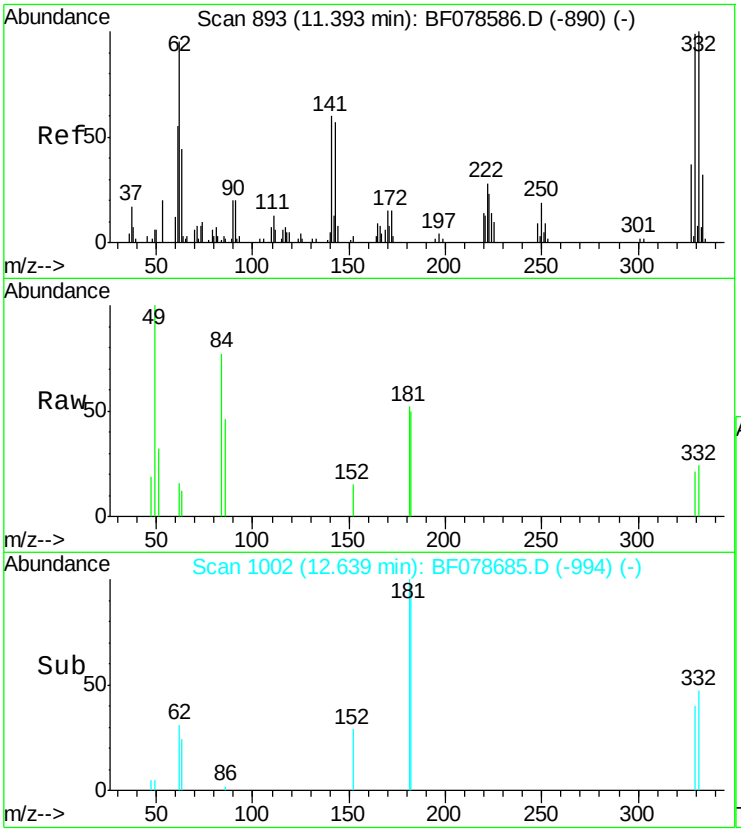


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.17 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Tgt Ion:164 Resp: 61141

Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.2	123.2
160	44.1	34.7	52.1





#41
2,4,6-Tribromophenol
Concen: 1.26 ng
RT: 12.64 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Tgt Ion:330 Resp: 641

Ion	Ratio	Lower	Upper
330	100		
332	106.9	78.6	117.8
141	0.0	31.2	46.8#

Instrument :
BNA_F
ClientSampleId :
SP-C-2DL

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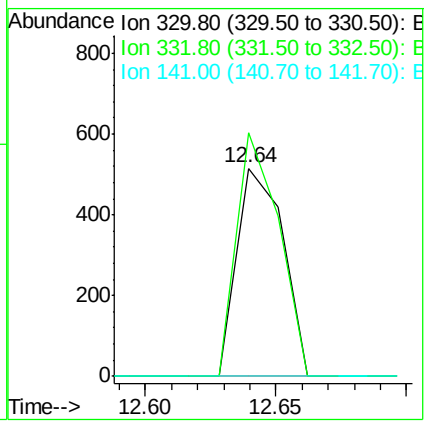
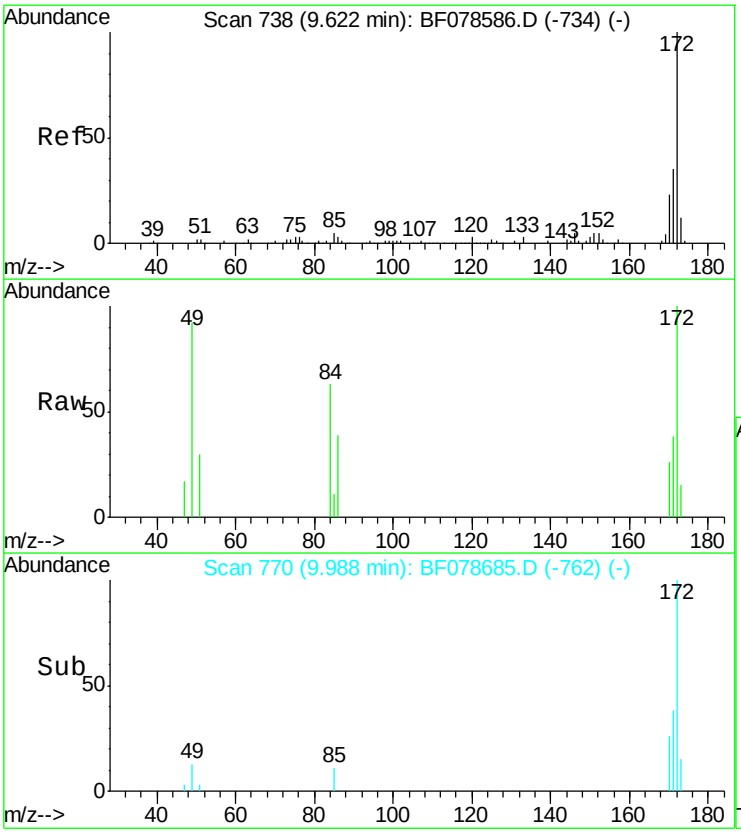
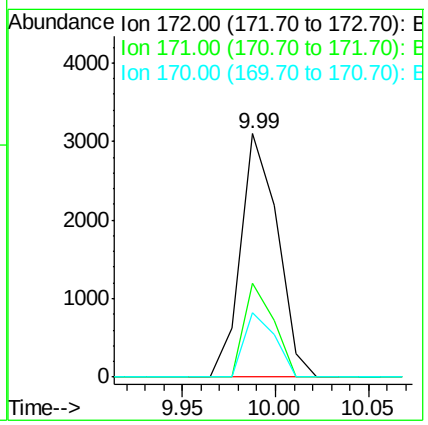


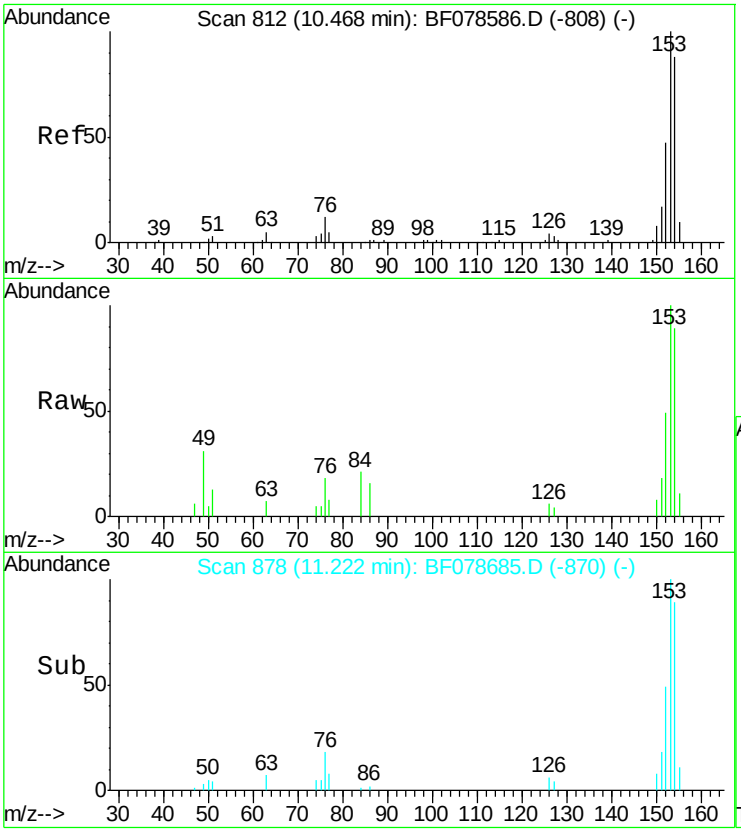


#44
2-Fluorobiphenyl
Concen: 1.00 ng
RT: 9.99 min Scan# 770
Delta R.T. -0.01 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Tgt Ion:172 Resp: 4267

Ion	Ratio	Lower	Upper
172	100		
171	38.3	28.6	42.8
170	26.4	18.5	27.7

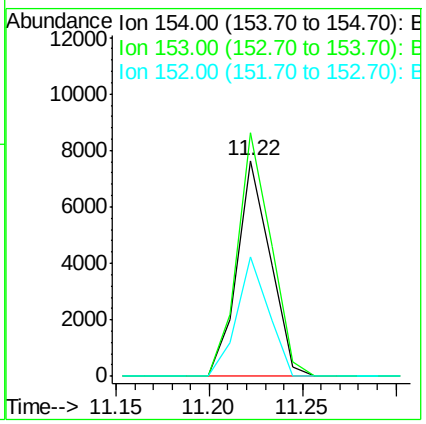




#51
Acenaphthene
Concen: 2.66 ng
RT: 11.22 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Tgt Ion:154 Resp: 9511

Ion	Ratio	Lower	Upper
154	100		
153	112.8	91.4	137.2
152	55.2	43.0	64.6



Instrument :
BNA_F
ClientSampleId :
SP-C-2DL

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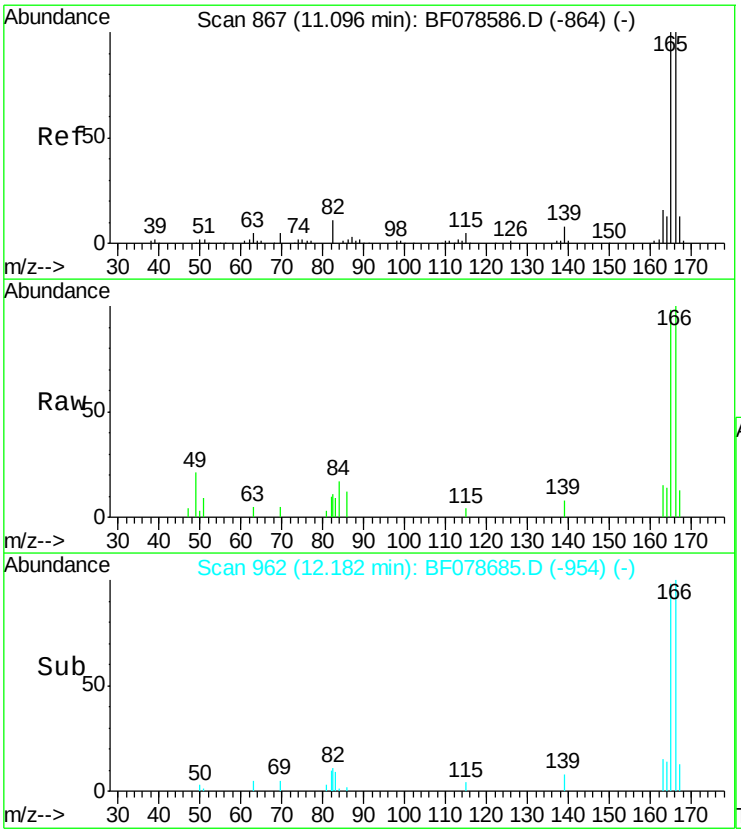
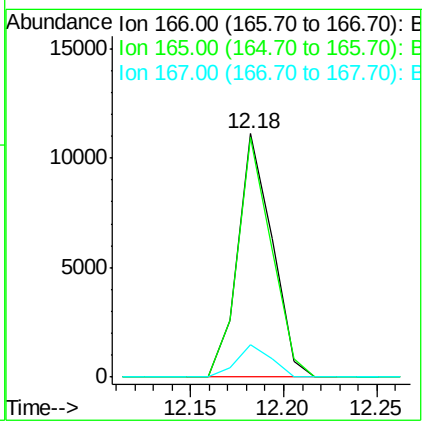
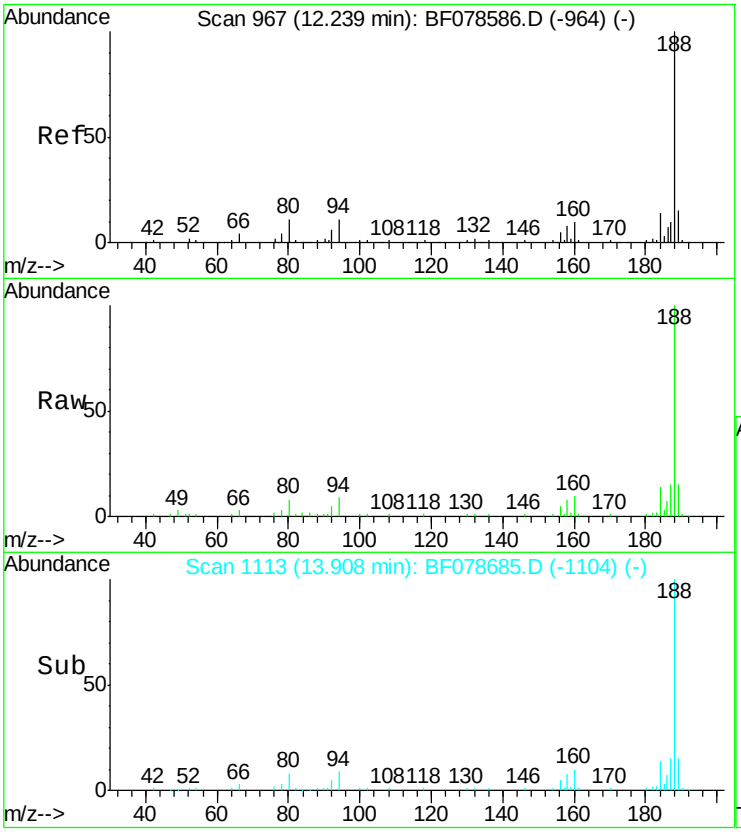


#57
Fluorene
Concen: 3.22 ng
RT: 12.18 min Scan# 962
Delta R.T. -0.01 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Tgt Ion:166 Resp: 14256

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.9	118.3
167	13.4	10.7	16.1





#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 13.91 min Scan# 1113
Delta R.T. 0.00 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Tgt Ion:188 Resp: 122272

Ion	Ratio	Lower	Upper
188	100		
94	8.7	9.0	13.4#
80	7.9	9.5	14.3#

Instrument :
BNA_F
ClientSampleId :
SP-C-2DL

Manual Integrations APPROVED
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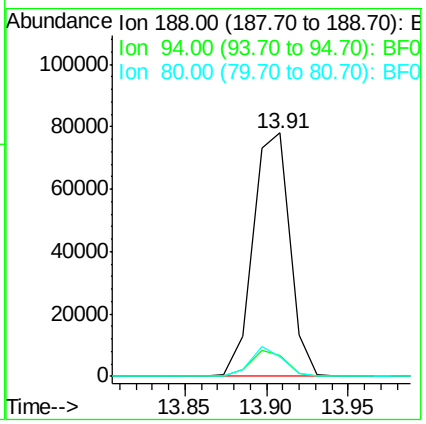
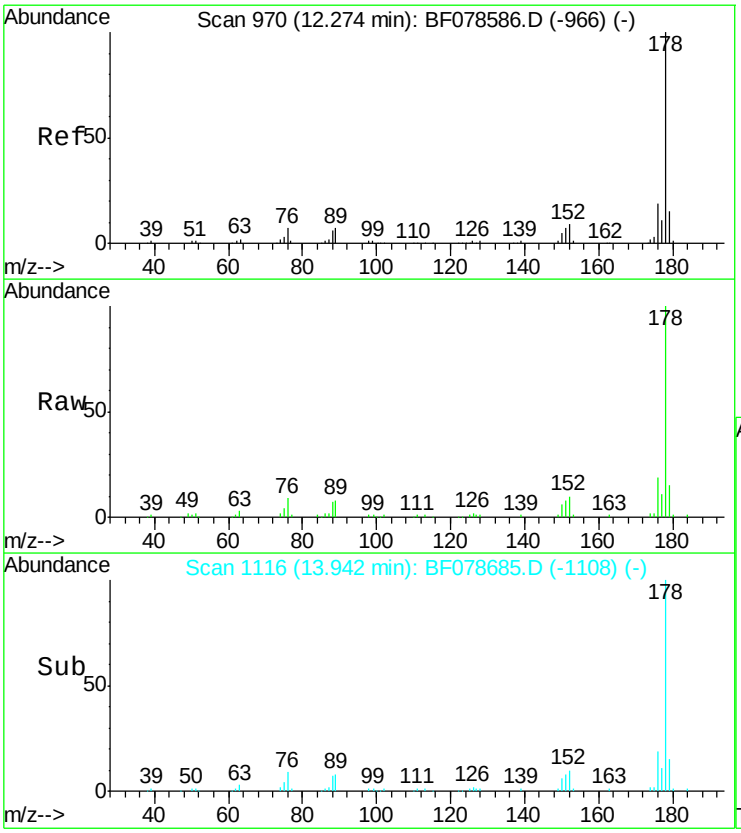
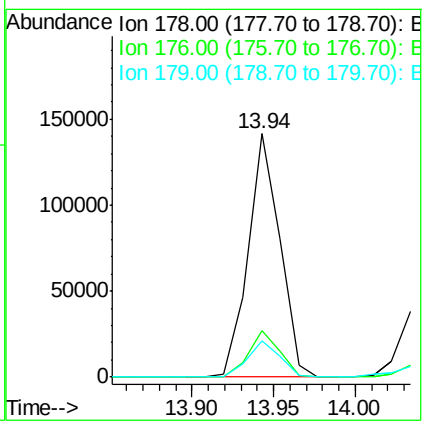


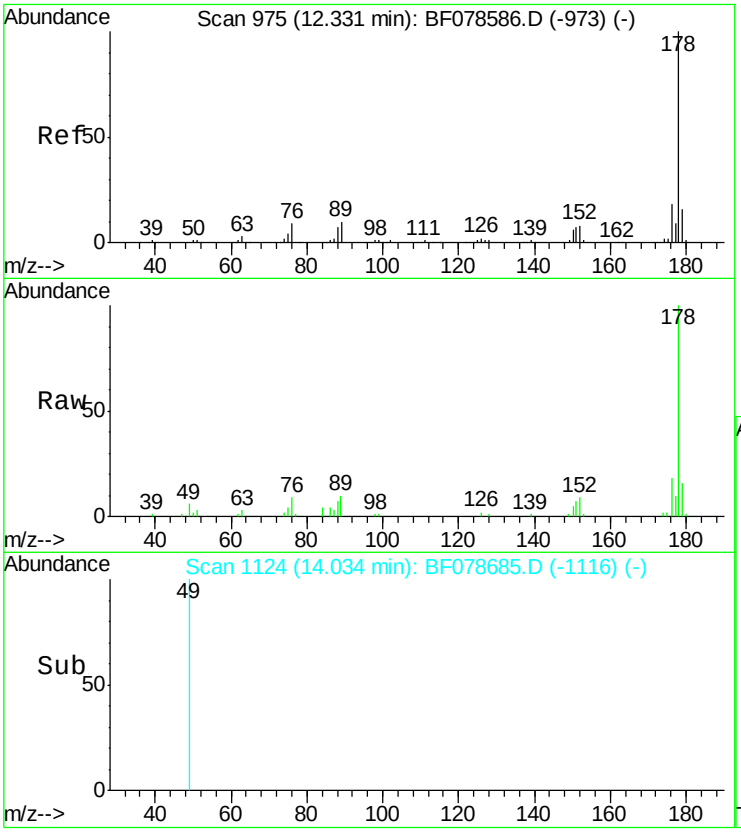


#70
Phenanthrene
Concen: 26.96 ng
RT: 13.94 min Scan# 1116
Delta R.T. -0.01 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Tgt Ion:178 Resp: 190688

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	14.8	12.2	18.2

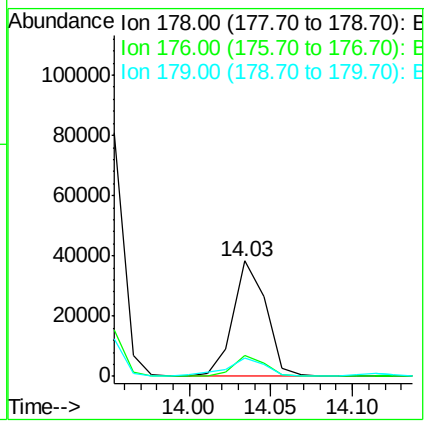




#71
Anthracene
Concen: 7.65 ng
RT: 14.03 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Tgt Ion:178 Resp: 53328

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.8	22.2
179	16.2	12.4	18.6



Instrument :
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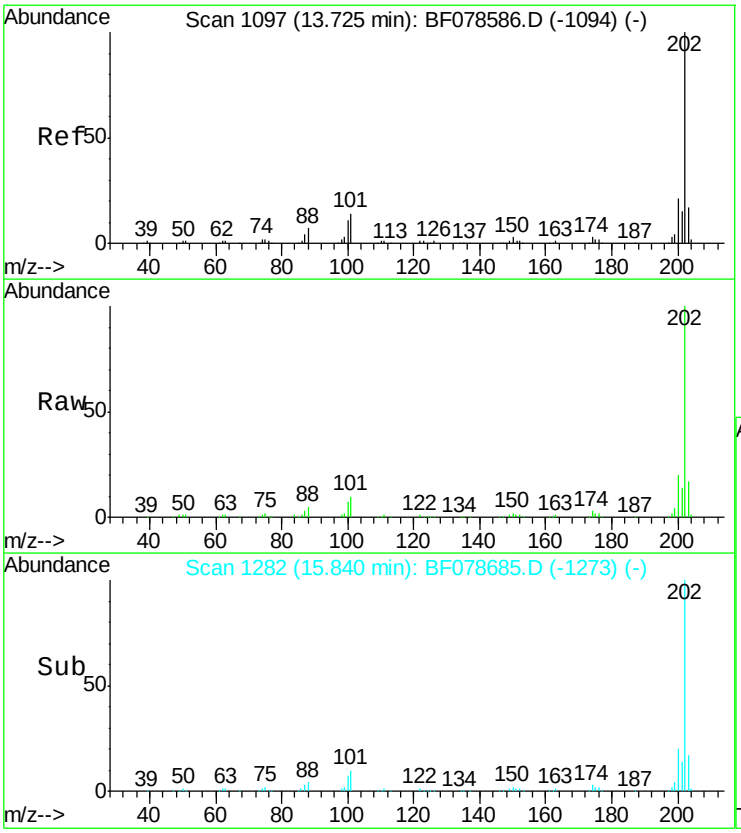
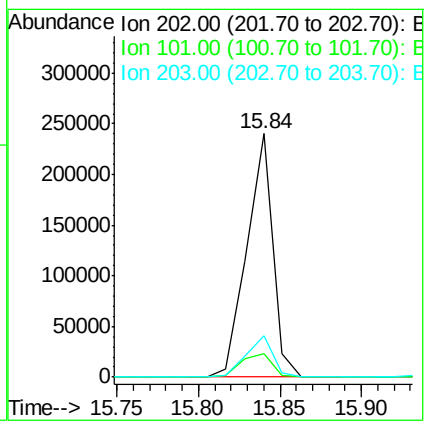
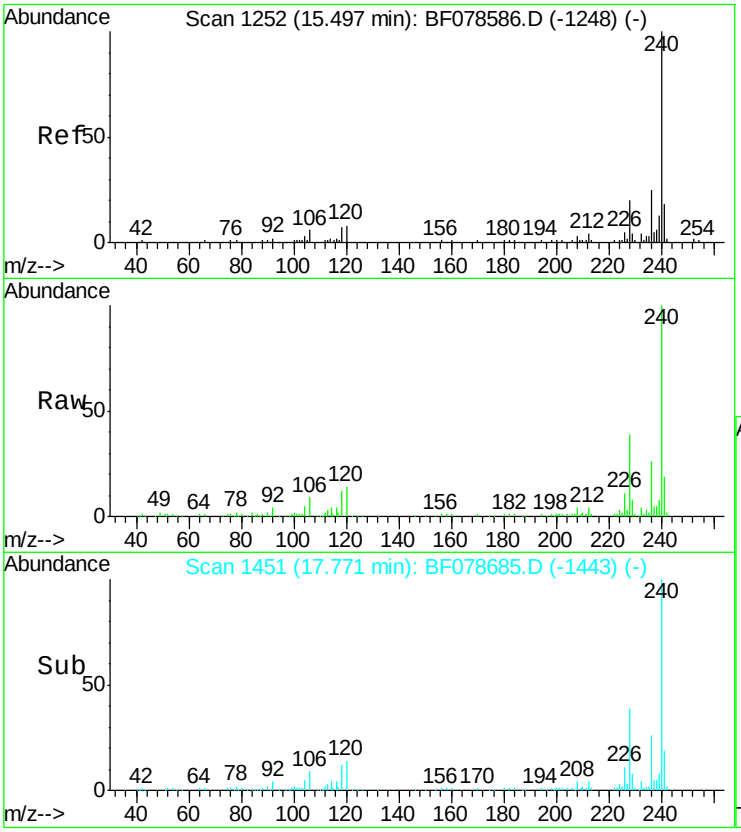


#74
Fluoranthene
Concen: 35.64 ng
RT: 15.84 min Scan# 1282
Delta R.T. 0.00 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Tgt Ion:202 Resp: 265836

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	35.2
203	16.8	0.0	38.5

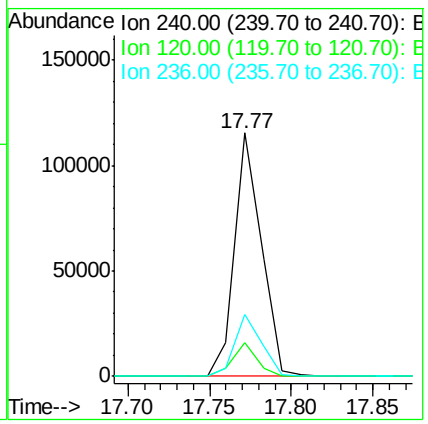




#75
Chrysene-d12
Concen: 20.00 ng
RT: 17.77 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Tgt Ion:240 Resp: 130758

Ion	Ratio	Lower	Upper
240	100		
120	13.6	7.1	10.7#
236	25.6	21.4	32.2



Instrument :
BNA_F
ClientSampleId :
SP-C-2DL

Manual Integrations APPROVED
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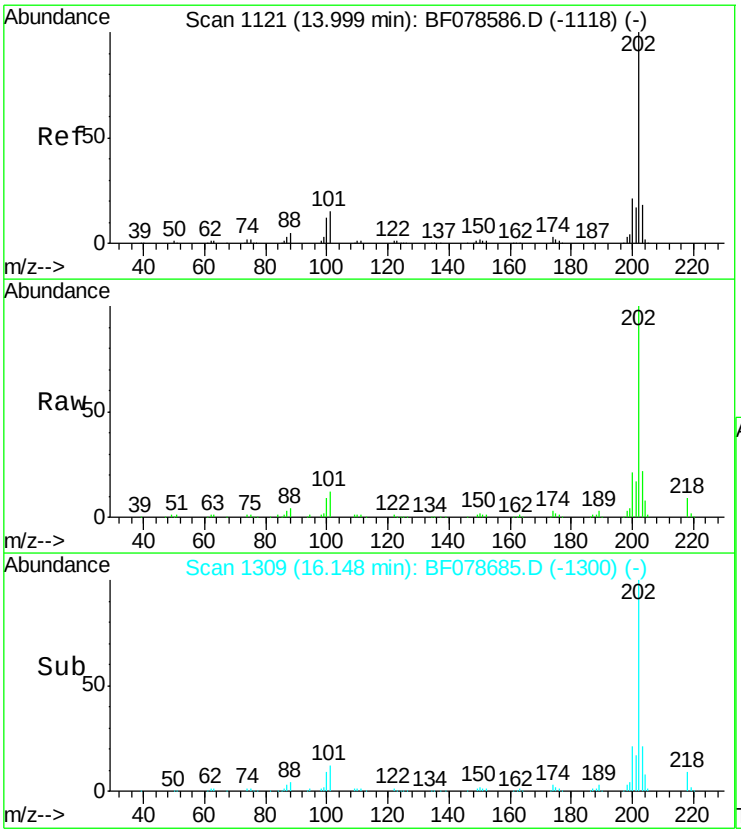
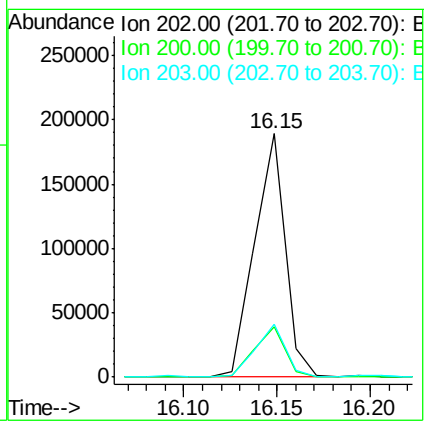
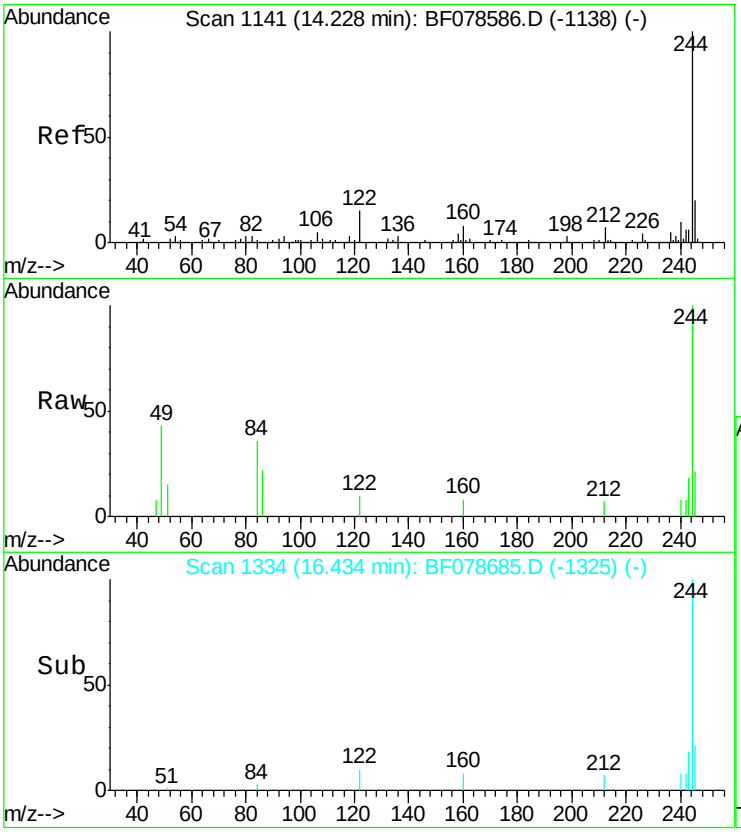


#77
Pyrene
Concen: 26.14 ng
RT: 16.15 min Scan# 1309
Delta R.T. 0.00 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Tgt Ion:202 Resp: 214594

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.3	24.5
203	21.9	13.8	20.6#

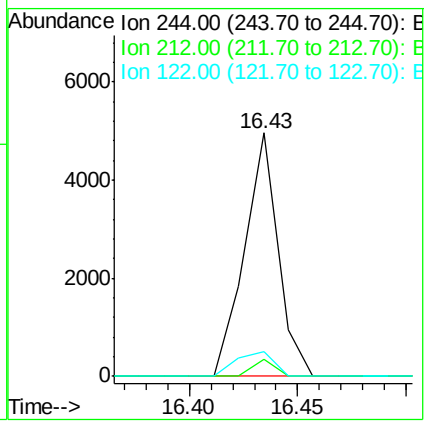




#78
Terphenyl-d14
Concen: 0.92 ng
RT: 16.43 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Tgt Ion:244 Resp: 5319

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.0	7.4
122	10.1	7.1	10.7



Instrument :
BNA_F
ClientSampleId :
SP-C-2DL

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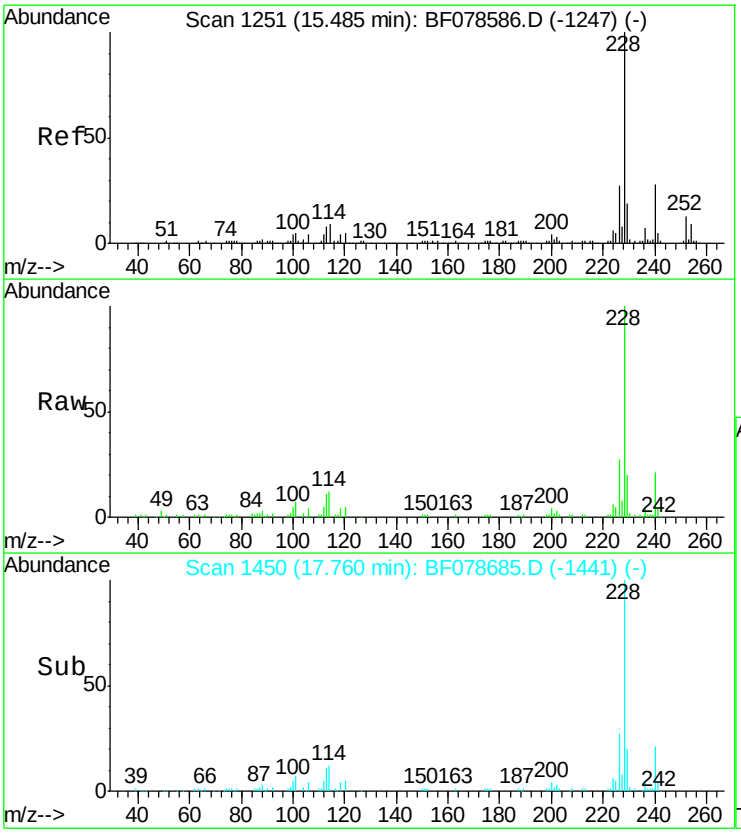
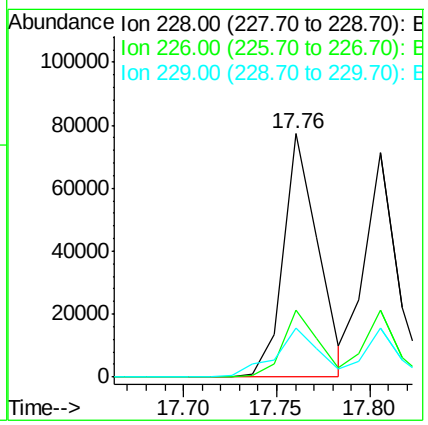
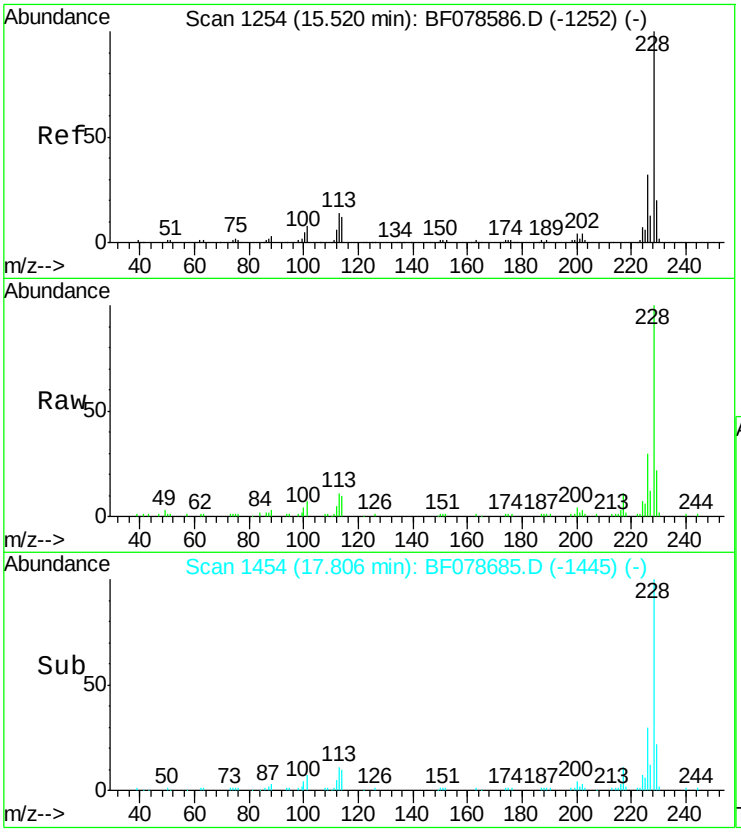


#80
Benzo(a)anthracene
Concen: 12.95 ng
RT: 17.76 min Scan# 1450
Delta R.T. 0.00 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Tgt Ion:228 Resp: 100758

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.3	31.9
229	20.4	15.4	23.2

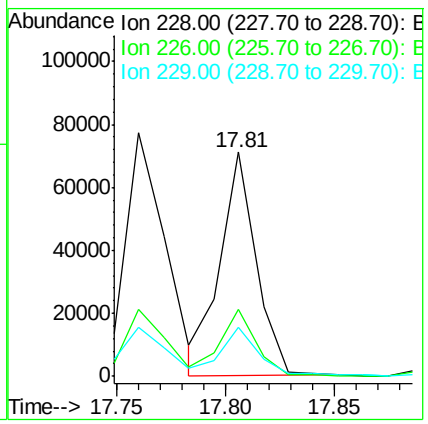




#82
Chrysene
Concen: 11.12 ng
RT: 17.81 min Scan# 1454
Delta R.T. 0.00 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Tgt Ion:228 Resp: 81271

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.2	36.4
229	22.0	15.8	23.8



Instrument :
BNA_F
ClientSampleId :
SP-C-2DL

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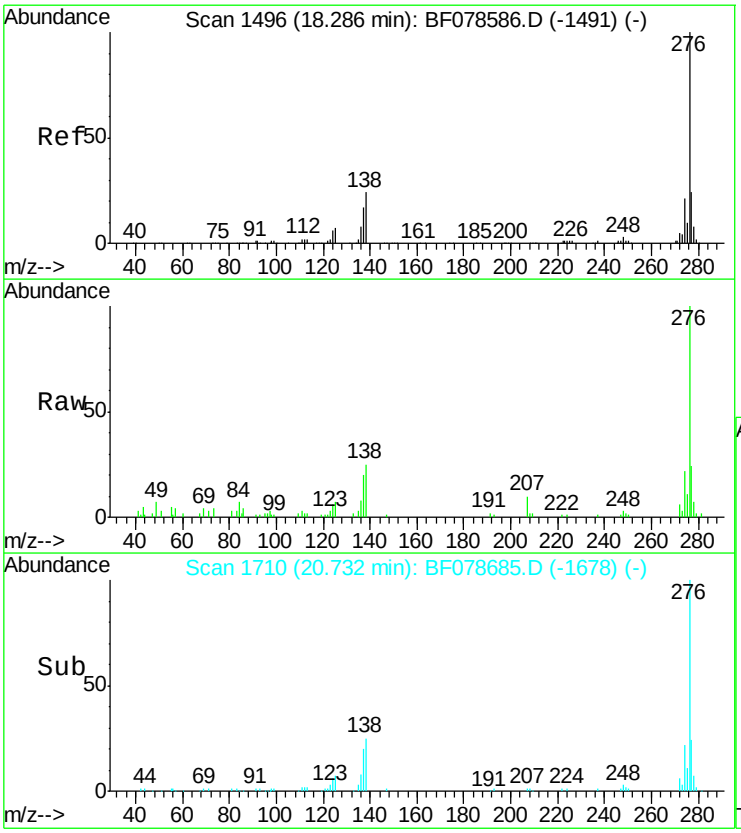
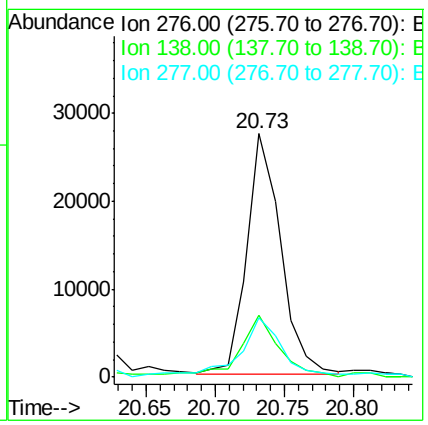
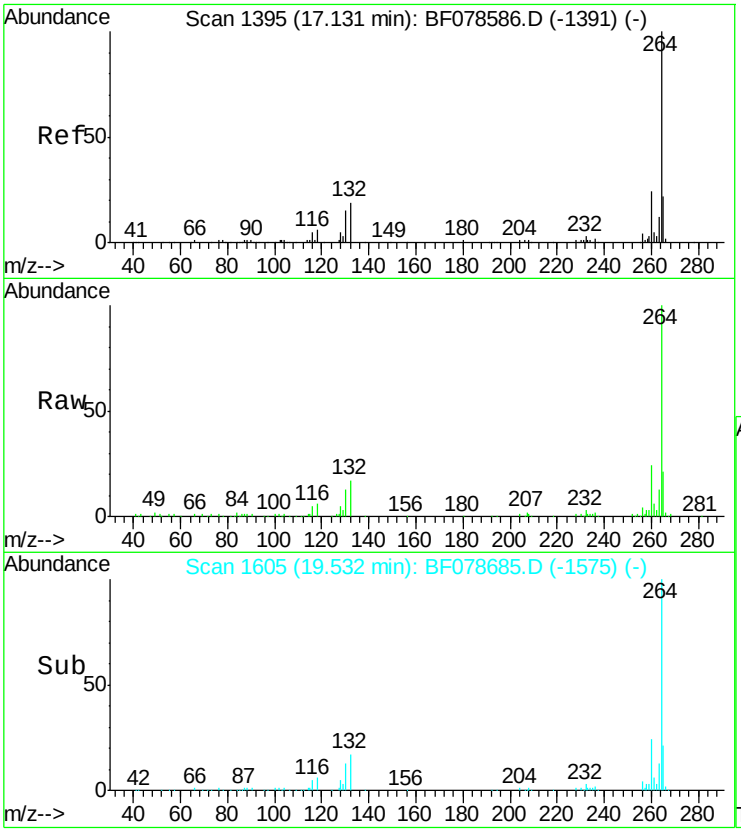


#85
Indeno(1,2,3-cd)pyrene
Concen: 5.64 ng m
RT: 20.73 min Scan# 1710
Delta R.T. 0.07 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Tgt Ion:276 Resp: 46802

Ion	Ratio	Lower	Upper
276	100		
138	6.2	16.9	25.3#
277	4.5	15.8	23.6#

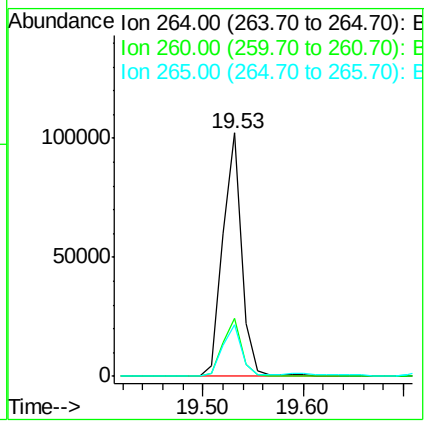




#86
Perylene-d12
Concen: 20.00 ng
RT: 19.53 min Scan# 1605
Delta R.T. 0.05 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Tgt Ion:264 Resp: 133422

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	27.8
265	21.0	17.0	25.6



Instrument :
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ClientSampleId :
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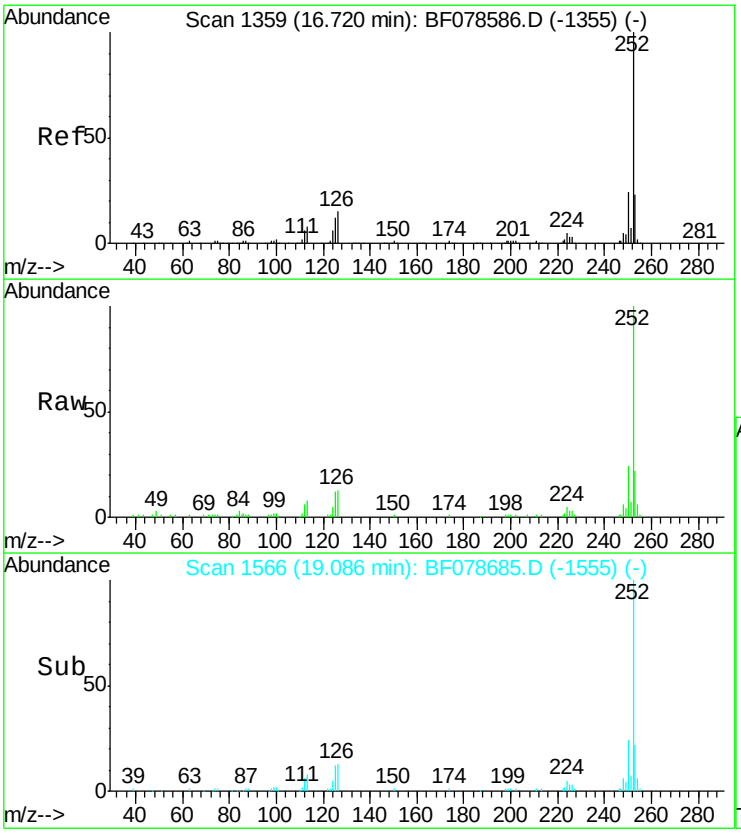
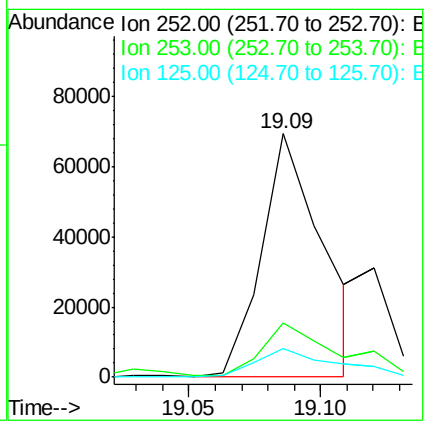
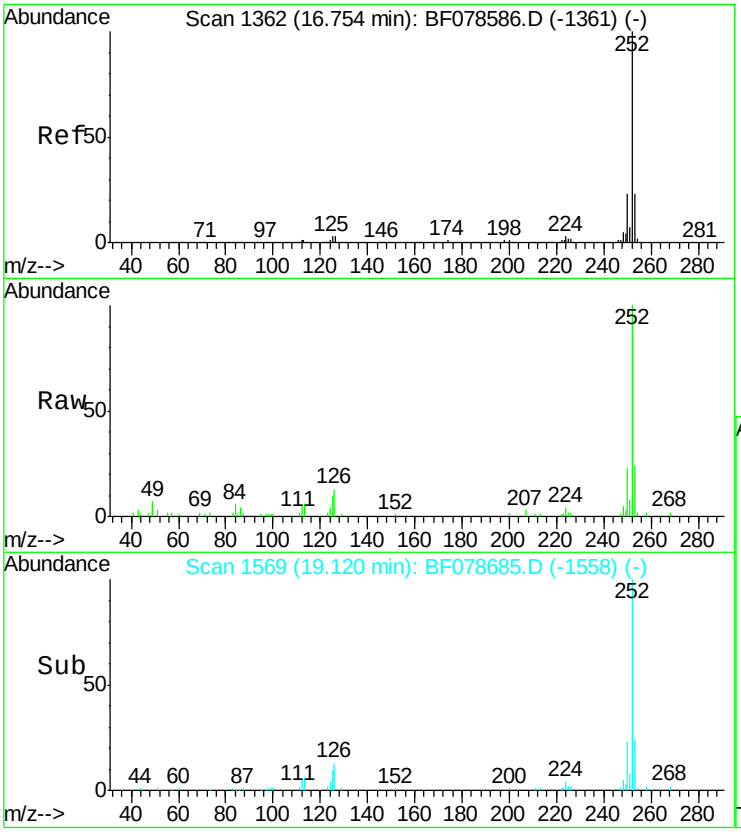


#87
Benzo(b)fluoranthene
Concen: 13.62 ng m
RT: 19.09 min Scan# 1566
Delta R.T. 0.02 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Tgt Ion:252 Resp: 112289

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	11.6	7.0	10.4#

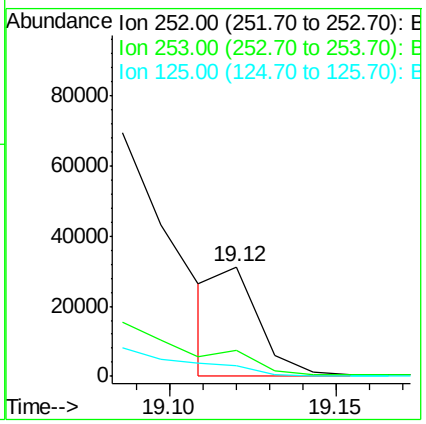




#88
Benzo(k)fluoranthene
Concen: 3.63 ng m
RT: 19.12 min Scan# 1569
Delta R.T. 0.02 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Tgt Ion:252 Resp: 26622

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	10.1	11.6	17.4#



Instrument :
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ClientSampleId :
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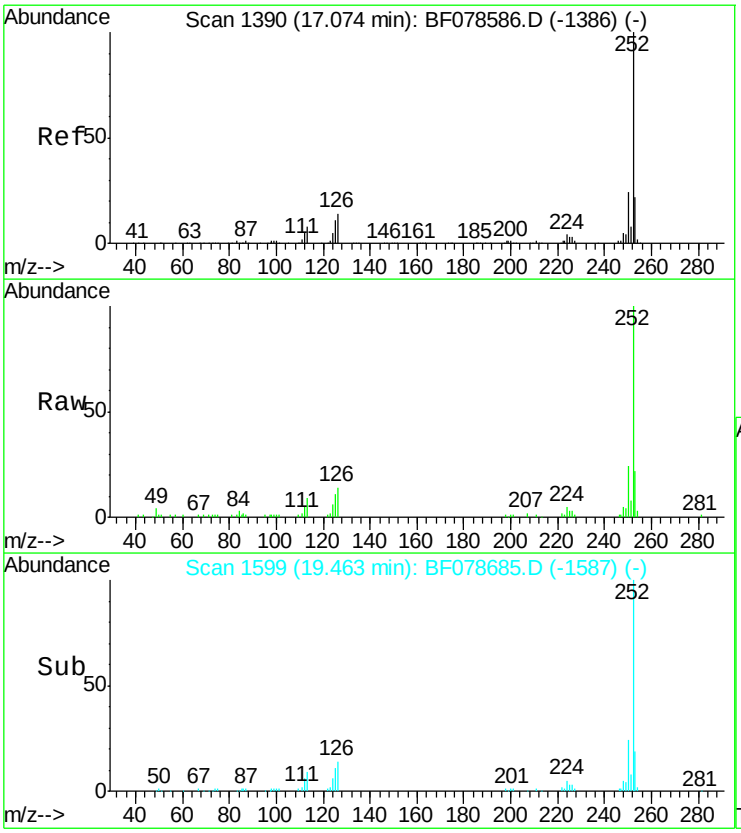
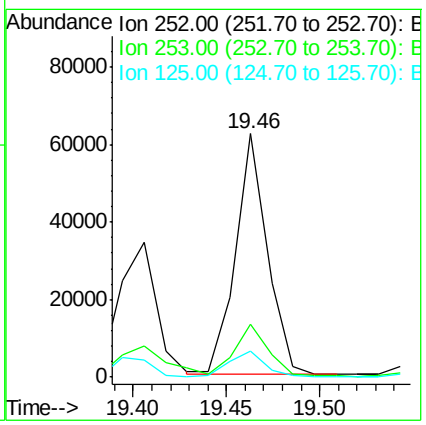
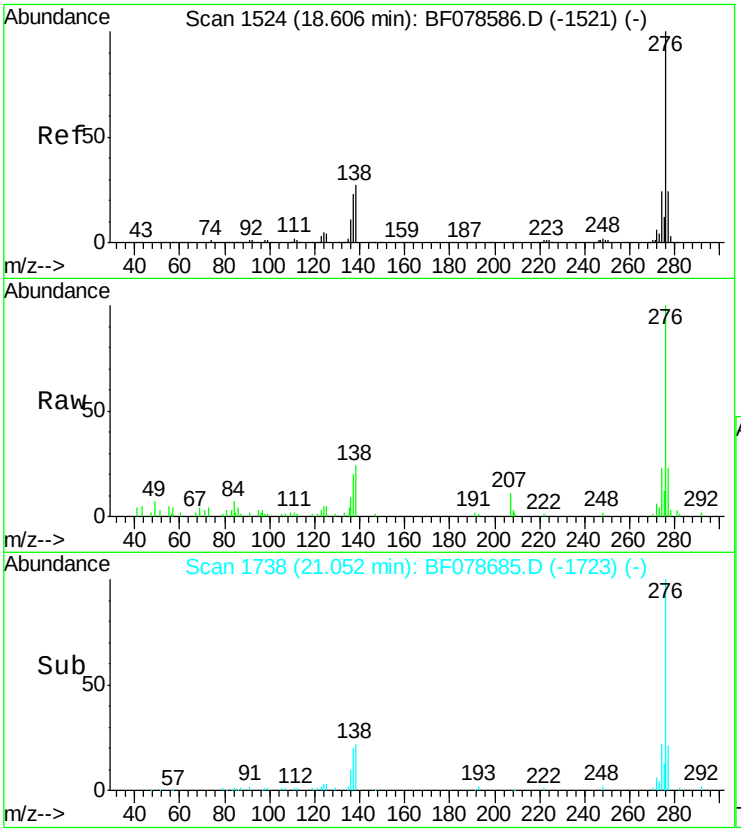


#89
Benzo(a)pyrene
Concen: 10.38 ng
RT: 19.46 min Scan# 1599
Delta R.T. 0.03 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Tgt Ion:252 Resp: 74732

Ion	Ratio	Lower	Upper
252	100		
253	21.8	16.8	25.2
125	10.7	7.4	11.0

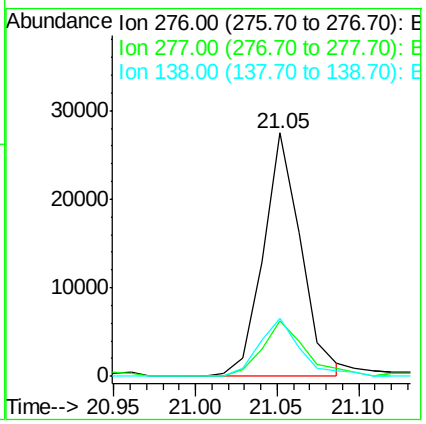




#91
Benzo(g,h,i)perylene
Concen: 6.09 ng
RT: 21.05 min Scan# 1738
Delta R.T. 0.07 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Tgt Ion:276 Resp: 43981

Ion	Ratio	Lower	Upper
276	100		
277	22.7	19.0	28.4
138	23.6	19.9	29.9



Instrument :
BNA_F
ClientSampleId :
SP-C-2DL

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