Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111717\
Data File : BF100697.D
Acq On : 18 Nov 2017 1:58
Operator : SJ/JU
Sample : I6419-03 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LEW-2-E(4-5)

Manual Integrations APPROVED
SOHIL
11/20/2017 2:51:27 PM

Quant Time: Nov 18 03:10:13 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 15:22:08 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	98826	20.00	ng		0.00
21) Naphthalene-d8	8.16	136	356983	20.00	ng		0.00
38) Acenaphthene-d10	9.92	164	127684	20.00	ng		0.00
63) Phenanthrene-d10	11.40	188	196009	20.00	ng		0.00
75) Chrysene-d12	14.04	240	221156	20.00	ng		0.00
86) Perylene-d12	15.52	264	193115	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.50	112	384321	62.34	ng		0.00
7) Phenol-d6	6.50	99	483043	63.54	ng		0.00
23) Nitrobenzene-d5	7.44	82	292734	54.21	ng		-0.01
41) 2,4,6-Tribromophenol	10.70	330	50497	38.81	ng		0.00
44) 2-Fluorobiphenyl	9.23	172	518723	61.86	ng		0.00
78) Terphenyl-d14	12.99	244	393160	40.85	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.52	94	39442	4.942	ng		97
49) Dimethylphthalate	9.63	163	53725	5.511	ng	#	98
70) Phenanthrene	11.43	178	197092	19.098	ng		98
71) Anthracene	11.47	178	43291	4.135	ng		97
74) Fluoranthene	12.62	202	286288	26.175	ng		97
77) Pyrene	12.84	202	320647	20.339	ng		100
80) Benzo(a)anthracene	14.03	228	158534	11.904	ng		98
82) Chrysene	14.07	228	155462	12.054	ng		99
83) Bis(2-ethylhexyl)phthalate	14.01	149	25810	3.052	ng	#	99
85) Indeno(1,2,3-cd)pyrene	17.00	276	51407m	4.928	ng		
87) Benzo(b)fluoranthene	15.09	252	160941m	14.067	ng		
88) Benzo(k)fluoranthene	15.11	252	48425m	4.480	ng		
89) Benzo(a)pyrene	15.46	252	108469	10.694	ng		96
91) Benzo(g,h,i)perylene	17.45	276	52087	6.415	ng	#	92

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

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BNA_F
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LEW-2-E(4-5)

Manual Integrations APPROVED
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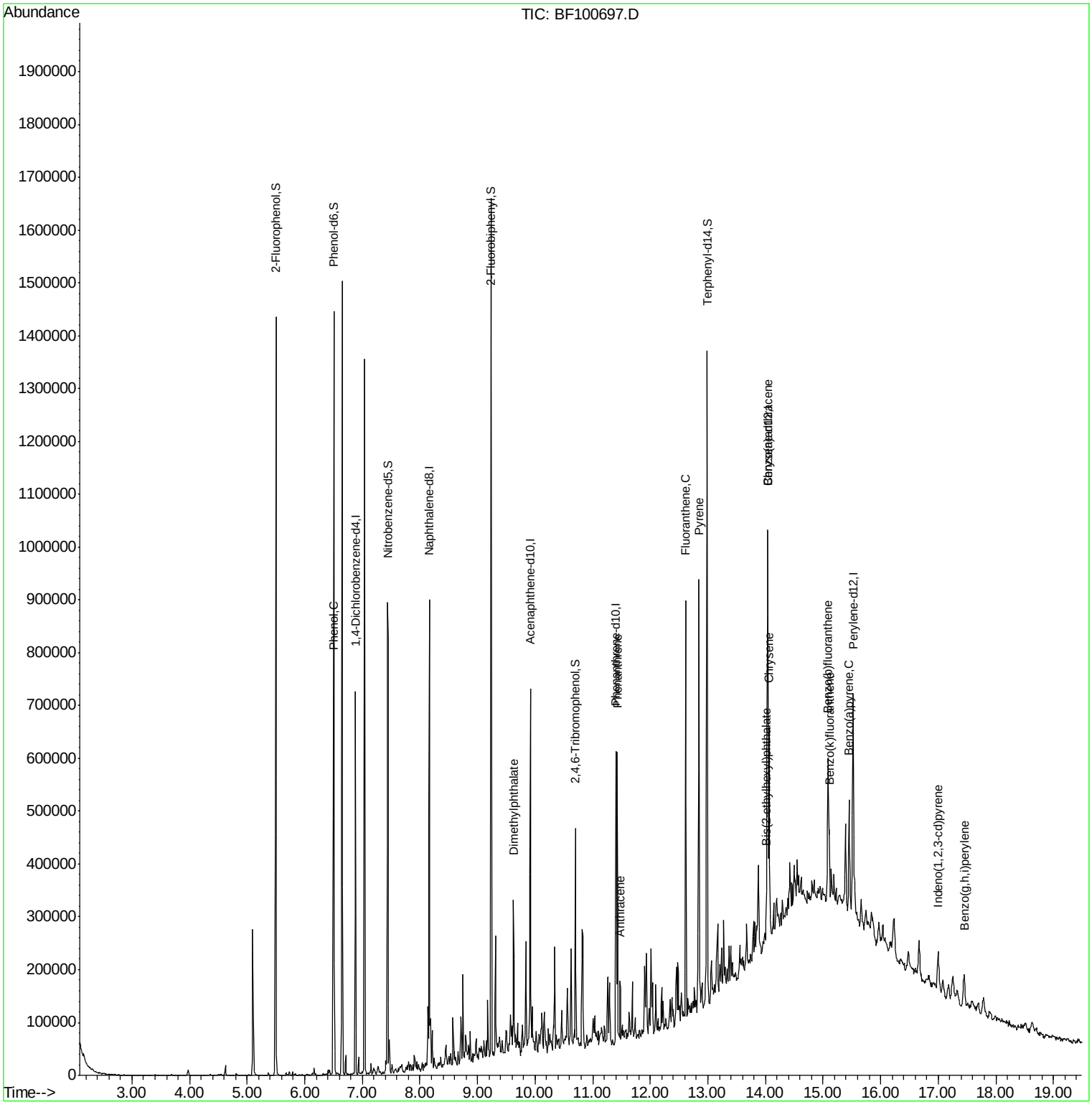
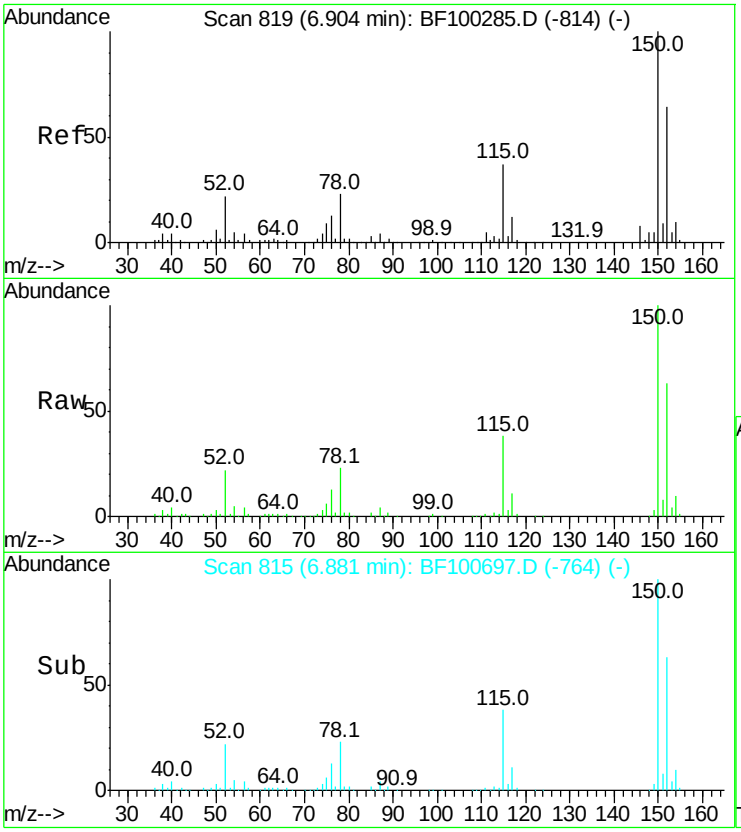
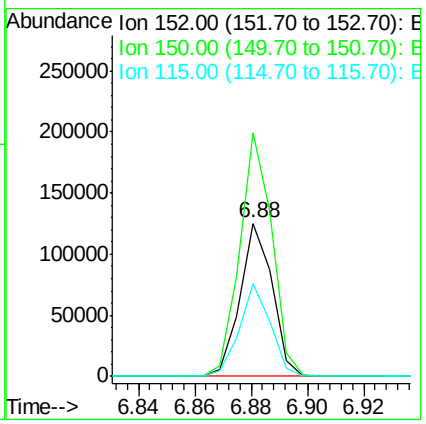




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion:152 Resp: 98826

Ion	Ratio	Lower	Upper
152	100		
150	159.1	124.6	186.8
115	60.4	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
LEW-2-E(4-5)

Manual Integrations APPROVED
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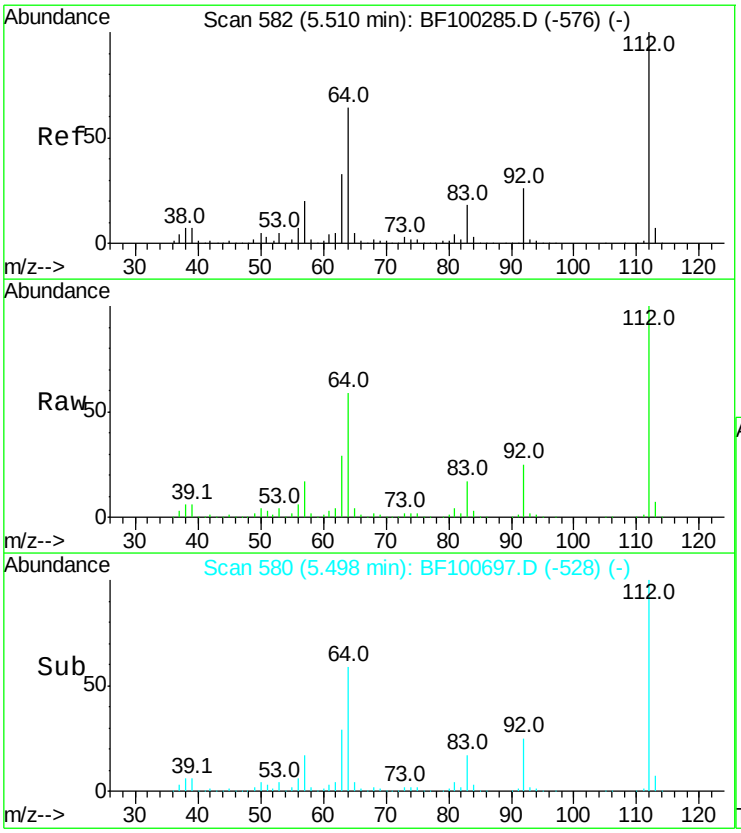
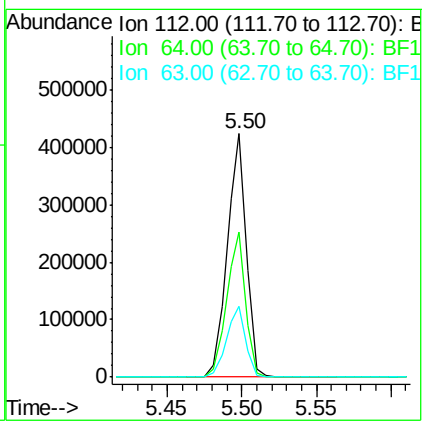
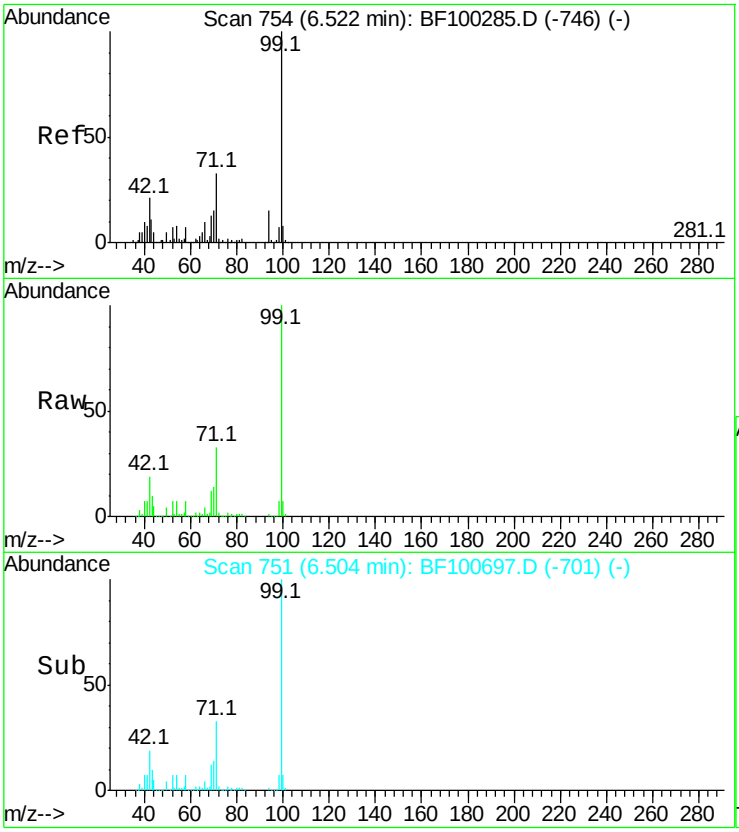


#5
2-Fluorophenol
Concen: 62.338 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion:112 Resp: 384321

Ion	Ratio	Lower	Upper
112	100		
64	59.5	47.9	71.9
63	29.3	23.7	35.5

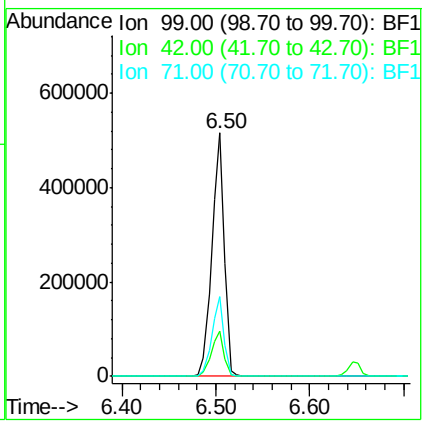




#7
Phenol-d6
Concen: 63.538 ng
RT: 6.50 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion: 99 Resp: 483043

Ion	Ratio	Lower	Upper
99	100		
42	18.8	14.5	21.7
71	32.5	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
LEW-2-E(4-5)

Manual Integrations APPROVED
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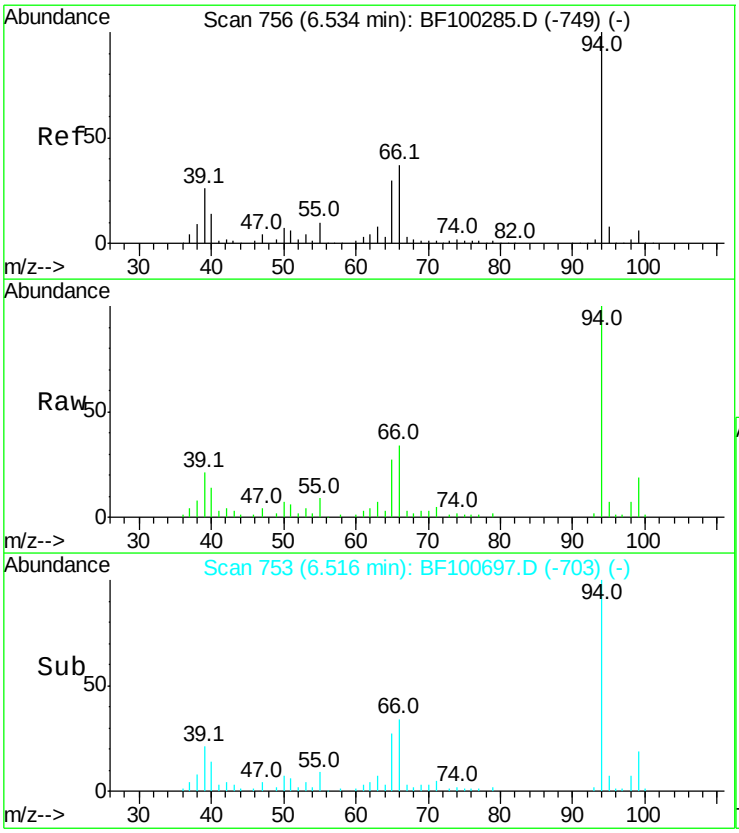
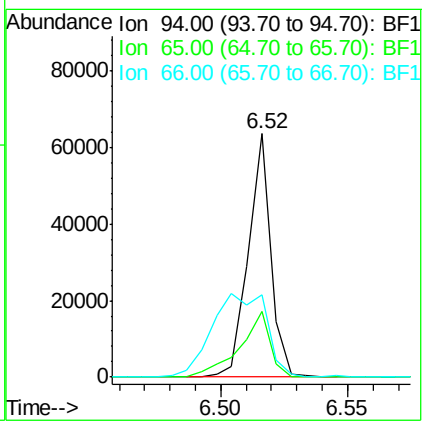
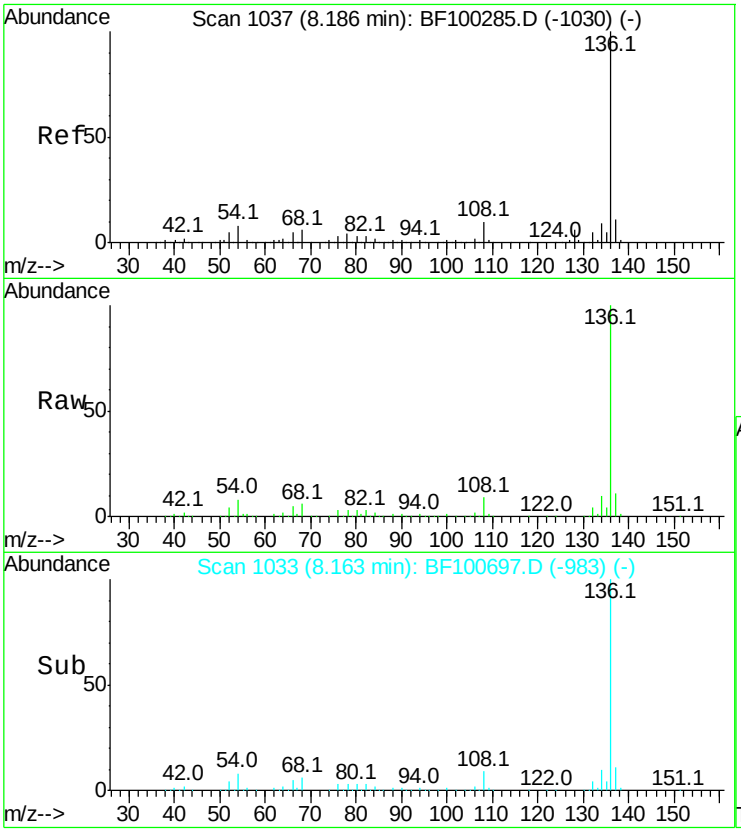


#10
Phenol
Concen: 4.942 ng
RT: 6.52 min Scan# 753
Delta R.T. -0.01 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion: 94 Resp: 39442

Ion	Ratio	Lower	Upper
94	100		
65	27.2	7.9	47.9
66	33.6	16.2	56.2

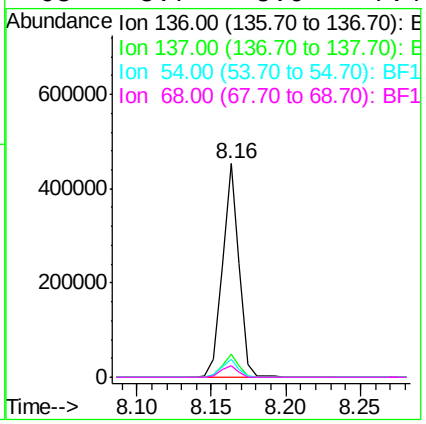




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion:136 Resp: 356983

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.1	6.6	9.8
68	5.7	5.0	7.4



Instrument :
BNA_F
ClientSampleId :
LEW-2-E(4-5)

Manual Integrations APPROVED
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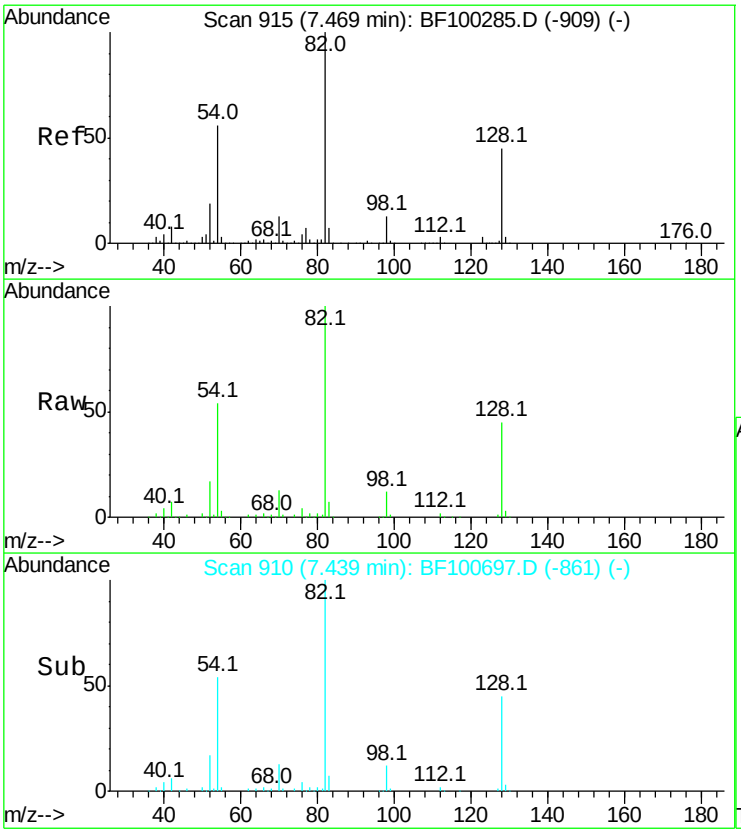
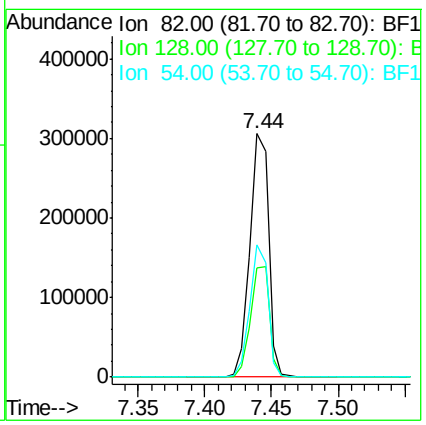
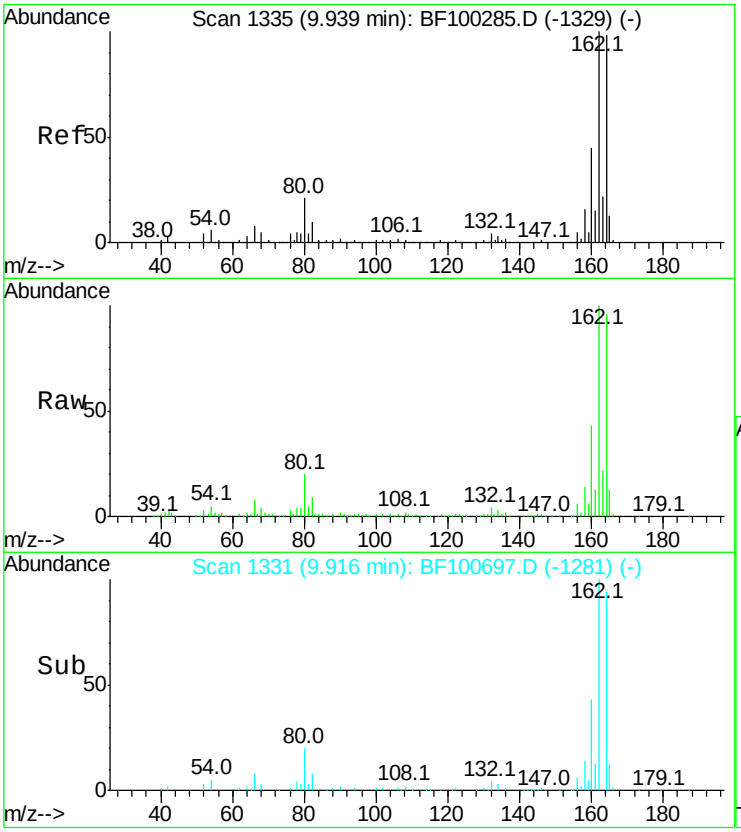


#23
Nitrobenzene-d5
Concen: 54.214 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion: 82 Resp: 292734

Ion	Ratio	Lower	Upper
82	100		
128	44.9	36.1	54.1
54	54.1	41.4	62.2

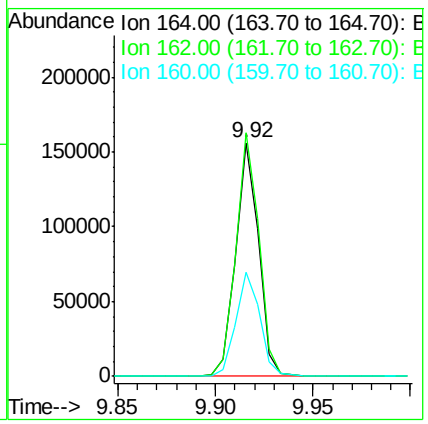




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion:164 Resp: 127684

Ion	Ratio	Lower	Upper
164	100		
162	104.1	86.1	129.1
160	44.4	38.3	57.5



Instrument :
BNA_F
ClientSampleId :
LEW-2-E(4-5)

Manual Integrations APPROVED
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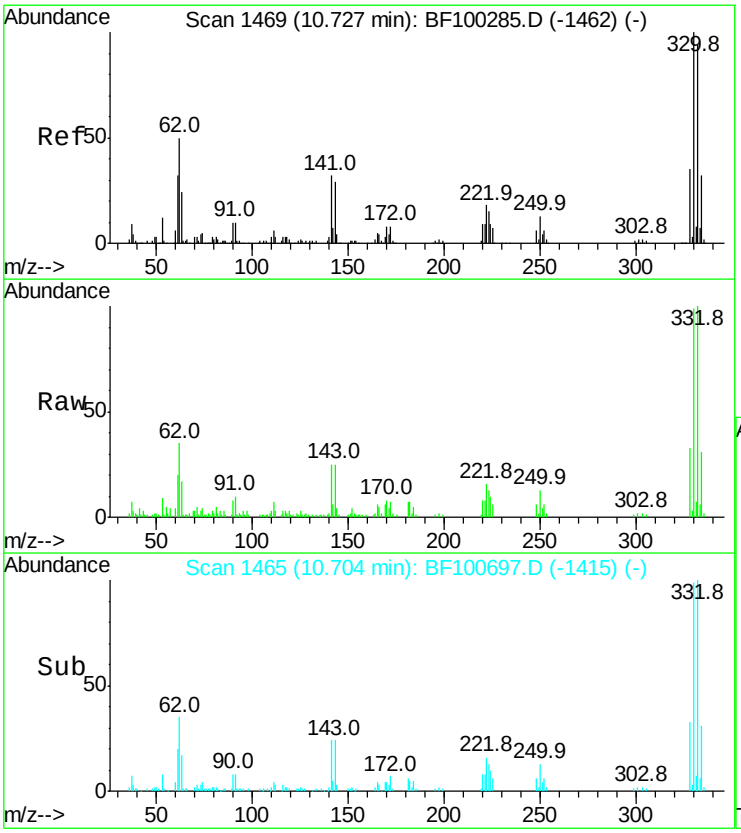
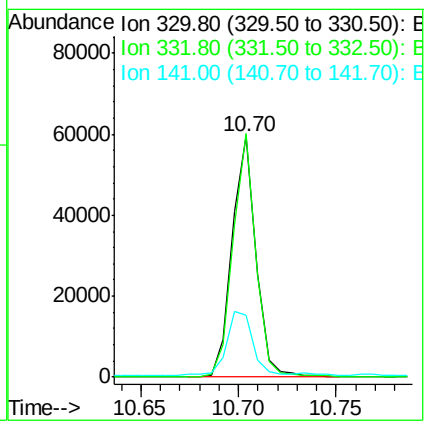
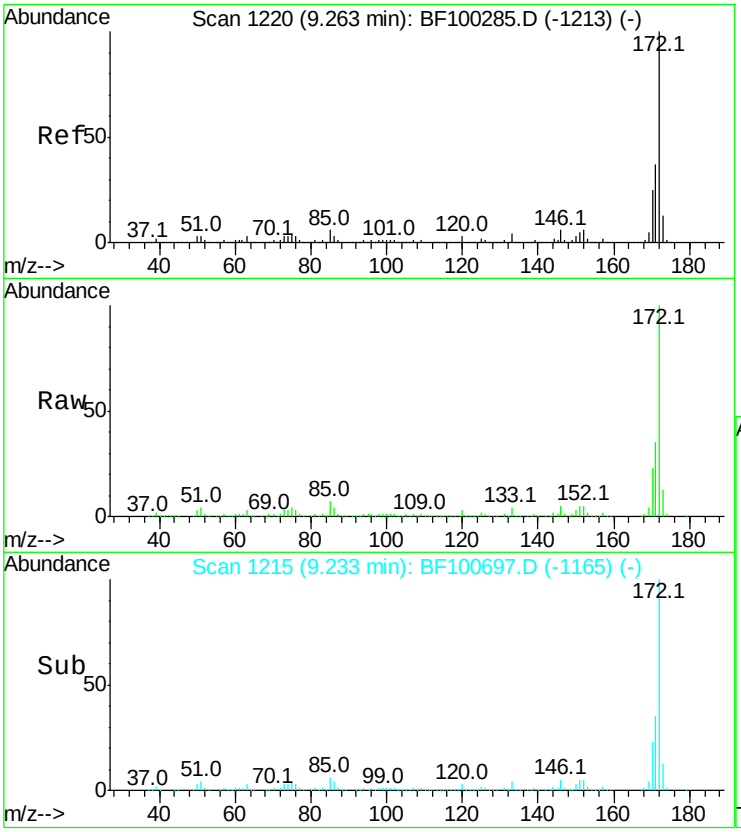


#41
2,4,6-Tribromophenol
Concen: 38.811 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion:330 Resp: 50497

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	29.1	29.9	44.9#

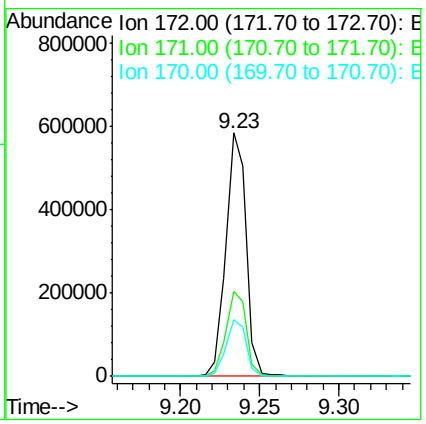




#44
2-Fluorobiphenyl
Concen: 61.861 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion:172 Resp: 518723

Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	23.2	19.6	29.4



Instrument :
BNA_F
ClientSampleId :
LEW-2-E(4-5)

Manual Integrations APPROVED
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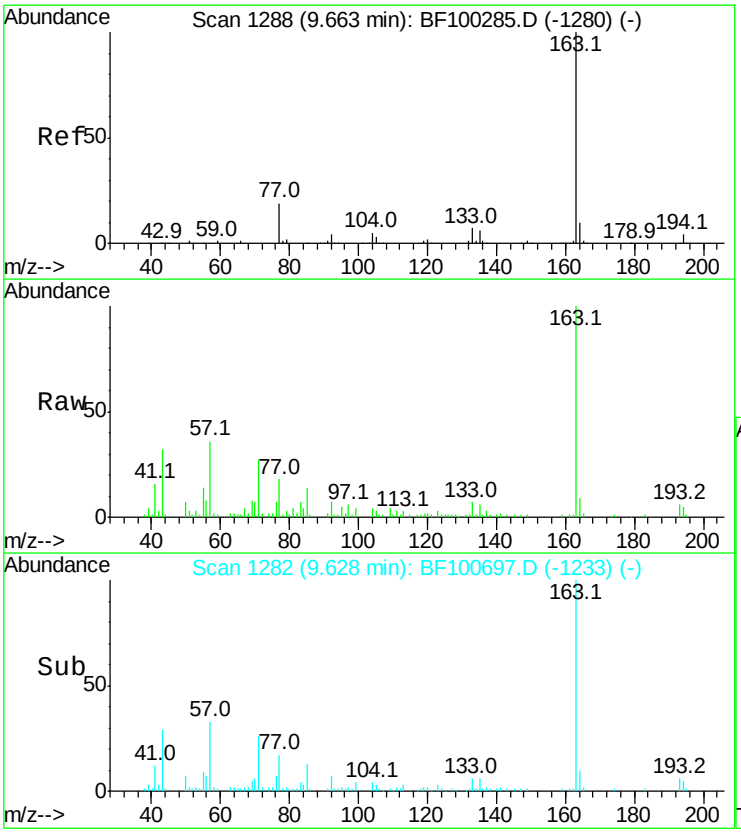
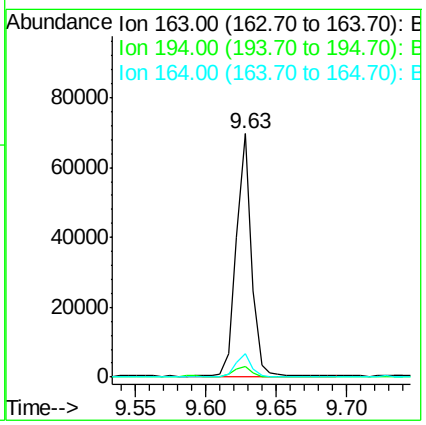
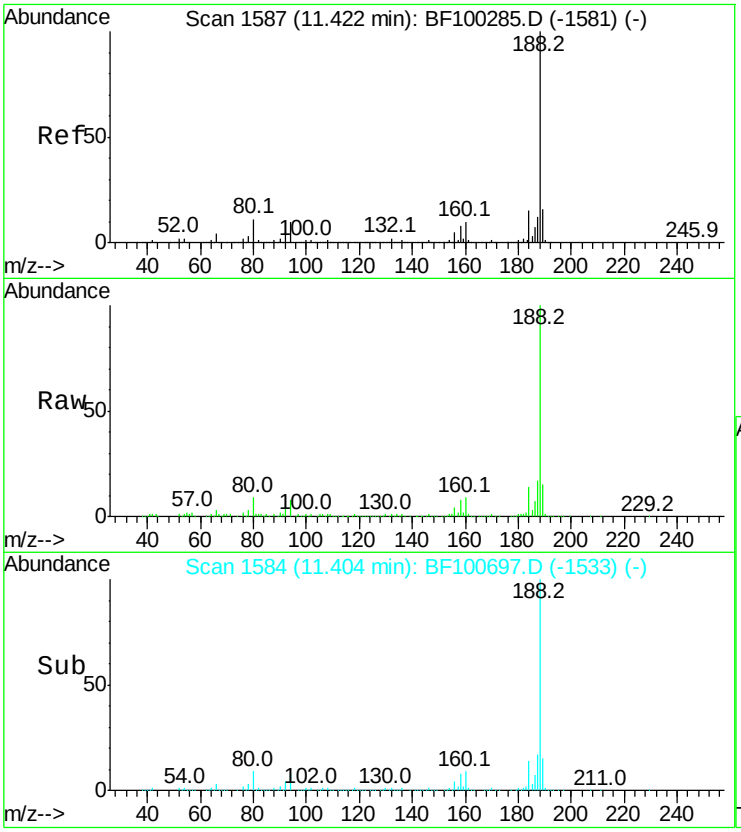


#49
Dimethylphthalate
Concen: 5.511 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion:163 Resp: 53725

Ion	Ratio	Lower	Upper
163	100		
194	4.6	2.7	4.1#
164	9.5	8.2	12.2





#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion:188 Resp: 196009

Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.5	12.7#
80	9.4	9.2	13.8

Instrument :
BNA_F
ClientSampleId :
LEW-2-E(4-5)

Manual Integrations APPROVED
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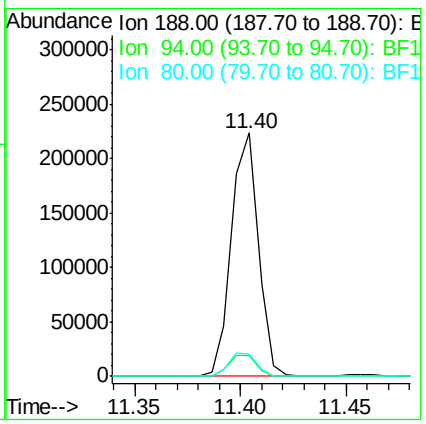
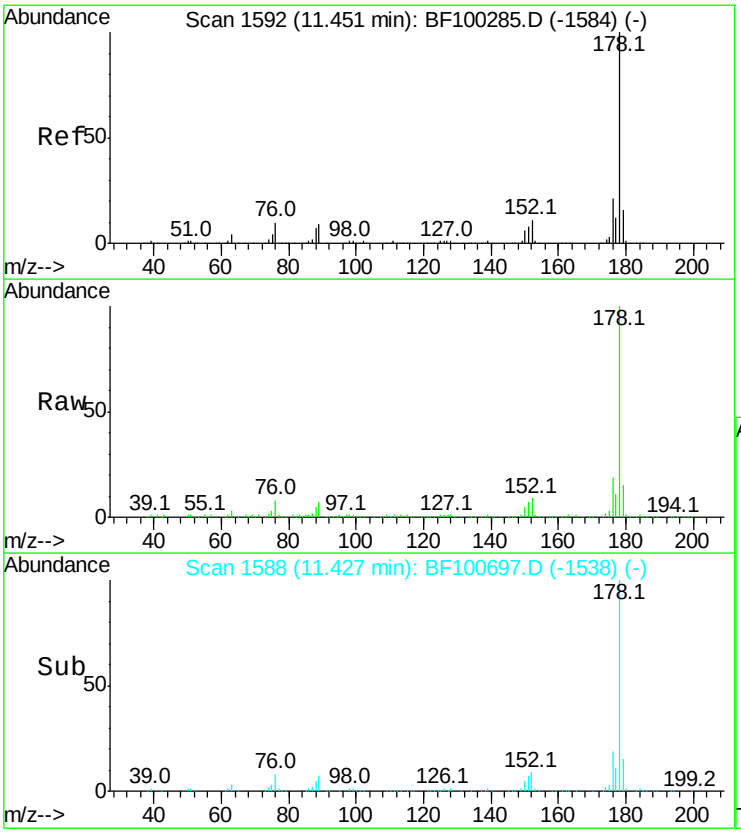
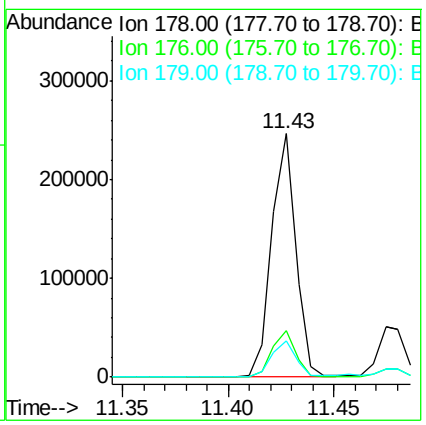


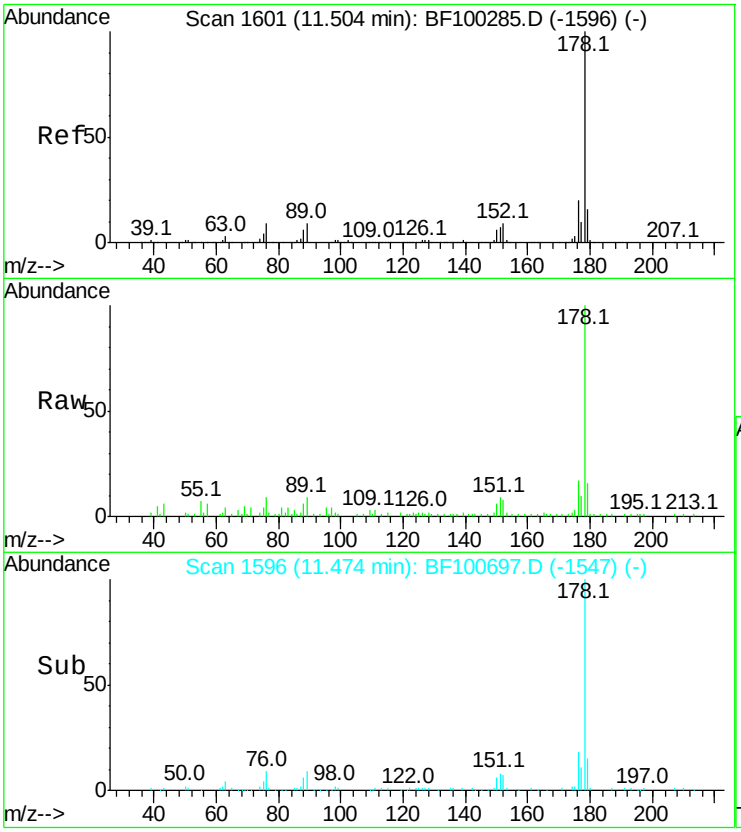


#70
Phenanthrene
Concen: 19.098 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion:178 Resp: 197092

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	14.9	13.0	19.6

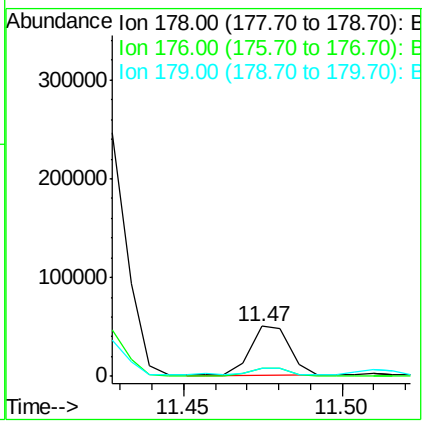




#71
Anthracene
Concen: 4.135 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.01 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion:178 Resp: 43291

Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.4	23.2
179	16.2	12.6	19.0



Instrument :
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ClientSampleId :
LEW-2-E(4-5)

Manual Integrations APPROVED
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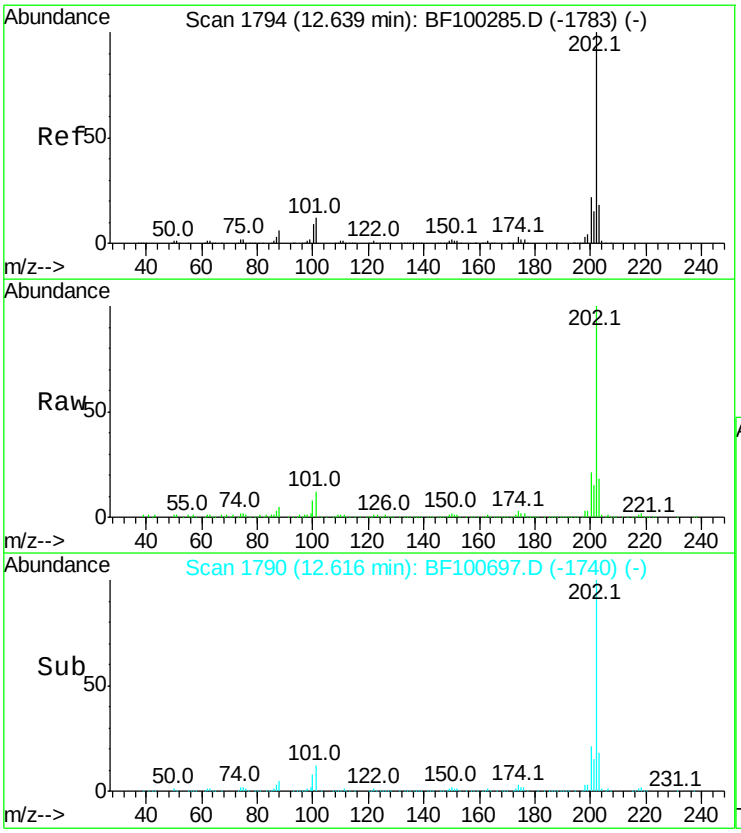
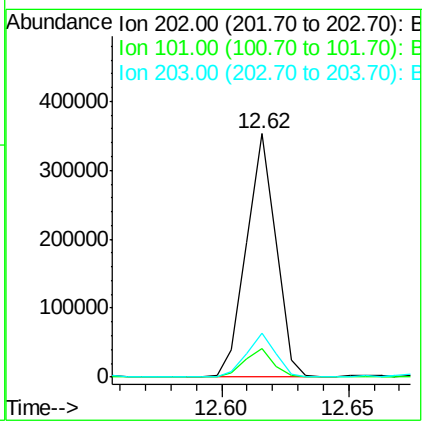
11/20/2017 2:51:27 PM

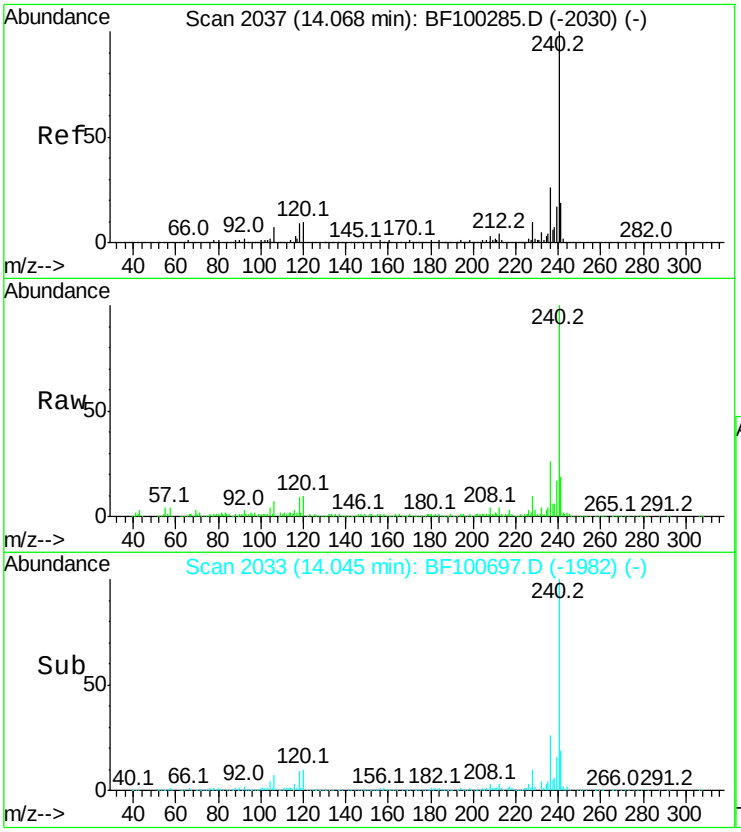


#74
Fluoranthene
Concen: 26.175 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion:202 Resp: 286288

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	34.1
203	17.9	0.0	38.1

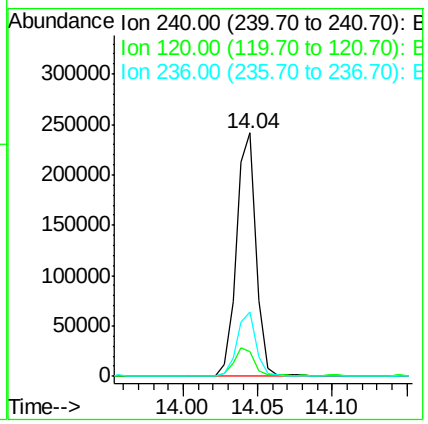




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

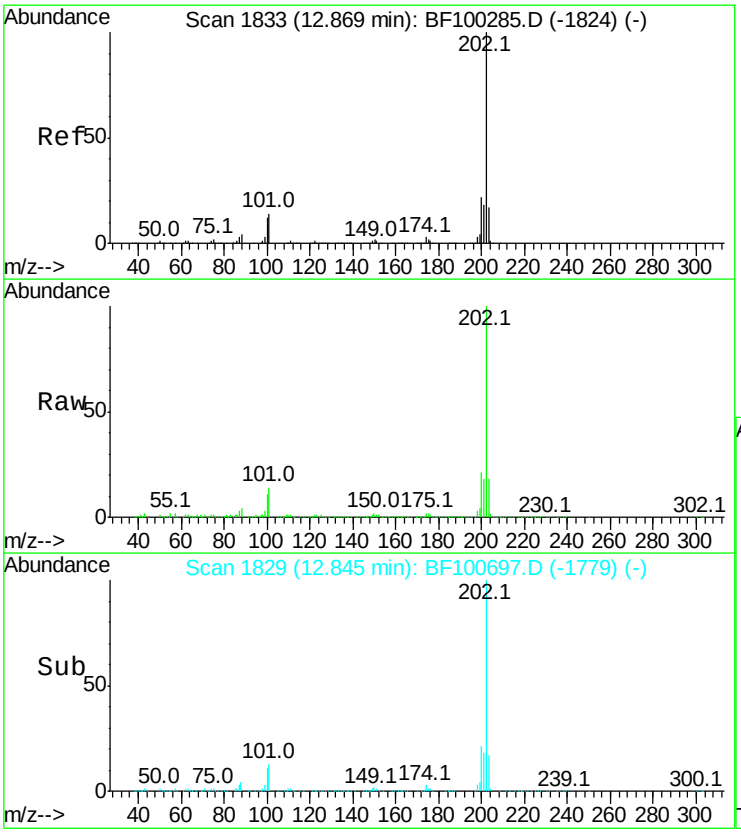
Tgt Ion:240 Resp: 221156

Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.5	14.3
236	26.4	20.7	31.1



Instrument :
BNA_F
ClientSampleId :
LEW-2-E(4-5)

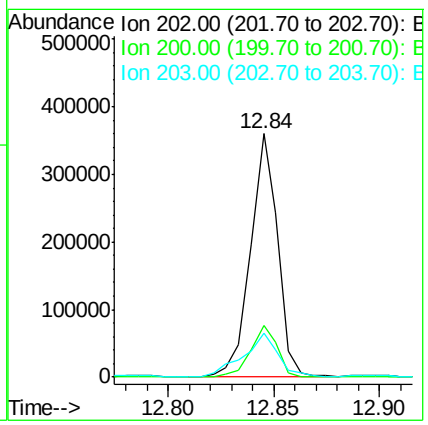
Manual Integrations APPROVED
SOHIL
11/20/2017 2:51:27 PM

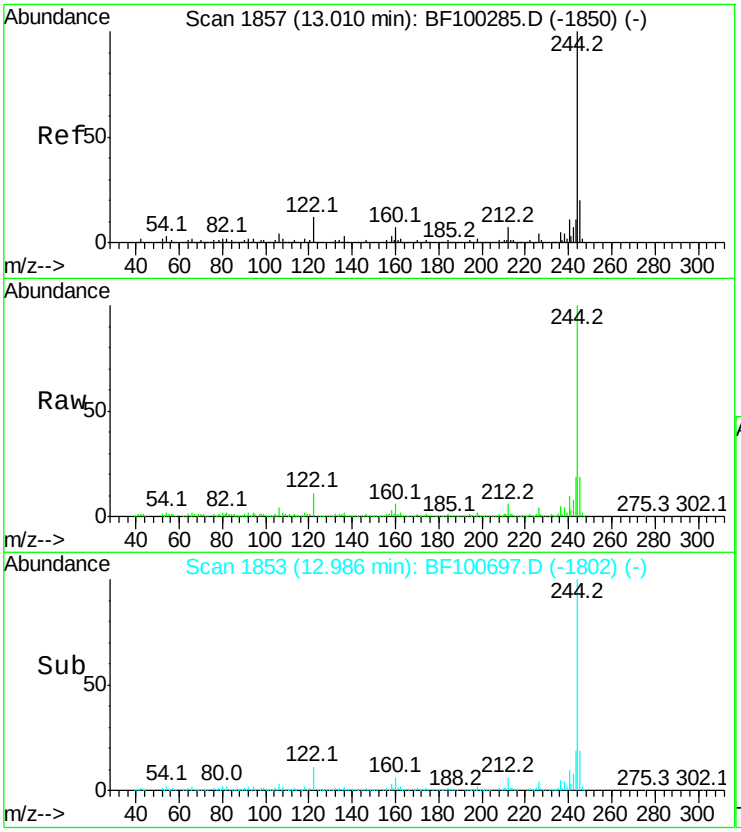


#77
Pyrene
Concen: 20.339 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion:202 Resp: 320647

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.9	14.3	21.5

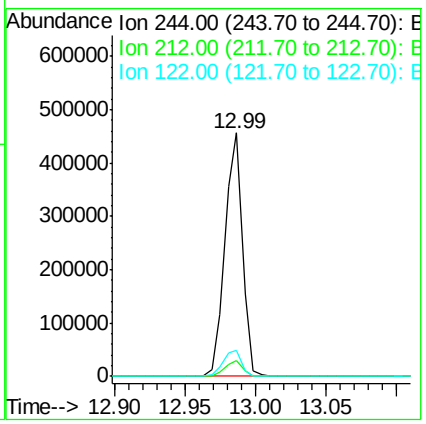




#78
Terphenyl-d14
Concen: 40.847 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.00 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion:244 Resp: 393160

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	10.6	11.0	16.4#



Instrument :
BNA_F
ClientSampleId :
LEW-2-E(4-5)

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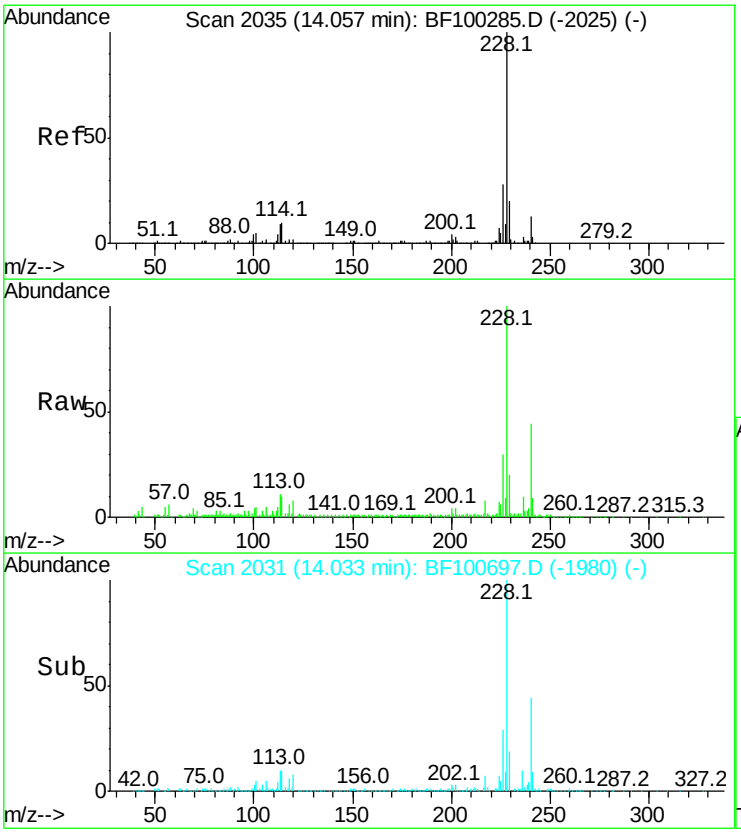
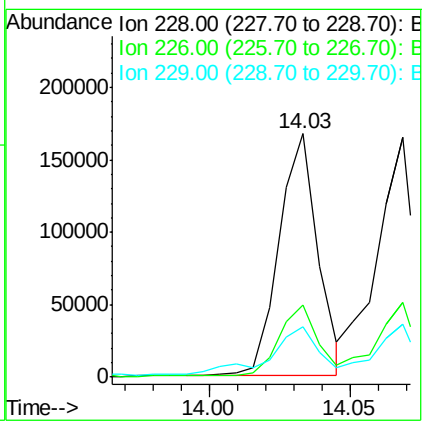
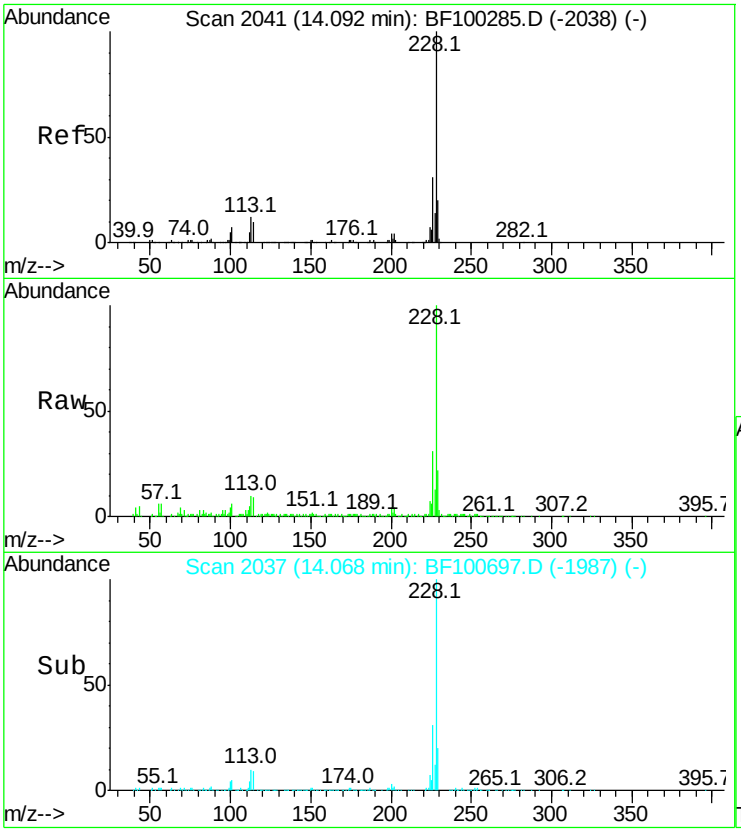


#80
Benzo(a)anthracene
Concen: 11.904 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion:228 Resp: 158534

Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.6	33.8
229	20.5	15.8	23.6

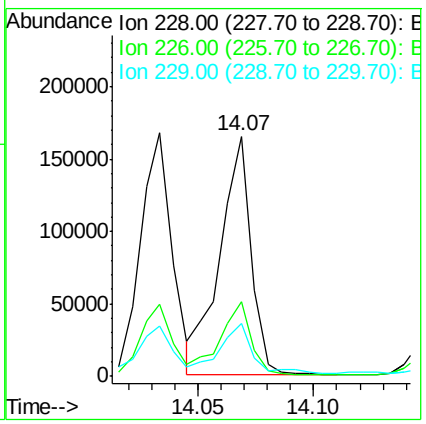




#82
Chrysene
Concen: 12.054 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion:228 Resp: 155462

Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	21.9	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
LEW-2-E(4-5)

Manual Integrations APPROVED
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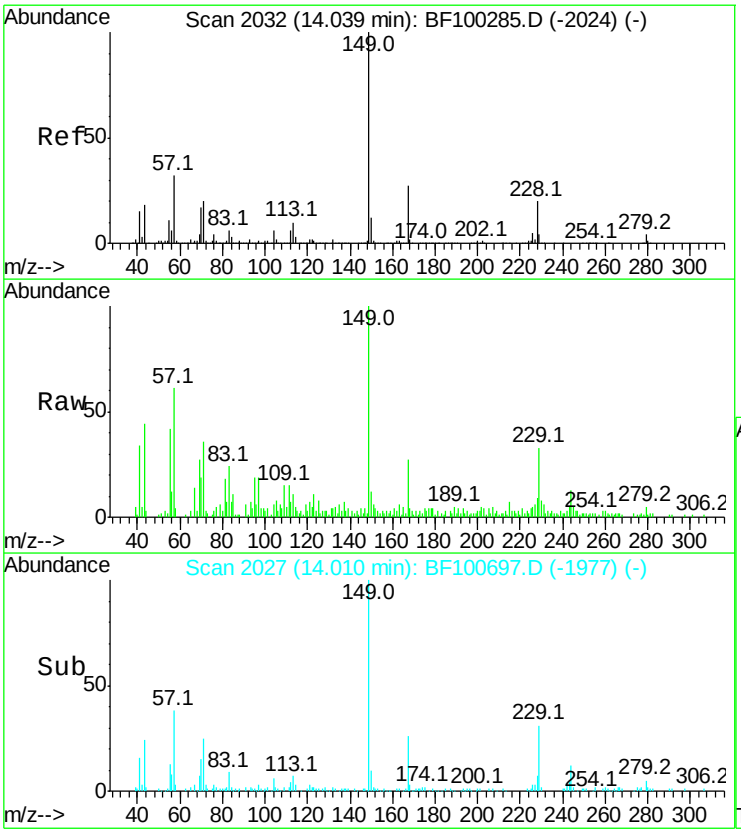
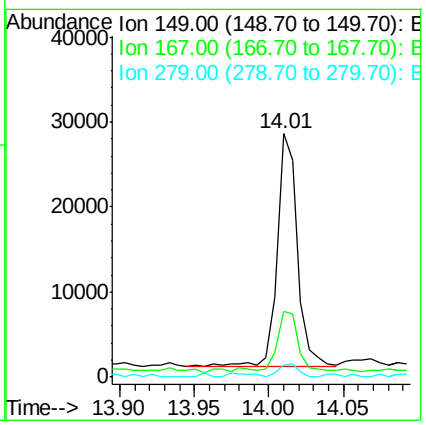
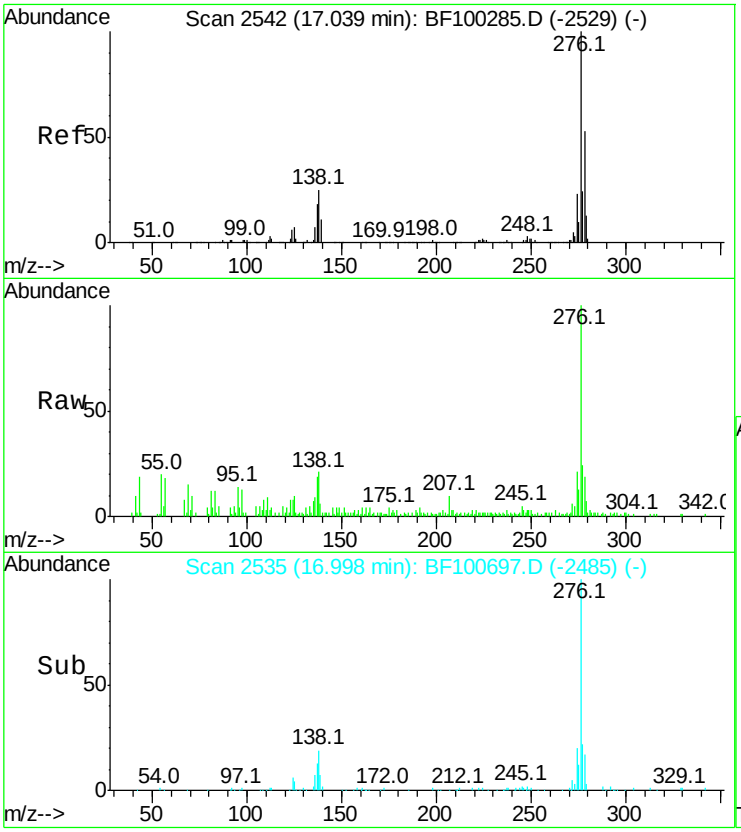


#83
Bis(2-ethylhexyl)phthalate
Concen: 3.052 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion:149 Resp: 25810

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.3	31.9
279	4.8	3.0	4.4#

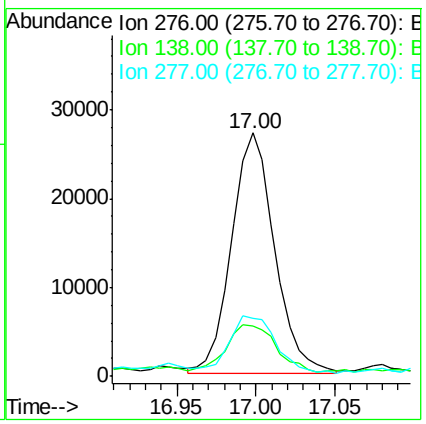




#85
Indeno(1,2,3-cd)pyrene
Concen: 4.928 ng m
RT: 17.00 min Scan# 2535
Delta R.T. -0.01 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion:276 Resp: 51407

Ion	Ratio	Lower	Upper
276	100		
138	6.4	25.0	37.6#
277	4.0	20.1	30.1#



Instrument :
BNA_F
ClientSampleId :
LEW-2-E(4-5)

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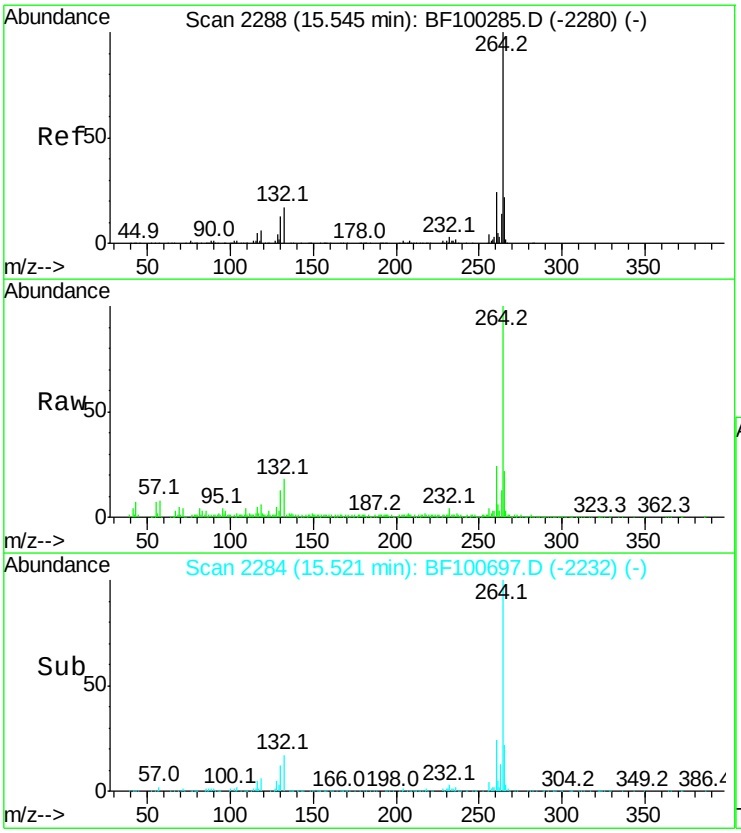
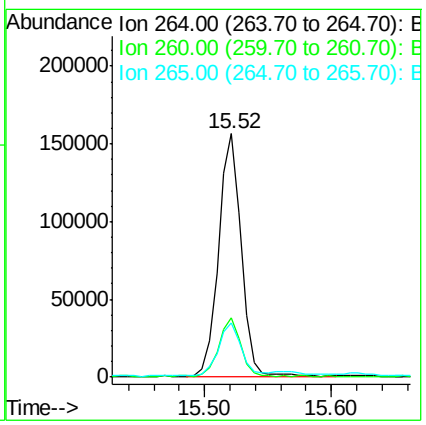
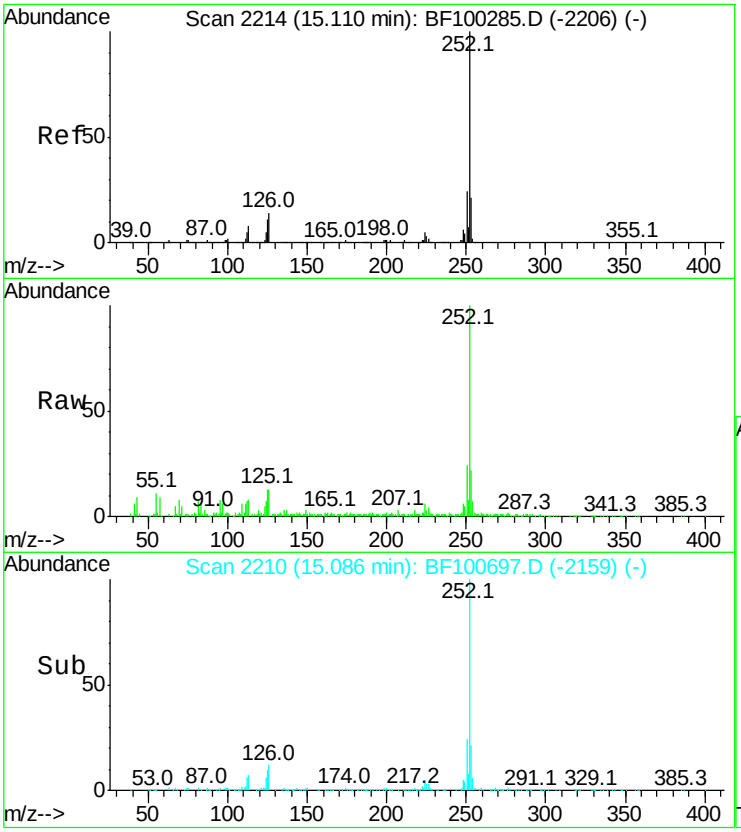


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion:264 Resp: 193115

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.2	17.5	26.3

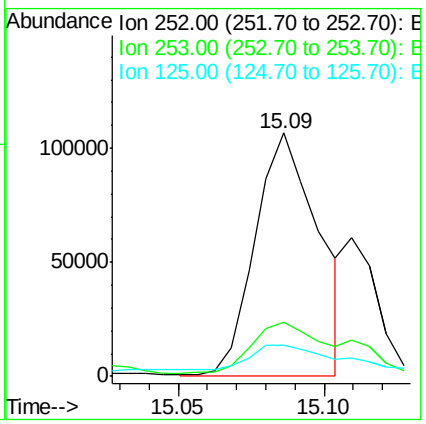




#87
Benzo(b)fluoranthene
Concen: 14.067 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.00 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion:252 Resp: 160941

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	12.7	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
LEW-2-E(4-5)

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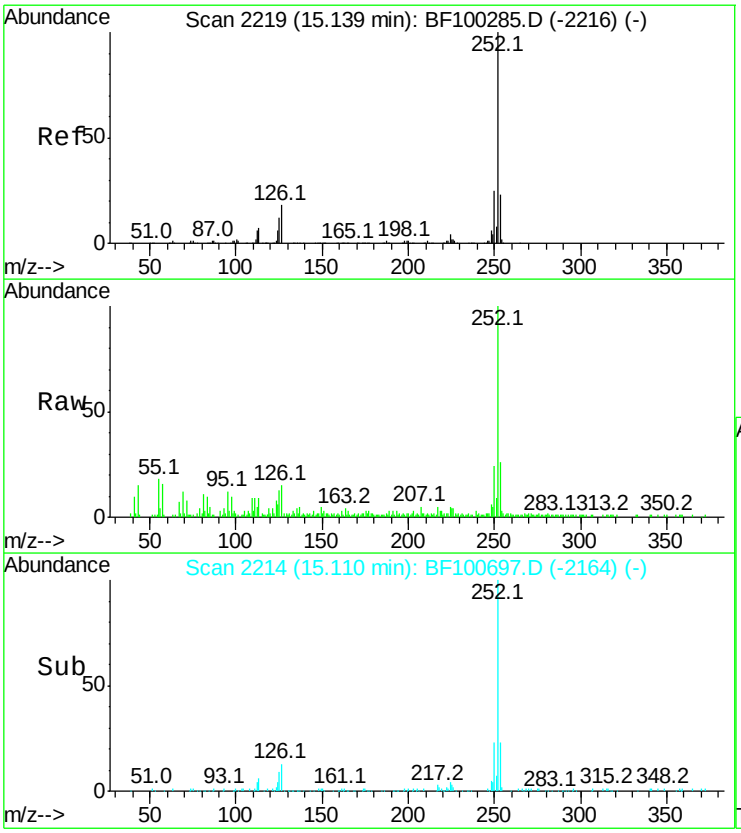
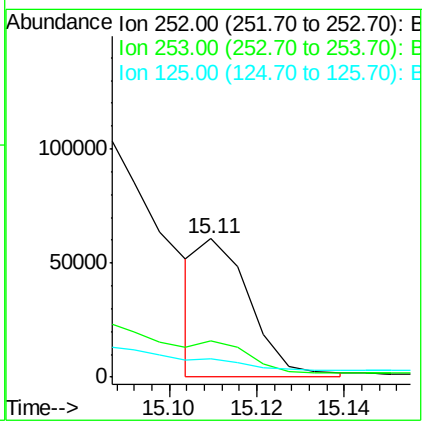
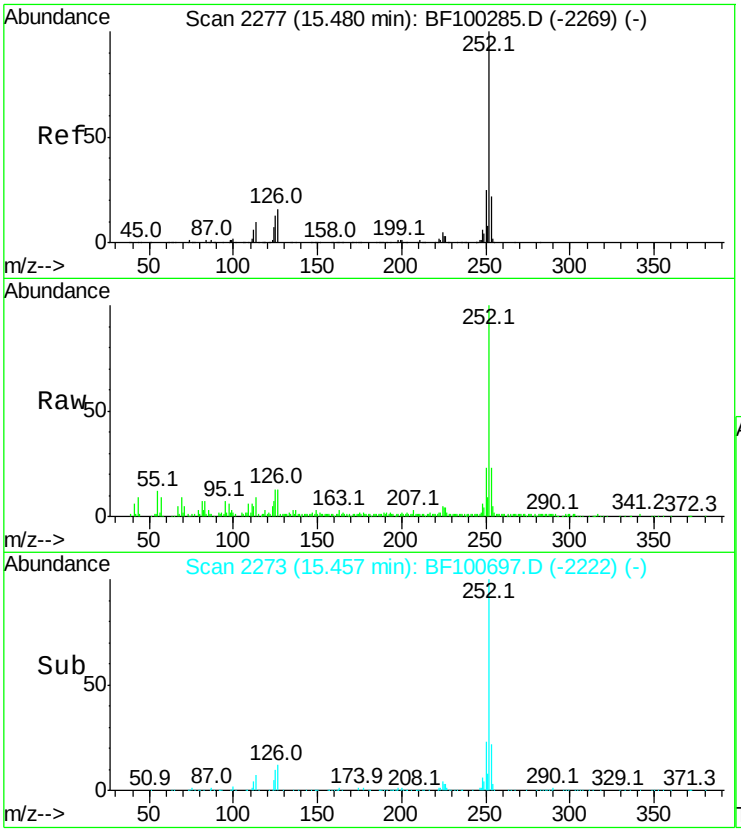


#88
Benzo(k)fluoranthene
Concen: 4.480 ng m
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion:252 Resp: 48425

Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.9	26.9
125	12.9	10.2	15.2

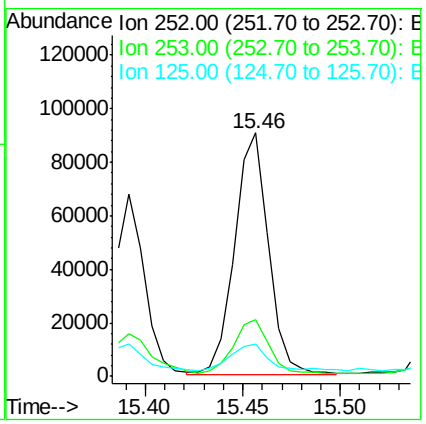




#89
Benzo(a)pyrene
Concen: 10.694 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.00 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion:252 Resp: 108469

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	13.2	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
LEW-2-E(4-5)

Manual Integrations APPROVED
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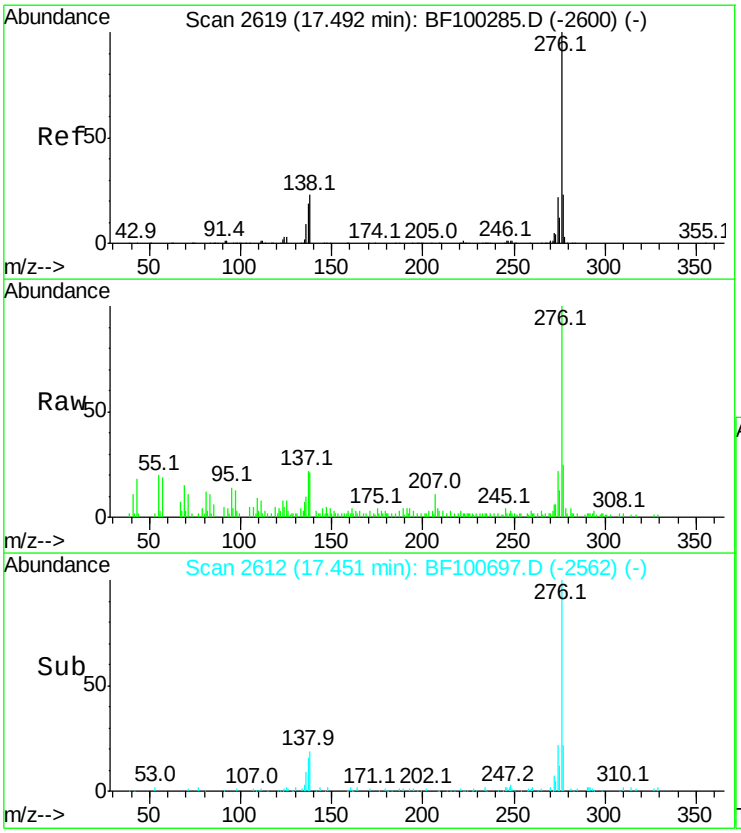

#91
Benzo(g,h,i)perylene
Concen: 6.415 ng
RT: 17.45 min Scan# 2612
Delta R.T. -0.01 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion:276 Resp: 52087

Ion	Ratio	Lower	Upper
276	100		
277	24.6	17.9	26.9
138	21.4	21.8	32.8#