Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111617\
Data File : BF100632.D
Acq On : 16 Nov 2017 15:58
Operator : SJ/JU
Sample : I6302-01DL 50X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-04-111317-ADL

Manual Integrations APPROVED
SOHIL
11/17/2017 1:24:54 PM

Quant Time: Nov 16 16:44:57 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 16 11:34:03 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	113538	20.00	ng		-0.02
21) Naphthalene-d8	8.16	136	458753	20.00	ng		-0.02
38) Acenaphthene-d10	9.92	164	206510	20.00	ng		-0.02
63) Phenanthrene-d10	11.40	188	361235	20.00	ng		-0.02
75) Chrysene-d12	14.04	240	236675	20.00	ng		-0.03
86) Perylene-d12	15.52	264	276153	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.49	112	12569	1.77	ng		-0.02
7) Phenol-d6	6.49	99	17730	2.03	ng		-0.03
23) Nitrobenzene-d5	7.43	82	9972	1.44	ng		-0.04
41) 2,4,6-Tribromophenol	10.70	330	1624	0.77	ng		-0.02
44) 2-Fluorobiphenyl	9.23	172	23584	1.74	ng		-0.03
78) Terphenyl-d14	12.98	244	16412	1.59	ng		-0.03
Target Compounds							Qvalue
31) Naphthalene	8.19	128	61981	2.805	ng		99
37) 2-Methylnaphthalene	8.87	142	29445	2.007	ng		96
51) Acenaphthene	9.95	154	48744	3.732	ng		95
54) Dibenzofuran	10.12	168	53891	2.944	ng		95
57) Fluorene	10.46	166	84788	6.323	ng		98
70) Phenanthrene	11.43	178	443537	23.320	ng		99
71) Anthracene	11.48	178	149962	7.772	ng		98
74) Fluoranthene	12.62	202	383576	19.029	ng		96
77) Pyrene	12.84	202	321980	19.085	ng		98
80) Benzo(a)anthracene	14.03	228	148405	10.413	ng		97
82) Chrysene	14.06	228	123678	8.961	ng		97
85) Indeno(1,2,3-cd)pyrene	16.99	276	63046	5.648	ng	#	91
87) Benzo(b)fluoranthene	15.08	252	157335m	9.617	ng		
88) Benzo(k)fluoranthene	15.10	252	56703m	3.668	ng		
89) Benzo(a)pyrene	15.45	252	123708	8.529	ng		99
91) Benzo(g,h,i)perylene	17.44	276	54731	4.714	ng	#	90

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

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BNA_F
ClientSampleId :
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Manual Integrations APPROVED
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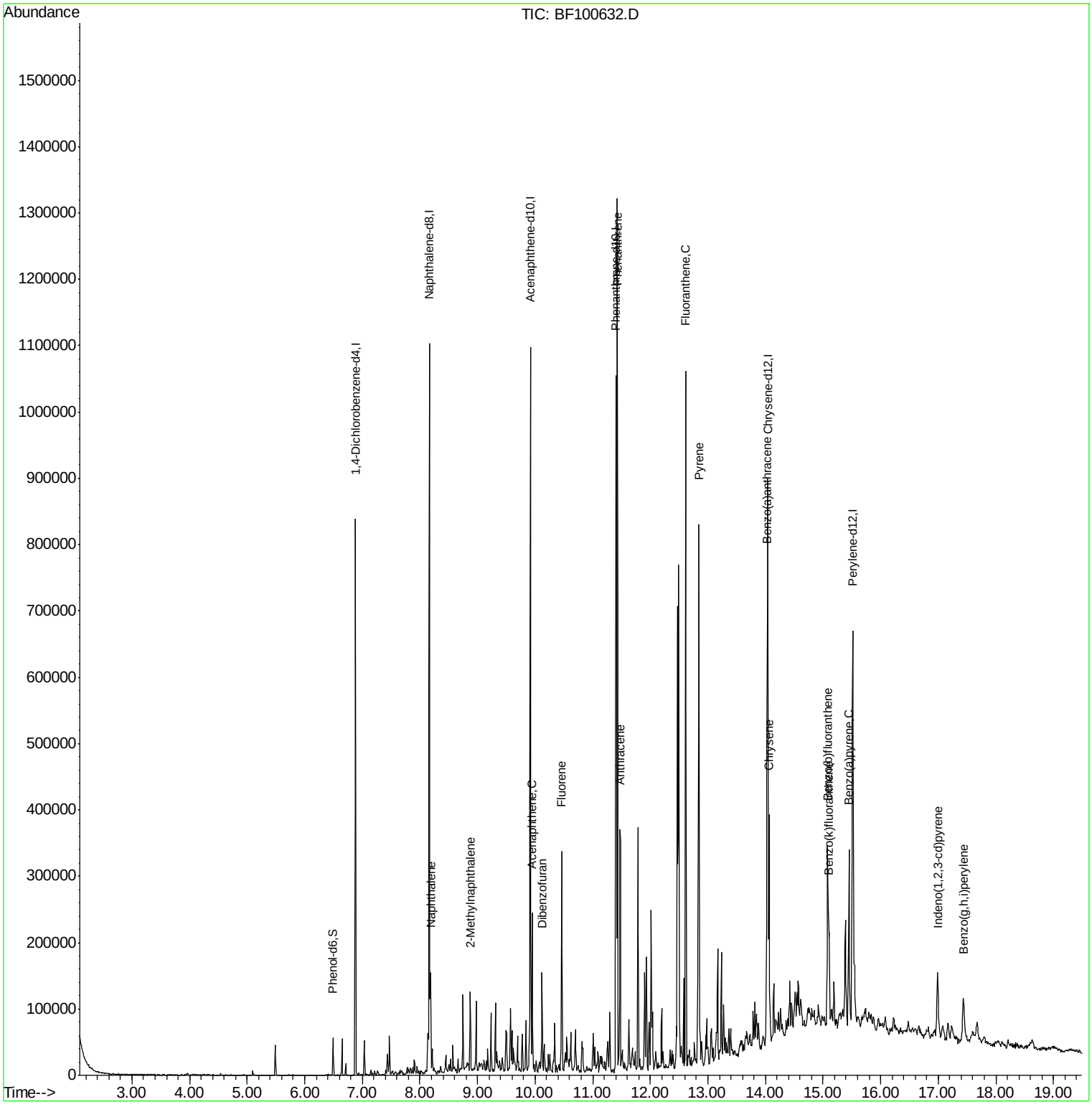
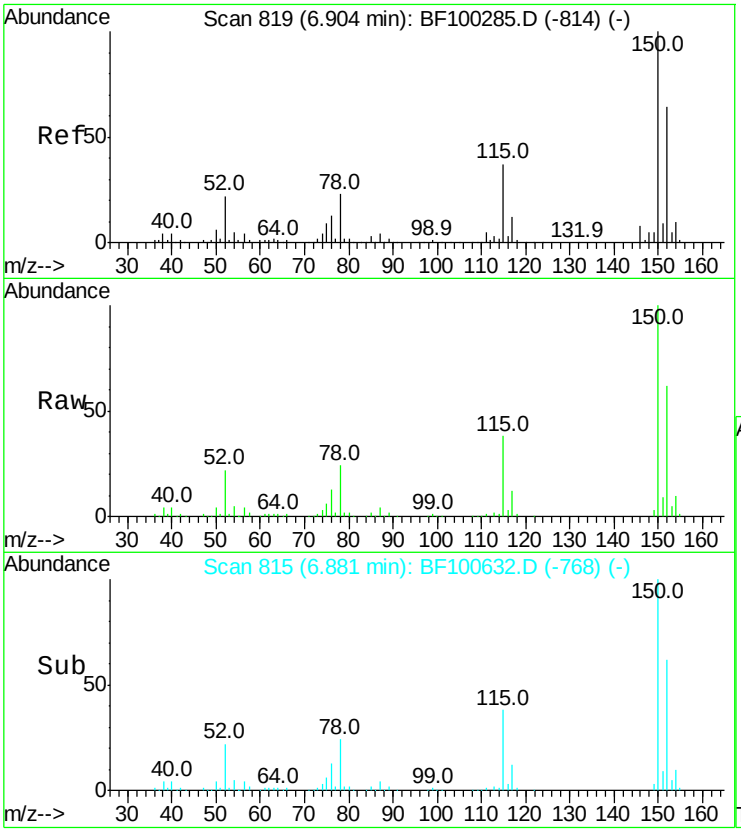
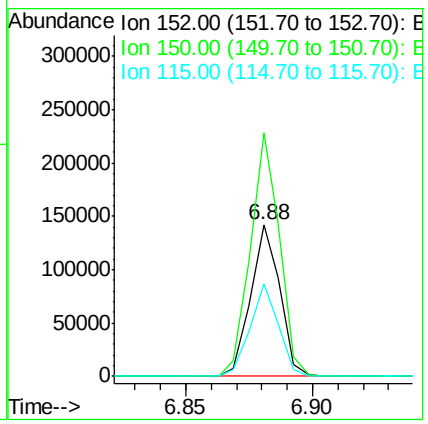




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.02 min
Lab File: BF100632.D
Acq: 16 Nov 2017 15:58

Tgt Ion:152 Resp: 113538

Ion	Ratio	Lower	Upper
152	100		
150	160.7	124.6	186.8
115	61.2	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
HR-04-111317-ADL

Manual Integrations APPROVED
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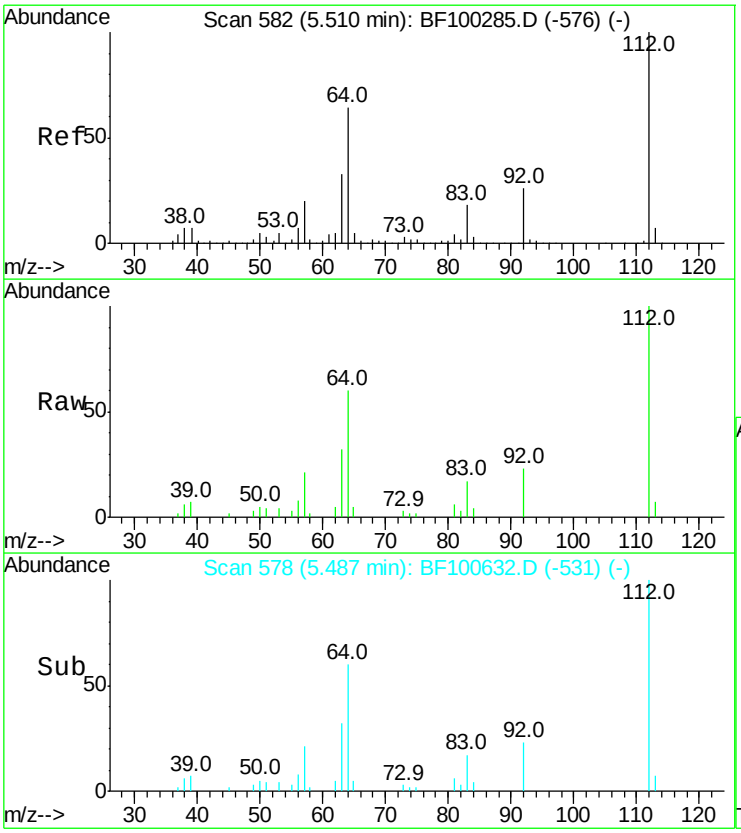
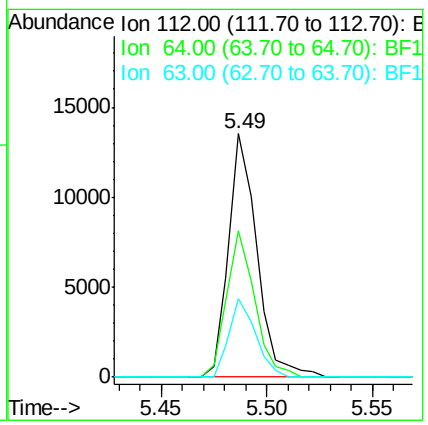
11/17/2017 1:24:54 PM

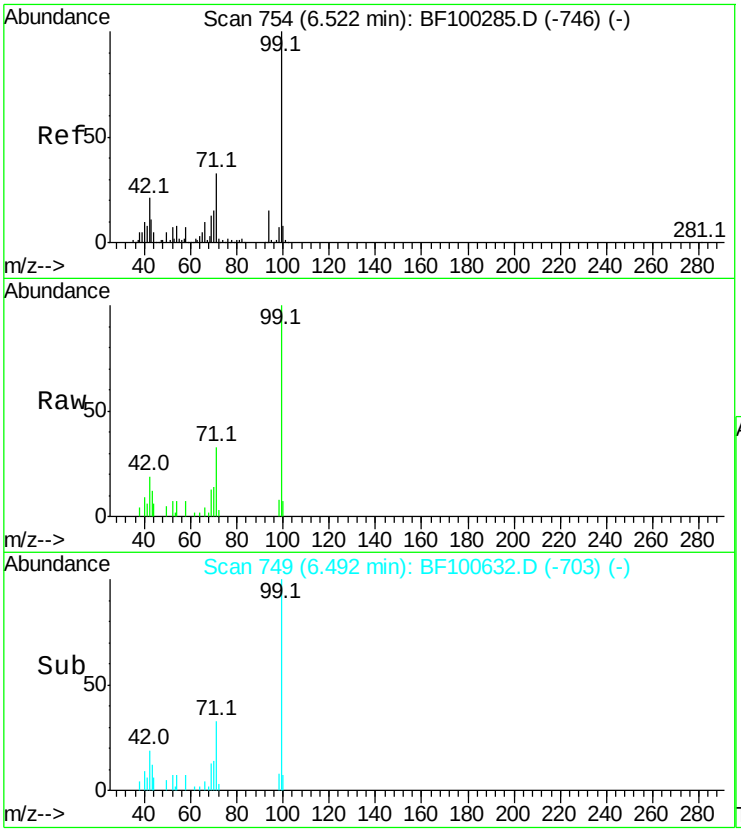


#5
2-Fluorophenol
Concen: 1.775 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.02 min
Lab File: BF100632.D
Acq: 16 Nov 2017 15:58

Tgt Ion:112 Resp: 12569

Ion	Ratio	Lower	Upper
112	100		
64	60.2	47.9	71.9
63	32.2	23.7	35.5

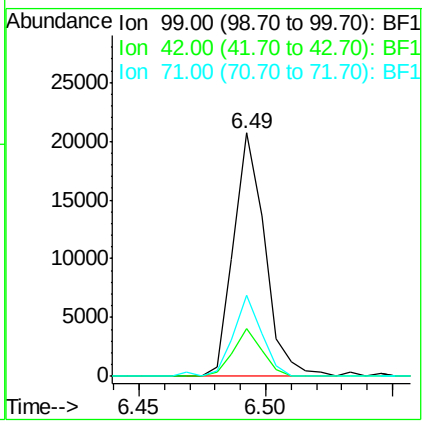




#7
Phenol-d6
Concen: 2.030 ng
RT: 6.49 min Scan# 749
Delta R.T. -0.03 min
Lab File: BF100632.D
Acq: 16 Nov 2017 15:58

Tgt Ion: 99 Resp: 17730

Ion	Ratio	Lower	Upper
99	100		
42	19.5	14.5	21.7
71	33.1	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
HR-04-111317-ADL

Manual Integrations APPROVED
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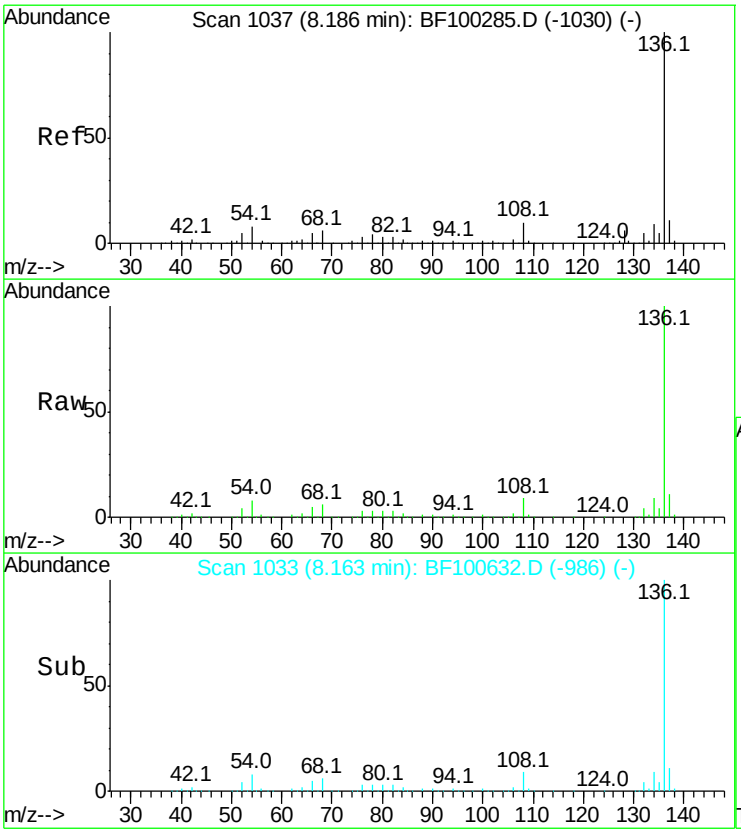
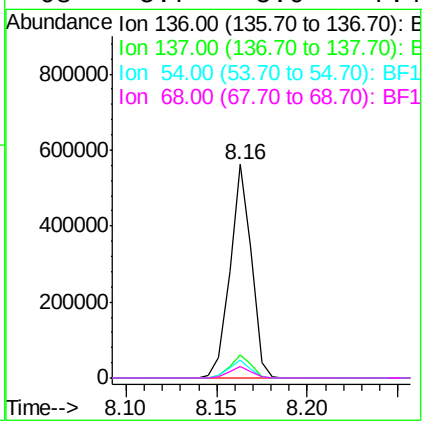
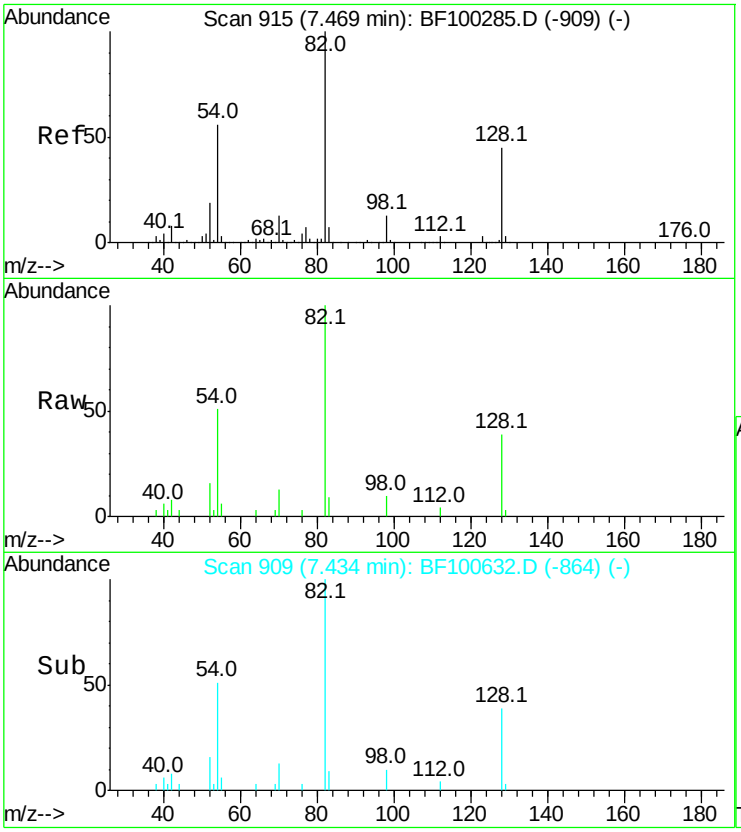


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BF100632.D
Acq: 16 Nov 2017 15:58

Tgt Ion:136 Resp: 458753

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.3	6.6	9.8
68	5.7	5.0	7.4

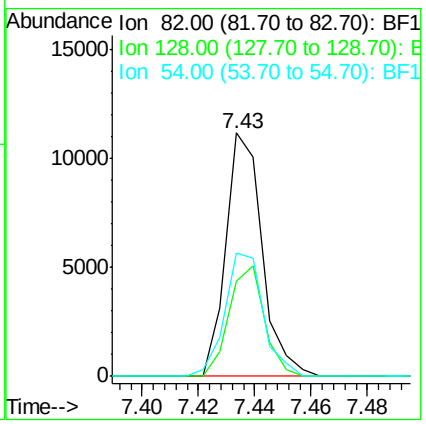




#23
Nitrobenzene-d5
Concen: 1.437 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.04 min
Lab File: BF100632.D
Acq: 16 Nov 2017 15:58

Tgt Ion: 82 Resp: 9972

Ion	Ratio	Lower	Upper
82	100		
128	39.2	36.1	54.1
54	50.6	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
HR-04-111317-ADL

Manual Integrations APPROVED
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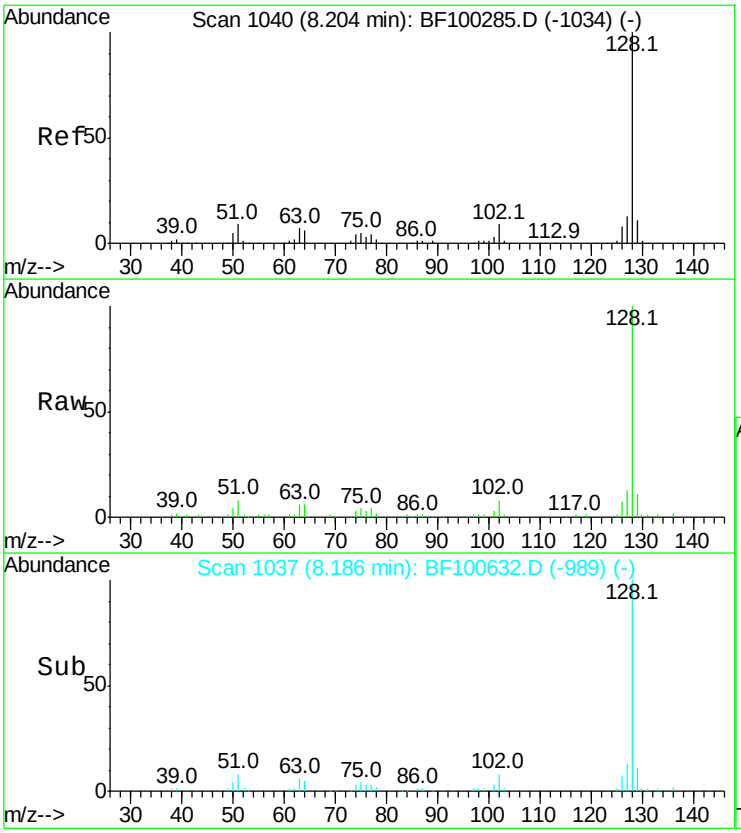
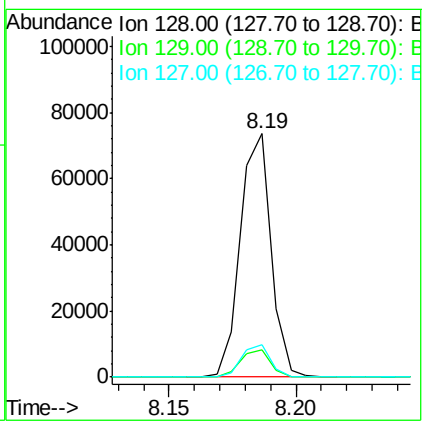
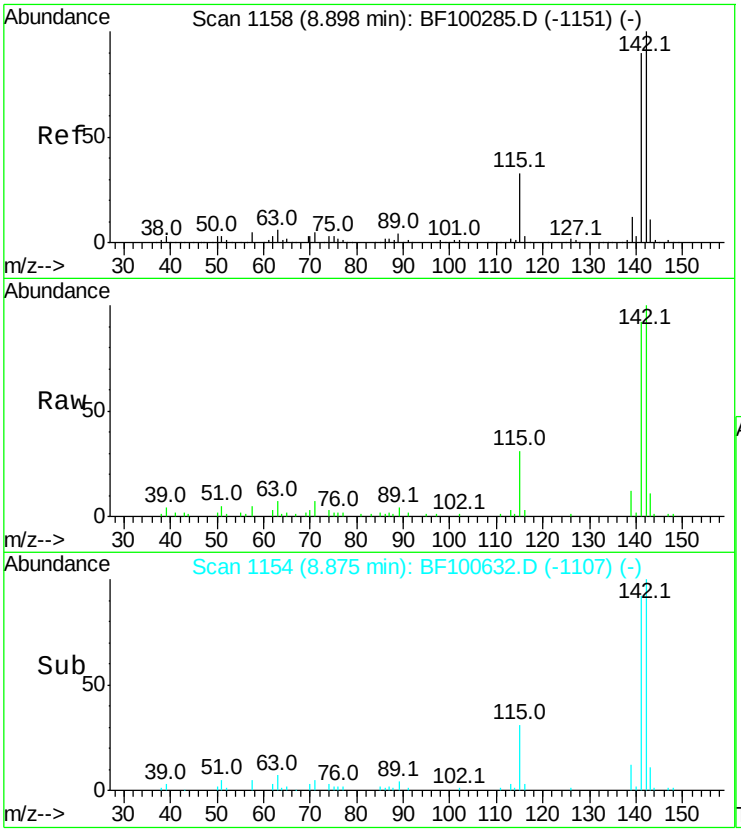


#31
Naphthalene
Concen: 2.805 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.02 min
Lab File: BF100632.D
Acq: 16 Nov 2017 15:58

Tgt Ion:128 Resp: 61981

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.2	10.9	16.3

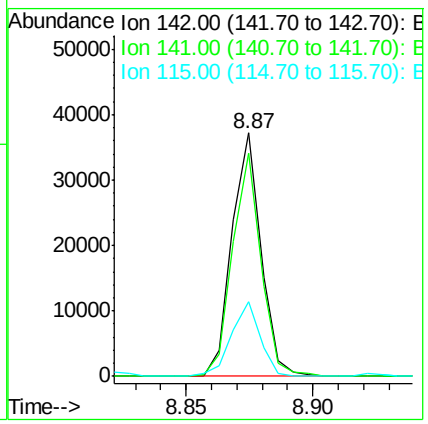




#37
2-Methylnaphthalene
Concen: 2.007 ng
RT: 8.87 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BF100632.D
Acq: 16 Nov 2017 15:58

Tgt Ion:142 Resp: 29445

Ion	Ratio	Lower	Upper
142	100		
141	91.9	70.8	106.2
115	30.7	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
HR-04-111317-ADL

Manual Integrations APPROVED
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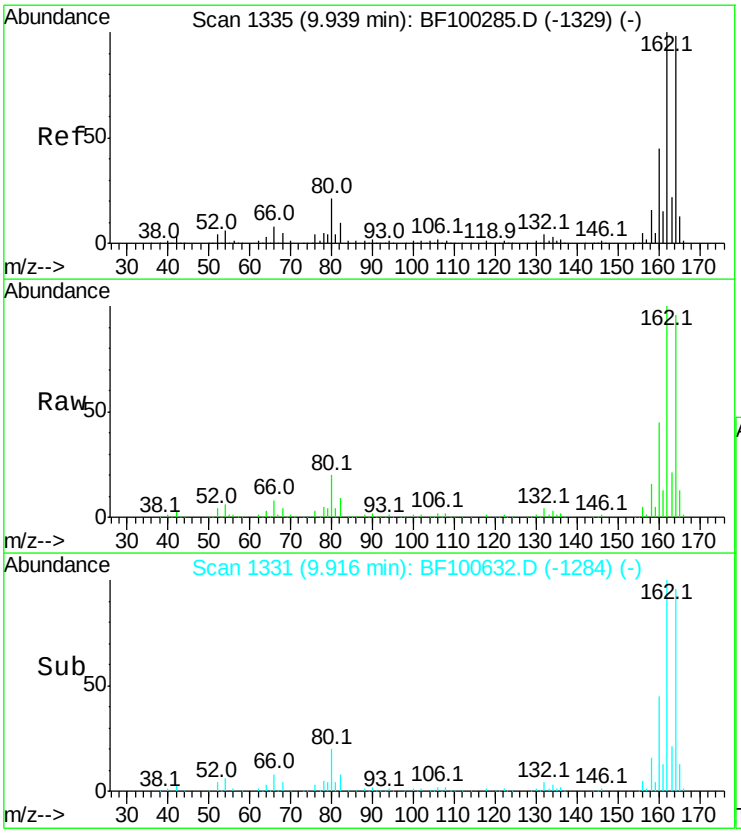
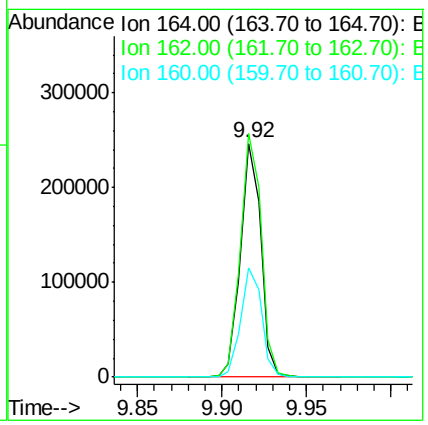
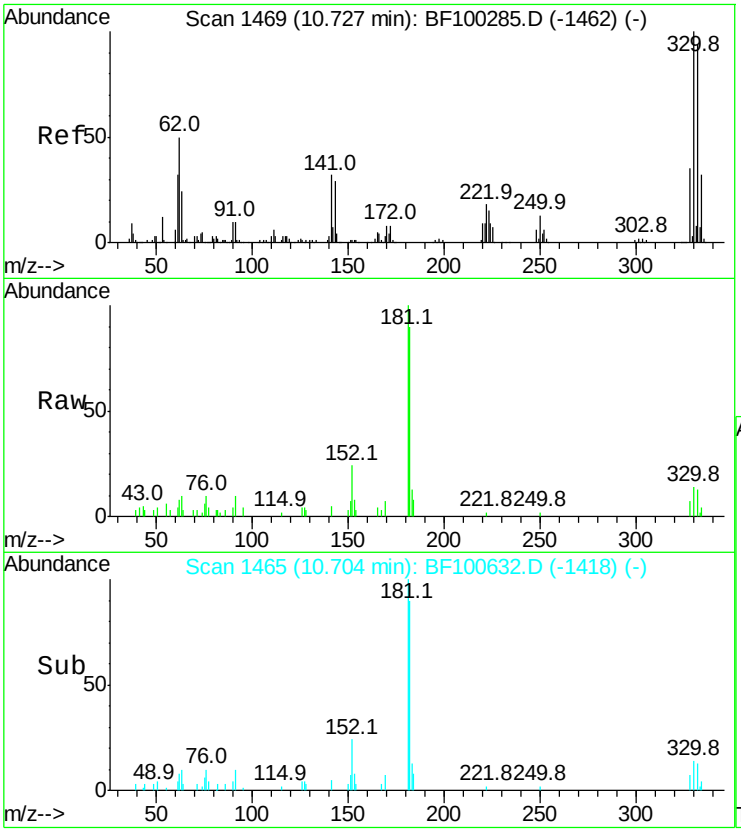


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF100632.D
Acq: 16 Nov 2017 15:58

Tgt Ion:164 Resp: 206510

Ion	Ratio	Lower	Upper
164	100		
162	104.2	86.1	129.1
160	46.8	38.3	57.5

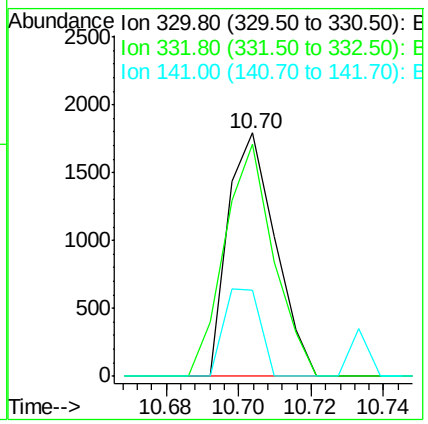




#41
2,4,6-Tribromophenol
Concen: 0.772 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.02 min
Lab File: BF100632.D
Acq: 16 Nov 2017 15:58

Tgt Ion:330 Resp: 1624

Ion	Ratio	Lower	Upper
330	100		
332	99.1	77.0	115.6
141	27.8	29.9	44.9#



Instrument :
BNA_F
ClientSampleId :
HR-04-111317-ADL

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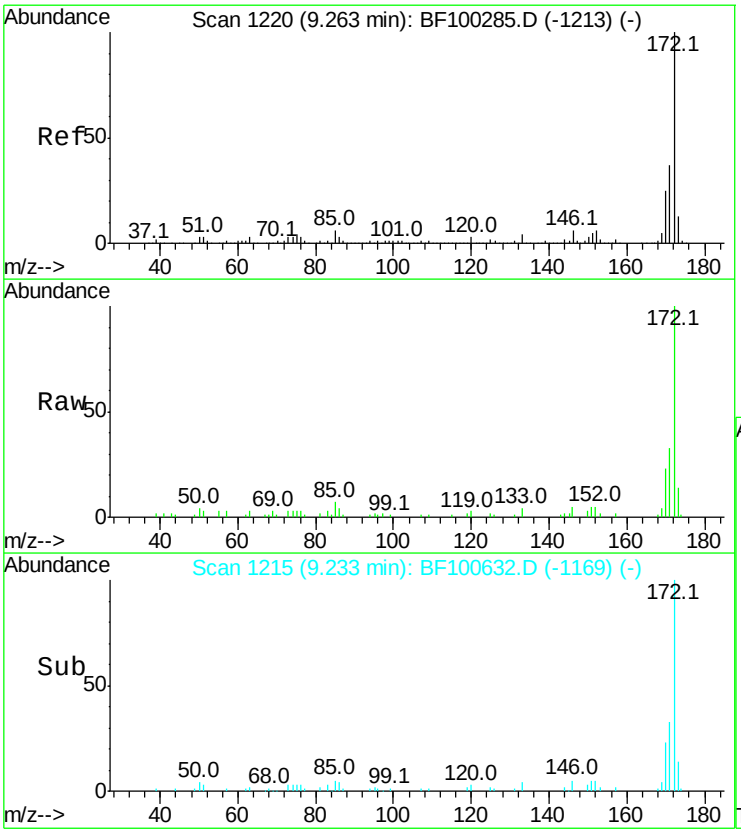
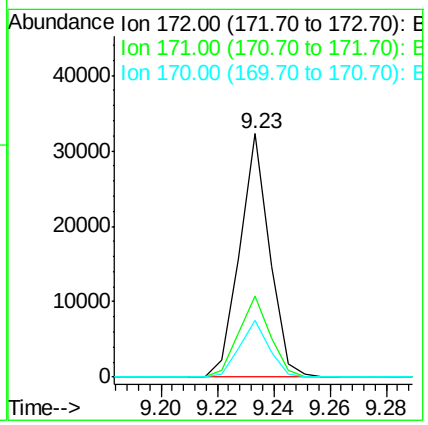
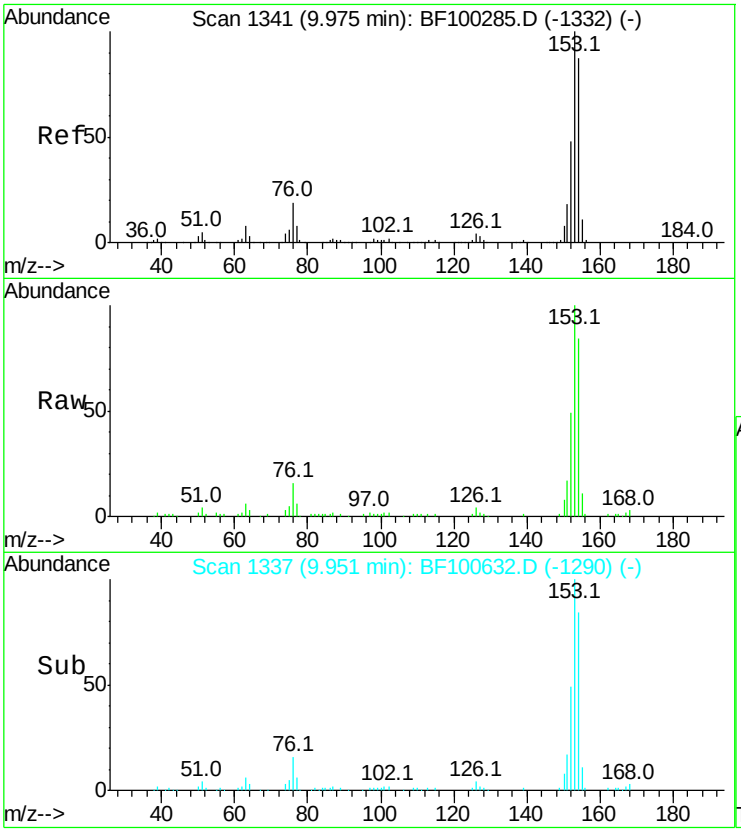


#44
2-Fluorobiphenyl
Concen: 1.739 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.03 min
Lab File: BF100632.D
Acq: 16 Nov 2017 15:58

Tgt Ion:172 Resp: 23584

Ion	Ratio	Lower	Upper
172	100		
171	33.0	29.7	44.5
170	23.3	19.6	29.4

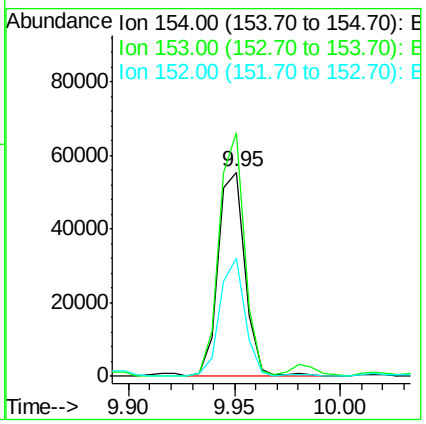




#51
Acenaphthene
Concen: 3.732 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.02 min
Lab File: BF100632.D
Acq: 16 Nov 2017 15:58

Tgt Ion:154 Resp: 48744

Ion	Ratio	Lower	Upper
154	100		
153	119.2	91.2	136.8
152	58.1	43.8	65.8



Instrument :
BNA_F
ClientSampleId :
HR-04-111317-ADL

Manual Integrations APPROVED
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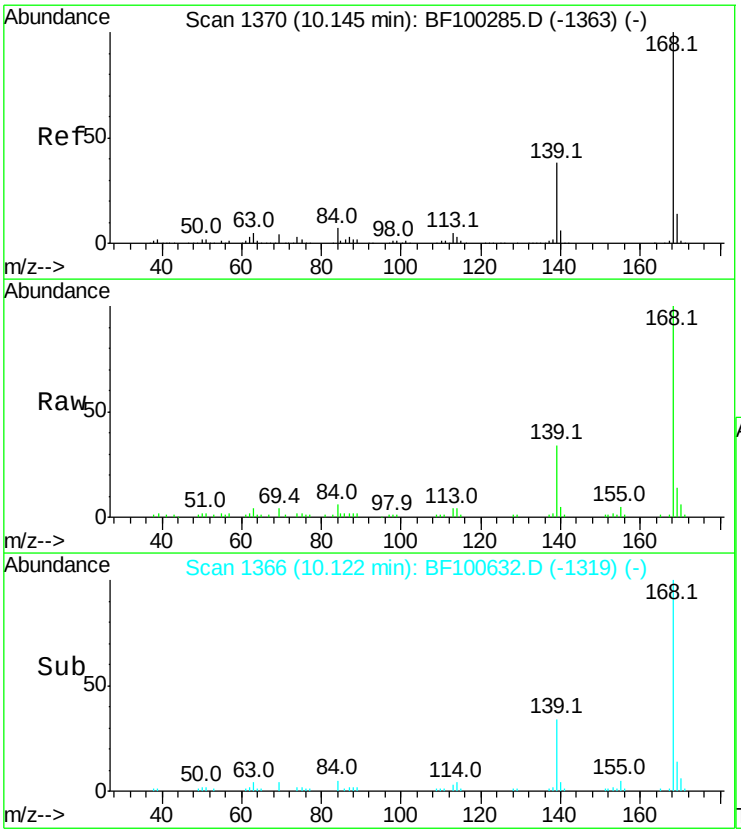
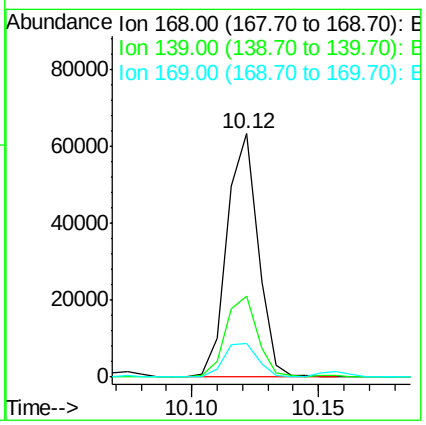
11/17/2017 1:24:54 PM

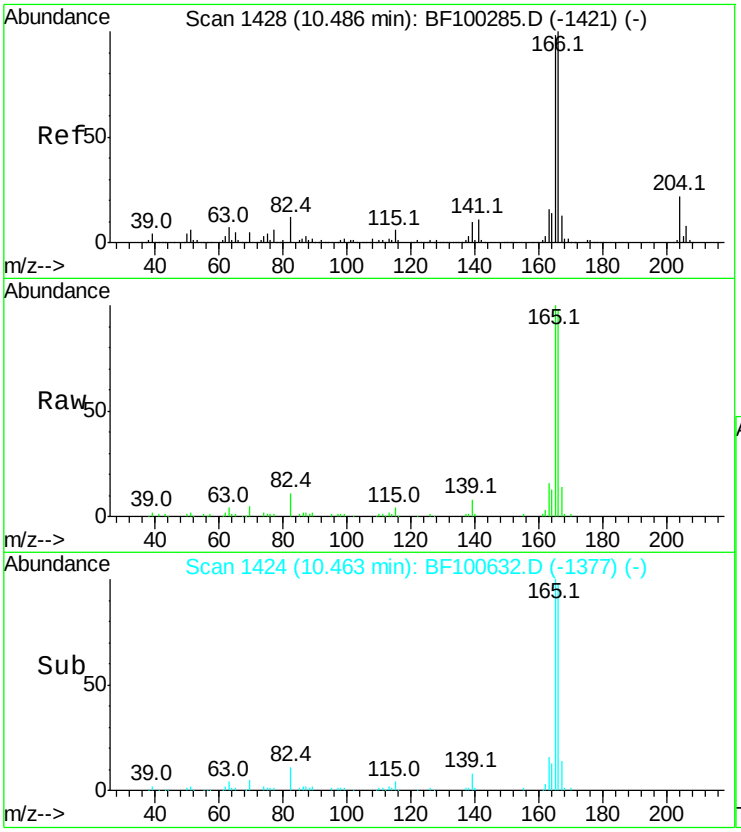


#54
Dibenzofuran
Concen: 2.944 ng
RT: 10.12 min Scan# 1366
Delta R.T. -0.02 min
Lab File: BF100632.D
Acq: 16 Nov 2017 15:58

Tgt Ion:168 Resp: 53891

Ion	Ratio	Lower	Upper
168	100		
139	33.5	30.1	45.1
169	14.1	10.9	16.3

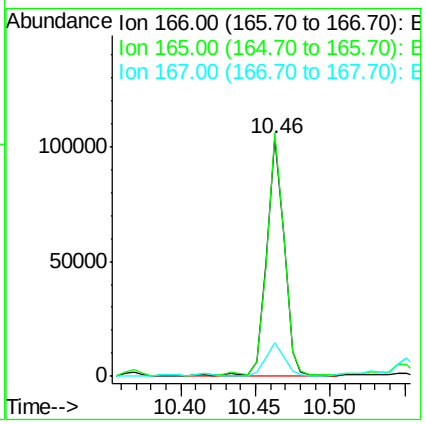




#57
Fluorene
Concen: 6.323 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.02 min
Lab File: BF100632.D
Acq: 16 Nov 2017 15:58

Tgt Ion:166 Resp: 84788

Ion	Ratio	Lower	Upper
166	100		
165	102.3	79.8	119.8
167	14.0	10.6	16.0



Instrument :
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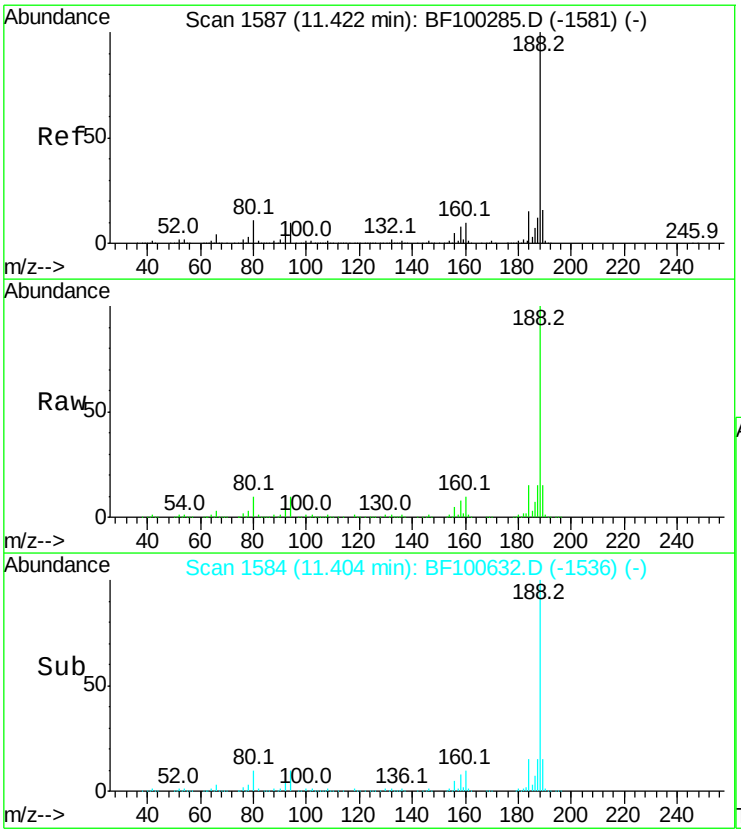
ClientSampleId :
HR-04-111317-ADL

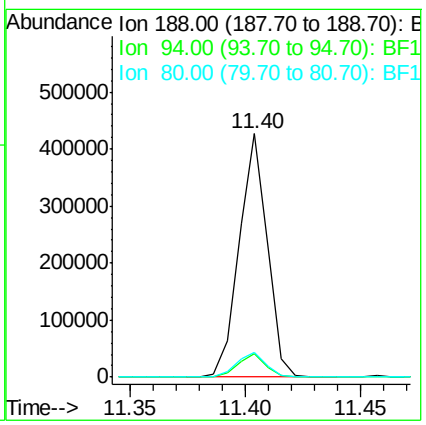
Manual Integrations APPROVED
SOHIL
11/17/2017 1:24:54 PM

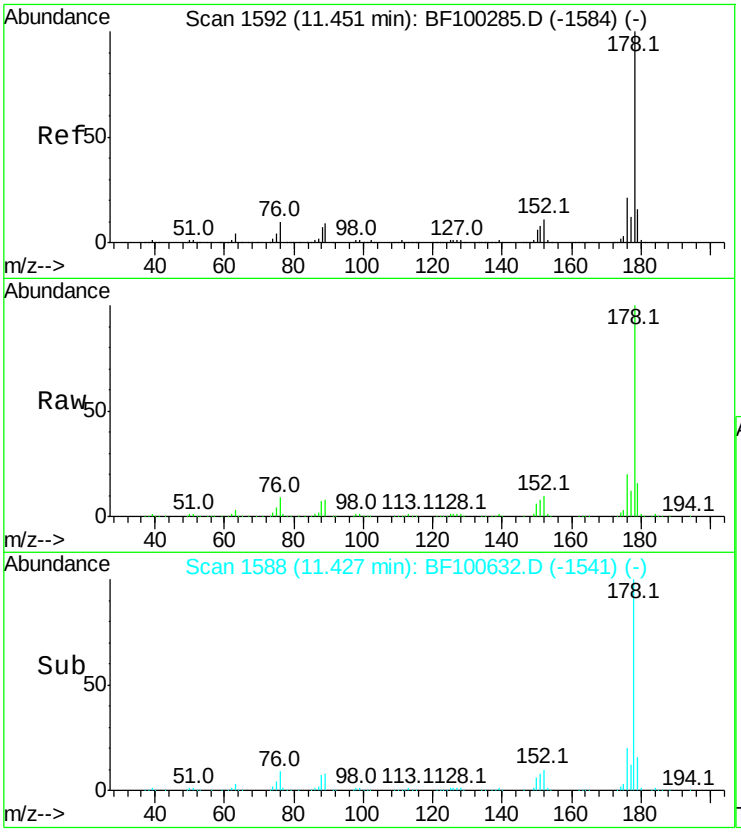


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.02 min
Lab File: BF100632.D
Acq: 16 Nov 2017 15:58

Tgt Ion:188 Resp: 361235

Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	10.0	9.2	13.8

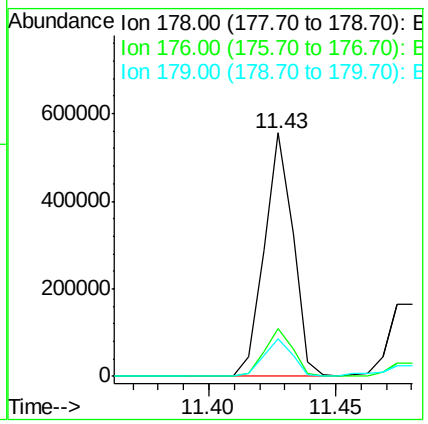




#70
Phenanthrene
Concen: 23.320 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.02 min
Lab File: BF100632.D
Acq: 16 Nov 2017 15:58

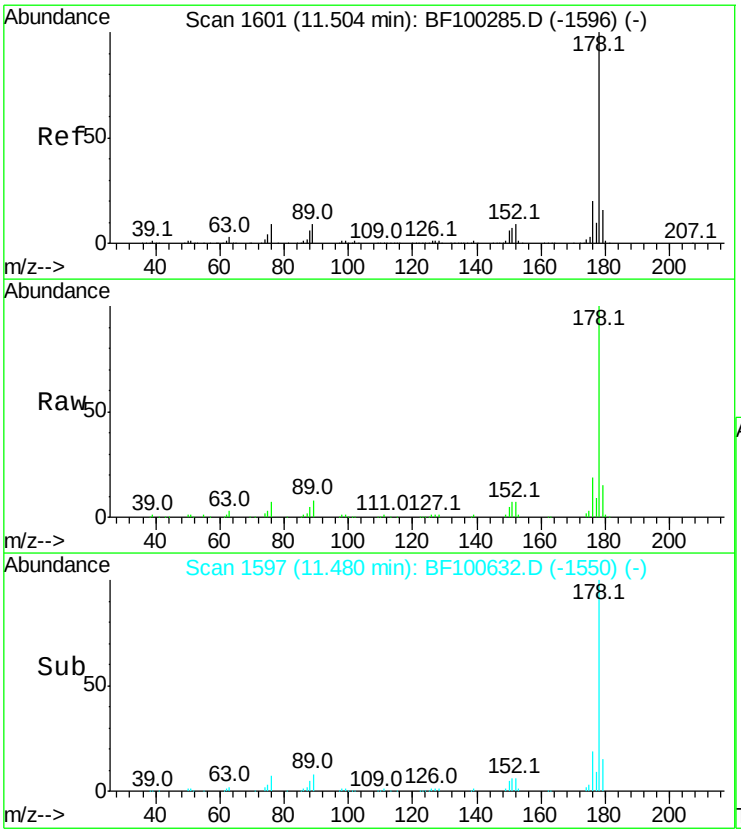
Tgt Ion:178 Resp: 443537

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.7	13.0	19.6



Instrument :
BNA_F
ClientSampleId :
HR-04-111317-ADL

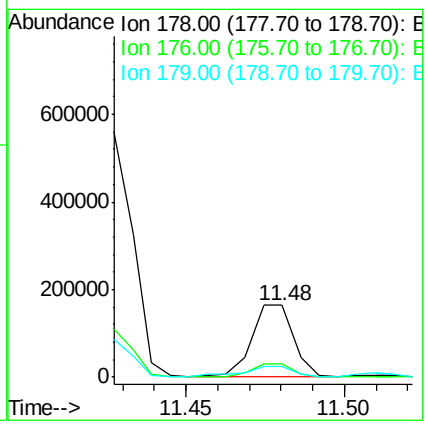
Manual Integrations APPROVED
SOHIL
11/17/2017 1:24:54 PM

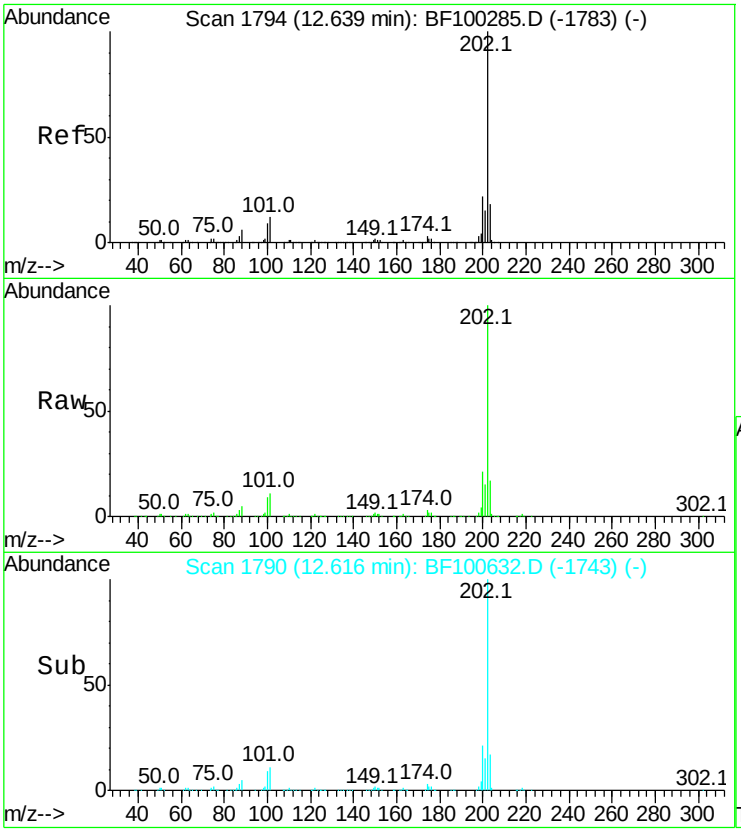


#71
Anthracene
Concen: 7.772 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.02 min
Lab File: BF100632.D
Acq: 16 Nov 2017 15:58

Tgt Ion:178 Resp: 149962

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	14.9	12.6	19.0

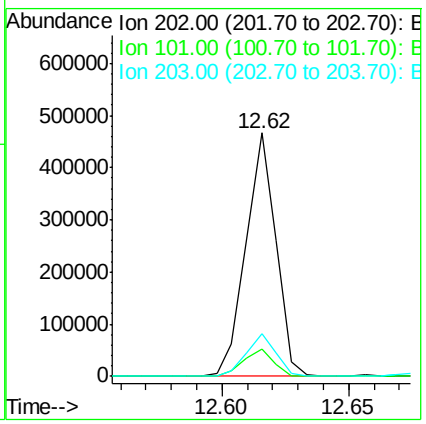




#74
Fluoranthene
Concen: 19.029 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.02 min
Lab File: BF100632.D
Acq: 16 Nov 2017 15:58

Tgt Ion:202 Resp: 383576

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	34.1
203	17.4	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
HR-04-111317-ADL

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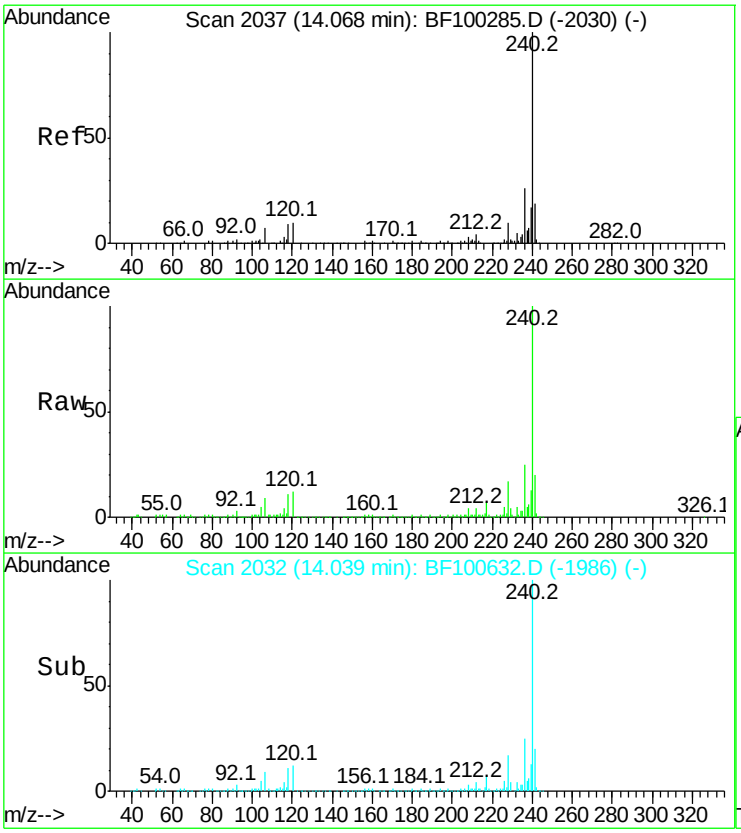
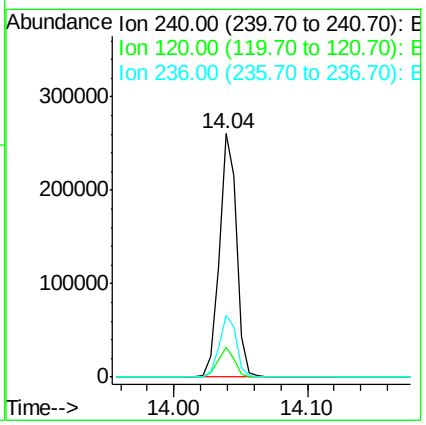
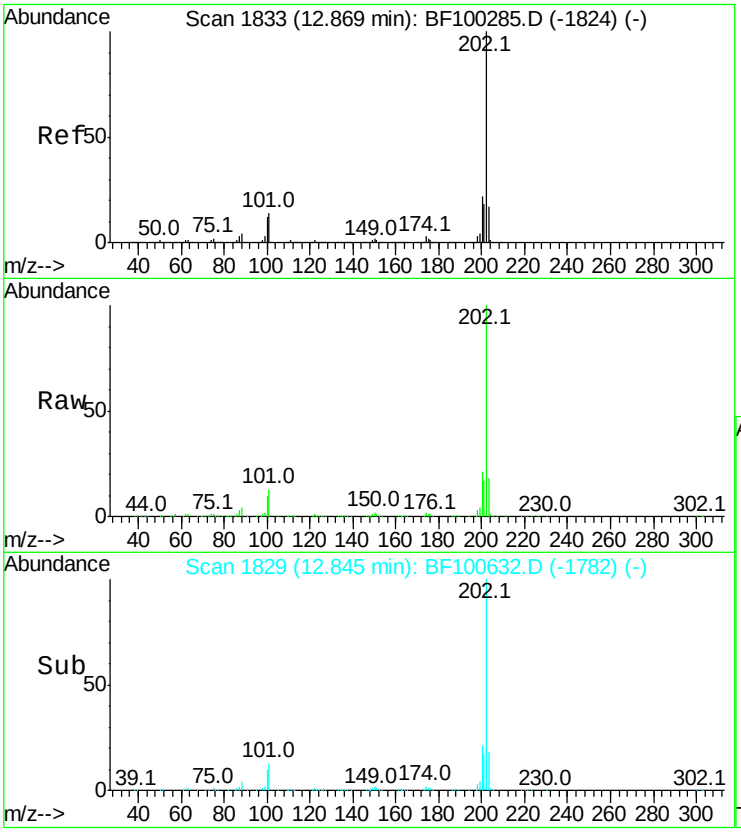


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.03 min
Lab File: BF100632.D
Acq: 16 Nov 2017 15:58

Tgt Ion:240 Resp: 236675

Ion	Ratio	Lower	Upper
240	100		
120	12.4	9.5	14.3
236	25.3	20.7	31.1

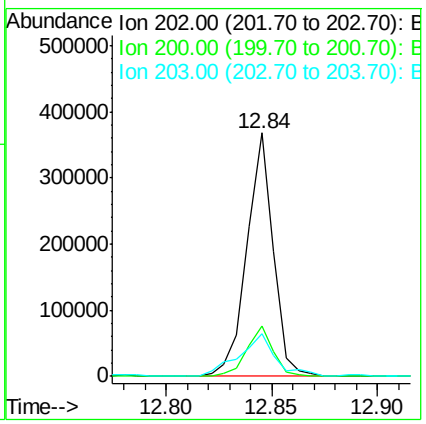




#77
Pyrene
Concen: 19.085 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.02 min
Lab File: BF100632.D
Acq: 16 Nov 2017 15:58

Tgt Ion:202 Resp: 321980

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.4	26.2
203	17.6	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
HR-04-111317-ADL

Manual Integrations APPROVED
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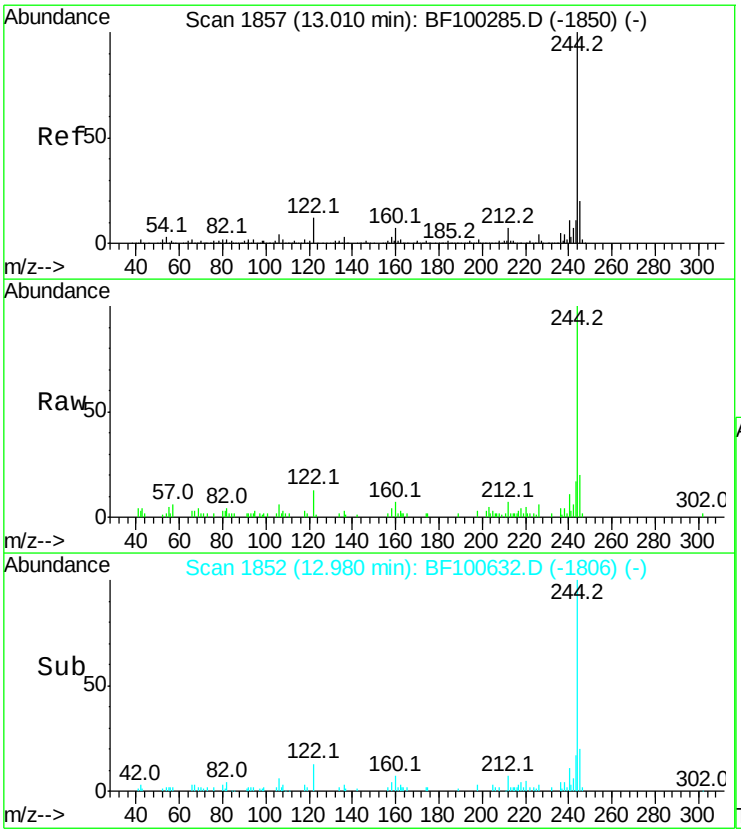
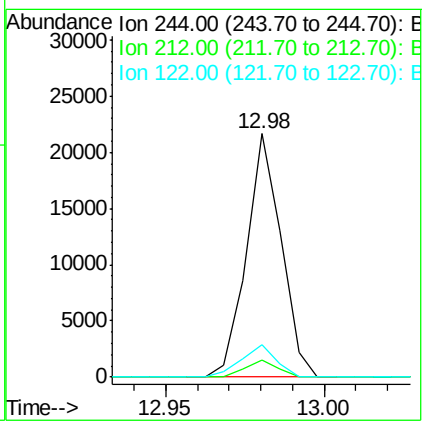
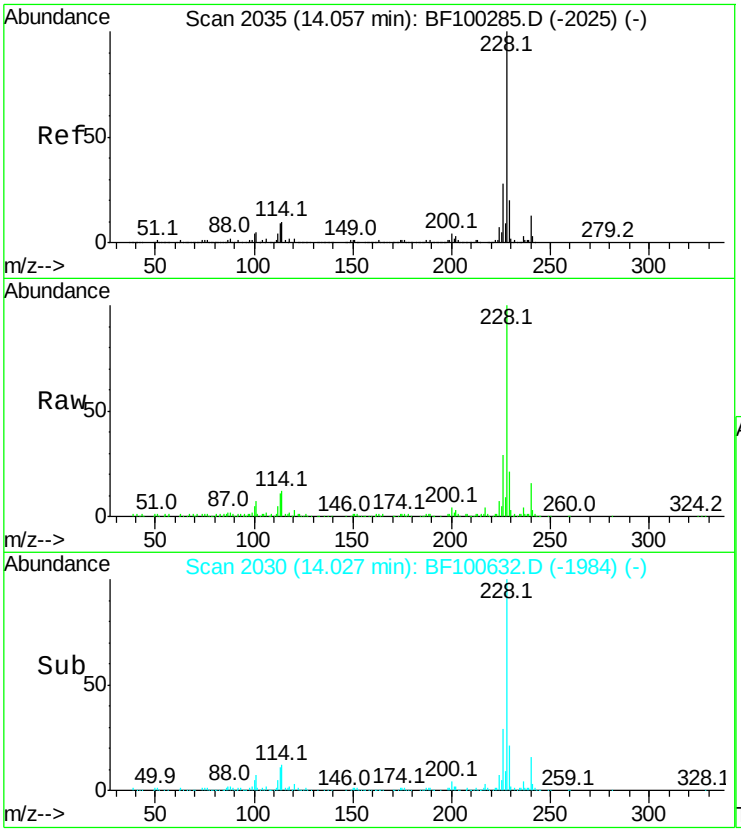


#78
Terphenyl-d14
Concen: 1.593 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.03 min
Lab File: BF100632.D
Acq: 16 Nov 2017 15:58

Tgt Ion:244 Resp: 16412

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	13.4	11.0	16.4

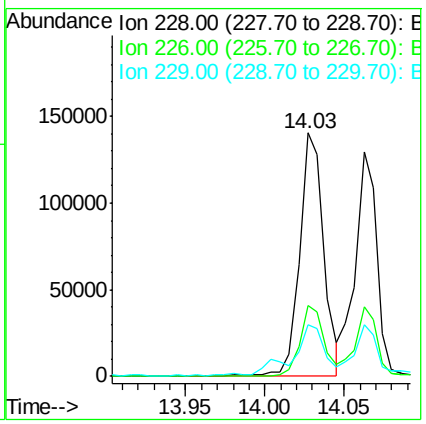




#80
Benzo(a)anthracene
Concen: 10.413 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.03 min
Lab File: BF100632.D
Acq: 16 Nov 2017 15:58

Tgt Ion:228 Resp: 148405

Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	33.8
229	21.4	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
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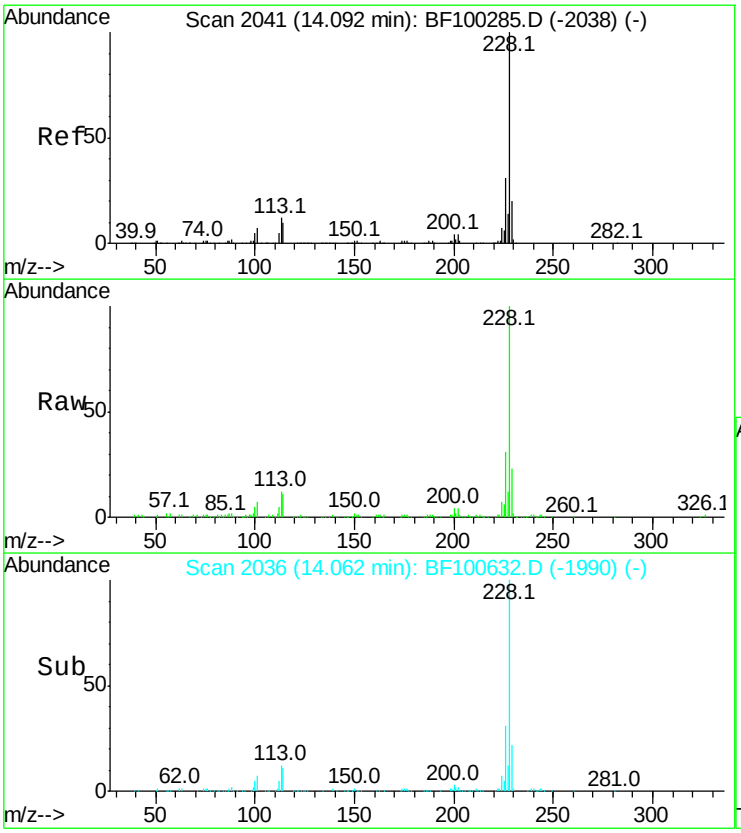
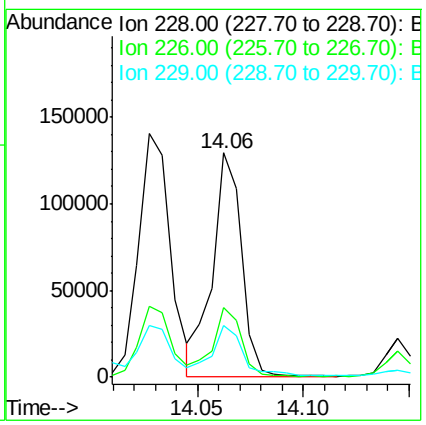
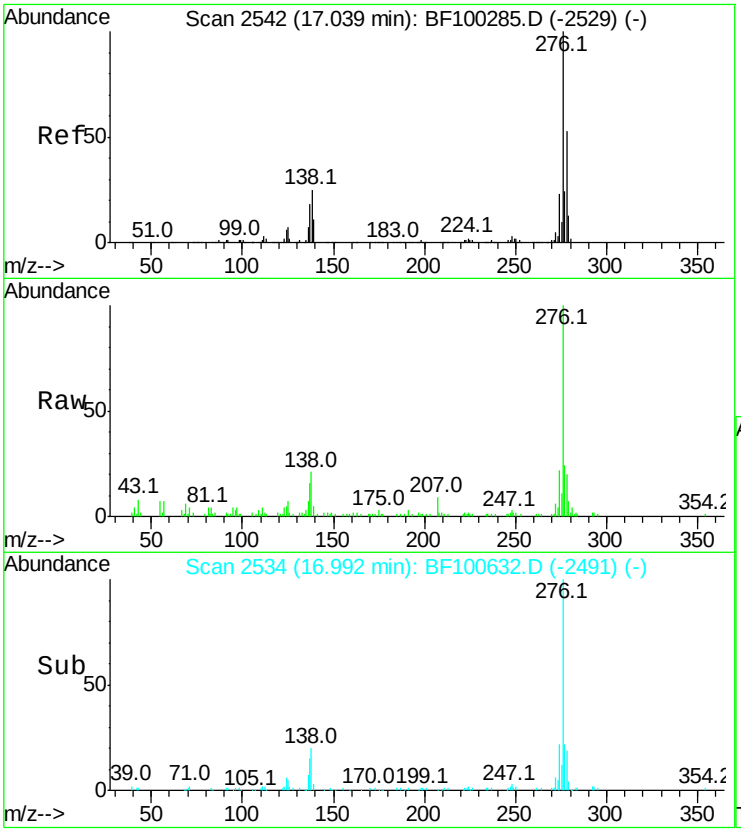


#82
Chrysene
Concen: 8.961 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.03 min
Lab File: BF100632.D
Acq: 16 Nov 2017 15:58

Tgt Ion:228 Resp: 123678

Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	23.2	16.2	24.4





#85
Indeno(1,2,3-cd)pyrene
Concen: 5.648 ng
RT: 16.99 min Scan# 2534
Delta R.T. -0.05 min
Lab File: BF100632.D
Acq: 16 Nov 2017 15:58

Tgt Ion:276 Resp: 63046

Ion	Ratio	Lower	Upper
276	100		
138	24.4	25.0	37.6#
277	27.0	20.1	30.1

Instrument :
BNA_F
ClientSampleId :
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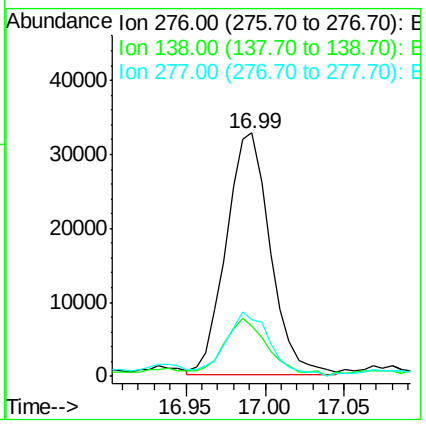
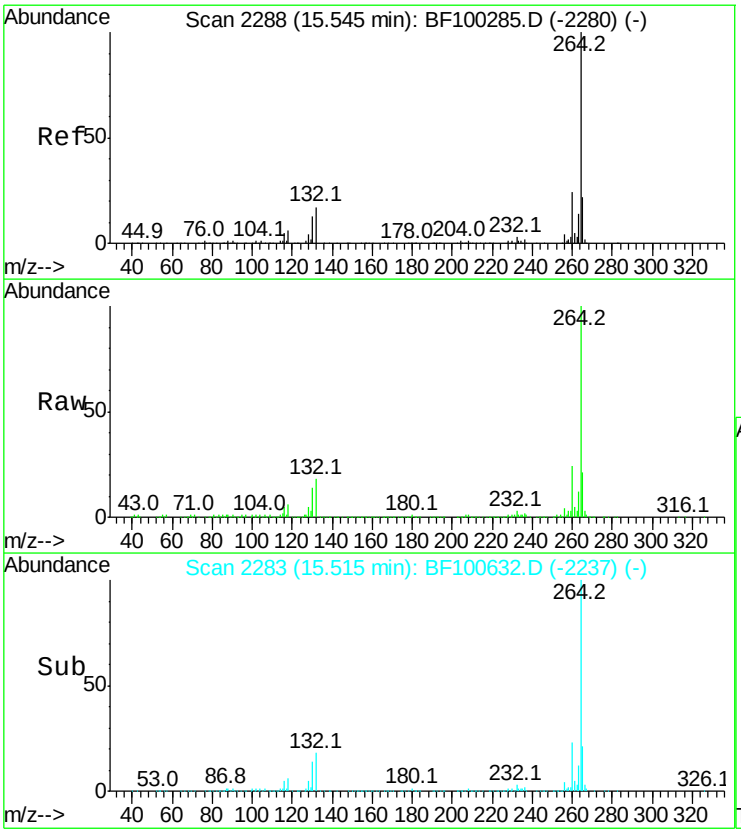
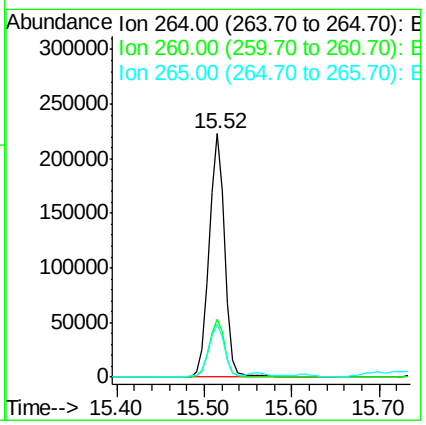


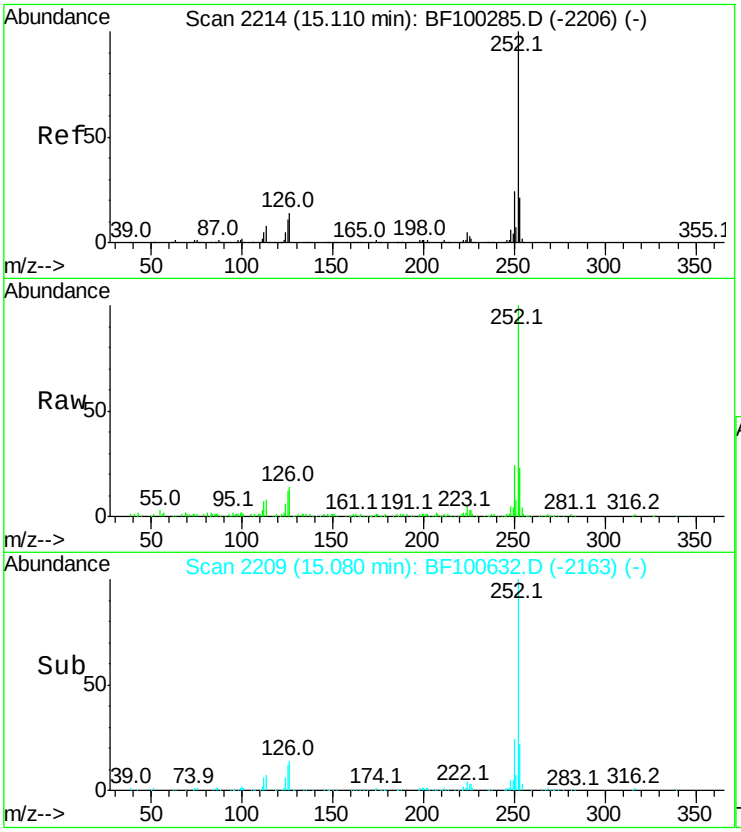


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.03 min
Lab File: BF100632.D
Acq: 16 Nov 2017 15:58

Tgt Ion:264 Resp: 276153

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.5	17.5	26.3

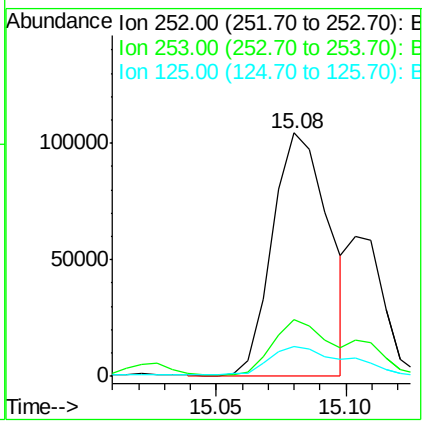




#87
Benzo(b)fluoranthene
Concen: 9.617 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.03 min
Lab File: BF100632.D
Acq: 16 Nov 2017 15:58

Tgt Ion:252 Resp: 157335

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	12.2	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
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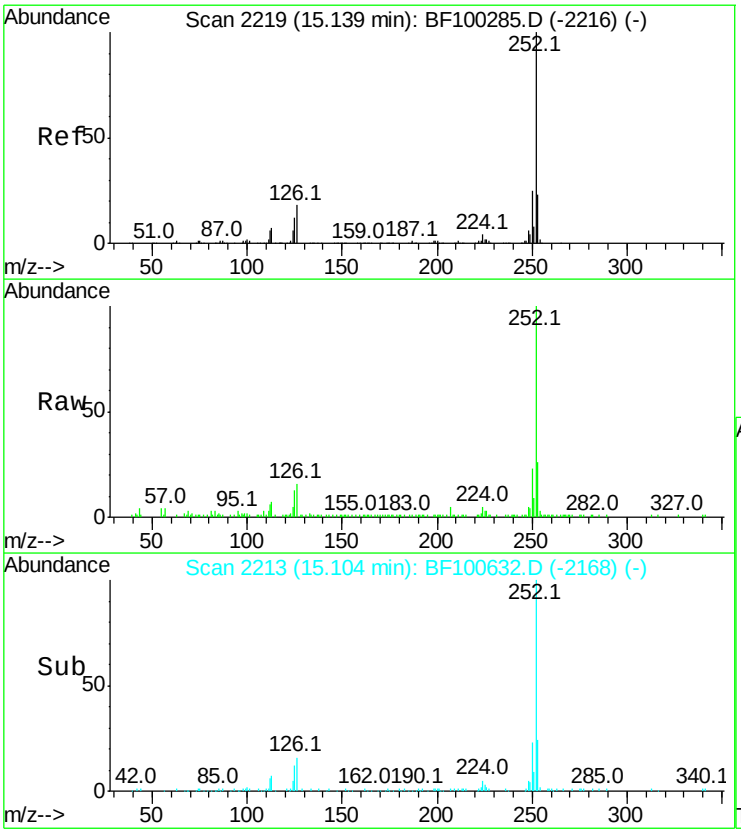
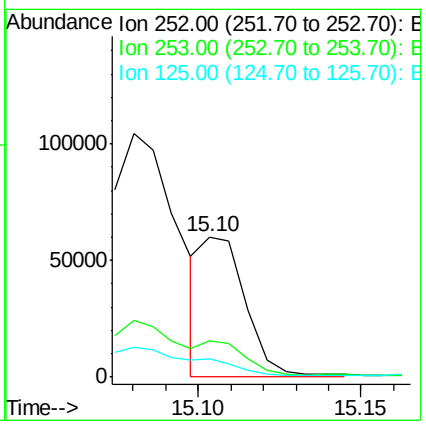
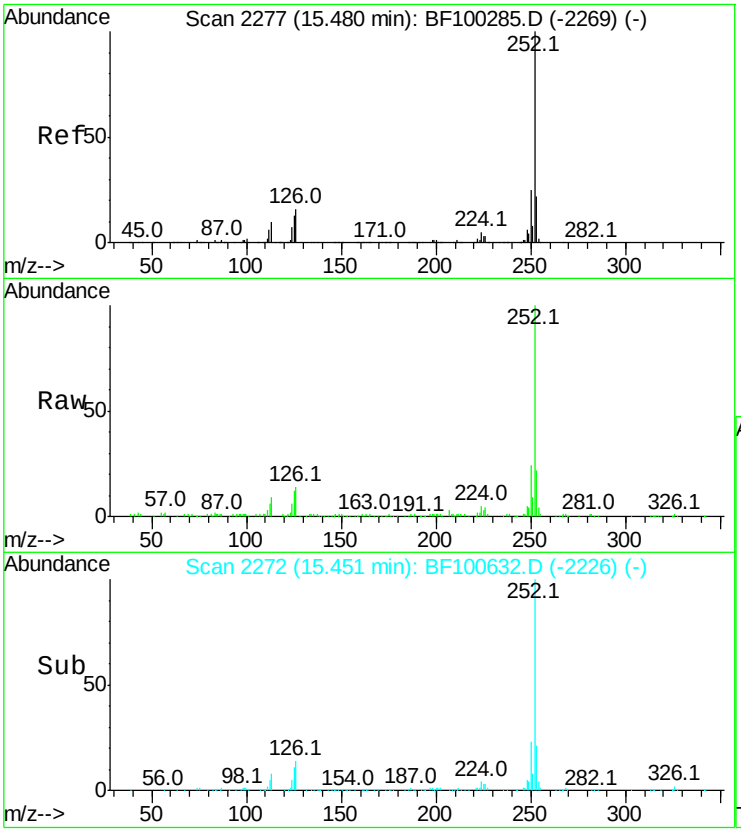


#88
Benzo(k)fluoranthene
Concen: 3.668 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.04 min
Lab File: BF100632.D
Acq: 16 Nov 2017 15:58

Tgt Ion:252 Resp: 56703

Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.9	26.9
125	13.2	10.2	15.2

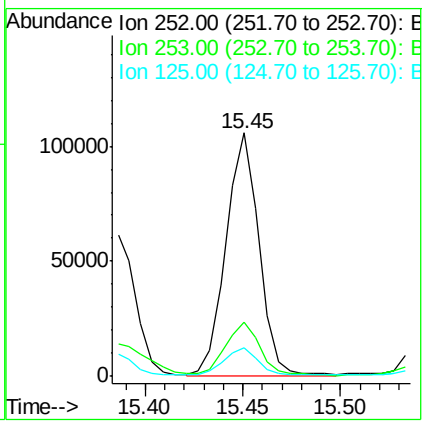




#89
Benzo(a)pyrene
Concen: 8.529 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.03 min
Lab File: BF100632.D
Acq: 16 Nov 2017 15:58

Tgt Ion:252 Resp: 123708

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	11.9	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
HR-04-111317-ADL

Manual Integrations APPROVED
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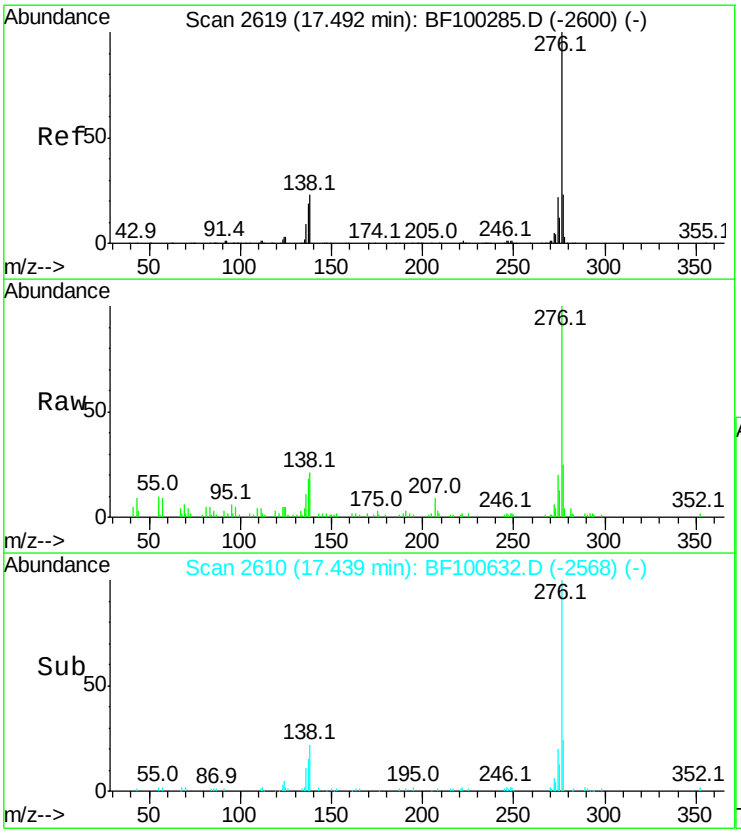

#91
Benzo(g,h,i)perylene
Concen: 4.714 ng
RT: 17.44 min Scan# 2610
Delta R.T. -0.05 min
Lab File: BF100632.D
Acq: 16 Nov 2017 15:58

Tgt Ion:276 Resp: 54731

Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	21.0	21.8	32.8#