Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100945.D
Acq On : 28 Nov 2017 20:20
Operator : SJ/JU
Sample : I6579-02 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAR-4-E(4-5)

Manual Integrations APPROVED
Sohil
11/29/2017 4:29:05 PM

Quant Time: Nov 29 07:35:55 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 28 15:21:02 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	60766	20.00	ng		0.00
21) Naphthalene-d8	8.14	136	218133	20.00	ng		0.00
38) Acenaphthene-d10	9.89	164	89686	20.00	ng		0.00
63) Phenanthrene-d10	11.38	188	137213	20.00	ng		0.00
75) Chrysene-d12	14.03	240	133759	20.00	ng		0.00
86) Perylene-d12	15.50	264	120089	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.47	112	65619	17.31	ng		0.00
7) Phenol-d6	6.48	99	77174	16.51	ng		-0.01
23) Nitrobenzene-d5	7.42	82	45350	13.75	ng		-0.01
41) 2,4,6-Tribromophenol	10.68	330	14674	16.06	ng		0.00
44) 2-Fluorobiphenyl	9.21	172	104362	17.72	ng		0.00
78) Terphenyl-d14	12.96	244	80588	13.84	ng		0.00
Target Compounds							Qvalue
51) Acenaphthene	9.93	154	34602	6.101	ng		99
54) Dibenzofuran	10.10	168	28091	3.534	ng		98
57) Fluorene	10.44	166	27300	4.688	ng		96
70) Phenanthrene	11.41	178	541928	75.013	ng		99
71) Anthracene	11.46	178	157724	21.519	ng		98
72) Carbazole	11.61	167	23239	3.436	ng		96
74) Fluoranthene	12.60	202	1035601	135.257	ng		97
77) Pyrene	12.84	202	983228	103.119	ng		99
80) Benzo(a)anthracene	14.02	228	590592	73.321	ng		98
82) Chrysene	14.06	228	531056m	68.083	ng		
85) Indeno(1,2,3-cd)pyrene	16.99	276	294156	46.624	ng	#	87
87) Benzo(b)fluoranthene	15.08	252	667301m	93.793	ng		
88) Benzo(k)fluoranthene	15.10	252	272512m	40.538	ng		
89) Benzo(a)pyrene	15.45	252	496606	78.734	ng		96
90) Dibenzo(a,h)anthracene	17.00	278	66035	12.802	ng		93
91) Benzo(g,h,i)perylene	17.44	276	288979	57.231	ng	#	91

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

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HAR-4-E(4-5)

Manual Integrations APPROVED
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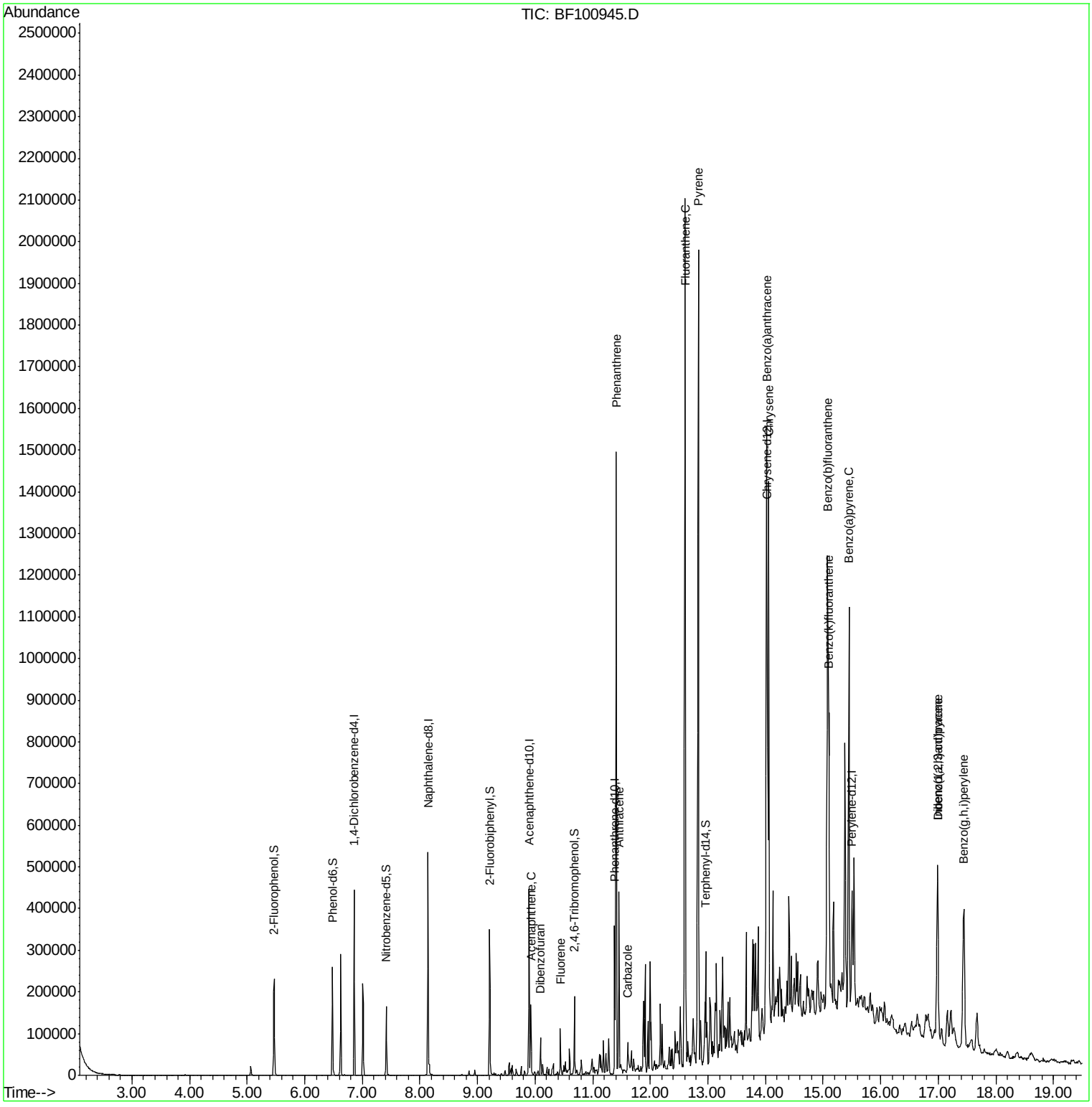
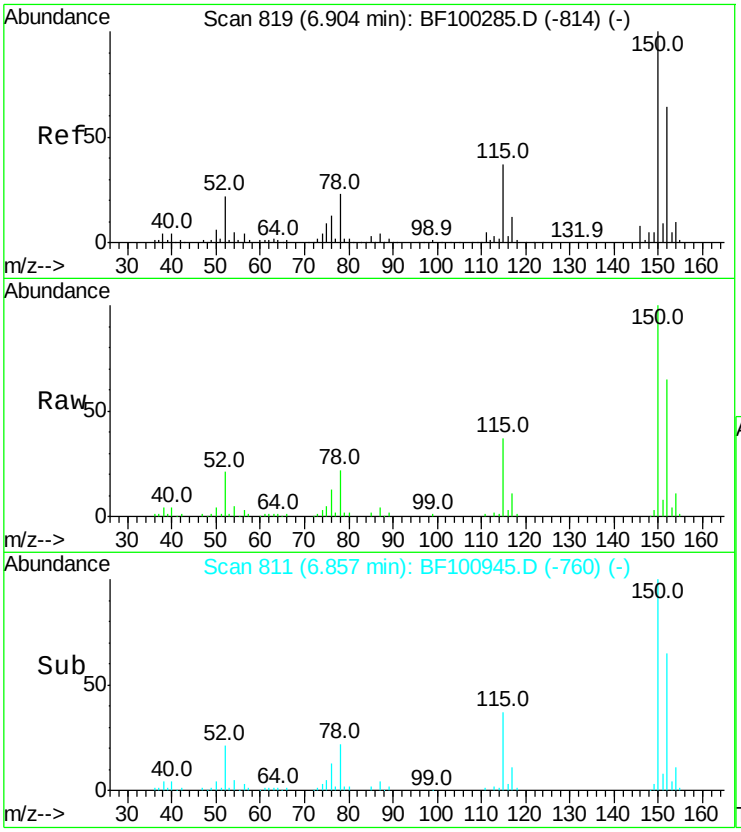
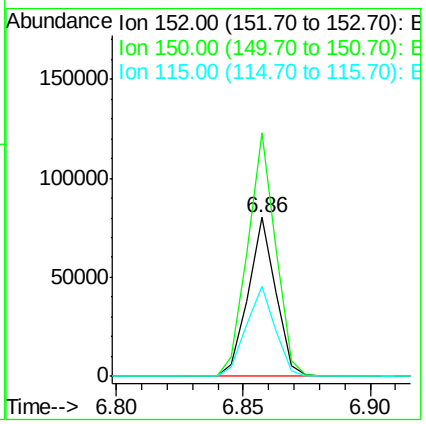




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF100945.D
Acq: 28 Nov 2017 20:20

Tgt Ion:152 Resp: 60766

Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.6	186.8
115	56.8	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
HAR-4-E(4-5)

Manual Integrations APPROVED
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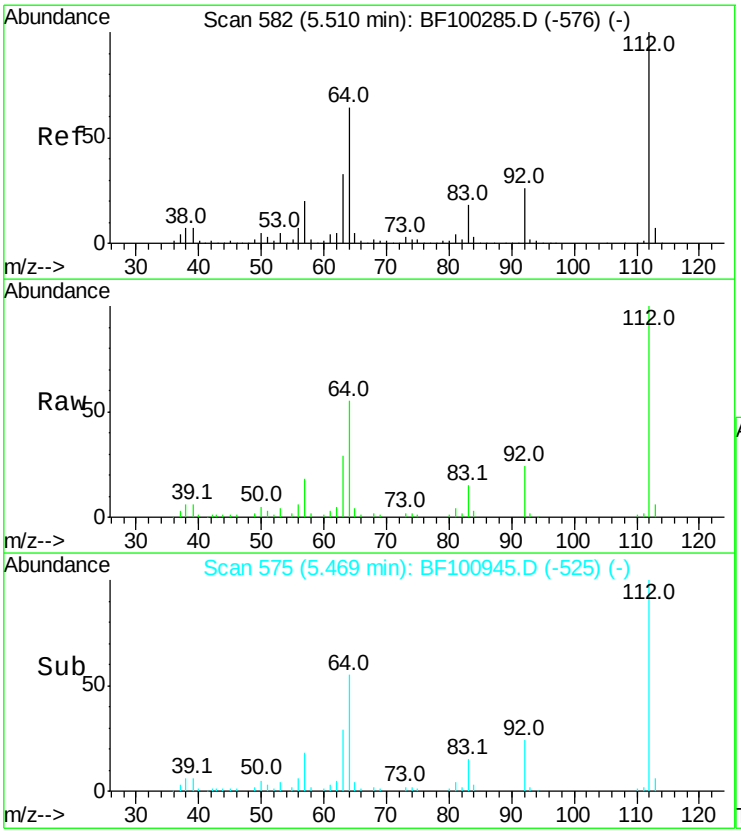
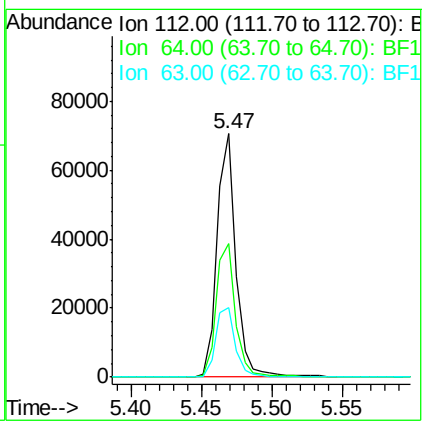
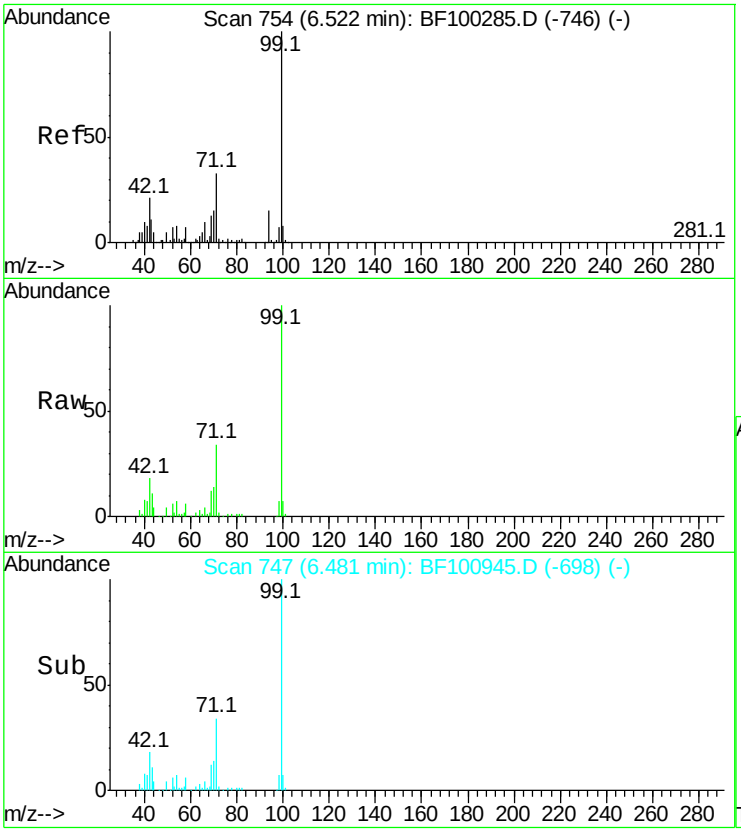


#5
2-Fluorophenol
Concen: 17.310 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF100945.D
Acq: 28 Nov 2017 20:20

Tgt Ion:112 Resp: 65619

Ion	Ratio	Lower	Upper
112	100		
64	54.9	47.9	71.9
63	28.8	23.7	35.5

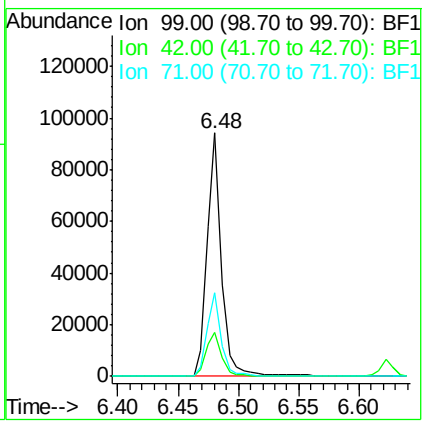




#7
Phenol-d6
Concen: 16.509 ng
RT: 6.48 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF100945.D
Acq: 28 Nov 2017 20:20

Tgt Ion: 99 Resp: 77174

Ion	Ratio	Lower	Upper
99	100		
42	18.3	14.5	21.7
71	34.1	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
HAR-4-E(4-5)

Manual Integrations APPROVED
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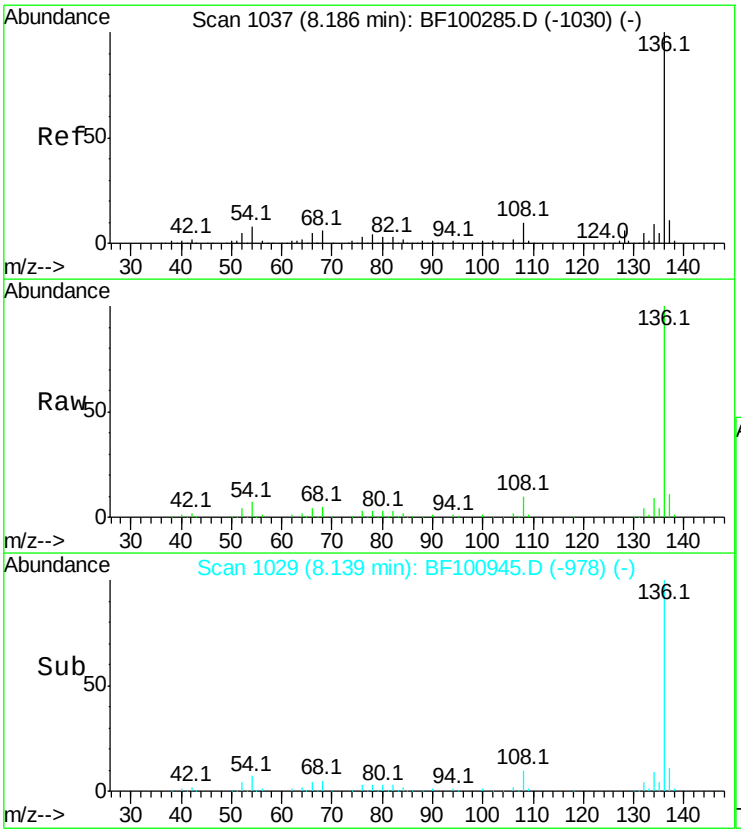
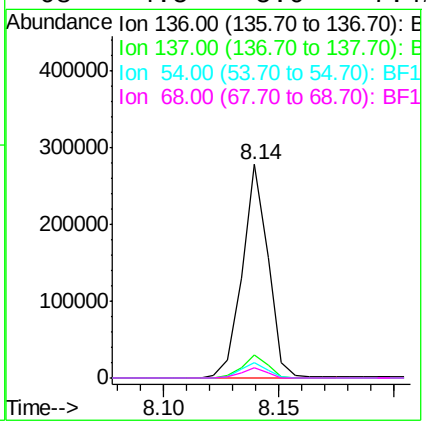
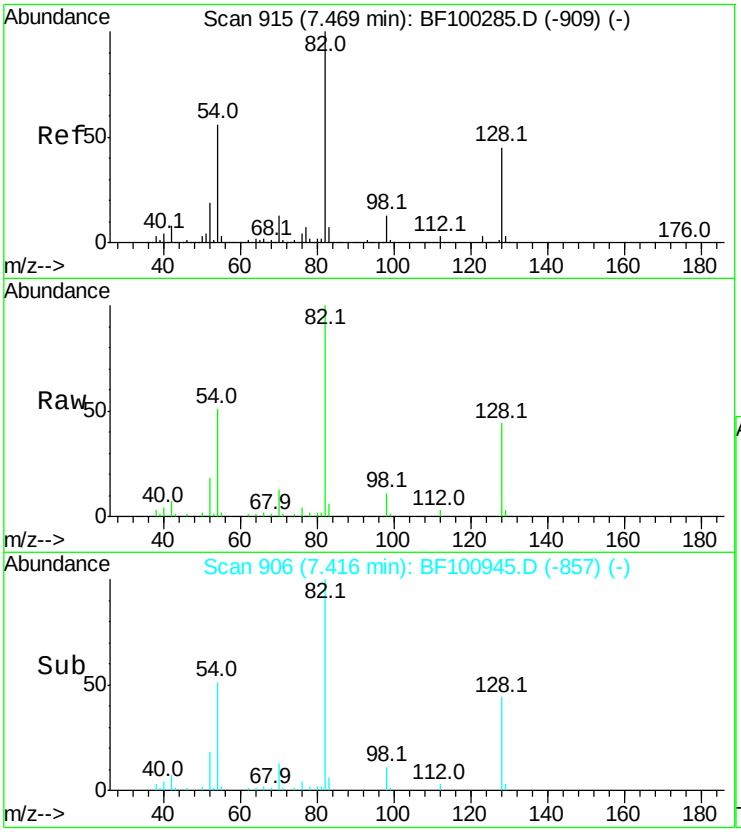


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF100945.D
Acq: 28 Nov 2017 20:20

Tgt Ion:136 Resp: 218133

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.4	6.6	9.8
68	4.5	5.0	7.4#

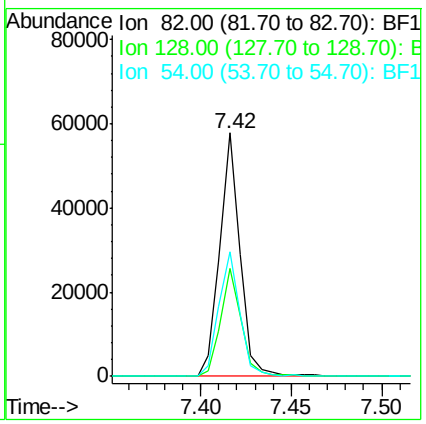




#23
Nitrobenzene-d5
Concen: 13.745 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF100945.D
Acq: 28 Nov 2017 20:20

Tgt Ion: 82 Resp: 45350

Ion	Ratio	Lower	Upper
82	100		
128	44.4	36.1	54.1
54	51.0	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
HAR-4-E(4-5)

Manual Integrations APPROVED
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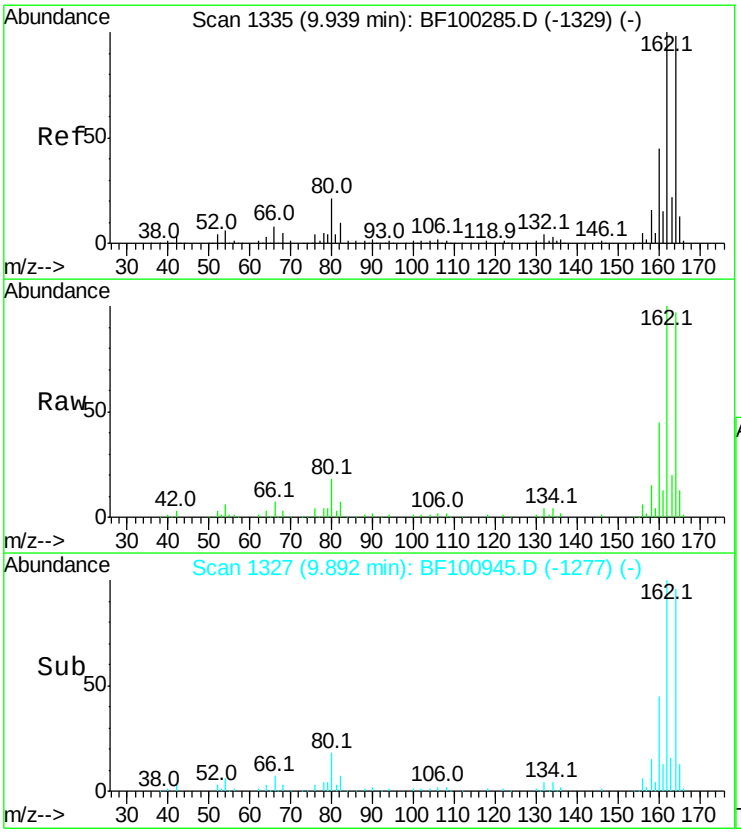
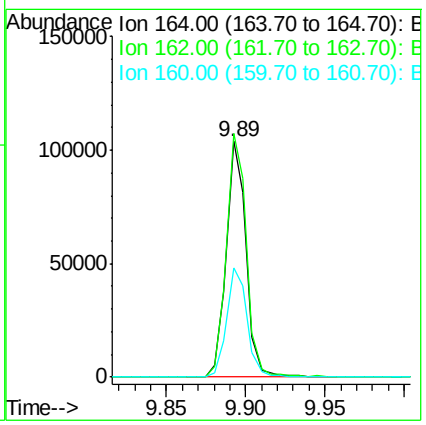
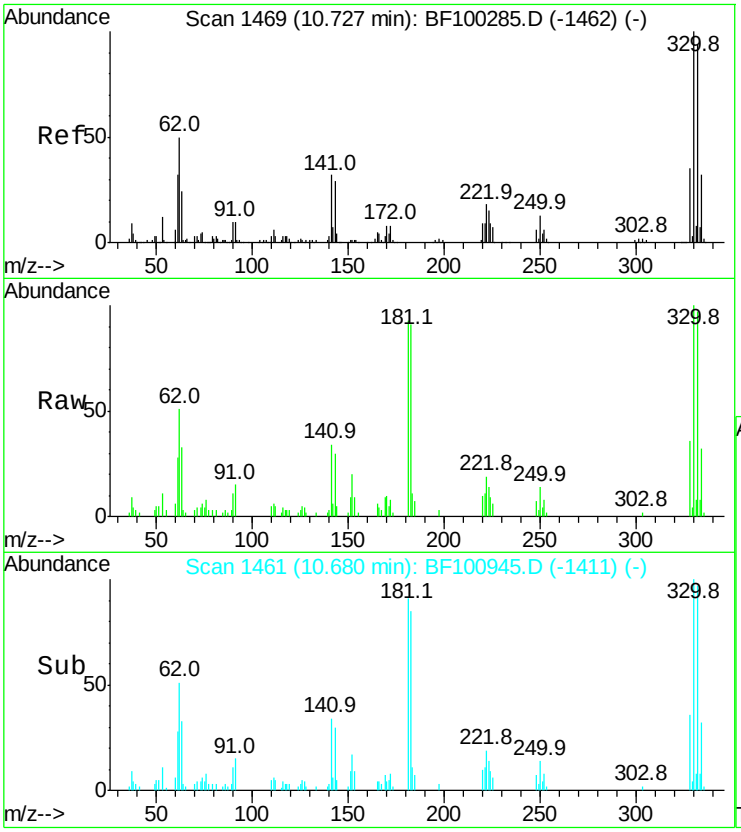


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF100945.D
Acq: 28 Nov 2017 20:20

Tgt Ion:164 Resp: 89686

Ion	Ratio	Lower	Upper
164	100		
162	103.4	86.1	129.1
160	46.5	38.3	57.5

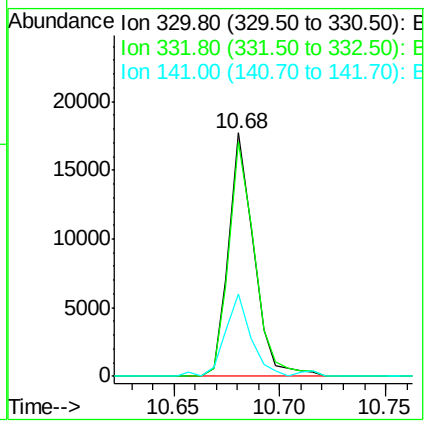




#41
2,4,6-Tribromophenol
Concen: 16.056 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF100945.D
Acq: 28 Nov 2017 20:20

Tgt Ion:330 Resp: 14674

Ion	Ratio	Lower	Upper
330	100		
332	98.8	77.0	115.6
141	34.4	29.9	44.9



Instrument :
BNA_F
ClientSampleId :
HAR-4-E(4-5)

Manual Integrations APPROVED
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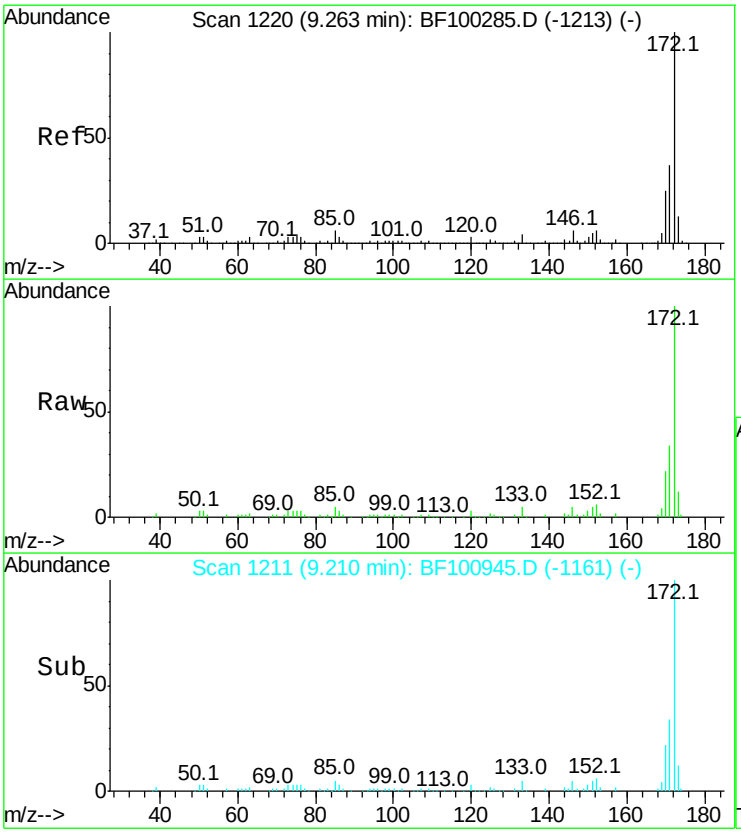
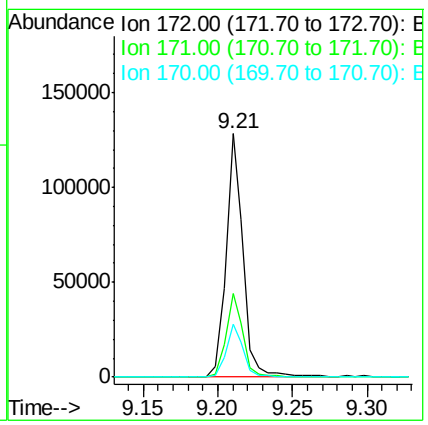
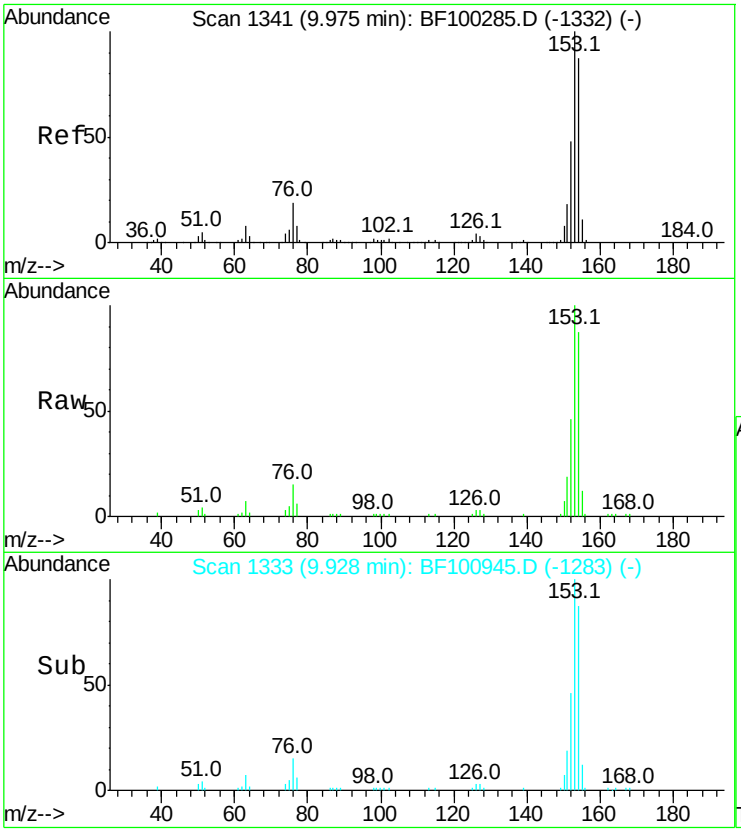


#44
2-Fluorobiphenyl
Concen: 17.719 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF100945.D
Acq: 28 Nov 2017 20:20

Tgt Ion:172 Resp: 104362

Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.7	44.5
170	21.6	19.6	29.4

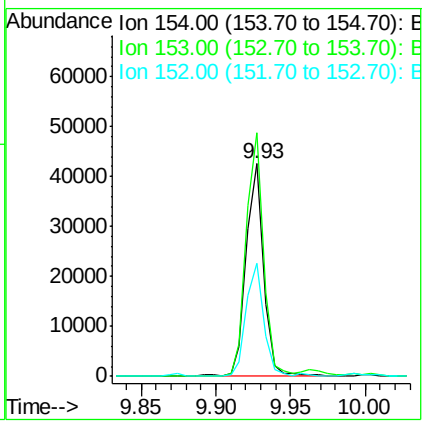




#51
Acenaphthene
Concen: 6.101 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF100945.D
Acq: 28 Nov 2017 20:20

Tgt Ion:154 Resp: 34602

Ion	Ratio	Lower	Upper
154	100		
153	114.6	91.2	136.8
152	53.0	43.8	65.8



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ClientSampleId :
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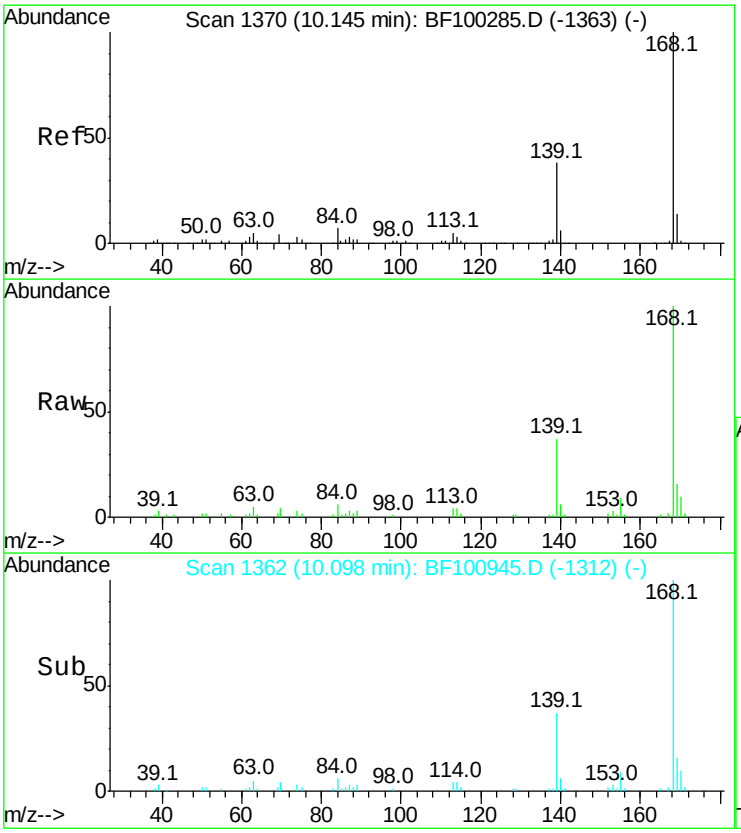
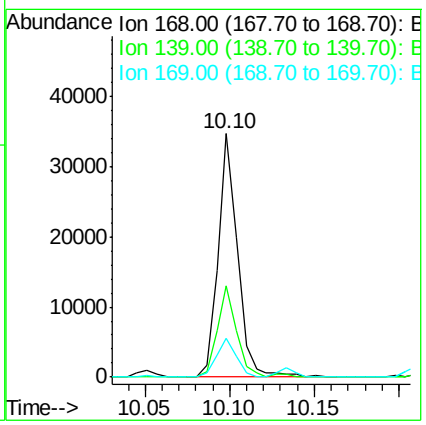
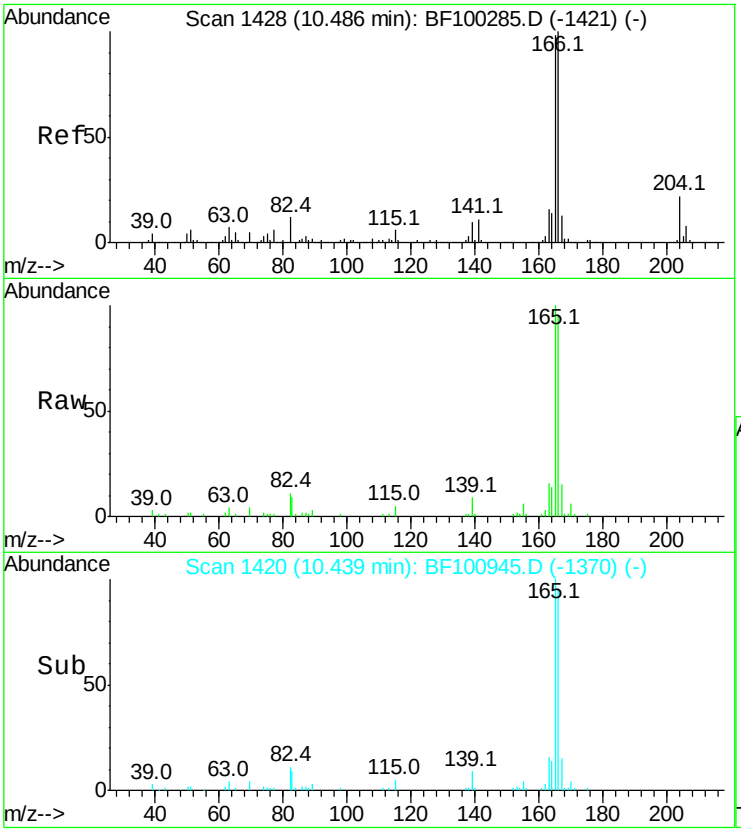


#54
Dibenzofuran
Concen: 3.534 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF100945.D
Acq: 28 Nov 2017 20:20

Tgt Ion:168 Resp: 28091

Ion	Ratio	Lower	Upper
168	100		
139	37.4	30.1	45.1
169	15.9	10.9	16.3

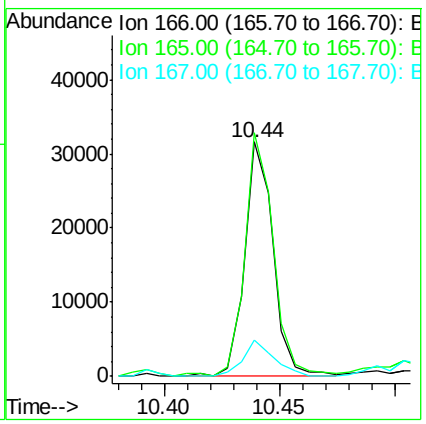




#57
Fluorene
Concen: 4.688 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF100945.D
Acq: 28 Nov 2017 20:20

Tgt Ion:166 Resp: 27300

Ion	Ratio	Lower	Upper
166	100		
165	103.8	79.8	119.8
167	15.2	10.6	16.0



Instrument :
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ClientSampleId :
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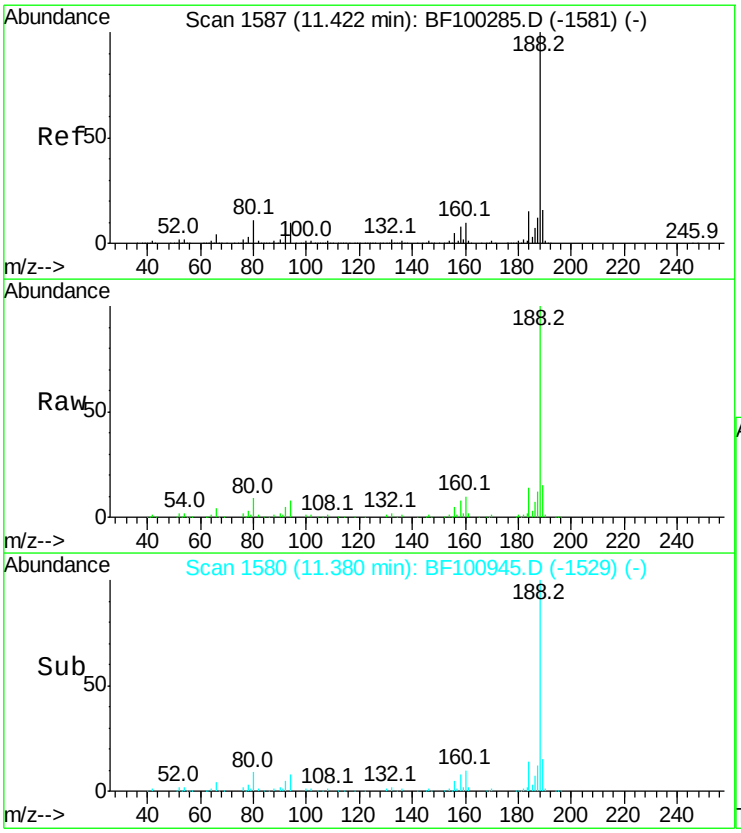
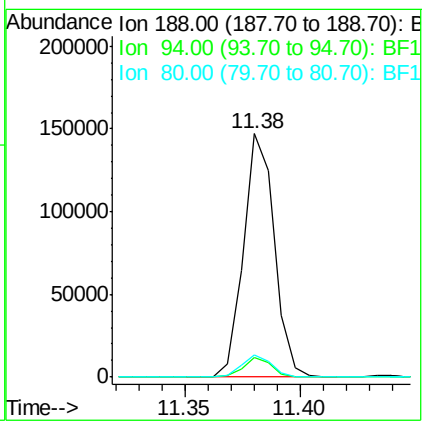
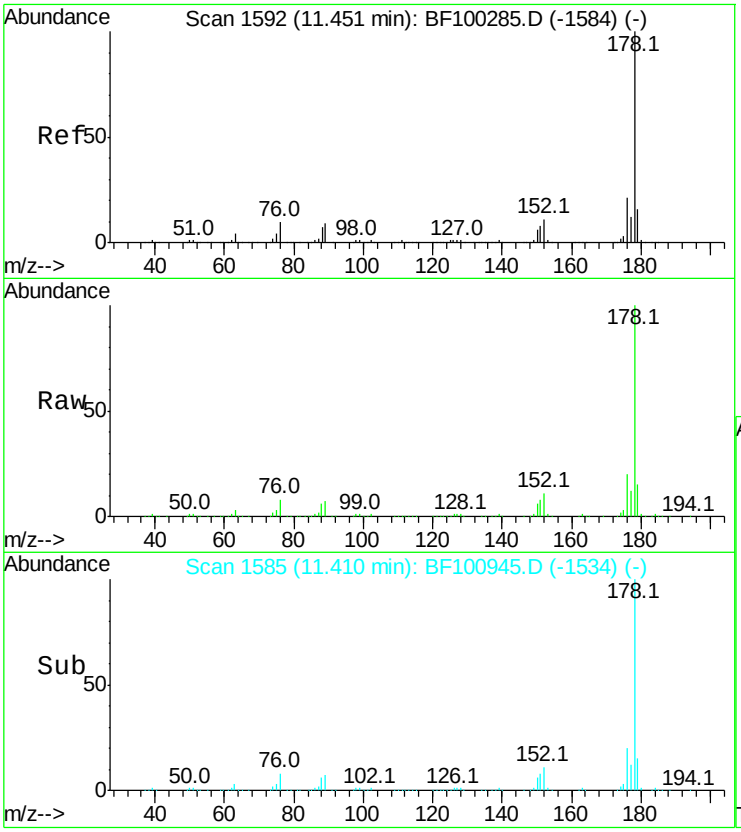


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF100945.D
Acq: 28 Nov 2017 20:20

Tgt Ion:188 Resp: 137213

Ion	Ratio	Lower	Upper
188	100		
94	8.1	8.5	12.7#
80	9.2	9.2	13.8#

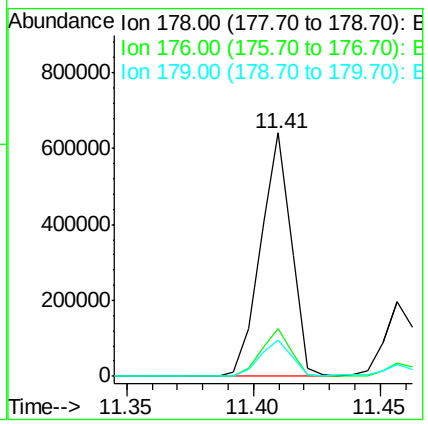




#70
Phenanthrene
Concen: 75.013 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF100945.D
Acq: 28 Nov 2017 20:20

Tgt Ion:178 Resp: 541928

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.1	13.0	19.6



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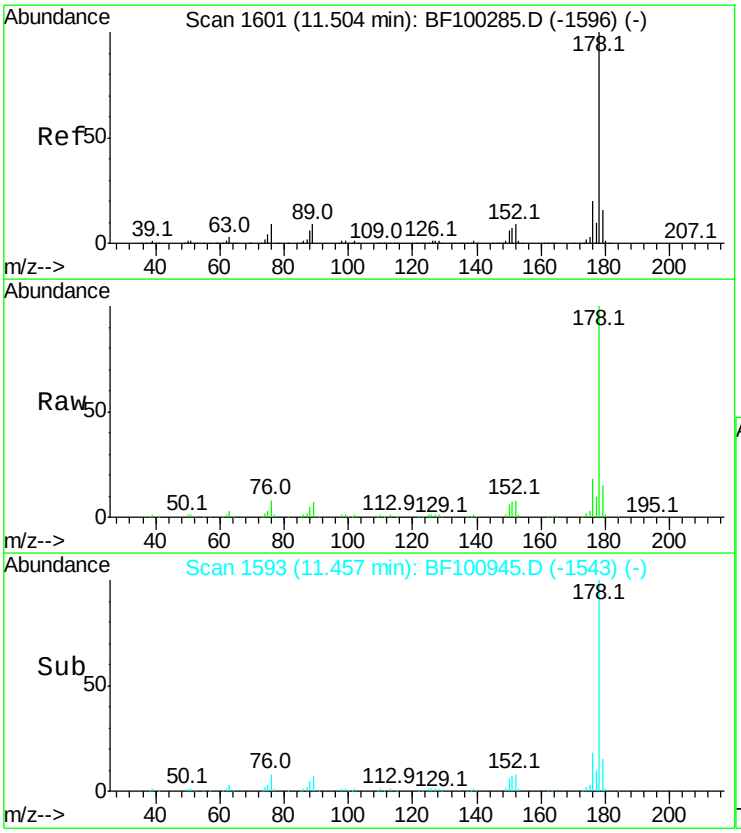
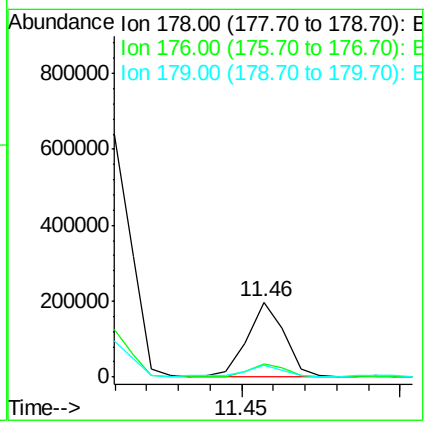
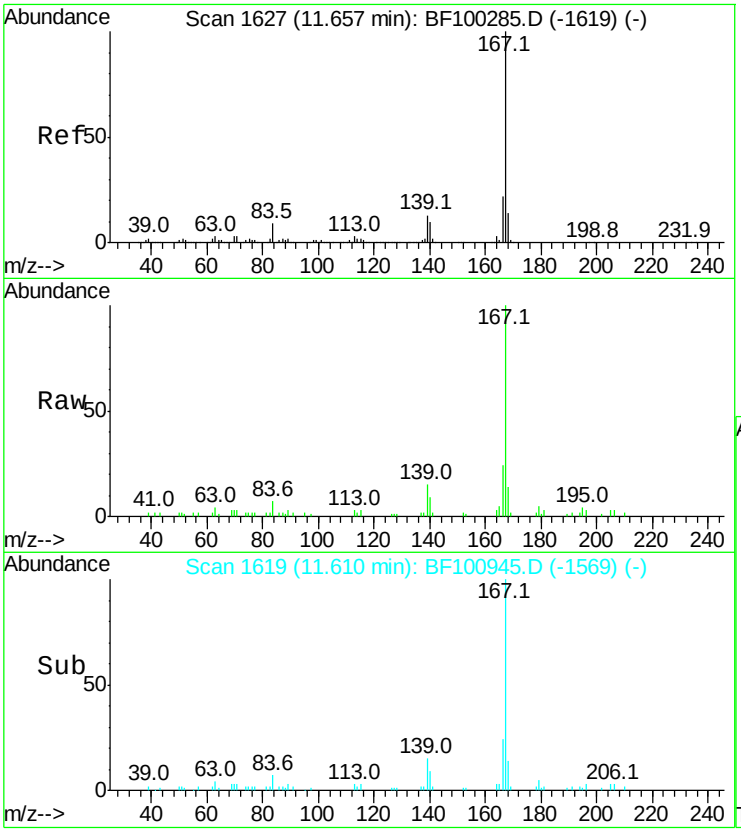


#71
Anthracene
Concen: 21.519 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF100945.D
Acq: 28 Nov 2017 20:20

Tgt Ion:178 Resp: 157724

Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	15.2	12.6	19.0

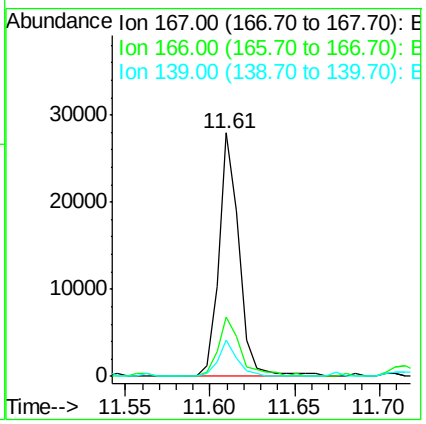




#72
Carbazole
Concen: 3.436 ng
RT: 11.61 min Scan# 1619
Delta R.T. -0.01 min
Lab File: BF100945.D
Acq: 28 Nov 2017 20:20

Tgt Ion:167 Resp: 23239

Ion	Ratio	Lower	Upper
167	100		
166	24.1	17.6	26.4
139	14.7	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
HAR-4-E(4-5)

Manual Integrations APPROVED
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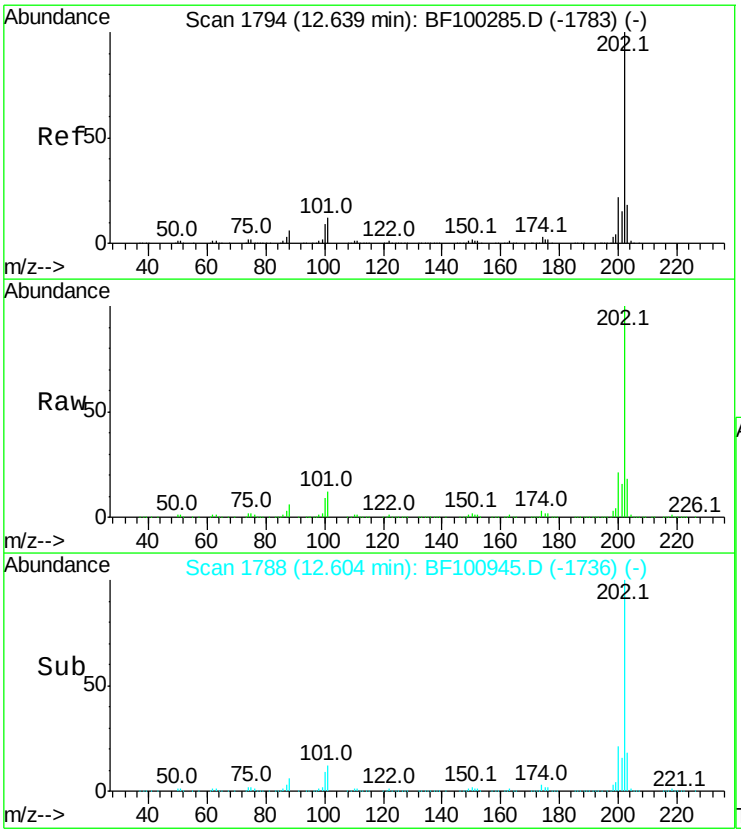
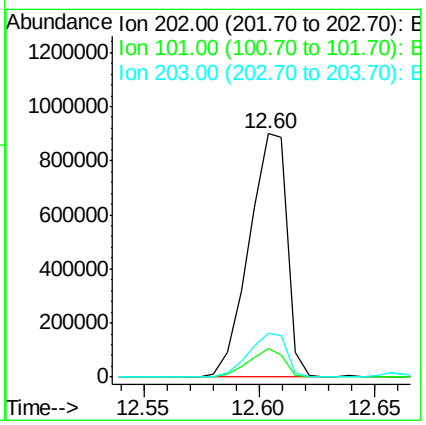
11/29/2017 4:29:05 PM

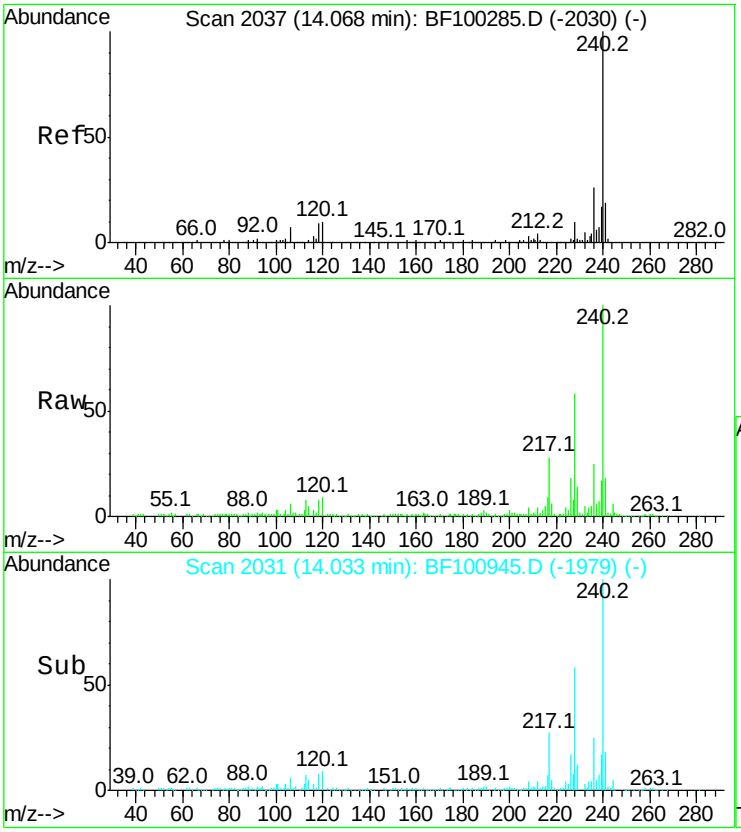


#74
Fluoranthene
Concen: 135.257 ng
RT: 12.60 min Scan# 1788
Delta R.T. 0.01 min
Lab File: BF100945.D
Acq: 28 Nov 2017 20:20

Tgt Ion:202 Resp: 1035601

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	34.1
203	18.2	0.0	38.1

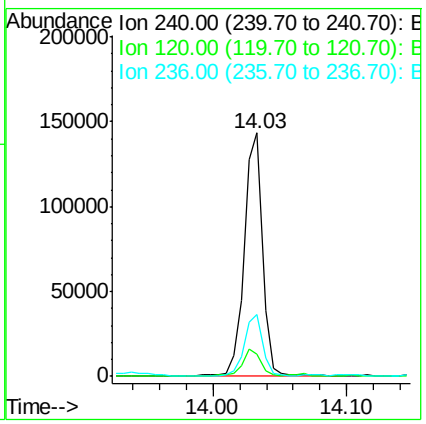




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.01 min
Lab File: BF100945.D
Acq: 28 Nov 2017 20:20

Tgt Ion:240 Resp: 133759

Ion	Ratio	Lower	Upper
240	100		
120	9.3	9.5	14.3#
236	25.3	20.7	31.1



Instrument :
BNA_F
ClientSampleId :
HAR-4-E(4-5)

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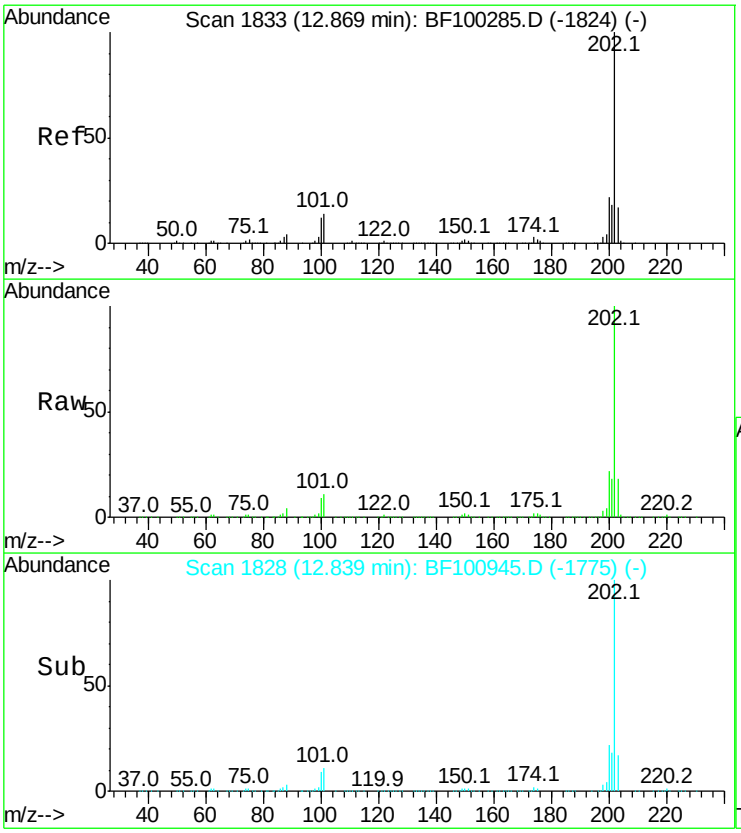
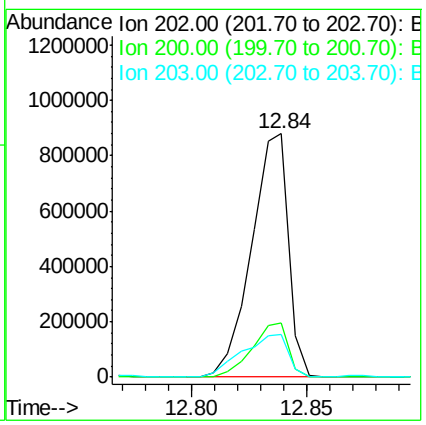
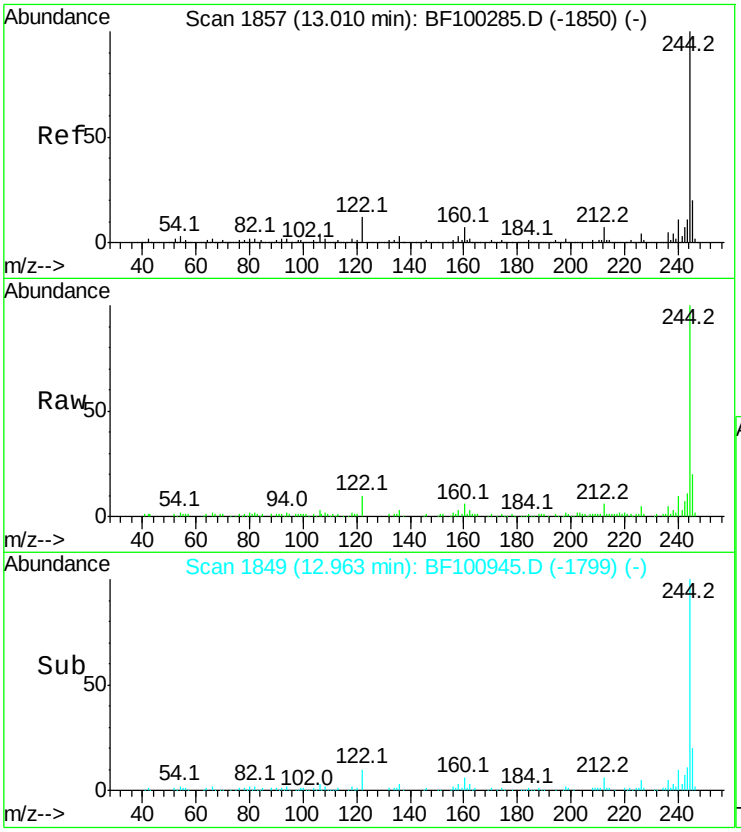


#77
Pyrene
Concen: 103.119 ng
RT: 12.84 min Scan# 1828
Delta R.T. 0.01 min
Lab File: BF100945.D
Acq: 28 Nov 2017 20:20

Tgt Ion:202 Resp: 983228

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.4	26.2
203	17.6	14.3	21.5

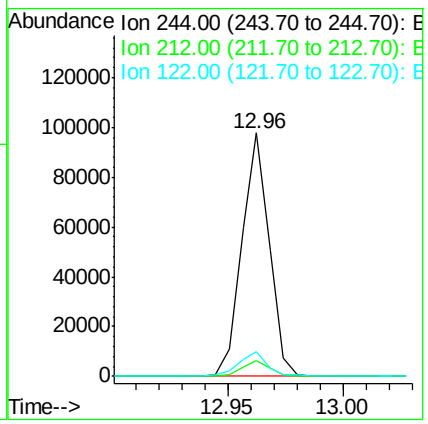




#78
Terphenyl-d14
Concen: 13.843 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF100945.D
Acq: 28 Nov 2017 20:20

Tgt Ion:244 Resp: 80588

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	9.9	11.0	16.4#



Instrument :
BNA_F
ClientSampleId :
HAR-4-E(4-5)

Manual Integrations APPROVED
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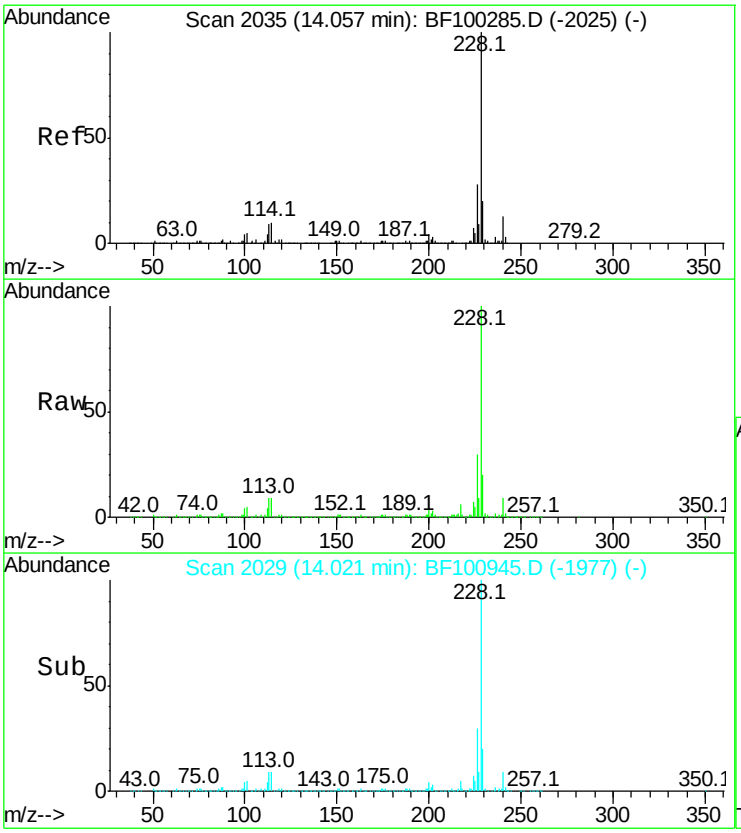
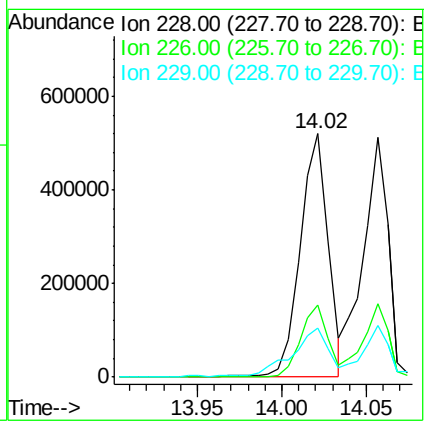
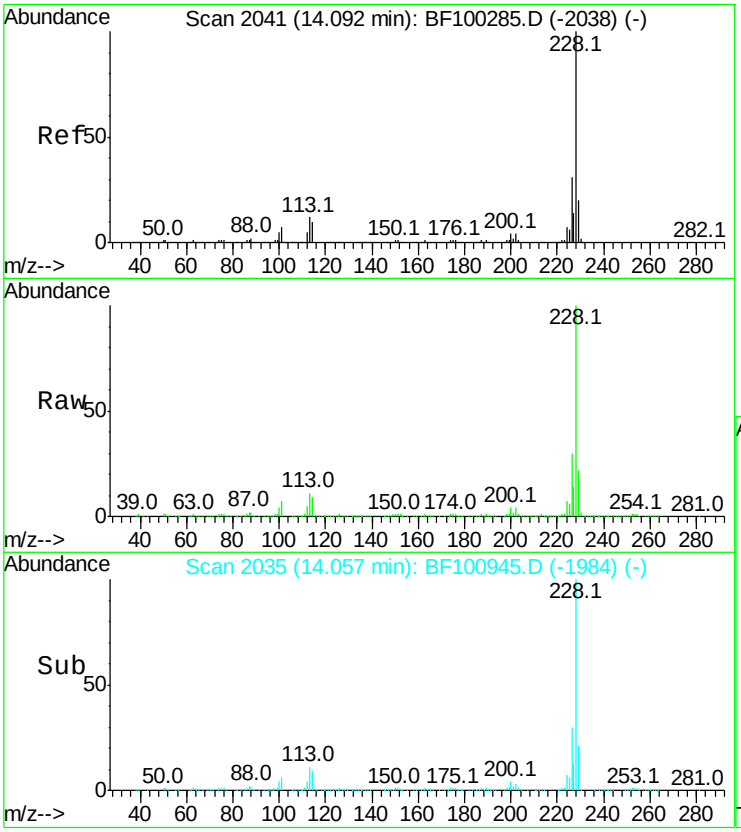


#80
Benzo(a)anthracene
Concen: 73.321 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BF100945.D
Acq: 28 Nov 2017 20:20

Tgt Ion:228 Resp: 590592

Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.6	33.8
229	20.3	15.8	23.6

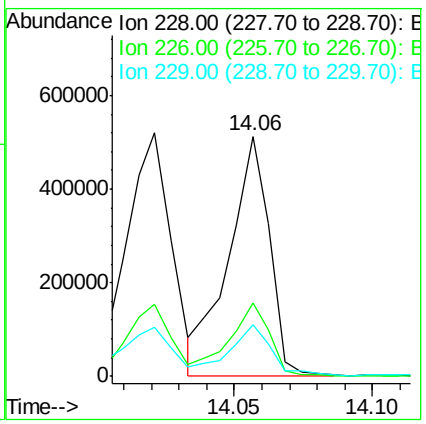




#82
Chrysene
Concen: 68.083 ng m
RT: 14.06 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BF100945.D
Acq: 28 Nov 2017 20:20

Tgt Ion:228 Resp: 531056

Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	21.5	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
HAR-4-E(4-5)

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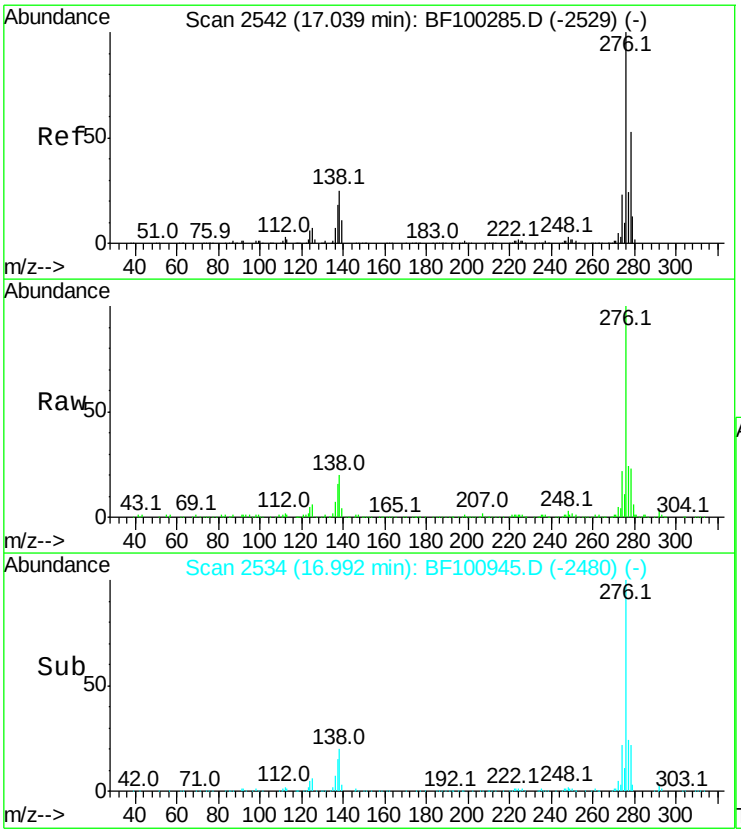
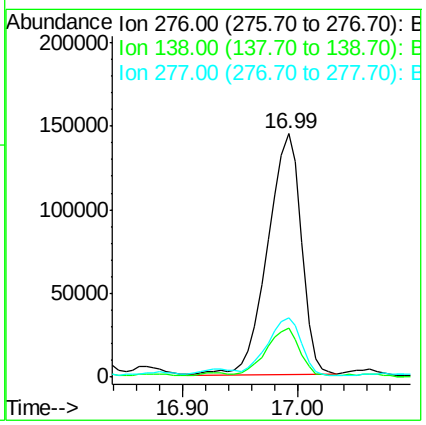
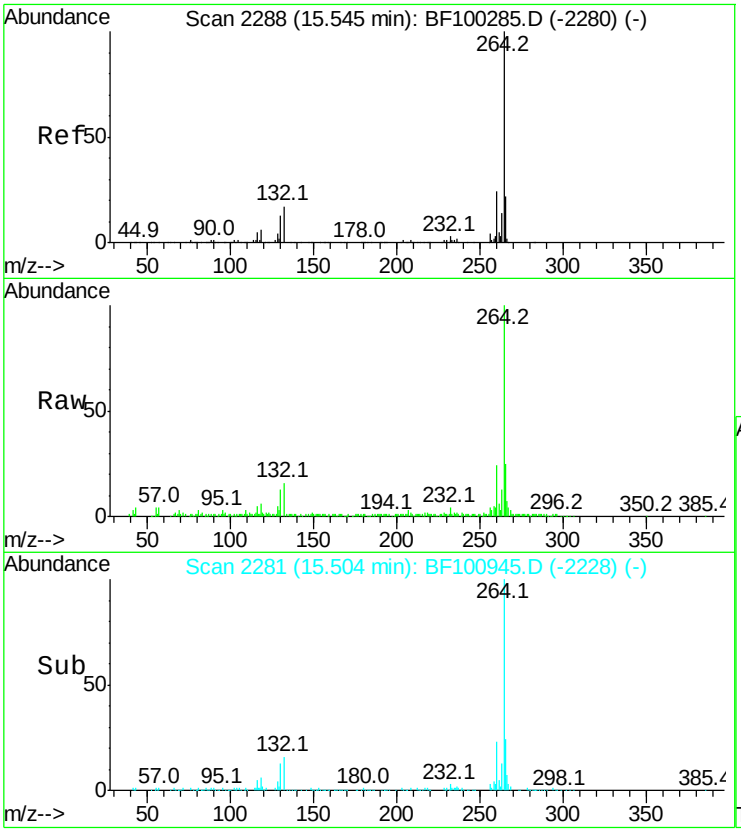


#85
Indeno(1,2,3-cd)pyrene
Concen: 46.624 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.02 min
Lab File: BF100945.D
Acq: 28 Nov 2017 20:20

Tgt Ion:276 Resp: 294156

Ion	Ratio	Lower	Upper
276	100		
138	19.6	25.0	37.6#
277	23.7	20.1	30.1

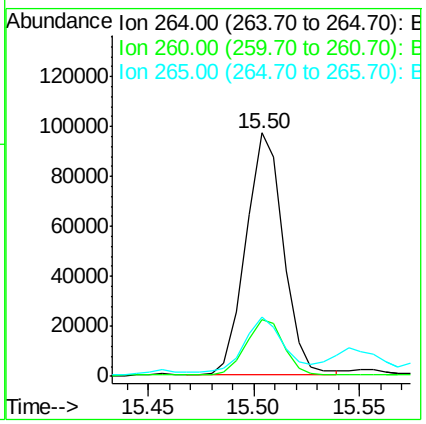




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF100945.D
Acq: 28 Nov 2017 20:20

Tgt Ion:264 Resp: 120089

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	24.6	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
HAR-4-E(4-5)

Manual Integrations APPROVED
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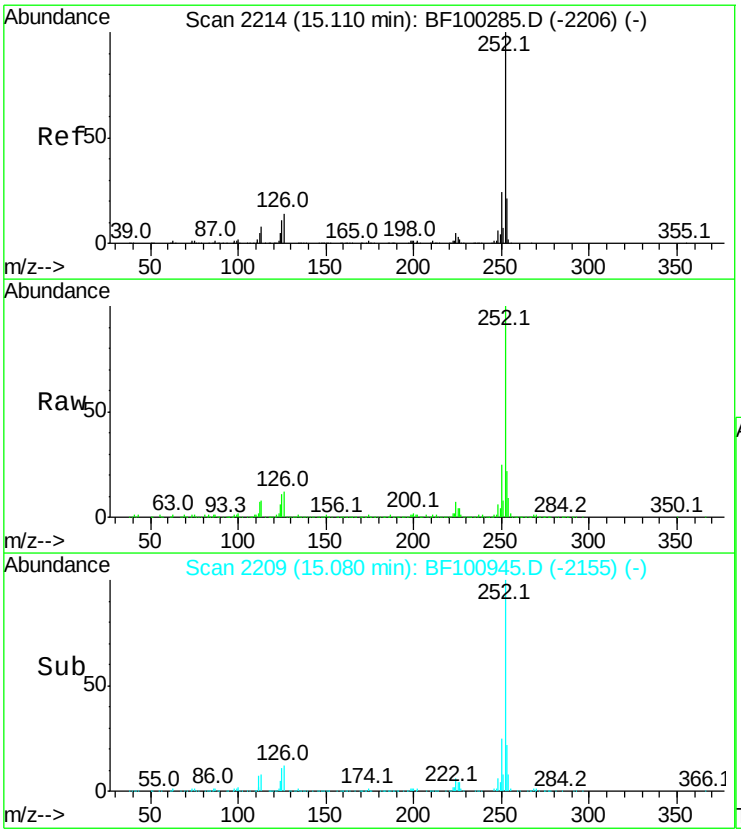
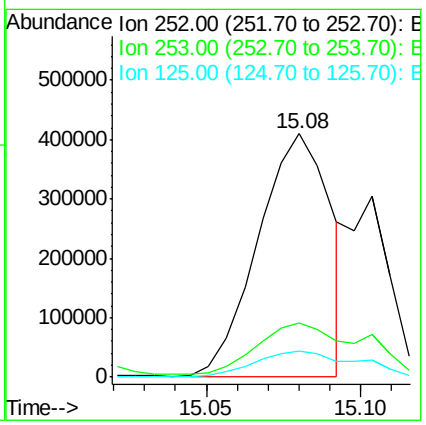
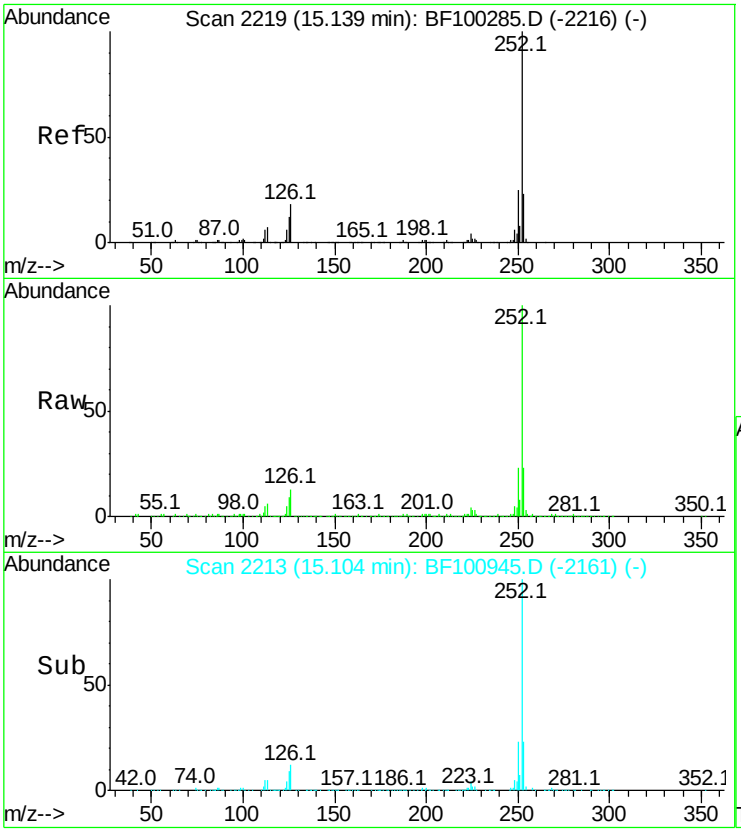


#87
Benzo(b)fluoranthene
Concen: 93.793 ng m
RT: 15.08 min Scan# 2209
Delta R.T. 0.02 min
Lab File: BF100945.D
Acq: 28 Nov 2017 20:20

Tgt Ion:252 Resp: 667301

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	10.9	9.0	13.6





#88
Benzo(k)fluoranthene
Concen: 40.538 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF100945.D
Acq: 28 Nov 2017 20:20

Tgt Ion:252 Resp: 272512

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	9.1	10.2	15.2#

Instrument :
BNA_F
ClientSampleId :
HAR-4-E(4-5)

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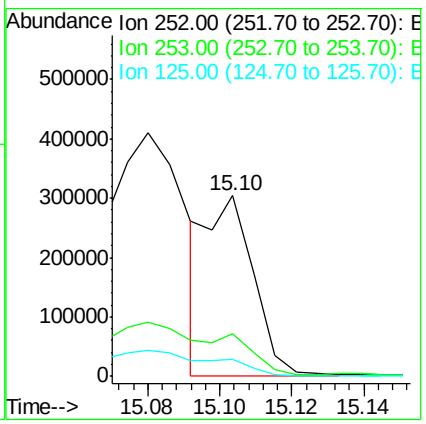
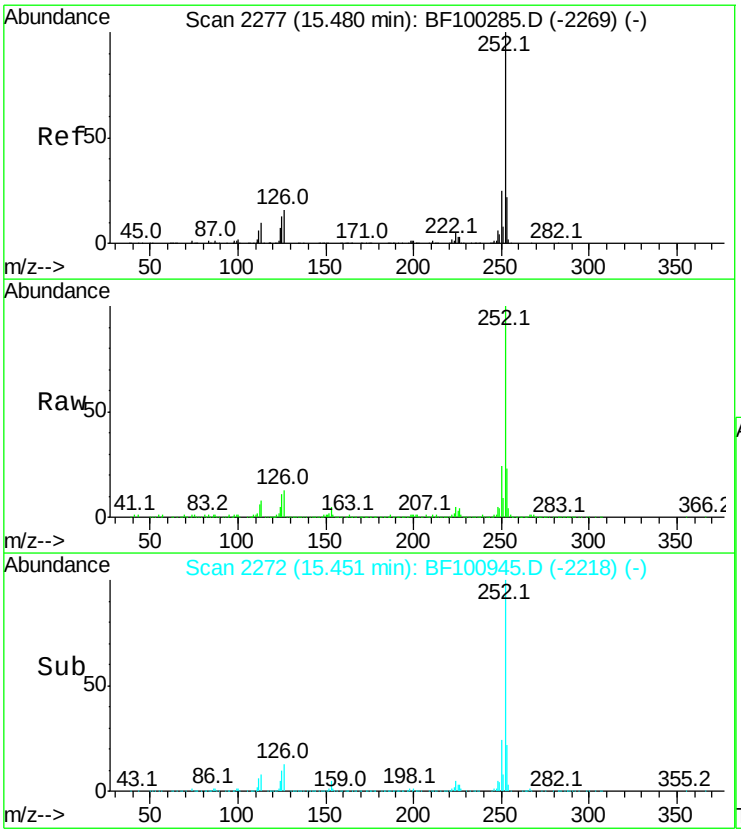
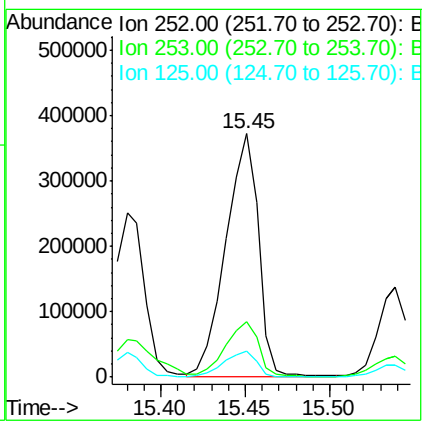


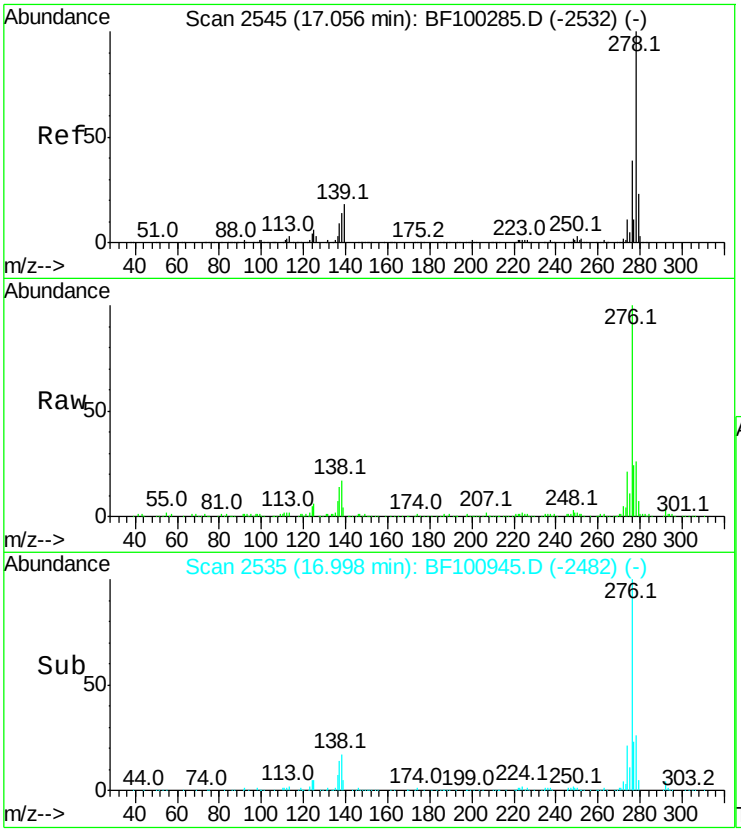


#89
Benzo(a)pyrene
Concen: 78.734 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.02 min
Lab File: BF100945.D
Acq: 28 Nov 2017 20:20

Tgt Ion:252 Resp: 496606

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	10.5	9.8	14.6

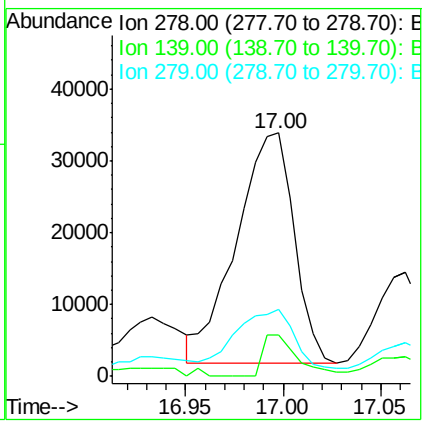




#90
Dibenzo(a,h)anthracene
Concen: 12.802 ng
RT: 17.00 min Scan# 2535
Delta R.T. 0.01 min
Lab File: BF100945.D
Acq: 28 Nov 2017 20:20

Tgt Ion:278 Resp: 66035

Ion	Ratio	Lower	Upper
278	100		
139	17.0	15.9	23.9
279	27.3	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
HAR-4-E(4-5)

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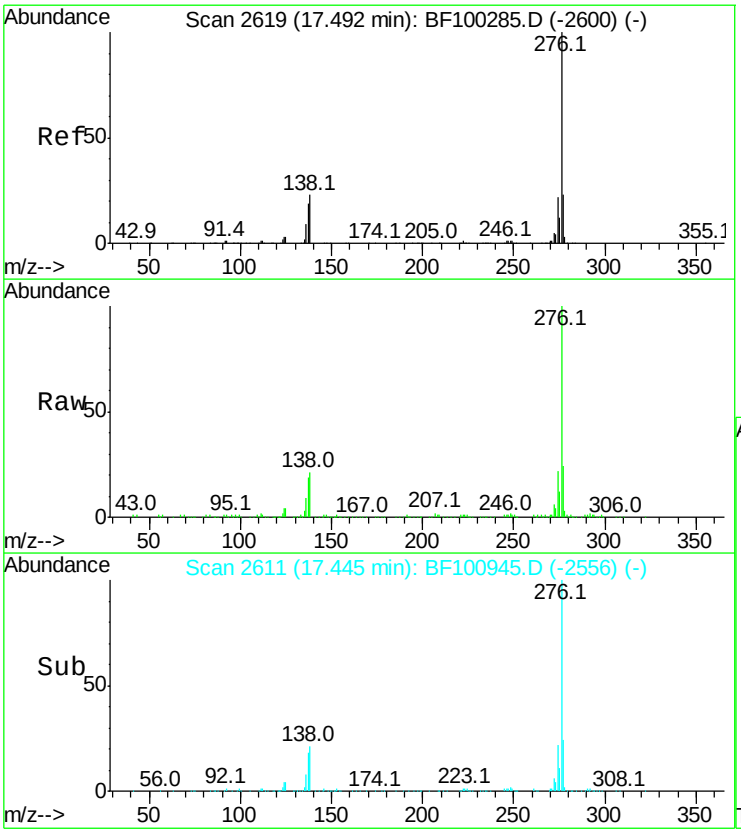

#91
Benzo(g,h,i)perylene
Concen: 57.231 ng
RT: 17.44 min Scan# 2611
Delta R.T. 0.02 min
Lab File: BF100945.D
Acq: 28 Nov 2017 20:20

Tgt Ion:276 Resp: 288979

Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	20.7	21.8	32.8#