Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031716\
Data File : BF085500.D
Acq On : 17 Mar 2016 19:25
Operator : UM/SJ
Sample : H1792-01RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1RE

Manual Integrations APPROVED
UMANGI
3/18/2016 3:46:01 PM

Quant Time: Mar 18 14:40:25 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 15 18:57:05 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	140965	20.00	ng	-0.03
21) Naphthalene-d8	8.16	136	597934	20.00	ng	-0.05
38) Acenaphthene-d10	9.91	164	255397	20.00	ng	-0.05
63) Phenanthrene-d10	11.40	188	459424	20.00	ng	-0.05
75) Chrysene-d12	14.04	240	315797	20.00	ng	-0.05
86) Perylene-d12	15.47	264	280536	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1147232	139.90	ng	-0.02
7) Phenol-d6	6.52	99	1529636	143.80	ng	-0.03
23) Nitrobenzene-d5	7.44	82	866725	85.70	ng	-0.05
41) 2,4,6-Tribromophenol	10.71	330	364183	154.82	ng	-0.05
44) 2-Fluorobiphenyl	9.24	172	1355135	92.05	ng	-0.05
78) Terphenyl-d14	12.98	244	1029504	73.75	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	9.64	163	329772	17.70	ng	99
70) Phenanthrene	11.42	178	178612	7.46	ng	97
71) Anthracene	11.48	178	52313	2.15	ng	98
74) Fluoranthene	12.61	202	227351	10.11	ng	98
77) Pyrene	12.84	202	178612	7.54	ng	98
80) Benzo(a)anthracene	14.03	228	77254m	4.27	ng	
82) Chrysene	14.06	228	65504m	4.02	ng	
85) Indeno(1,2,3-cd)pyrene	16.87	276	41148	2.67	ng	93
87) Benzo(b)fluoranthene	15.05	252	70035m	3.82	ng	
88) Benzo(k)fluoranthene	15.07	252	35567m	2.48	ng	
89) Benzo(a)pyrene	15.41	252	55726	3.52	ng	96
91) Benzo(g,h,i)perylene	17.29	276	47395	3.00	ng	96

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031716\
Data File : BF085500.D
Acq On : 17 Mar 2016 19:25
Operator : UM/SJ
Sample : H1792-01RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 18 14:40:25 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 15 18:57:05 2016
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SP-1RE

Manual Integrations APPROVED
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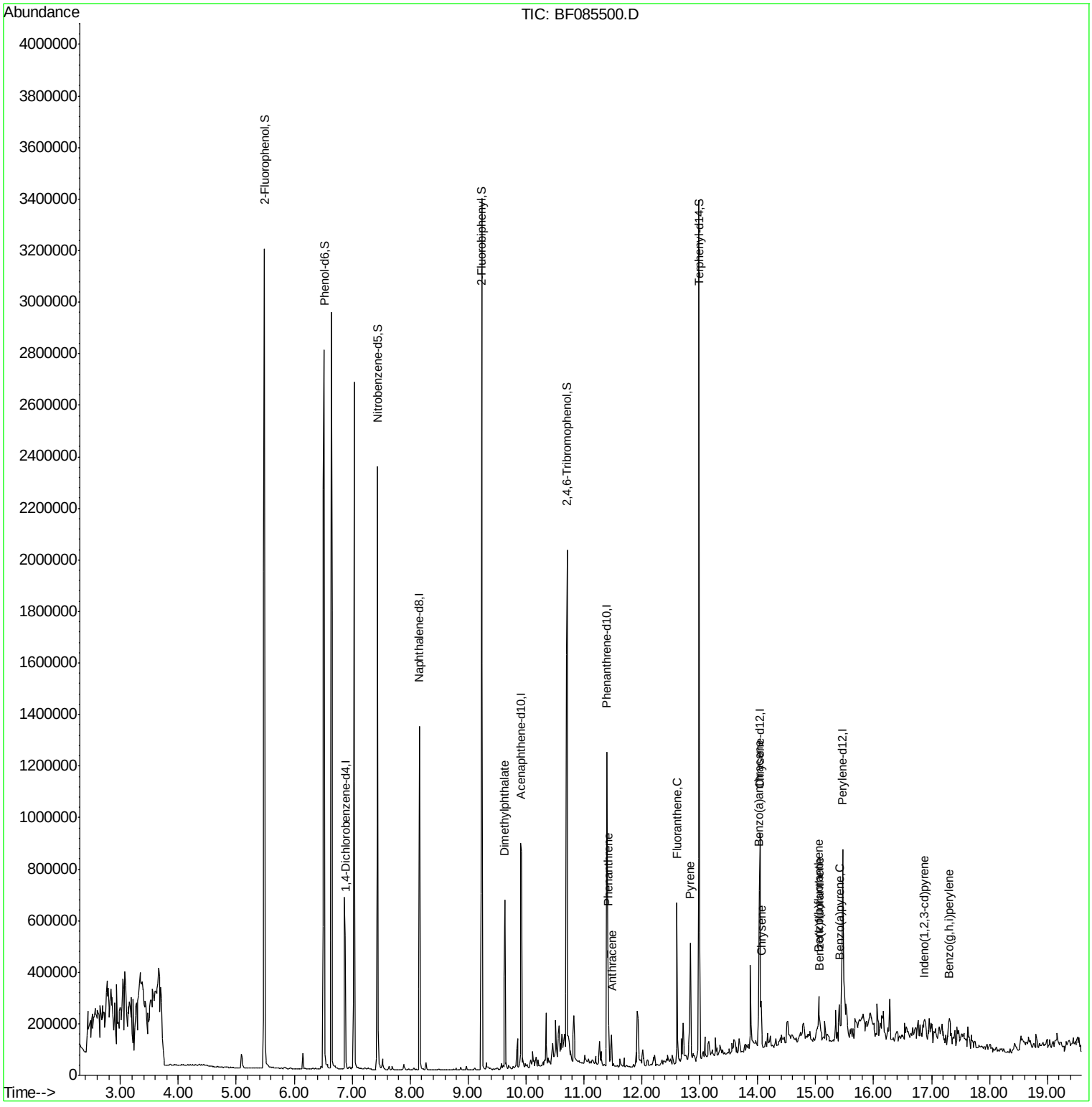
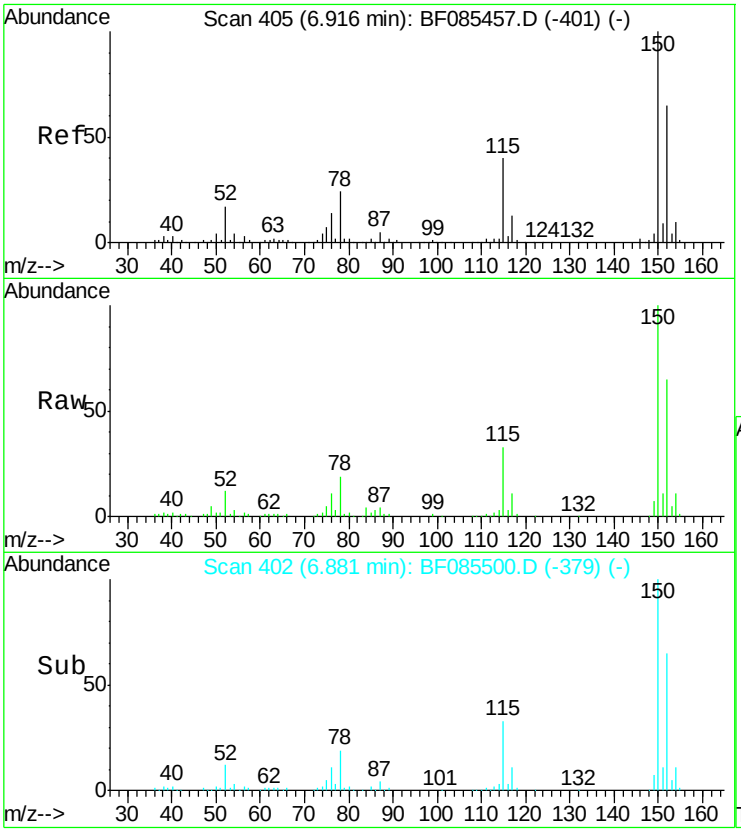
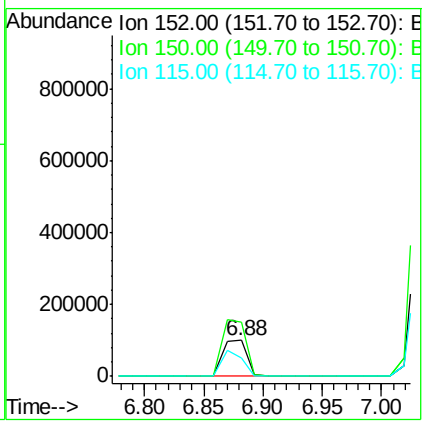




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 402
Delta R.T. -0.03 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Tgt Ion:152 Resp: 140965

Ion	Ratio	Lower	Upper
152	100		
150	153.7	124.6	186.8
115	51.0	46.6	70.0



Instrument :
BNA_F
ClientSampleId :
SP-1RE

Manual Integrations APPROVED
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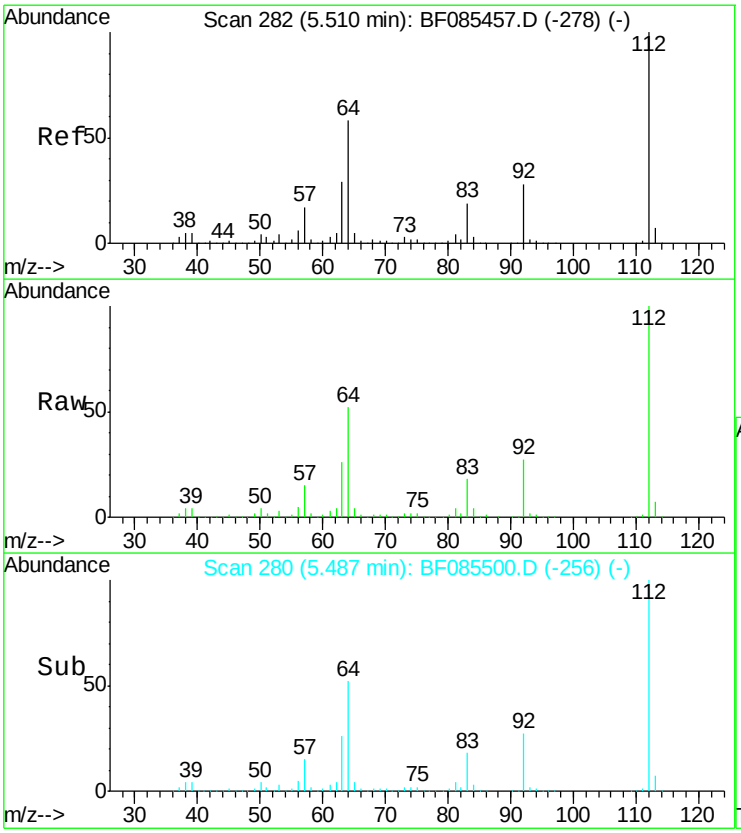
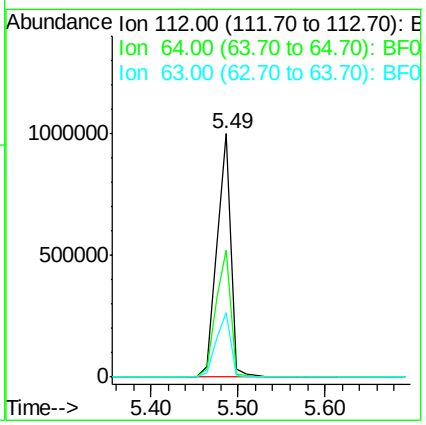
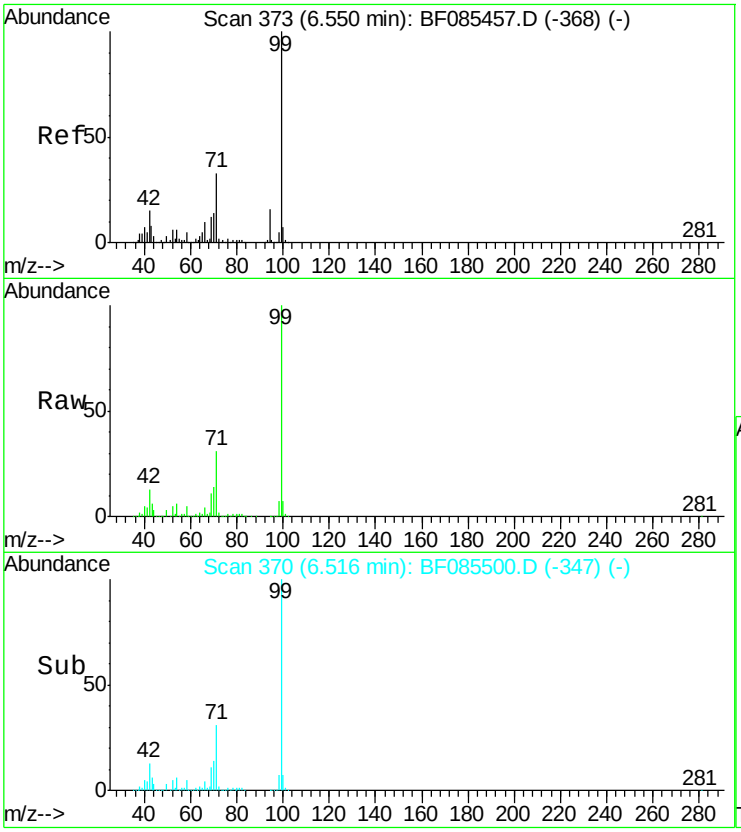


#5
2-Fluorophenol
Concen: 139.90 ng
RT: 5.49 min Scan# 280
Delta R.T. -0.02 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Tgt Ion:112 Resp: 1147232

Ion	Ratio	Lower	Upper
112	100		
64	52.2	49.0	73.4
63	26.4	24.8	37.2

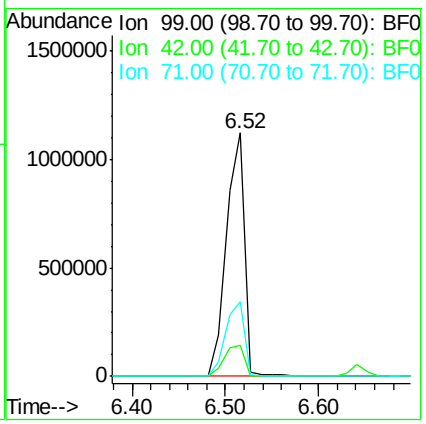




#7
Phenol-d6
Concen: 143.80 ng
RT: 6.52 min Scan# 370
Delta R.T. -0.03 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Tgt Ion: 99 Resp: 1529636

Ion	Ratio	Lower	Upper
99	100		
42	12.9	13.6	20.4#
71	30.9	26.7	40.1



Instrument :
BNA_F
ClientSampleId :
SP-1RE

Manual Integrations APPROVED
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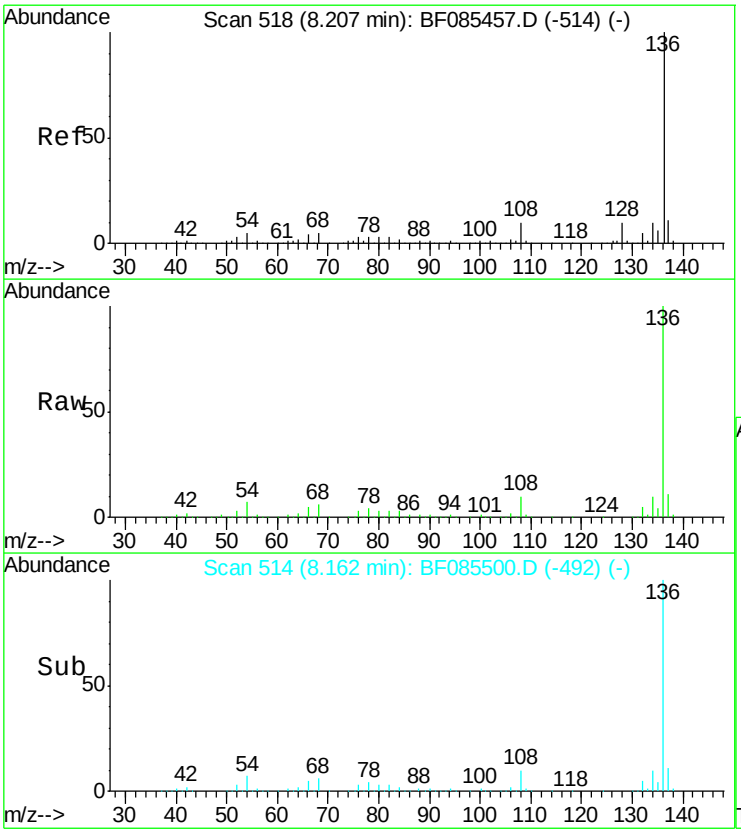
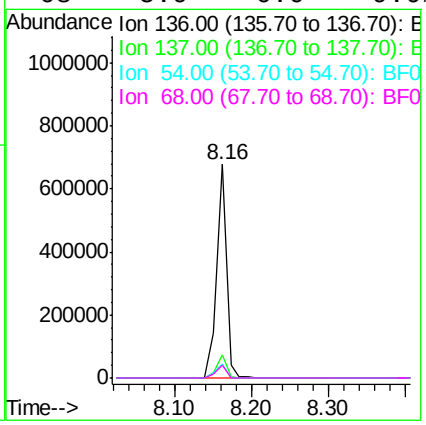
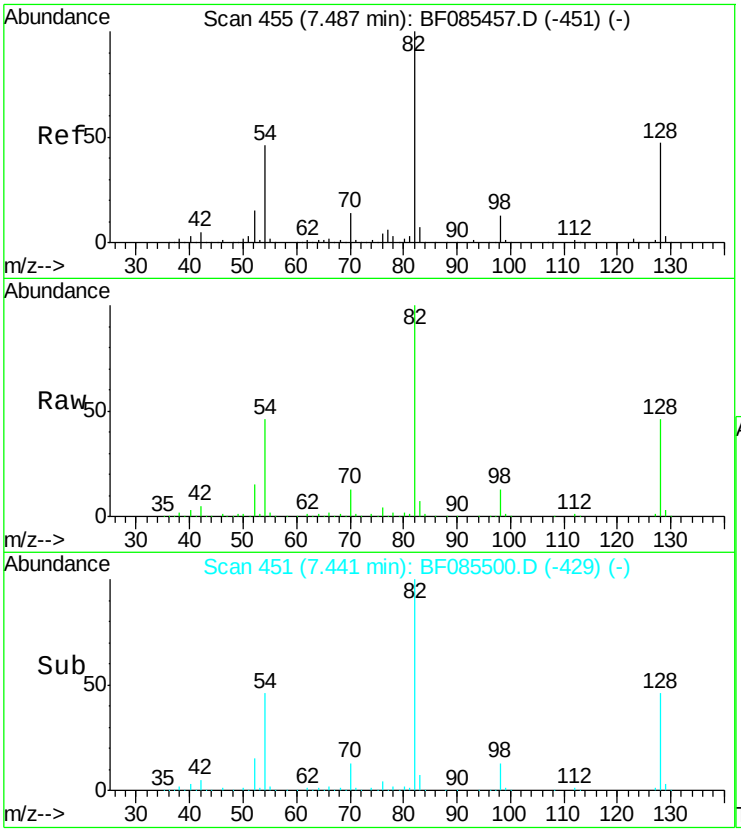


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 514
Delta R.T. -0.05 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Tgt Ion:136 Resp: 597934

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.3	13.9
54	6.7	7.4	11.2#
68	5.9	6.0	9.0#

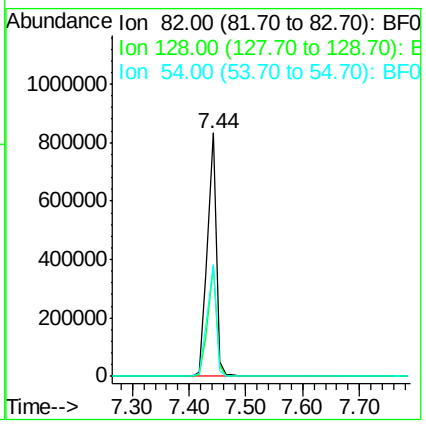




#23
Nitrobenzene-d5
Concen: 85.70 ng
RT: 7.44 min Scan# 451
Delta R.T. -0.05 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Tgt Ion: 82 Resp: 866725

Ion	Ratio	Lower	Upper
82	100		
128	45.6	34.5	51.7
54	45.7	39.3	58.9



Instrument :
BNA_F
ClientSampleId :
SP-1RE

Manual Integrations APPROVED
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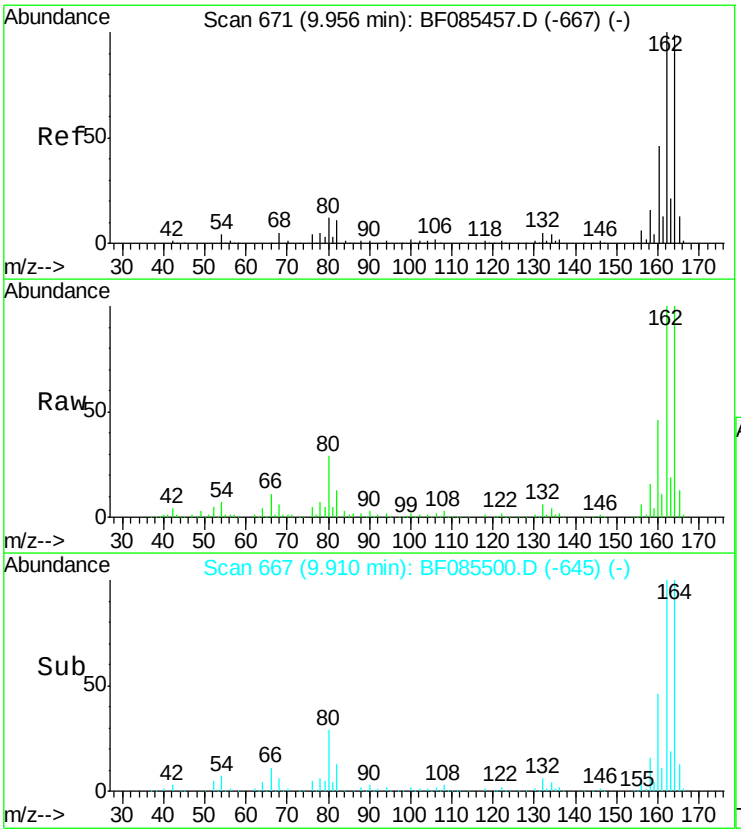
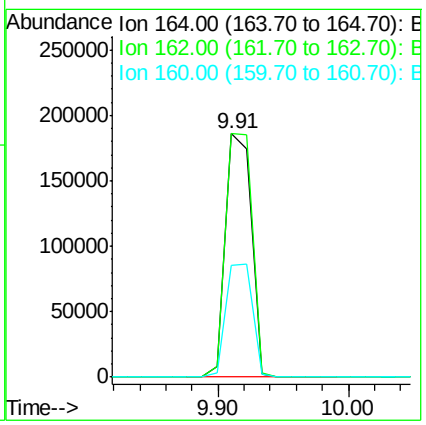
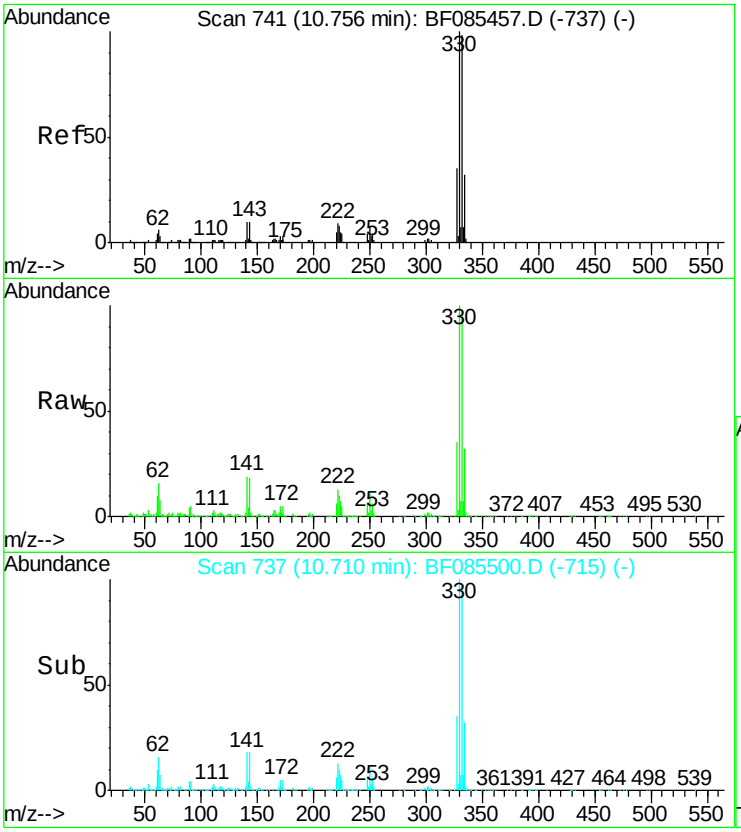


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.91 min Scan# 667
Delta R.T. -0.05 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Tgt Ion:164 Resp: 255397

Ion	Ratio	Lower	Upper
164	100		
162	100.0	83.3	124.9
160	45.9	37.9	56.9

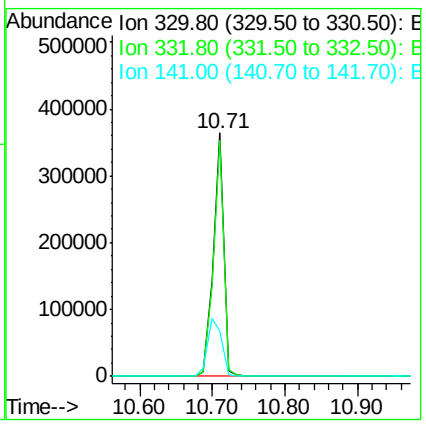




#41
2,4,6-Tribromophenol
Concen: 154.82 ng
RT: 10.71 min Scan# 737
Delta R.T. -0.05 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Tgt Ion:330 Resp: 364183

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.1	115.7
141	32.7	35.0	52.6#



Instrument :
BNA_F
ClientSampleId :
SP-1RE

Manual Integrations APPROVED
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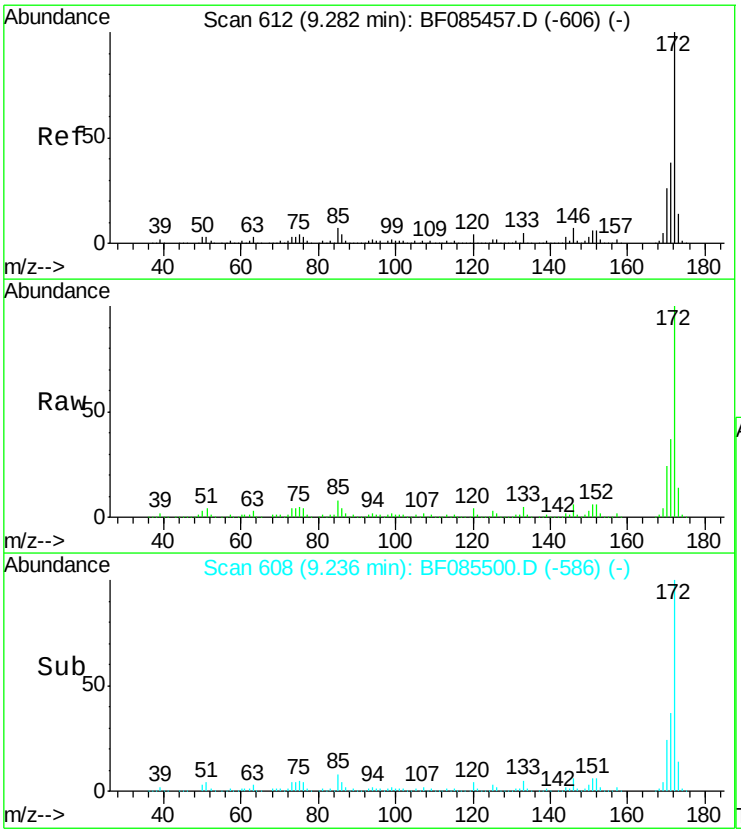
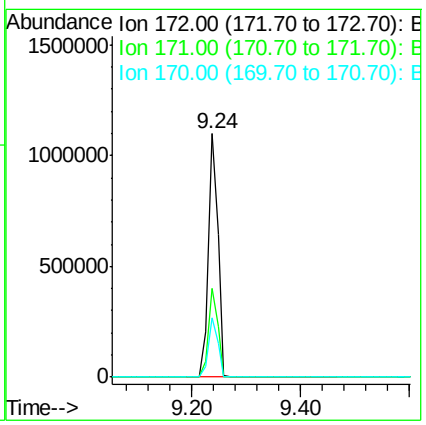
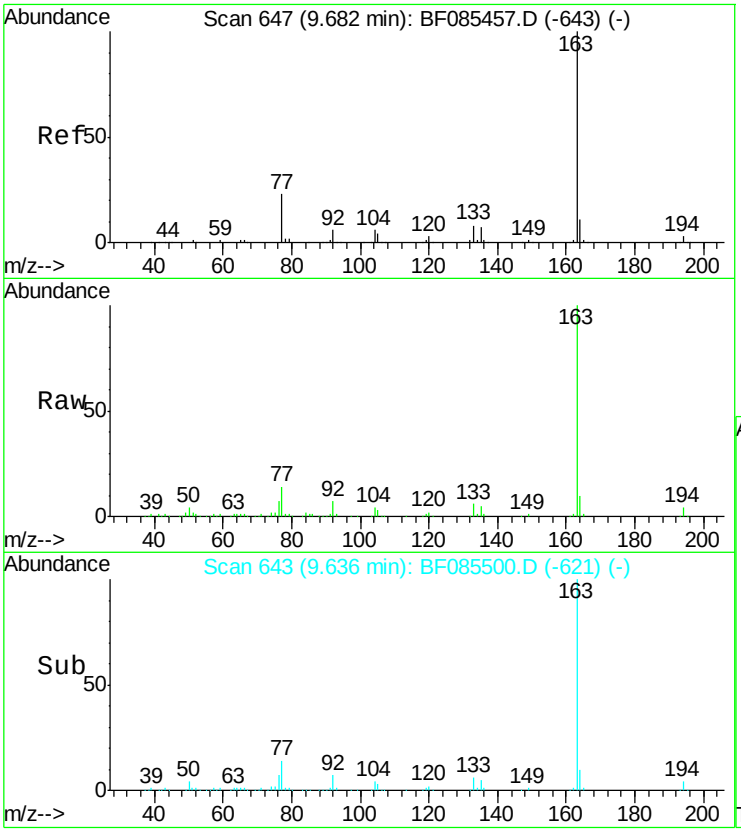


#44
2-Fluorobiphenyl
Concen: 92.05 ng
RT: 9.24 min Scan# 608
Delta R.T. -0.05 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Tgt Ion:172 Resp: 1355135

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.3	43.9
170	24.2	20.0	30.0

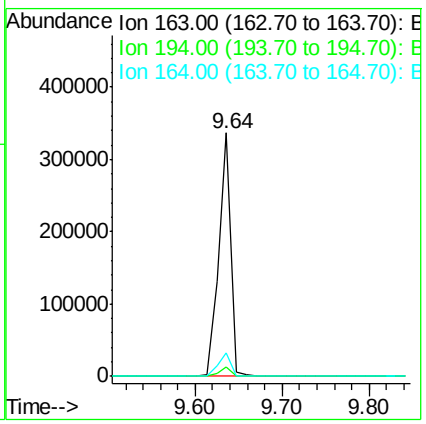




#49
Dimethylphthalate
Concen: 17.70 ng
RT: 9.64 min Scan# 643
Delta R.T. -0.05 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Tgt Ion:163 Resp: 329772

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	9.9	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
SP-1RE

Manual Integrations APPROVED
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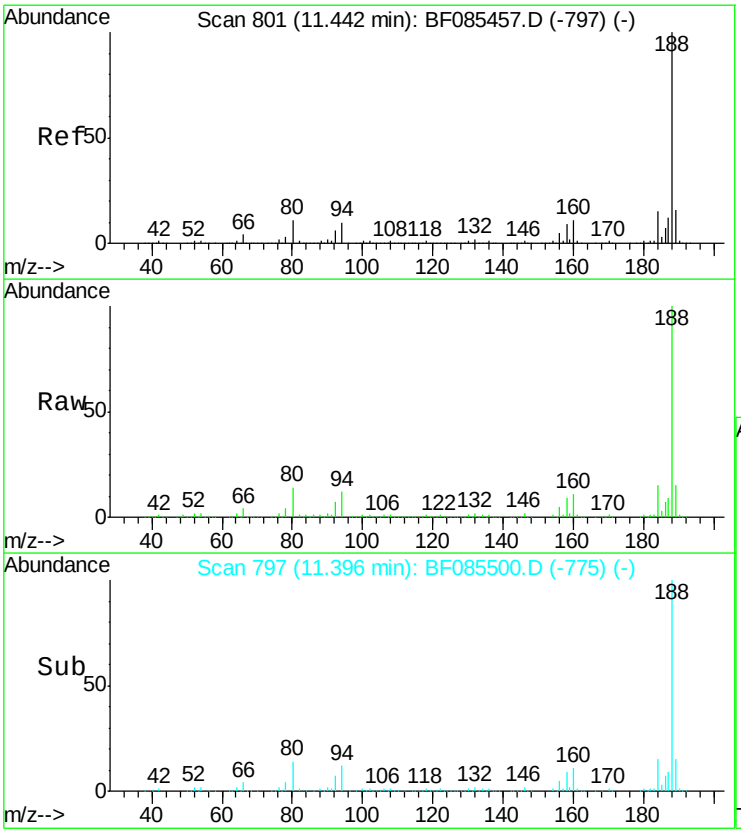
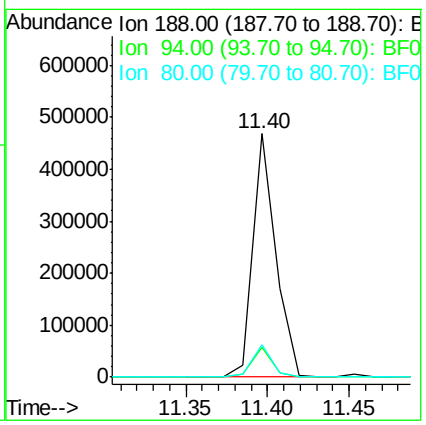
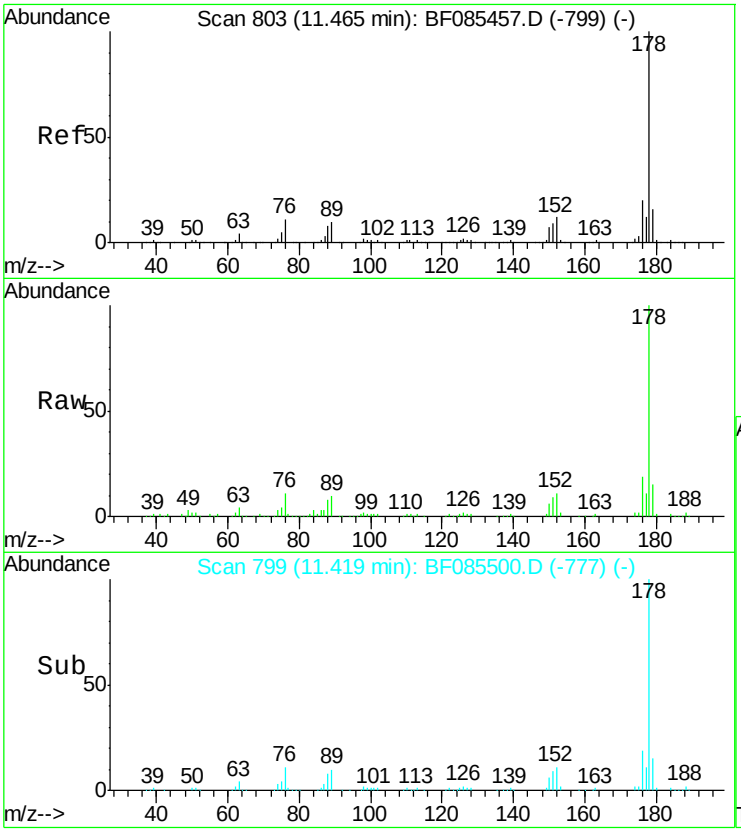


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 797
Delta R.T. -0.05 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Tgt Ion:188 Resp: 459424

Ion	Ratio	Lower	Upper
188	100		
94	12.1	7.0	10.6#
80	13.5	7.4	11.0#

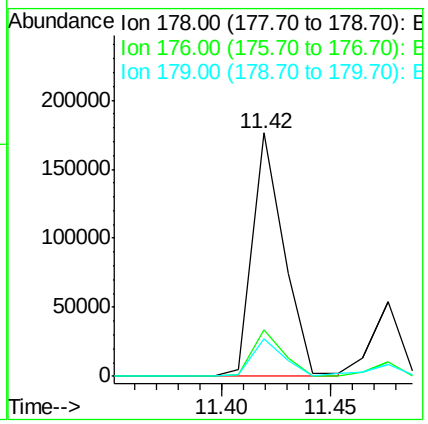




#70
Phenanthrene
Concen: 7.46 ng
RT: 11.42 min Scan# 799
Delta R.T. -0.05 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Tgt Ion:178 Resp: 178612

Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.8	25.2
179	15.2	13.1	19.7



Instrument :
BNA_F
ClientSampleId :
SP-1RE

Manual Integrations APPROVED
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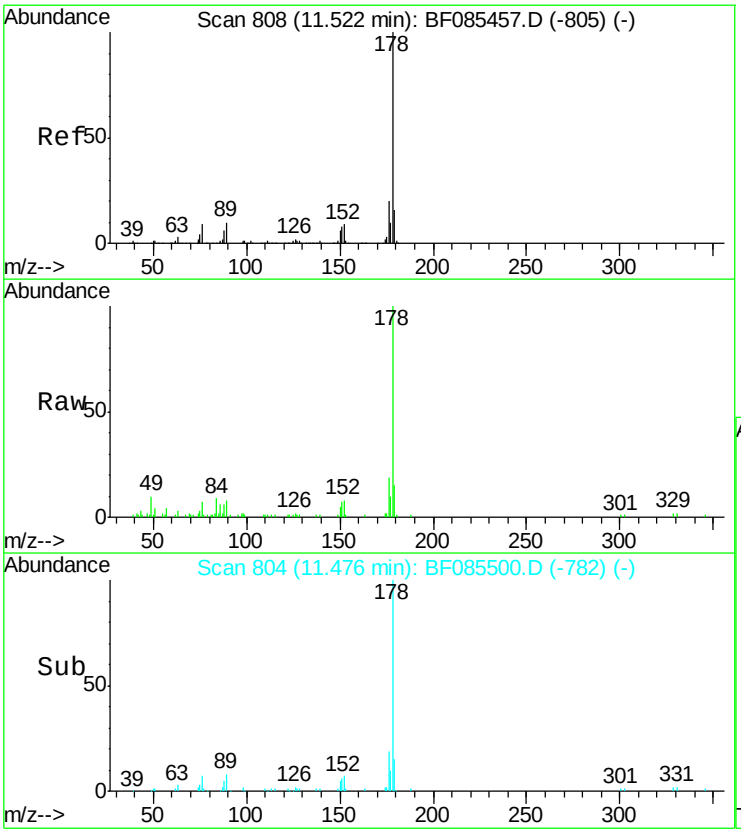
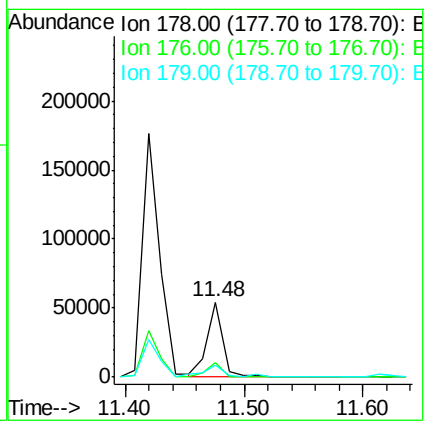
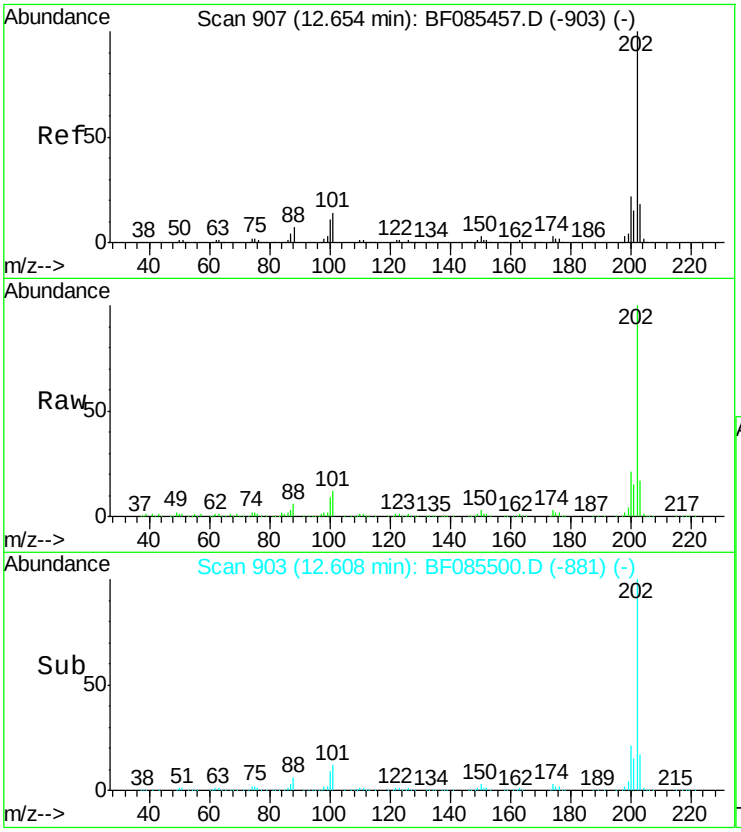


#71
Anthracene
Concen: 2.15 ng
RT: 11.48 min Scan# 804
Delta R.T. -0.05 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Tgt Ion:178 Resp: 52313

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.9	23.9
179	15.4	12.5	18.7

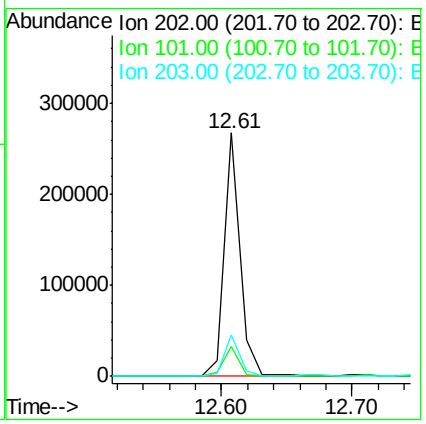




#74
Fluoranthene
Concen: 10.11 ng
RT: 12.61 min Scan# 903
Delta R.T. -0.05 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Tgt Ion:202 Resp: 227351

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	31.8
203	17.3	0.0	38.4



Instrument :
BNA_F
ClientSampleId :
SP-1RE

Manual Integrations APPROVED
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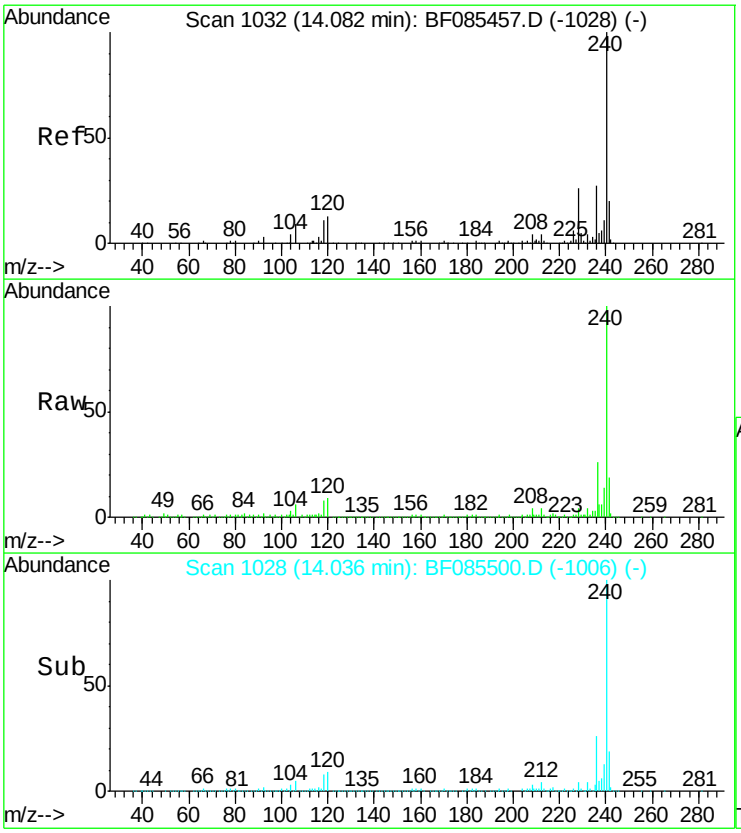
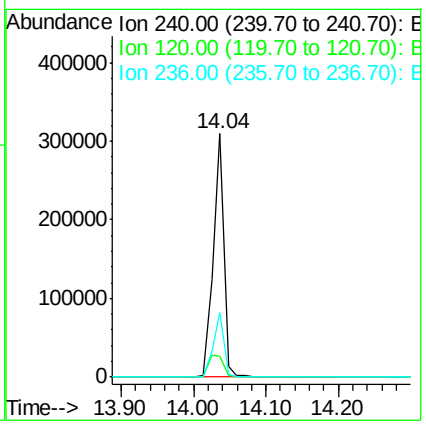
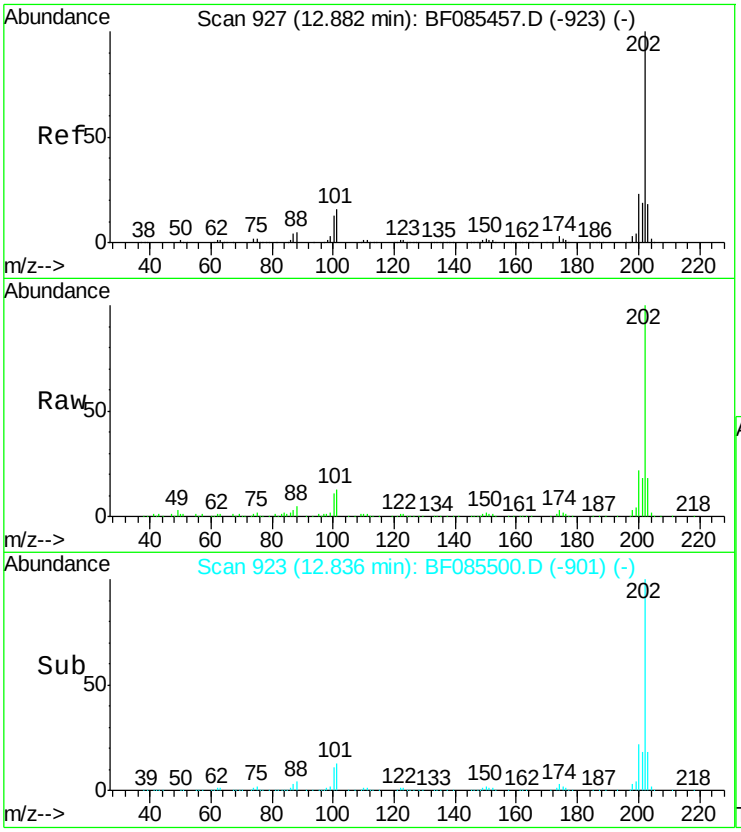


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.04 min Scan# 1028
Delta R.T. -0.05 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Tgt Ion:240 Resp: 315797

Ion	Ratio	Lower	Upper
240	100		
120	8.8	5.3	7.9#
236	26.3	20.7	31.1

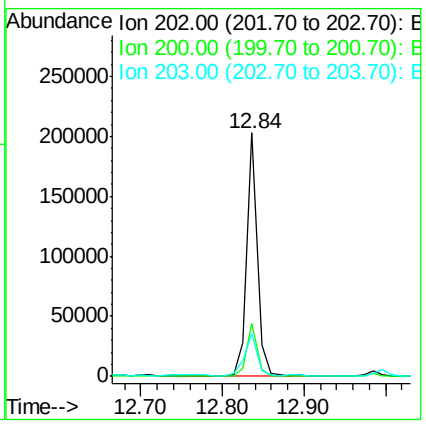




#77
Pyrene
Concen: 7.54 ng
RT: 12.84 min Scan# 923
Delta R.T. -0.05 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Tgt Ion:202 Resp: 178612

Ion	Ratio	Lower	Upper
202	100		
200	21.7	18.2	27.4
203	17.7	14.7	22.1



Instrument :
BNA_F
ClientSampleId :
SP-1RE

Manual Integrations APPROVED
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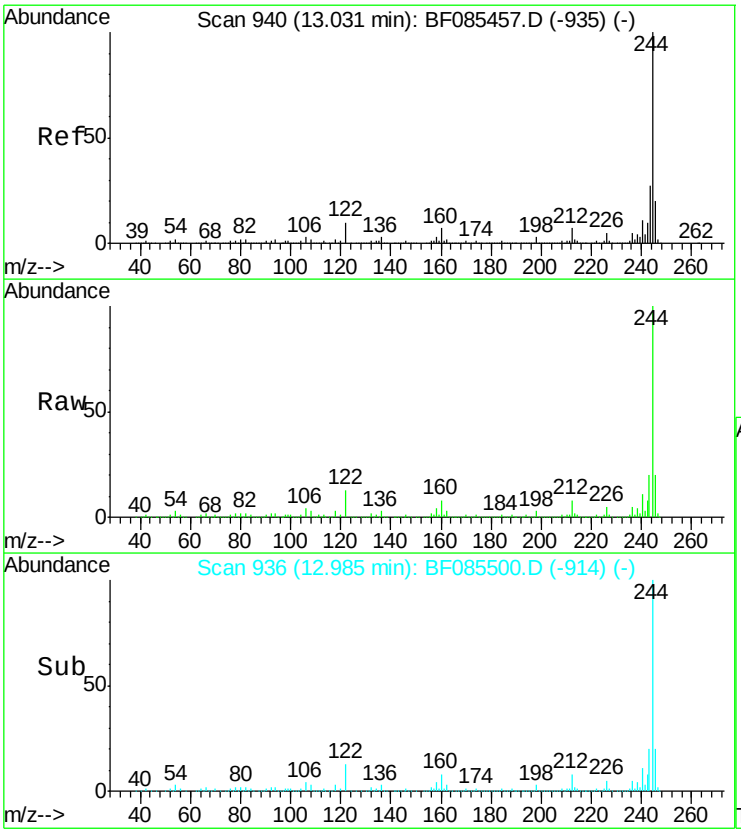
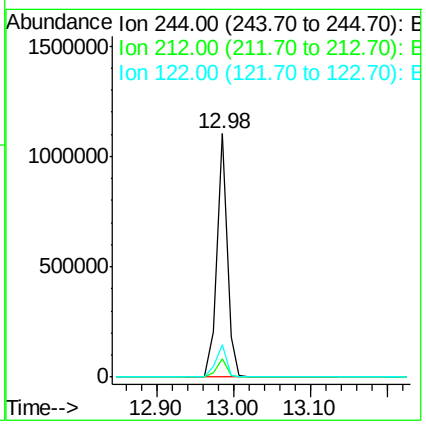
3/18/2016 3:46:01 PM

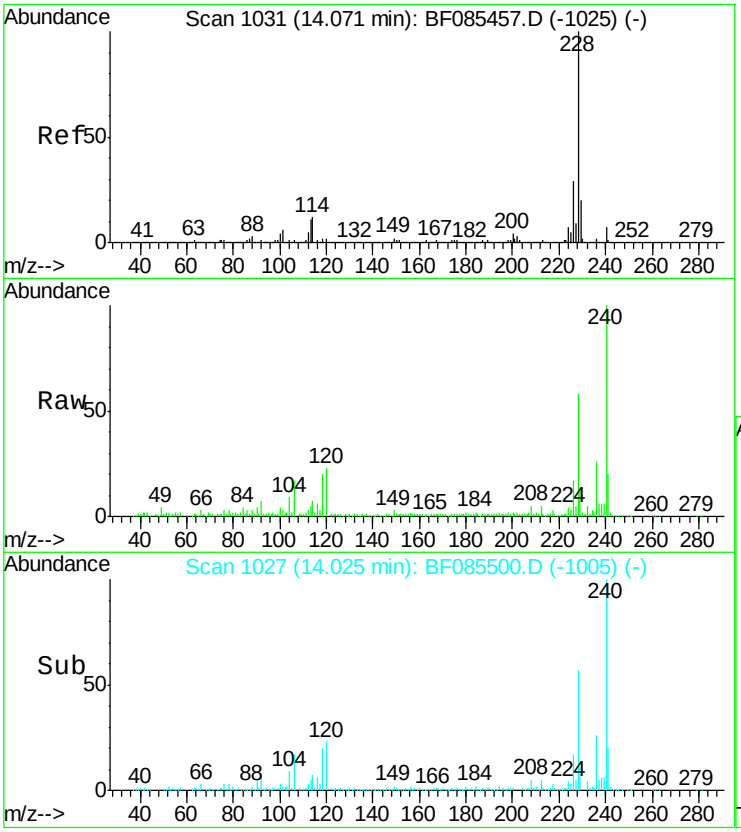


#78
Terphenyl-d14
Concen: 73.75 ng
RT: 12.98 min Scan# 936
Delta R.T. -0.05 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Tgt Ion:244 Resp: 1029504

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.4	9.6
122	13.2	11.4	17.2

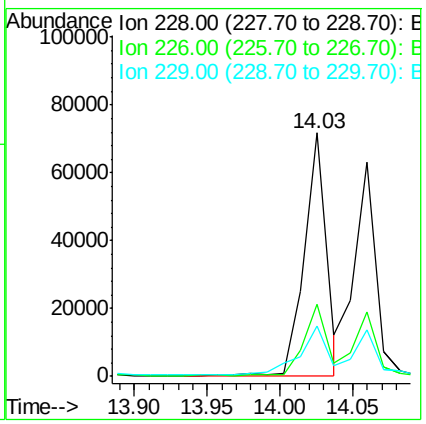




#80
Benzo(a)anthracene
Concen: 4.27 ng m
RT: 14.03 min Scan# 1027
Delta R.T. -0.05 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Tgt Ion:228 Resp: 77254

Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.8	34.2
229	20.4	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
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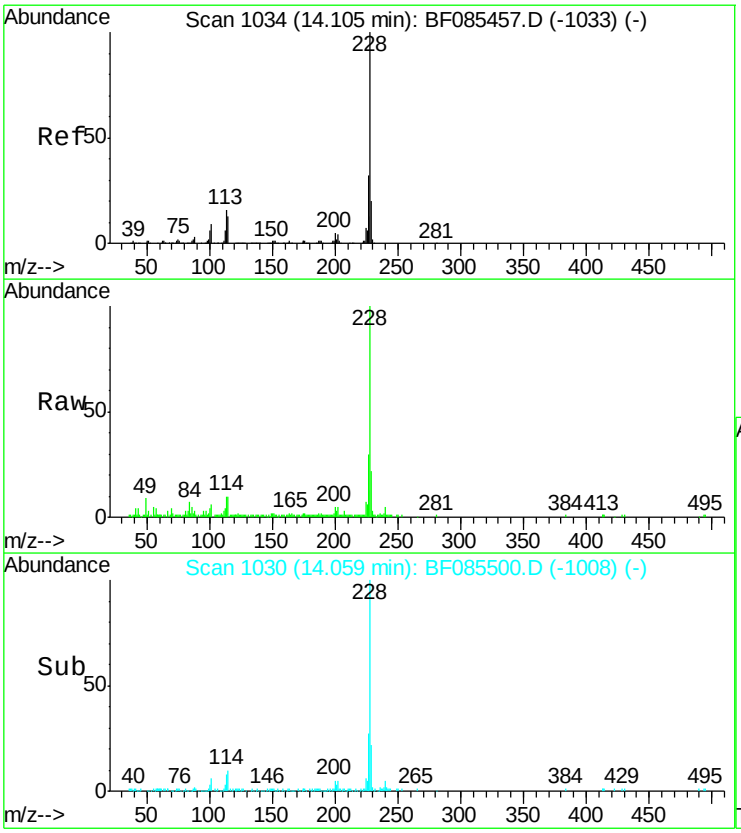
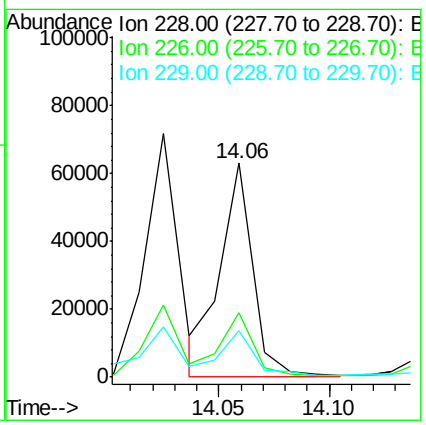
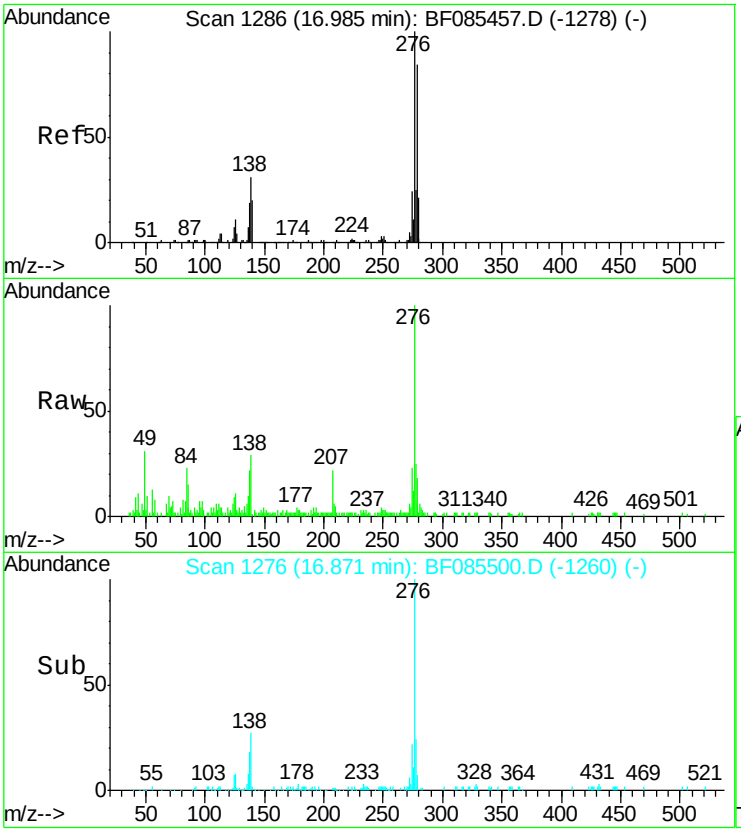


#82
Chrysene
Concen: 4.02 ng m
RT: 14.06 min Scan# 1030
Delta R.T. -0.05 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Tgt Ion:228 Resp: 65504

Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.2	37.8
229	21.6	16.0	24.0

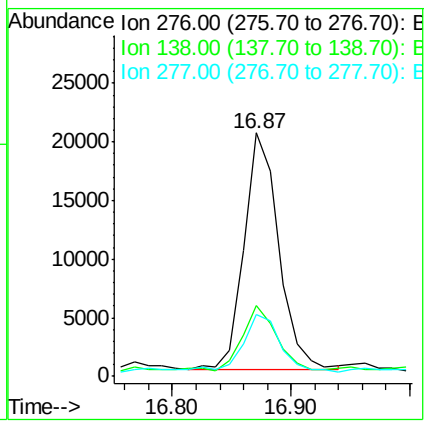




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.67 ng
RT: 16.87 min Scan# 1276
Delta R.T. -0.11 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Tgt Ion:276 Resp: 41148

Ion	Ratio	Lower	Upper
276	100		
138	27.4	26.4	39.6
277	26.9	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
SP-1RE

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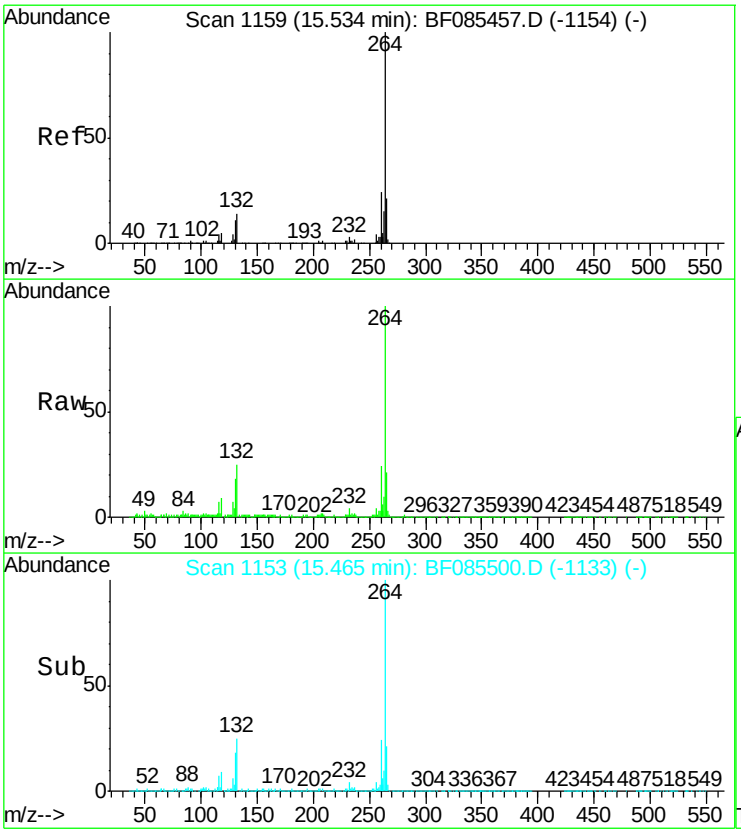
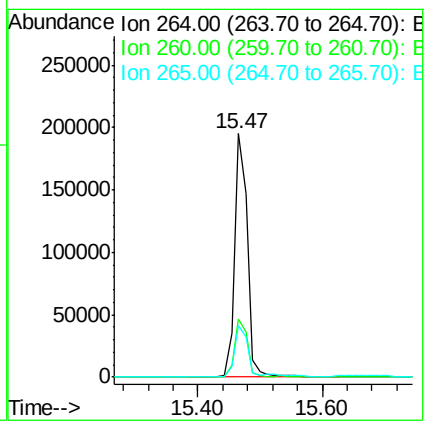
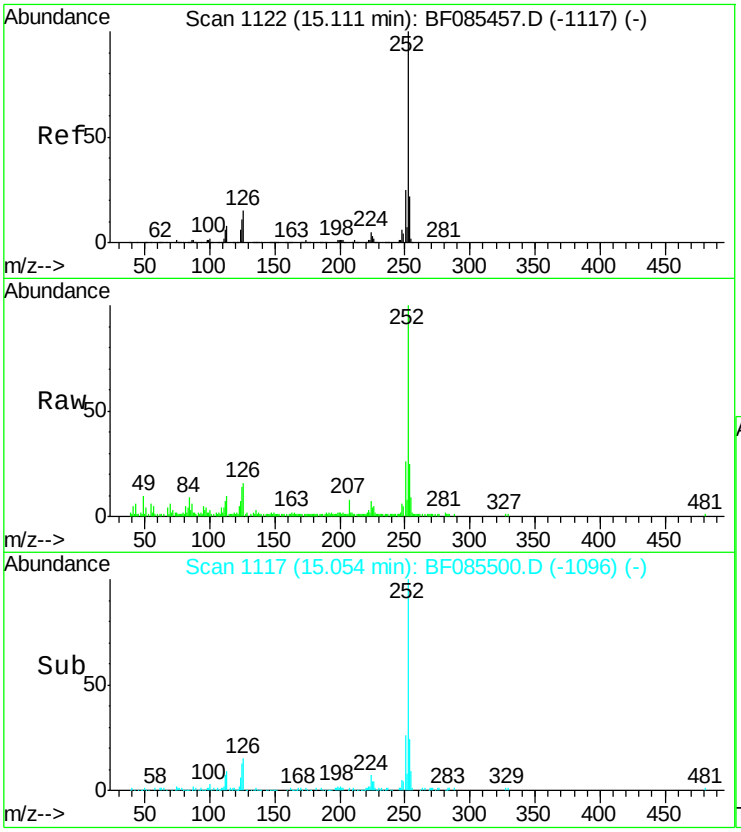


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.47 min Scan# 1153
Delta R.T. -0.07 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Tgt Ion:264 Resp: 280536

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.3	17.3	25.9

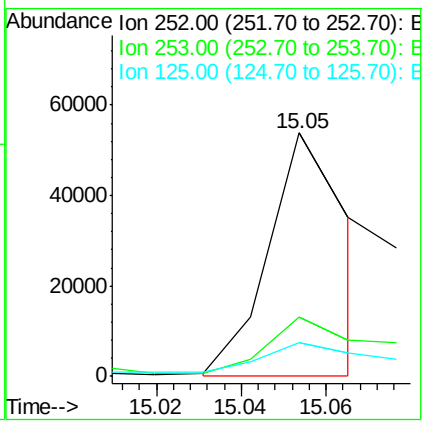




#87
Benzo(b)fluoranthene
Concen: 3.82 ng m
RT: 15.05 min Scan# 1117
Delta R.T. -0.06 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Tgt Ion:252 Resp: 70035

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.6
125	14.0	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
SP-1RE

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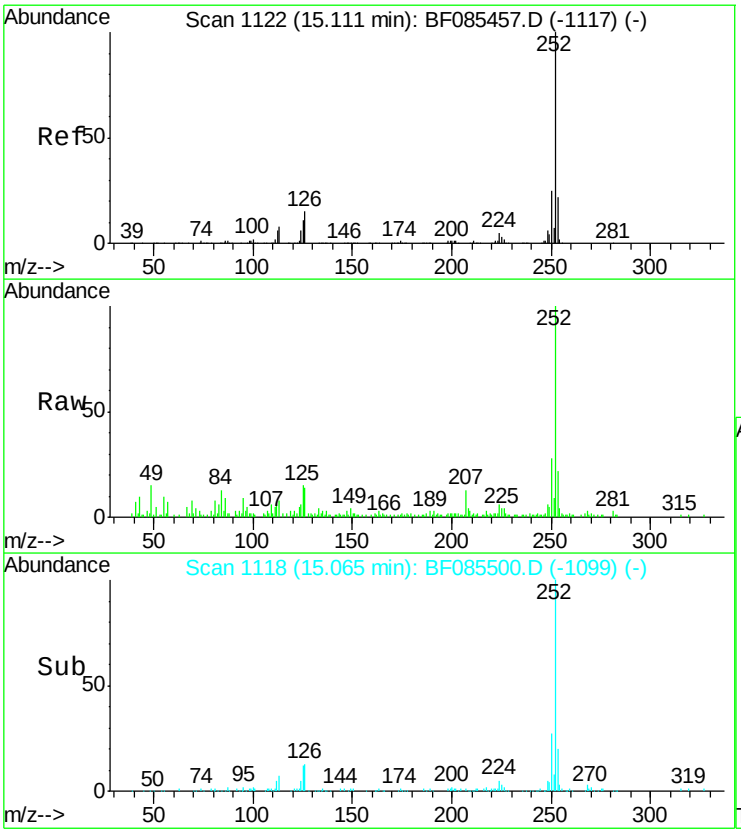
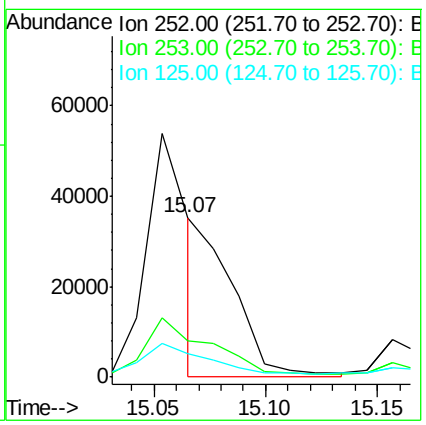
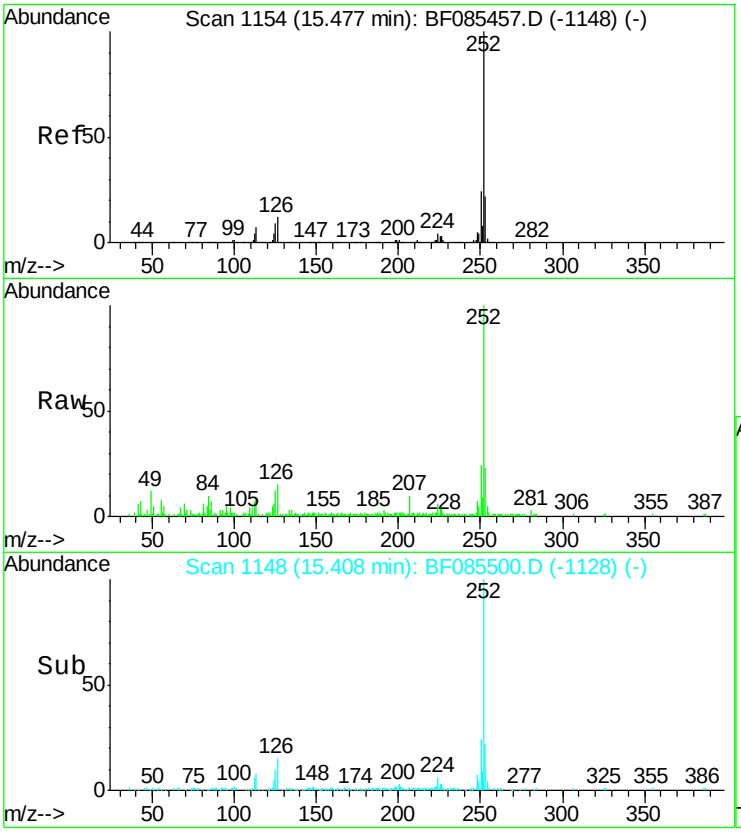


#88
Benzo(k)fluoranthene
Concen: 2.48 ng m
RT: 15.07 min Scan# 1118
Delta R.T. -0.08 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Tgt Ion:252 Resp: 35567

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	14.6	10.4	15.6

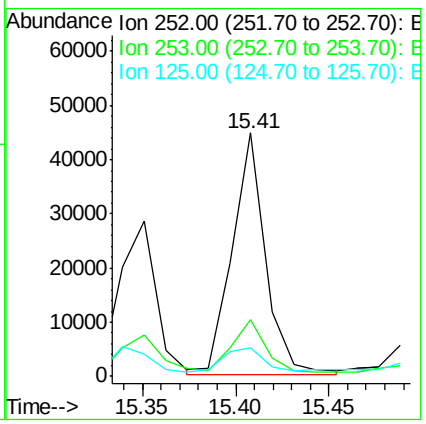




#89
Benzo(a)pyrene
Concen: 3.52 ng
RT: 15.41 min Scan# 1148
Delta R.T. -0.07 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Tgt Ion:252 Resp: 55726

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.0
125	12.0	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
SP-1RE

Manual Integrations APPROVED
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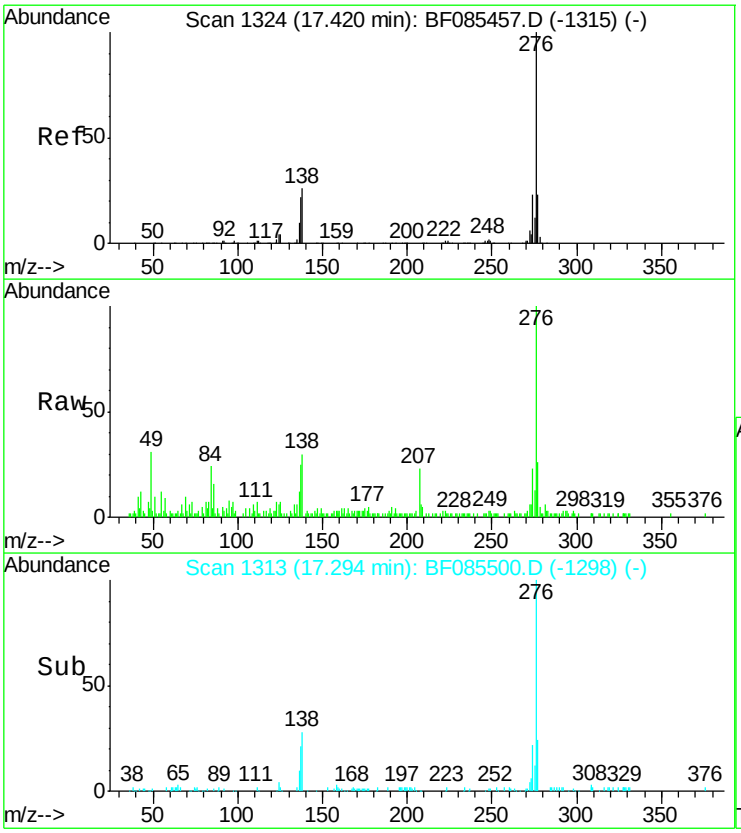

#91
Benzo(g,h,i)perylene
Concen: 3.00 ng
RT: 17.29 min Scan# 1313
Delta R.T. -0.13 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Tgt Ion:276 Resp: 47395

Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.0	28.4
138	29.8	22.5	33.7