Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030916\
Data File : BF085324.D
Acq On : 10 Mar 2016 3:17
Operator : UM/SJ
Sample : H1722-08
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-28(0.5-2.5)

Manual Integrations APPROVED
UMANGI
3/10/2016 11:17:36 AM

Quant Time: Mar 10 05:40:28 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	172830	20.00	ng		-0.03
21) Naphthalene-d8	8.23	136	732382	20.00	ng		-0.03
38) Acenaphthene-d10	9.99	164	332141	20.00	ng		-0.03
63) Phenanthrene-d10	11.48	188	617973	20.00	ng		-0.03
75) Chrysene-d12	14.11	240	306441	20.00	ng		-0.05
86) Perylene-d12	15.57	264	278917	20.00	ng		-0.05
System Monitoring Compounds							
5) 2-Fluorophenol	5.56	112	1220288	118.43	ng		-0.02
7) Phenol-d6	6.57	99	1482580	109.83	ng		-0.03
23) Nitrobenzene-d5	7.51	82	1042150	76.15	ng		-0.03
41) 2,4,6-Tribromophenol	10.78	330	378891	133.32	ng		-0.03
44) 2-Fluorobiphenyl	9.30	172	1458480	66.78	ng		-0.05
78) Terphenyl-d14	13.06	244	1321286	100.09	ng		-0.02
Target Compounds							Qvalue
49) Dimethylphthalate	9.70	163	471417	18.49	ng		99
70) Phenanthrene	11.50	178	100172	3.09	ng		95
74) Fluoranthene	12.69	202	187965	5.78	ng		95
77) Pyrene	12.92	202	169755	7.36	ng		97
80) Benzo(a)anthracene	14.09	228	68401	3.73	ng		97
82) Chrysene	14.14	228	49655m	2.93	ng		
85) Indeno(1,2,3-cd)pyrene	17.03	276	33511	2.53	ng	#	88
87) Benzo(b)fluoranthene	15.15	252	63474m	3.41	ng		
89) Benzo(a)pyrene	15.51	252	48804	3.17	ng	#	94
91) Benzo(g,h,i)perylene	17.47	276	35274	2.67	ng		97

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030916\
Data File : BF085324.D
Acq On : 10 Mar 2016 3:17
Operator : UM/SJ
Sample : H1722-08
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Mar 10 05:40:28 2016
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-28(0.5-2.5)

Manual Integrations APPROVED
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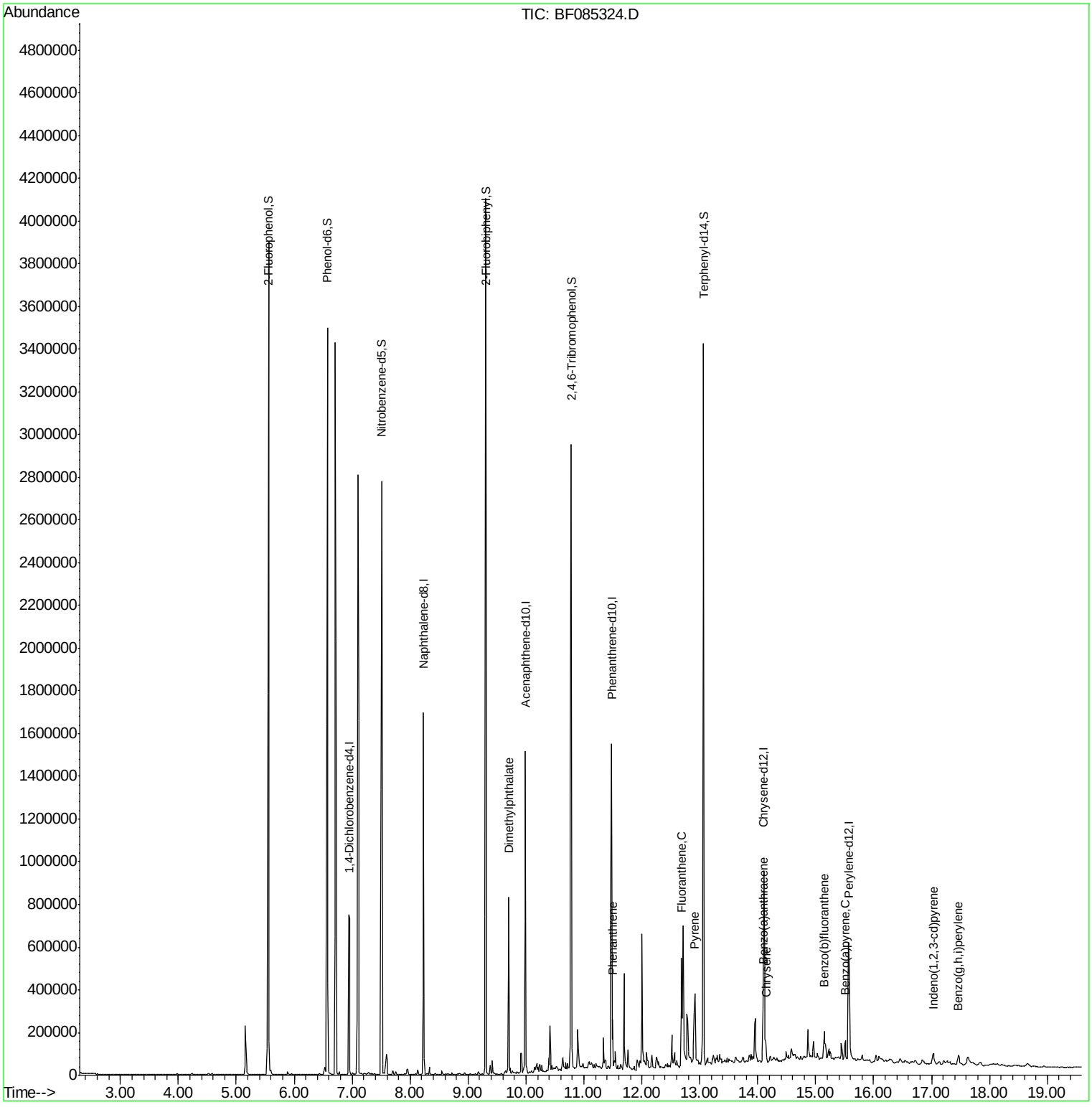
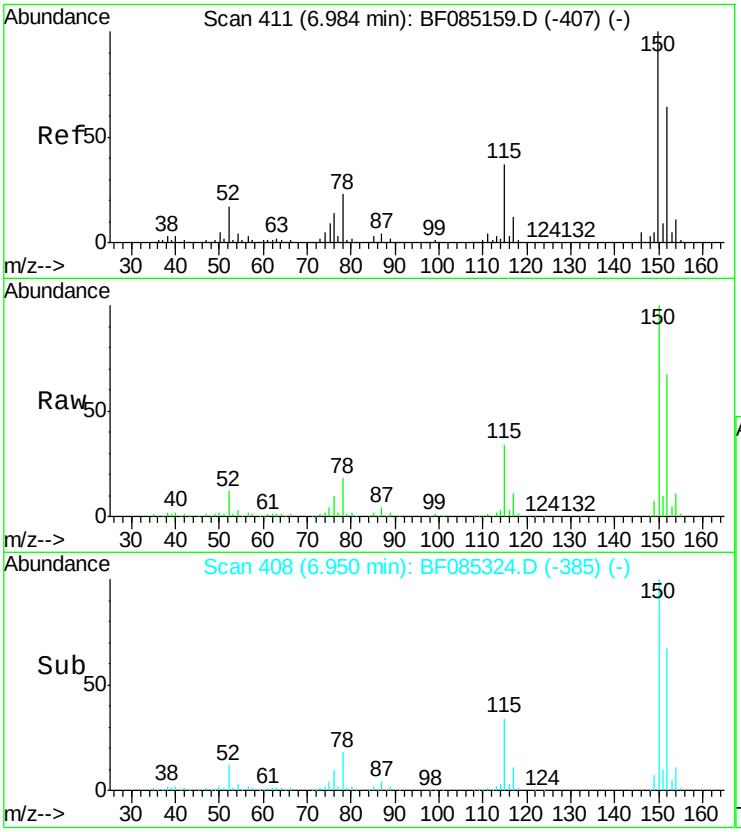
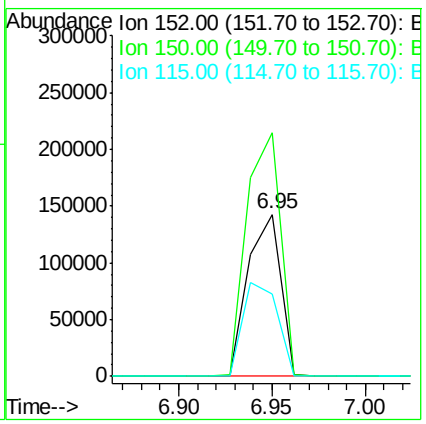




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.95 min Scan# 408
Delta R.T. -0.03 min
Lab File: BF085324.D
Acq: 10 Mar 2016 3:17

Tgt Ion:152 Resp: 172830

Ion	Ratio	Lower	Upper
152	100		
150	150.4	124.6	186.8
115	50.9	46.6	70.0



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-28(0.5-2.5)

Manual Integrations APPROVED
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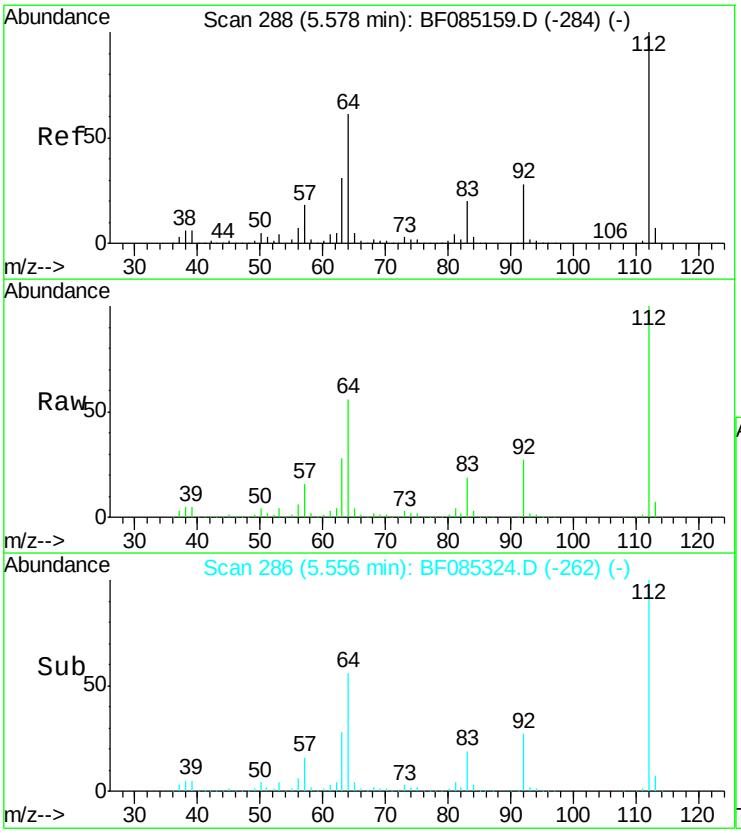
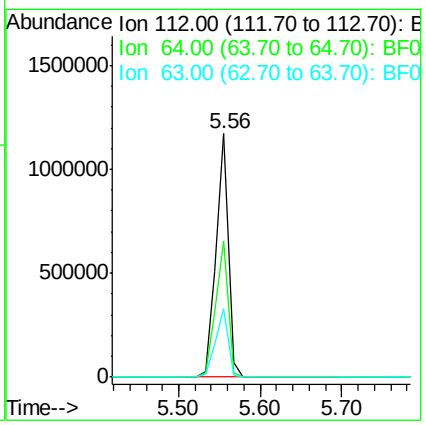
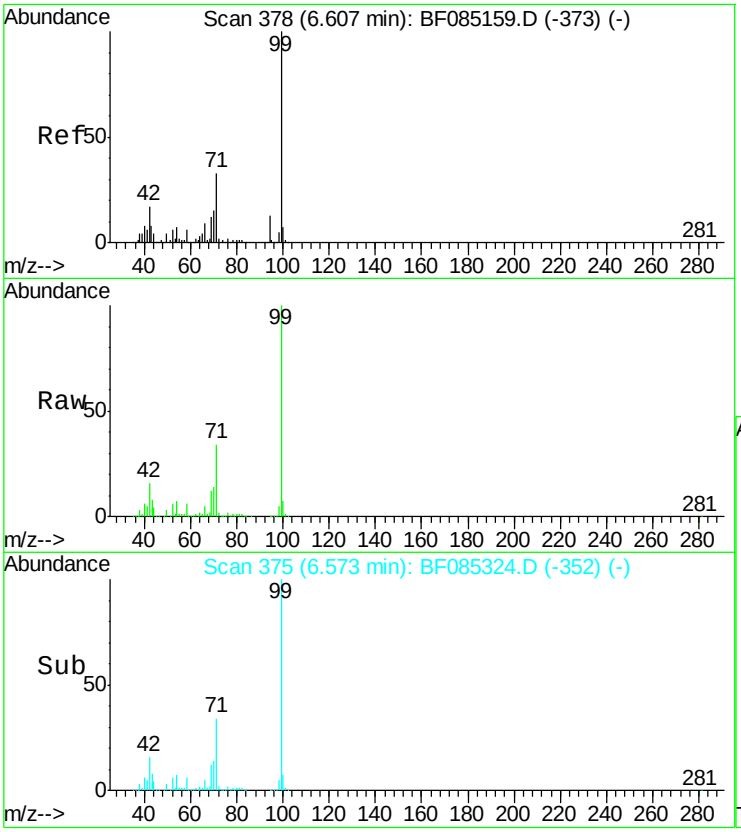


#5
2-Fluorophenol
Concen: 118.43 ng
RT: 5.56 min Scan# 286
Delta R.T. -0.02 min
Lab File: BF085324.D
Acq: 10 Mar 2016 3:17

Tgt Ion:112 Resp: 1220288

Ion	Ratio	Lower	Upper
112	100		
64	55.9	49.0	73.4
63	28.1	24.8	37.2

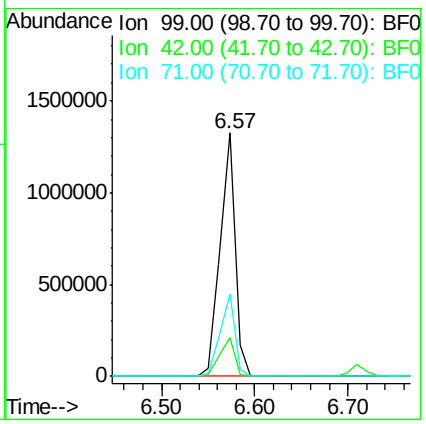




#7
Phenol-d6
Concen: 109.83 ng
RT: 6.57 min Scan# 375
Delta R.T. -0.03 min
Lab File: BF085324.D
Acq: 10 Mar 2016 3:17

Tgt Ion: 99 Resp: 1482580

Ion	Ratio	Lower	Upper
99	100		
42	15.8	13.6	20.4
71	33.8	26.7	40.1



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-28(0.5-2.5)

Manual Integrations APPROVED
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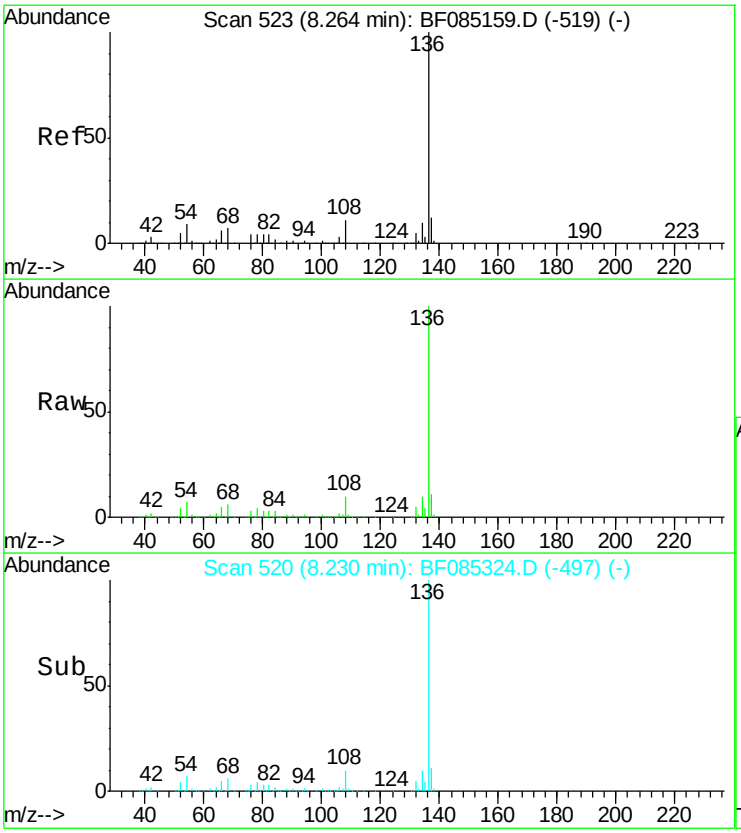
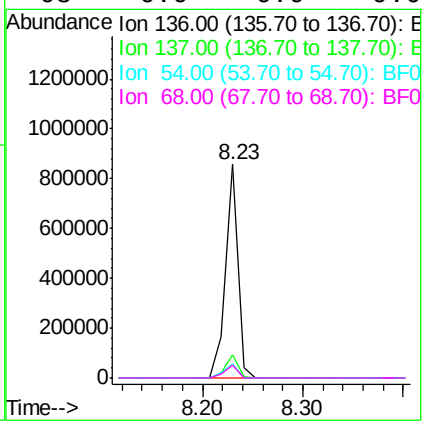
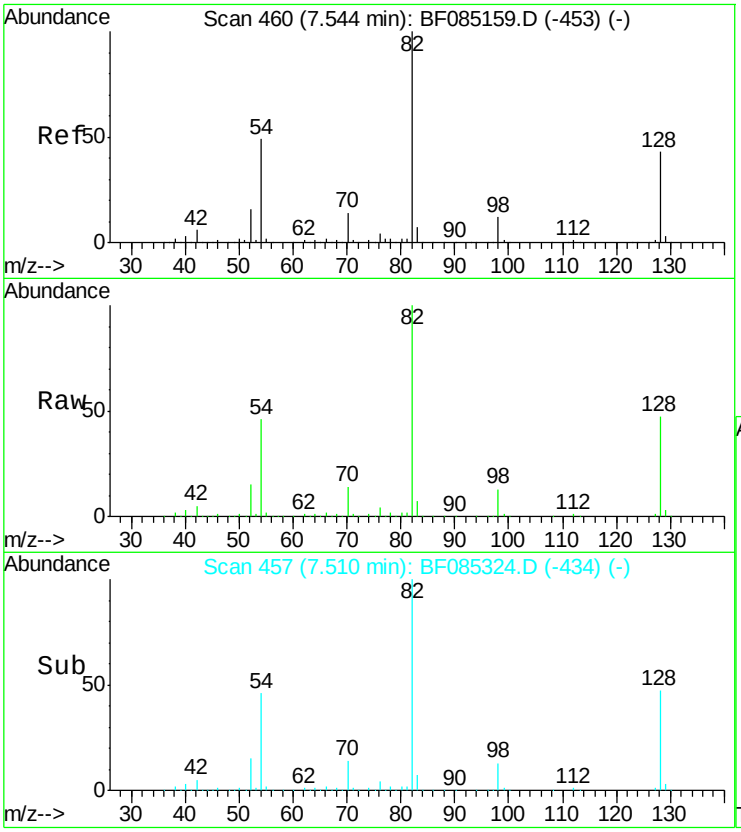


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.23 min Scan# 520
Delta R.T. -0.03 min
Lab File: BF085324.D
Acq: 10 Mar 2016 3:17

Tgt Ion:136 Resp: 732382

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.3	13.9
54	6.7	7.4	11.2#
68	6.0	6.0	9.0

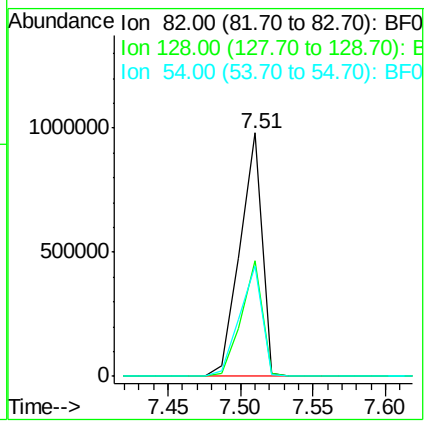




#23
Nitrobenzene-d5
Concen: 76.15 ng
RT: 7.51 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF085324.D
Acq: 10 Mar 2016 3:17

Tgt Ion: 82 Resp: 1042150

Ion	Ratio	Lower	Upper
82	100		
128	47.4	34.5	51.7
54	45.6	39.3	58.9



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-28(0.5-2.5)

Manual Integrations APPROVED
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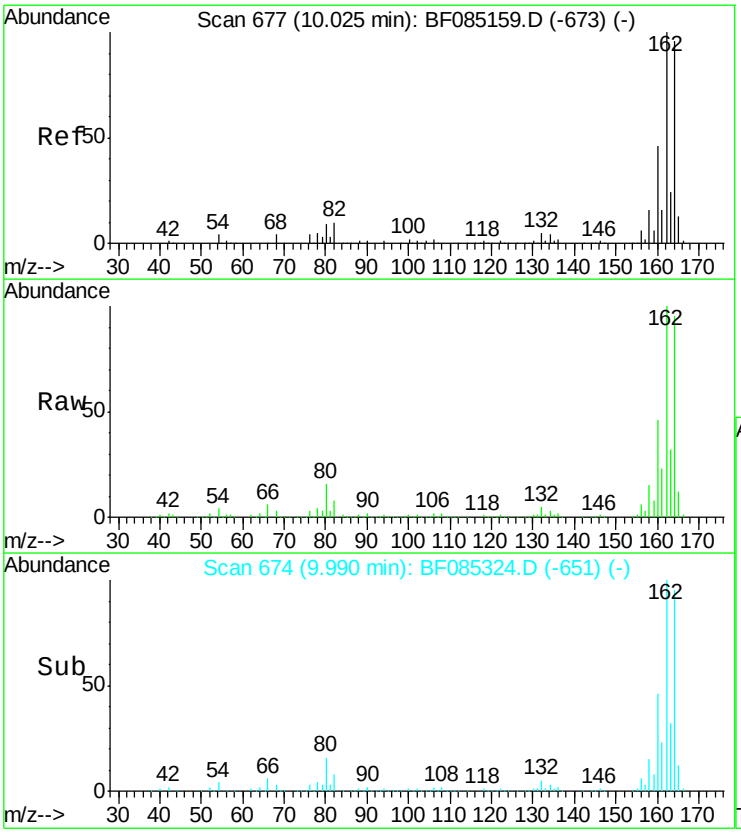
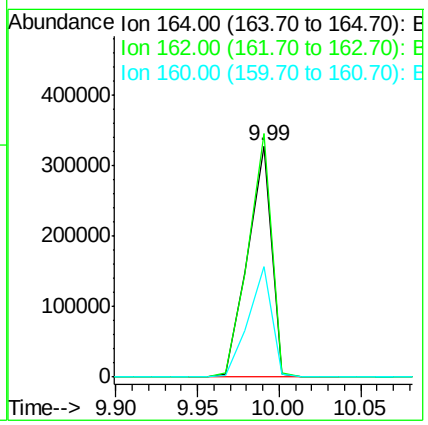
3/10/2016 11:17:36 AM

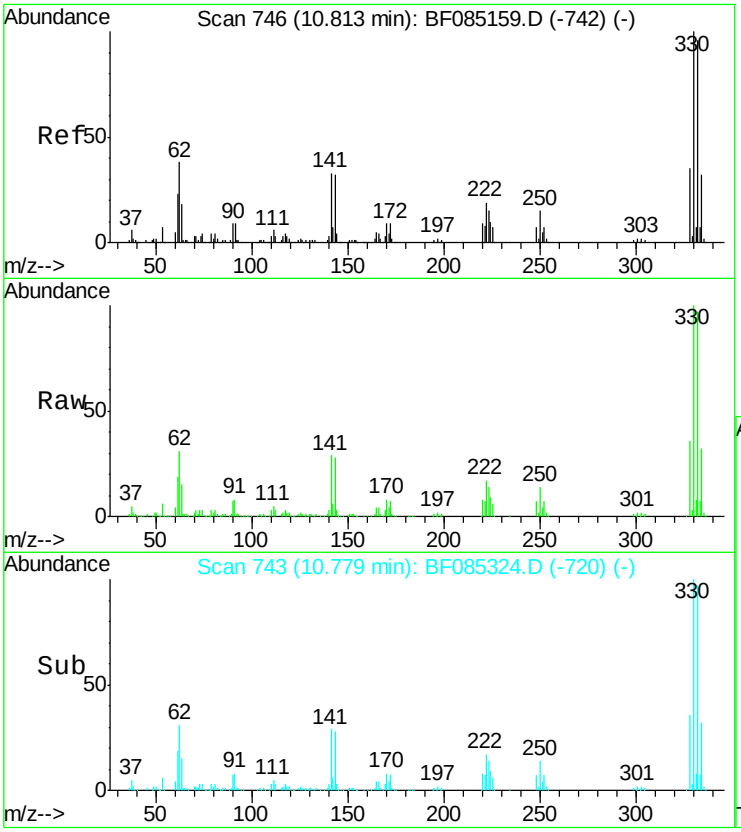


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.99 min Scan# 674
Delta R.T. -0.03 min
Lab File: BF085324.D
Acq: 10 Mar 2016 3:17

Tgt Ion:164 Resp: 332141

Ion	Ratio	Lower	Upper
164	100		
162	105.5	83.3	124.9
160	48.0	37.9	56.9

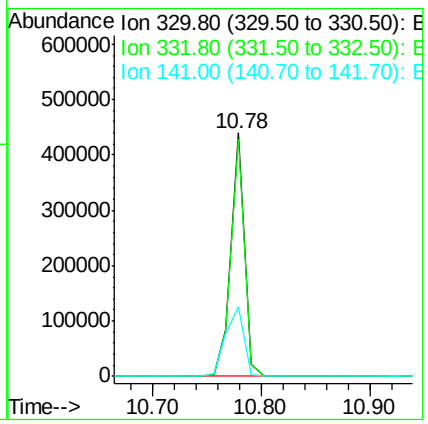




#41
2,4,6-Tribromophenol
Concen: 133.32 ng
RT: 10.78 min Scan# 743
Delta R.T. -0.03 min
Lab File: BF085324.D
Acq: 10 Mar 2016 3:17

Tgt Ion:330 Resp: 378891

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.1	115.7
141	38.3	35.0	52.6



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-28(0.5-2.5)

Manual Integrations APPROVED
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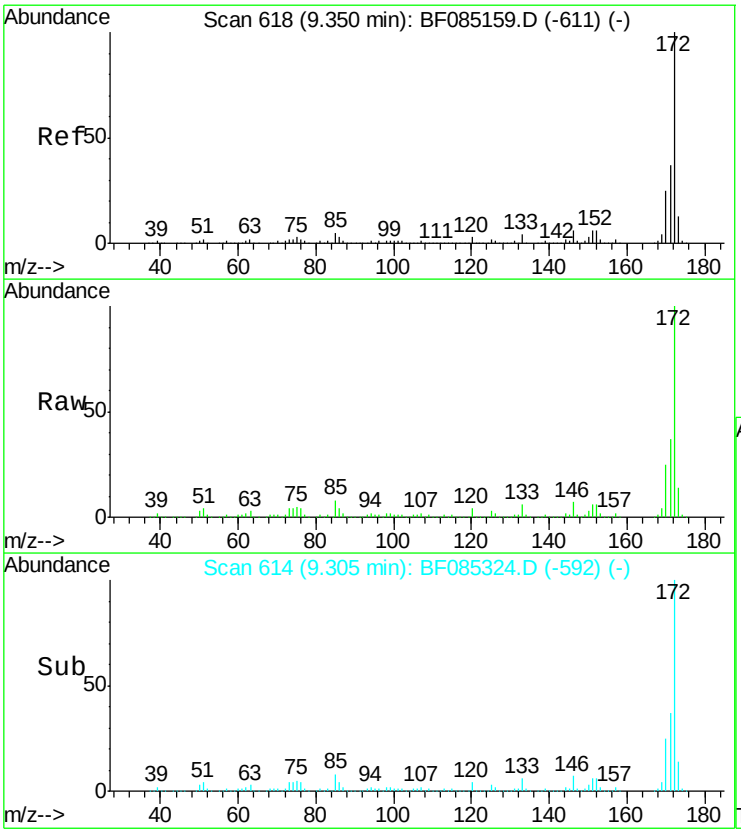
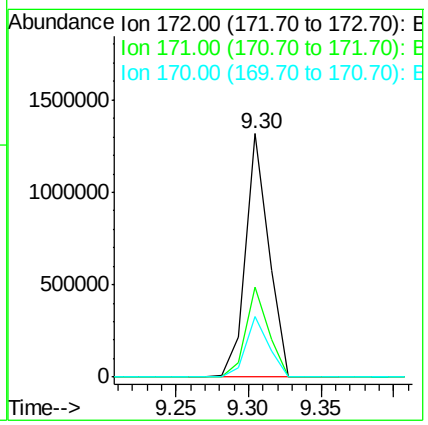
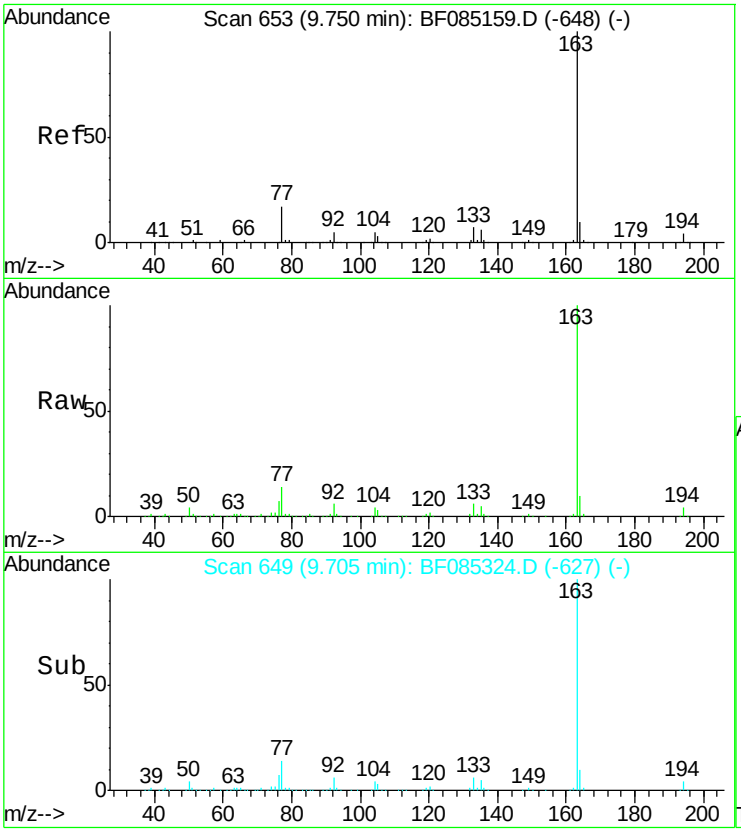


#44
2-Fluorobiphenyl
Concen: 66.78 ng
RT: 9.30 min Scan# 614
Delta R.T. -0.05 min
Lab File: BF085324.D
Acq: 10 Mar 2016 3:17

Tgt Ion:172 Resp: 1458480

Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.3	43.9
170	25.0	20.0	30.0

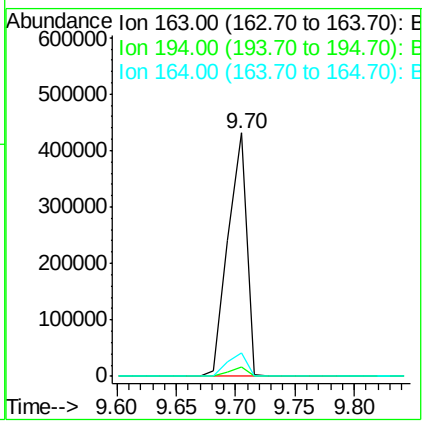




#49
Dimethylphthalate
Concen: 18.49 ng
RT: 9.70 min Scan# 649
Delta R.T. -0.05 min
Lab File: BF085324.D
Acq: 10 Mar 2016 3:17

Tgt Ion:163 Resp: 471417

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	9.8	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-28(0.5-2.5)

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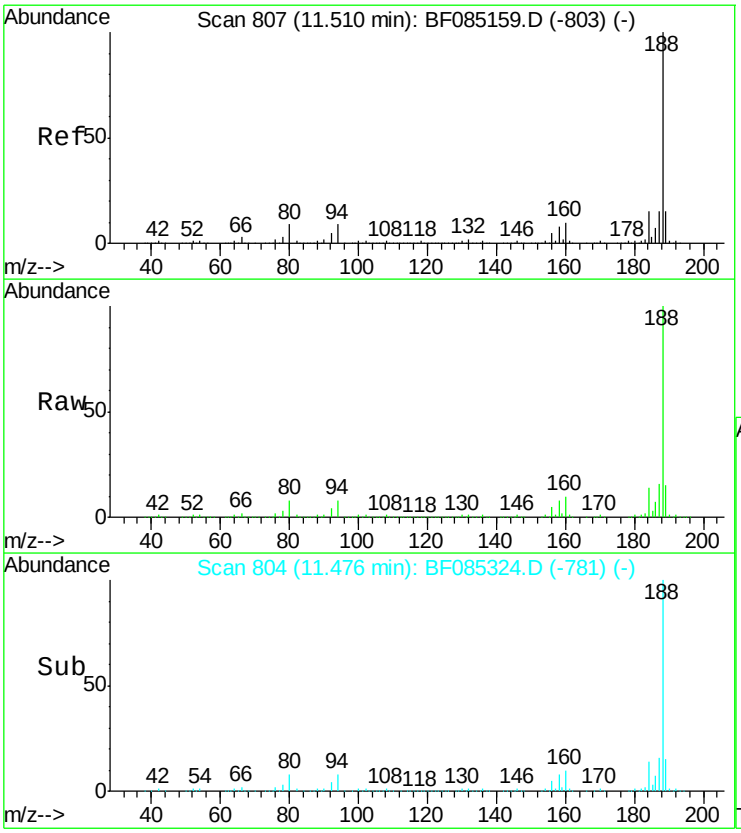
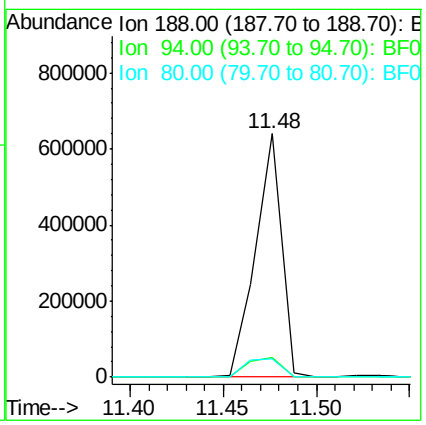
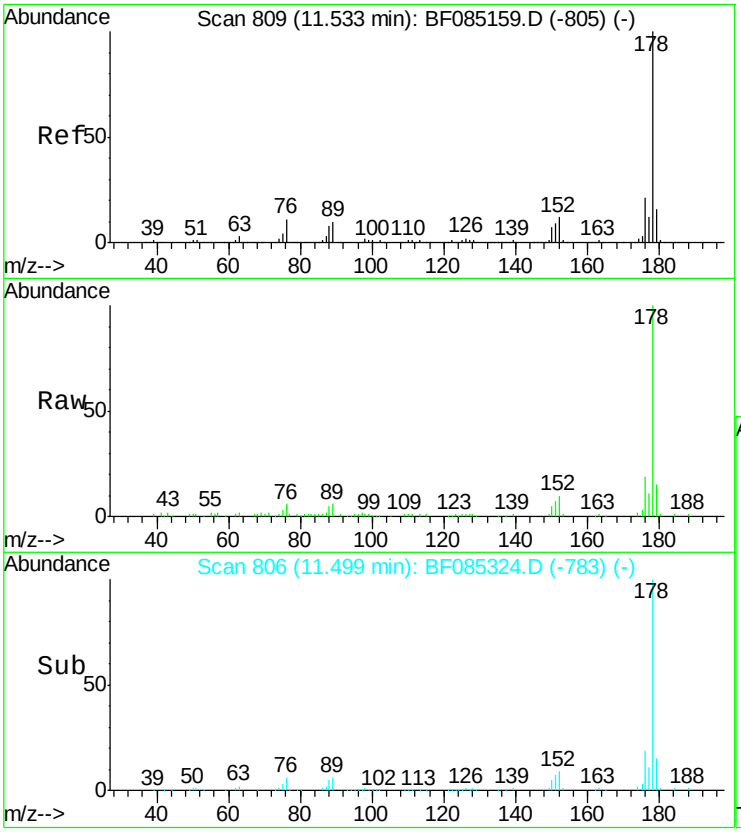


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.48 min Scan# 804
Delta R.T. -0.03 min
Lab File: BF085324.D
Acq: 10 Mar 2016 3:17

Tgt Ion:188 Resp: 617973

Ion	Ratio	Lower	Upper
188	100		
94	7.8	7.0	10.6
80	7.7	7.4	11.0

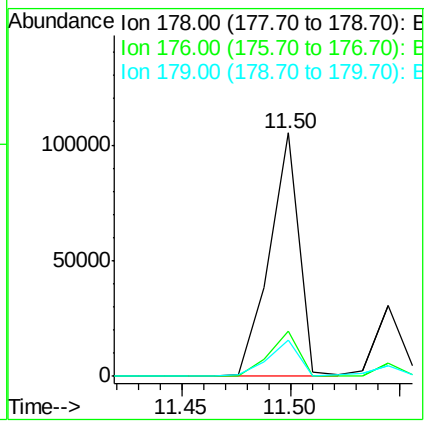




#70
Phenanthrene
Concen: 3.09 ng
RT: 11.50 min Scan# 806
Delta R.T. -0.03 min
Lab File: BF085324.D
Acq: 10 Mar 2016 3:17

Tgt Ion:178 Resp: 100172

Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.8	25.2
179	14.8	13.1	19.7



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-28(0.5-2.5)

Manual Integrations APPROVED
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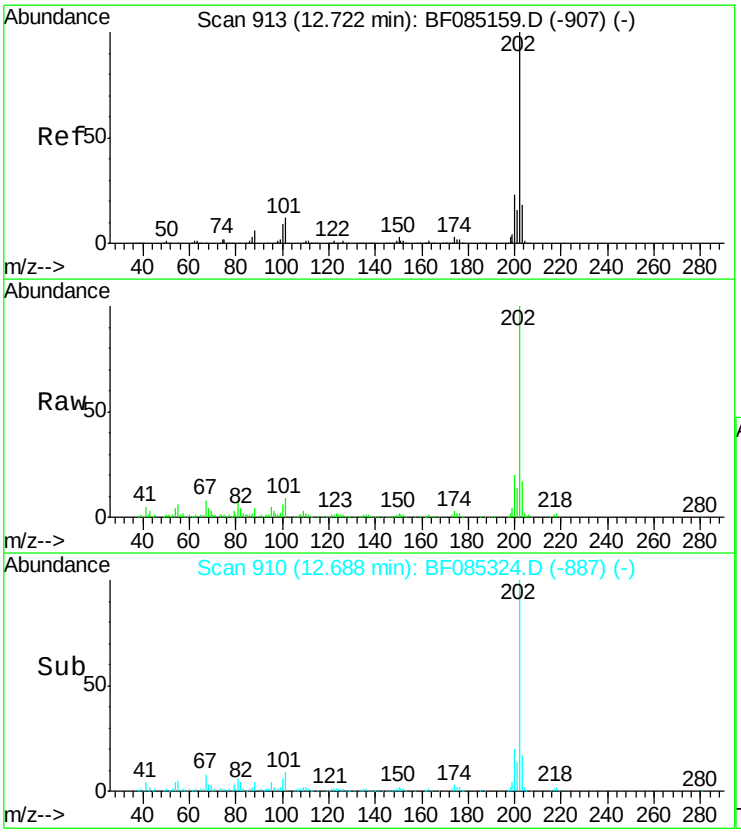
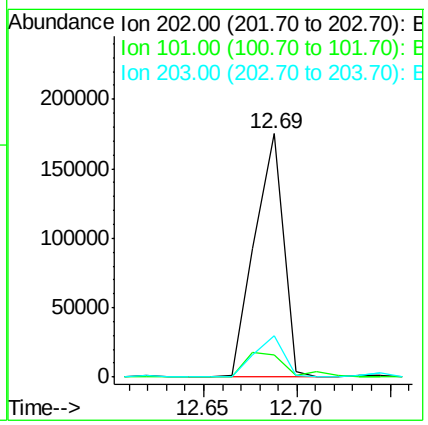
3/10/2016 11:17:36 AM

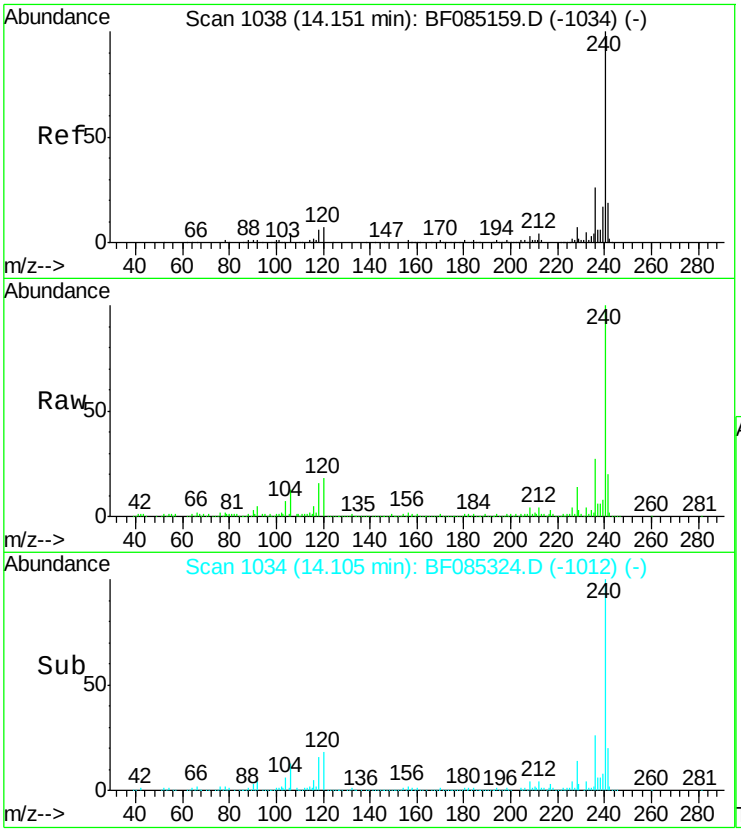


#74
Fluoranthene
Concen: 5.78 ng
RT: 12.69 min Scan# 910
Delta R.T. -0.03 min
Lab File: BF085324.D
Acq: 10 Mar 2016 3:17

Tgt Ion:202 Resp: 187965

Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	31.8
203	17.0	0.0	38.4

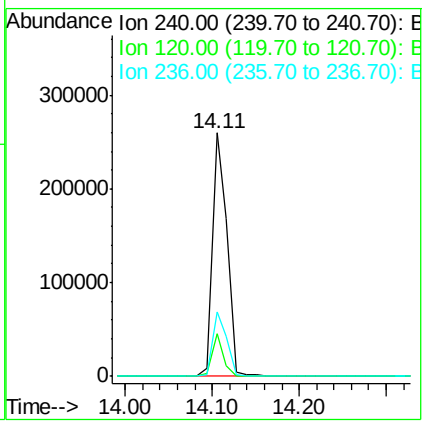




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.11 min Scan# 1034
Delta R.T. -0.05 min
Lab File: BF085324.D
Acq: 10 Mar 2016 3:17

Tgt Ion:240 Resp: 306441

Ion	Ratio	Lower	Upper
240	100		
120	17.6	5.3	7.9#
236	26.6	20.7	31.1



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-28(0.5-2.5)

Manual Integrations APPROVED
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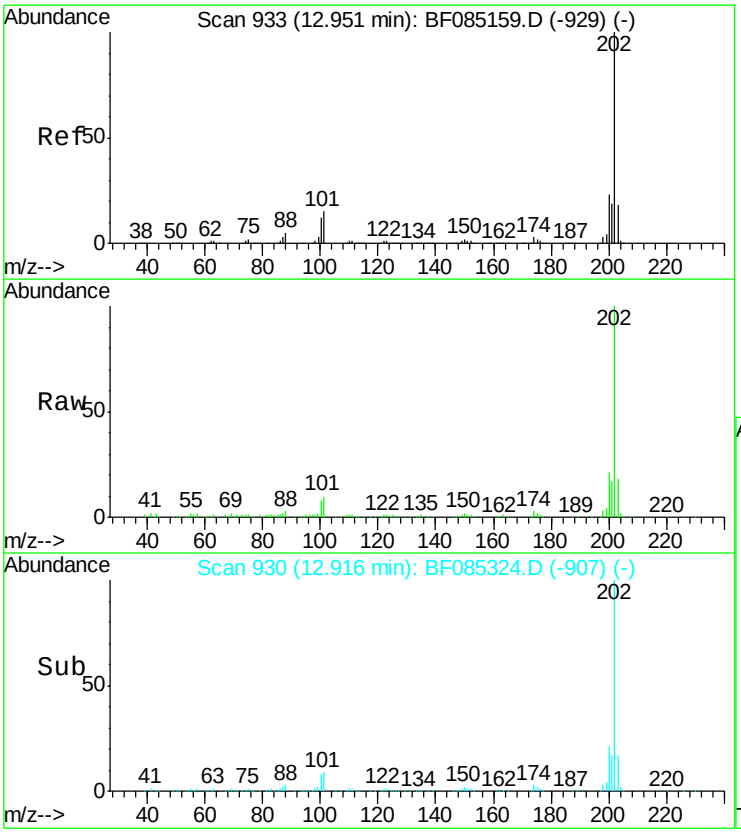
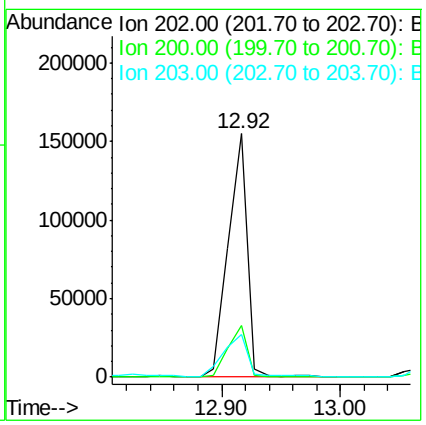
3/10/2016 11:17:36 AM

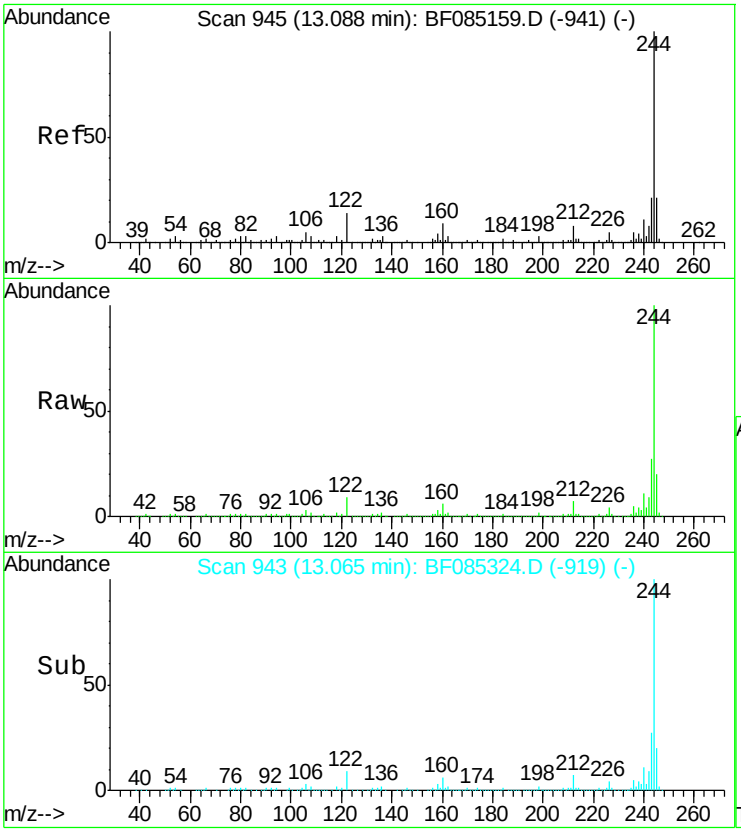


#77
Pyrene
Concen: 7.36 ng
RT: 12.92 min Scan# 930
Delta R.T. -0.03 min
Lab File: BF085324.D
Acq: 10 Mar 2016 3:17

Tgt Ion:202 Resp: 169755

Ion	Ratio	Lower	Upper
202	100		
200	21.3	18.2	27.4
203	17.6	14.7	22.1

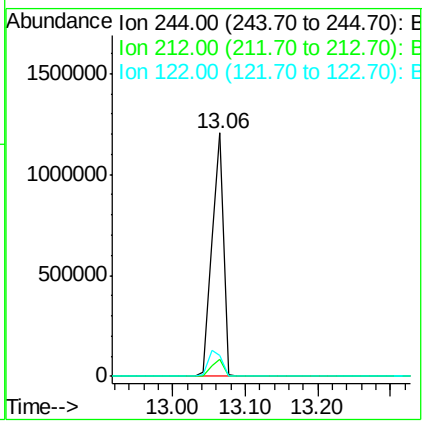




#78
Terphenyl-d14
Concen: 100.09 ng
RT: 13.06 min Scan# 943
Delta R.T. -0.02 min
Lab File: BF085324.D
Acq: 10 Mar 2016 3:17

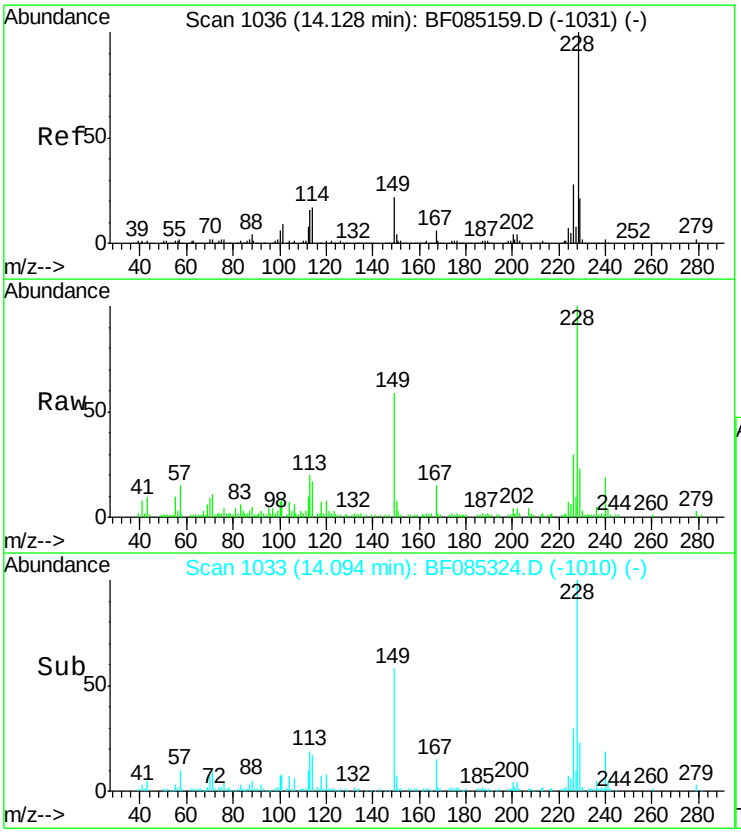
Tgt Ion:244 Resp: 1321286

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.4	9.6
122	8.6	11.4	17.2#



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-28(0.5-2.5)

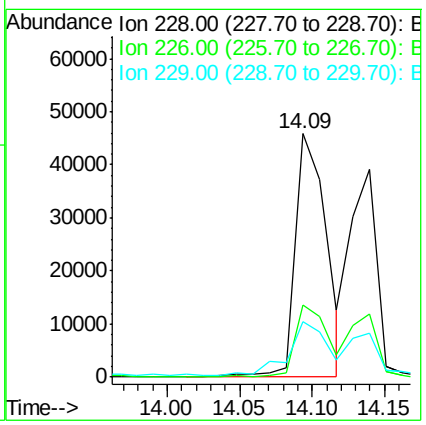
Manual Integrations APPROVED
UMANGI
3/10/2016 11:17:36 AM

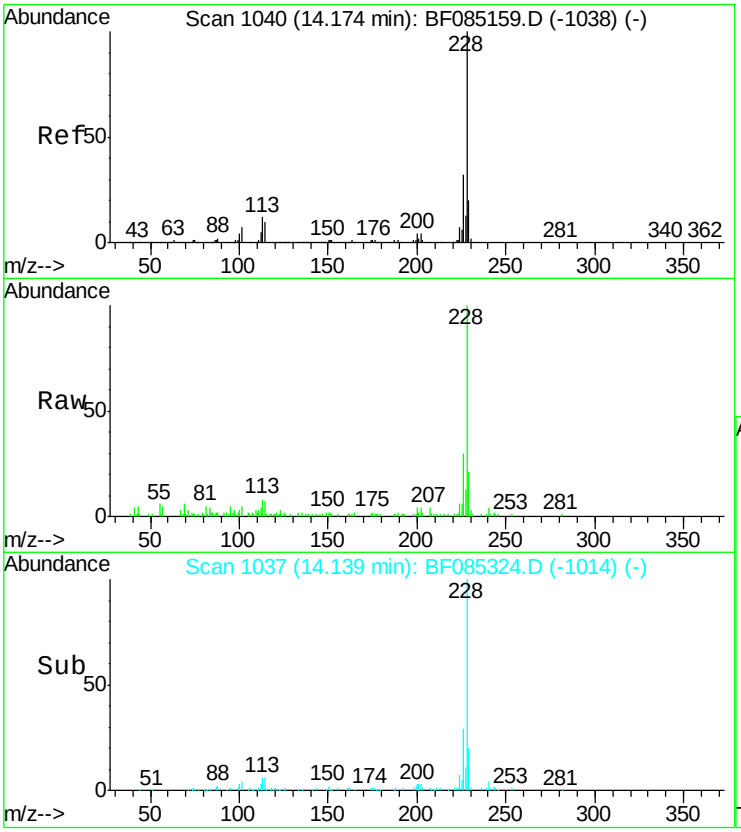


#80
Benzo(a)anthracene
Concen: 3.73 ng
RT: 14.09 min Scan# 1033
Delta R.T. -0.03 min
Lab File: BF085324.D
Acq: 10 Mar 2016 3:17

Tgt Ion:228 Resp: 68401

Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.8	34.2
229	22.8	16.6	24.8

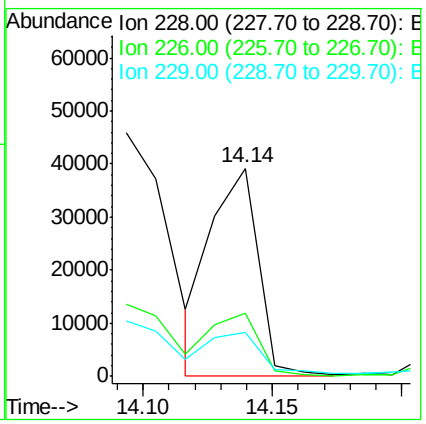




#82
Chrysene
Concen: 2.93 ng m
RT: 14.14 min Scan# 1037
Delta R.T. -0.03 min
Lab File: BF085324.D
Acq: 10 Mar 2016 3:17

Tgt Ion:228 Resp: 49655

Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.2	37.8
229	20.9	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-28(0.5-2.5)

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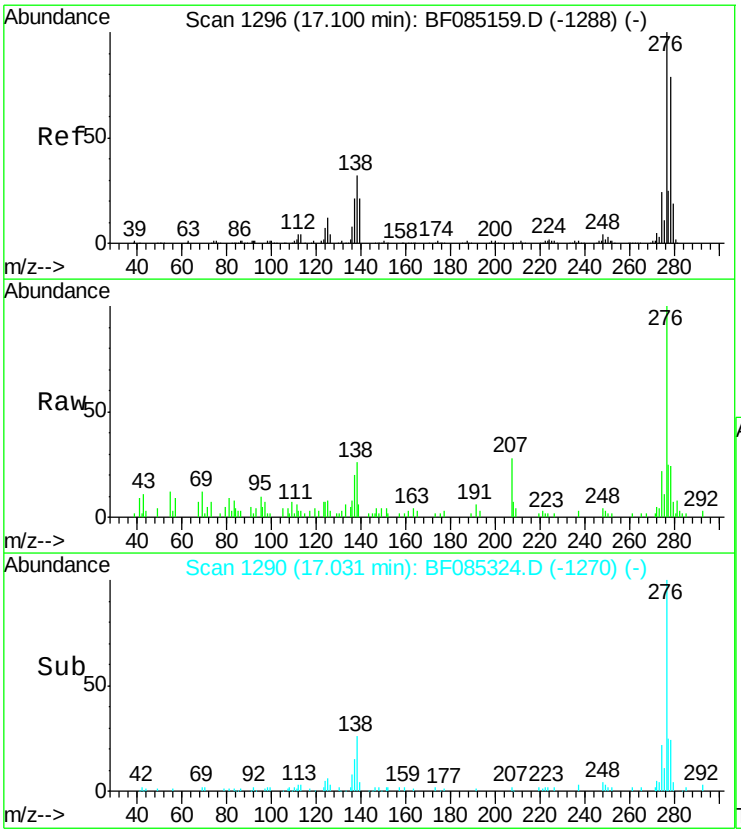
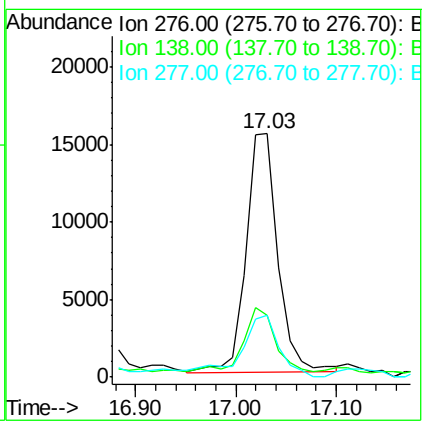
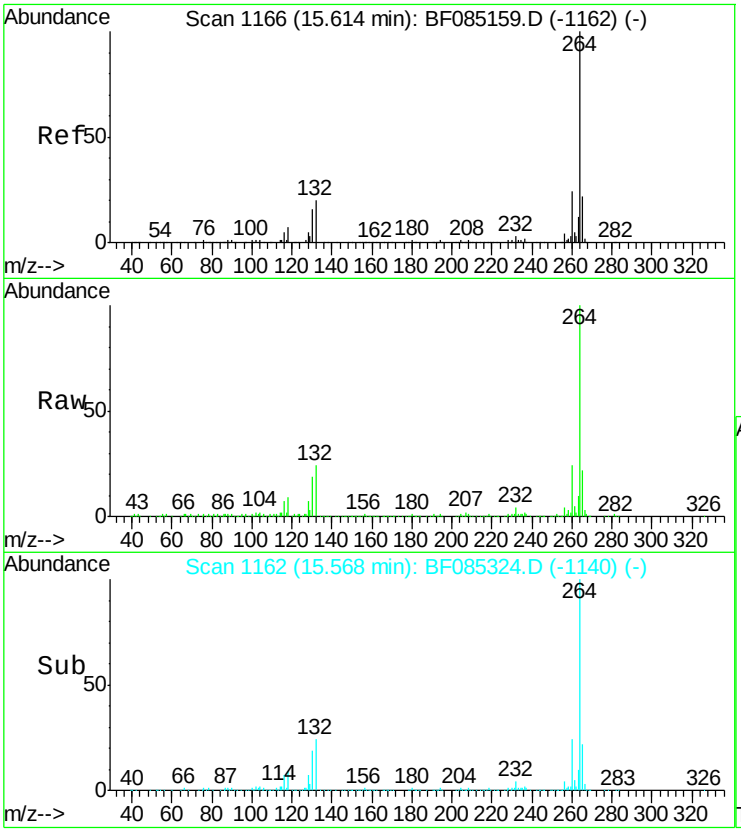


#85
Indeno(1,2,3-cd)pyrene
Concen: 2.53 ng
RT: 17.03 min Scan# 1290
Delta R.T. -0.07 min
Lab File: BF085324.D
Acq: 10 Mar 2016 3:17

Tgt Ion:276 Resp: 33511

Ion	Ratio	Lower	Upper
276	100		
138	29.6	26.4	39.6
277	35.3	20.2	30.2#

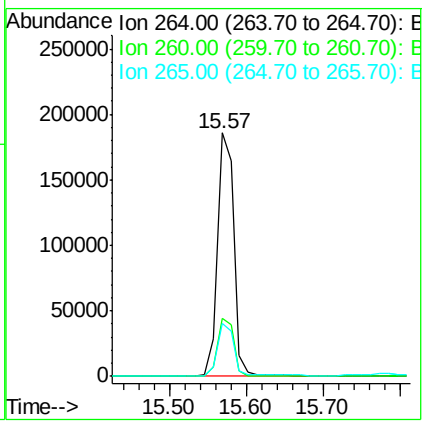




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 1162
Delta R.T. -0.05 min
Lab File: BF085324.D
Acq: 10 Mar 2016 3:17

Tgt Ion:264 Resp: 278917

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.8	17.3	25.9



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-28(0.5-2.5)

Manual Integrations APPROVED
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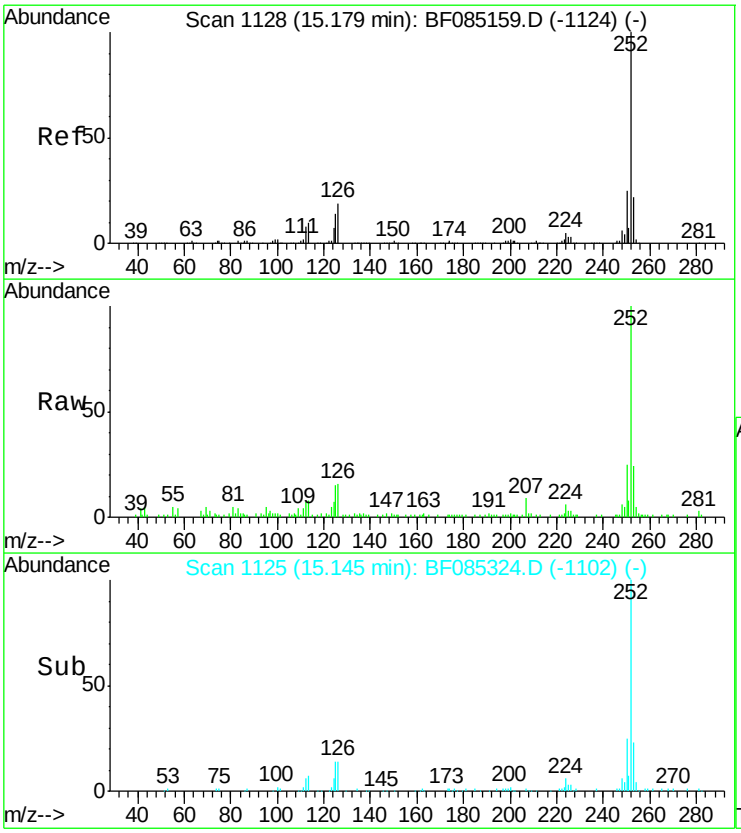
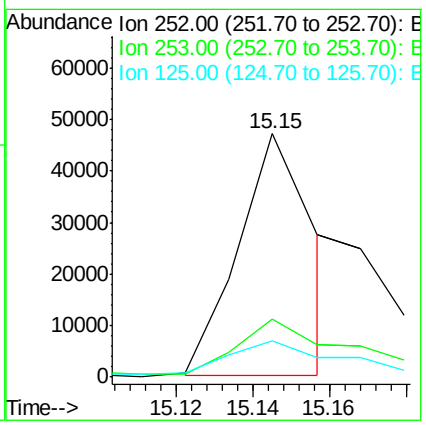
3/10/2016 11:17:36 AM

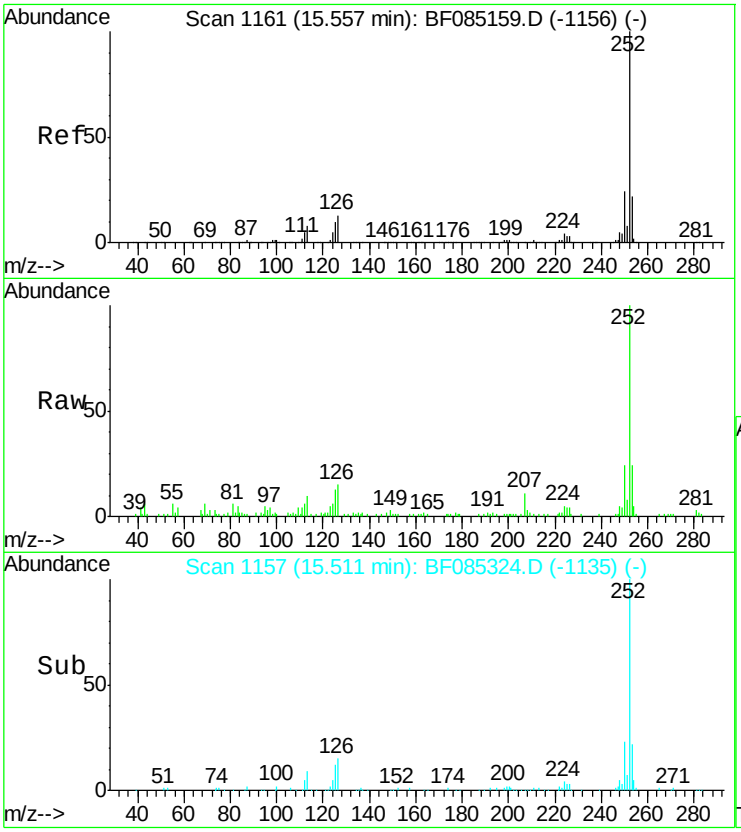


#87
Benzo(b)fluoranthene
Concen: 3.41 ng m
RT: 15.15 min Scan# 1125
Delta R.T. -0.03 min
Lab File: BF085324.D
Acq: 10 Mar 2016 3:17

Tgt Ion:252 Resp: 63474

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	15.1	11.3	16.9

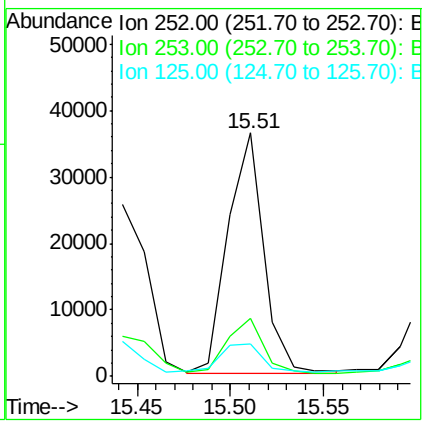




#89
Benzo(a)pyrene
Concen: 3.17 ng
RT: 15.51 min Scan# 1157
Delta R.T. -0.05 min
Lab File: BF085324.D
Acq: 10 Mar 2016 3:17

Tgt Ion:252 Resp: 48804

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.0
125	13.3	8.2	12.4#



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-28(0.5-2.5)

Manual Integrations APPROVED
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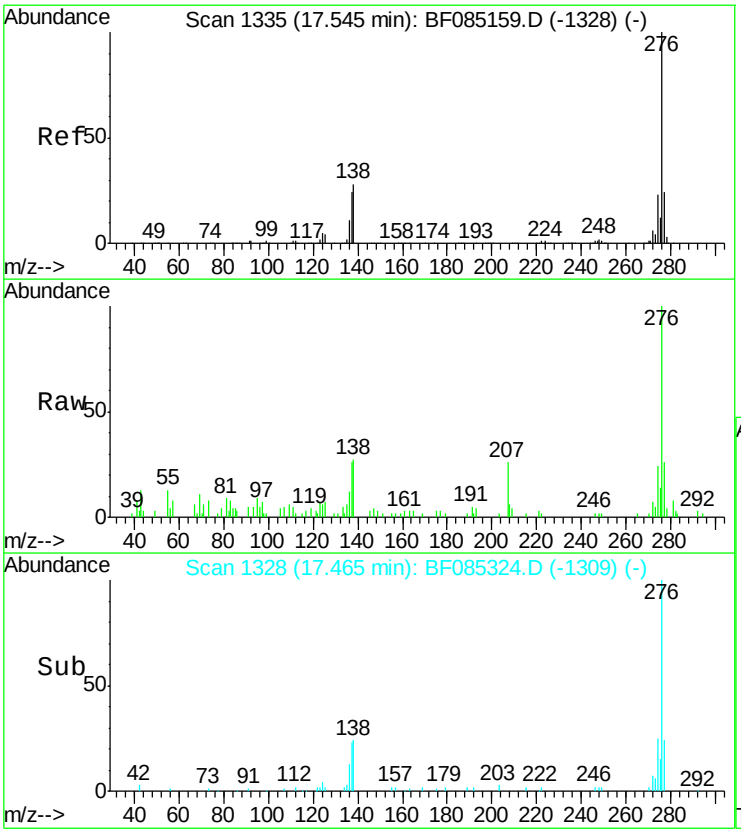
3/10/2016 11:17:36 AM



#91
Benzo(g,h,i)perylene
Concen: 2.67 ng
RT: 17.47 min Scan# 1328
Delta R.T. -0.08 min
Lab File: BF085324.D
Acq: 10 Mar 2016 3:17

Tgt Ion:276 Resp: 35274

Ion	Ratio	Lower	Upper
276	100		
277	25.7	19.0	28.4
138	27.3	22.5	33.7