Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102315\
Data File : BF082486.D
Acq On : 24 Oct 2015 1:12
Operator : UM/IZ
Sample : G4129-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB15-14-4-4.5

Manual Integrations APPROVED
MmDadoda
10/26/2015 7:22:29 PM

Quant Time: Oct 24 06:22:51 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 24 04:47:19 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	102047m	20.00	ng		0.00
21) Naphthalene-d8	8.05	136	390832	20.00	ng		0.00
38) Acenaphthene-d10	9.79	164	201083	20.00	ng		-0.01
63) Phenanthrene-d10	11.28	188	364769	20.00	ng		-0.01
75) Chrysene-d12	13.94	240	262448	20.00	ng		-0.01
86) Perylene-d12	15.41	264	209162	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.35	112	544981	107.78	ng		0.00
7) Phenol-d6	6.40	99	682399	103.71	ng		-0.01
23) Nitrobenzene-d5	7.33	82	473587	81.37	ng		-0.01
41) 2,4,6-Tribromophenol	10.59	330	167280	88.71	ng		0.00
44) 2-Fluorobiphenyl	9.12	172	828659	68.34	ng		-0.01
78) Terphenyl-d14	12.88	244	793054	80.07	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.06	128	52398	3.09	ng		99
37) 2-Methylnaphthalene	8.75	142	37699	3.21	ng		97
49) Dimethylphthalate	9.52	163	238741	16.86	ng		99
70) Phenanthrene	11.30	178	279177	15.61	ng		98
71) Anthracene	11.36	178	60810	3.30	ng		98
74) Fluoranthene	12.50	202	381910	19.89	ng		97
77) Pyrene	12.73	202	378046	24.27	ng		98
80) Benzo(a)anthracene	13.93	228	161190	11.80	ng		95
82) Chrysene	13.97	228	180900m	12.57	ng		
85) Indeno(1,2,3-cd)pyrene	16.78	276	65160	5.70	ng		98
87) Benzo(b)fluoranthene	15.00	252	149828m	11.77	ng		
88) Benzo(k)fluoranthene	15.01	252	66837m	6.25	ng		
89) Benzo(a)pyrene	15.34	252	104379	9.54	ng	#	94
90) Dibenzo(a,h)anthracene	16.79	278	18897m	2.11	ng		
91) Benzo(g,h,i)perylene	17.20	276	72255	8.30	ng		99

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

Quantitation Report (LSC Reviewed)

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BNA_F
ClientSampleId :
SB15-14-4-4.5

Manual Integrations APPROVED
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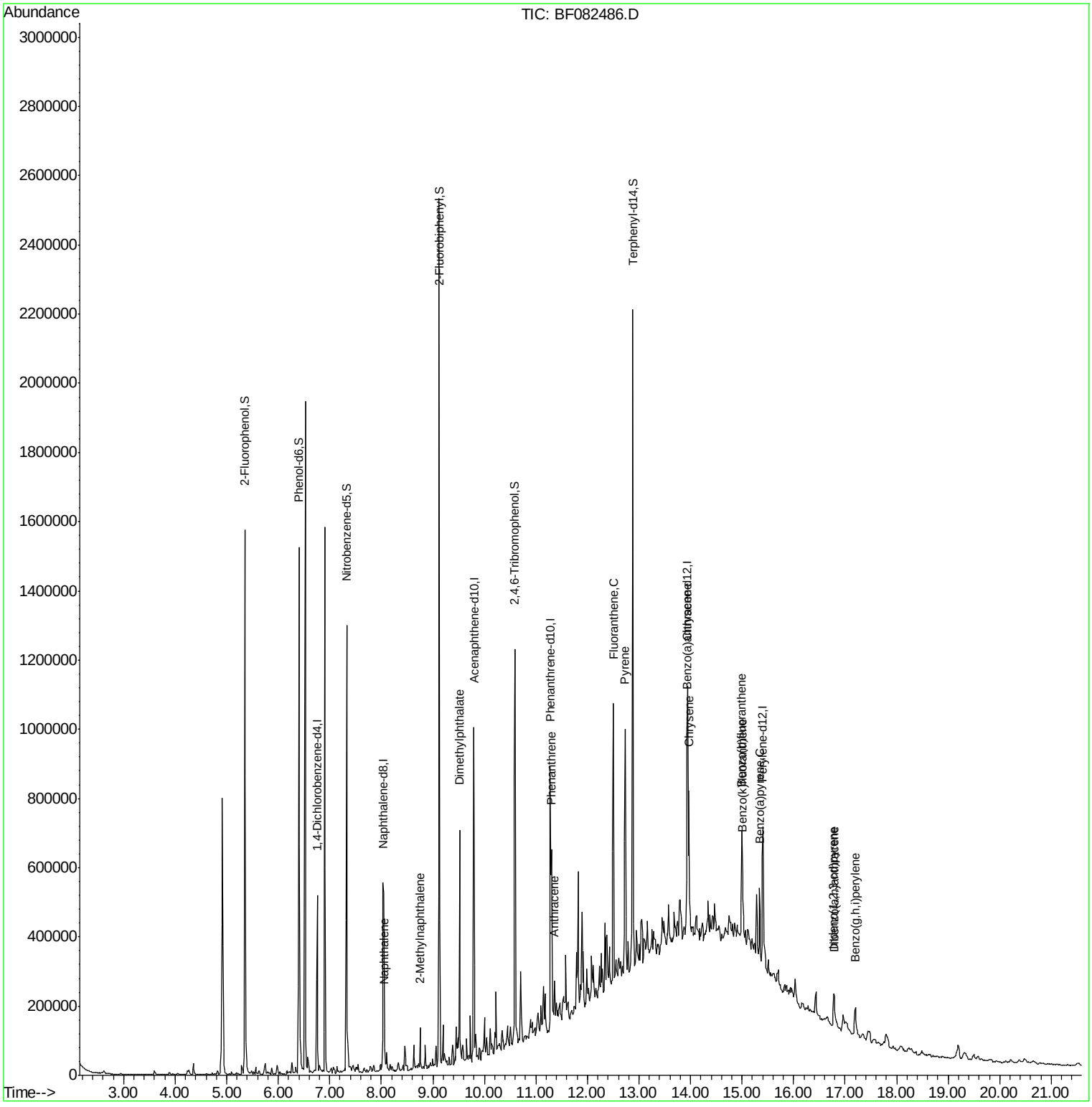
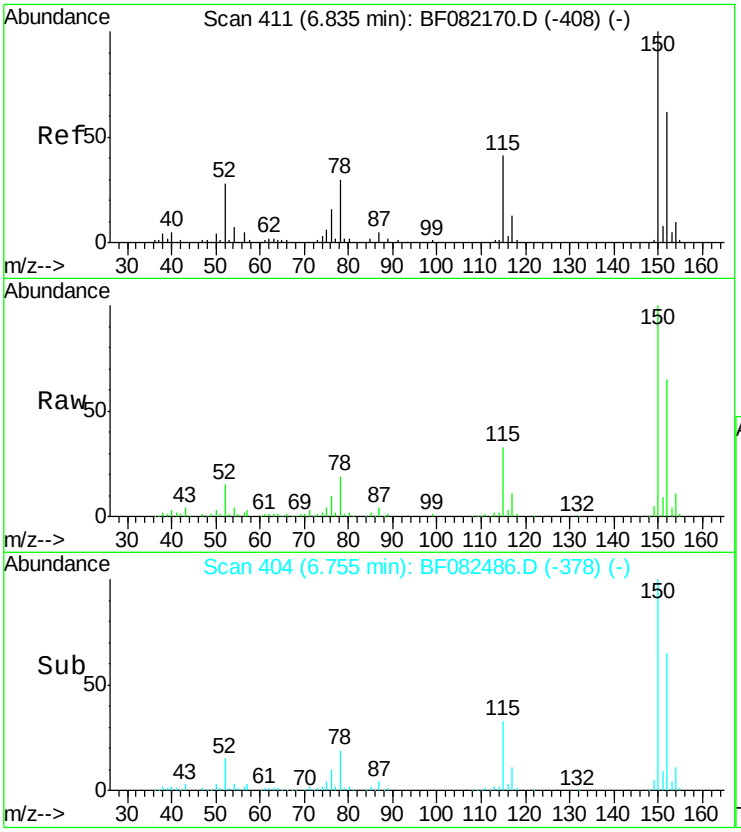
10/26/2015 7:22:29 PM

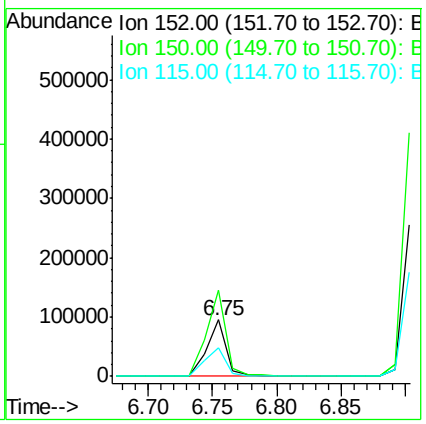




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.75 min Scan# 404
Delta R.T. 0.00 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

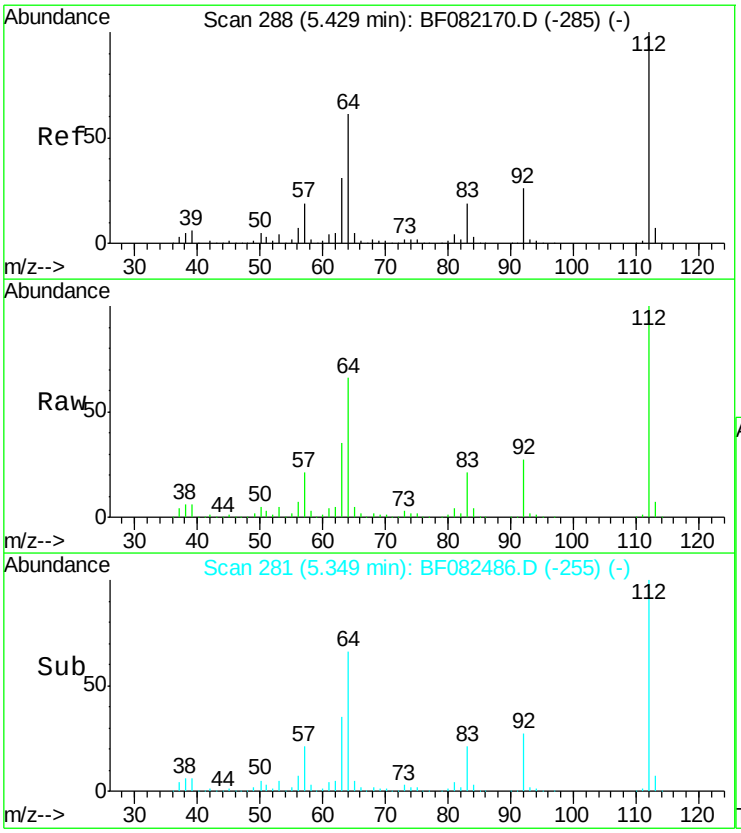
Tgt Ion:152 Resp: 102047

Ion	Ratio	Lower	Upper
152	100		
150	153.7	129.0	193.4
115	50.8	52.1	78.1#



Instrument :
BNA_F
ClientSampleId :
SB15-14-4-4.5

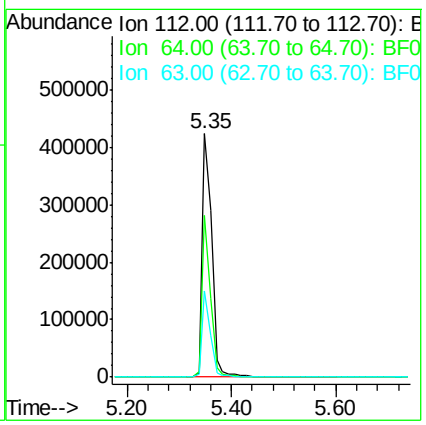
Manual Integrations APPROVED
MmDadoda
10/26/2015 7:22:29 PM

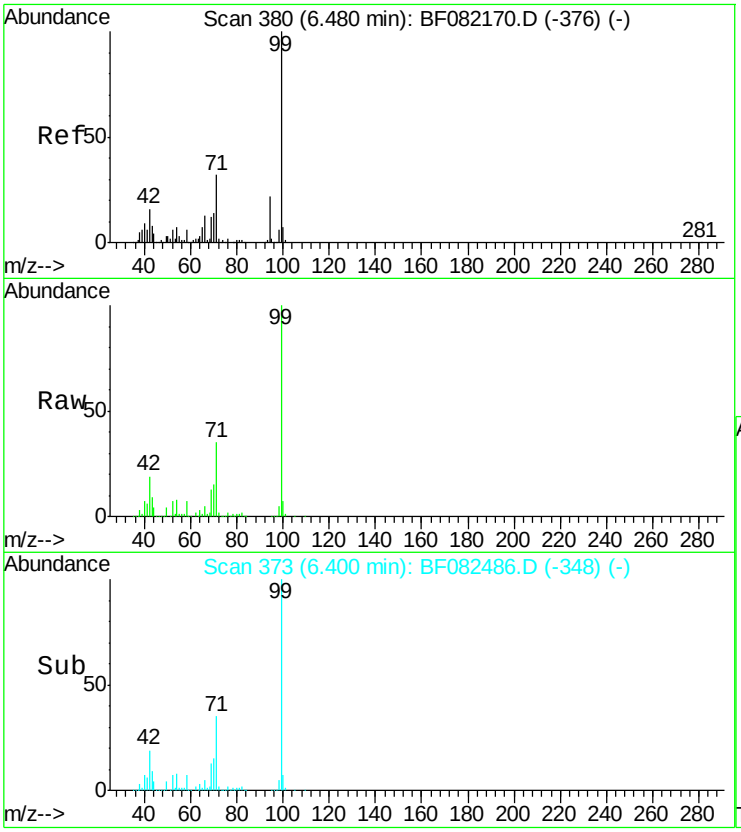


#5
2-Fluorophenol
Concen: 107.78 ng
RT: 5.35 min Scan# 281
Delta R.T. 0.00 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

Tgt Ion:112 Resp: 544981

Ion	Ratio	Lower	Upper
112	100		
64	66.3	48.6	73.0
63	35.2	25.1	37.7

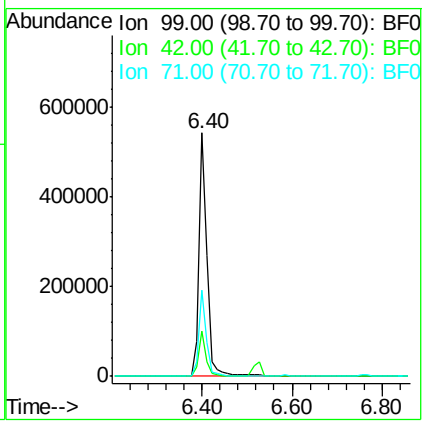




#7
Phenol-d6
Concen: 103.71 ng
RT: 6.40 min Scan# 373
Delta R.T. -0.01 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

Tgt Ion: 99 Resp: 682399

Ion	Ratio	Lower	Upper
99	100		
42	18.6	13.2	19.8
71	35.2	25.6	38.4



Instrument :
BNA_F
ClientSampleId :
SB15-14-4-4.5

Manual Integrations APPROVED
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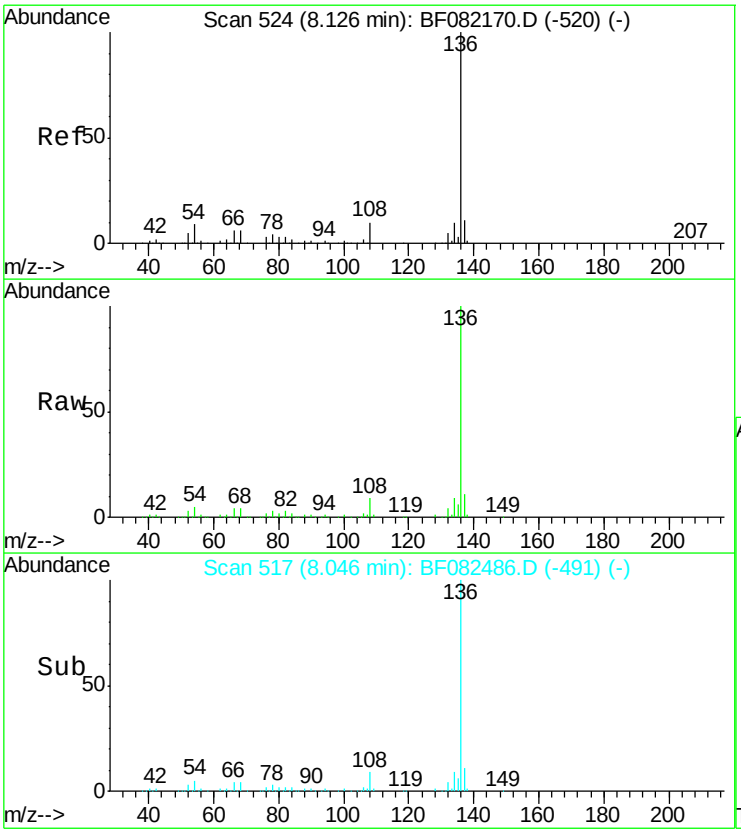
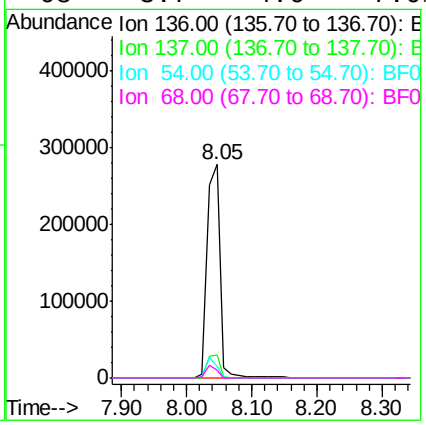
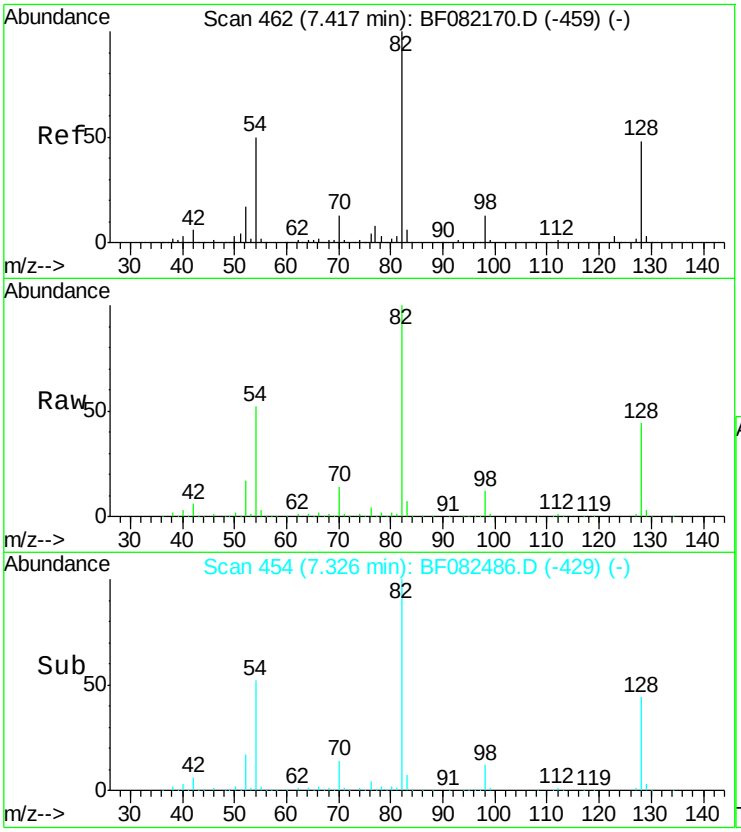


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 517
Delta R.T. 0.00 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

Tgt Ion:136 Resp: 390832

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.6
54	5.3	7.5	11.3#
68	3.7	4.6	7.0#

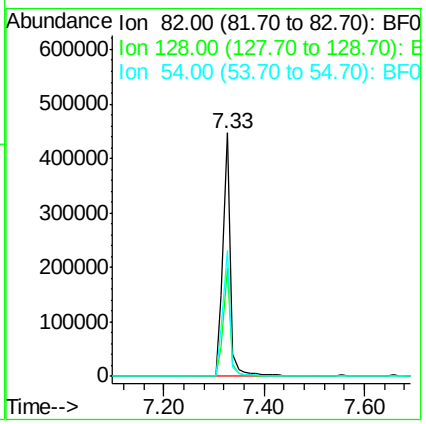




#23
Nitrobenzene-d5
Concen: 81.37 ng
RT: 7.33 min Scan# 454
Delta R.T. -0.01 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

Tgt Ion: 82 Resp: 473587

Ion	Ratio	Lower	Upper
82	100		
128	44.5	38.7	58.1
54	51.7	40.1	60.1



Instrument :
BNA_F
ClientSampleId :
SB15-14-4-4.5

Manual Integrations APPROVED
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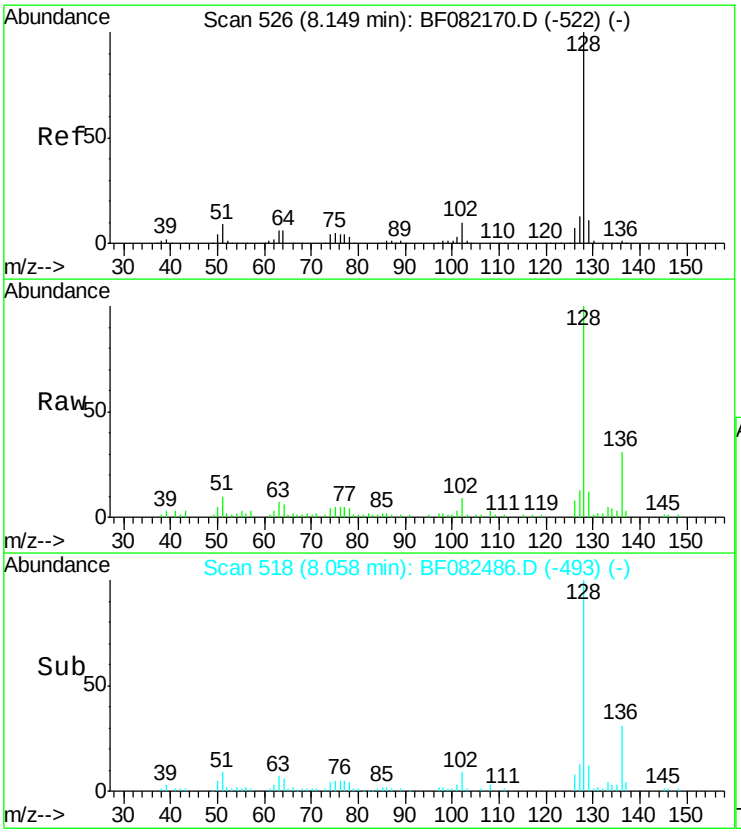
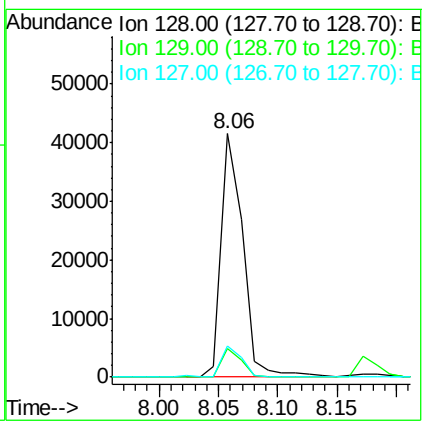
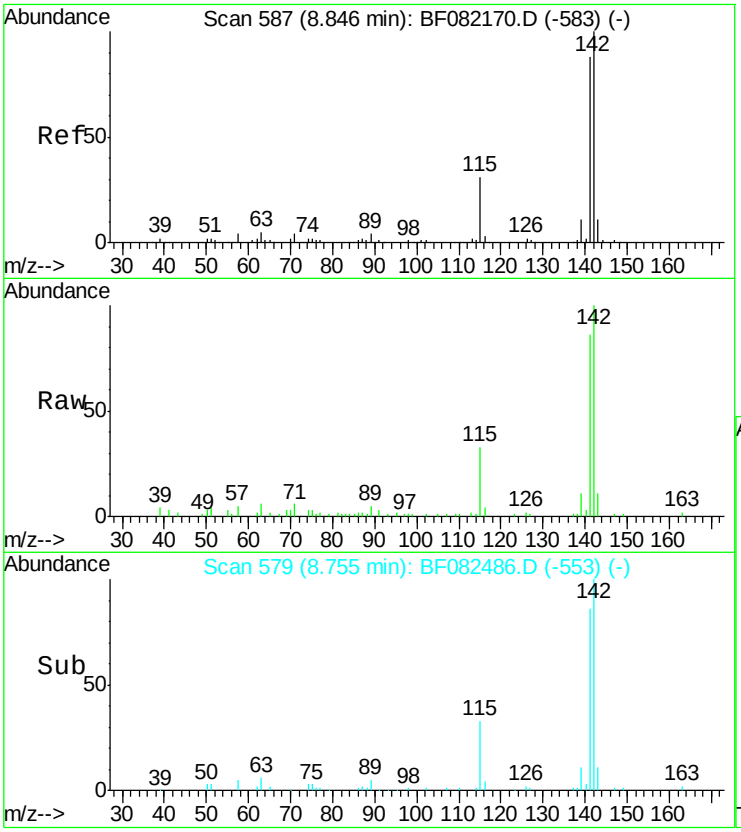


#31
Naphthalene
Concen: 3.09 ng
RT: 8.06 min Scan# 518
Delta R.T. -0.01 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

Tgt Ion:128 Resp: 52398

Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.1	13.7
127	13.0	10.7	16.1

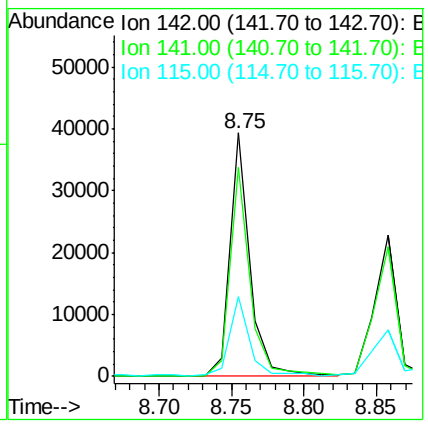




#37
2-Methylnaphthalene
Concen: 3.21 ng
RT: 8.75 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

Tgt Ion:142 Resp: 37699

Ion	Ratio	Lower	Upper
142	100		
141	85.7	70.4	105.6
115	32.8	24.6	37.0



Instrument :
BNA_F
ClientSampleId :
SB15-14-4-4.5

Manual Integrations APPROVED
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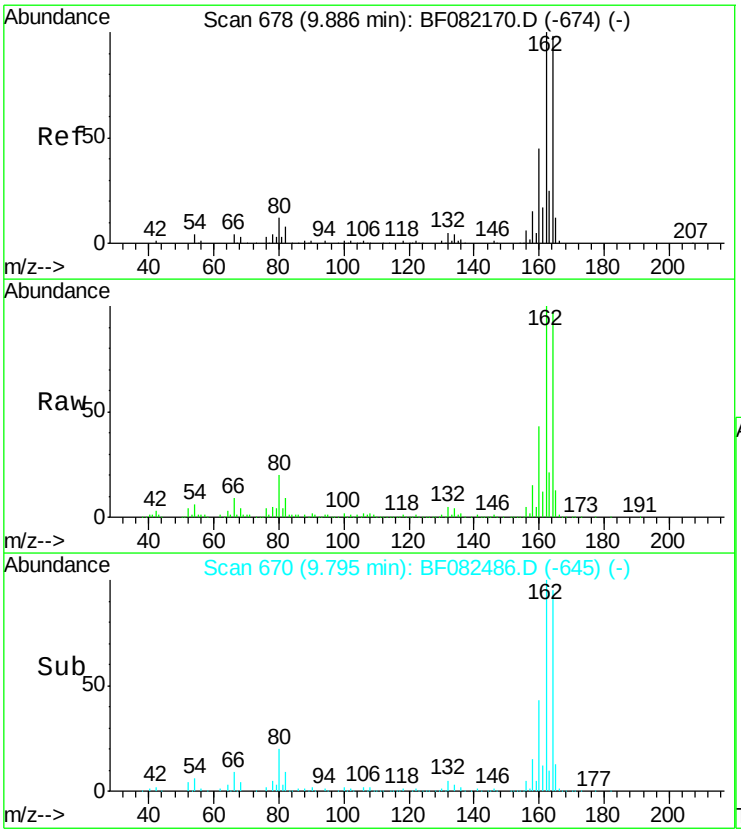
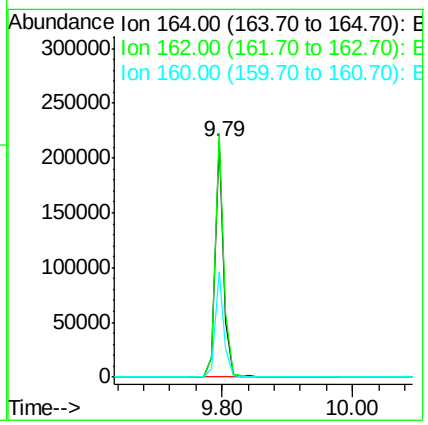
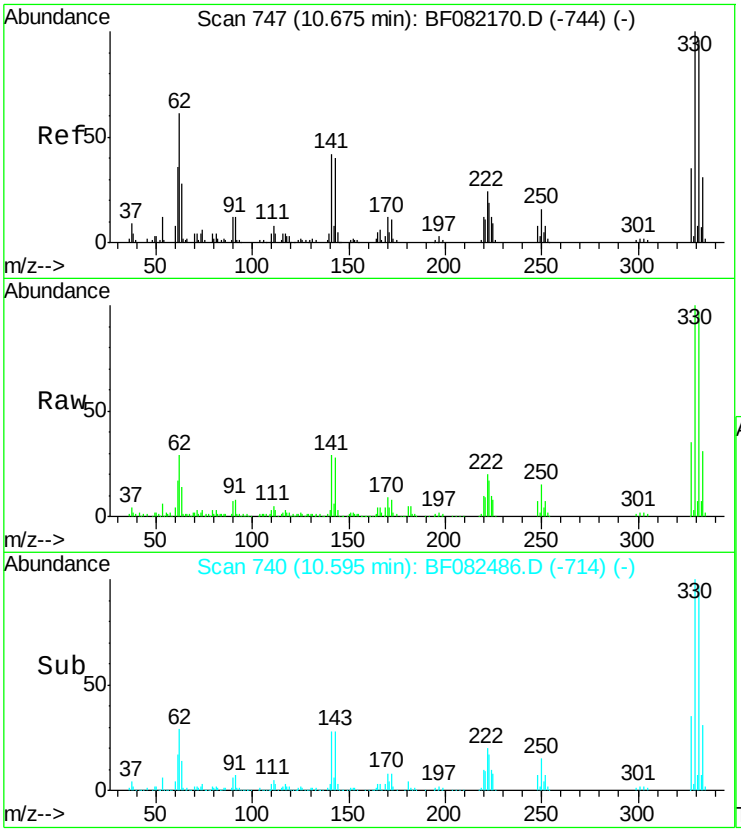


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

Tgt Ion:164 Resp: 201083

Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.6	122.4
160	44.6	36.4	54.6

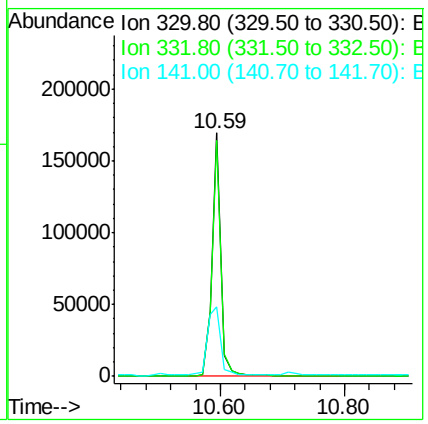




#41
2,4,6-Tribromophenol
Concen: 88.71 ng
RT: 10.59 min Scan# 740
Delta R.T. 0.00 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

Tgt Ion:330 Resp: 167280

Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.1	115.7
141	42.3	29.8	44.8



Instrument :
BNA_F
ClientSampleId :
SB15-14-4-4.5

Manual Integrations APPROVED
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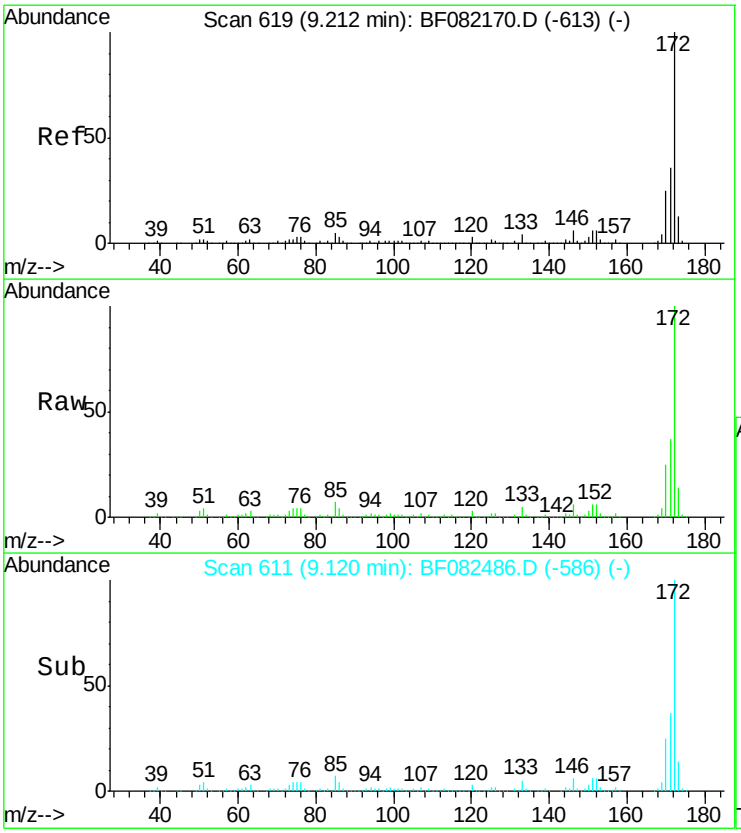
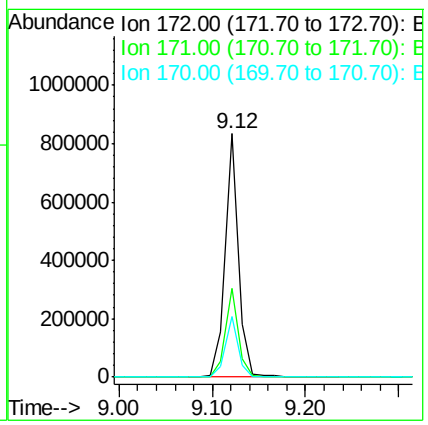
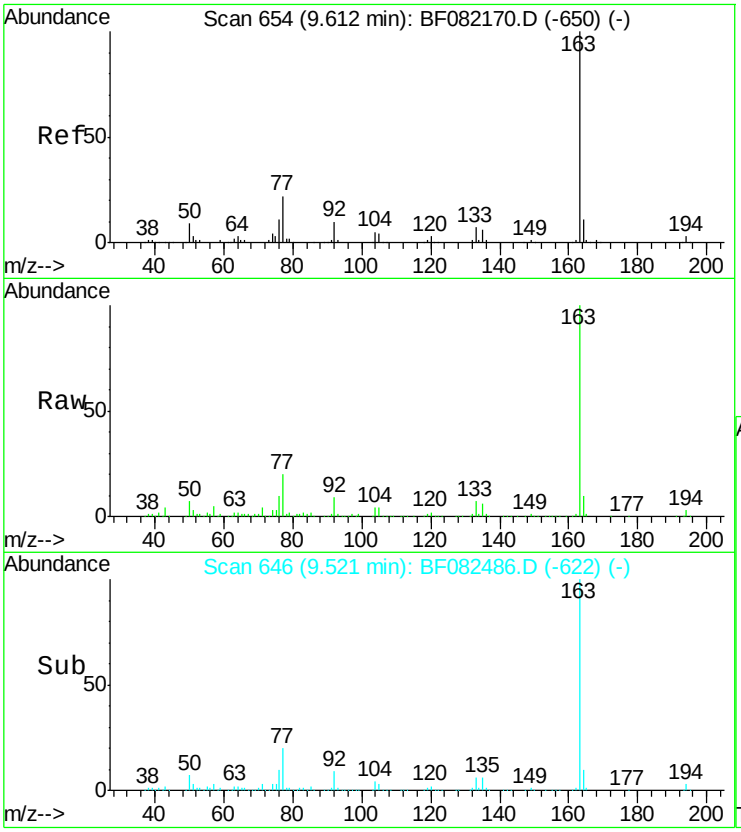


#44
2-Fluorobiphenyl
Concen: 68.34 ng
RT: 9.12 min Scan# 611
Delta R.T. -0.01 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

Tgt Ion:172 Resp: 828659

Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	42.8
170	24.6	19.7	29.5

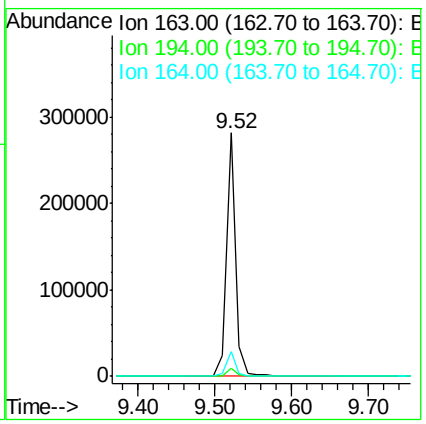




#49
Dimethylphthalate
Concen: 16.86 ng
RT: 9.52 min Scan# 646
Delta R.T. -0.02 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

Tgt Ion:163 Resp: 238741

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.2	8.5	12.7



Instrument :
BNA_F
ClientSampleId :
SB15-14-4-4.5

Manual Integrations APPROVED
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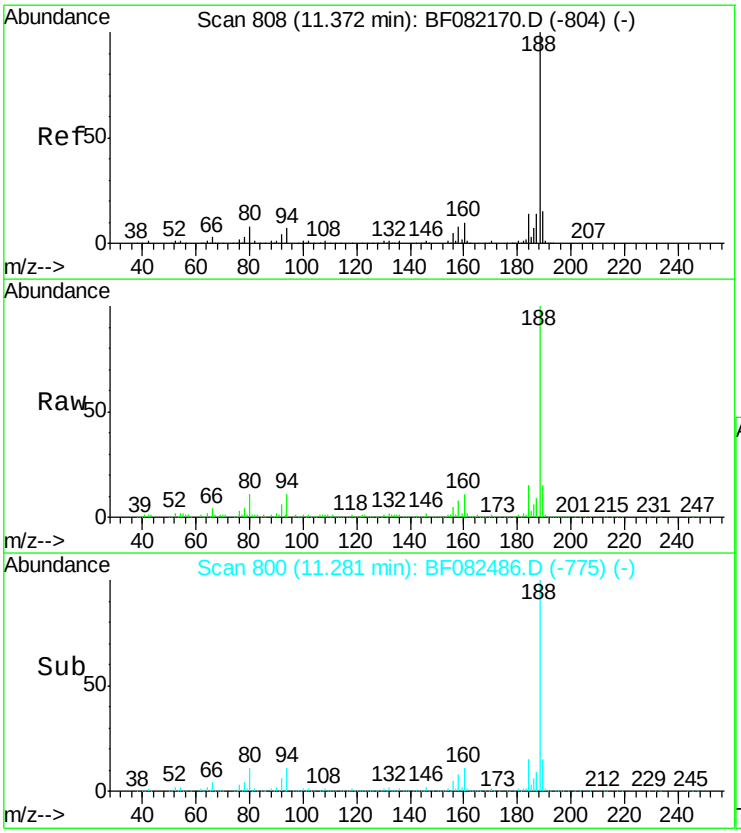
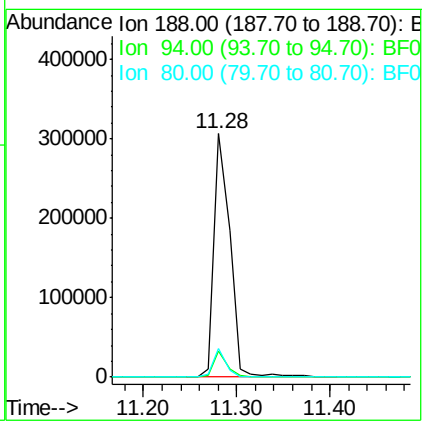
10/26/2015 7:22:29 PM

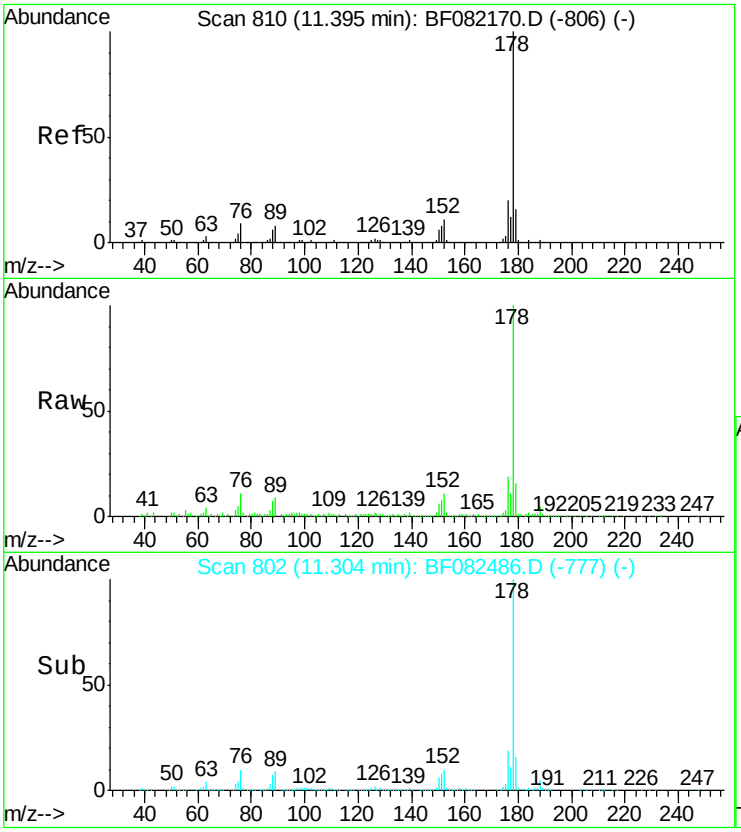


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

Tgt Ion:188 Resp: 364769

Ion	Ratio	Lower	Upper
188	100		
94	10.9	5.8	8.6#
80	11.5	6.4	9.6#

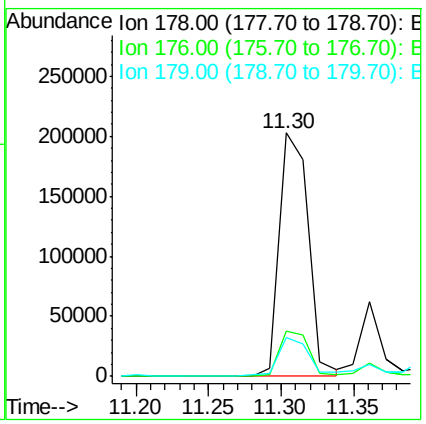




#70
Phenanthrene
Concen: 15.61 ng
RT: 11.30 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

Tgt Ion:178 Resp: 279177

Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.0	24.0
179	15.8	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
SB15-14-4-4.5

Manual Integrations APPROVED
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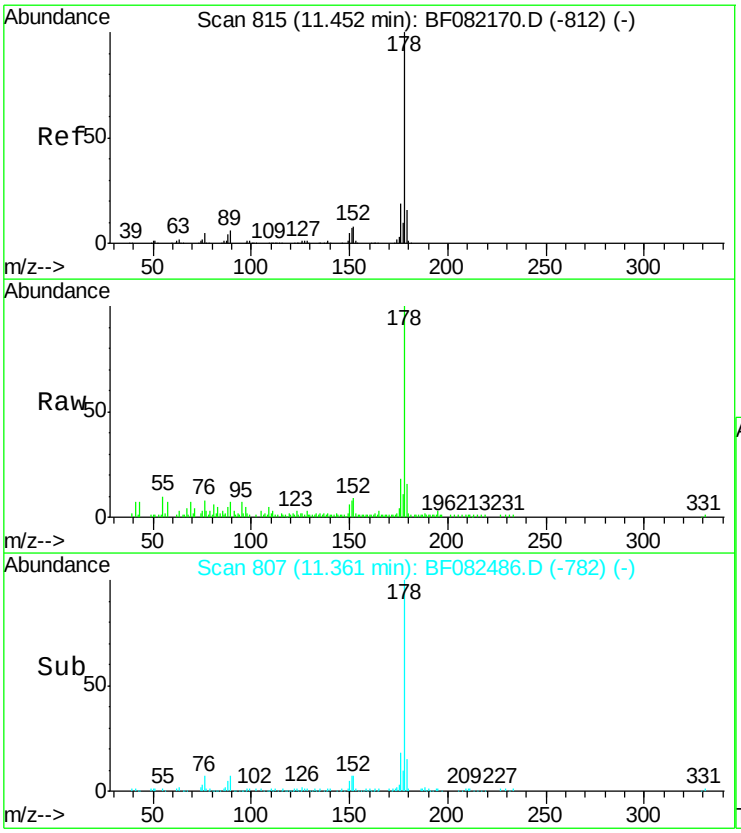
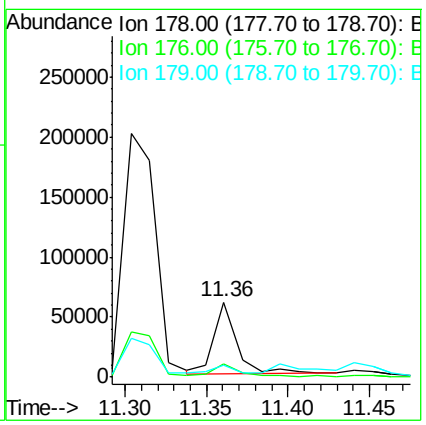
10/26/2015 7:22:29 PM

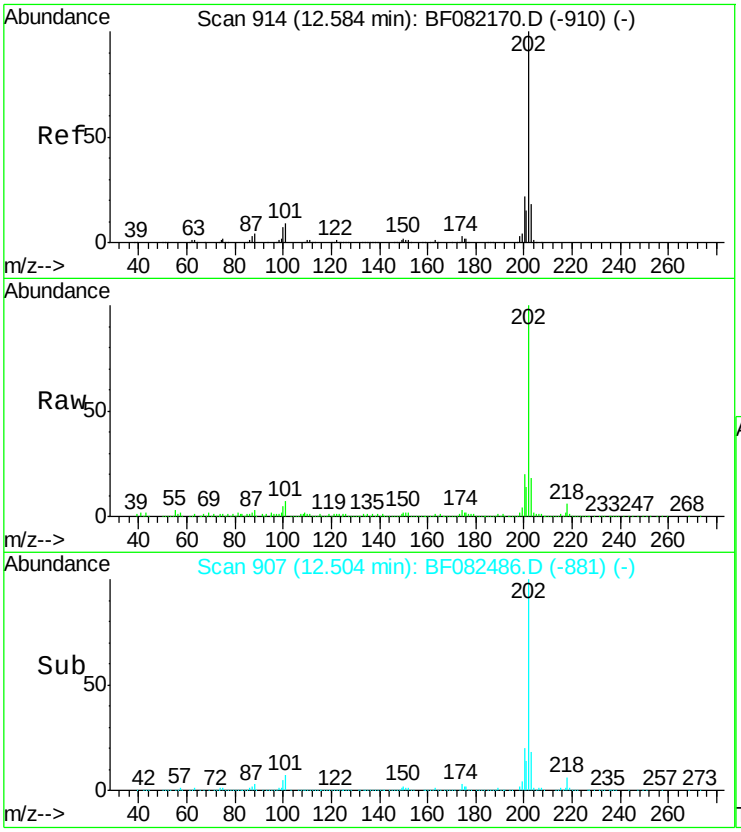


#71
Anthracene
Concen: 3.30 ng
RT: 11.36 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

Tgt Ion:178 Resp: 60810

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.0
179	16.2	12.5	18.7

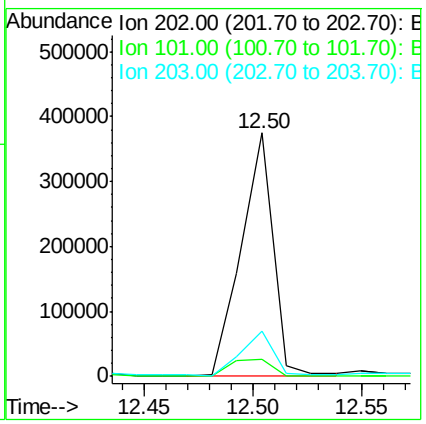




#74
Fluoranthene
Concen: 19.89 ng
RT: 12.50 min Scan# 907
Delta R.T. 0.00 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

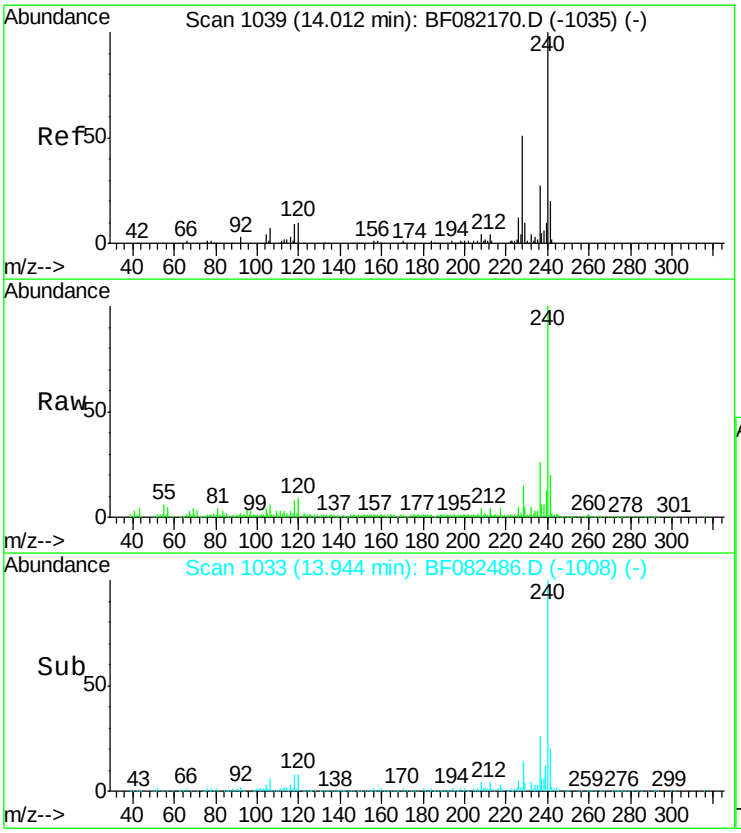
Tgt Ion:202 Resp: 381910

Ion	Ratio	Lower	Upper
202	100		
101	7.1	0.0	29.3
203	18.5	0.0	37.8



Instrument :
BNA_F
ClientSampleId :
SB15-14-4-4.5

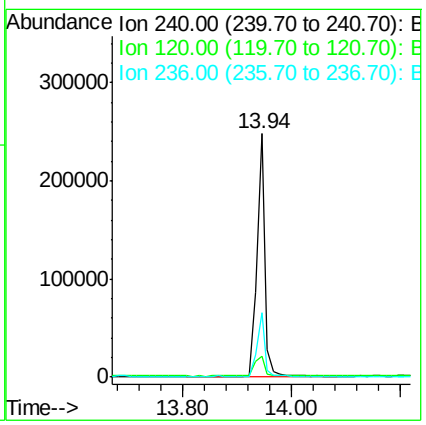
Manual Integrations APPROVED
MmDadoda
10/26/2015 7:22:29 PM

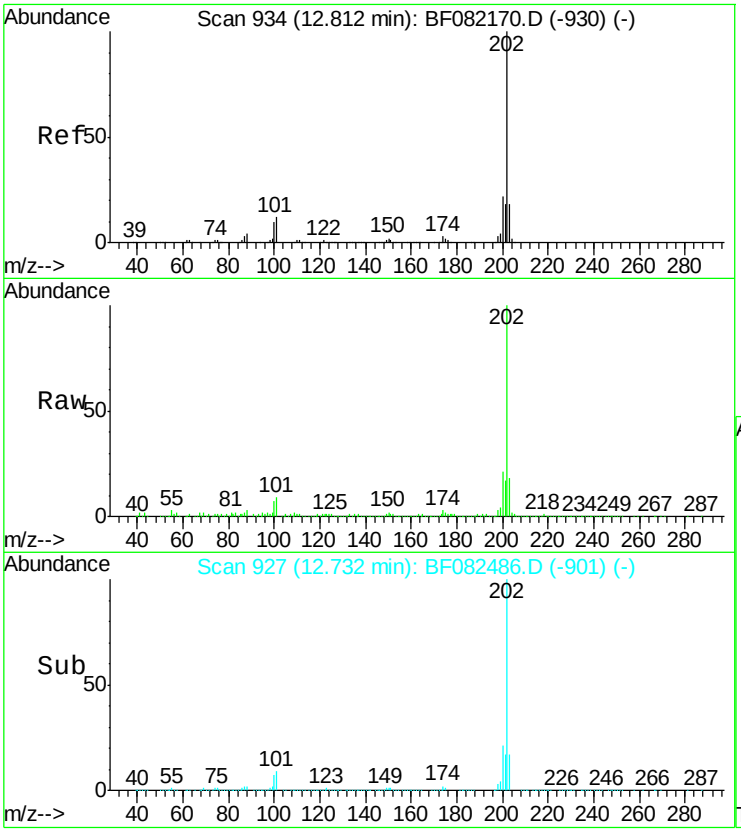


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.94 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

Tgt Ion:240 Resp: 262448

Ion	Ratio	Lower	Upper
240	100		
120	8.7	8.1	12.1
236	26.3	21.3	31.9

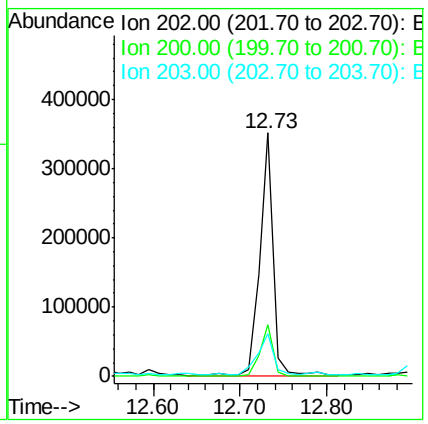




#77
Pyrene
Concen: 24.27 ng
RT: 12.73 min Scan# 927
Delta R.T. 0.00 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

Tgt Ion:202 Resp: 378046

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.9	26.9
203	17.7	14.5	21.7



Instrument :
BNA_F
ClientSampleId :
SB15-14-4-4.5

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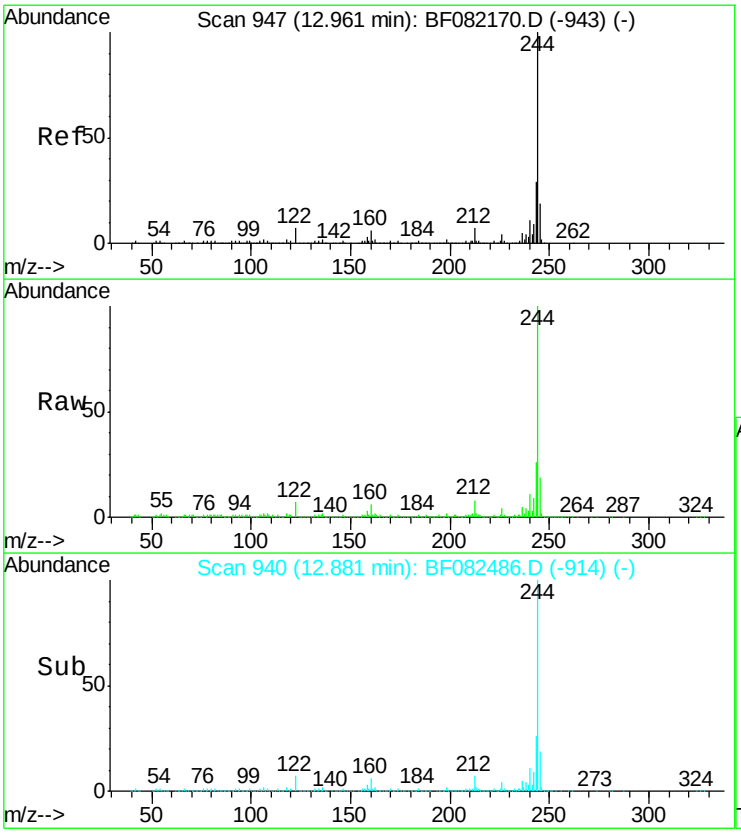
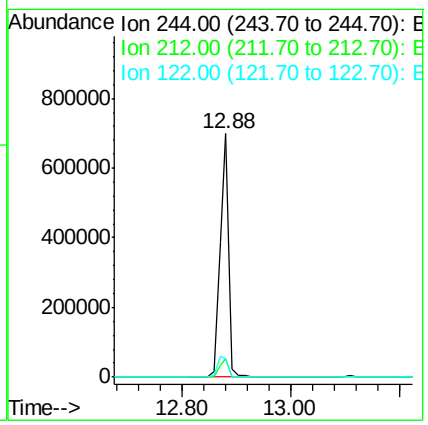
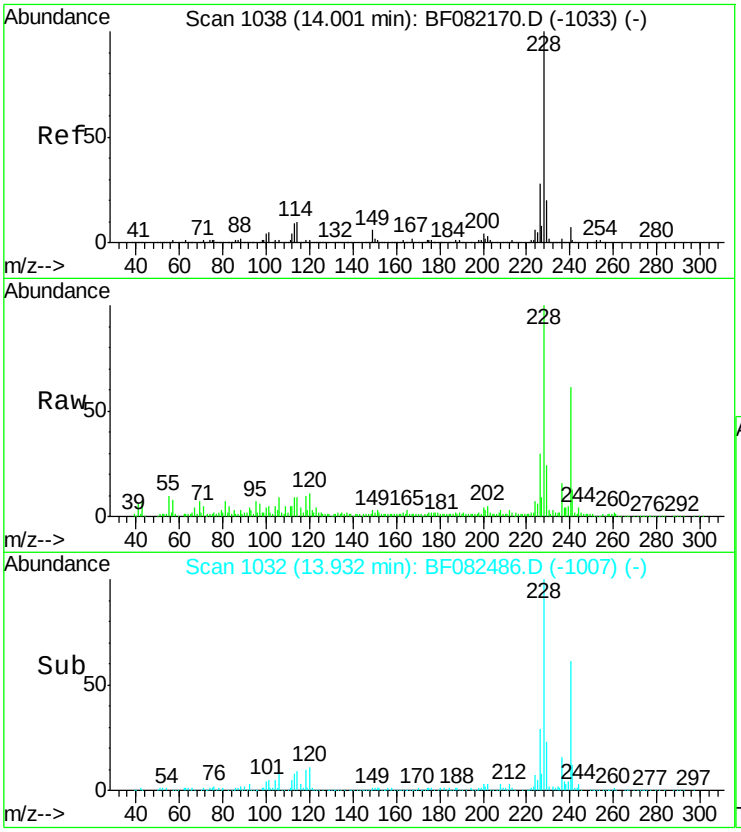


#78
Terphenyl-d14
Concen: 80.07 ng
RT: 12.88 min Scan# 940
Delta R.T. 0.00 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

Tgt Ion:244 Resp: 793054

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.6
122	7.4	5.9	8.9

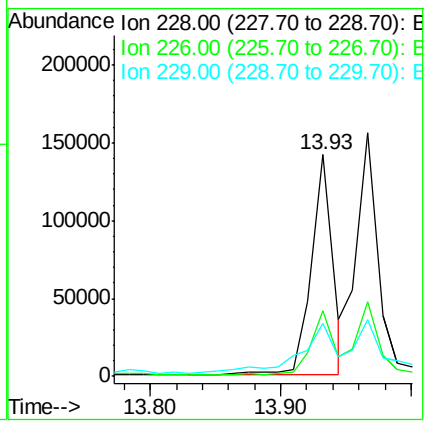




#80
Benzo(a)anthracene
Concen: 11.80 ng
RT: 13.93 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

Tgt Ion:228 Resp: 161190

Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.3	33.5
229	23.6	16.2	24.2



Instrument :
BNA_F
ClientSampleId :
SB15-14-4-4.5

Manual Integrations APPROVED
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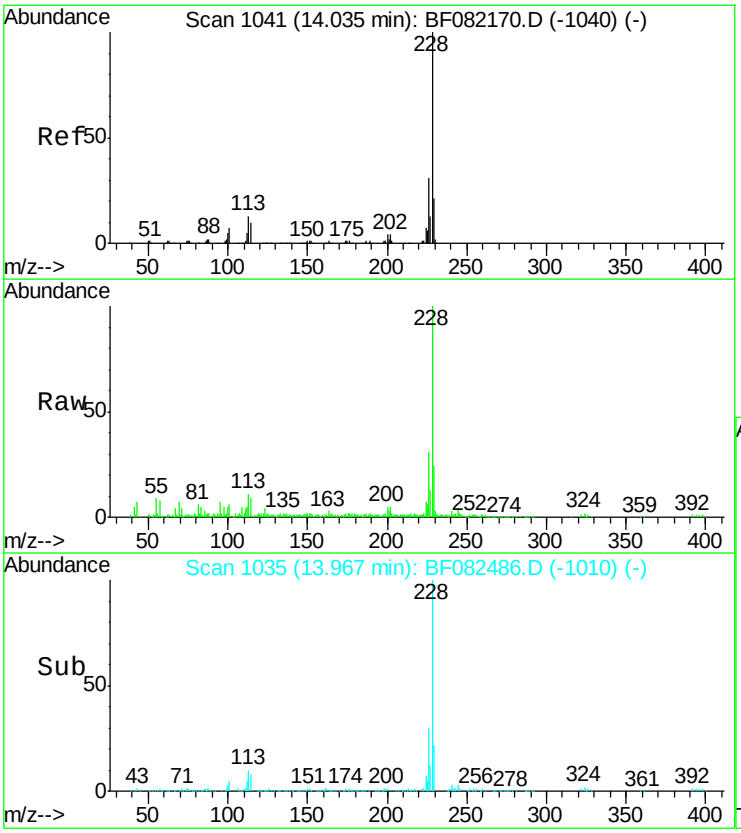
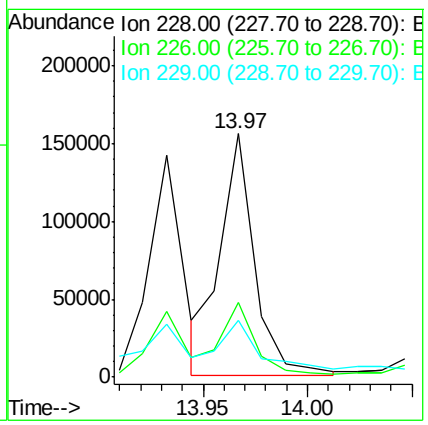
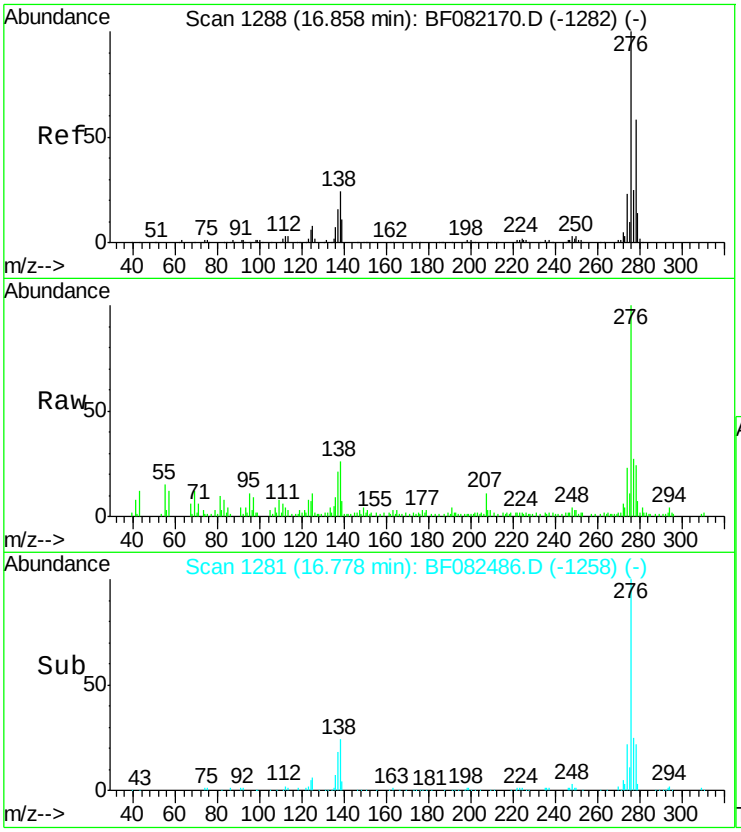


#82
Chrysene
Concen: 12.57 ng m
RT: 13.97 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

Tgt Ion:228 Resp: 180900

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.4	36.6
229	23.5	16.3	24.5

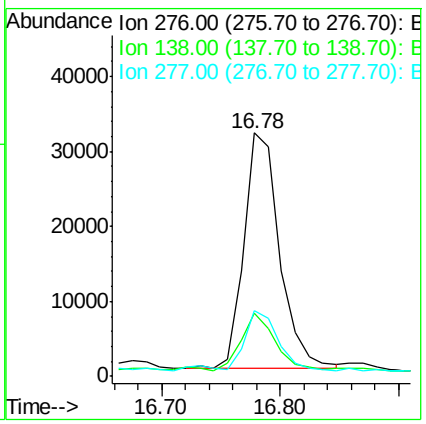




#85
Indeno(1,2,3-cd)pyrene
Concen: 5.70 ng
RT: 16.78 min Scan# 1281
Delta R.T. -0.03 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

Tgt Ion:276 Resp: 65160

Ion	Ratio	Lower	Upper
276	100		
138	23.0	19.7	29.5
277	25.2	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
SB15-14-4-4.5

Manual Integrations APPROVED
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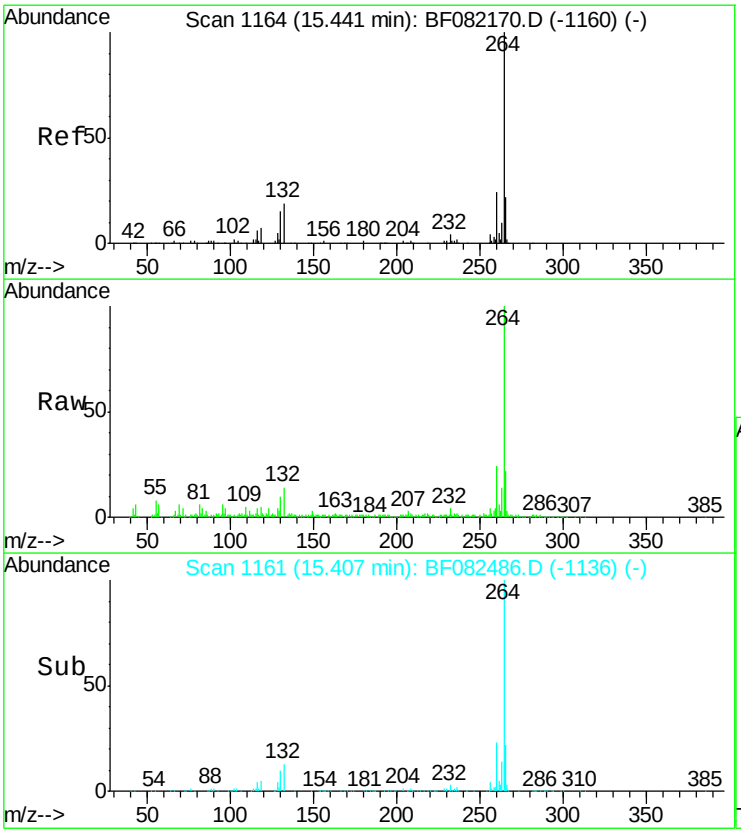
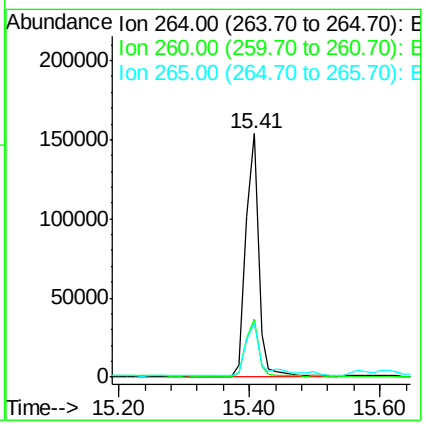
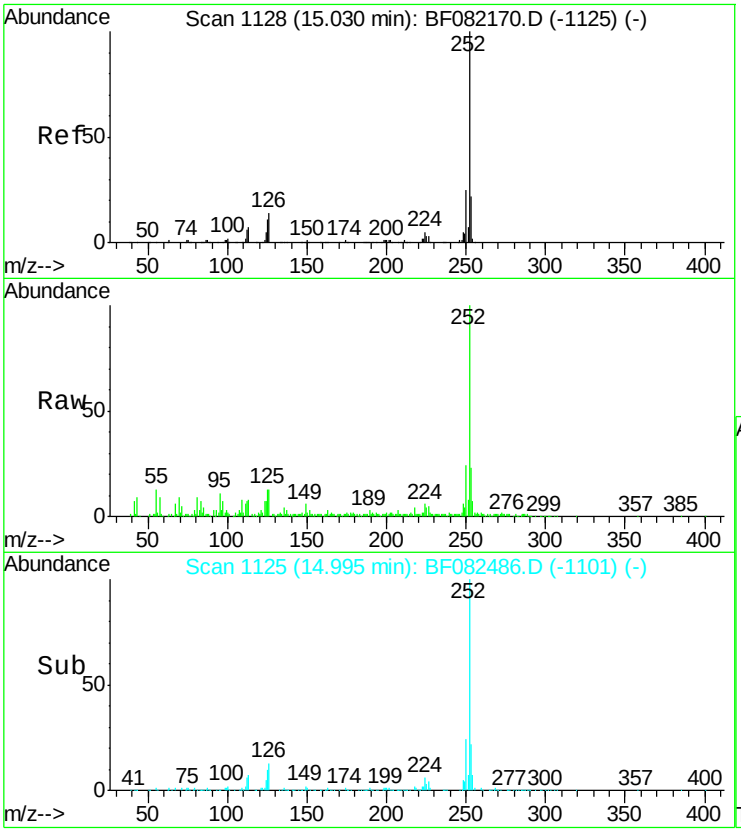


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

Tgt Ion:264 Resp: 209162

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.6
265	22.2	17.3	25.9





#87
Benzo(b)fluoranthene
Concen: 11.77 ng m
RT: 15.00 min Scan# 1125
Delta R.T. -0.02 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

Tgt Ion:252 Resp: 149828

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	12.9	8.6	12.8#

Instrument :
BNA_F
ClientSampleId :
SB15-14-4-4.5

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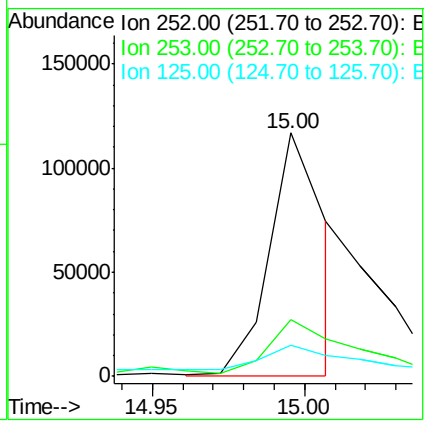
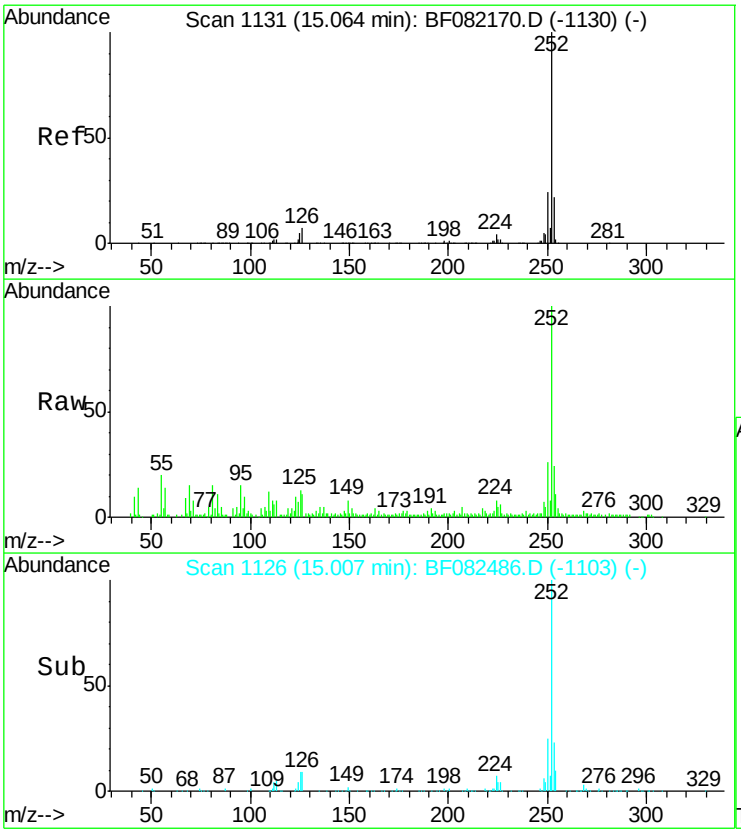
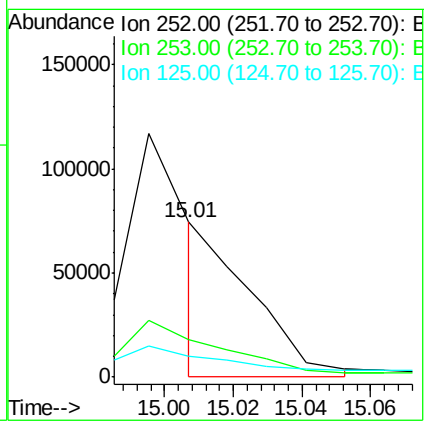


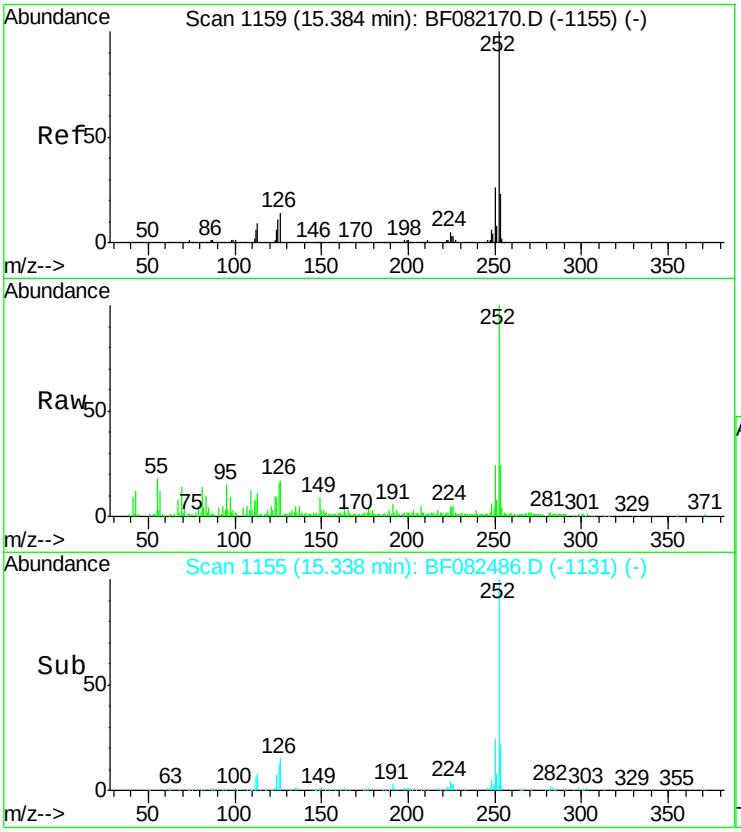


#88
Benzo(k)fluoranthene
Concen: 6.25 ng m
RT: 15.01 min Scan# 1126
Delta R.T. -0.03 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

Tgt Ion:252 Resp: 66837

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.6
125	13.4	6.7	10.1#





#89
Benzo(a)pyrene
Concen: 9.54 ng
RT: 15.34 min Scan# 1155
Delta R.T. -0.02 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

Tgt Ion:252 Resp: 104379

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	16.1	8.9	13.3#

Instrument :
BNA_F
ClientSampleId :
SB15-14-4-4.5

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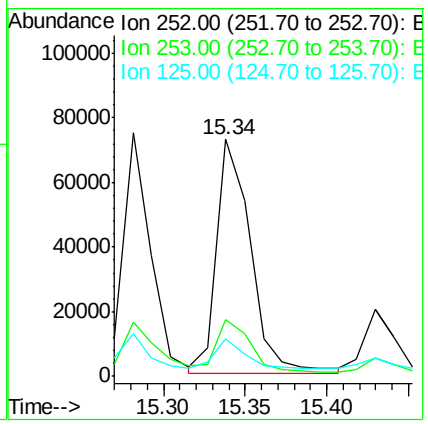
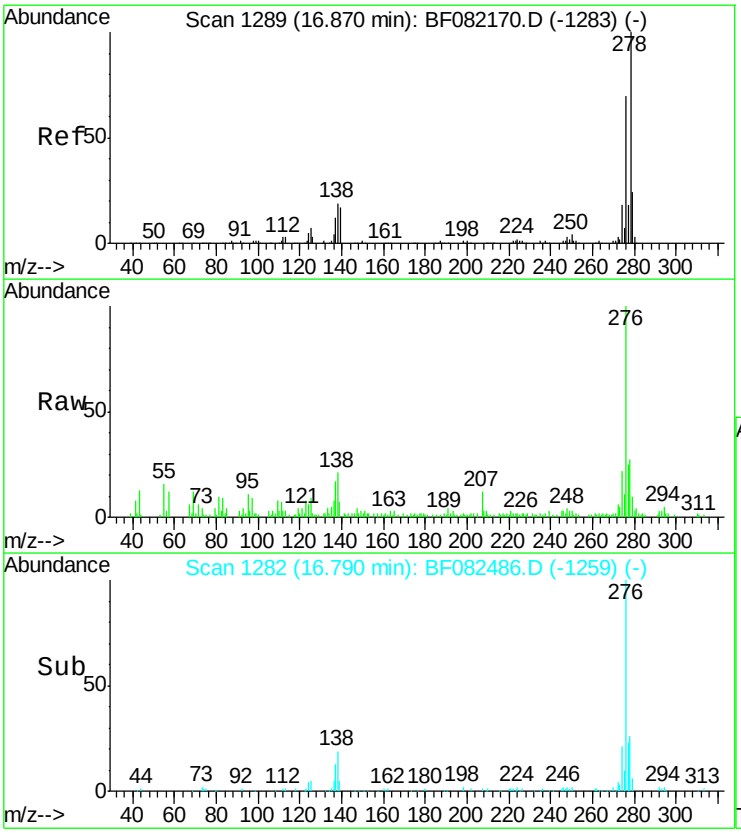
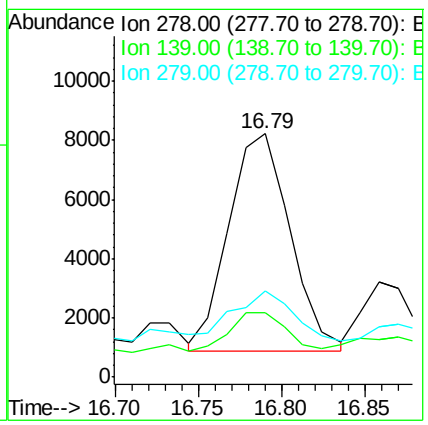


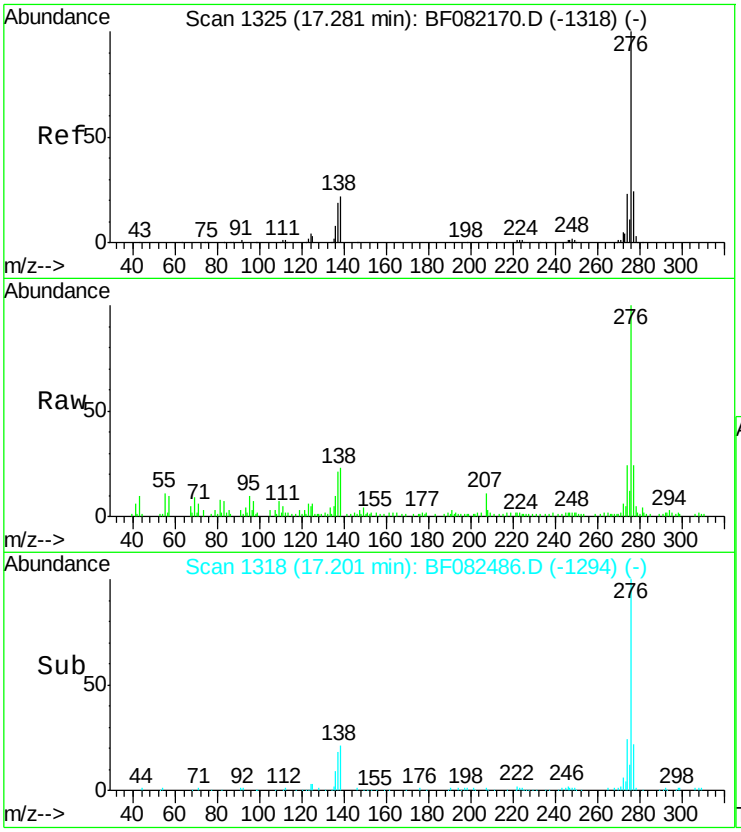


#90
Dibenzo(a,h)anthracene
Concen: 2.11 ng m
RT: 16.79 min Scan# 1282
Delta R.T. -0.03 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

Tgt Ion:278 Resp: 18897

Ion	Ratio	Lower	Upper
278	100		
139	26.6	13.3	19.9#
279	35.4	18.9	28.3#

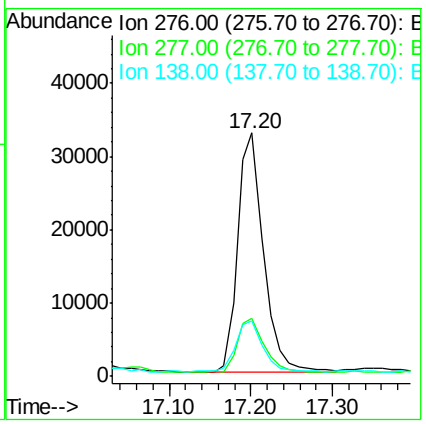




#91
Benzo(g,h,i)perylene
Concen: 8.30 ng
RT: 17.20 min Scan# 1318
Delta R.T. -0.02 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

Tgt Ion:276 Resp: 72255

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.8	28.2
138	23.0	17.4	26.2



Instrument :
BNA_F
ClientSampleId :
SB15-14-4-4.5

Manual Integrations APPROVED
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