Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082157.D
Acq On : 9 Oct 2015 21:14
Operator : UM/IZ
Sample : G3933-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-COMP-04

Manual Integrations APPROVED
MMDadoda
10/12/2015 2:44:39 PM

Quant Time: Oct 09 23:49:37 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 09 22:47:26 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	113864	20.00	ng		-0.01
21) Naphthalene-d8	8.14	136	435646	20.00	ng		0.00
38) Acenaphthene-d10	9.90	164	179765	20.00	ng		0.00
63) Phenanthrene-d10	11.38	188	276429	20.00	ng		0.00
75) Chrysene-d12	14.02	240	241663	20.00	ng		-0.01
86) Perylene-d12	15.46	264	172418	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.45	112	582902	92.93	ng		0.01
7) Phenol-d6	6.49	99	793623	100.55	ng		0.00
23) Nitrobenzene-d5	7.42	82	431797	66.07	ng		-0.01
41) 2,4,6-Tribromophenol	10.69	330	150953	82.91	ng		-0.01
44) 2-Fluorobiphenyl	9.21	172	787369	70.98	ng		-0.01
78) Terphenyl-d14	12.97	244	611607	80.57	ng		0.00
Target Compounds							Qvalue
49) Dimethylphthalate	9.61	163	159275	12.84	ng	#	97
74) Fluoranthene	12.59	202	68424	4.62	ng		87
77) Pyrene	12.82	202	77357	5.36	ng		97
80) Benzo(a)anthracene	14.01	228	42057m	3.23	ng		
82) Chrysene	14.05	228	45939m	3.56	ng		
85) Indeno(1,2,3-cd)pyrene	16.88	276	22513	2.21	ng		94
87) Benzo(b)fluoranthene	15.05	252	47896m	4.87	ng		
88) Benzo(k)fluoranthene	15.06	252	20776m	2.30	ng		
89) Benzo(a)pyrene	15.41	252	37428	4.38	ng	#	91
91) Benzo(g,h,i)perylene	17.32	276	23154	3.15	ng	#	74

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082157.D
Acq On : 9 Oct 2015 21:14
Operator : UM/IZ
Sample : G3933-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 09 23:49:37 2015
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 09 22:47:26 2015
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
TP-COMP-04

Manual Integrations APPROVED
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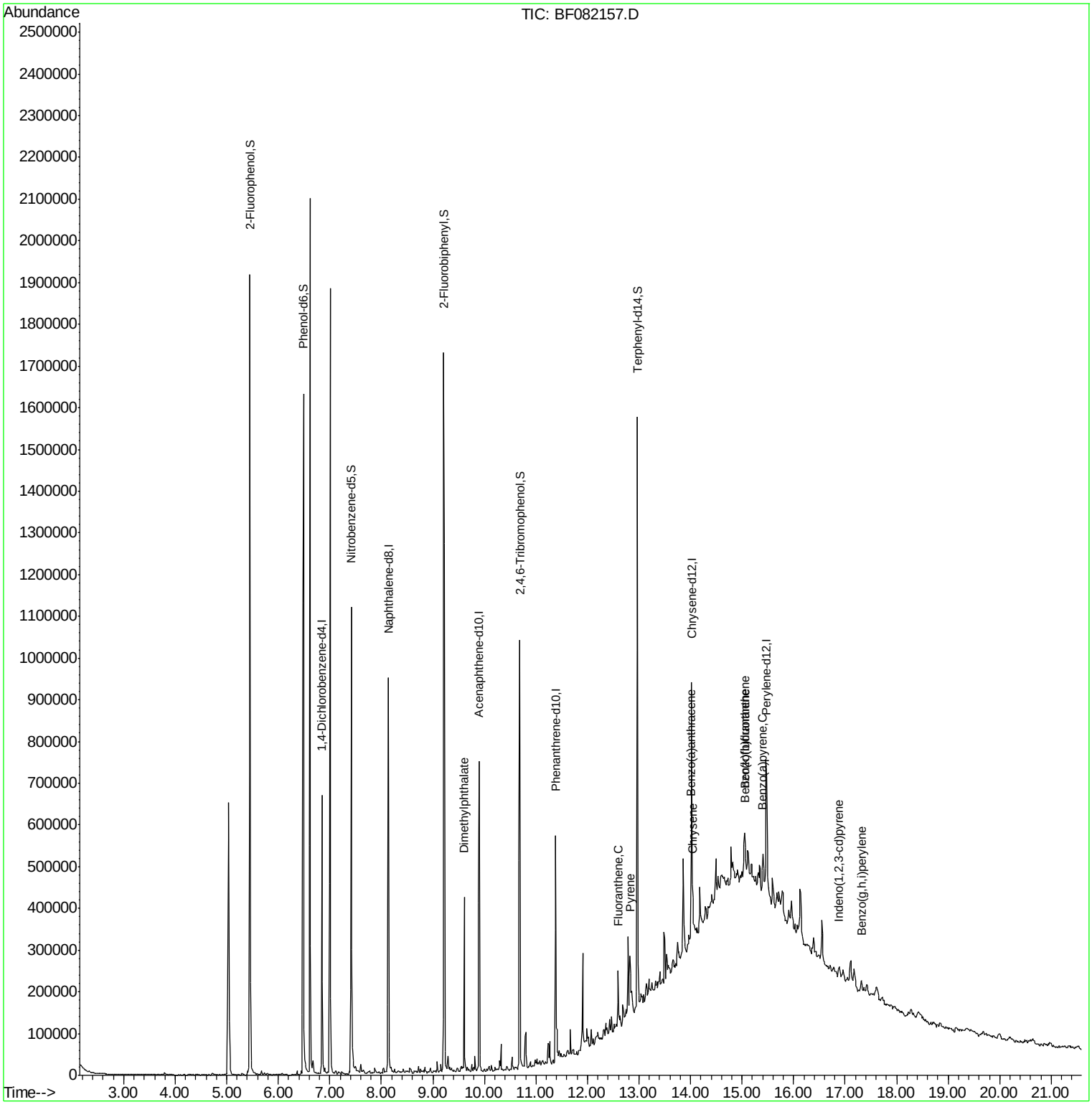
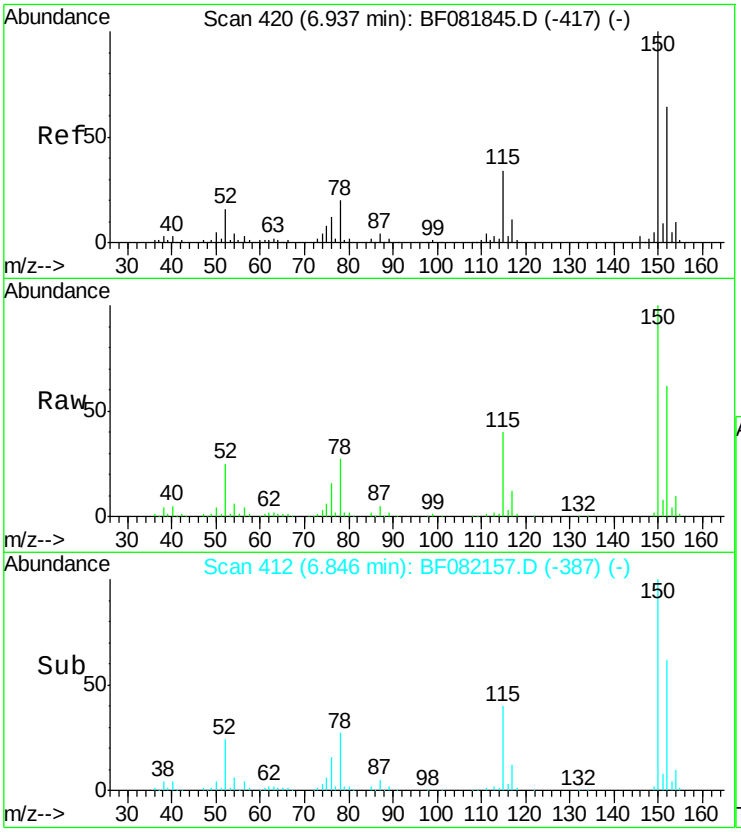
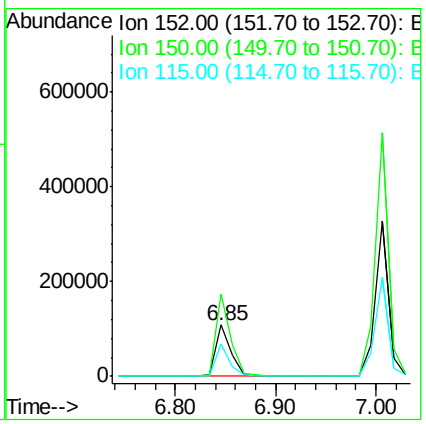




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 412
Delta R.T. -0.01 min
Lab File: BF082157.D
Acq: 9 Oct 2015 21:14

Tgt Ion:152 Resp: 113864

Ion	Ratio	Lower	Upper
152	100		
150	161.1	124.7	187.1
115	64.1	39.0	58.4#



Instrument :
BNA_F
ClientSampleId :
TP-COMP-04

Manual Integrations APPROVED
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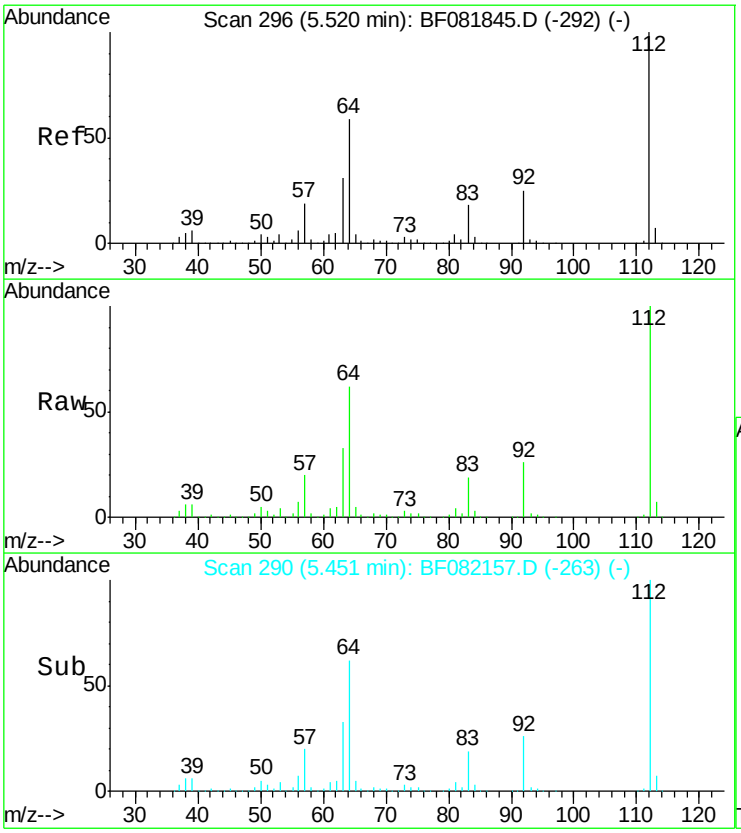
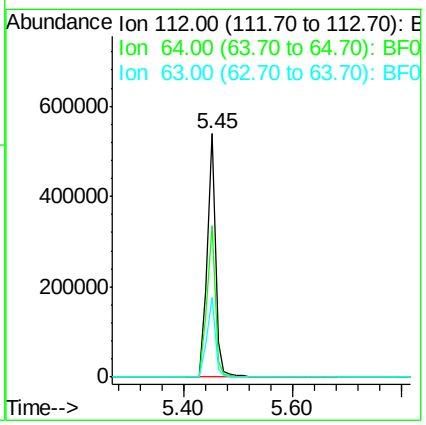
10/12/2015 2:44:39 PM

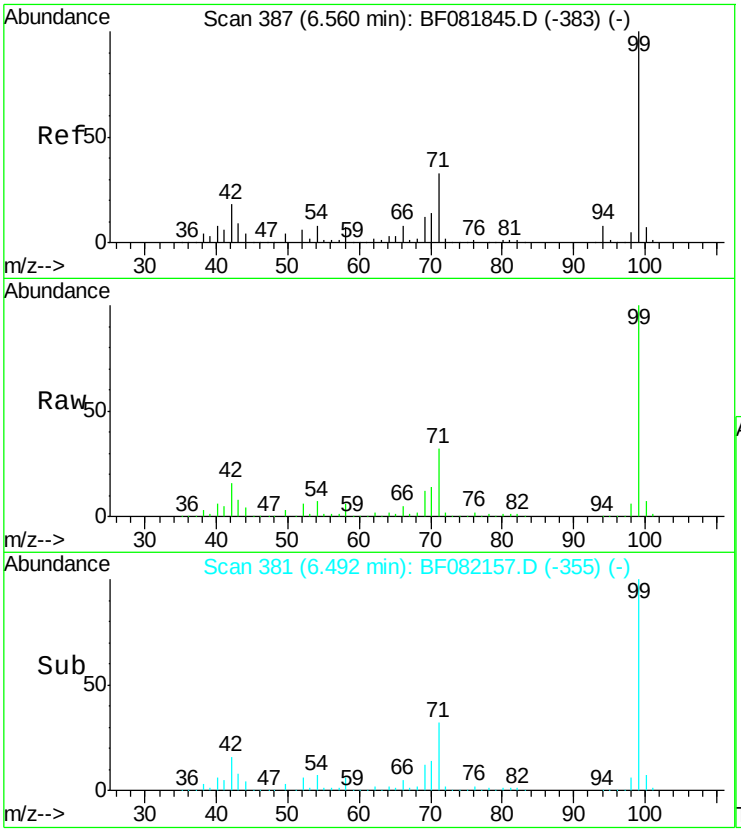


#5
2-Fluorophenol
Concen: 92.93 ng
RT: 5.45 min Scan# 290
Delta R.T. 0.01 min
Lab File: BF082157.D
Acq: 9 Oct 2015 21:14

Tgt Ion:112 Resp: 582902

Ion	Ratio	Lower	Upper
112	100		
64	62.3	39.7	59.5#
63	32.8	17.4	26.0#

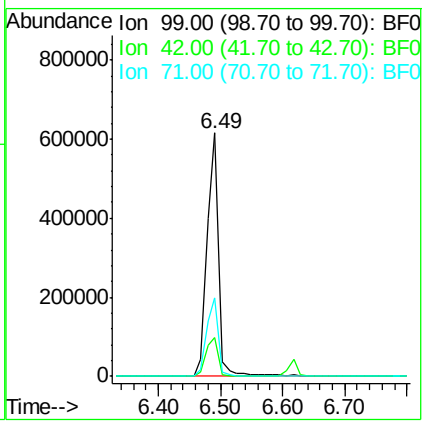




#7
Phenol-d6
Concen: 100.55 ng
RT: 6.49 min Scan# 381
Delta R.T. -0.00 min
Lab File: BF082157.D
Acq: 9 Oct 2015 21:14

Tgt Ion: 99 Resp: 793623

Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.7	20.5
71	32.1	14.2	21.2#



Instrument :
BNA_F
ClientSampleId :
TP-COMP-04

Manual Integrations APPROVED
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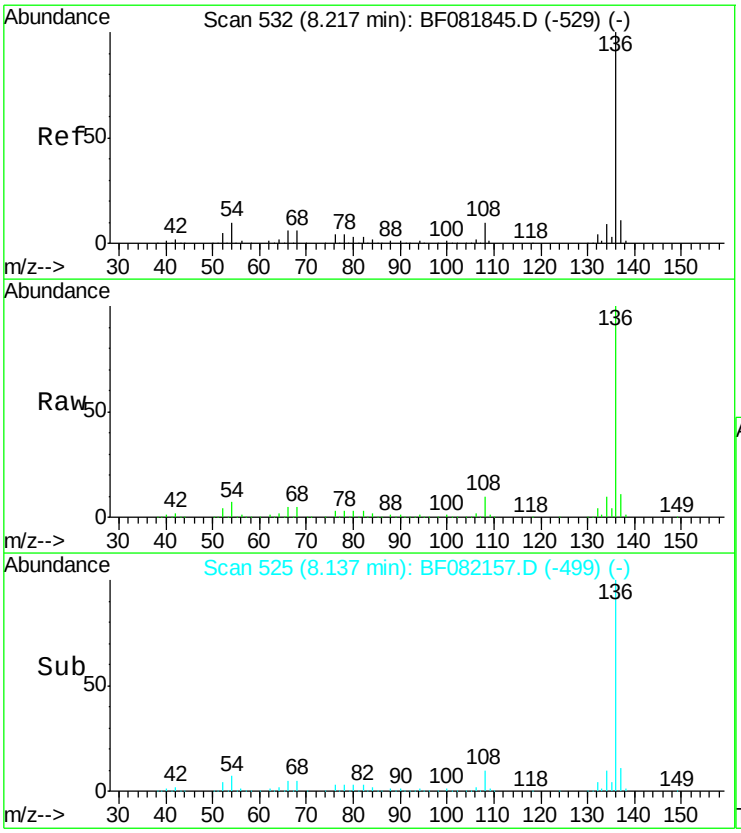
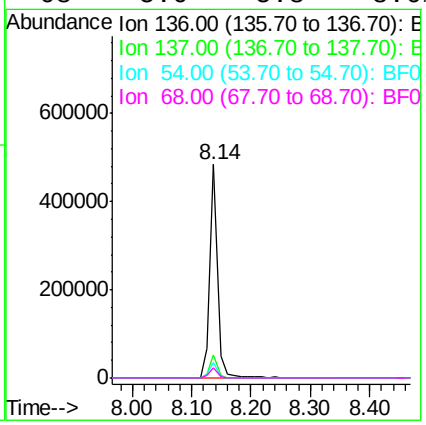
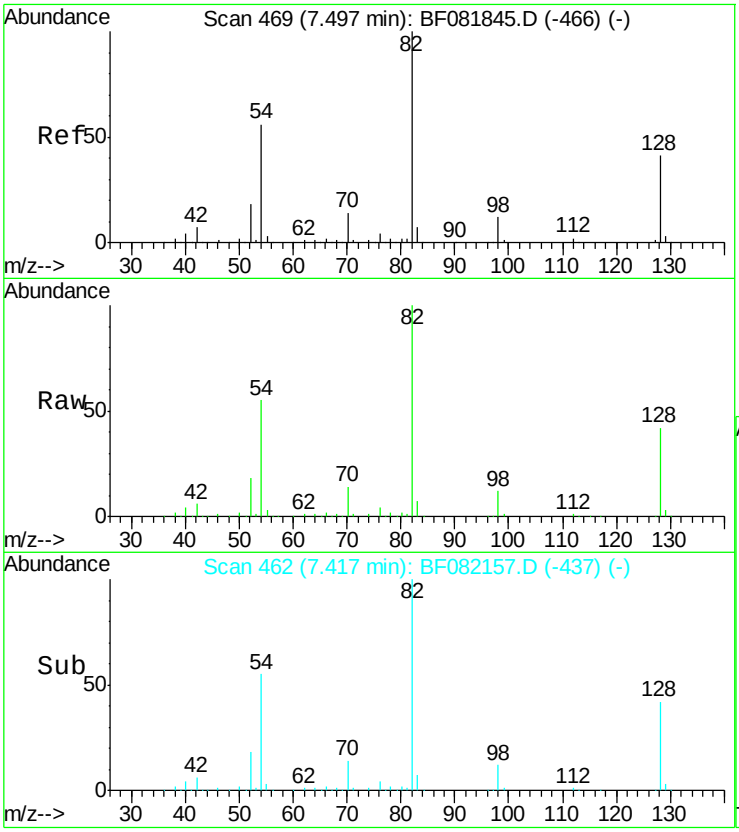


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 525
Delta R.T. -0.00 min
Lab File: BF082157.D
Acq: 9 Oct 2015 21:14

Tgt Ion:136 Resp: 435646

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.6
54	7.5	8.2	12.2#
68	5.0	5.8	8.6#

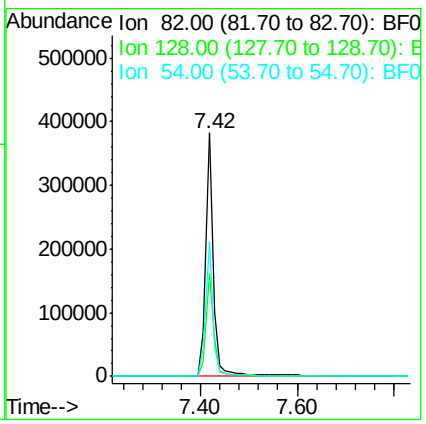




#23
Nitrobenzene-d5
Concen: 66.07 ng
RT: 7.42 min Scan# 462
Delta R.T. -0.01 min
Lab File: BF082157.D
Acq: 9 Oct 2015 21:14

Tgt Ion: 82 Resp: 431797

Ion	Ratio	Lower	Upper
82	100		
128	42.5	51.0	76.6#
54	55.4	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
TP-COMP-04

Manual Integrations APPROVED
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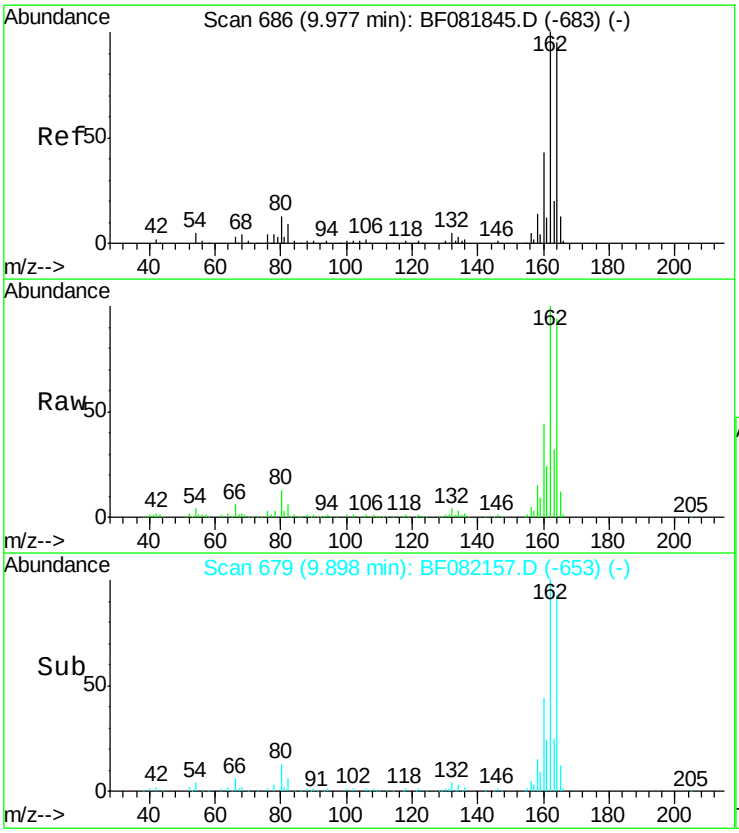
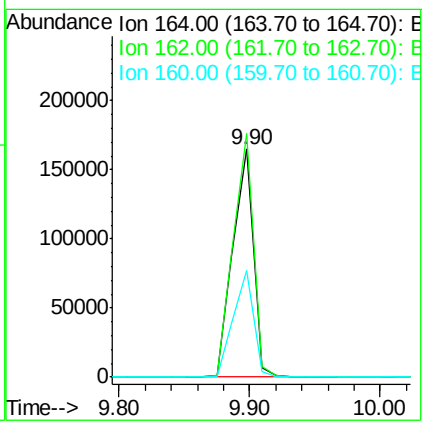
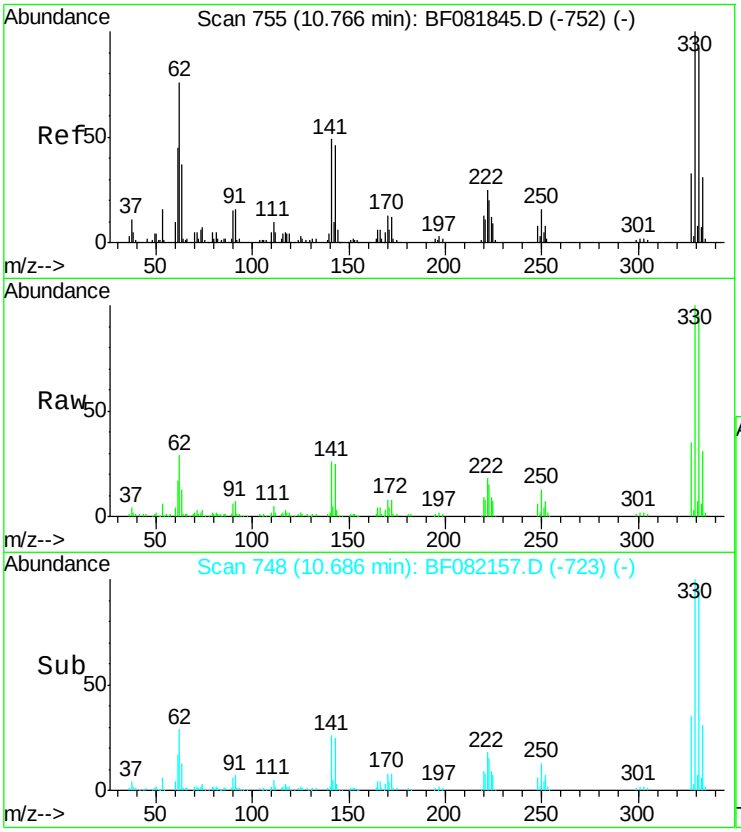


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 679
Delta R.T. -0.00 min
Lab File: BF082157.D
Acq: 9 Oct 2015 21:14

Tgt Ion:164 Resp: 179765

Ion	Ratio	Lower	Upper
164	100		
162	106.7	75.2	112.8
160	46.7	31.5	47.3

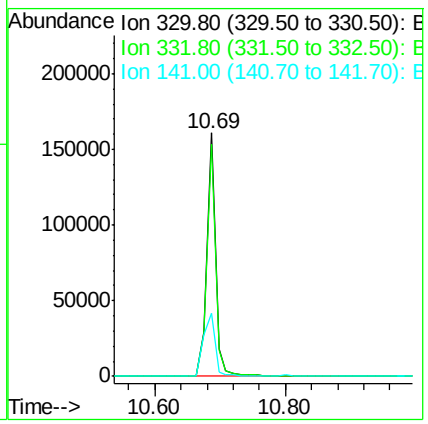




#41
2,4,6-Tribromophenol
Concen: 82.91 ng
RT: 10.69 min Scan# 748
Delta R.T. -0.01 min
Lab File: BF082157.D
Acq: 9 Oct 2015 21:14

Tgt Ion:330 Resp: 150953

Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.6	114.8
141	34.5	29.7	44.5



Instrument :
BNA_F
ClientSampleId :
TP-COMP-04

Manual Integrations APPROVED
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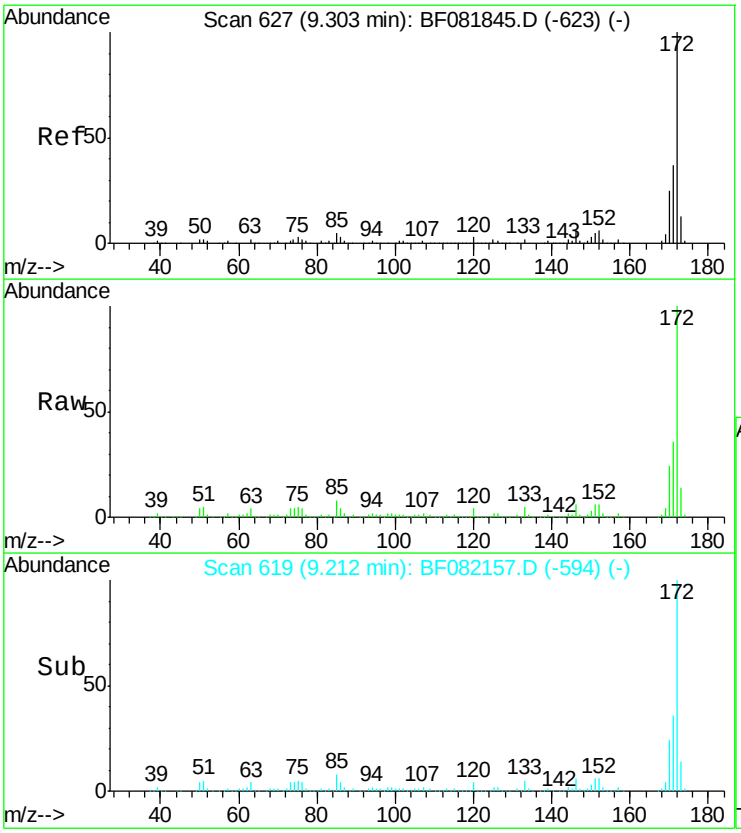
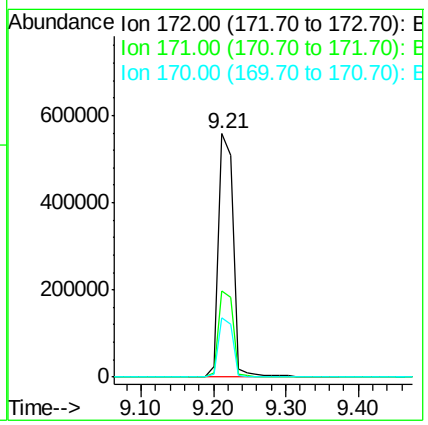
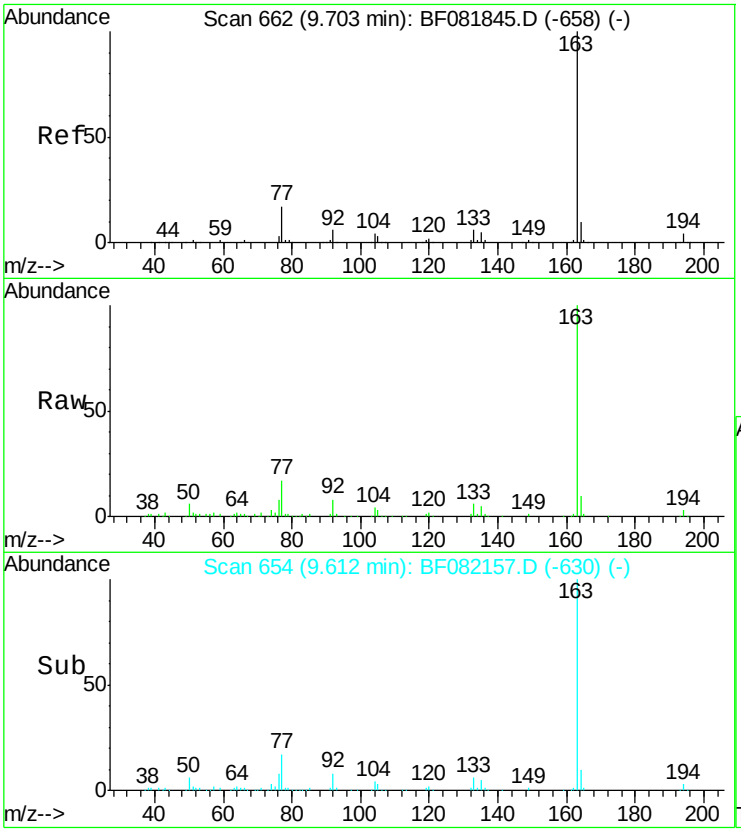


#44
2-Fluorobiphenyl
Concen: 70.98 ng
RT: 9.21 min Scan# 619
Delta R.T. -0.01 min
Lab File: BF082157.D
Acq: 9 Oct 2015 21:14

Tgt Ion:172 Resp: 787369

Ion	Ratio	Lower	Upper
172	100		
171	35.6	26.1	39.1
170	24.2	17.4	26.2

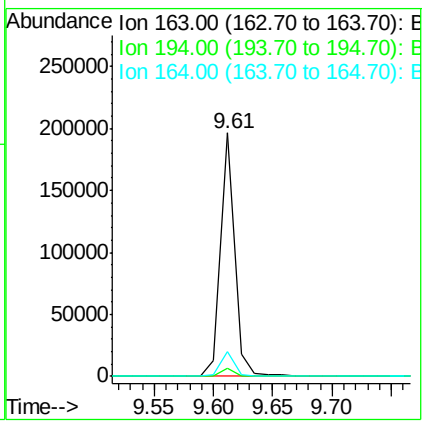




#49
Dimethylphthalate
Concen: 12.84 ng
RT: 9.61 min Scan# 654
Delta R.T. -0.02 min
Lab File: BF082157.D
Acq: 9 Oct 2015 21:14

Tgt Ion:163 Resp: 159275

Ion	Ratio	Lower	Upper
163	100		
194	3.4	4.4	6.6#
164	10.0	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
TP-COMP-04

Manual Integrations APPROVED
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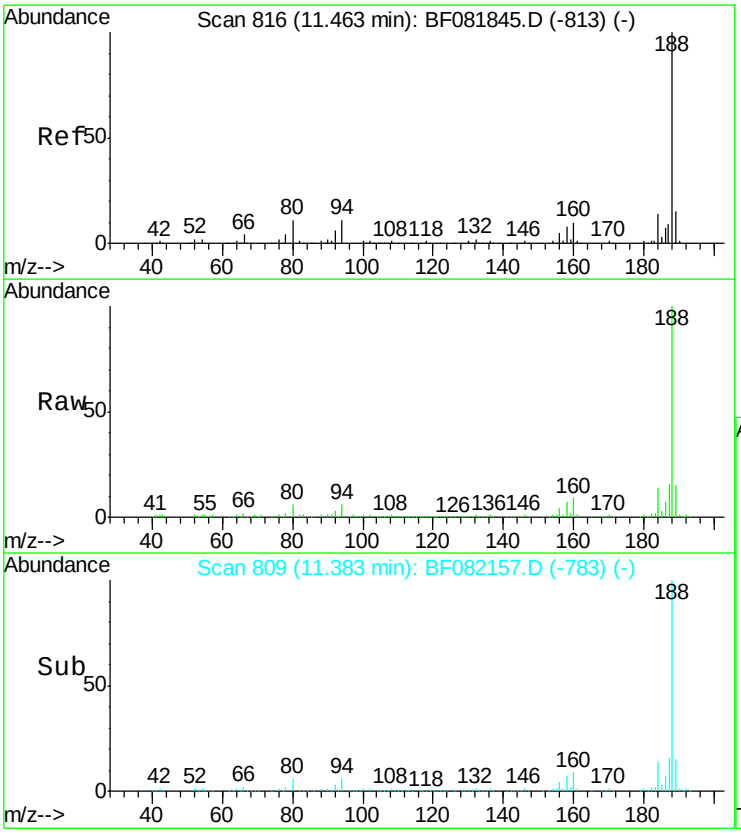
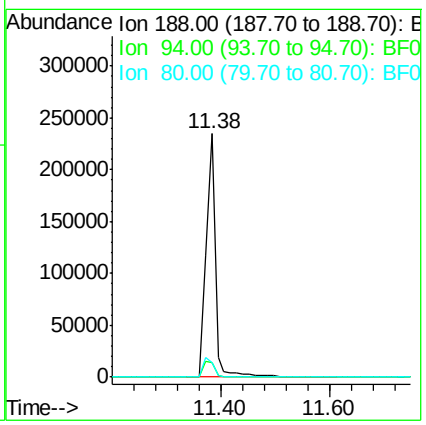
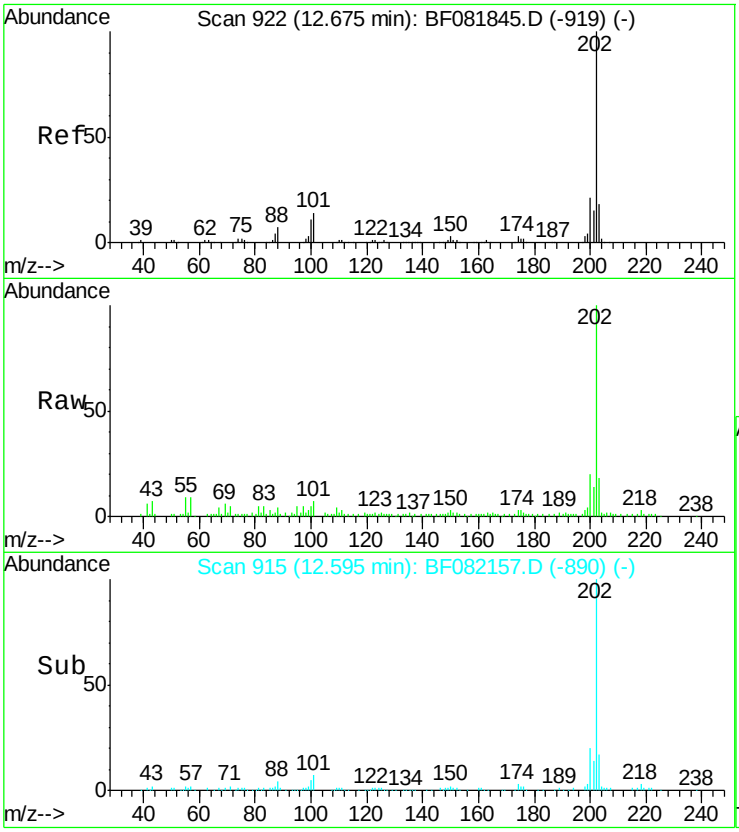


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 809
Delta R.T. -0.00 min
Lab File: BF082157.D
Acq: 9 Oct 2015 21:14

Tgt Ion:188 Resp: 276429

Ion	Ratio	Lower	Upper
188	100		
94	6.1	11.1	16.7#
80	6.2	11.0	16.4#

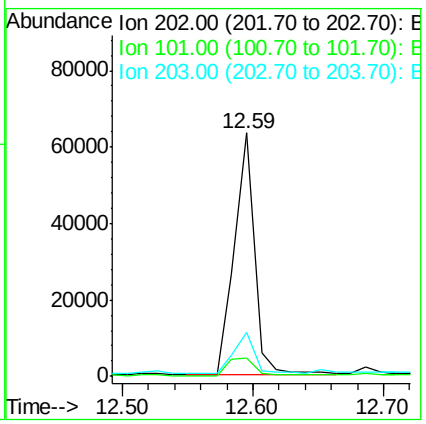




#74
Fluoranthene
Concen: 4.62 ng
RT: 12.59 min Scan# 915
Delta R.T. -0.01 min
Lab File: BF082157.D
Acq: 9 Oct 2015 21:14

Tgt Ion:202 Resp: 68424

Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	38.3
203	18.0	0.0	37.3



Instrument :
BNA_F
ClientSampleId :
TP-COMP-04

Manual Integrations APPROVED
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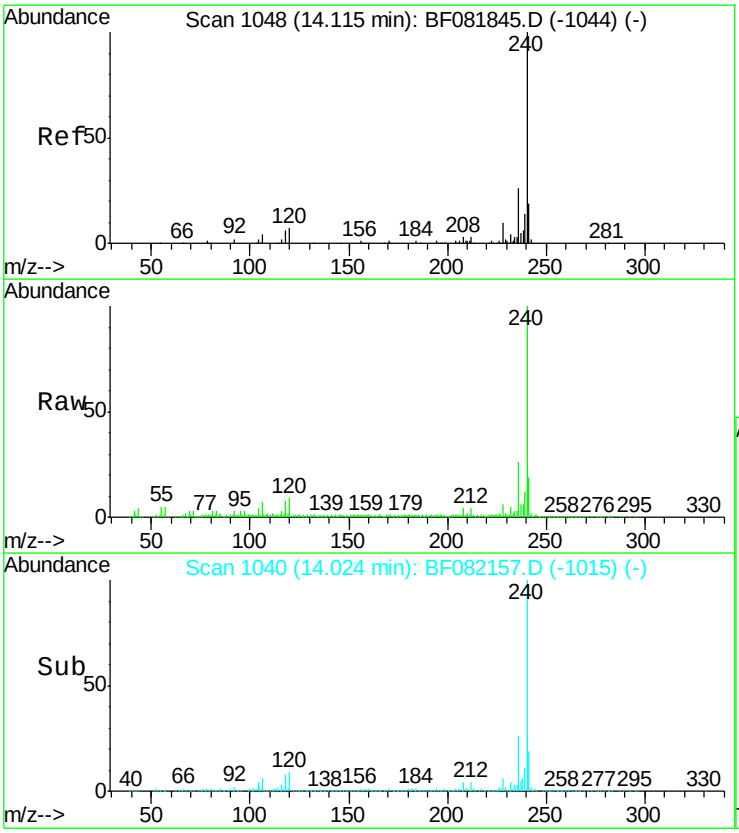
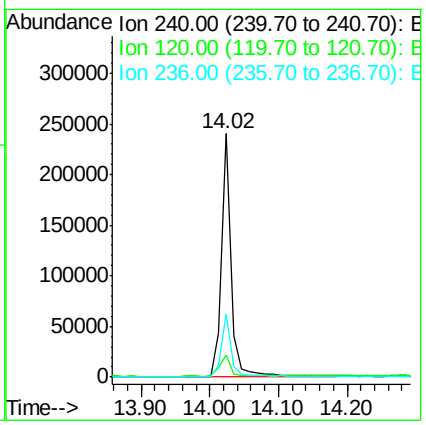
10/12/2015 2:44:39 PM

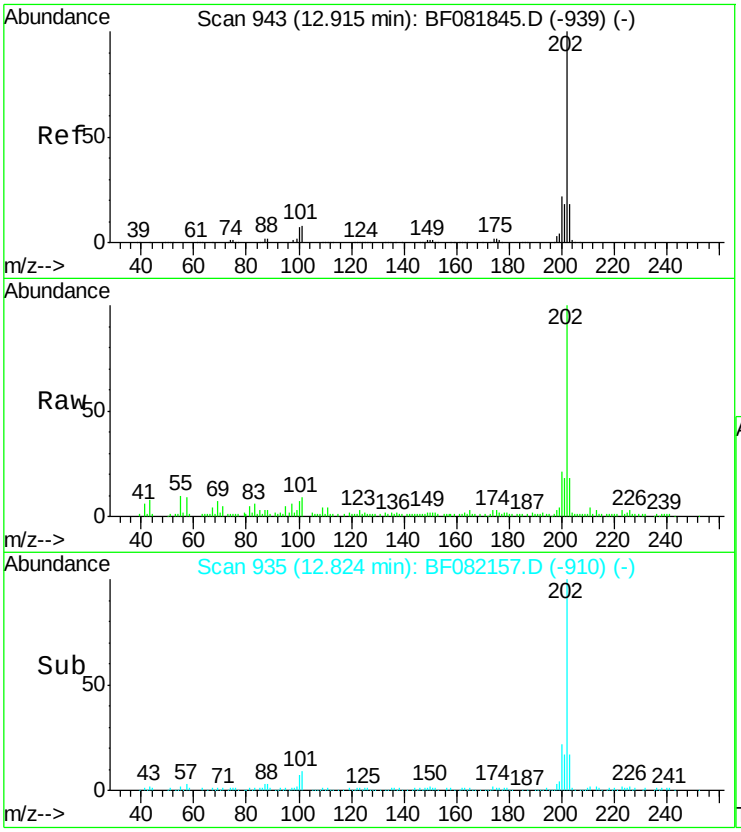


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF082157.D
Acq: 9 Oct 2015 21:14

Tgt Ion:240 Resp: 241663

Ion	Ratio	Lower	Upper
240	100		
120	9.3	16.2	24.2#
236	26.2	18.4	27.6

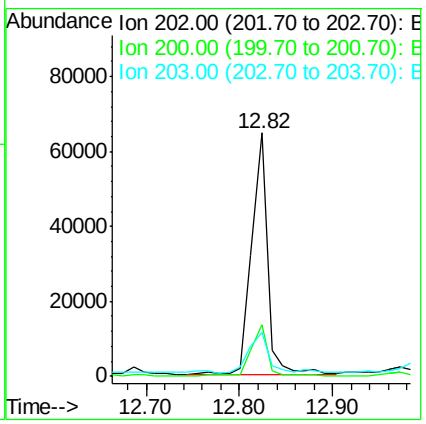




#77
Pyrene
Concen: 5.36 ng
RT: 12.82 min Scan# 935
Delta R.T. -0.01 min
Lab File: BF082157.D
Acq: 9 Oct 2015 21:14

Tgt Ion:202 Resp: 77357

Ion	Ratio	Lower	Upper
202	100		
200	21.4	15.0	22.4
203	17.9	14.1	21.1



Instrument :
BNA_F
ClientSampleId :
TP-COMP-04

Manual Integrations APPROVED
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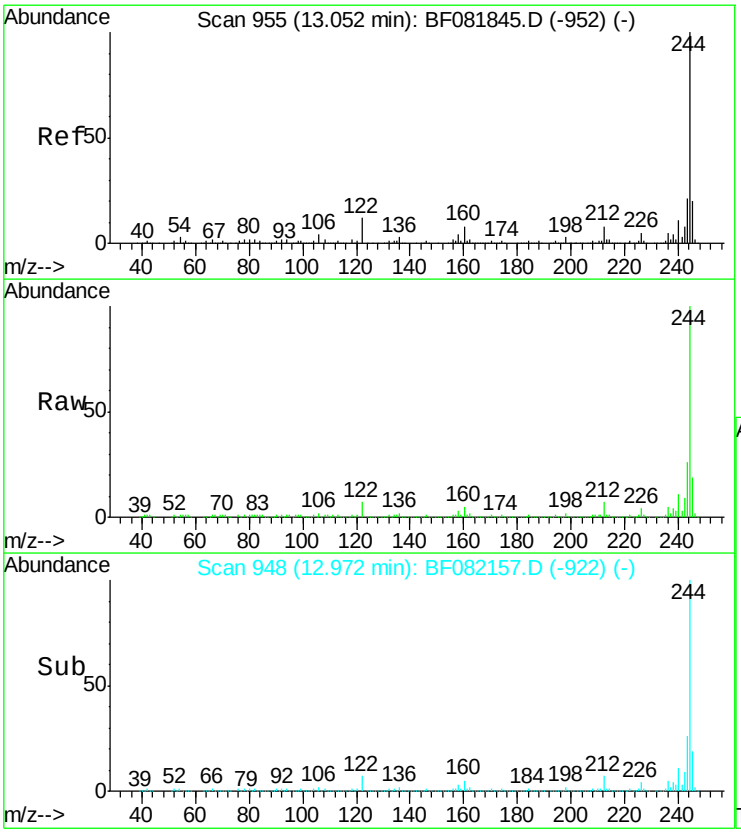
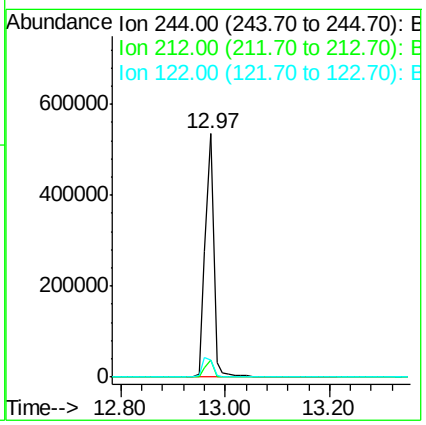
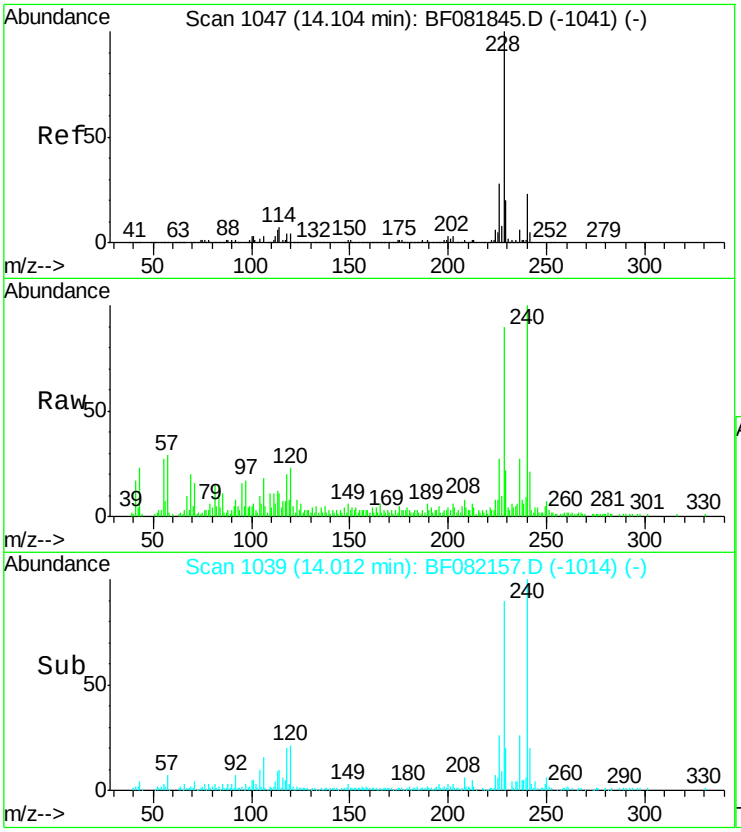


#78
Terphenyl-d14
Concen: 80.57 ng
RT: 12.97 min Scan# 948
Delta R.T. -0.00 min
Lab File: BF082157.D
Acq: 9 Oct 2015 21:14

Tgt Ion:244 Resp: 611607

Ion	Ratio	Lower	Upper
244	100		
212	6.9	4.3	6.5#
122	6.8	17.4	26.2#





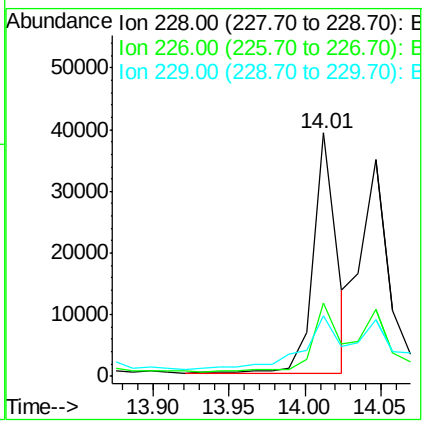
#80
Benzo(a)anthracene
Concen: 3.23 ng m
RT: 14.01 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF082157.D
Acq: 9 Oct 2015 21:14

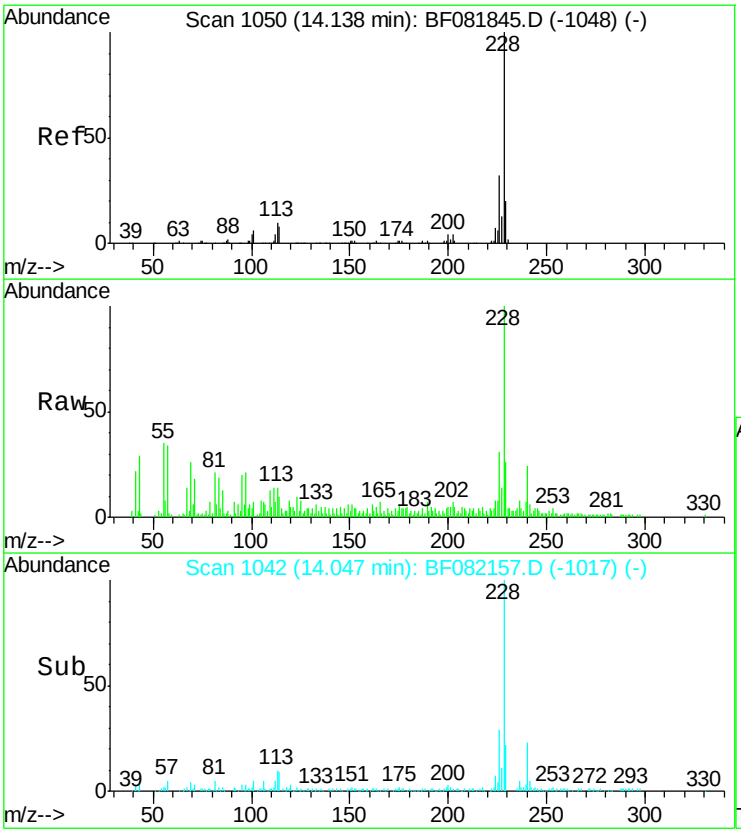
Tgt Ion:228 Resp: 42057

Ion	Ratio	Lower	Upper
228	100		
226	30.0	20.0	30.0#
229	24.8	15.4	23.2#

Instrument :
BNA_F
ClientSampleId :
TP-COMP-04

Manual Integrations APPROVED
MMDadoda
10/12/2015 2:44:39 PM

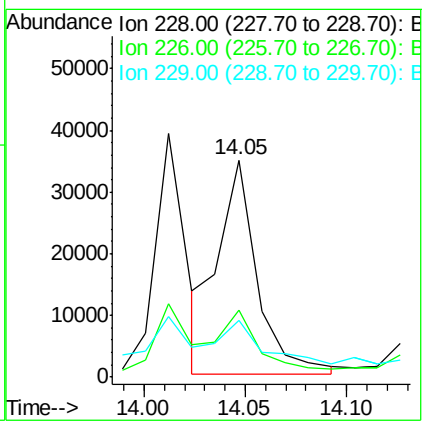


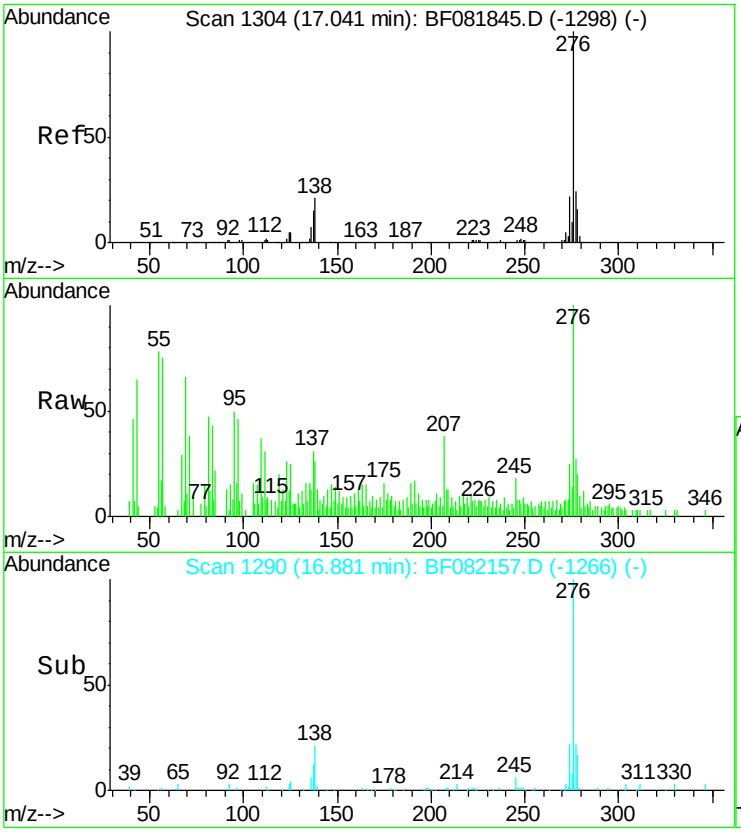


#82
Chrysene
Concen: 3.56 ng m
RT: 14.05 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF082157.D
Acq: 9 Oct 2015 21:14

Tgt Ion:228 Resp: 45939

Ion	Ratio	Lower	Upper
228	100		
226	31.1	21.0	31.4
229	26.2	15.6	23.4#

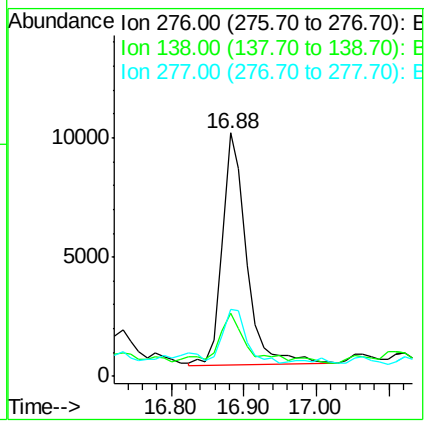




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.21 ng
RT: 16.88 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF082157.D
Acq: 9 Oct 2015 21:14

Tgt Ion:276 Resp: 22513

Ion	Ratio	Lower	Upper
276	100		
138	27.4	25.7	38.5
277	20.6	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
TP-COMP-04

Manual Integrations APPROVED
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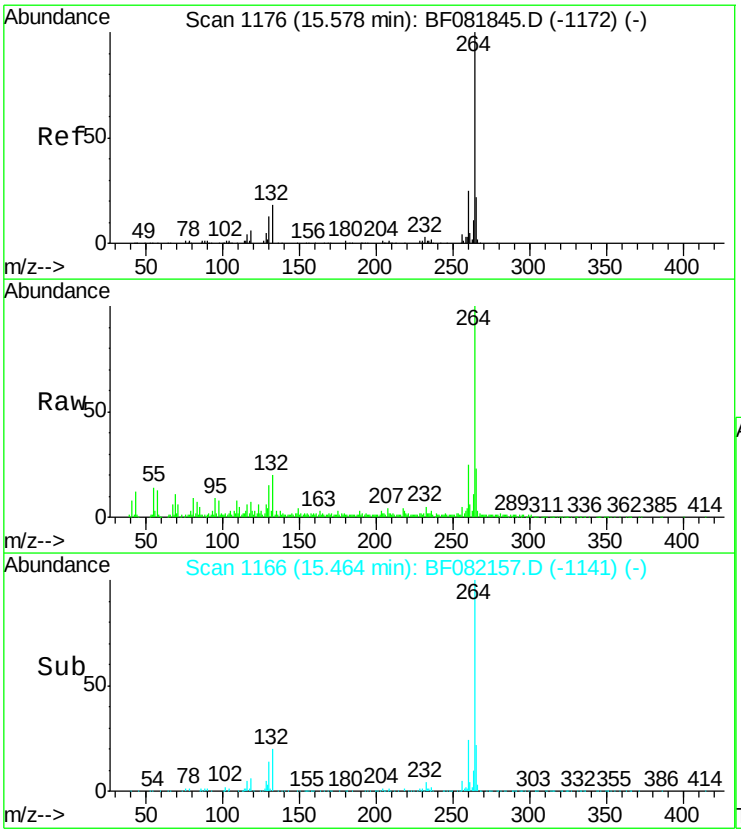
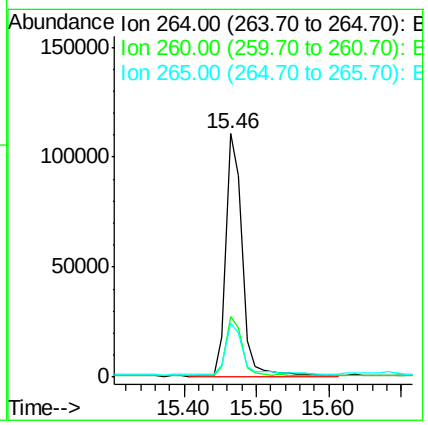
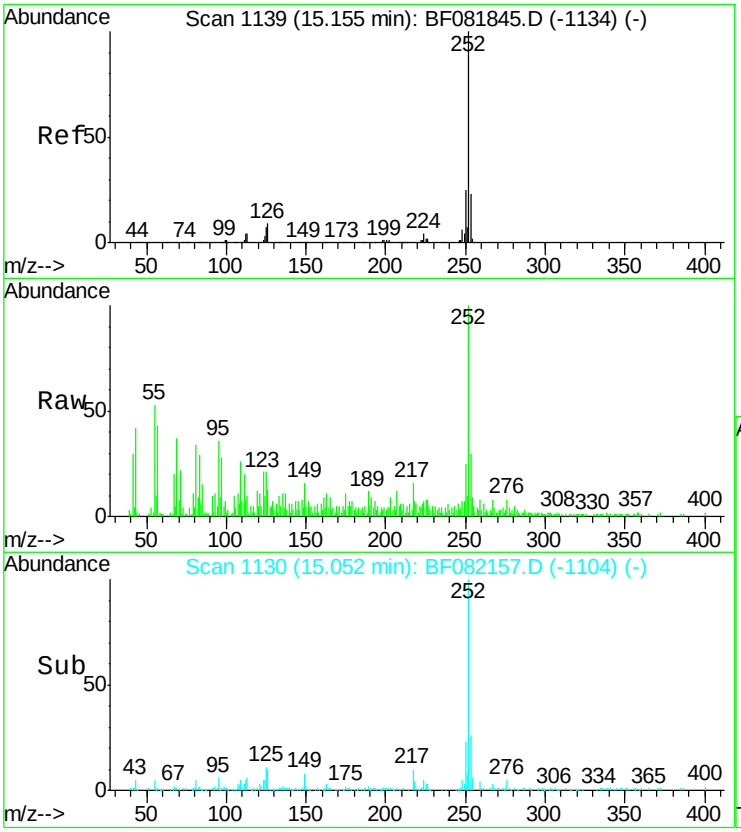


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF082157.D
Acq: 9 Oct 2015 21:14

Tgt Ion:264 Resp: 172418

Ion	Ratio	Lower	Upper
264	100		
260	24.7	16.7	25.1
265	22.5	17.2	25.8





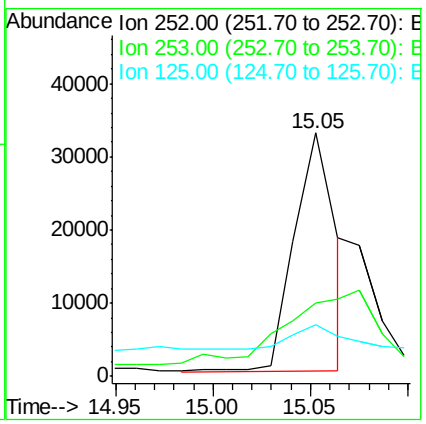
#87
Benzo(b)fluoranthene
Concen: 4.87 ng m
RT: 15.05 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BF082157.D
Acq: 9 Oct 2015 21:14

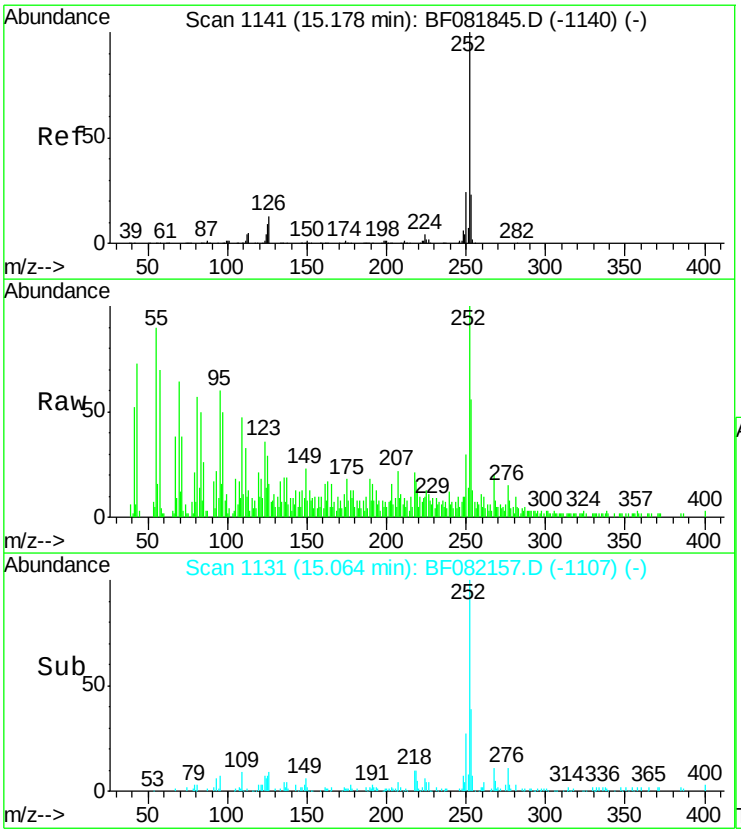
Tgt Ion:252 Resp: 47896

Ion	Ratio	Lower	Upper
252	100		
253	30.2	17.5	26.3#
125	21.2	17.1	25.7

Instrument :
BNA_F
ClientSampleId :
TP-COMP-04

Manual Integrations APPROVED
MMDadoda
10/12/2015 2:44:39 PM

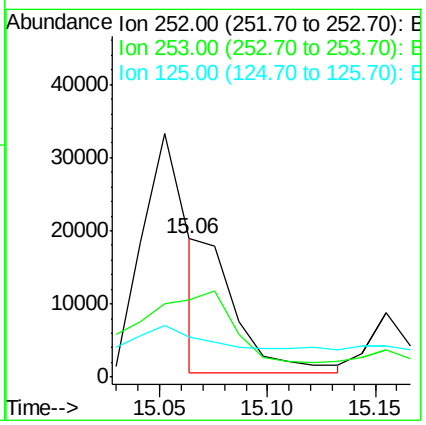


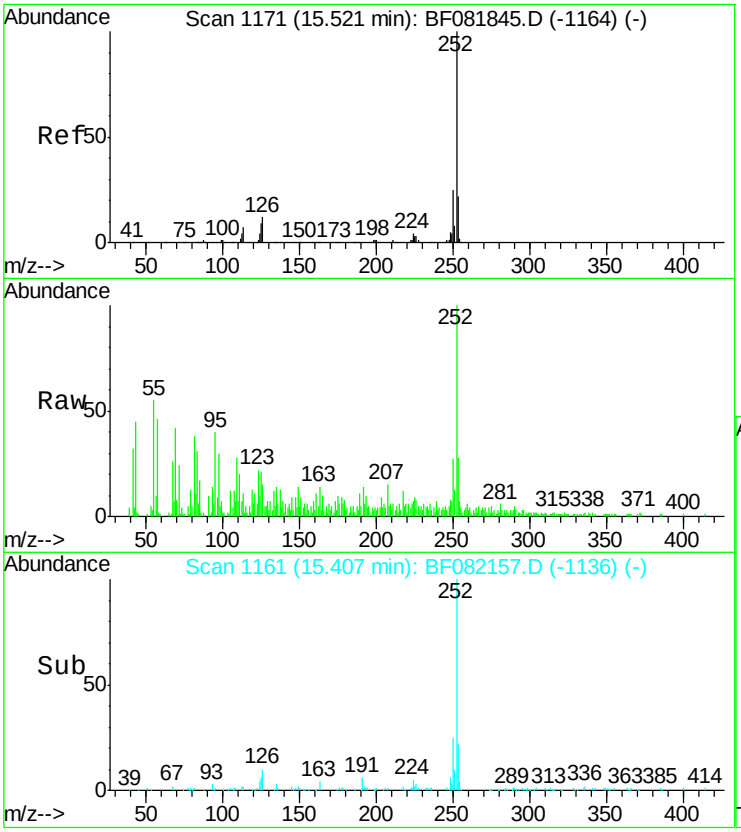


#88
Benzo(k)fluoranthene
Concen: 2.30 ng m
RT: 15.06 min Scan# 1131
Delta R.T. -0.02 min
Lab File: BF082157.D
Acq: 9 Oct 2015 21:14

Tgt Ion:252 Resp: 20776

Ion	Ratio	Lower	Upper
252	100		
253	56.2	17.0	25.4#
125	28.9	16.0	24.0#





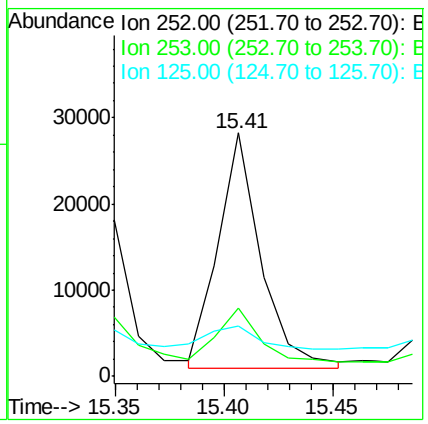
#89
Benzo(a)pyrene
Concen: 4.38 ng
RT: 15.41 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF082157.D
Acq: 9 Oct 2015 21:14

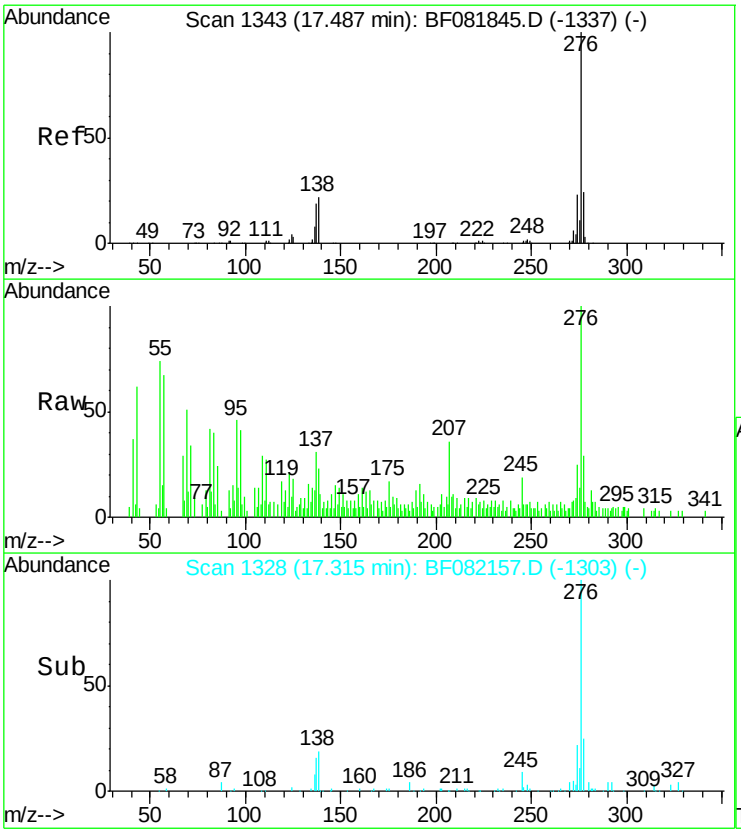
Tgt Ion:252 Resp: 37428

Ion	Ratio	Lower	Upper
252	100		
253	28.2	17.2	25.8#
125	20.5	18.0	27.0

Instrument :
BNA_F
ClientSampleId :
TP-COMP-04

Manual Integrations APPROVED
MMDadoda
10/12/2015 2:44:39 PM





#91
Benzo(g,h,i)perylene
Concen: 3.15 ng
RT: 17.32 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF082157.D
Acq: 9 Oct 2015 21:14

Tgt Ion:276 Resp: 23154

Ion	Ratio	Lower	Upper
276	100		
277	29.5	17.8	26.6#
138	23.3	34.6	51.8#