Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100515\
Data File : BF082056.D
Acq On : 5 Oct 2015 20:58
Operator : UM/IZ
Sample : G3846-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
016-TB-13(4-8)

Manual Integrations APPROVED
MMDadoda
10/6/2015 2:54:25 PM

Quant Time: Oct 06 05:49:05 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 05 17:58:12 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	46068	20.00	ng	0.02
21) Naphthalene-d8	8.21	136	83705	20.00	ng	0.03
38) Acenaphthene-d10	10.01	164	111521	20.00	ng	0.08
63) Phenanthrene-d10	11.49	188	73177	20.00	ng	0.07
75) Chrysene-d12	14.08	240	121385	20.00	ng	0.02
86) Perylene-d12	15.51	264	107997	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	319451	125.88	ng	0.00
7) Phenol-d6	6.51	99	398024	124.64	ng	0.00
23) Nitrobenzene-d5	7.46	82	308485	245.67	ng	0.01
41) 2,4,6-Tribromophenol	10.80	330	80075	70.90	ng	0.08
44) 2-Fluorobiphenyl	9.30	172	332943	45.58	ng	0.06
78) Terphenyl-d14	13.04	244	340551	93.02	ng	0.03
Target Compounds						Qvalue
31) Naphthalene	8.25	128	2357232	635.54	ng	# 91
37) 2-Methylnaphthalene	8.97	142	4992469	1971.93	ng	# 88
45) 1,1'-Biphenyl	9.41	154	818067	95.08	ng	93
70) Phenanthrene	11.52	178	1994829	586.51	ng	# 91
74) Fluoranthene	12.69	202	79569	20.30	ng	74
77) Pyrene	12.90	202	309481m	42.68	ng	
80) Benzo(a)anthracene	14.09	228	30537m	4.67	ng	
82) Chrysene	14.10	228	22622m	3.51	ng	

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

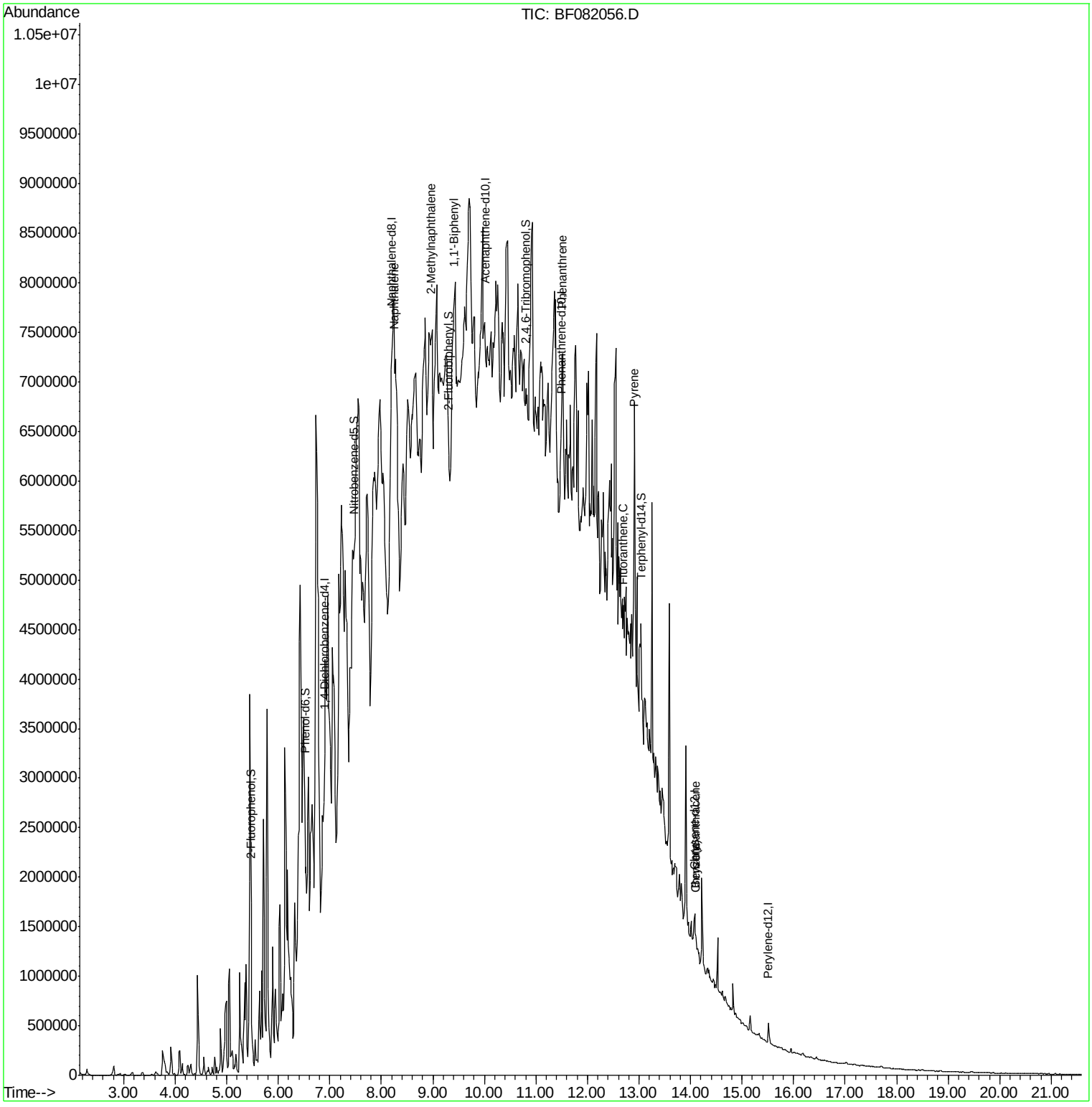
Quantitation Report (LSC Reviewed)

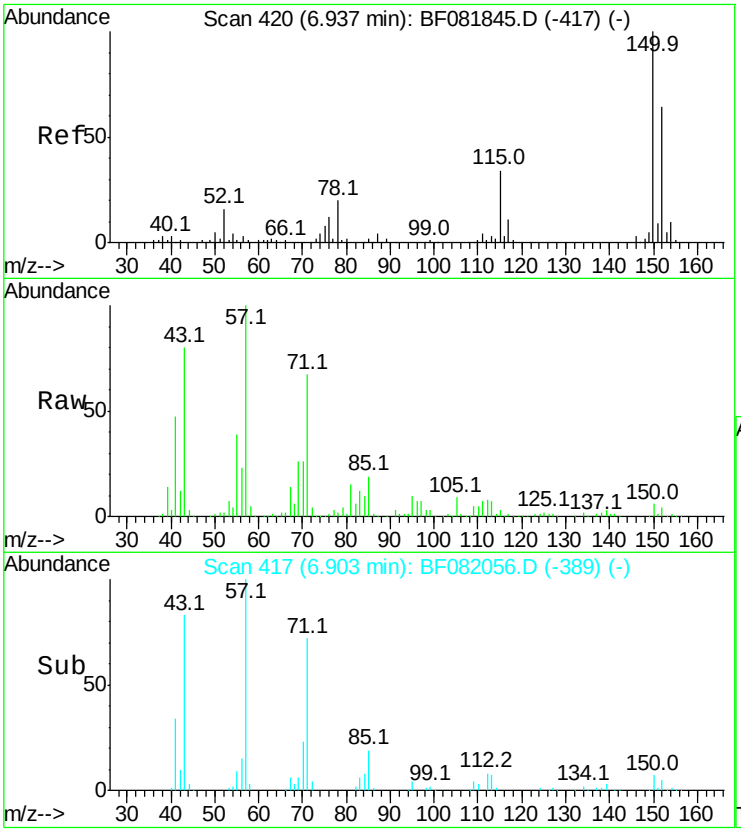
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100515\
Data File : BF082056.D
Acq On : 5 Oct 2015 20:58
Operator : UM/IZ
Sample : G3846-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 06 05:49:05 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 05 17:58:12 2015
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
016-TB-13(4-8)

Manual Integrations APPROVED
MMDadoda
10/6/2015 2:54:25 PM

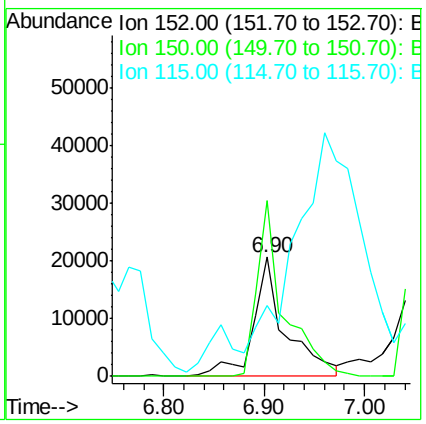




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 417
Delta R.T. 0.02 min
Lab File: BF082056.D
Acq: 5 Oct 2015 20:58

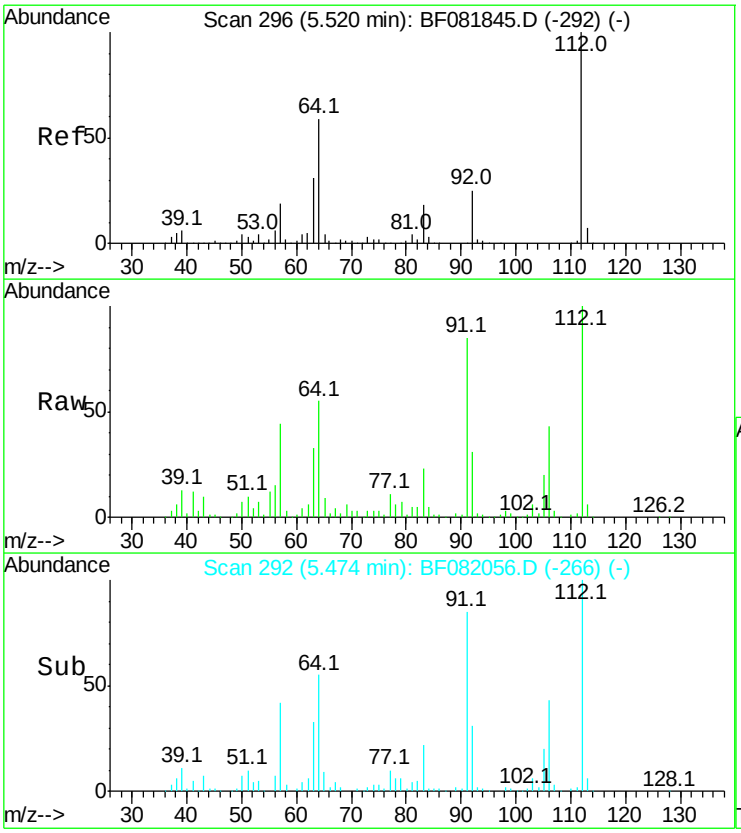
Tgt Ion:152 Resp: 46068

Ion	Ratio	Lower	Upper
152	100		
150	147.3	124.7	187.1
115	59.3	39.0	58.4#



Instrument :
BNA_F
ClientSampleId :
016-TB-13(4-8)

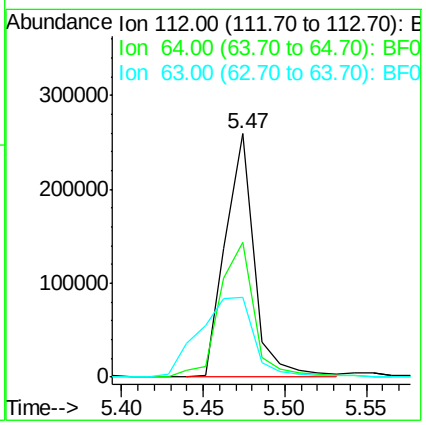
Manual Integrations APPROVED
MMDadoda
10/6/2015 2:54:25 PM

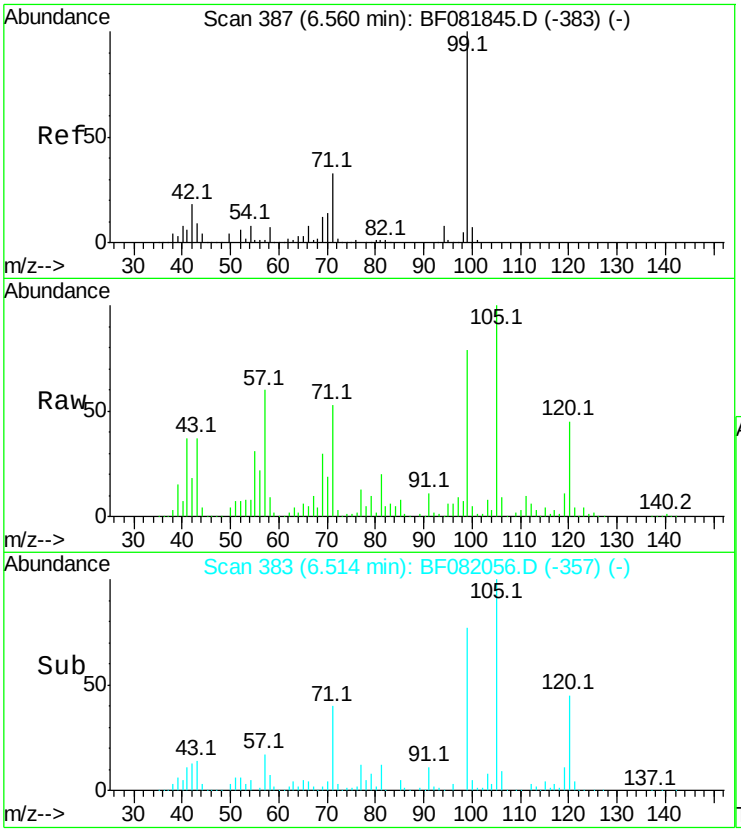


#5
2-Fluorophenol
Concen: 125.88 ng
RT: 5.47 min Scan# 292
Delta R.T. -0.00 min
Lab File: BF082056.D
Acq: 5 Oct 2015 20:58

Tgt Ion:112 Resp: 319451

Ion	Ratio	Lower	Upper
112	100		
64	55.2	39.7	59.5
63	32.9	17.4	26.0#

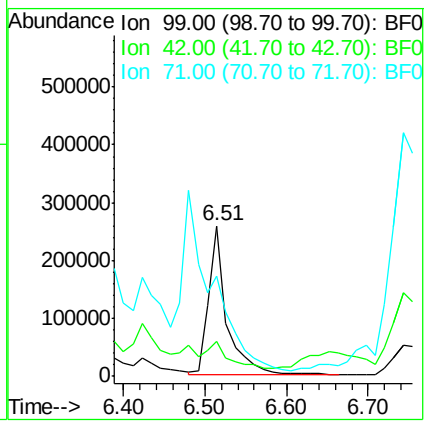




#7
Phenol-d6
Concen: 124.64 ng
RT: 6.51 min Scan# 383
Delta R.T. -0.00 min
Lab File: BF082056.D
Acq: 5 Oct 2015 20:58

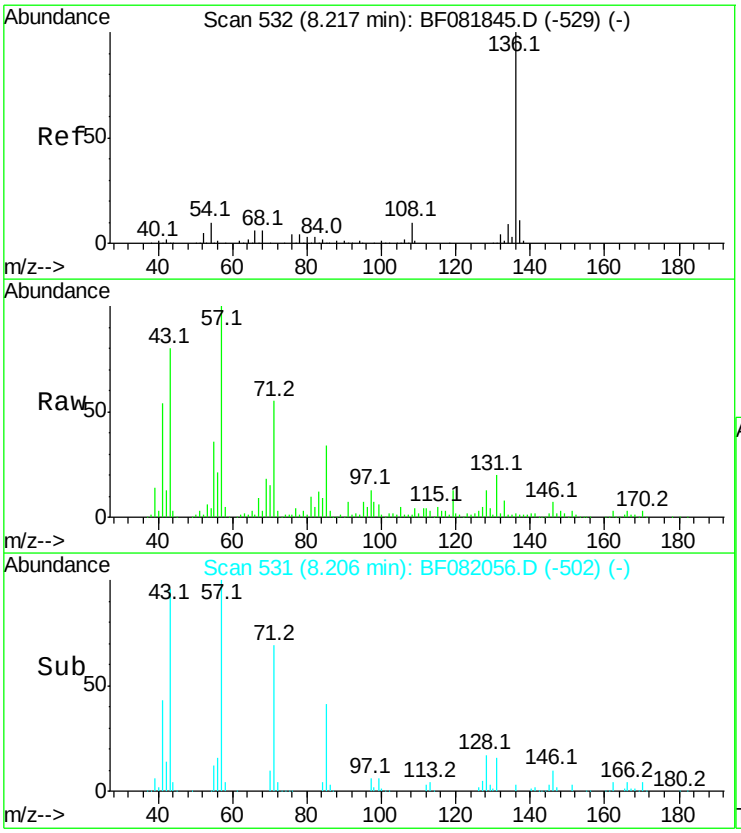
Tgt Ion: 99 Resp: 398024

Ion	Ratio	Lower	Upper
99	100		
42	23.3	13.7	20.5#
71	66.6	14.2	21.2#



Instrument :
BNA_F
ClientSampleId :
016-TB-13(4-8)

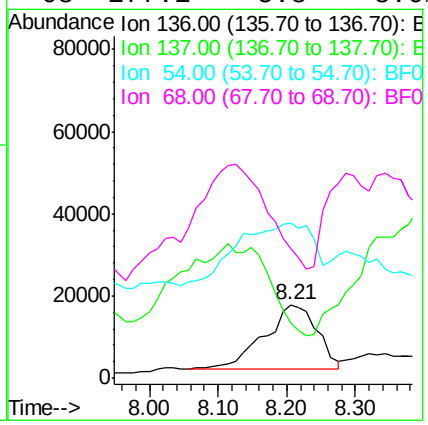
Manual Integrations APPROVED
MMDadoda
10/6/2015 2:54:25 PM

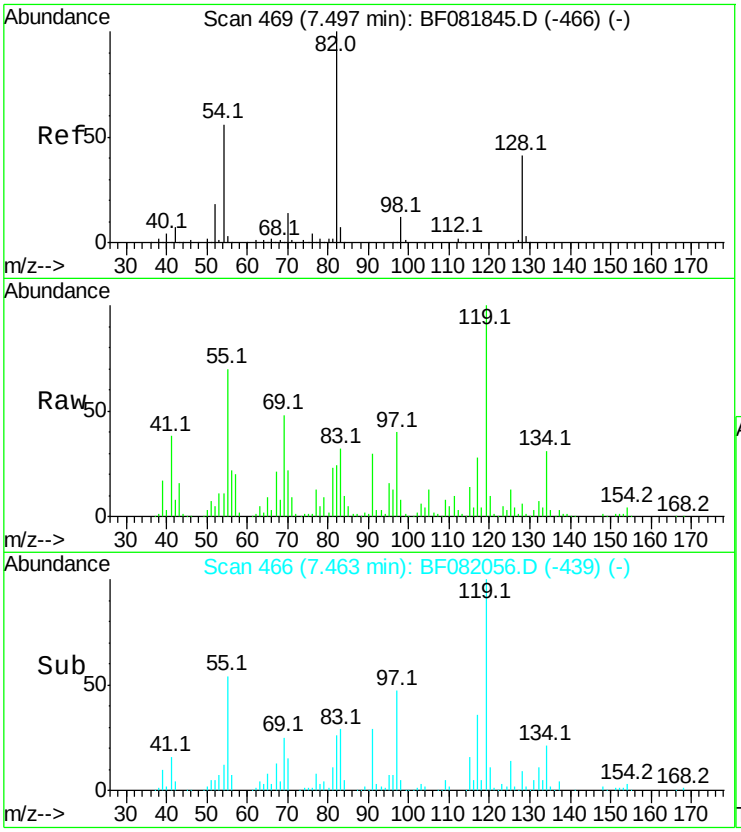


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.21 min Scan# 531
Delta R.T. 0.03 min
Lab File: BF082056.D
Acq: 5 Oct 2015 20:58

Tgt Ion:136 Resp: 83705

Ion	Ratio	Lower	Upper
136	100		
137	75.3	9.0	13.6#
54	211.7	8.2	12.2#
68	177.1	5.8	8.6#

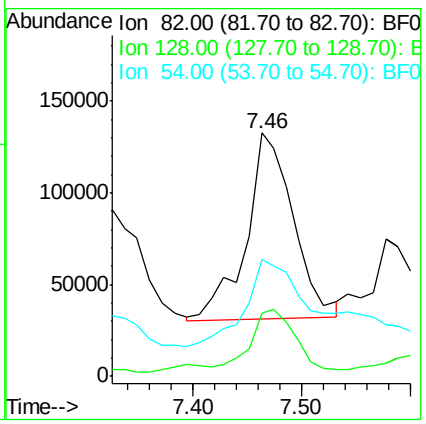




#23
Nitrobenzene-d5
Concen: 245.67 ng
RT: 7.46 min Scan# 466
Delta R.T. 0.01 min
Lab File: BF082056.D
Acq: 5 Oct 2015 20:58

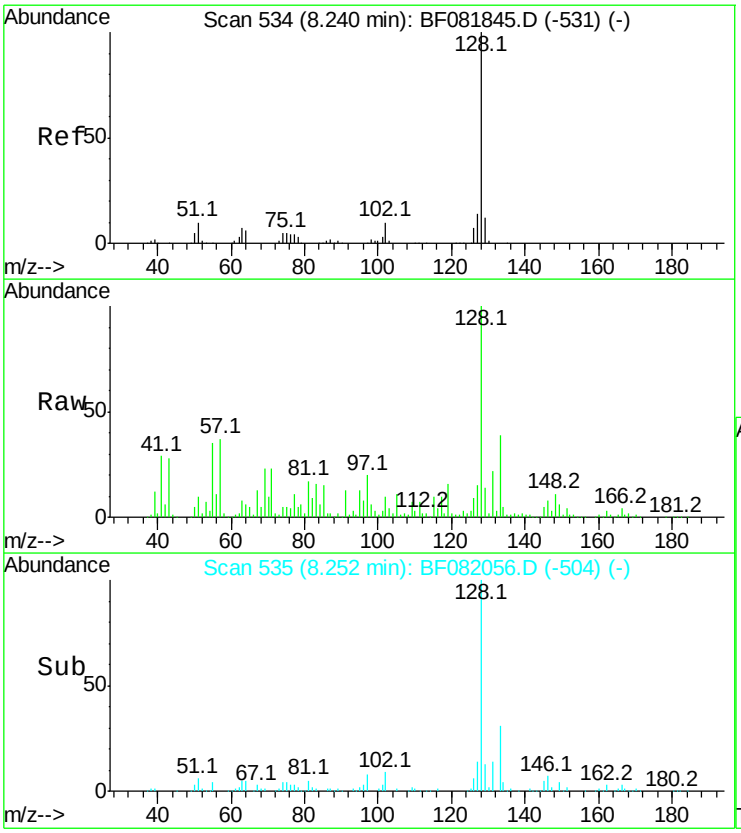
Tgt Ion: 82 Resp: 308485

Ion	Ratio	Lower	Upper
82	100		
128	26.1	51.0	76.6#
54	48.0	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
016-TB-13(4-8)

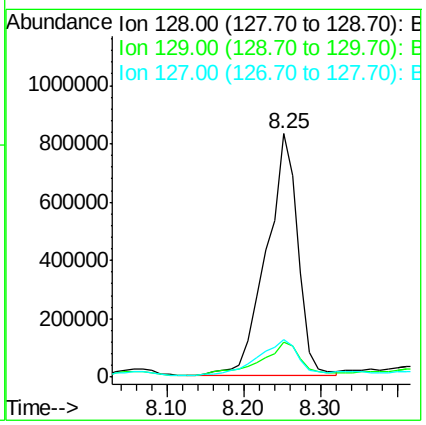
Manual Integrations APPROVED
MMDadoda
10/6/2015 2:54:25 PM

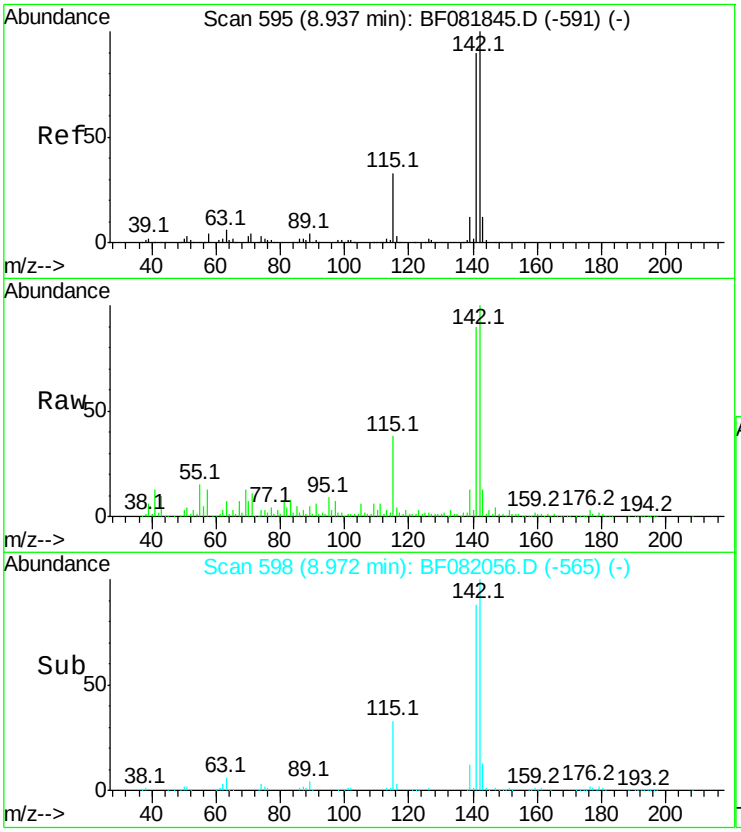


#31
Naphthalene
Concen: 635.54 ng
RT: 8.25 min Scan# 535
Delta R.T. 0.06 min
Lab File: BF082056.D
Acq: 5 Oct 2015 20:58

Tgt Ion:128 Resp: 2357232

Ion	Ratio	Lower	Upper
128	100		
129	14.4	8.4	12.6#
127	15.4	9.9	14.9#

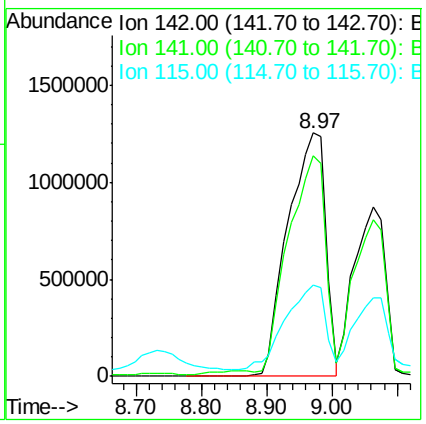




#37
2-Methylnaphthalene
Concen: 1971.93 ng
RT: 8.97 min Scan# 598
Delta R.T. 0.08 min
Lab File: BF082056.D
Acq: 5 Oct 2015 20:58

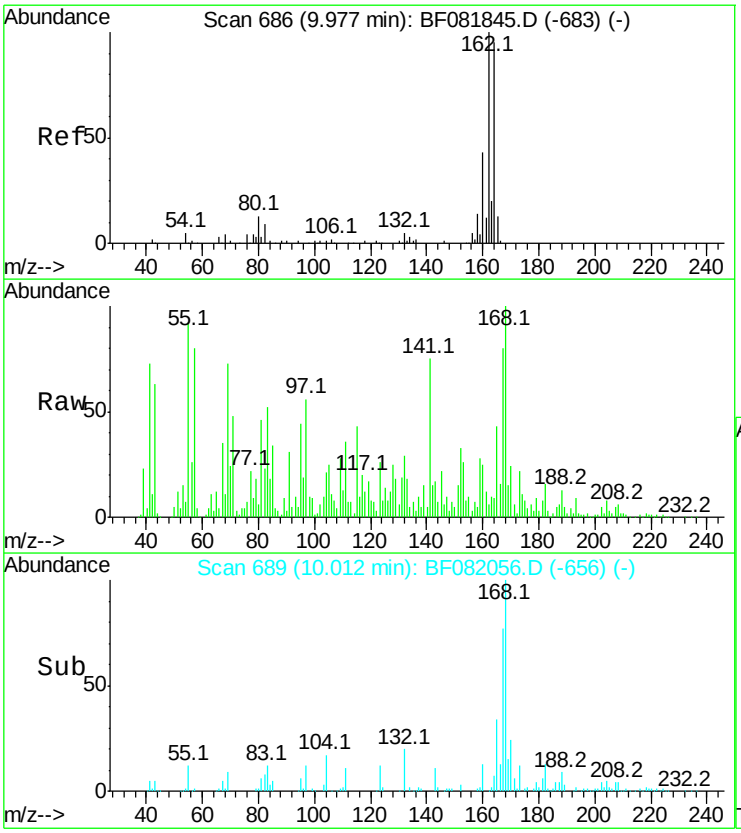
Tgt Ion:142 Resp: 4992469

Ion	Ratio	Lower	Upper
142	100		
141	90.4	67.5	101.3
115	37.6	18.2	27.2#



Instrument :
BNA_F
ClientSampleId :
016-TB-13(4-8)

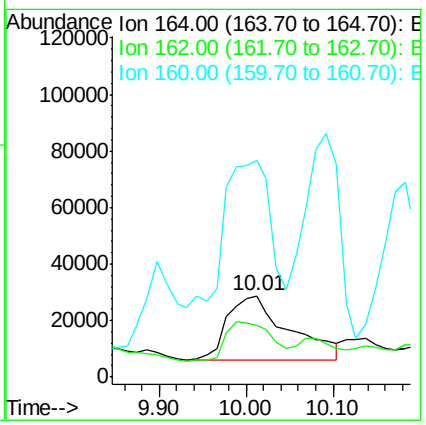
Manual Integrations APPROVED
MMDadoda
10/6/2015 2:54:25 PM

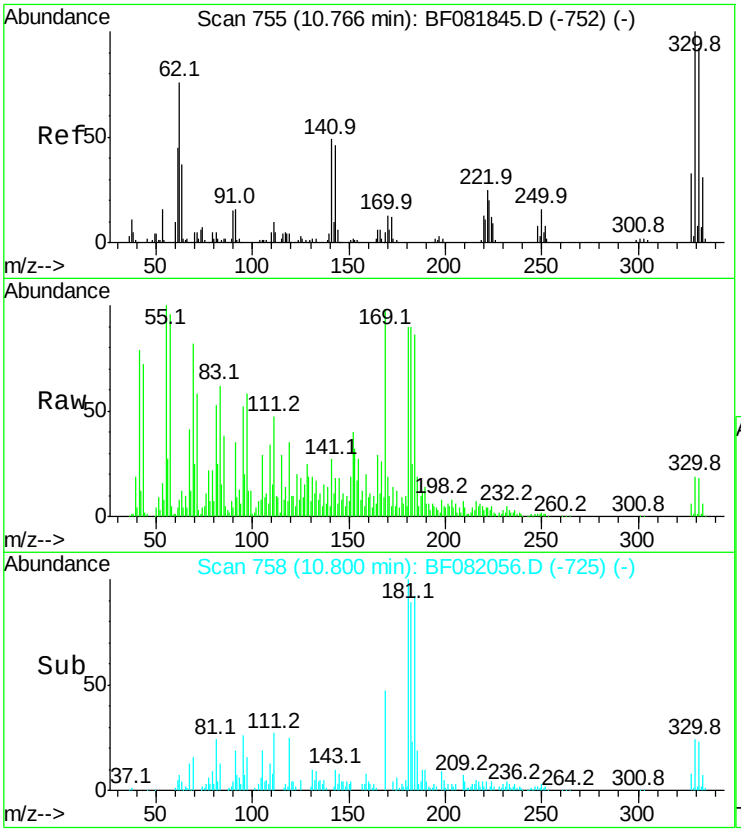


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.01 min Scan# 689
Delta R.T. 0.08 min
Lab File: BF082056.D
Acq: 5 Oct 2015 20:58

Tgt Ion:164 Resp: 111521

Ion	Ratio	Lower	Upper
164	100		
162	64.2	75.2	112.8#
160	266.1	31.5	47.3#





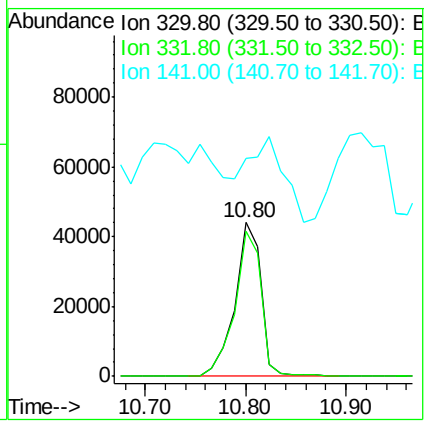
#41
2,4,6-Tribromophenol
Concen: 70.90 ng
RT: 10.80 min Scan# 758
Delta R.T. 0.08 min
Lab File: BF082056.D
Acq: 5 Oct 2015 20:58

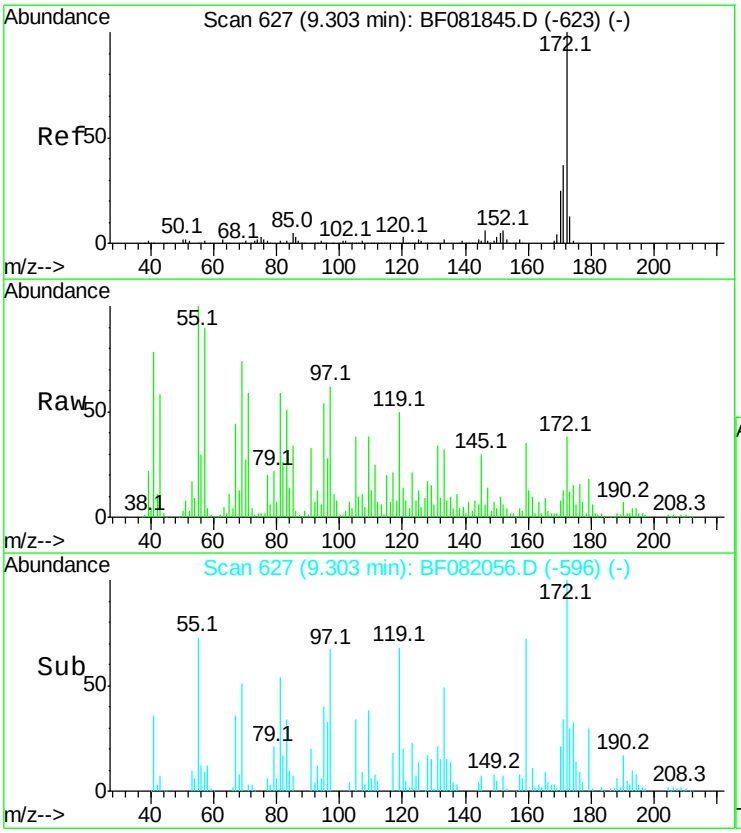
Tgt Ion:330 Resp: 80075

Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.6	114.8
141	0.0	29.7	44.5#

Instrument :
BNA_F
ClientSampleId :
016-TB-13(4-8)

Manual Integrations APPROVED
MMDadoda
10/6/2015 2:54:25 PM

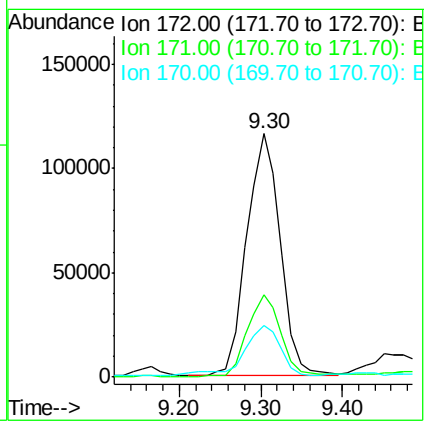


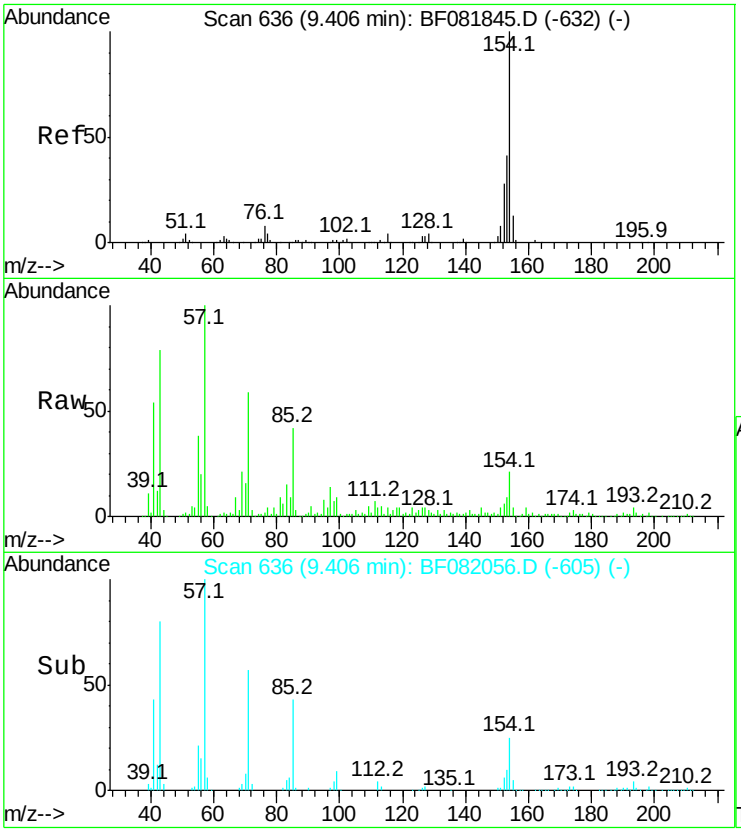


#44
2-Fluorobiphenyl
Concen: 45.58 ng
RT: 9.30 min Scan# 627
Delta R.T. 0.06 min
Lab File: BF082056.D
Acq: 5 Oct 2015 20:58

Tgt Ion:172 Resp: 332943

Ion	Ratio	Lower	Upper
172	100		
171	33.7	26.1	39.1
170	21.1	17.4	26.2

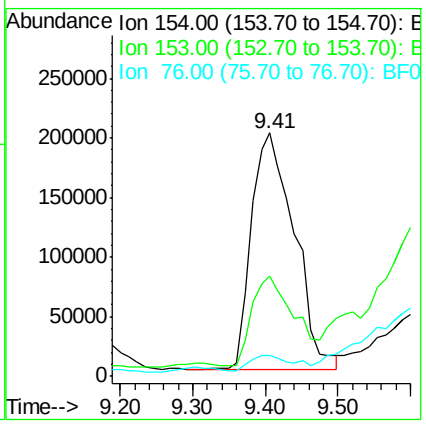




#45
1,1'-Biphenyl
Concen: 95.08 ng
RT: 9.41 min Scan# 636
Delta R.T. 0.06 min
Lab File: BF082056.D
Acq: 5 Oct 2015 20:58

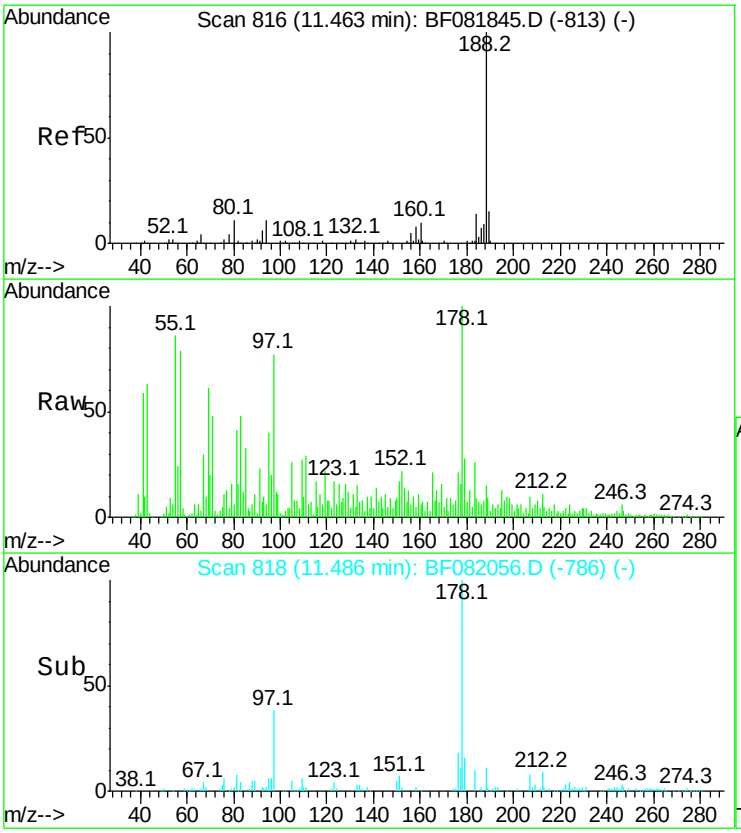
Tgt Ion:154 Resp: 818067

Ion	Ratio	Lower	Upper
154	100		
153	41.1	17.1	57.1
76	8.6	0.0	31.6



Instrument :
BNA_F
ClientSampleId :
016-TB-13(4-8)

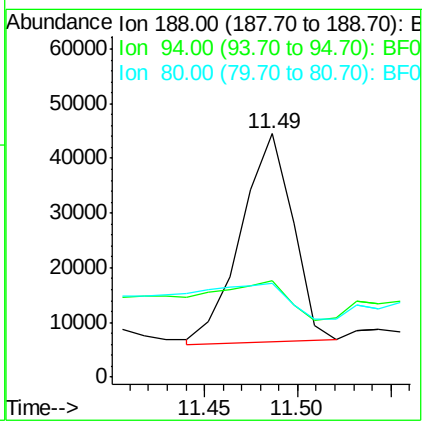
Manual Integrations APPROVED
MMDadoda
10/6/2015 2:54:25 PM

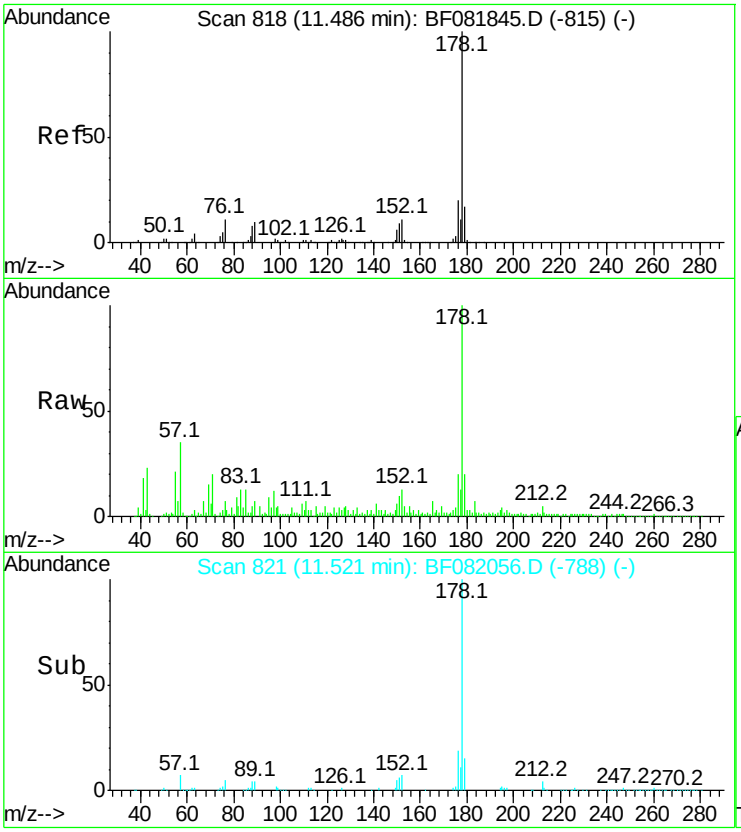


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.49 min Scan# 818
Delta R.T. 0.07 min
Lab File: BF082056.D
Acq: 5 Oct 2015 20:58

Tgt Ion:188 Resp: 73177

Ion	Ratio	Lower	Upper
188	100		
94	39.7	11.1	16.7#
80	38.4	11.0	16.4#

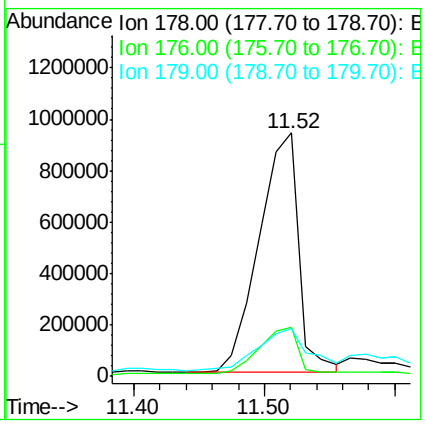




#70
Phenanthrene
Concen: 586.51 ng
RT: 11.52 min Scan# 821
Delta R.T. 0.08 min
Lab File: BF082056.D
Acq: 5 Oct 2015 20:58

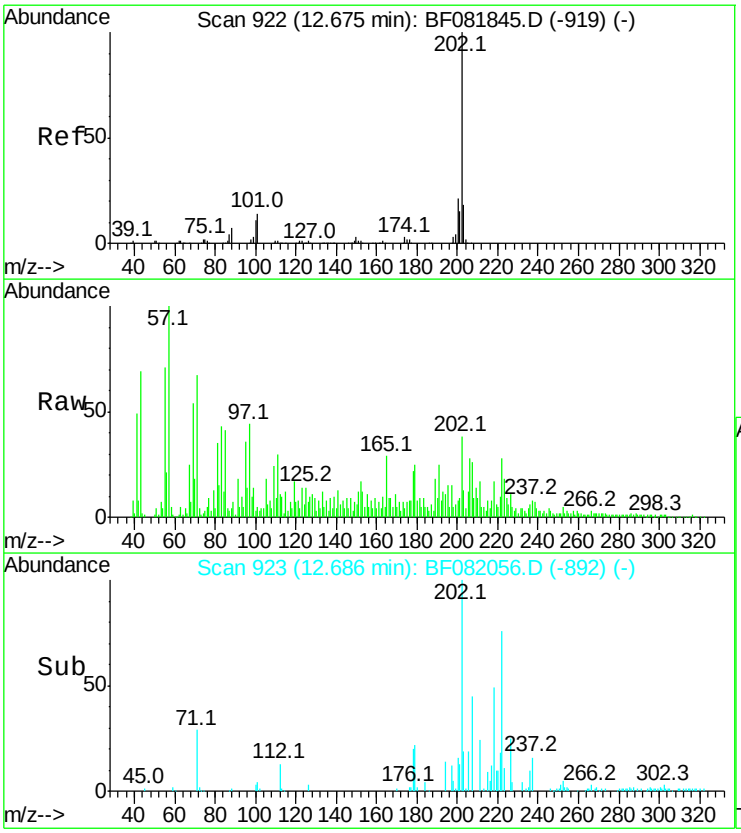
Tgt Ion:178 Resp: 1994829

Ion	Ratio	Lower	Upper
178	100		
176	20.4	13.8	20.8
179	19.8	12.2	18.2#



Instrument :
BNA_F
ClientSampleId :
016-TB-13(4-8)

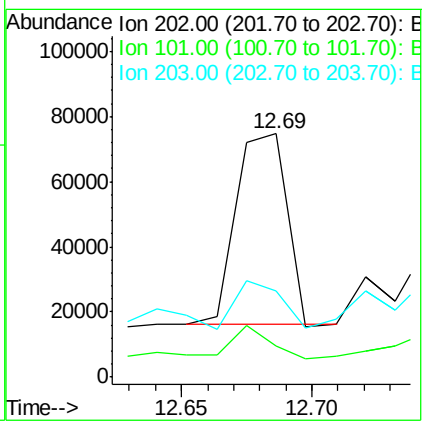
Manual Integrations APPROVED
MMDadoda
10/6/2015 2:54:25 PM

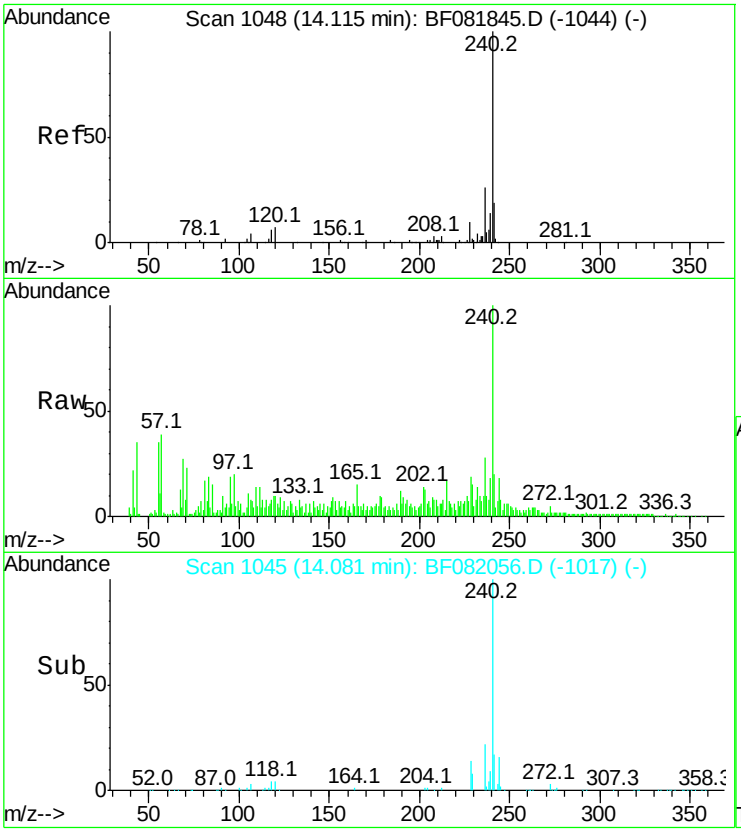


#74
Fluoranthene
Concen: 20.30 ng
RT: 12.69 min Scan# 923
Delta R.T. 0.06 min
Lab File: BF082056.D
Acq: 5 Oct 2015 20:58

Tgt Ion:202 Resp: 79569

Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	38.3
203	35.3	0.0	37.3





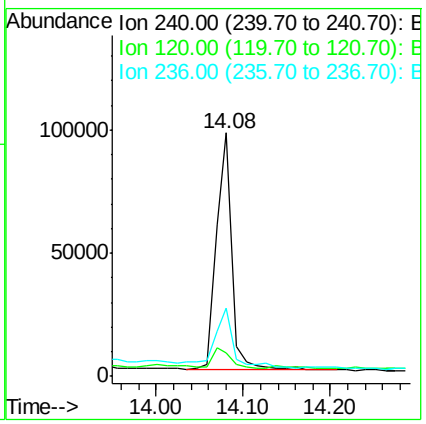
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.08 min Scan# 1045
Delta R.T. 0.02 min
Lab File: BF082056.D
Acq: 5 Oct 2015 20:58

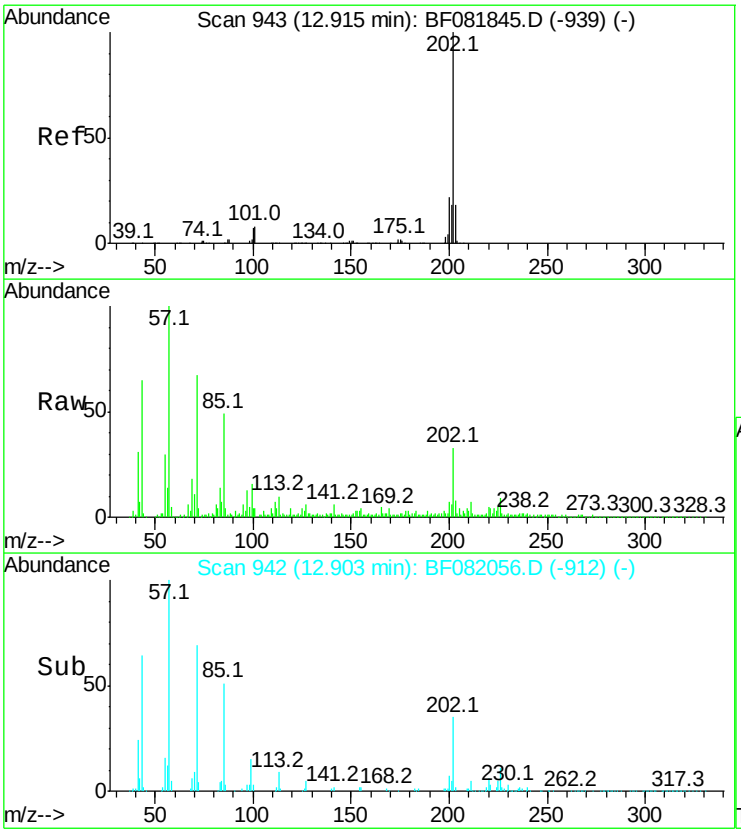
Tgt Ion:240 Resp: 121385

Ion	Ratio	Lower	Upper
240	100		
120	9.7	16.2	24.2#
236	28.3	18.4	27.6#

Instrument :
BNA_F
ClientSampleId :
016-TB-13(4-8)

Manual Integrations APPROVED
MMDadoda
10/6/2015 2:54:25 PM

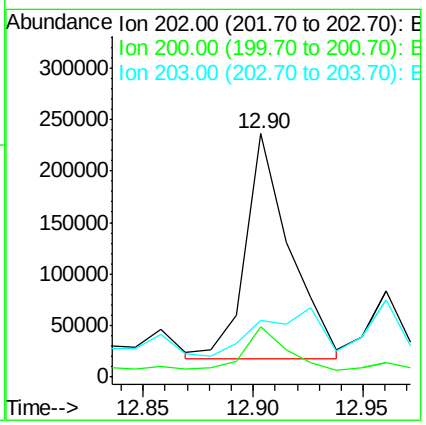


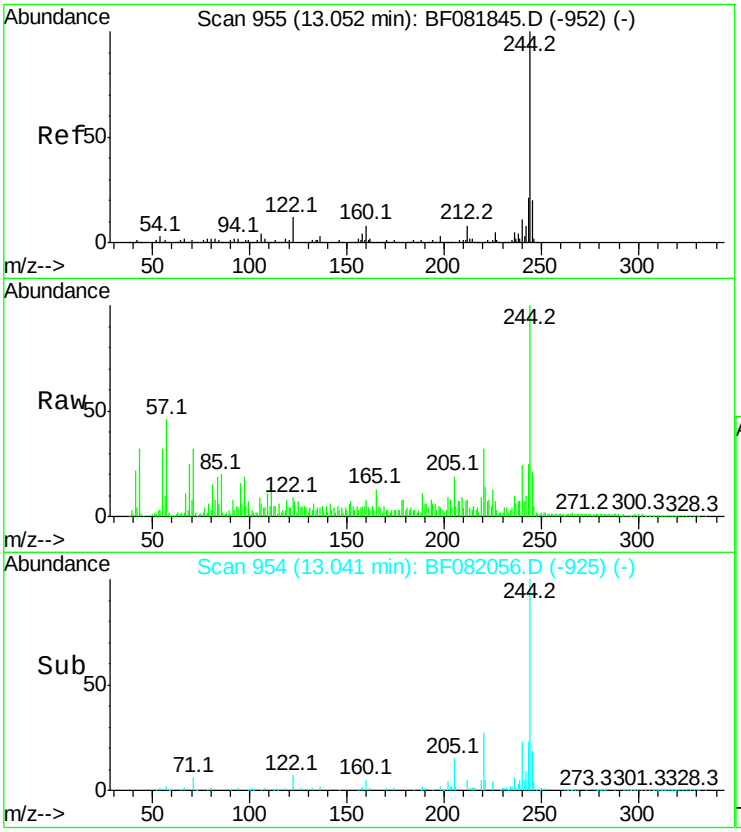


#77
Pyrene
Concen: 42.68 ng m
RT: 12.90 min Scan# 942
Delta R.T. 0.05 min
Lab File: BF082056.D
Acq: 5 Oct 2015 20:58

Tgt Ion:202 Resp: 309481

Ion	Ratio	Lower	Upper
202	100		
200	20.7	15.0	22.4
203	23.4	14.1	21.1#

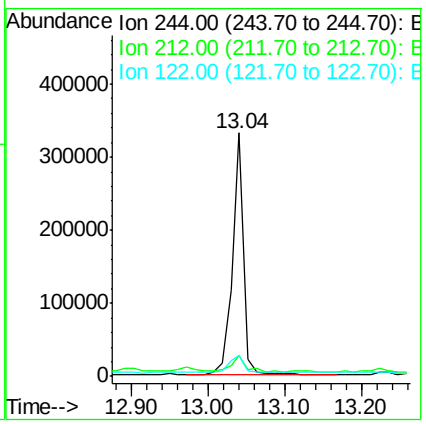




#78
Terphenyl-d14
Concen: 93.02 ng
RT: 13.04 min Scan# 954
Delta R.T. 0.03 min
Lab File: BF082056.D
Acq: 5 Oct 2015 20:58

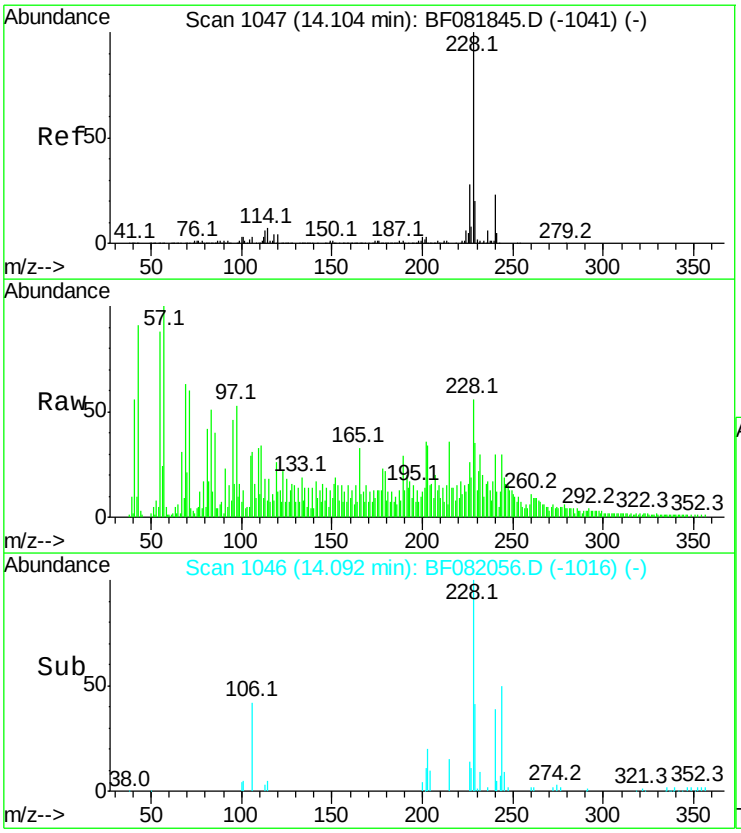
Tgt Ion:244 Resp: 340551

Ion	Ratio	Lower	Upper
244	100		
212	8.3	4.3	6.5#
122	8.7	17.4	26.2#



Instrument :
BNA_F
ClientSampleId :
016-TB-13(4-8)

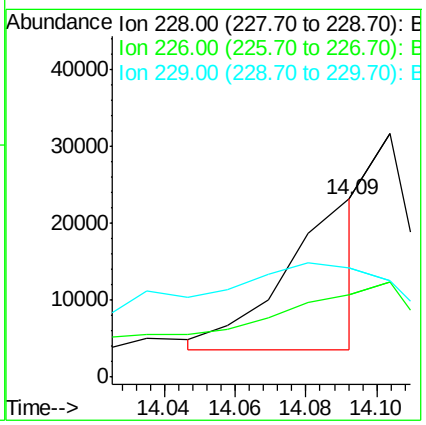
Manual Integrations APPROVED
MMDadoda
10/6/2015 2:54:25 PM

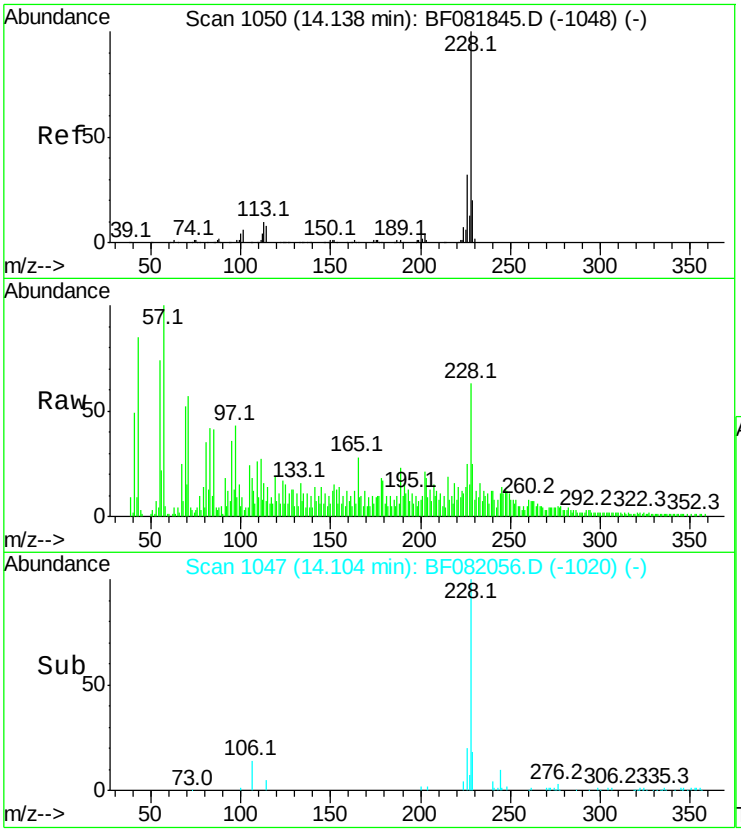


#80
Benzo(a)anthracene
Concen: 4.67 ng m
RT: 14.09 min Scan# 1046
Delta R.T. 0.05 min
Lab File: BF082056.D
Acq: 5 Oct 2015 20:58

Tgt Ion:228 Resp: 30537

Ion	Ratio	Lower	Upper
228	100		
226	46.4	20.0	30.0#
229	61.5	15.4	23.2#





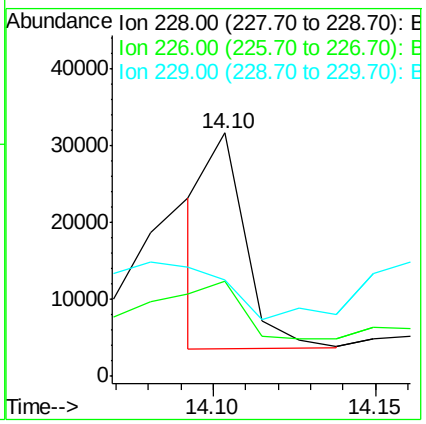
#82
Chrysene
Concen: 3.51 ng m
RT: 14.10 min Scan# 1047
Delta R.T. 0.01 min
Lab File: BF082056.D
Acq: 5 Oct 2015 20:58

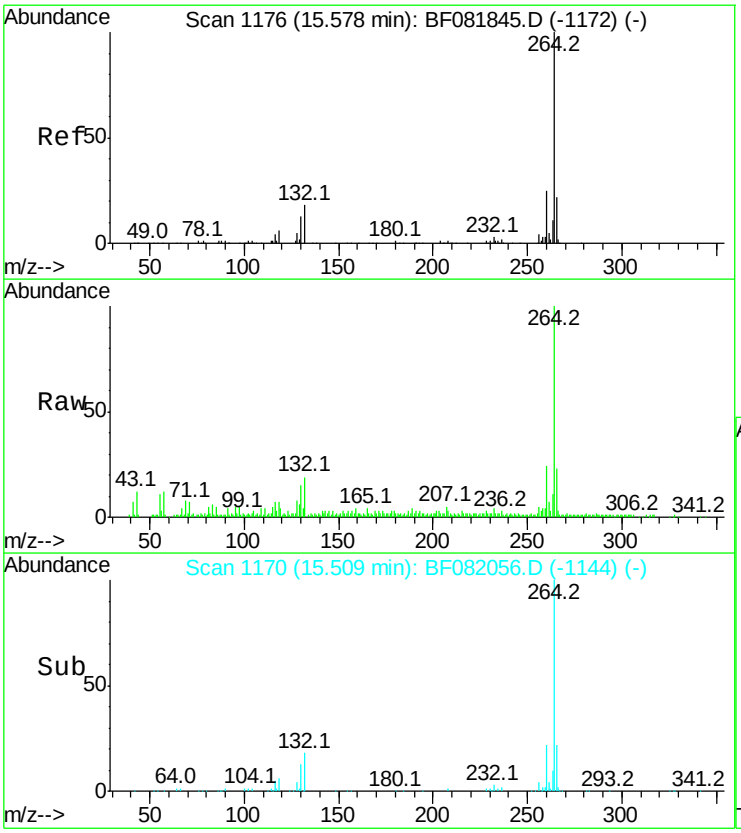
Tgt Ion:228 Resp: 22622

Ion	Ratio	Lower	Upper
228	100		
226	38.9	21.0	31.4#
229	39.4	15.6	23.4#

Instrument :
BNA_F
ClientSampleId :
016-TB-13(4-8)

Manual Integrations APPROVED
MMDadoda
10/6/2015 2:54:25 PM





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BF082056.D
Acq: 5 Oct 2015 20:58

Tgt Ion:264 Resp: 107997

Ion	Ratio	Lower	Upper
264	100		
260	23.8	16.7	25.1
265	22.8	17.2	25.8