Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
Data File : BM001060.D
Acq On : 18 Apr 2015 15:11
Operator : TP/IZ
Sample : G1856-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
EB-S39-2015-1

Manual Integrations APPROVED
apatel
4/20/2015 4:34:55 PM

Quant Time: Apr 20 16:23:59 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM041815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 20 08:05:22 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	21749	5.00	ng		0.00
4) Naphthalene-d8	10.36	136	79273	5.00	ng		0.00
8) Acenaphthene-d10	14.24	164	43312	5.00	ng		0.00
13) Phenanthrene-d10	16.99	188	95705	5.00	ng		0.00
19) Chrysene-d12	21.19	240	83965	5.00	ng		0.00
25) Perylene-d12	23.36	264	76057	5.00	ng		0.00
System Monitoring Compounds							
5) Nitrobenzene-d5	8.74	82	23829	5.76	ng		0.00
9) 2-Fluorobiphenyl	12.86	172	78143	5.47	ng		0.00
21) Terphenyl-d14	19.63	244	75998	6.83	ng		0.00
Target Compounds							Qvalue
7) 2-Methylnaphthalene	12.05	142	200	0.02	ng	#	81
14) Hexachlorobenzene	16.31	284	117	0.02	ng	#	100
16) Phenanthrene	17.03	178	439m	0.02	ng		
18) Fluoranthene	19.05	202	662	0.02	ng		99
20) Pyrene	19.42	202	658	0.02	ng		97
22) Benzo(a)anthracene	21.17	228	949	0.04	ng	#	87
23) Chrysene	21.22	228	750	0.03	ng	#	88
24) Indeno(1,2,3-cd)pyrene	25.53	276	831	0.03	ng		98
30) Benzo(g,h,i)perylene	26.18	276	755	0.03	ng	#	74

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

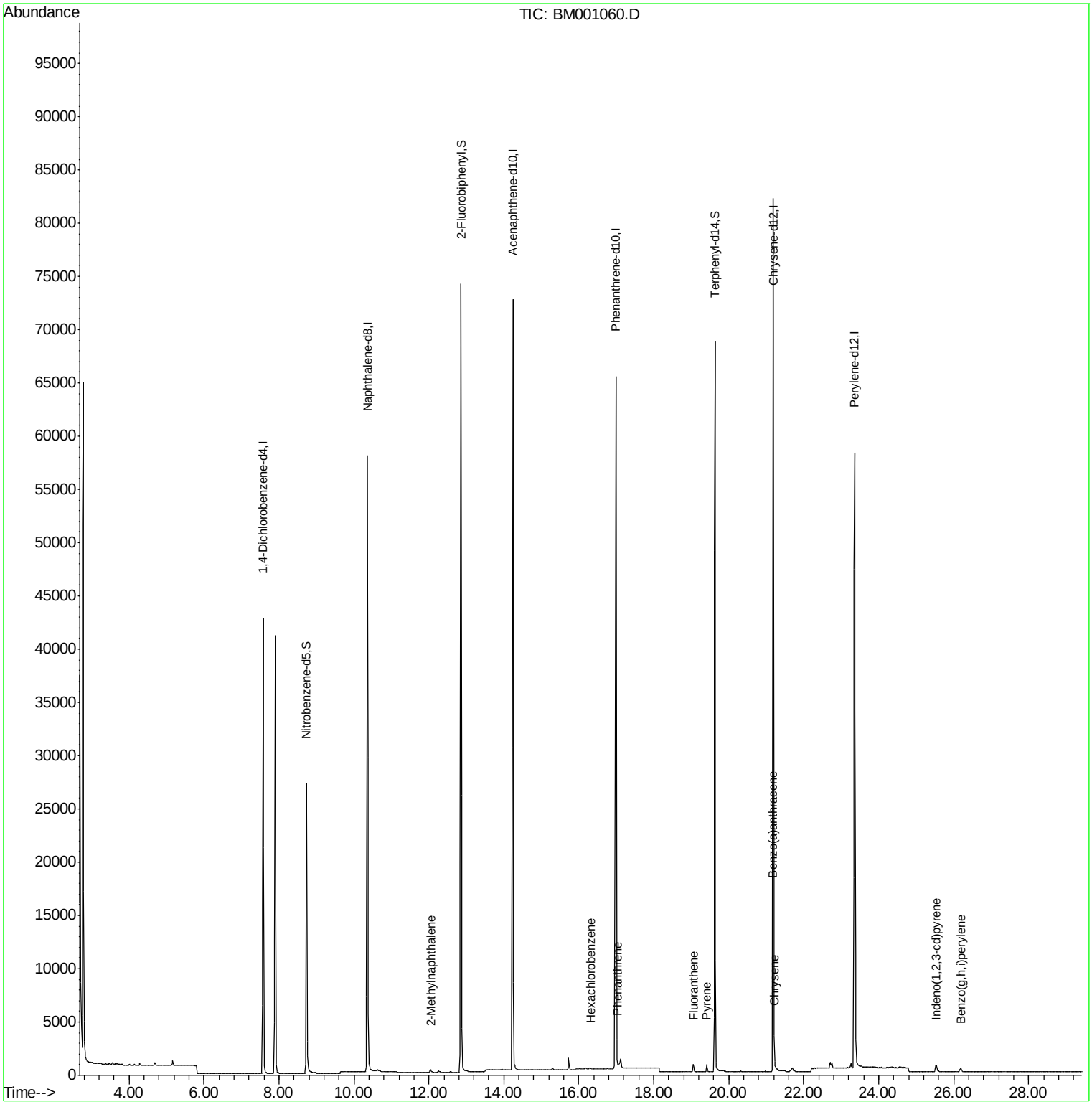
Quantitation Report (QT Reviewed)

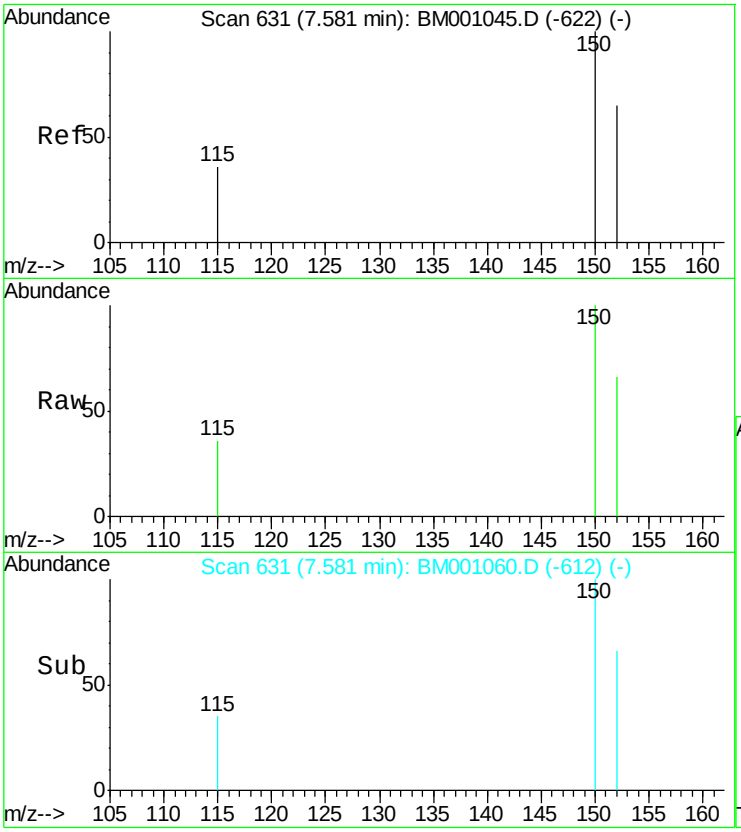
Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
Data File : BM001060.D
Acq On : 18 Apr 2015 15:11
Operator : TP/IZ
Sample : G1856-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Apr 20 16:23:59 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM041815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 20 08:05:22 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
EB-S39-2015-1

Manual Integrations APPROVED
apatel
4/20/2015 4:34:55 PM

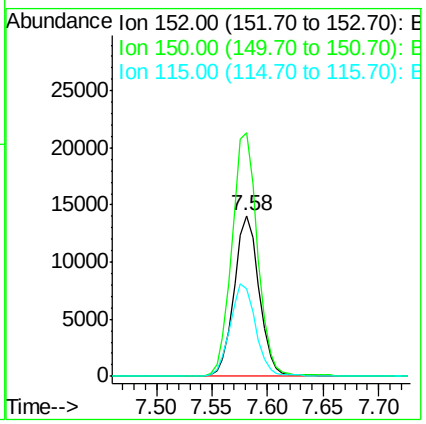




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 631
Delta R.T. 0.00 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

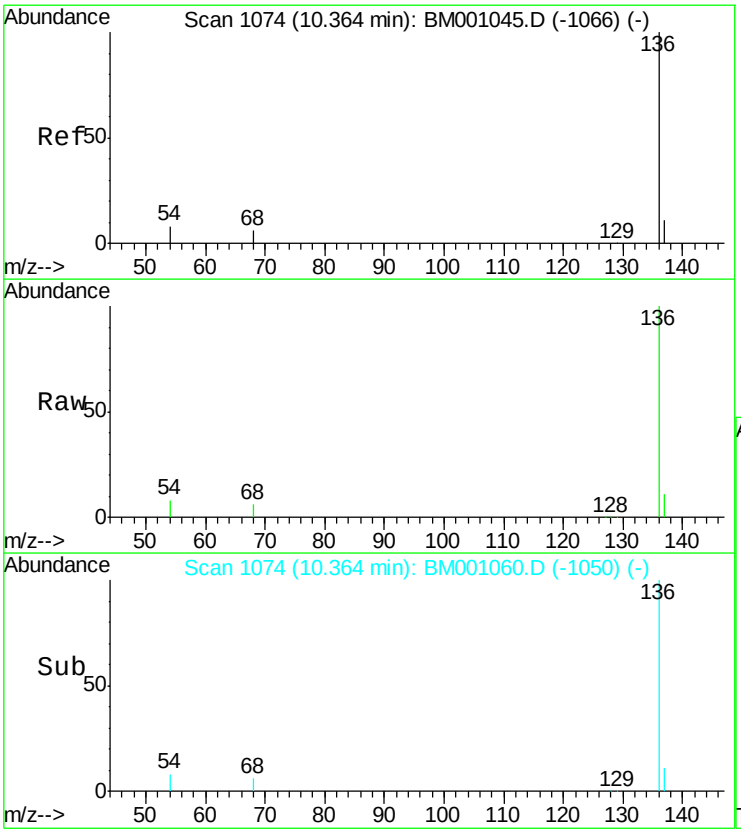
Tgt Ion:152 Resp: 21749

Ion	Ratio	Lower	Upper
152	100		
150	151.7	123.3	184.9
115	54.1	45.0	67.6



Instrument :
BNA_M
ClientSampleId :
EB-S39-2015-1

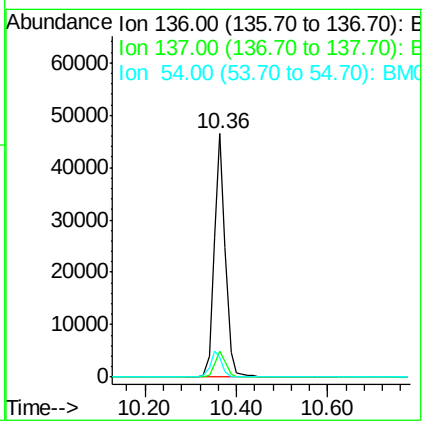
Manual Integrations APPROVED
apatel
4/20/2015 4:34:55 PM

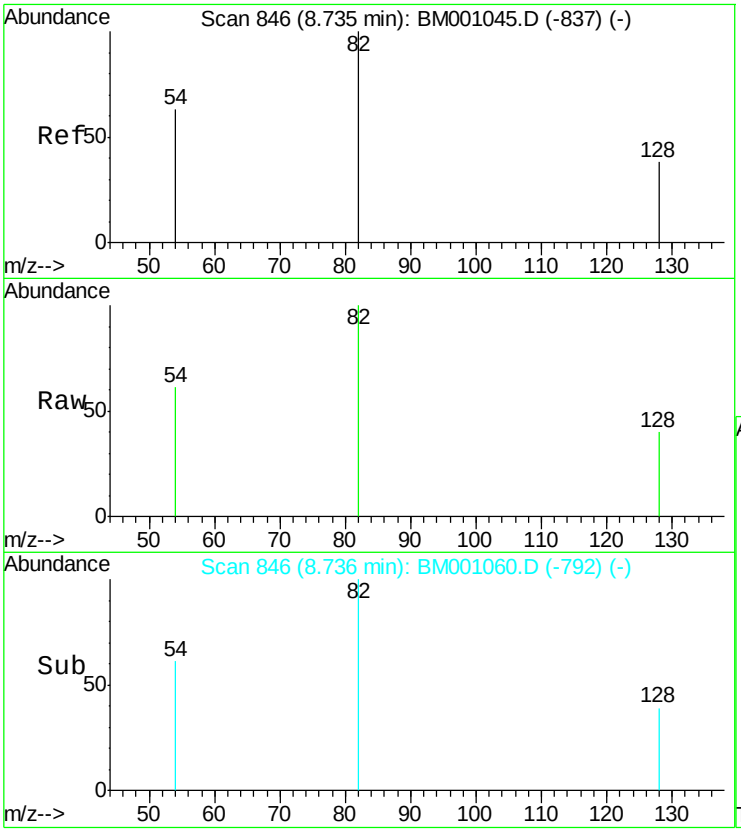


#4
Naphthalene-d8
Concen: 5.00 ng
RT: 10.36 min Scan# 1074
Delta R.T. 0.00 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

Tgt Ion:136 Resp: 79273

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.3	6.5	9.7

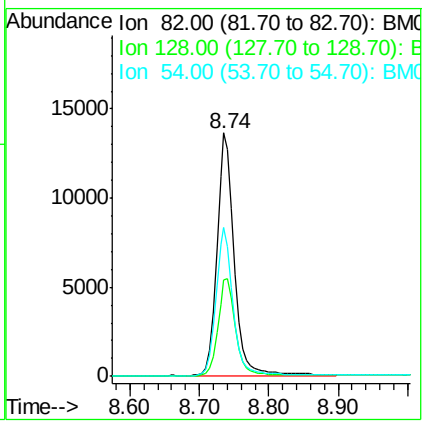




#5
Nitrobenzene-d5
Concen: 5.76 ng
RT: 8.74 min Scan# 846
Delta R.T. 0.00 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

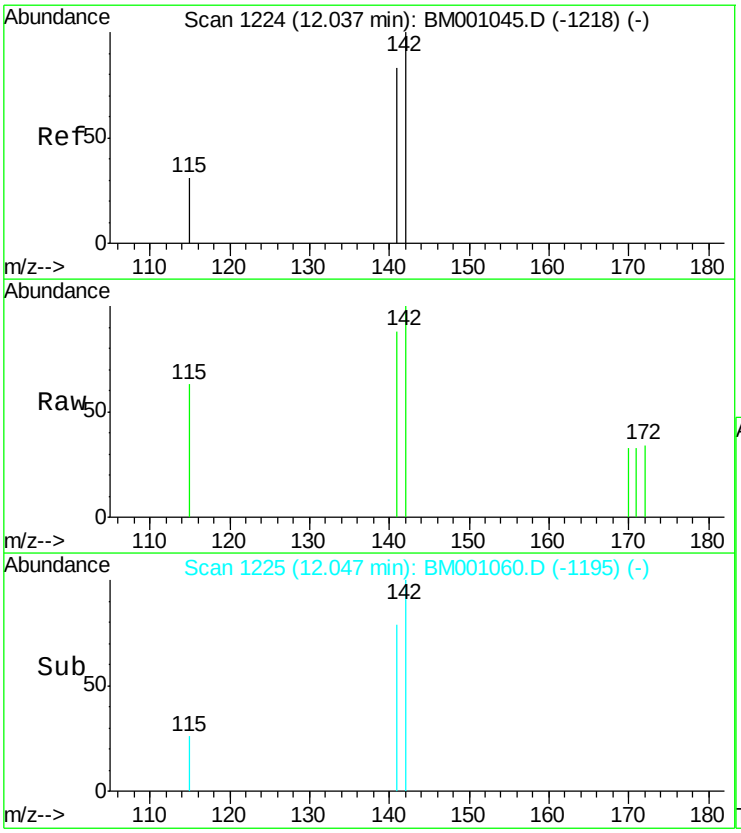
Tgt Ion: 82 Resp: 23829

Ion	Ratio	Lower	Upper
82	100		
128	39.5	31.9	47.9
54	61.0	51.3	76.9



Instrument :
BNA_M
ClientSampleId :
EB-S39-2015-1

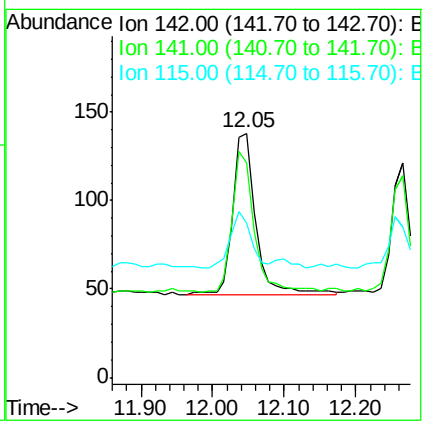
Manual Integrations APPROVED
apatel
4/20/2015 4:34:55 PM

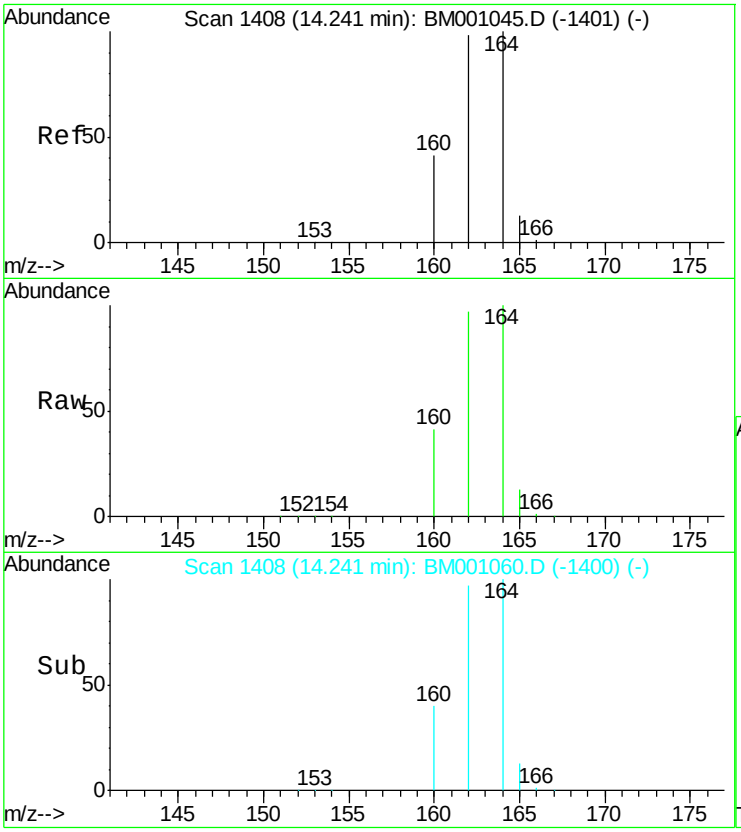


#7
2-Methylnaphthalene
Concen: 0.02 ng
RT: 12.05 min Scan# 1225
Delta R.T. 0.01 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

Tgt Ion:142 Resp: 200

Ion	Ratio	Lower	Upper
142	100		
141	87.7	66.7	100.1
115	63.0	25.5	38.3#

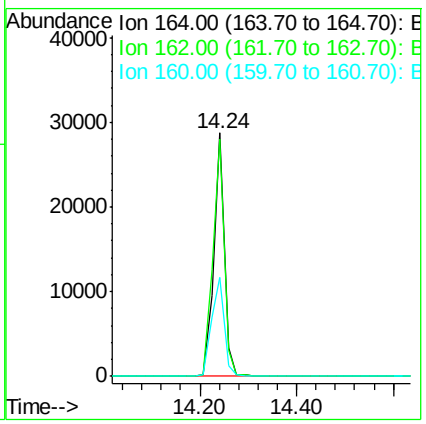




#8
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.24 min Scan# 1408
Delta R.T. 0.00 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

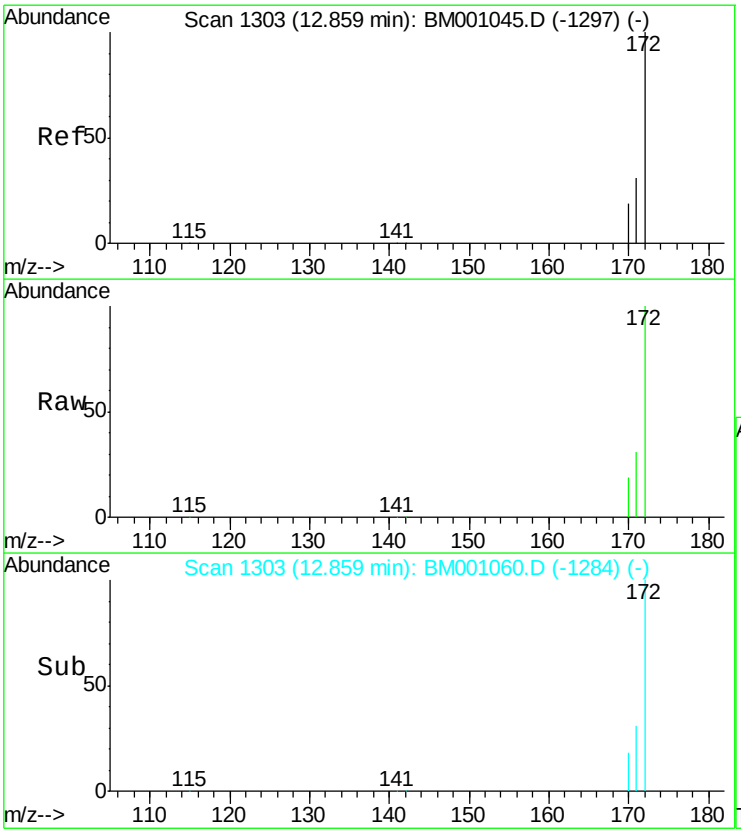
Tgt Ion:164 Resp: 43312

Ion	Ratio	Lower	Upper
164	100		
162	97.3	78.5	117.7
160	40.5	32.9	49.3



Instrument :
BNA_M
ClientSampleId :
EB-S39-2015-1

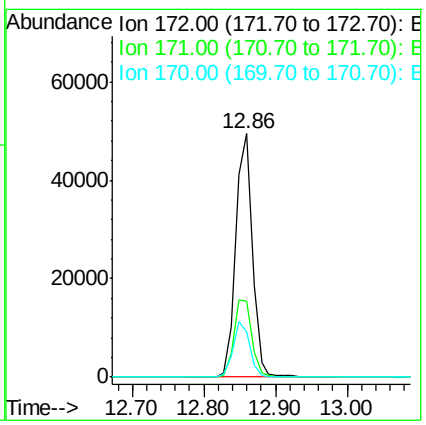
Manual Integrations APPROVED
apatel
4/20/2015 4:34:55 PM

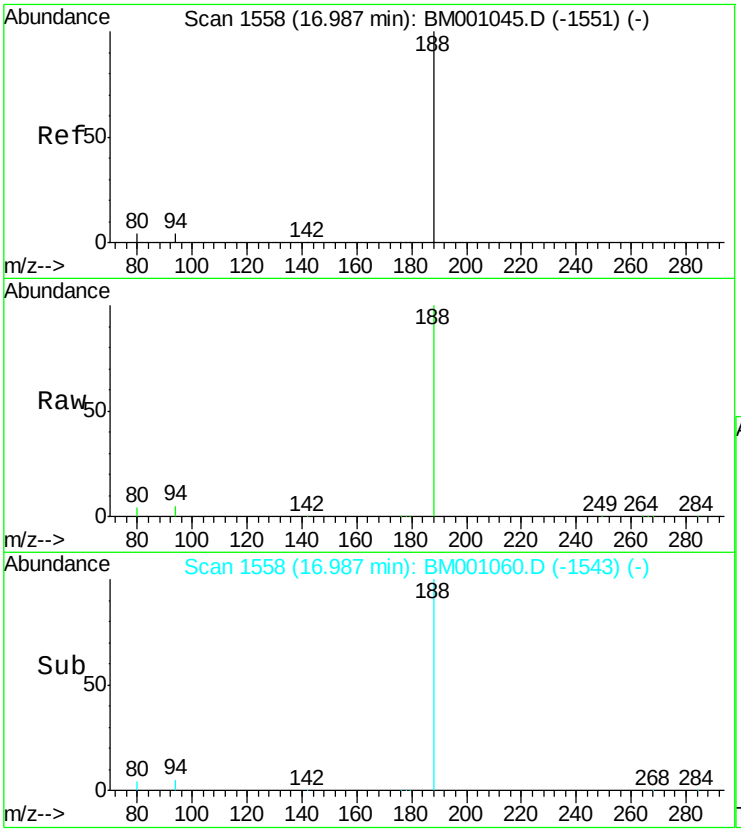


#9
2-Fluorobiphenyl
Concen: 5.47 ng
RT: 12.86 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

Tgt Ion:172 Resp: 78143

Ion	Ratio	Lower	Upper
172	100		
171	31.1	25.6	38.4
170	18.5	15.8	23.6





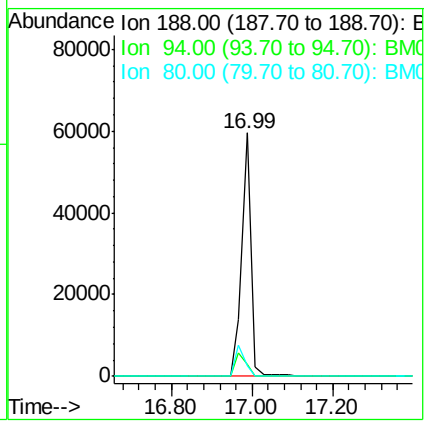
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

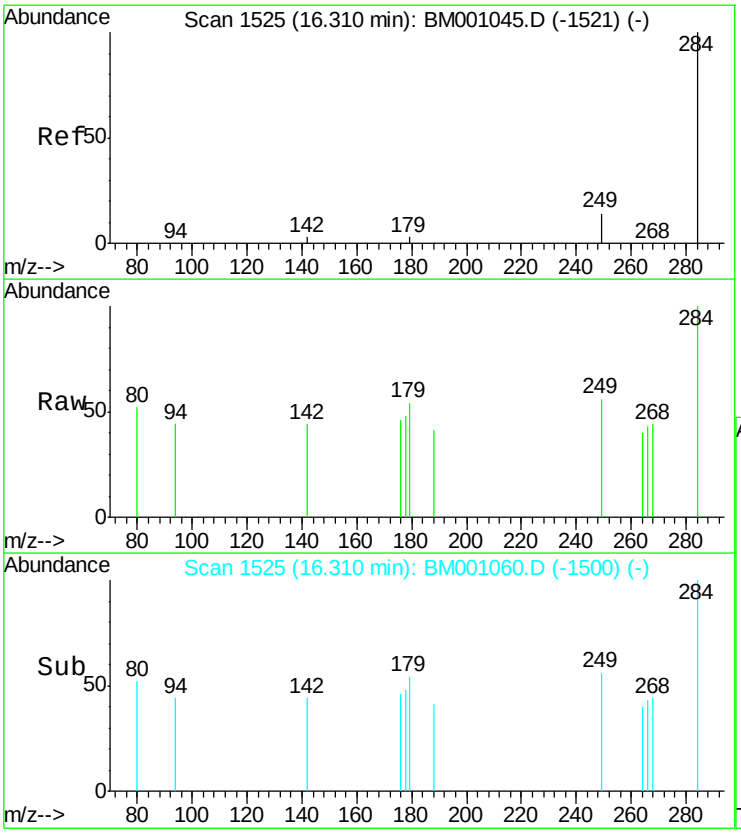
Tgt Ion:188 Resp: 95705

Ion	Ratio	Lower	Upper
188	100		
94	4.9	3.6	5.4
80	4.3	3.0	4.6

Instrument :
BNA_M
ClientSampleId :
EB-S39-2015-1

Manual Integrations APPROVED
apatel
4/20/2015 4:34:55 PM

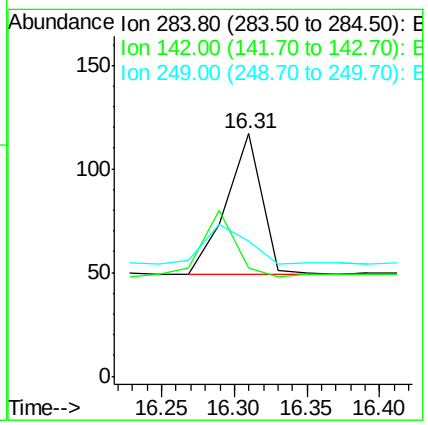


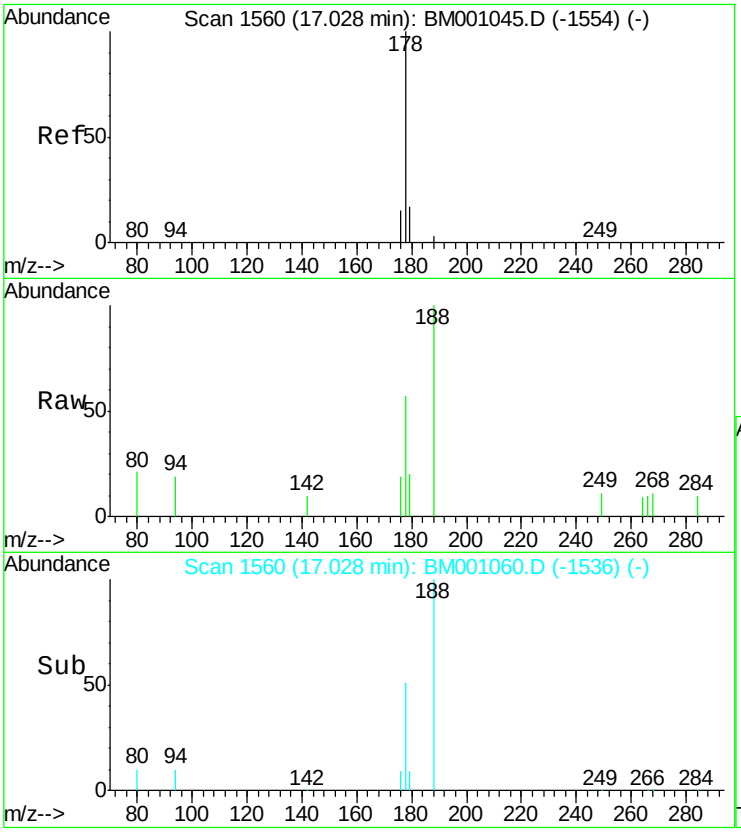


#14
Hexachlorobenzene
Concen: 0.02 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

Tgt Ion:284 Resp: 117

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	0.0	0.0	0.0

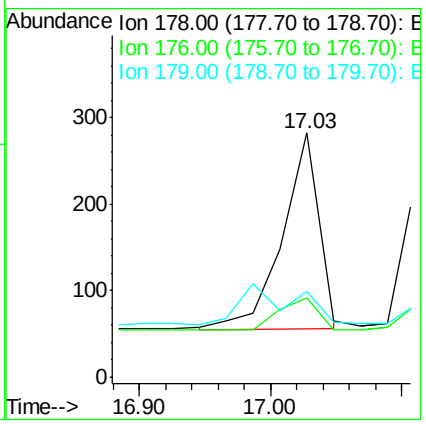




#16
Phenanthrene
Concen: 0.02 ng m
RT: 17.03 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

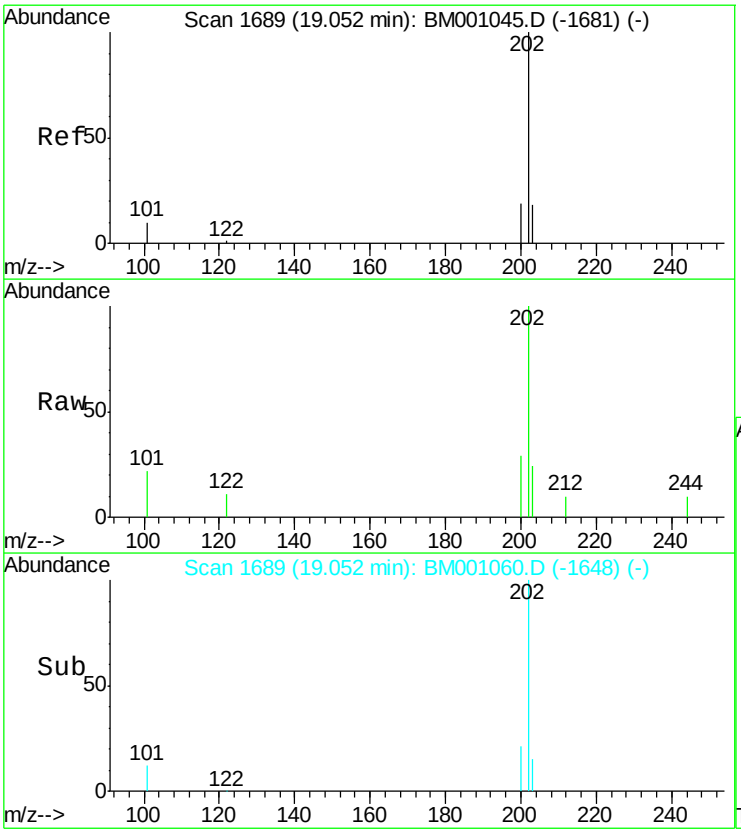
Tgt Ion:178 Resp: 439

Ion	Ratio	Lower	Upper
178	100		
176	13.4	14.6	22.0#
179	12.1	12.6	19.0#



Instrument :
BNA_M
ClientSampleId :
EB-S39-2015-1

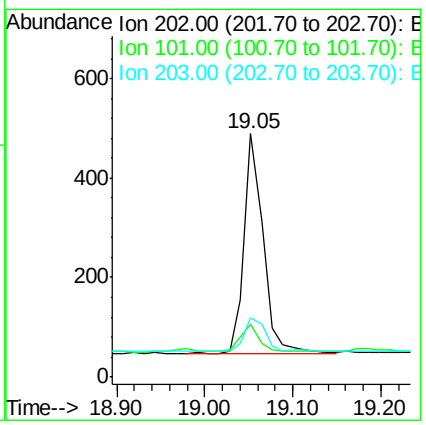
Manual Integrations APPROVED
apatel
4/20/2015 4:34:55 PM

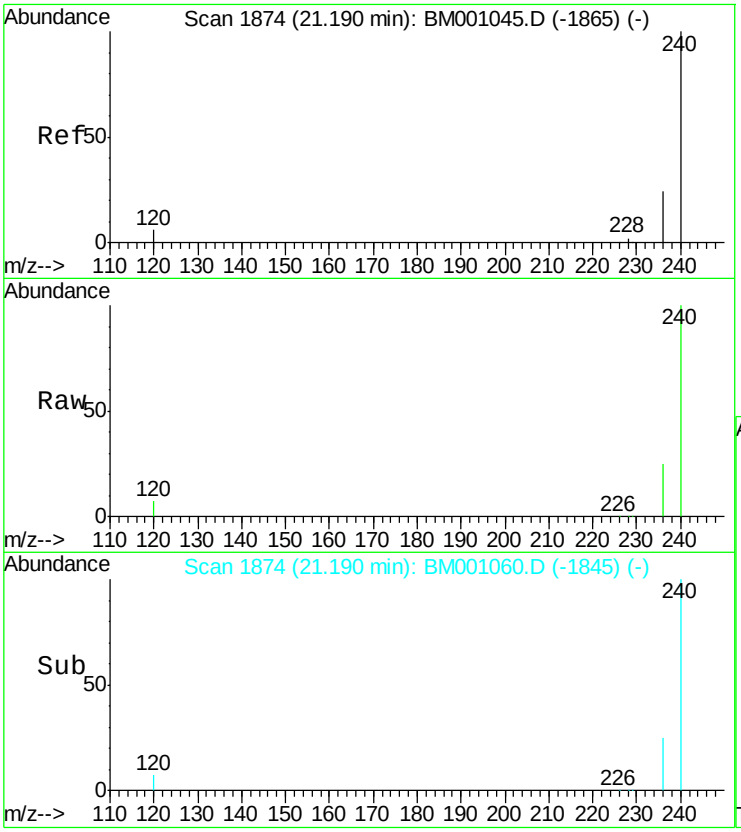


#18
Fluoranthene
Concen: 0.02 ng
RT: 19.05 min Scan# 1689
Delta R.T. 0.00 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

Tgt Ion:202 Resp: 662

Ion	Ratio	Lower	Upper
202	100		
101	13.0	10.1	15.1
203	17.8	13.8	20.8





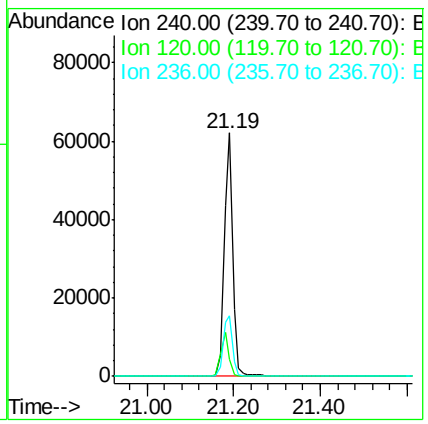
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.19 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

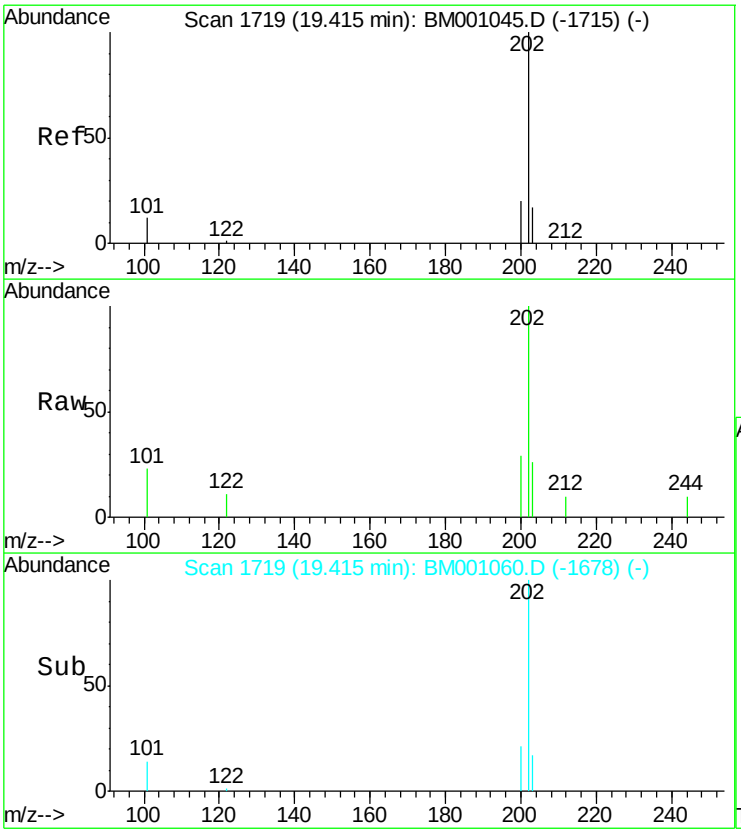
Instrument :
BNA_M
ClientSampleId :
EB-S39-2015-1

Manual Integrations APPROVED
apatel
4/20/2015 4:34:55 PM

Tgt Ion:240 Resp: 83965

Ion	Ratio	Lower	Upper
240	100		
120	6.8	4.6	6.8#
236	25.0	19.1	28.7

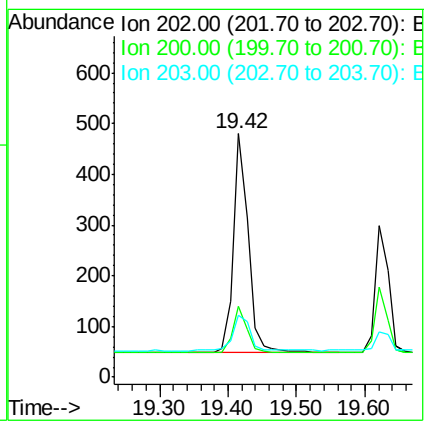


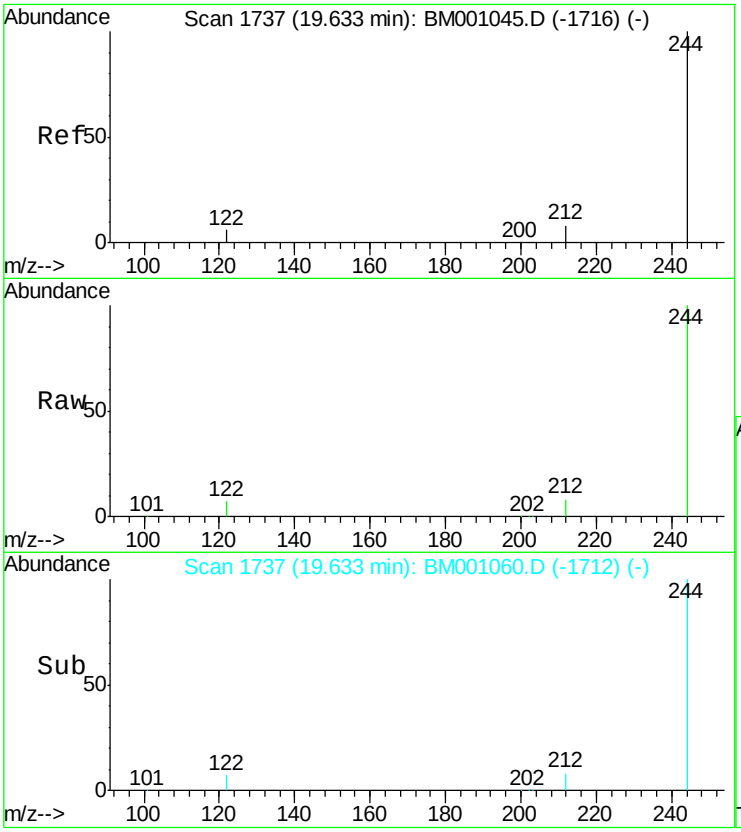


#20
Pyrene
Concen: 0.02 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

Tgt Ion:202 Resp: 658

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.3	24.5
203	19.8	13.8	20.6

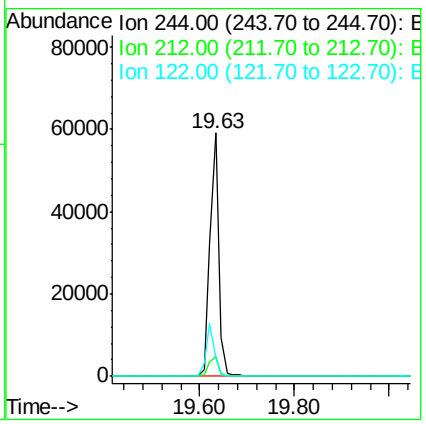




#21
Terphenyl-d14
Concen: 6.83 ng
RT: 19.63 min Scan# 1737
Delta R.T. 0.00 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

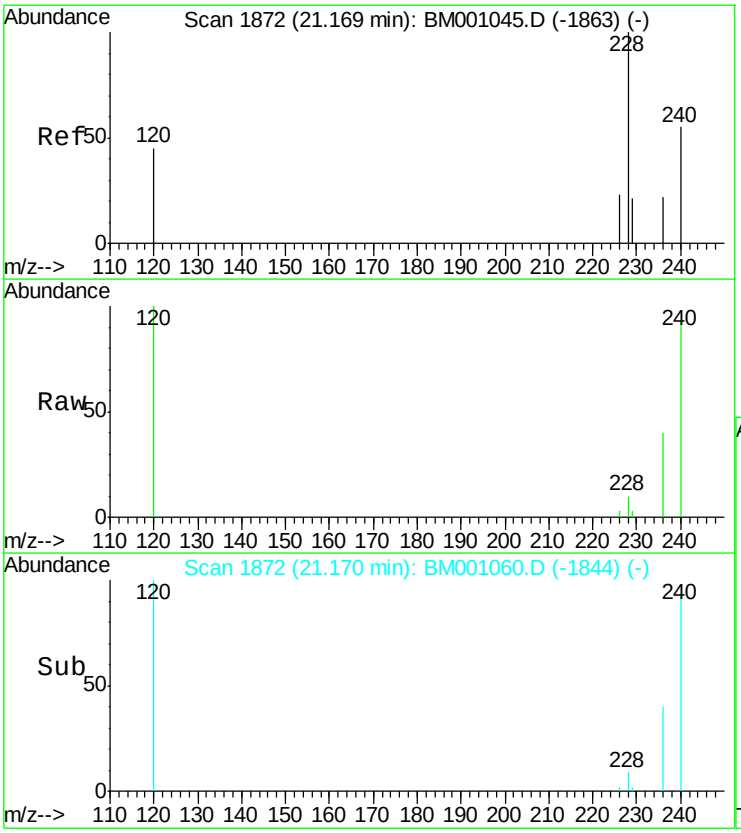
Tgt Ion:244 Resp: 75998

Ion	Ratio	Lower	Upper
244	100		
212	8.2	7.1	10.7
122	7.3	5.9	8.9



Instrument :
BNA_M
ClientSampleId :
EB-S39-2015-1

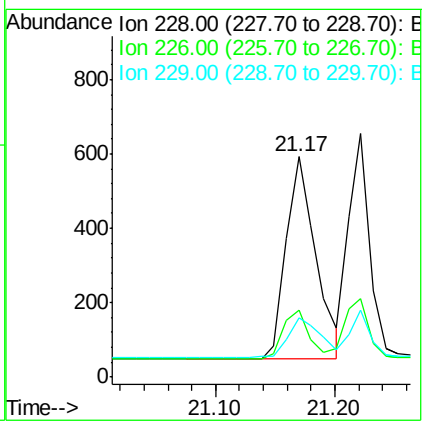
Manual Integrations APPROVED
apatel
4/20/2015 4:34:55 PM

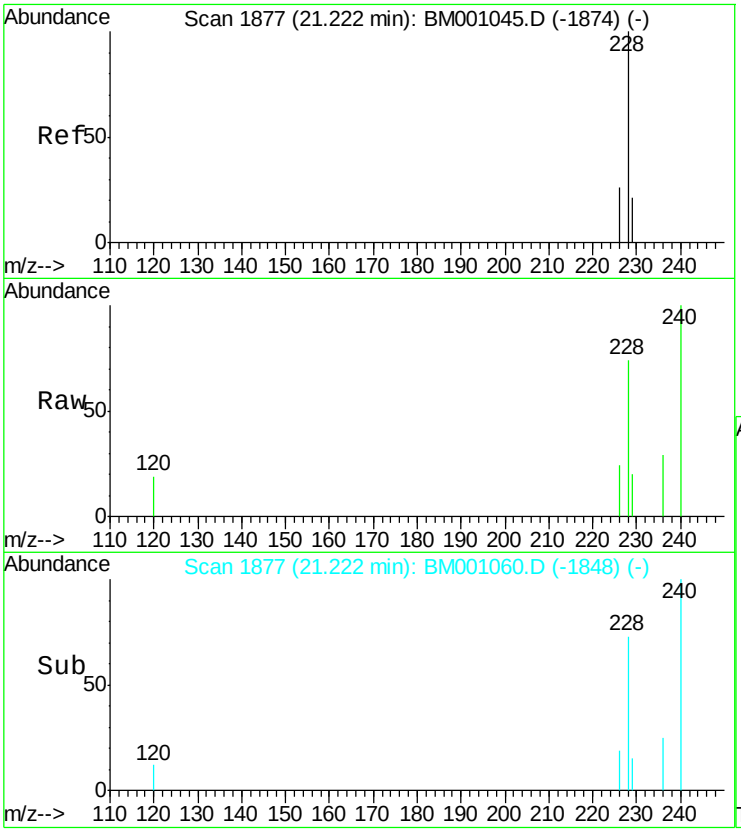


#22
Benzo(a)anthracene
Concen: 0.04 ng
RT: 21.17 min Scan# 1872
Delta R.T. 0.00 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

Tgt Ion:228 Resp: 949

Ion	Ratio	Lower	Upper
228	100		
226	30.2	19.0	28.6#
229	27.0	16.8	25.2#





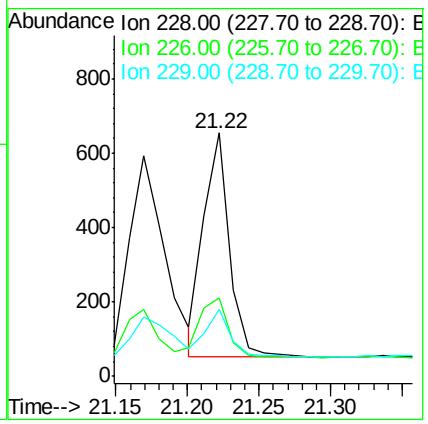
#23
Chrysene
Concen: 0.03 ng
RT: 21.22 min Scan# 1877
Delta R.T. 0.00 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

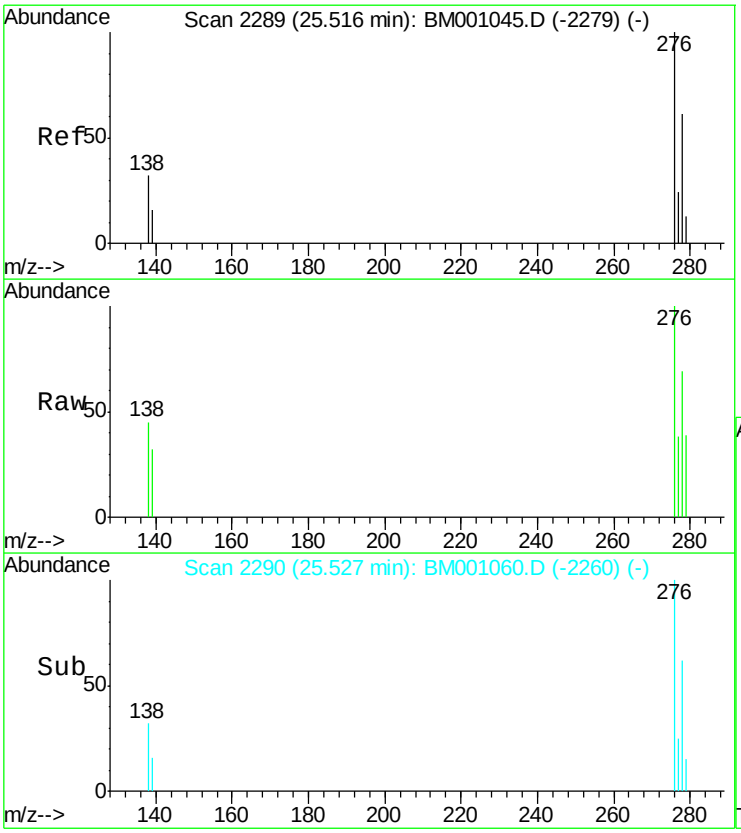
Tgt Ion:228 Resp: 750

Ion	Ratio	Lower	Upper
228	100		
226	32.2	20.6	31.0#
229	27.3	17.2	25.8#

Instrument :
BNA_M
ClientSampleId :
EB-S39-2015-1

Manual Integrations APPROVED
apatel
4/20/2015 4:34:55 PM

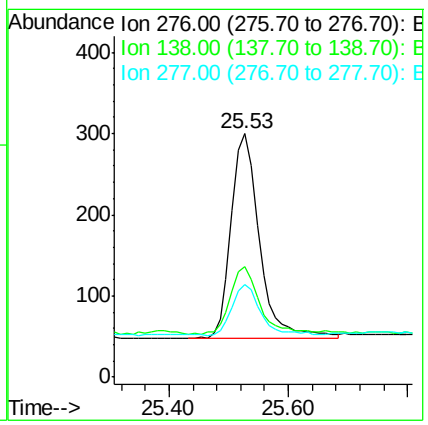


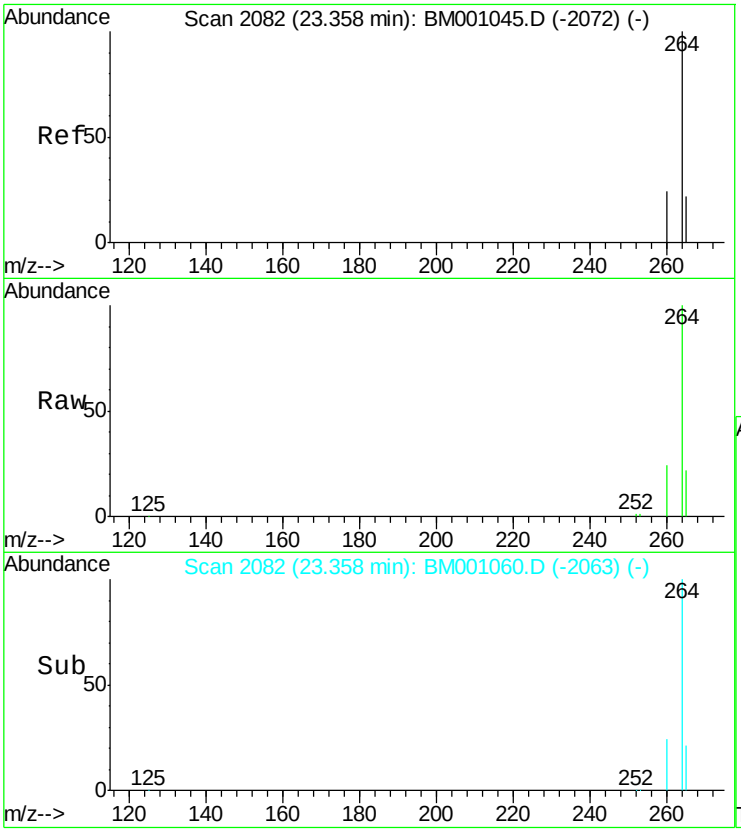


#24
Indeno(1,2,3-cd)pyrene
Concen: 0.03 ng
RT: 25.53 min Scan# 2290
Delta R.T. 0.01 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

Tgt Ion:276 Resp: 831

Ion	Ratio	Lower	Upper
276	100		
138	34.1	26.3	39.5
277	25.4	19.5	29.3





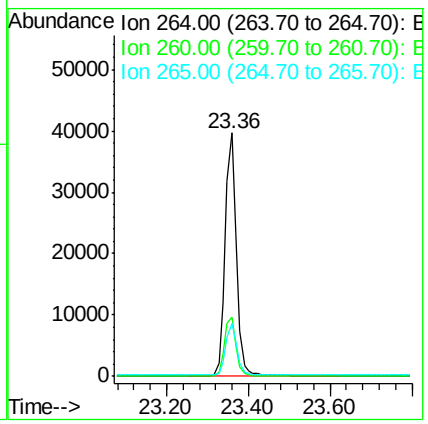
#25
Perylene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

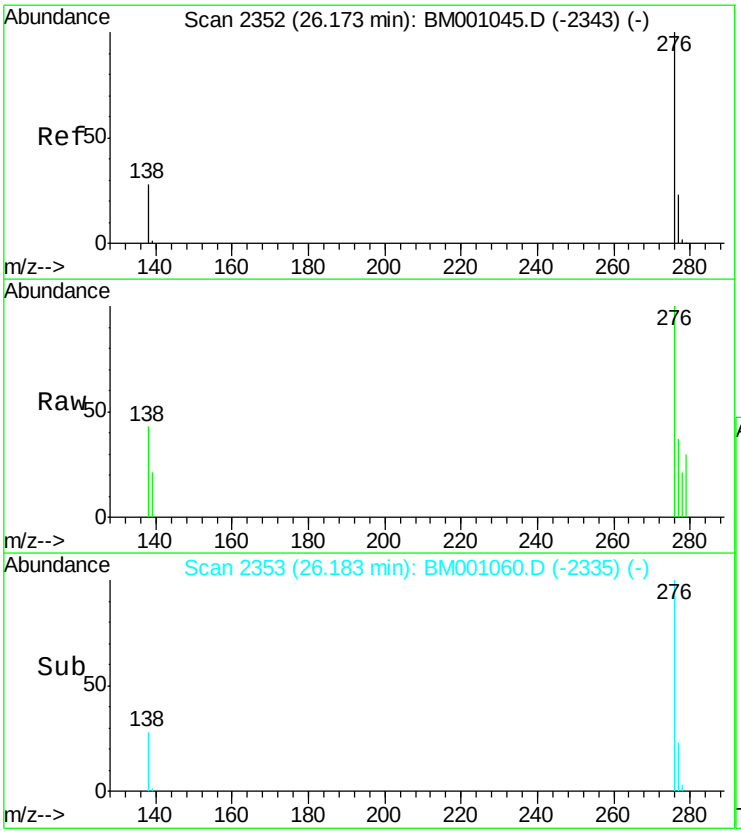
Tgt Ion:264 Resp: 76057

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.0	28.6
265	21.6	17.9	26.9

Instrument :
BNA_M
ClientSampleId :
EB-S39-2015-1

Manual Integrations APPROVED
apatel
4/20/2015 4:34:55 PM





#30
Benzo(g,h,i)perylene
Concen: 0.03 ng
RT: 26.18 min Scan# 2353
Delta R.T. 0.01 min
Lab File: BM001060.D
Acq: 18 Apr 2015 15:11

Tgt Ion:276 Resp: 755

Ion	Ratio	Lower	Upper
276	100		
277	37.5	19.0	28.4#
138	42.5	23.4	35.2#