

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081415\
 Data File : BM002441.D
 Acq On : 16 Aug 2015 01:05
 Operator : UM/IZ
 Sample : G3194-19MSD
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DB8MSD

Manual Integrations
 APPROVED

MMDadoda
 8/17/2015 2:47:34 PM

Quant Time: Aug 17 07:19:06 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 17 05:12:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	192002	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	842733	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	399914	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.17	188	648432	20.00	ng/ul	0.01
17) Chrysene-d12	22.24	240	455894	20.00	ng/ul	0.01
22) Perylene-d12	24.92	264	494204	20.00	ng/ul	0.02

System Monitoring Compounds

7) Acenaphthylene-d8	15.16	160	1230609	30.10	ng/ul	0.00
10) Fluorene-d10	16.43	176	777145	27.06	ng/ul	0.00
14) Anthracene-d10	18.27	188	935311	29.90	ng/ul	0.02
18) Pyrene-d10	20.48	212	722643	35.76	ng/ul	0.01
25) Benzo(a)pyrene-d12	24.75	264	746615	28.76	ng/ul	0.03

Target Compounds

						Qvalue
3) Naphthalene	11.80	128	609988	14.18	ng/ul	99
4) 2-Methylnaphthalene	13.34	142	227584	7.06	ng/ul	100
5) 1-Methylnaphthalene	13.55	142	148611	4.66	ng/ul	99
9) Acenaphthene	15.52	153	1723261	61.13	ng/ul	99
11) Fluorene	16.48	166	953949	29.53	ng/ul	100
13) Phenanthrene	18.22	178	7207305	192.48	ng/ul	97
15) Anthracene	18.30	178	2429378	64.02	ng/ul	99
16) Fluoranthene	20.16	202	6530545	154.05	ng/ul	95
19) Pyrene	20.52	202	5754276	215.45	ng/ul	98
20) Benzo(a)anthracene	22.23	228	2665252	97.76	ng/ul	98
21) Chrysene	22.29	228	2495745	97.88	ng/ul	96
23) Benzo(b)fluoranthene	24.10	252	3423938	114.60	ng/ul	98
24) Benzo(k)fluoranthene	24.15	252	1289690m	45.55	ng/ul	
26) Benzo(a)pyrene	24.81	252	2345596	82.20	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	27.77	276	1786926	54.45	ng/ul	94
28) Dibenzo(a,h)anthracene	27.77	278	506769	18.47	ng/ul#	89
29) Benzo(g,h,i)perylene	28.66	276	1564242	57.26	ng/ul	98

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

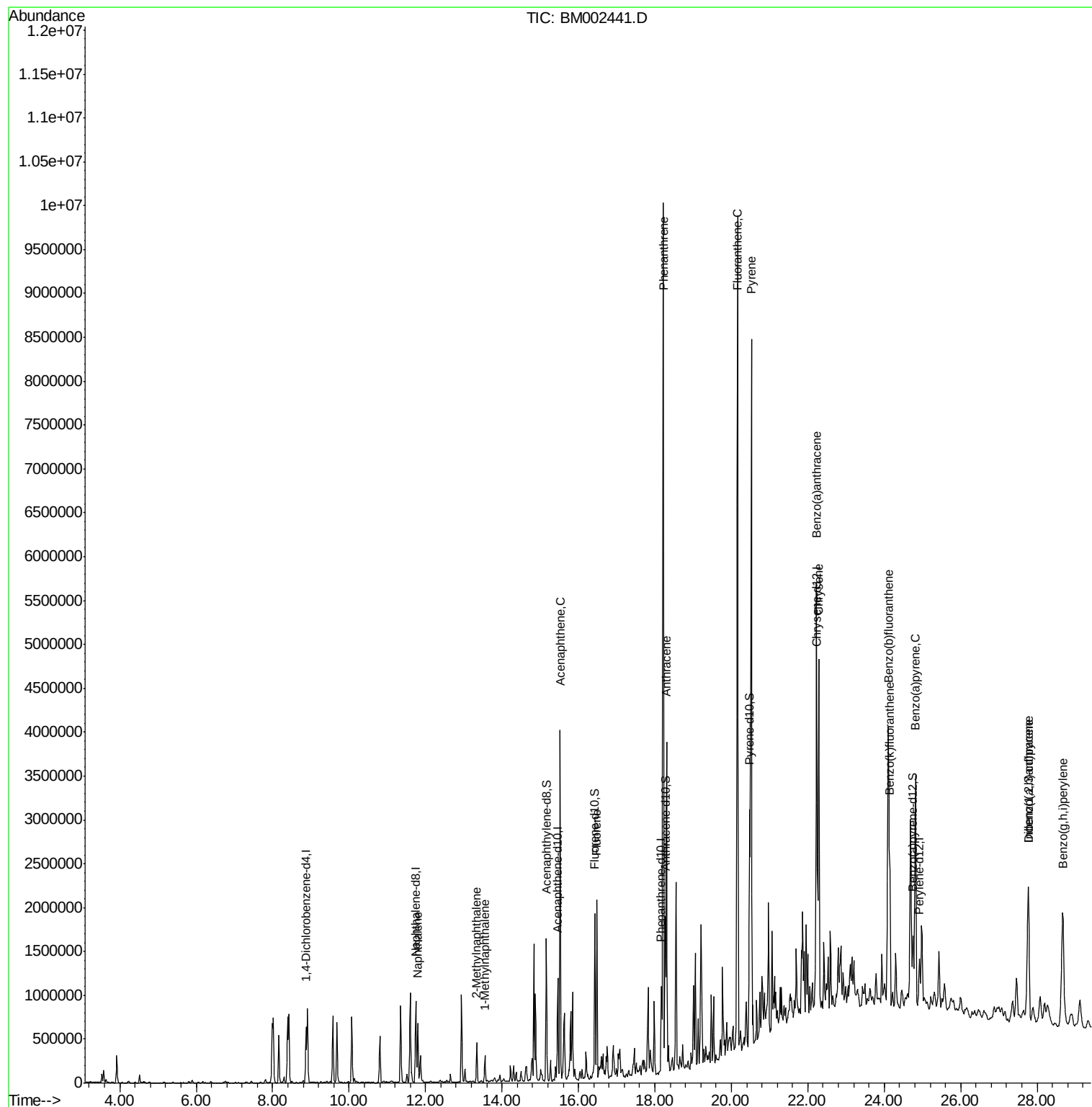
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081415\
Data File : BM002441.D
Acq On : 16 Aug 2015 01:05
Operator : UM/IZ
Sample : G3194-19MSD
Misc :
ALS Vial : 47 Sample Multiplier: 1

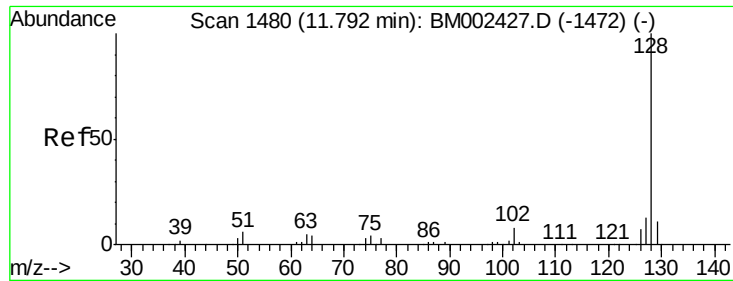
Instrument :
BNA_M
ClientSampleId :
D9DB8MSD

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:47:34 PM

Quant Time: Aug 17 07:19:06 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 17 05:12:59 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 14.18 ng/ul

RT: 11.80 min Scan# 1481

Delta R.T. 0.01 min

Lab File: BM002441.D

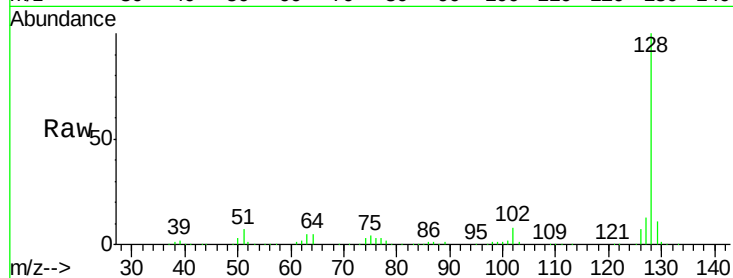
Acq: 16 Aug 2015 01:05

Instrument :

BNA_M

ClientSampleId :

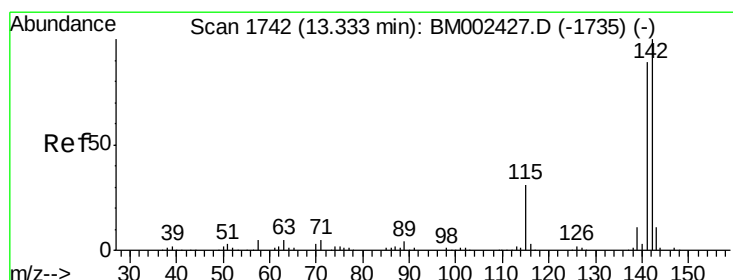
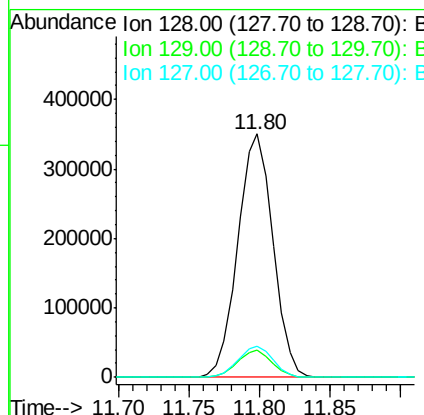
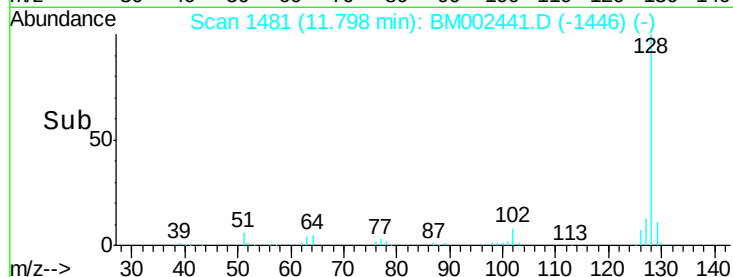
D9DB8MSD



Tgt Ion:	128	Resp:	609988
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.6	12.8
127	13.0	10.4	15.6

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:47:34 PM



#4

2-Methylnaphthalene

Concen: 7.06 ng/ul

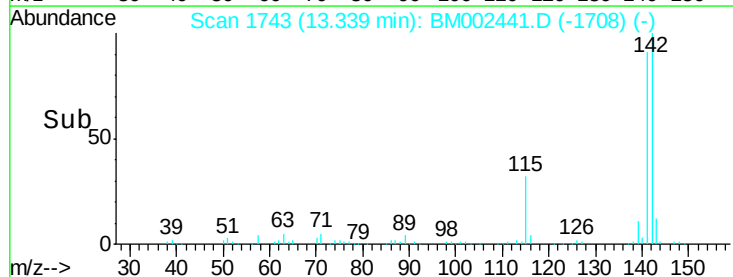
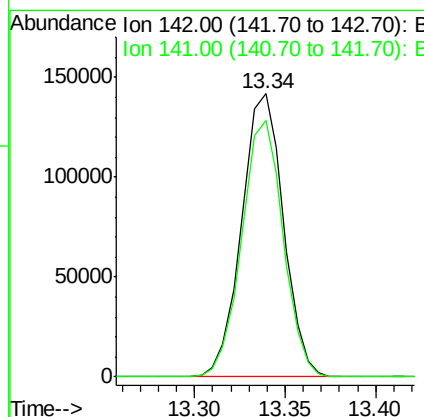
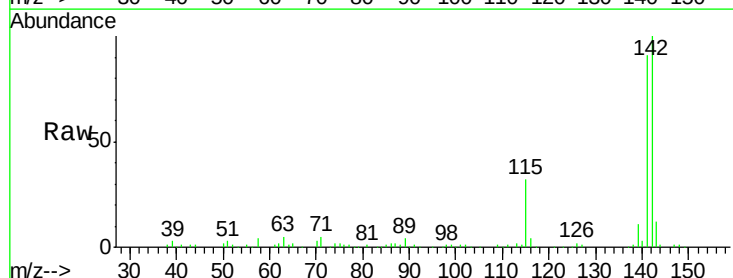
RT: 13.34 min Scan# 1743

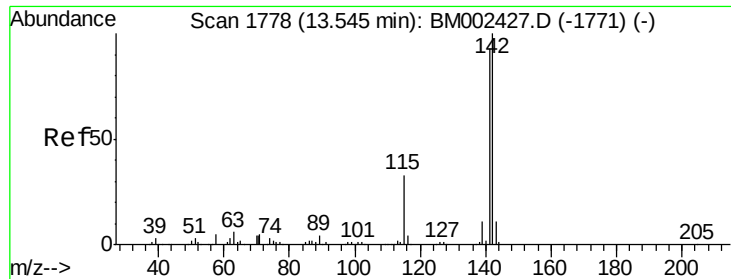
Delta R.T. 0.01 min

Lab File: BM002441.D

Acq: 16 Aug 2015 01:05

Tgt Ion:	142	Resp:	227584
Ion Ratio	Lower	Upper	
142	100		
141	90.5	72.2	108.2





#5

1-Methylnaphthalene

Concen: 4.66 ng/ul

RT: 13.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BM002441.D

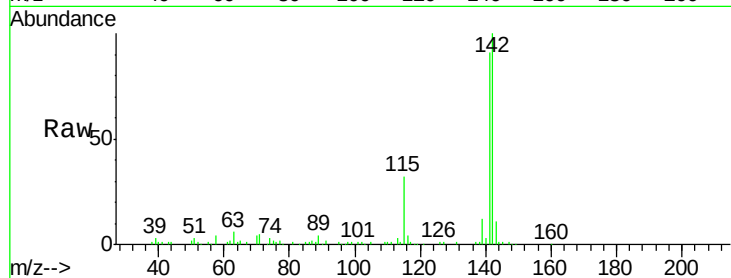
Acq: 16 Aug 2015 01:05

Instrument :

BNA_M

ClientSampleId :

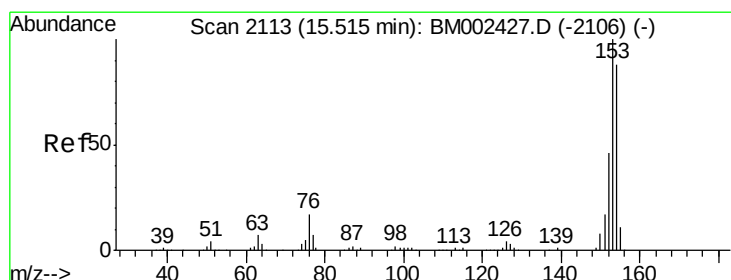
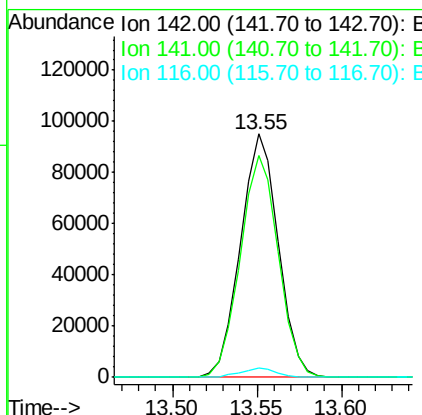
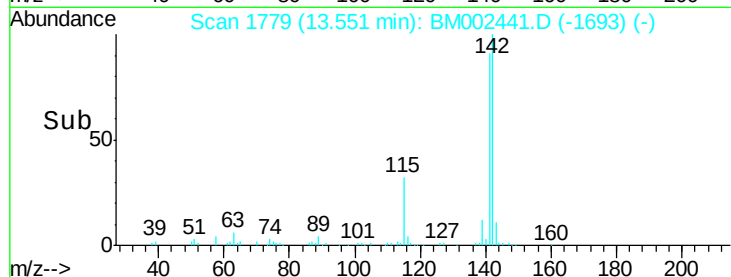
D9DB8MSD



Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.9	110.9
116	3.8	3.0	4.4

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:47:34 PM



#9

Acenaphthene

Concen: 61.13 ng/ul

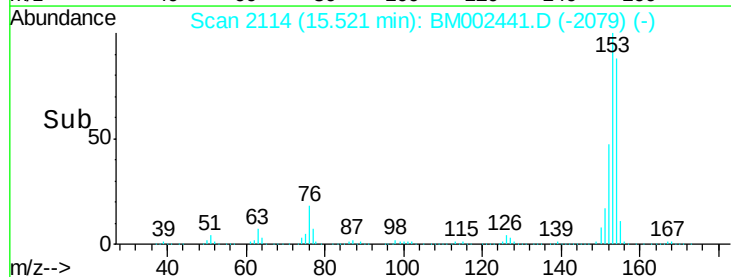
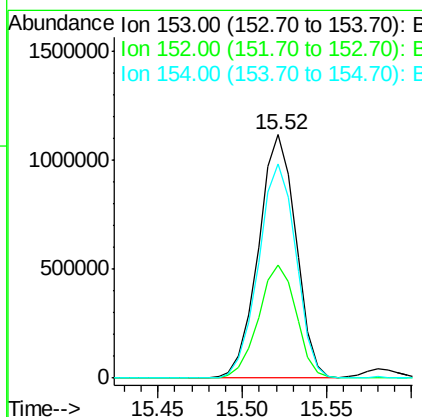
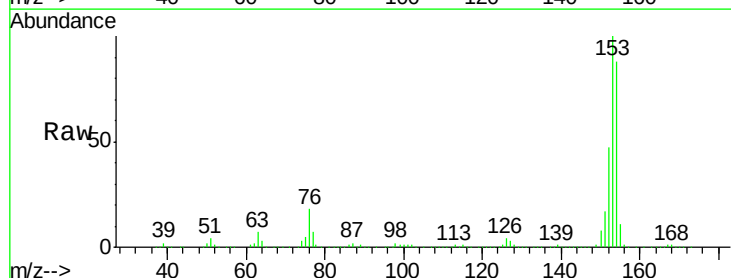
RT: 15.52 min Scan# 2114

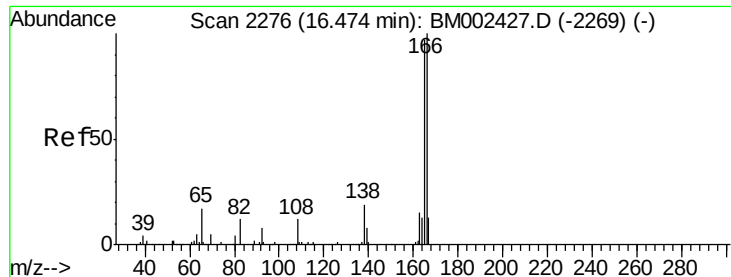
Delta R.T. 0.01 min

Lab File: BM002441.D

Acq: 16 Aug 2015 01:05

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.7	36.9	55.3
154	87.9	71.3	106.9





#11

Fluorene

Concen: 29.53 ng/ul

RT: 16.48 min Scan# 2277

Delta R.T. 0.01 min

Lab File: BM002441.D

Acq: 16 Aug 2015 01:05

Instrument :

BNA_M

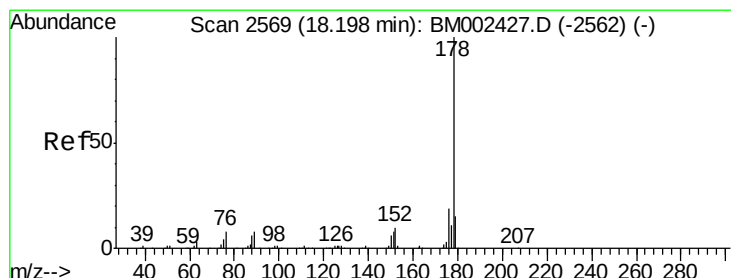
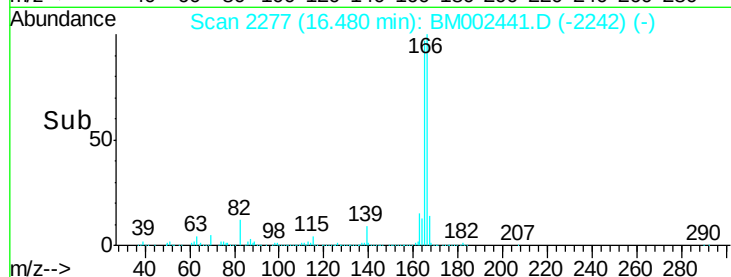
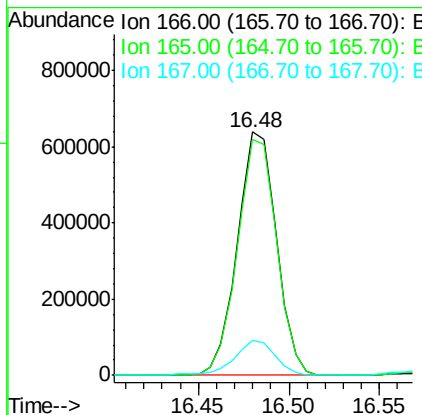
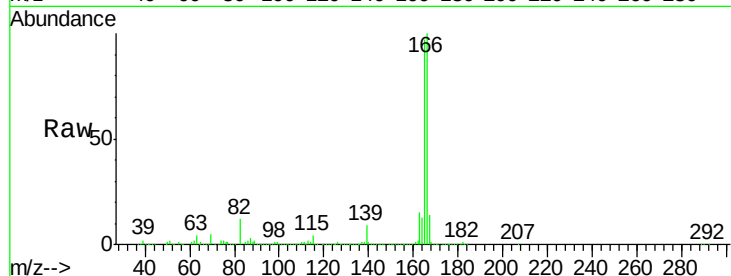
ClientSampleId :

D9DB8MSD

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:47:34 PM

Tgt Ion:	166	Resp:	953949
Ion Ratio	Lower	Upper	
166	100		
165	96.9	77.6	116.4
167	14.3	10.7	16.1



#13

Phenanthrene

Concen: 192.48 ng/ul

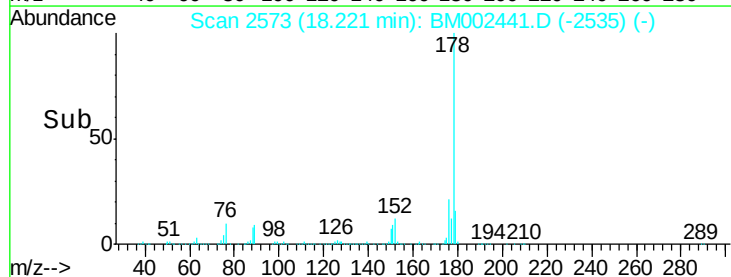
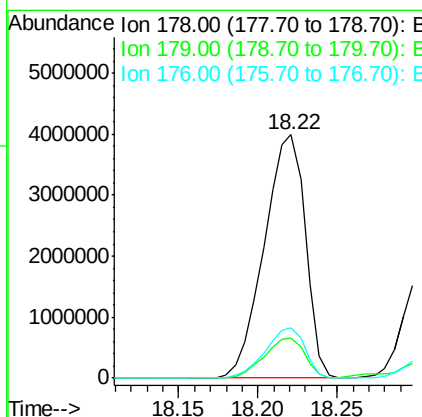
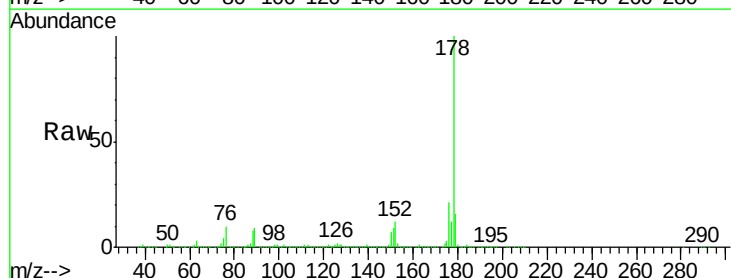
RT: 18.22 min Scan# 2573

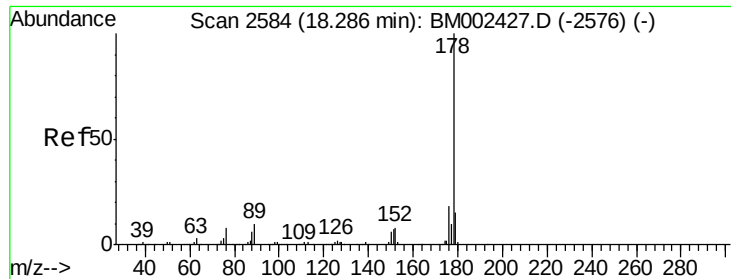
Delta R.T. 0.02 min

Lab File: BM002441.D

Acq: 16 Aug 2015 01:05

Tgt Ion:	178	Resp:	7207305
Ion Ratio	Lower	Upper	
178	100		
179	16.4	12.4	18.6
176	20.9	15.1	22.7





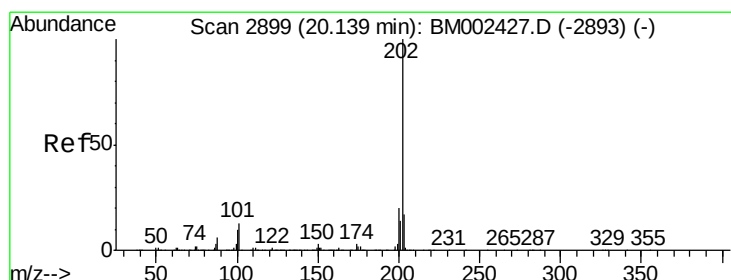
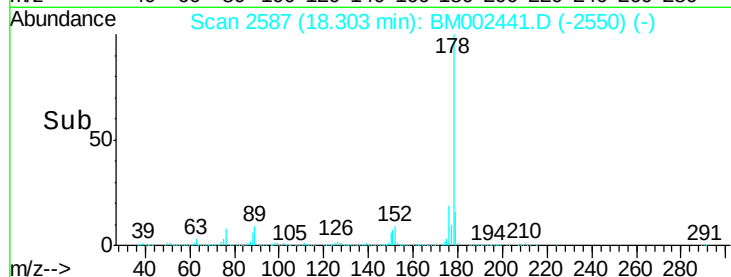
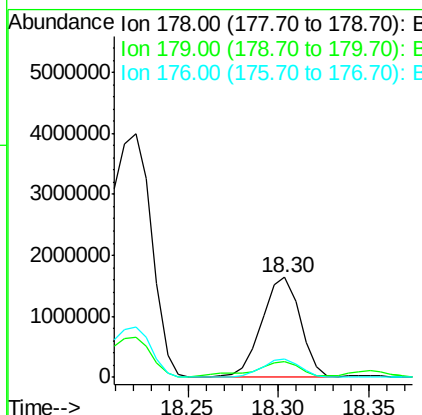
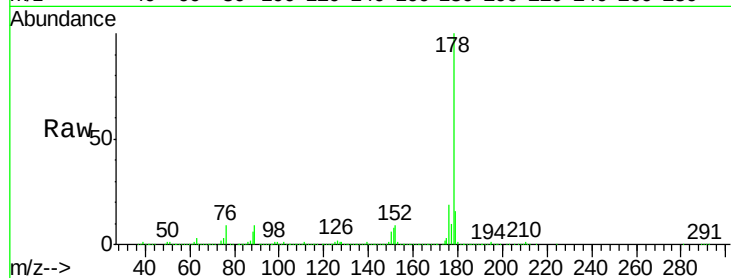
#15
 Anthracene
 Concen: 64.02 ng/ul
 RT: 18.30 min Scan# 2587
 Delta R.T. 0.02 min
 Lab File: BM002441.D
 Acq: 16 Aug 2015 01:05

Instrument :
 BNA_M
 ClientSampleId :
 D9DB8MSD

Tgt Ion:178 Resp: 2429378
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.6 18.8
 176 18.7 14.5 21.7

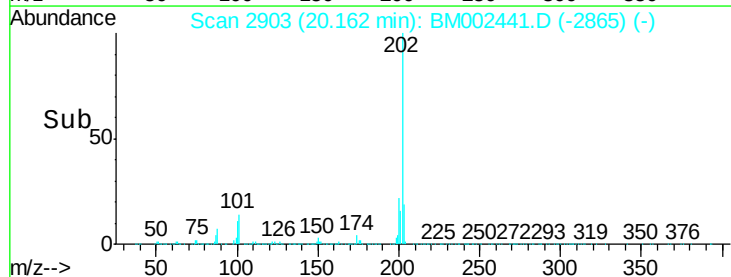
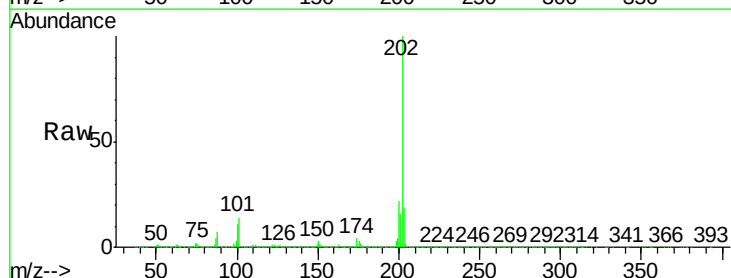
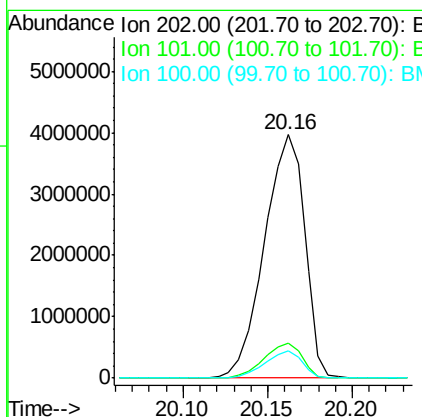
Manual Integrations
 APPROVED

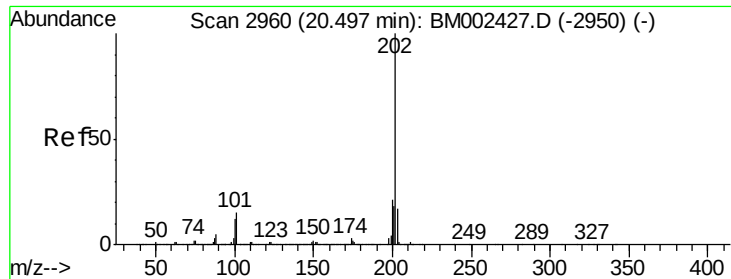
MMDadoda
 8/17/2015 2:47:34 PM



#16
 Fluoranthene
 Concen: 154.05 ng/ul
 RT: 20.16 min Scan# 2903
 Delta R.T. 0.02 min
 Lab File: BM002441.D
 Acq: 16 Aug 2015 01:05

Tgt Ion:202 Resp: 6530545
 Ion Ratio Lower Upper
 202 100
 101 14.4 9.7 14.5
 100 11.0 7.4 11.2





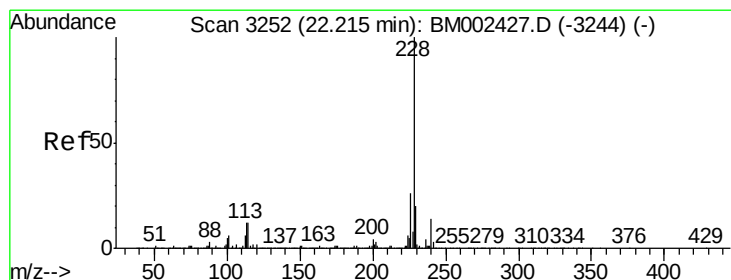
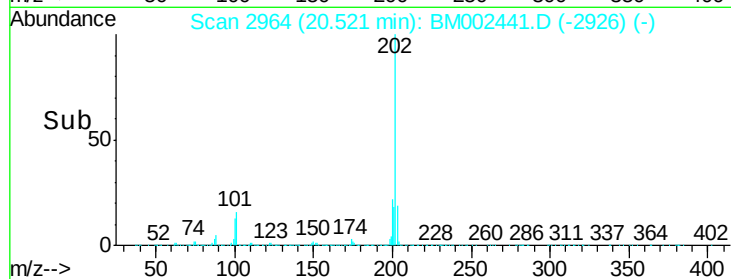
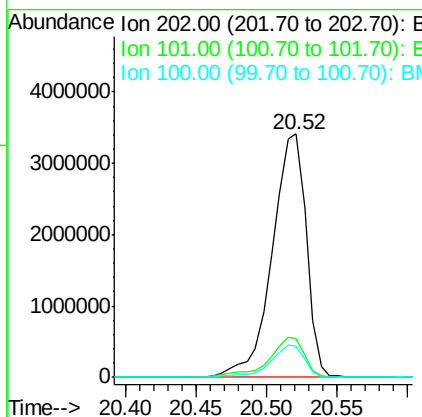
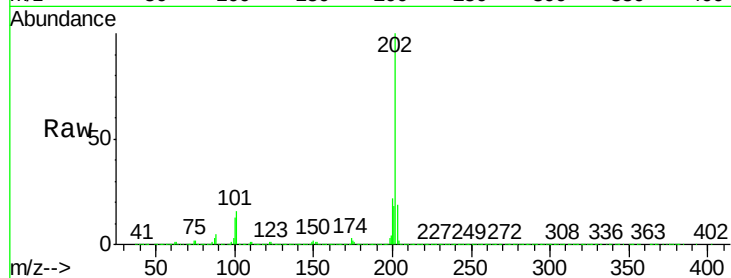
#19
 Pyrene
 Concen: 215.45 ng/ul
 RT: 20.52 min Scan# 2964
 Delta R.T. 0.02 min
 Lab File: BM002441.D
 Acq: 16 Aug 2015 01:05

Instrument :
 BNA_M
 ClientSampleId :
 D9DB8MSD

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.8	12.0	18.0
100	13.0	9.7	14.5

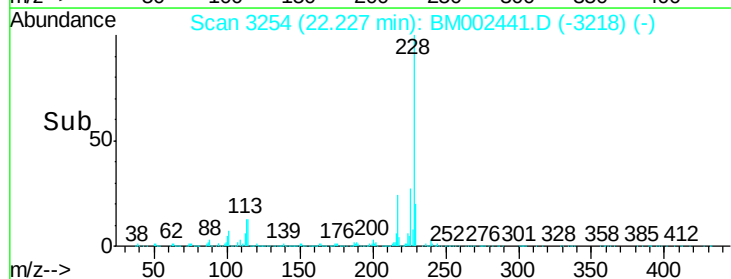
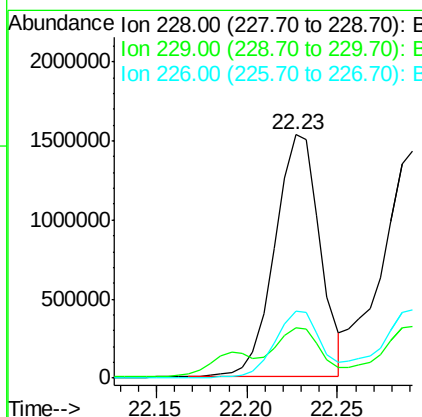
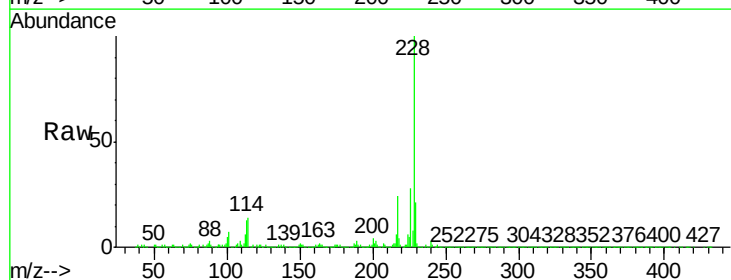
Manual Integrations
 APPROVED

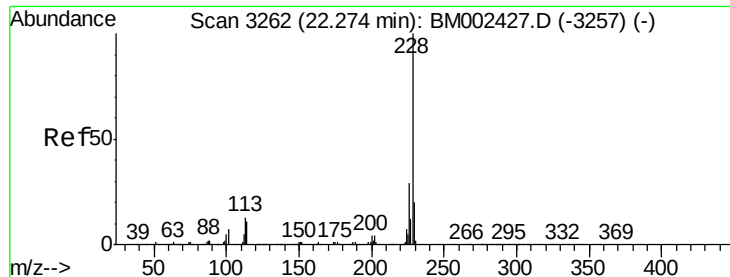
MMDadoda
 8/17/2015 2:47:34 PM



#20
 Benzo(a)anthracene
 Concen: 97.76 ng/ul
 RT: 22.23 min Scan# 3254
 Delta R.T. 0.01 min
 Lab File: BM002441.D
 Acq: 16 Aug 2015 01:05

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.8	23.6
226	27.5	21.1	31.7





#21

Chrysene

Concen: 97.88 ng/ul

RT: 22.29 min Scan# 3265

Delta R.T. 0.02 min

Lab File: BM002441.D

Acq: 16 Aug 2015 01:05

Instrument :

BNA_M

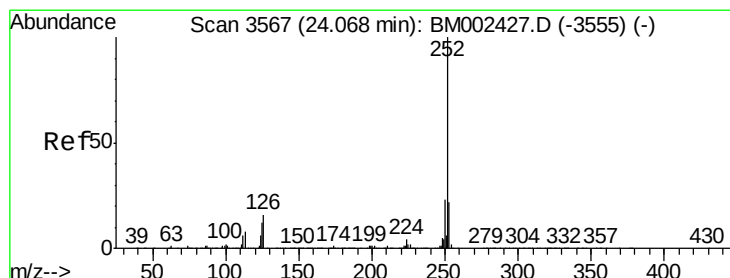
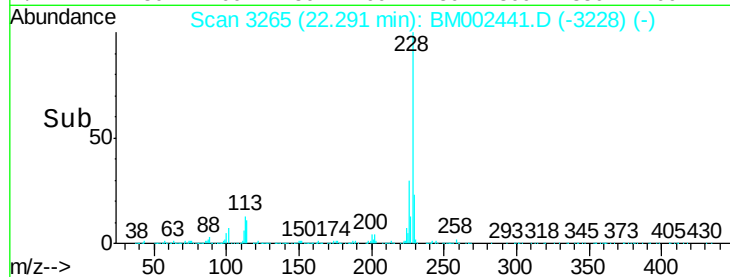
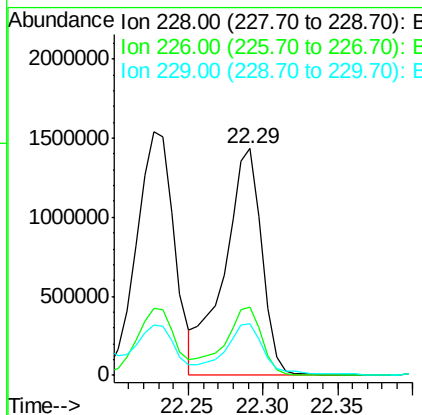
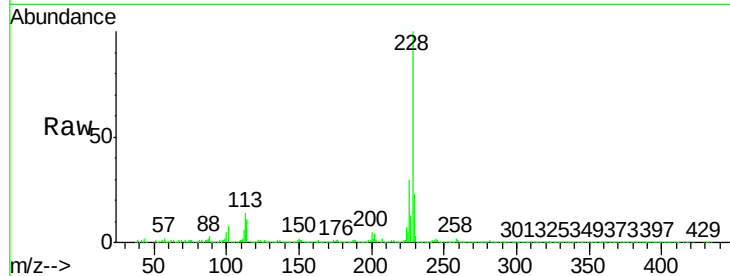
ClientSampleId :

D9DB8MSD

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:47:34 PM

Tgt Ion:	228	Resp:	2495745
Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.4	35.2
229	22.9	15.7	23.5



#23

Benzo(b)fluoranthene

Concen: 114.60 ng/ul

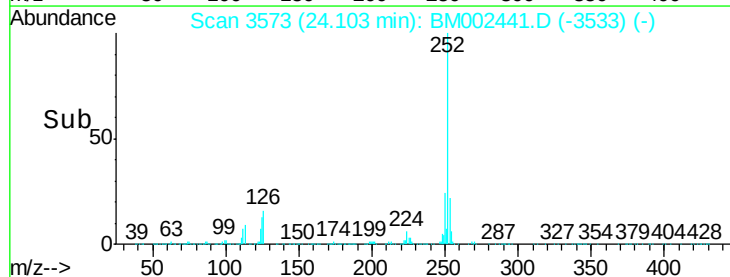
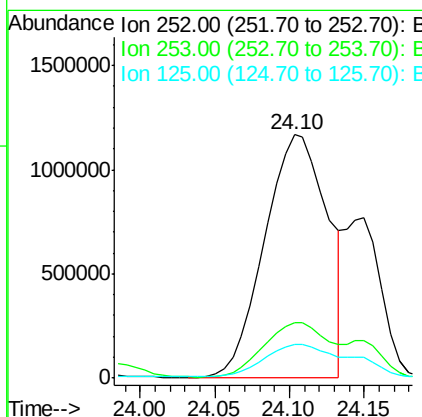
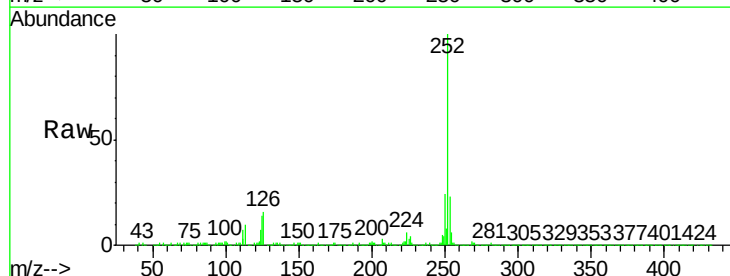
RT: 24.10 min Scan# 3573

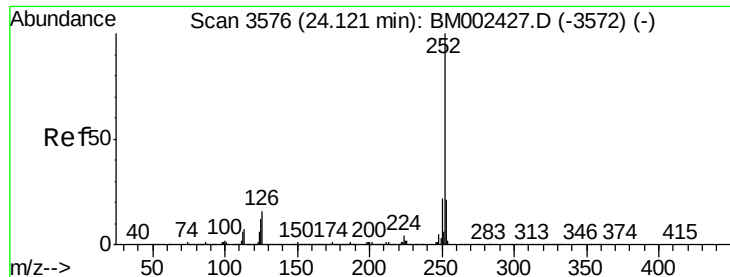
Delta R.T. 0.04 min

Lab File: BM002441.D

Acq: 16 Aug 2015 01:05

Tgt Ion:	252	Resp:	3423938
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	13.8	10.0	15.0





#24

Benzo(k)fluoranthene

Concen: 45.55 ng/ul m

RT: 24.15 min Scan# 3581

Delta R.T. 0.03 min

Lab File: BM002441.D

Acq: 16 Aug 2015 01:05

Instrument :

BNA_M

ClientSampleId :

D9DB8MSD

Tgt Ion:252 Resp: 1289690

Ion Ratio Lower Upper

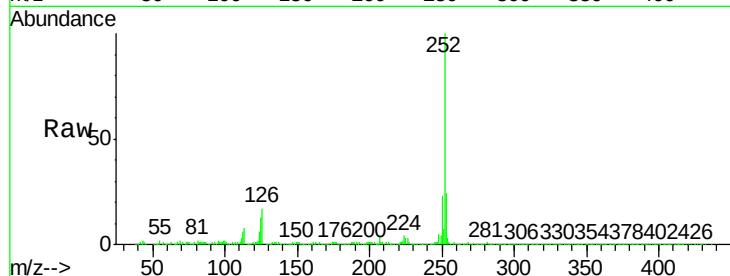
252 100

253 23.6 17.8 26.6

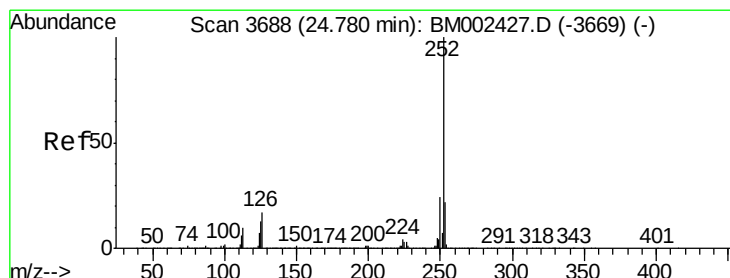
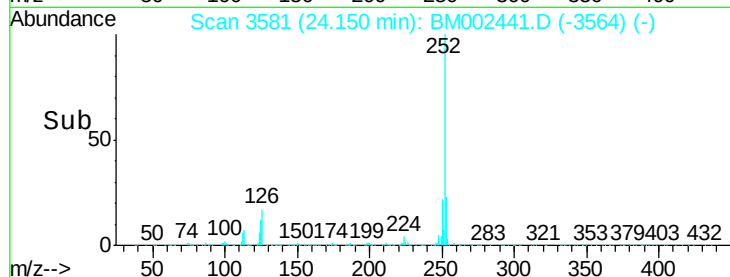
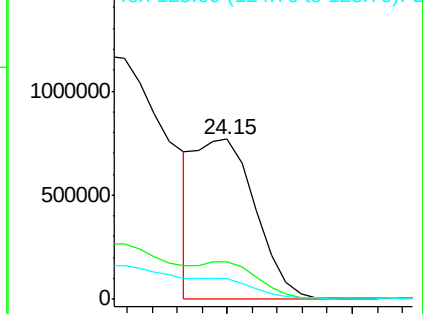
125 12.8 9.8 14.8

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:47:34 PM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#26

Benzo(a)pyrene

Concen: 82.20 ng/ul

RT: 24.81 min Scan# 3694

Delta R.T. 0.04 min

Lab File: BM002441.D

Acq: 16 Aug 2015 01:05

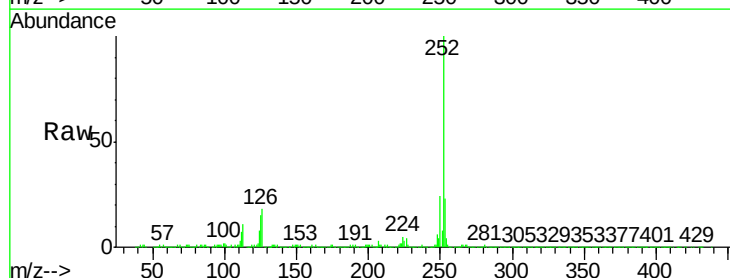
Tgt Ion:252 Resp: 2345596

Ion Ratio Lower Upper

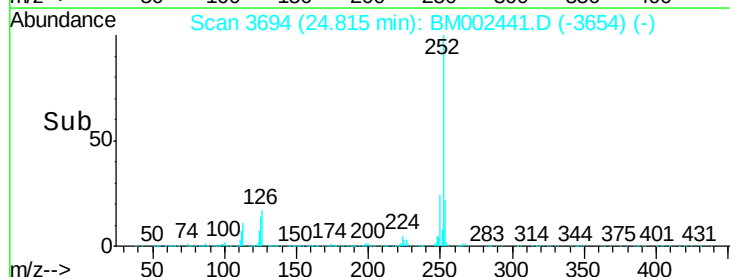
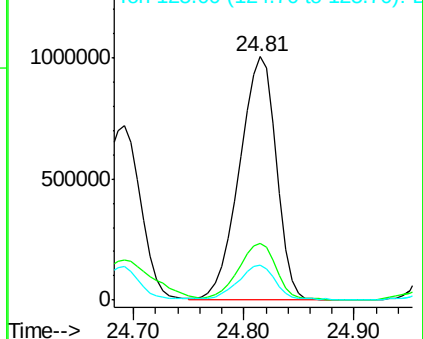
252 100

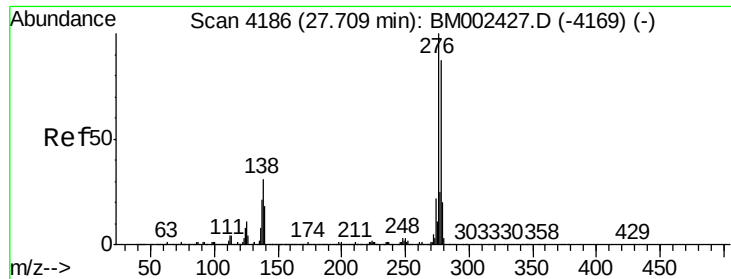
253 23.4 17.6 26.4

125 14.5 10.7 16.1



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





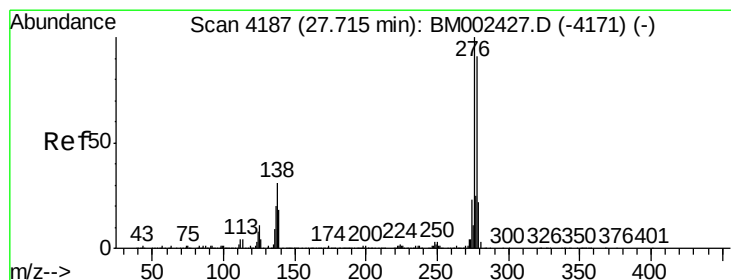
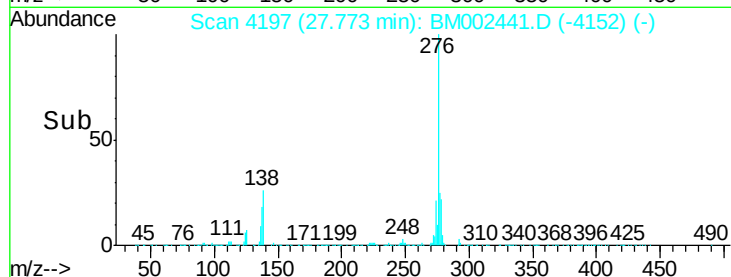
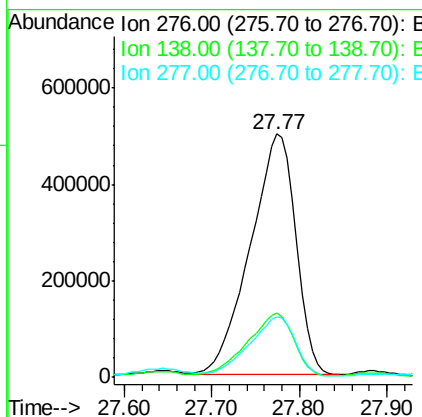
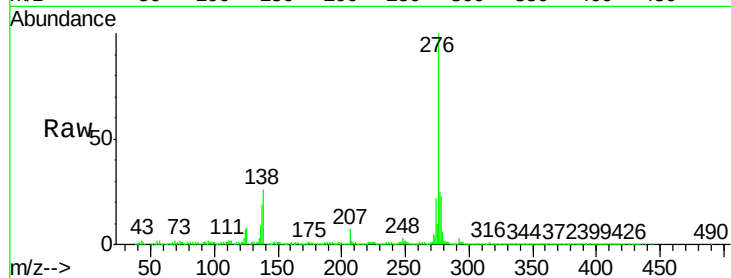
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 54.45 ng/ul
 RT: 27.77 min Scan# 4197
 Delta R.T. 0.06 min
 Lab File: BM002441.D
 Acq: 16 Aug 2015 01:05

Instrument :
 BNA_M
 ClientSampleId :
 D9DB8MSD

Manual Integrations
 APPROVED

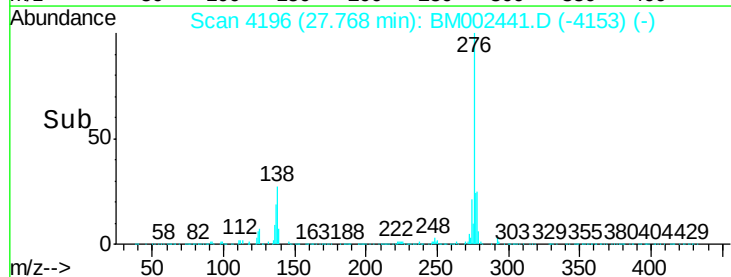
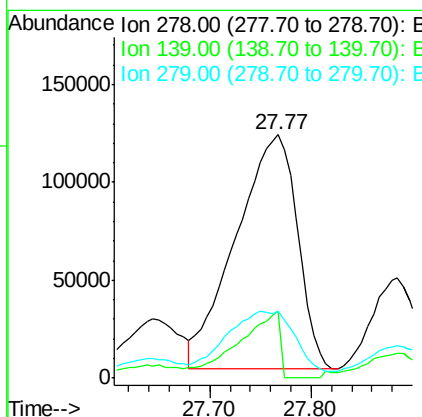
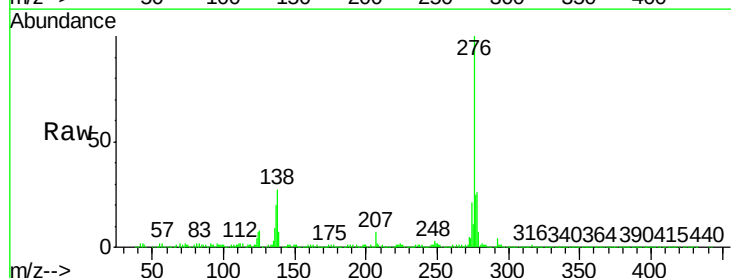
MMDadoda
 8/17/2015 2:47:34 PM

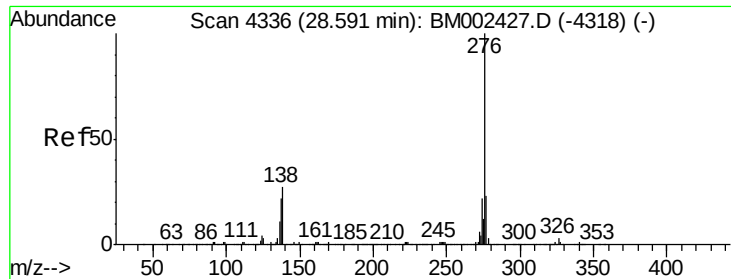
Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.2	25.3	37.9
277	25.0	20.2	30.2



#28
 Dibenzo(a,h)anthracene
 Concen: 18.47 ng/ul
 RT: 27.77 min Scan# 4196
 Delta R.T. 0.05 min
 Lab File: BM002441.D
 Acq: 16 Aug 2015 01:05

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.4	16.5	24.7#
279	27.3	18.8	28.2





#29

Benzo(g,h,i)perylene

Concen: 57.26 ng/ul

RT: 28.66 min Scan# 4348

Delta R.T. 0.07 min

Lab File: BM002441.D

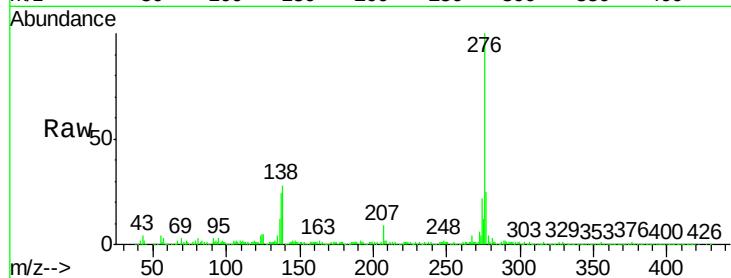
Acq: 16 Aug 2015 01:05

Instrument :

BNA_M

ClientSampleId :

D9DB8MSD



Tgt Ion: 276 Resp: 1564242

Ion Ratio Lower Upper

276 100

138 27.6 21.0 31.6

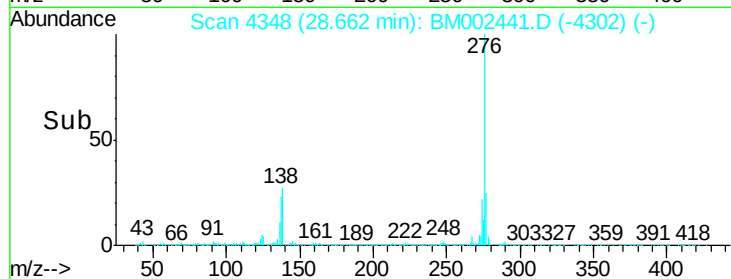
277 25.1 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

8/17/2015 2:47:34 PM



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

