

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080715\
 Data File : BM002270.D
 Acq On : 08 Aug 2015 10:58
 Operator : TP/UM
 Sample : G3126-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9D08

Manual Integrations
 APPROVED

MMDadoda
 8/10/2015 7:13:24 PM

Quant Time: Aug 09 05:40:21 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Aug 09 05:31:20 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	311573	20.00	ng/ul	0.00
2) Naphthalene-d8	11.79	136	1488267	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.50	164	784131	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.21	188	1578947	20.00	ng/ul	0.00
17) Chrysene-d12	22.30	240	1308355	20.00	ng/ul	0.00
22) Perylene-d12	25.00	264	1041984	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	15.20	160	874182	10.76	ng/ul	0.00
10) Fluorene-d10	16.47	176	569950	10.09	ng/ul	0.00
14) Anthracene-d10	18.30	188	809319	10.56	ng/ul	0.00
18) Pyrene-d10	20.52	212	771794	12.16	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.81	264	565915	10.23	ng/ul	0.00

Target Compounds

						Qvalue
3) Naphthalene	11.85	128	242423	3.09	ng/ul	99
4) 2-Methylnaphthalene	13.39	142	90120	1.61	ng/ul	96
5) 1-Methylnaphthalene	13.60	142	55933	1.01	ng/ul	99
9) Acenaphthene	15.56	153	288845	5.09	ng/ul	99
11) Fluorene	16.53	166	256123	4.01	ng/ul	99
13) Phenanthrene	18.25	178	2396809	26.37	ng/ul	100
15) Anthracene	18.34	178	626185	6.67	ng/ul	100
16) Fluoranthene	20.20	202	3250488	32.30	ng/ul	97
19) Pyrene	20.55	202	2420716	28.62	ng/ul	98
20) Benzo(a)anthracene	22.27	228	1384276	17.33	ng/ul	99
21) Chrysene	22.34	228	1414497	18.69	ng/ul	96
23) Benzo(b)fluoranthene	24.16	252	1794666	27.71	ng/ul	98
24) Benzo(k)fluoranthene	24.21	252	558204m	8.97	ng/ul	
26) Benzo(a)pyrene	24.87	252	1112276	17.95	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	27.84	276	781230	11.00	ng/ul	94
28) Dibenzo(a,h)anthracene	27.85	278	231783	3.85	ng/ul#	86
29) Benzo(g,h,i)perylene	28.73	276	732817	12.23	ng/ul	97

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

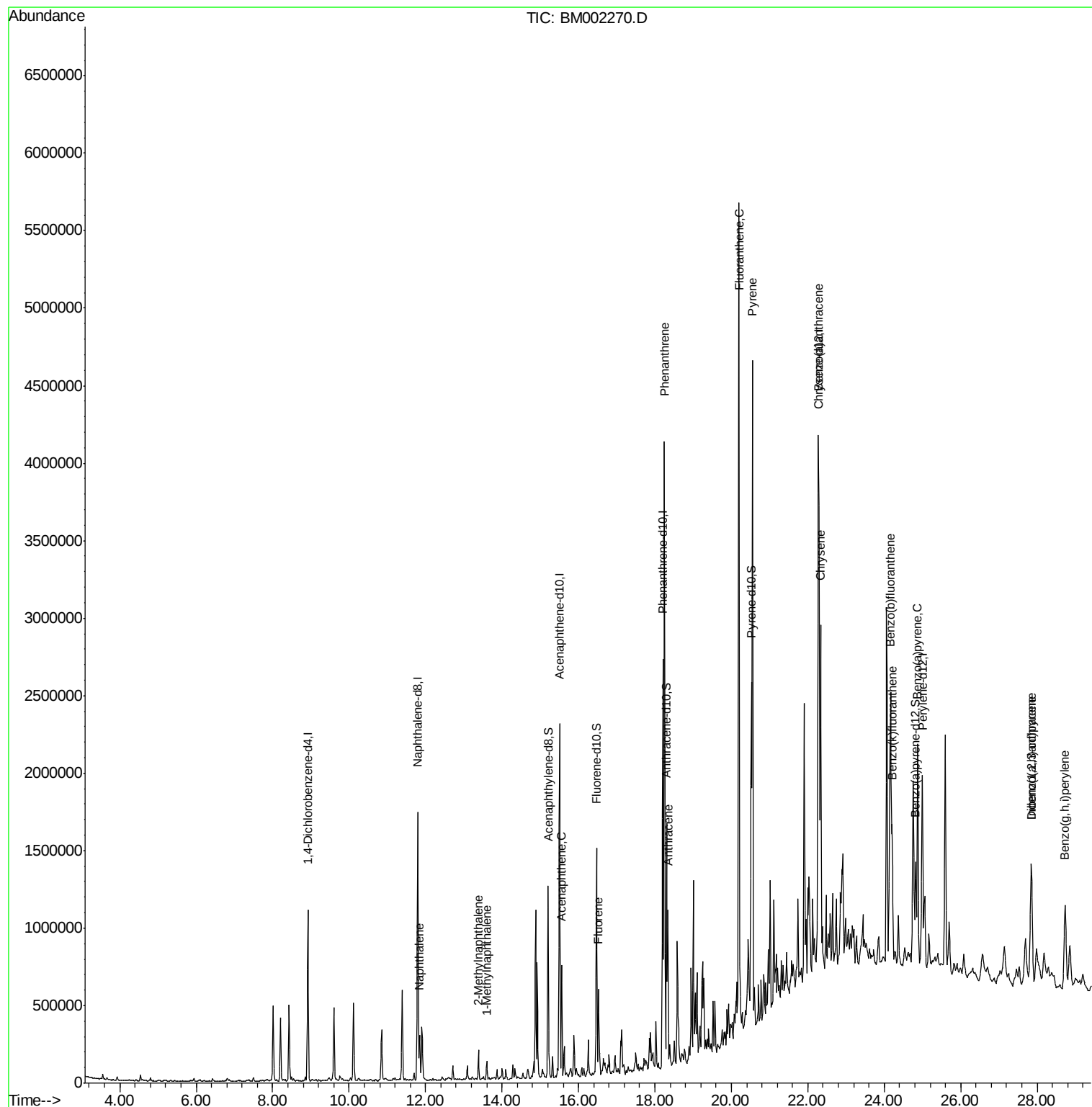
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080715\
Data File : BM002270.D
Acq On : 08 Aug 2015 10:58
Operator : TP/UM
Sample : G3126-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

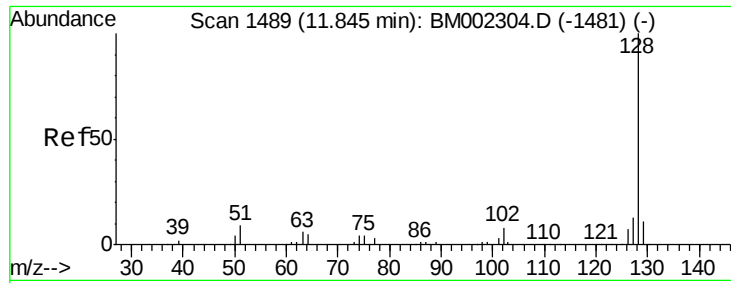
Instrument :
BNA_M
ClientSampleId :
D9D08

Manual Integrations
APPROVED

MMDadoda
8/10/2015 7:13:24 PM

Quant Time: Aug 09 05:40:21 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Aug 09 05:31:20 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 3.09 ng/ul

RT: 11.85 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BM002270.D

Acq: 08 Aug 2015 10:58

Instrument :

BNA_M

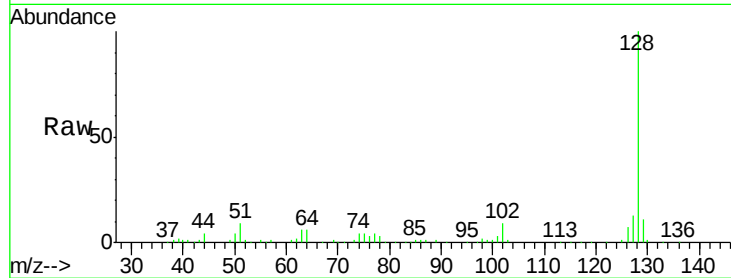
ClientSampleId :

D9D08

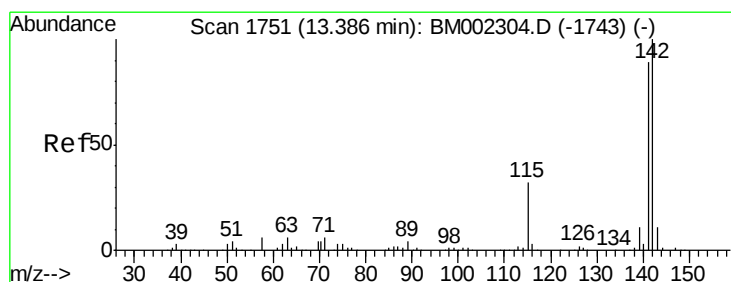
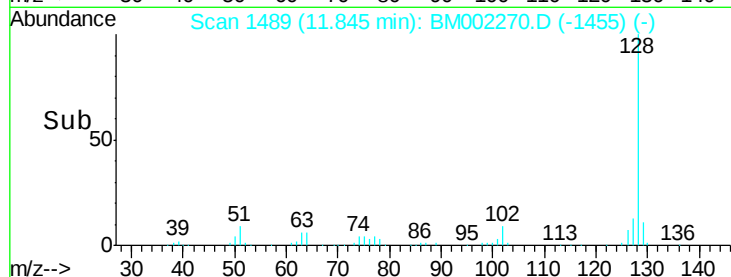
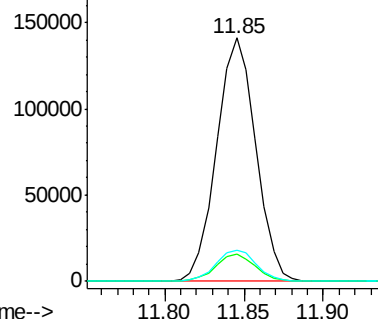
Tgt Ion:	128	Resp:	242423
Ion Ratio		Lower	Upper
128	100		
129	11.1	8.6	12.8
127	12.9	10.4	15.6

Manual Integrations
APPROVED

MMDadoda
8/10/2015 7:13:24 PM



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#4

2-Methylnaphthalene

Concen: 1.61 ng/ul

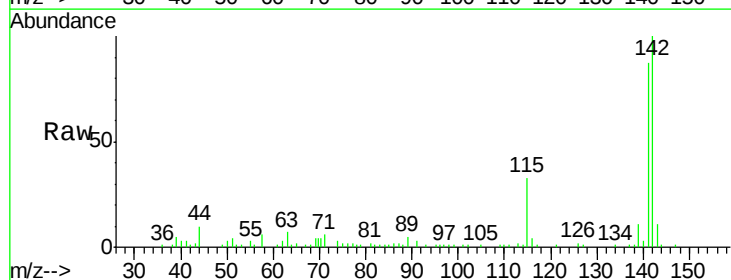
RT: 13.39 min Scan# 1751

Delta R.T. 0.00 min

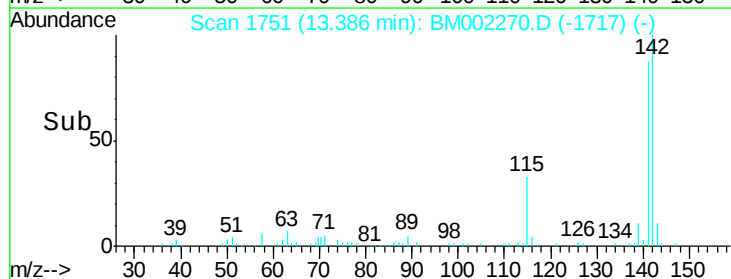
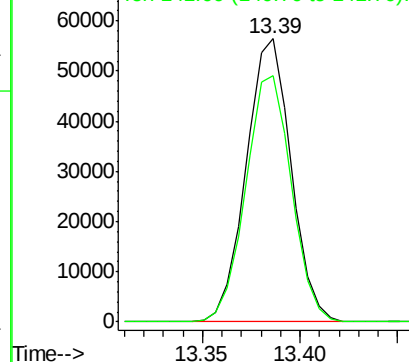
Lab File: BM002270.D

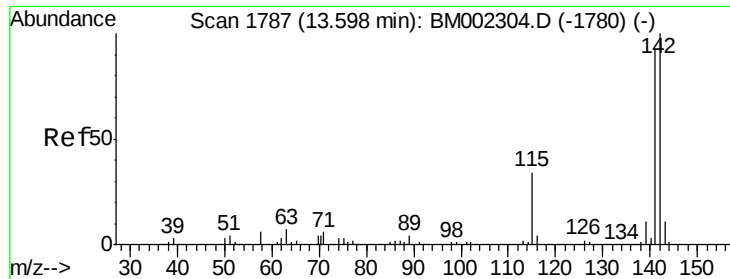
Acq: 08 Aug 2015 10:58

Tgt Ion:	142	Resp:	90120
Ion Ratio		Lower	Upper
142	100		
141	87.2	72.5	108.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 1.01 ng/ul

RT: 13.60 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BM002270.D

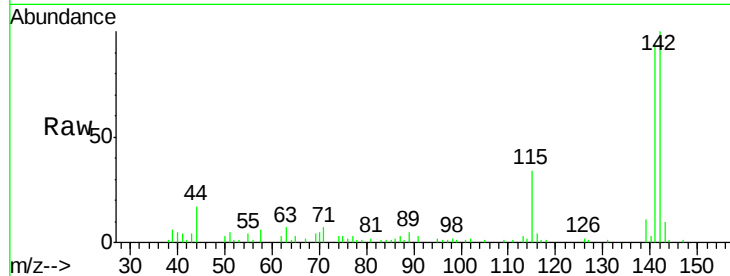
Acq: 08 Aug 2015 10:58

Instrument :

BNA_M

ClientSampleId :

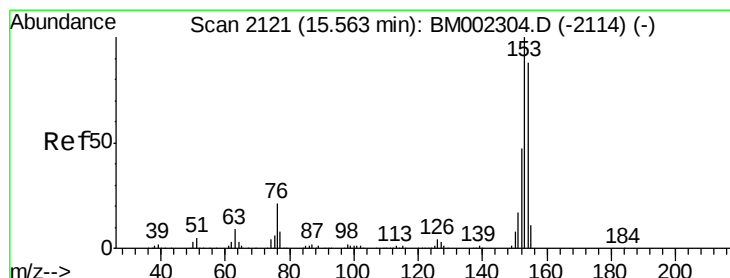
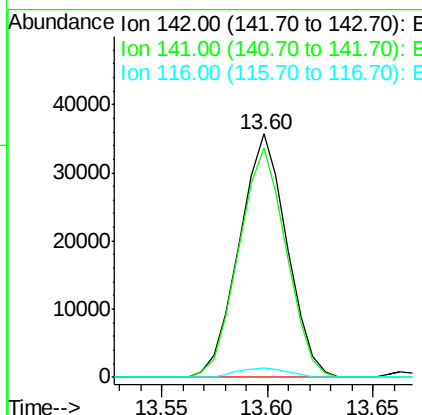
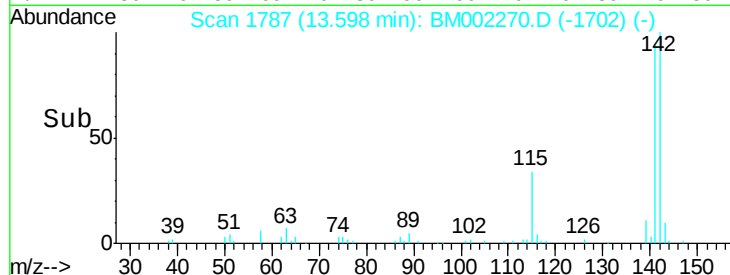
D9D08



Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.3	74.5	111.7
116	3.9	3.0	4.4

Manual Integrations
APPROVED

MMDadoda
8/10/2015 7:13:24 PM



#9

Acenaphthene

Concen: 5.09 ng/ul

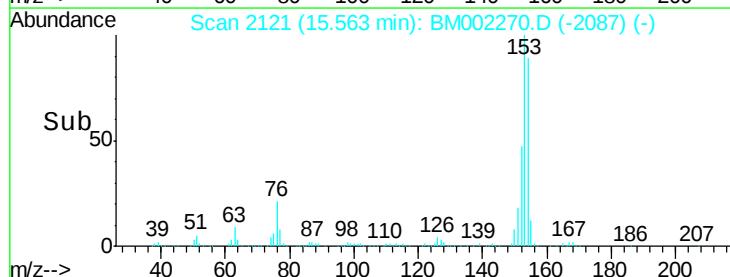
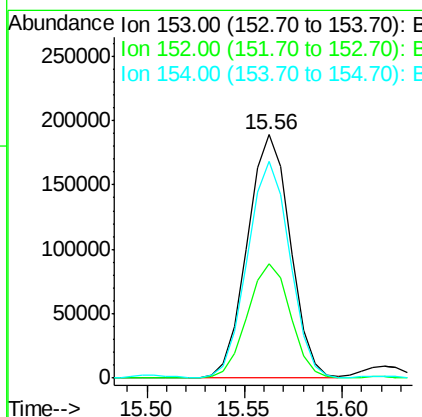
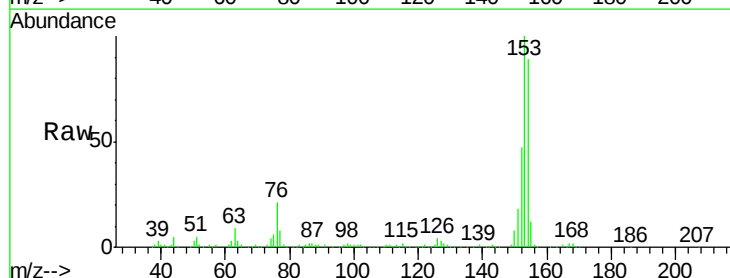
RT: 15.56 min Scan# 2121

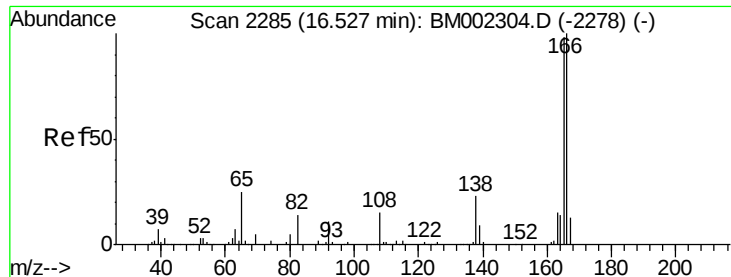
Delta R.T. 0.00 min

Lab File: BM002270.D

Acq: 08 Aug 2015 10:58

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.0	36.6	55.0
154	88.9	71.5	107.3





#11

Fluorene

Concen: 4.01 ng/ul

RT: 16.53 min Scan# 2285

Delta R.T. 0.00 min

Lab File: BM002270.D

Acq: 08 Aug 2015 10:58

Instrument :

BNA_M

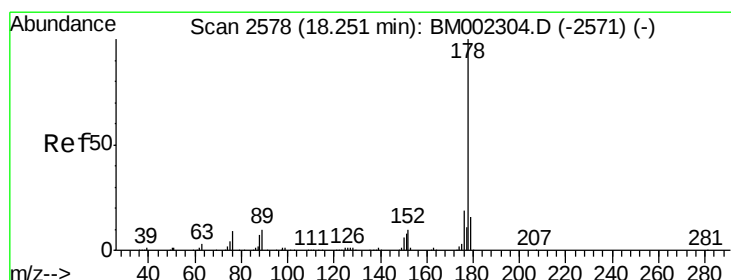
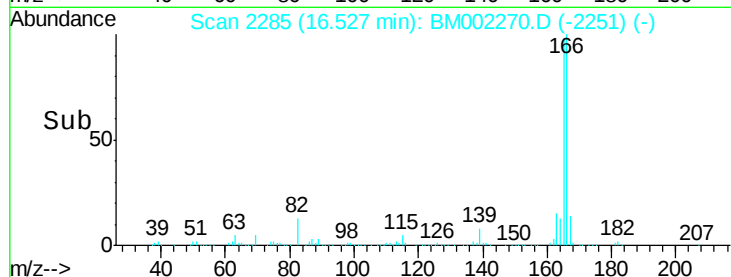
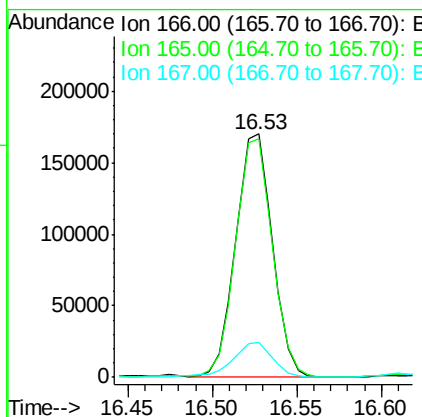
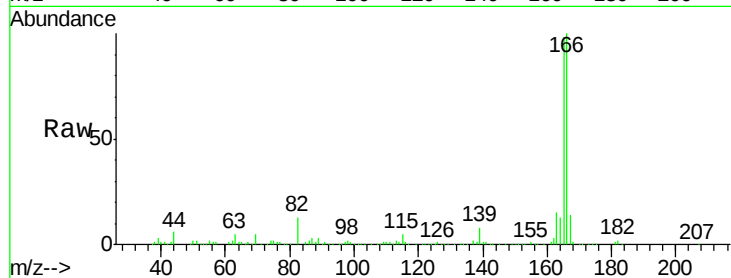
ClientSampleId :

D9D08

Tgt Ion:	166	Resp:	256123
Ion Ratio		Lower	Upper
166	100		
165	97.9	77.5	116.3
167	14.5	10.4	15.6

Manual Integrations
APPROVED

MMDadoda
8/10/2015 7:13:24 PM



#13

Phenanthrene

Concen: 26.37 ng/ul

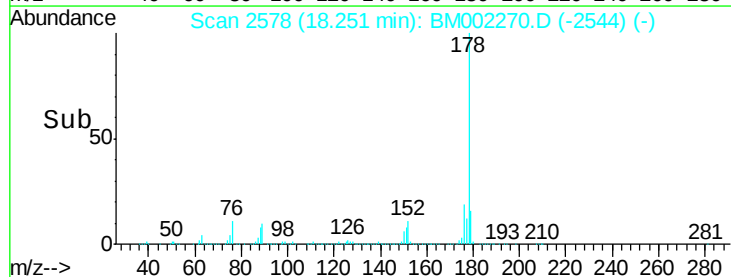
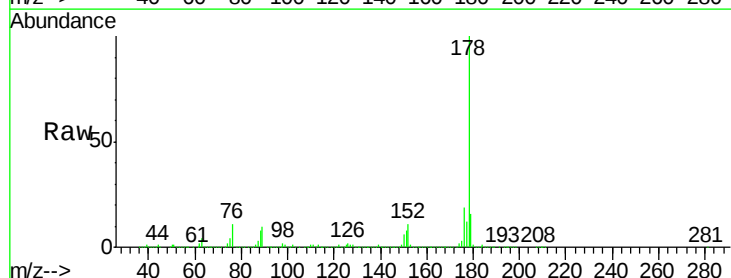
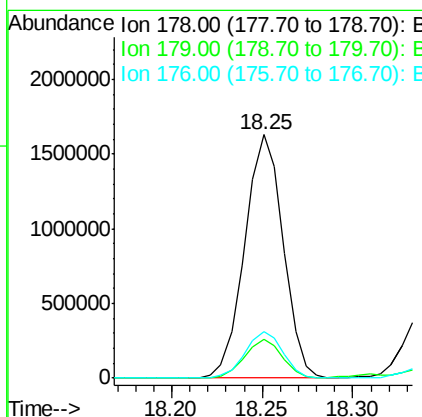
RT: 18.25 min Scan# 2578

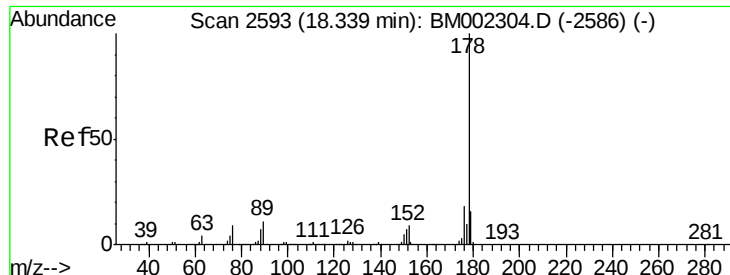
Delta R.T. 0.00 min

Lab File: BM002270.D

Acq: 08 Aug 2015 10:58

Tgt Ion:	178	Resp:	2396809
Ion Ratio		Lower	Upper
178	100		
179	15.7	12.3	18.5
176	19.2	15.3	22.9





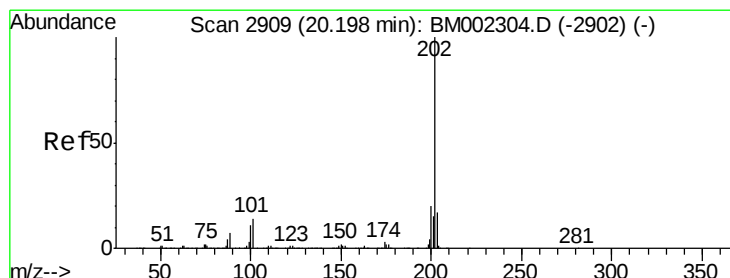
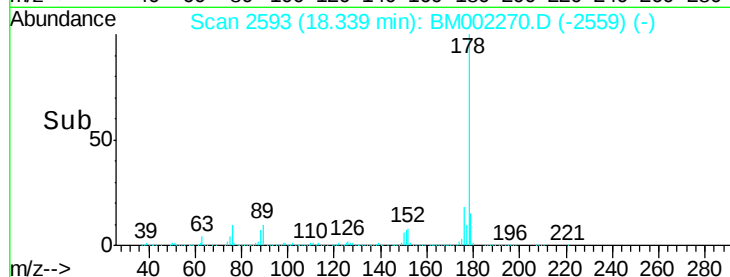
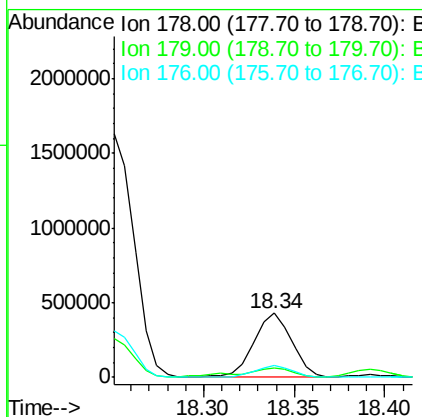
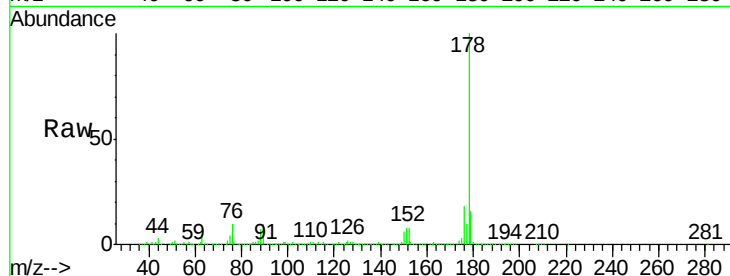
#15
 Anthracene
 Concen: 6.67 ng/ul
 RT: 18.34 min Scan# 2593
 Delta R.T. 0.00 min
 Lab File: BM002270.D
 Acq: 08 Aug 2015 10:58

Instrument :
 BNA_M
 ClientSampleId :
 D9D08

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	626185		
179	15.5	12.3	18.5	
176	18.2	14.5	21.7	

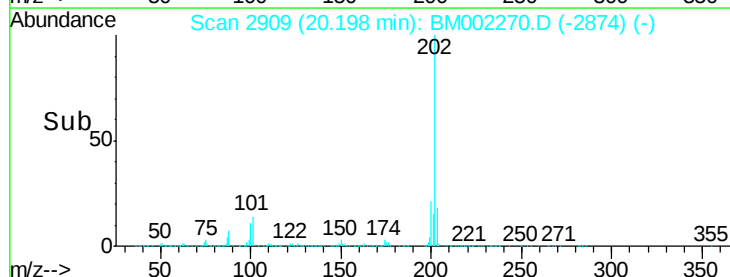
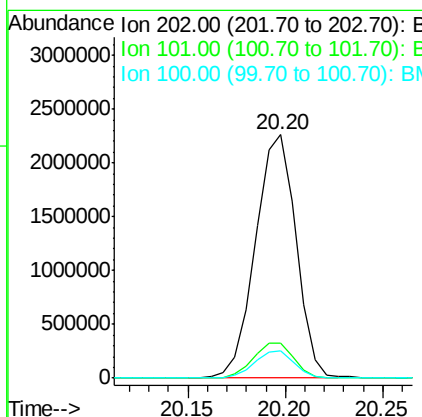
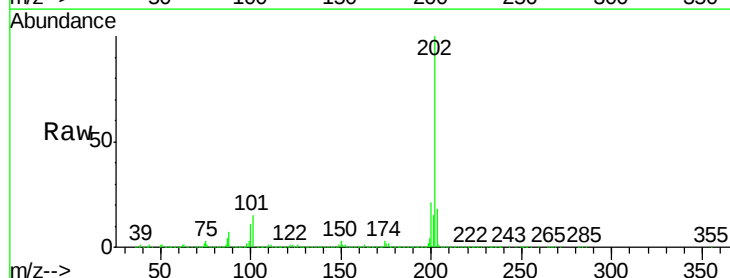
Manual Integrations
 APPROVED

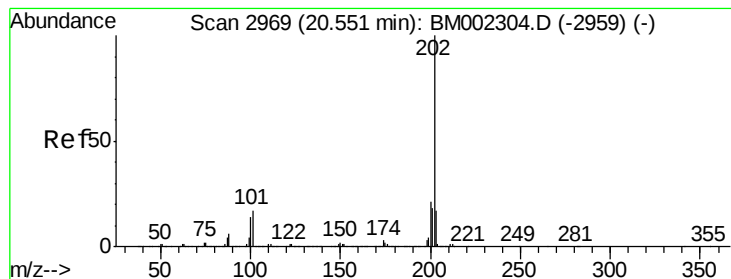
MMDadoda
 8/10/2015 7:13:24 PM



#16
 Fluoranthene
 Concen: 32.30 ng/ul
 RT: 20.20 min Scan# 2909
 Delta R.T. 0.01 min
 Lab File: BM002270.D
 Acq: 08 Aug 2015 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	3250488		
101	14.6	10.6	15.8	
100	11.2	8.2	12.4	





#19

Pyrene

Concen: 28.62 ng/ul

RT: 20.55 min Scan# 2969

Delta R.T. 0.00 min

Lab File: BM002270.D

Acq: 08 Aug 2015 10:58

Instrument :

BNA_M

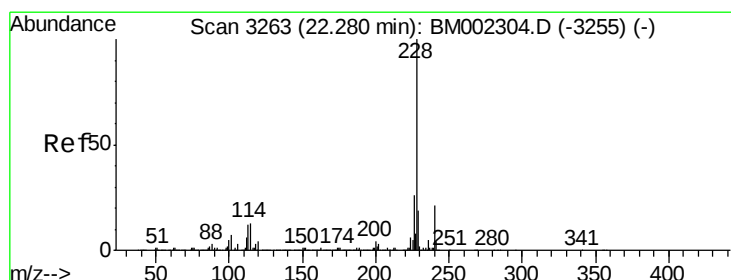
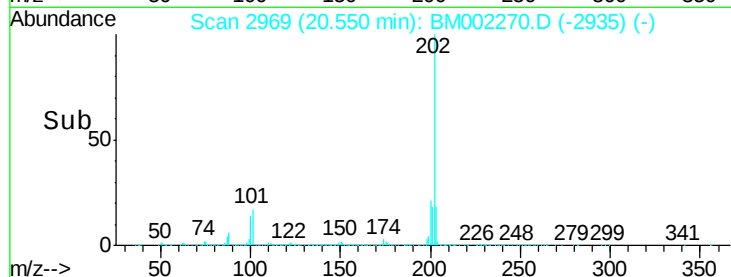
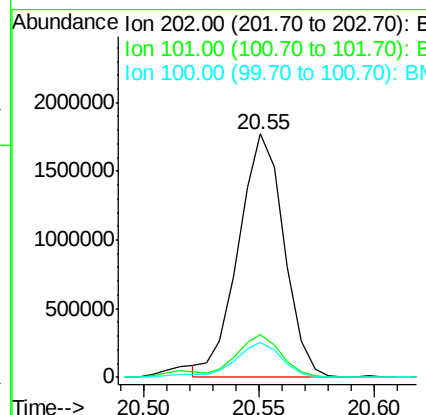
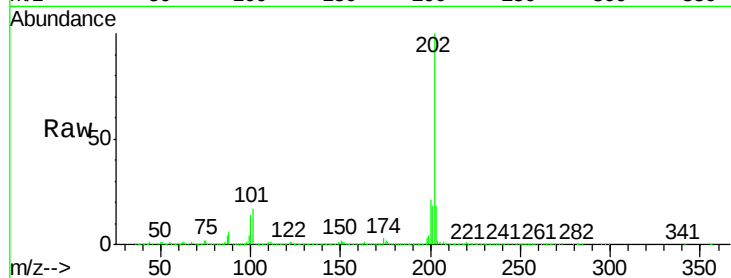
ClientSampleId :

D9D08

Tgt Ion:	202	Resp:	2420716
Ion	Ratio	Lower	Upper
202	100		
101	17.4	13.0	19.6
100	14.2	11.0	16.4

Manual Integrations
APPROVED

MMDadoda
8/10/2015 7:13:24 PM



#20

Benzo(a)anthracene

Concen: 17.33 ng/ul

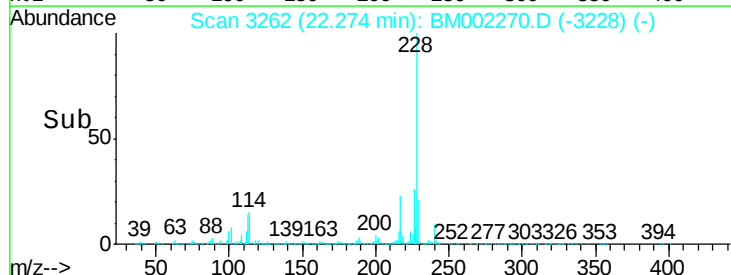
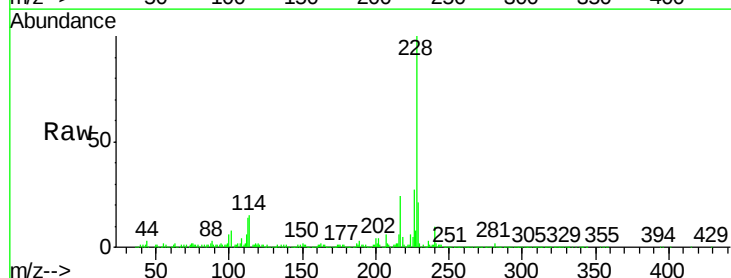
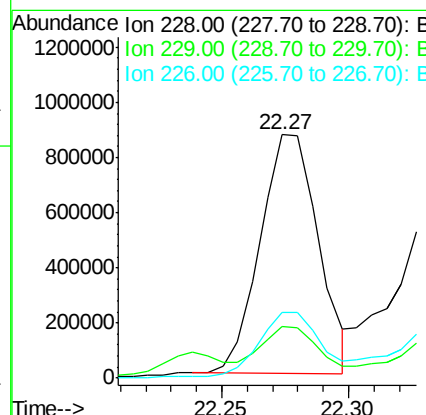
RT: 22.27 min Scan# 3262

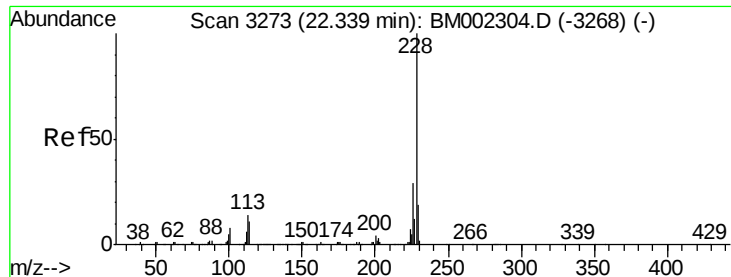
Delta R.T. 0.00 min

Lab File: BM002270.D

Acq: 08 Aug 2015 10:58

Tgt Ion:	228	Resp:	1384276
Ion	Ratio	Lower	Upper
228	100		
229	21.2	15.7	23.5
226	26.7	21.4	32.0





#21

Chrysene

Concen: 18.69 ng/ul

RT: 22.34 min Scan# 3273

Delta R.T. 0.01 min

Lab File: BM002270.D

Acq: 08 Aug 2015 10:58

Instrument :

BNA_M

ClientSampleId :

D9D08

Tgt Ion:228 Resp: 1414497

Ion Ratio Lower Upper

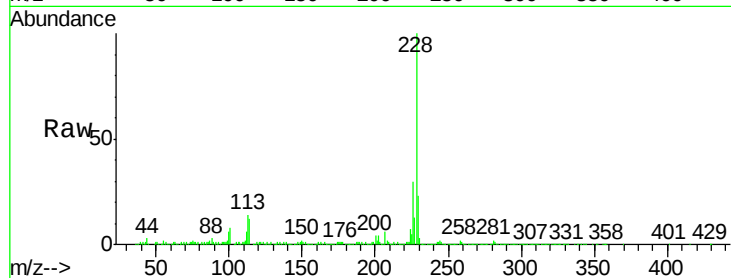
228 100

226 30.1 23.4 35.0

229 22.9 15.5 23.3

Manual Integrations
APPROVED

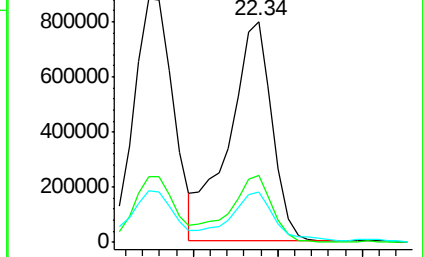
MMDadoda
8/10/2015 7:13:24 PM



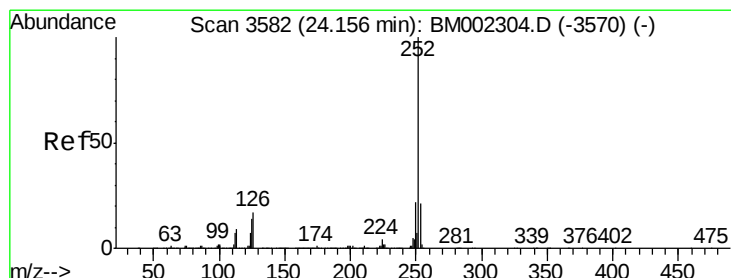
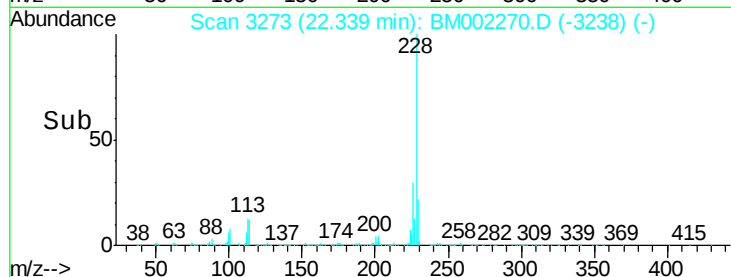
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#23

Benzo(b)fluoranthene

Concen: 27.71 ng/ul

RT: 24.16 min Scan# 3583

Delta R.T. 0.01 min

Lab File: BM002270.D

Acq: 08 Aug 2015 10:58

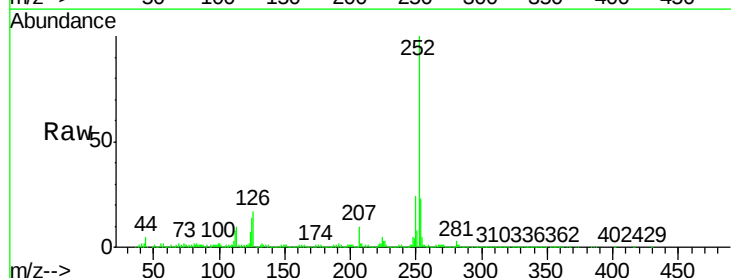
Tgt Ion:252 Resp: 1794666

Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

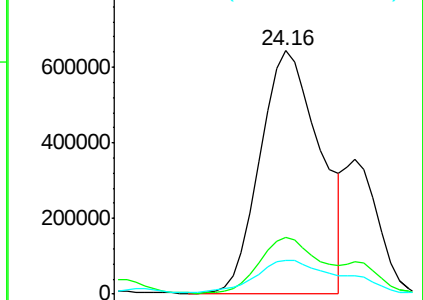
125 13.8 10.3 15.5



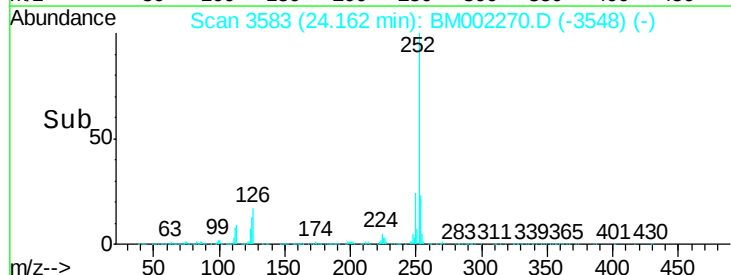
Abundance Ion 252.00 (251.70 to 252.70): E

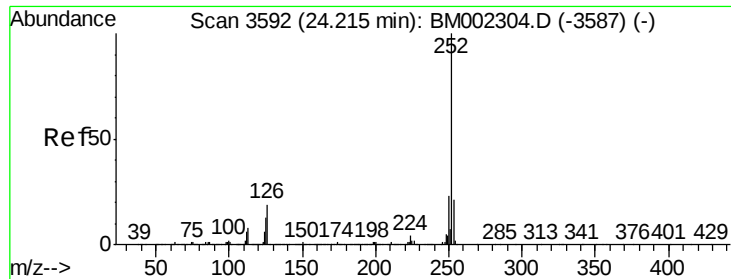
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





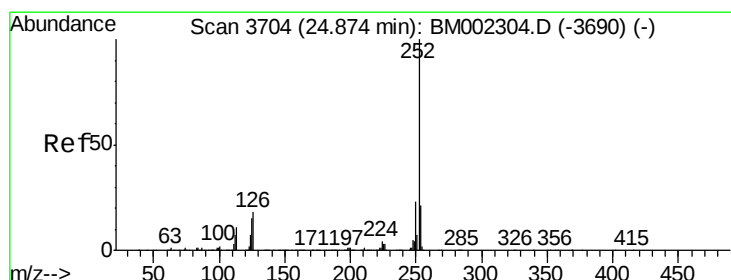
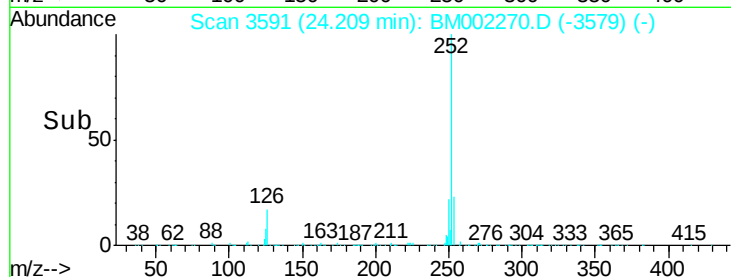
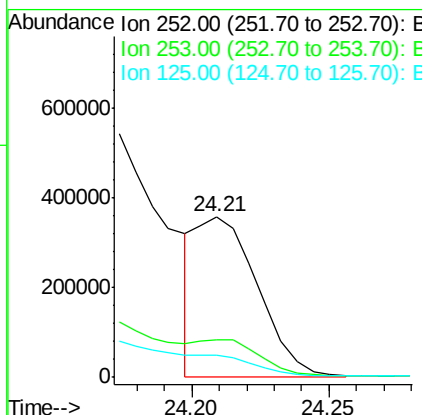
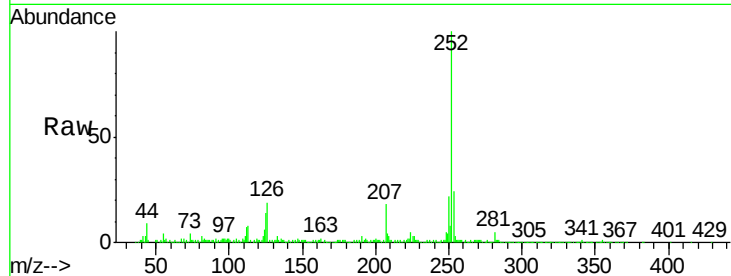
#24
Benzo(k)fluoranthene
Concen: 8.97 ng/ul m
RT: 24.21 min Scan# 3591
Delta R.T. 0.00 min
Lab File: BM002270.D
Acq: 08 Aug 2015 10:58

Instrument :
BNA_M
ClientSampleId :
D9D08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.3	25.9
125	13.6	10.2	15.4

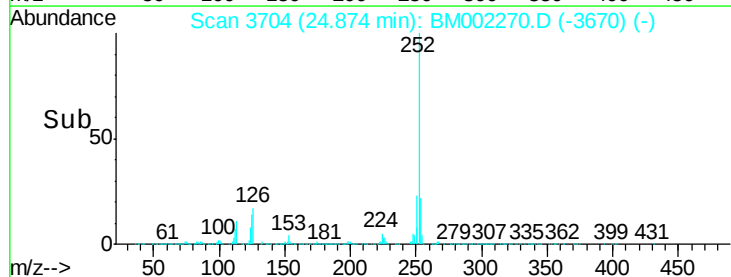
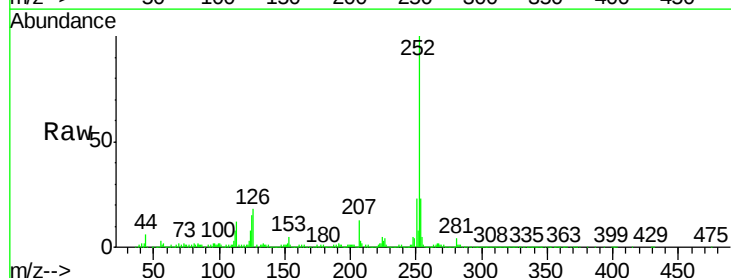
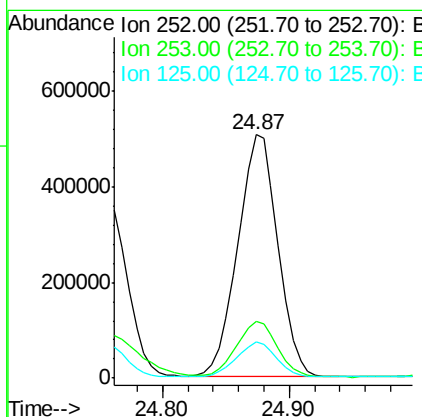
Manual Integrations
APPROVED

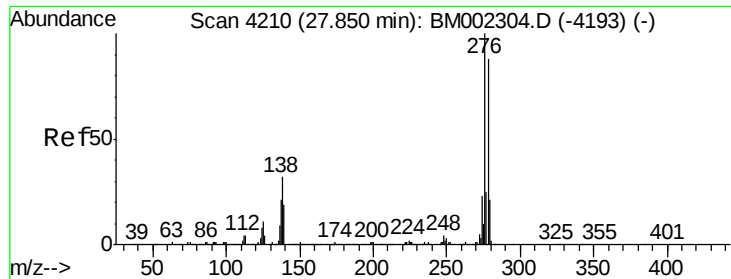
MMDadoda
8/10/2015 7:13:24 PM



#26
Benzo(a)pyrene
Concen: 17.95 ng/ul
RT: 24.87 min Scan# 3704
Delta R.T. 0.00 min
Lab File: BM002270.D
Acq: 08 Aug 2015 10:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.3	25.9
125	15.0	11.0	16.6





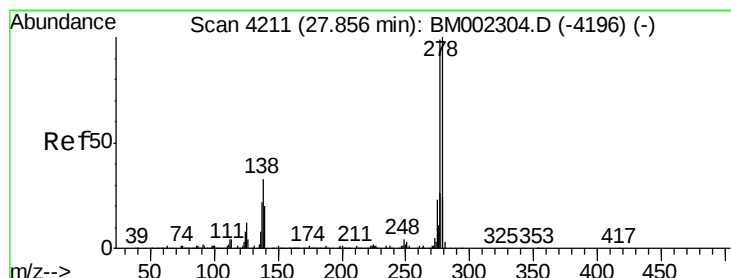
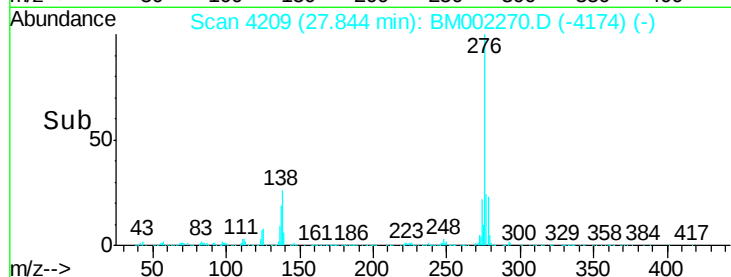
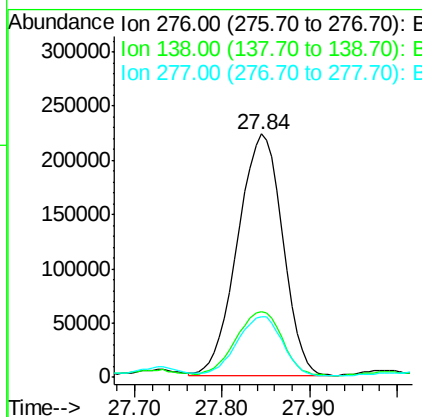
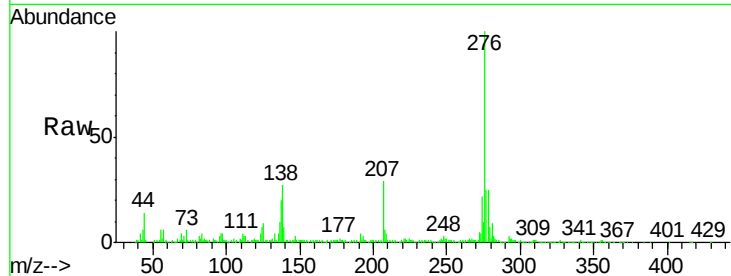
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 11.00 ng/ul
 RT: 27.84 min Scan# 4209
 Delta R.T. 0.01 min
 Lab File: BM002270.D
 Acq: 08 Aug 2015 10:58

Instrument :
 BNA_M
 ClientSampleId :
 D9D08

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.1	25.6	38.4
277	25.0	21.0	31.4

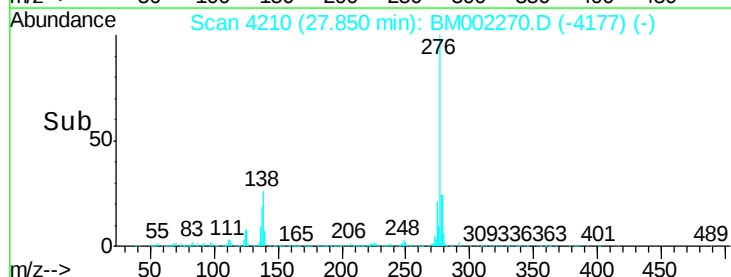
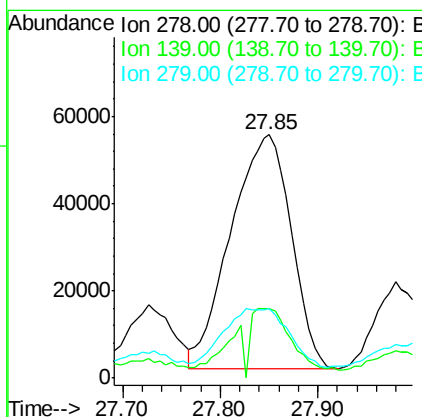
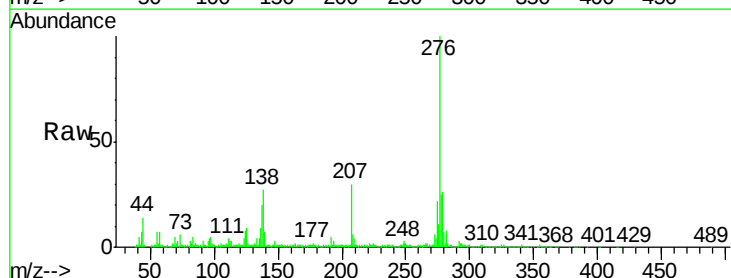
Manual Integrations
 APPROVED

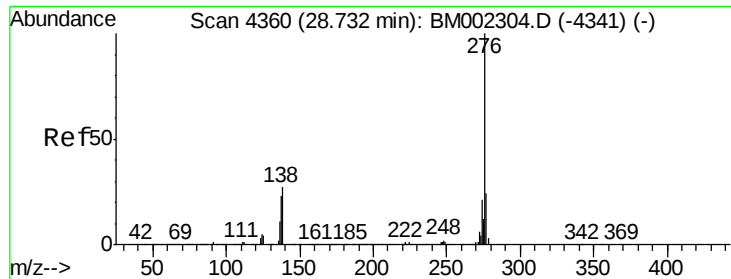
MMDadoda
 8/10/2015 7:13:24 PM



#28
 Dibenzo(a,h)anthracene
 Concen: 3.85 ng/ul
 RT: 27.85 min Scan# 4210
 Delta R.T. -0.01 min
 Lab File: BM002270.D
 Acq: 08 Aug 2015 10:58

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.5	16.4	24.6#
279	28.6	18.8	28.2#





#29
 Benzo(g,h,i)perylene
 Concen: 12.23 ng/ul
 RT: 28.73 min Scan# 4360
 Delta R.T. 0.01 min
 Lab File: BM002270.D
 Acq: 08 Aug 2015 10:58

Instrument :
 BNA_M
 ClientSampleId :
 D9D08

Tgt Ion:	276	Resp:	732817
Ion Ratio		Lower	Upper
276	100		
138	28.0	20.5	30.7
277	24.6	19.0	28.6

Manual Integrations
 APPROVED

MMDadoda
 8/10/2015 7:13:24 PM

