

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081415\
 Data File : BM002440.D
 Acq On : 16 Aug 2015 00:29
 Operator : UM/IZ
 Sample : G3194-18MS
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DB8MS

Manual Integrations
 APPROVED

MMDadoda
 8/17/2015 2:47:29 PM

Quant Time: Aug 17 07:15:59 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	207293	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	913199	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	460834	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	903252	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	611704	20.00	ng/ul	0.00
22) Perylene-d12	24.91	264	577904	20.00	ng/ul	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.16	160	1416757	30.07	ng/ul	0.00
10) Fluorene-d10	16.43	176	937331	28.32	ng/ul	0.00
14) Anthracene-d10	18.26	188	1294160	29.70	ng/ul	0.01
18) Pyrene-d10	20.48	212	1078050	39.76	ng/ul	0.01
25) Benzo(a)pyrene-d12	24.74	264	872787	28.75	ng/ul	0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	11.79	128	86593	1.86	ng/ul	100
4) 2-Methylnaphthalene	13.33	142	74499	2.13	ng/ul	98
5) 1-Methylnaphthalene	13.55	142	50936	1.47	ng/ul	98
9) Acenaphthene	15.52	153	870968	26.81	ng/ul	100
11) Fluorene	16.48	166	86100	2.31	ng/ul#	98
13) Phenanthrene	18.20	178	1384181	26.54	ng/ul	100
15) Anthracene	18.29	178	349535	6.61	ng/ul	100
16) Fluoranthene	20.15	202	1916115	32.45	ng/ul	99
19) Pyrene	20.51	202	2519696	70.31	ng/ul	100
20) Benzo(a)anthracene	22.22	228	896941	24.52	ng/ul	99
21) Chrysene	22.28	228	975960	28.53	ng/ul	97
23) Benzo(b)fluoranthene	24.09	252	1571807	44.99	ng/ul	97
24) Benzo(k)fluoranthene	24.14	252	438708m	13.25	ng/ul	
26) Benzo(a)pyrene	24.80	252	925552	27.74	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.75	276	796185	20.75	ng/ul	94
28) Dibenzo(a,h)anthracene	27.74	278	254079	7.92	ng/ul#	90
29) Benzo(g,h,i)perylene	28.64	276	733065	22.95	ng/ul	99

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

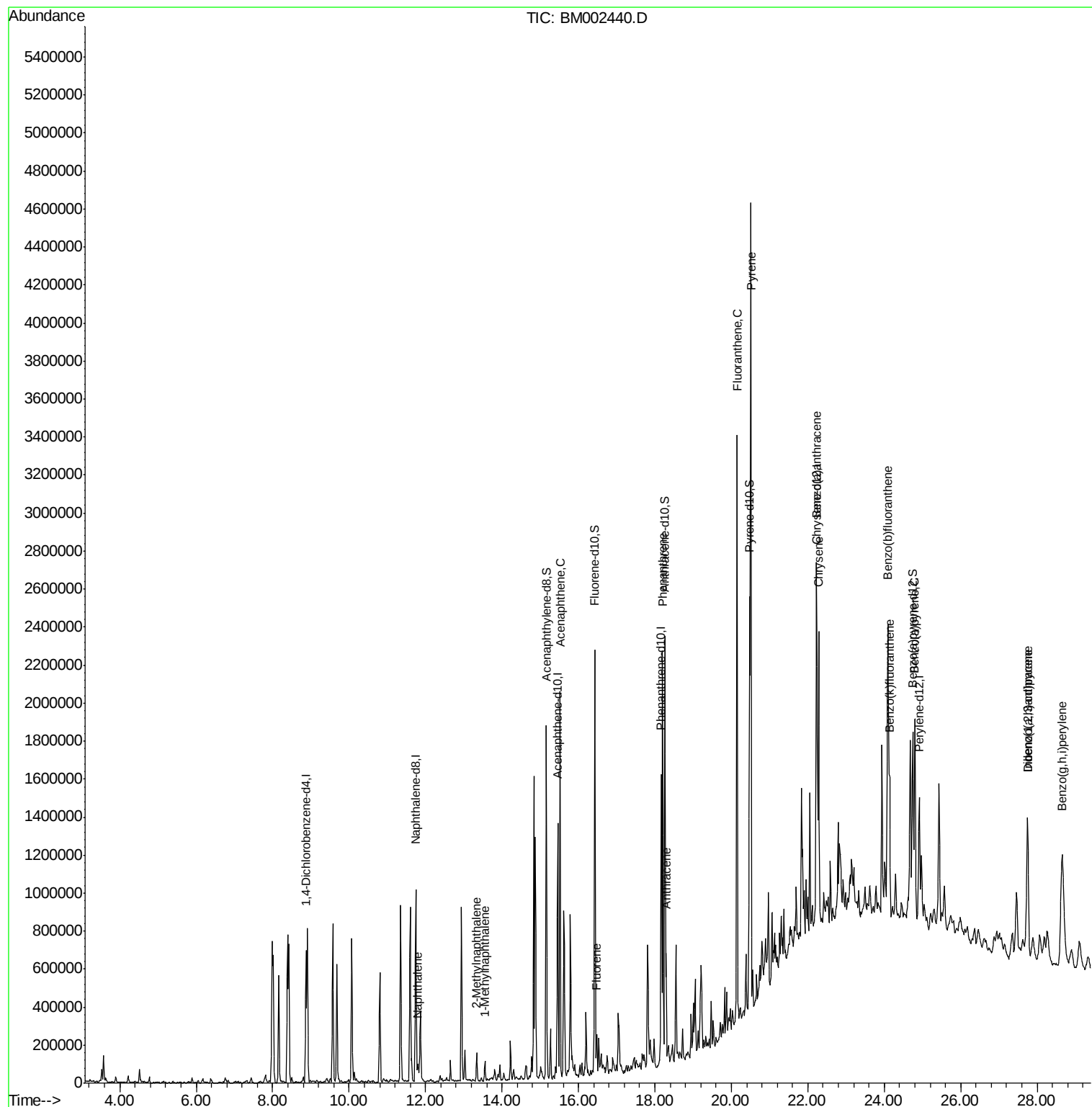
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081415\
Data File : BM002440.D
Acq On : 16 Aug 2015 00:29
Operator : UM/IZ
Sample : G3194-18MS
Misc :
ALS Vial : 46 Sample Multiplier: 1

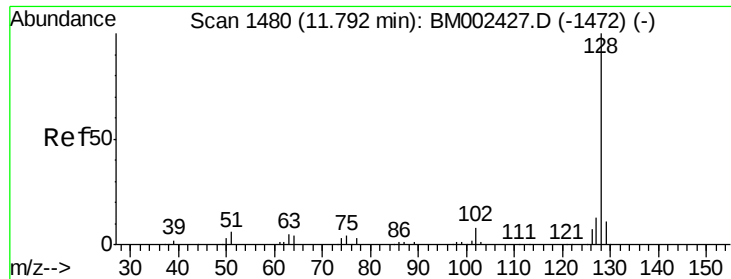
Instrument :
BNA_M
ClientSampleId :
D9DB8MS

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:47:29 PM

Quant Time: Aug 17 07:15:59 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: 1.86 ng/ul

RT: 11.79 min Scan# 1480

Delta R.T. 0.00 min

Lab File: BM002440.D

Acq: 16 Aug 2015 00:29

Instrument :

BNA_M

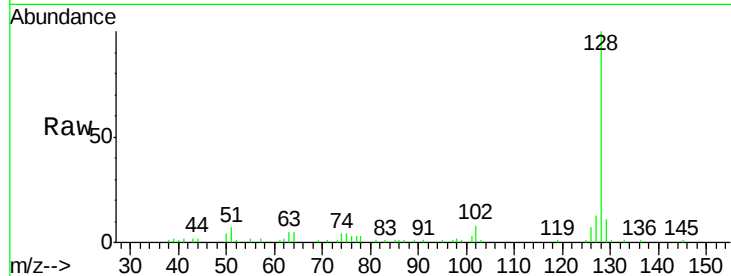
ClientSampleId :

D9DB8MS

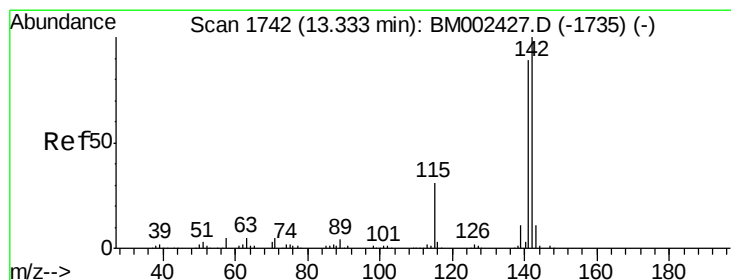
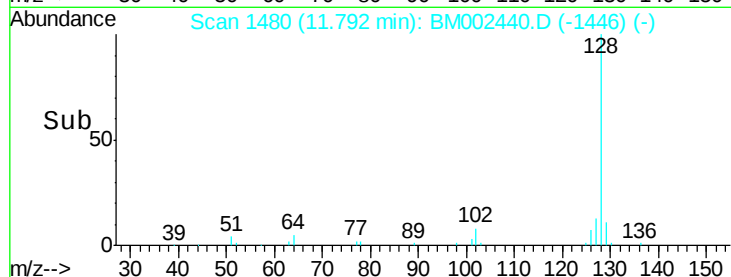
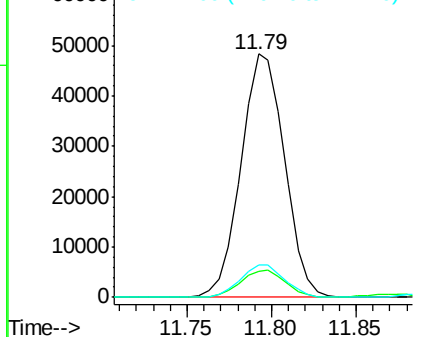
Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:47:29 PM

Tgt Ion:	128	Resp:	86593
Ion Ratio	Lower	Upper	
128	100		
129	10.5	8.6	12.8
127	13.1	10.4	15.6



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: 2.13 ng/ul

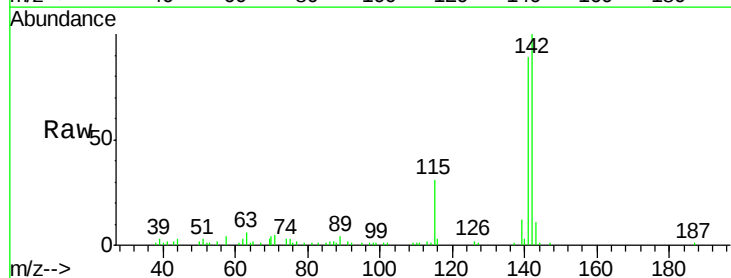
RT: 13.33 min Scan# 1742

Delta R.T. 0.00 min

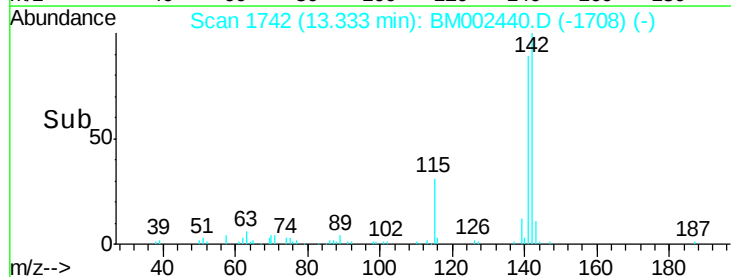
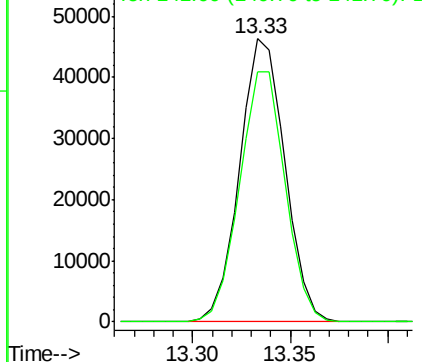
Lab File: BM002440.D

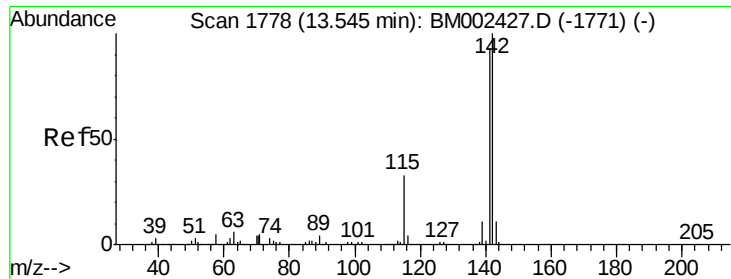
Acq: 16 Aug 2015 00:29

Tgt Ion:	142	Resp:	74499
Ion Ratio	Lower	Upper	
142	100		
141	88.6	72.2	108.2



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





#5

1-Methylnaphthalene

Concen: 1.47 ng/ul

RT: 13.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BM002440.D

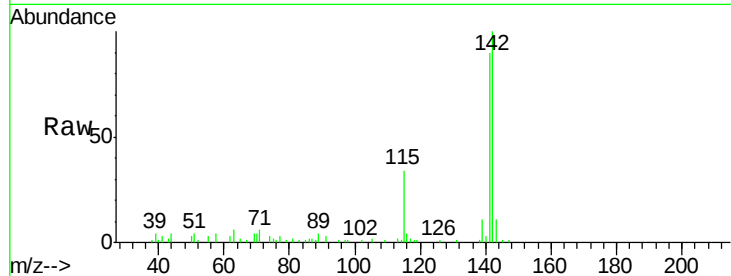
Acq: 16 Aug 2015 00:29

Instrument :

BNA_M

ClientSampleId :

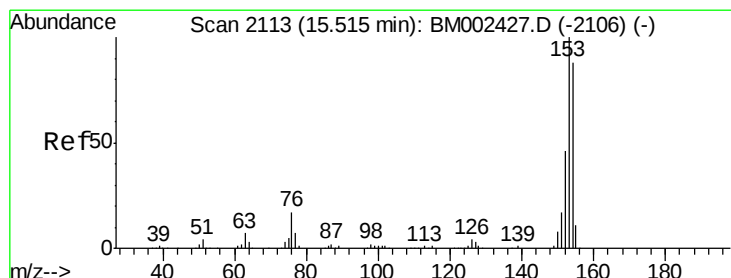
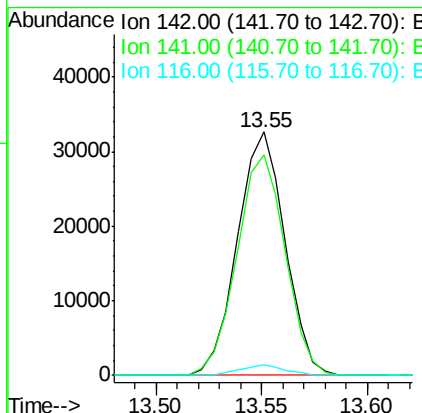
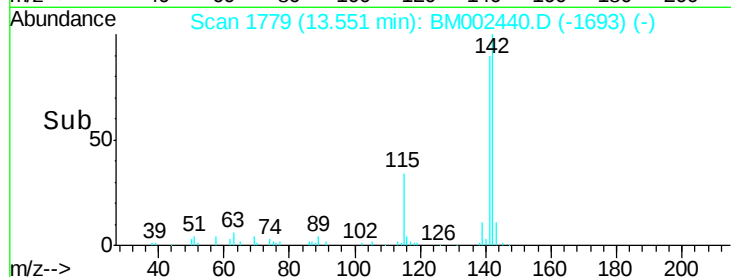
D9DB8MS



Tgt Ion:	142	Resp:	50936
Ion Ratio	Lower	Upper	
142	100		
141	90.4	73.9	110.9
116	4.2	3.0	4.4

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:47:29 PM



#9

Acenaphthene

Concen: 26.81 ng/ul

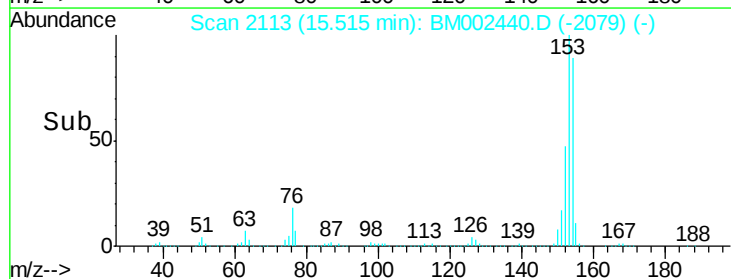
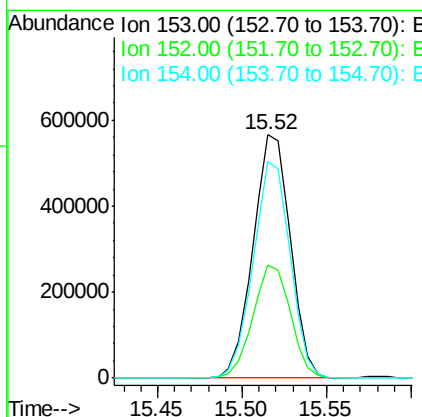
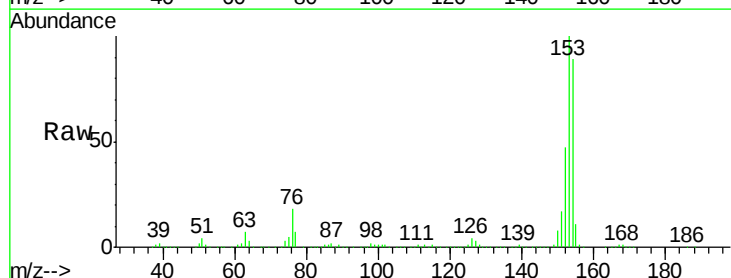
RT: 15.52 min Scan# 2113

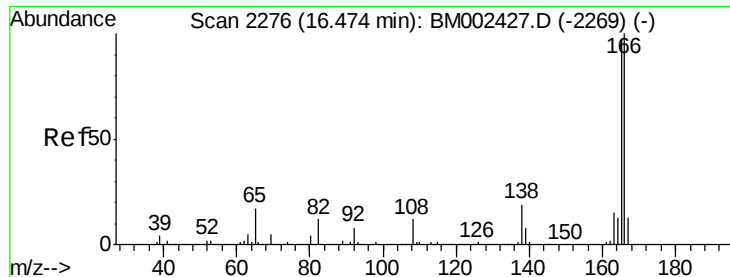
Delta R.T. 0.00 min

Lab File: BM002440.D

Acq: 16 Aug 2015 00:29

Tgt Ion:	153	Resp:	870968
Ion Ratio	Lower	Upper	
153	100		
152	46.5	36.9	55.3
154	88.8	71.3	106.9





#11

Fluorene

Concen: 2.31 ng/ul

RT: 16.48 min Scan# 2277

Delta R.T. 0.01 min

Lab File: BM002440.D

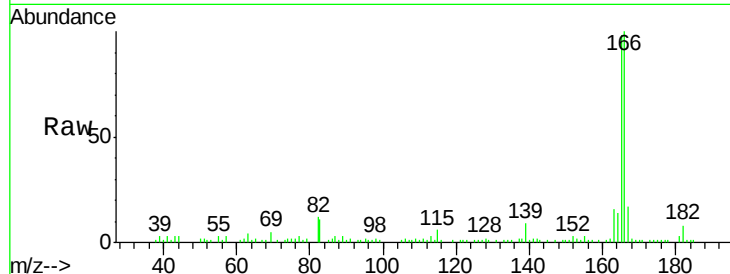
Acq: 16 Aug 2015 00:29

Instrument :

BNA_M

ClientSampleId :

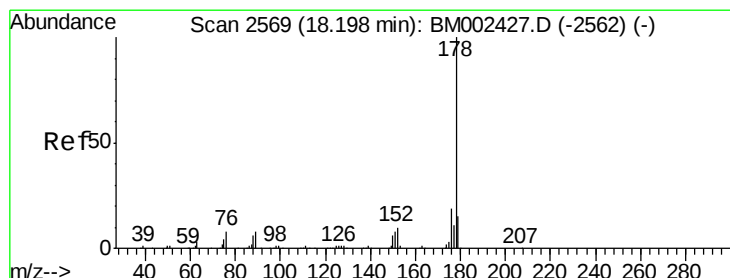
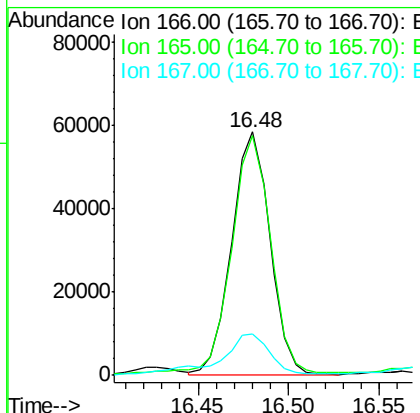
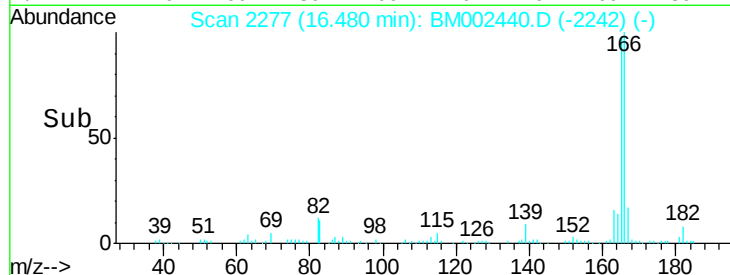
D9DB8MS



Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.4	77.6	116.4
167	17.2	10.7	16.1#

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:47:29 PM



#13

Phenanthrene

Concen: 26.54 ng/ul

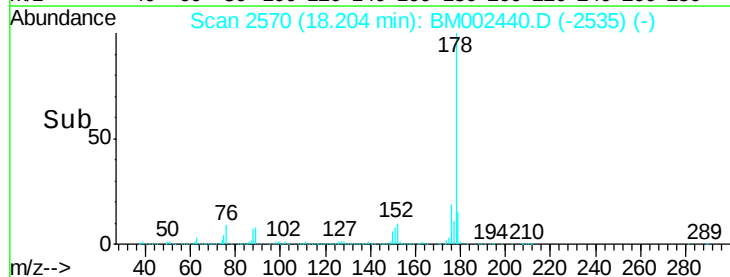
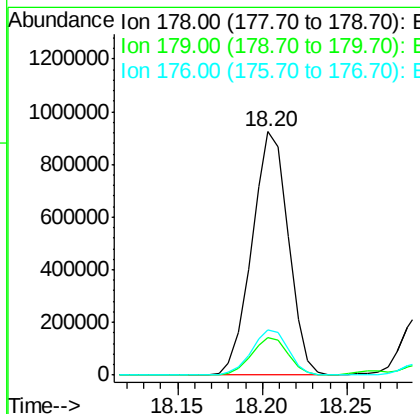
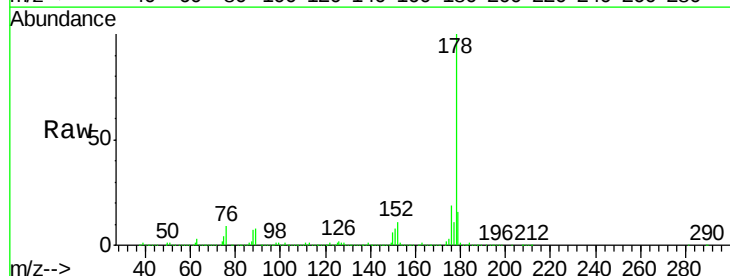
RT: 18.20 min Scan# 2570

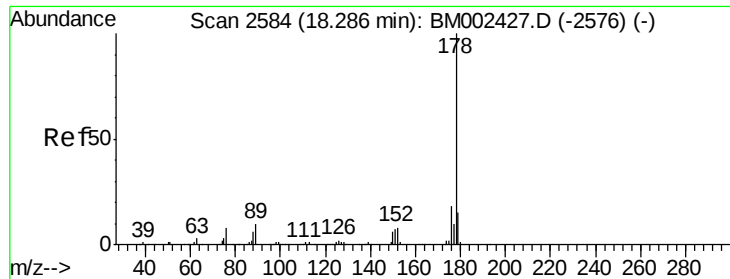
Delta R.T. 0.01 min

Lab File: BM002440.D

Acq: 16 Aug 2015 00:29

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6
176	18.7	15.1	22.7





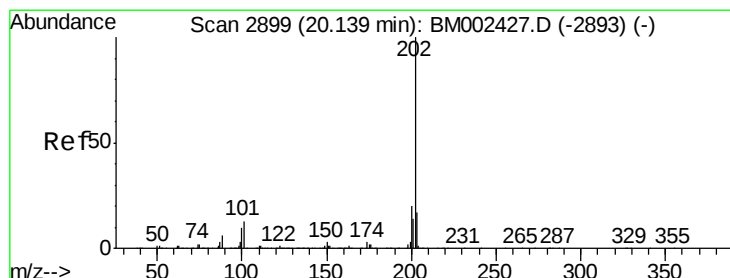
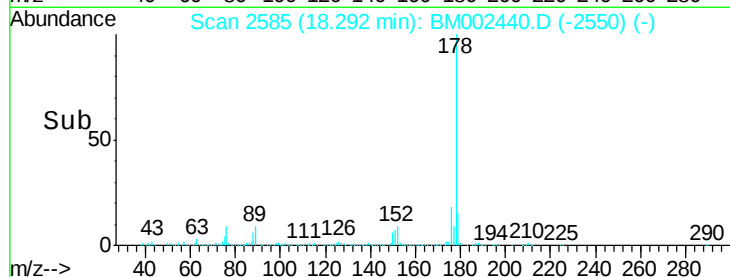
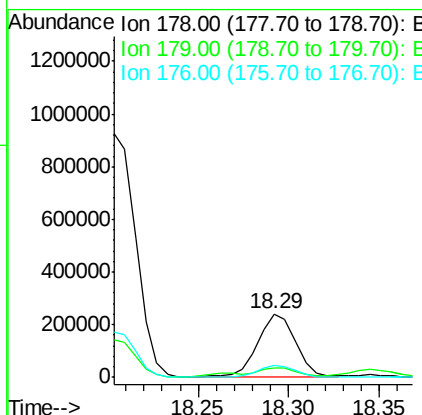
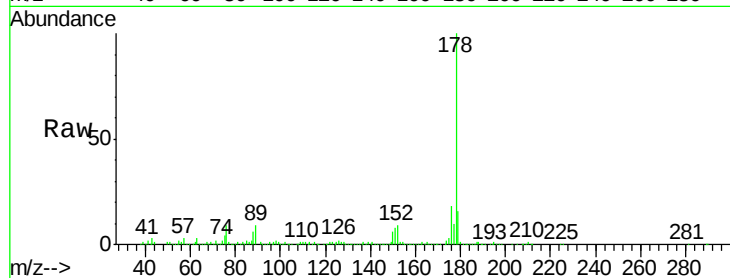
#15
 Anthracene
 Concen: 6.61 ng/ul
 RT: 18.29 min Scan# 2585
 Delta R.T. 0.01 min
 Lab File: BM002440.D
 Acq: 16 Aug 2015 00:29

Instrument :
 BNA_M
 ClientSampleId :
 D9DB8MS

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.6	18.8
176	18.1	14.5	21.7

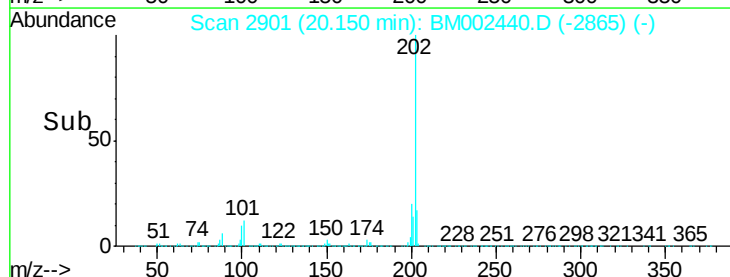
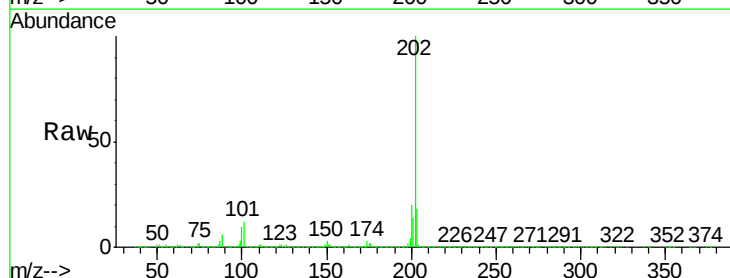
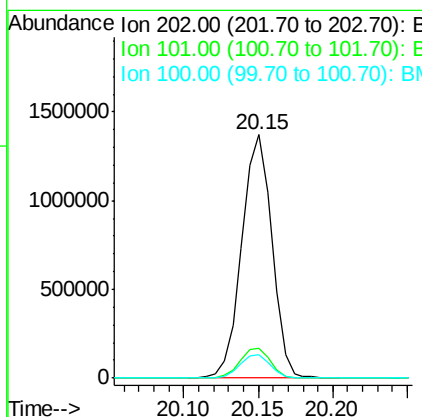
Manual Integrations
 APPROVED

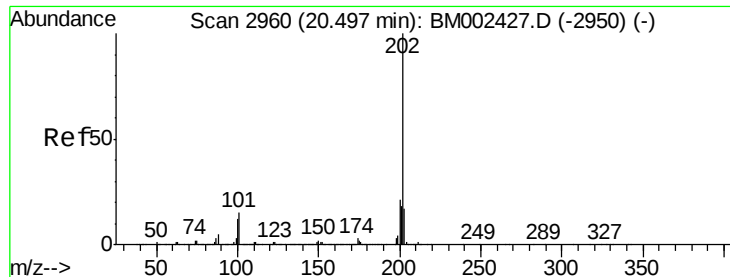
MMDadoda
 8/17/2015 2:47:29 PM



#16
 Fluoranthene
 Concen: 32.45 ng/ul
 RT: 20.15 min Scan# 2901
 Delta R.T. 0.01 min
 Lab File: BM002440.D
 Acq: 16 Aug 2015 00:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	9.7	14.5
100	9.6	7.4	11.2





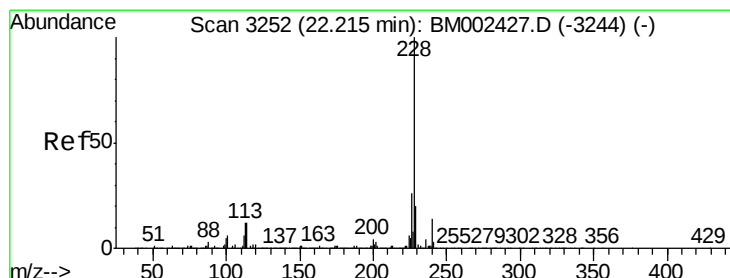
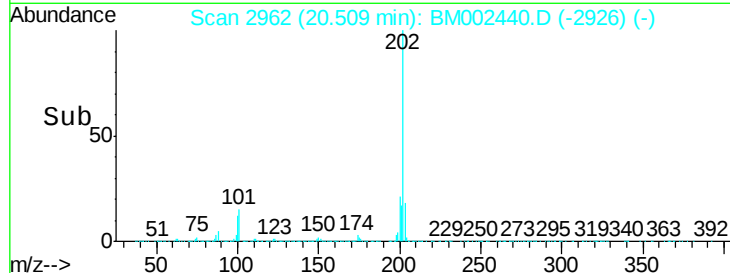
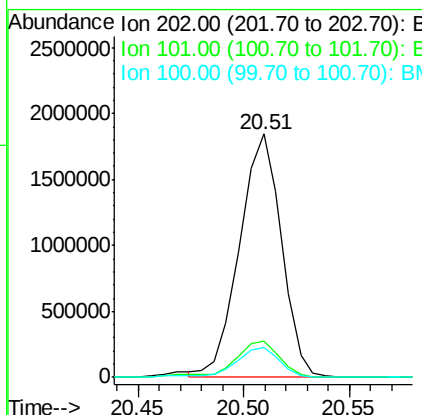
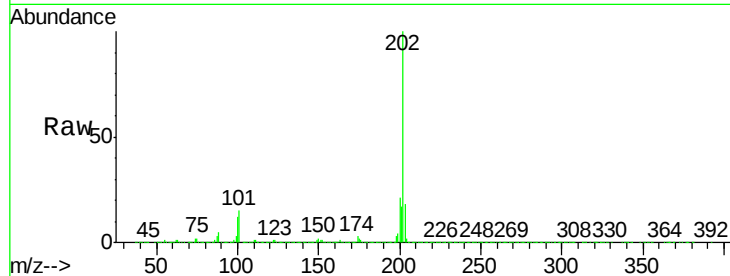
#19
 Pyrene
 Concen: 70.31 ng/ul
 RT: 20.51 min Scan# 2962
 Delta R.T. 0.01 min
 Lab File: BM002440.D
 Acq: 16 Aug 2015 00:29

Instrument :
 BNA_M
 ClientSampleId :
 D9DB8MS

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.9	12.0	18.0
100	12.2	9.7	14.5

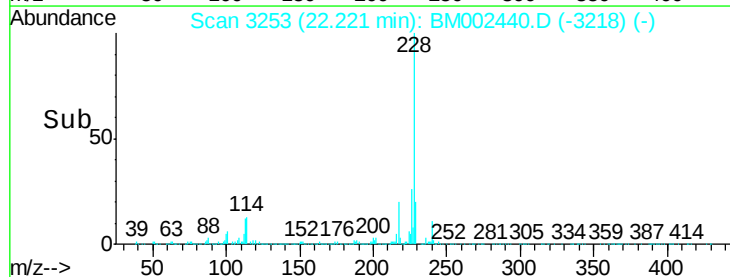
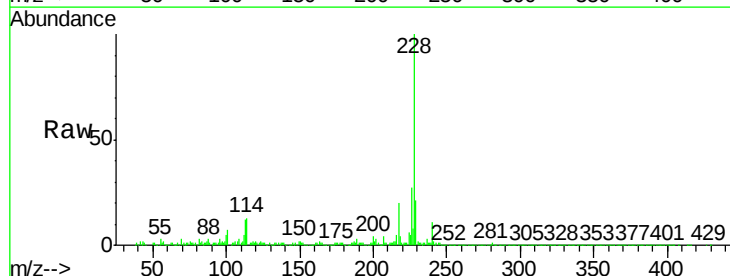
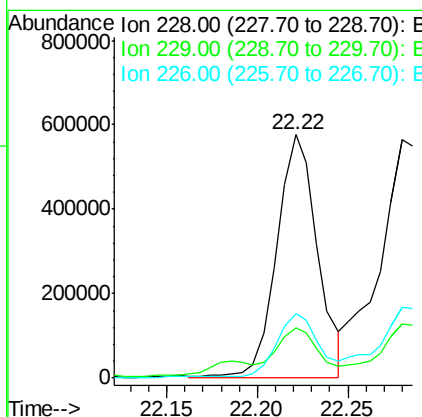
Manual Integrations
 APPROVED

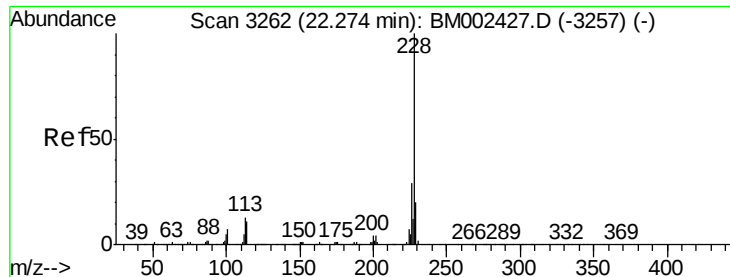
MMDadoda
 8/17/2015 2:47:29 PM



#20
 Benzo(a)anthracene
 Concen: 24.52 ng/ul
 RT: 22.22 min Scan# 3253
 Delta R.T. 0.01 min
 Lab File: BM002440.D
 Acq: 16 Aug 2015 00:29

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.8	23.6
226	26.6	21.1	31.7





#21

Chrysene

Concen: 28.53 ng/ul

RT: 22.28 min Scan# 3263

Delta R.T. 0.01 min

Lab File: BM002440.D

Acq: 16 Aug 2015 00:29

Instrument :

BNA_M

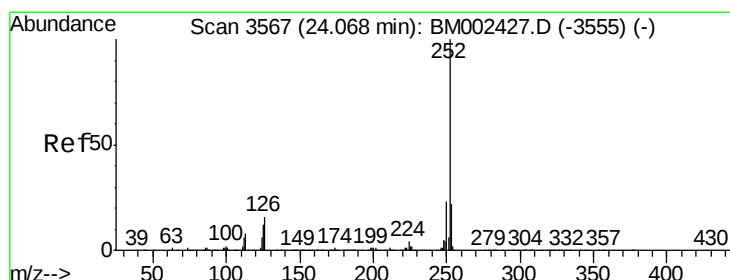
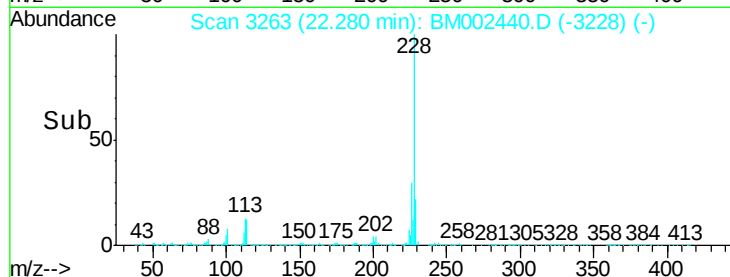
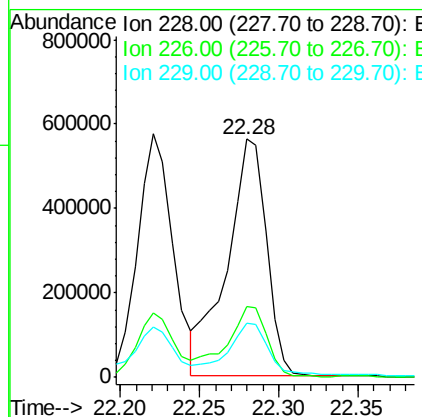
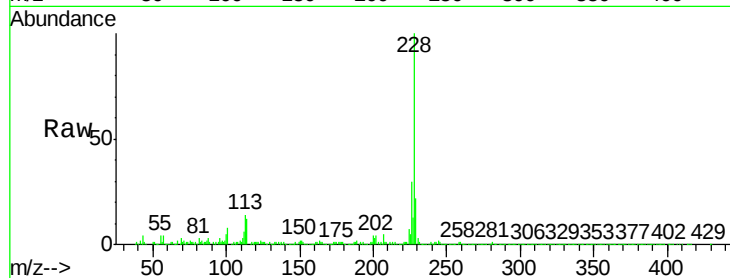
ClientSampleId :

D9DB8MS

Tgt Ion:	228	Resp:	975960
Ion Ratio	Lower	Upper	
228	100		
226	29.8	23.4	35.2
229	22.5	15.7	23.5

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:47:29 PM



#23

Benzo(b)fluoranthene

Concen: 44.99 ng/ul

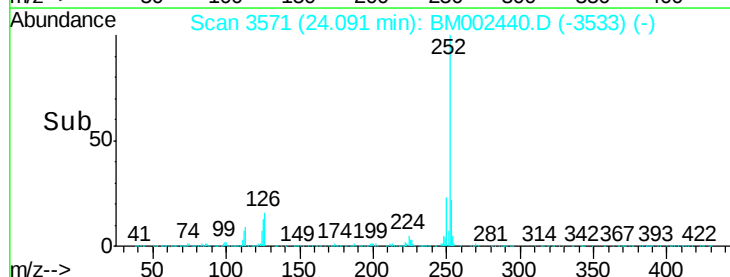
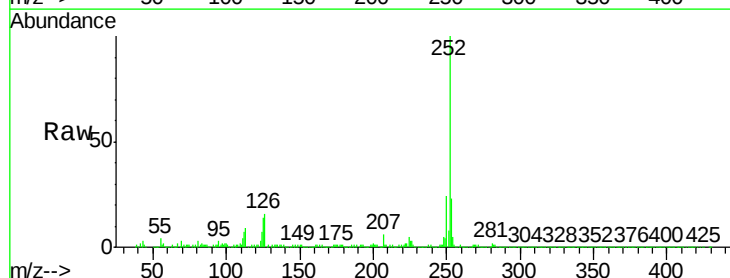
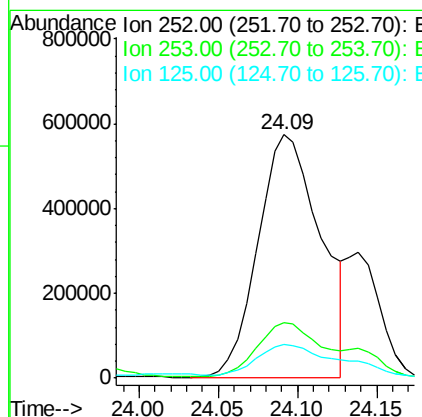
RT: 24.09 min Scan# 3571

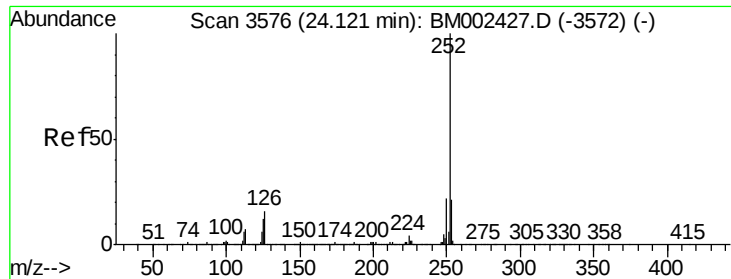
Delta R.T. 0.02 min

Lab File: BM002440.D

Acq: 16 Aug 2015 00:29

Tgt Ion:	252	Resp:	1571807
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.4	26.0
125	13.8	10.0	15.0





#24

Benzo(k)fluoranthene

Concen: 13.25 ng/ul m

RT: 24.14 min Scan# 3579

Delta R.T. 0.02 min

Lab File: BM002440.D

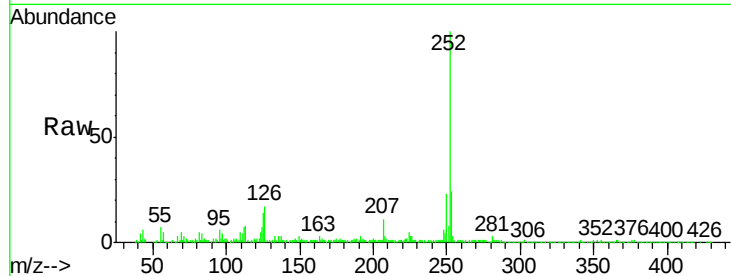
Acq: 16 Aug 2015 00:29

Instrument :

BNA_M

ClientSampleId :

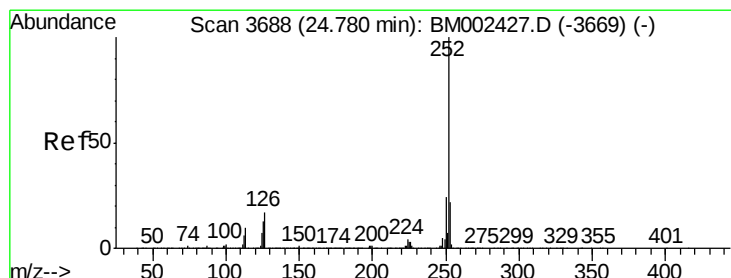
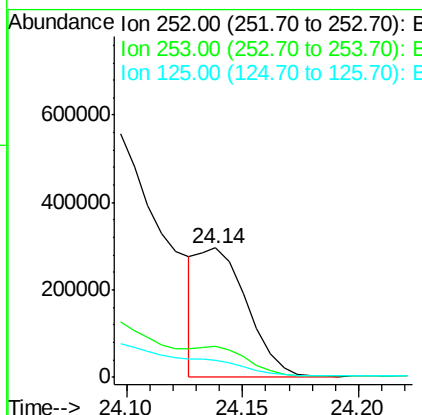
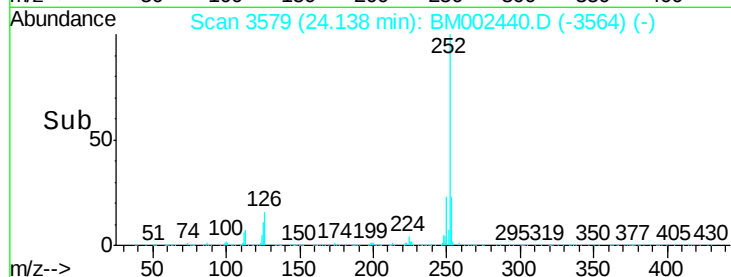
D9DB8MS



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	13.6	9.8	14.8

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:47:29 PM



#26

Benzo(a)pyrene

Concen: 27.74 ng/ul

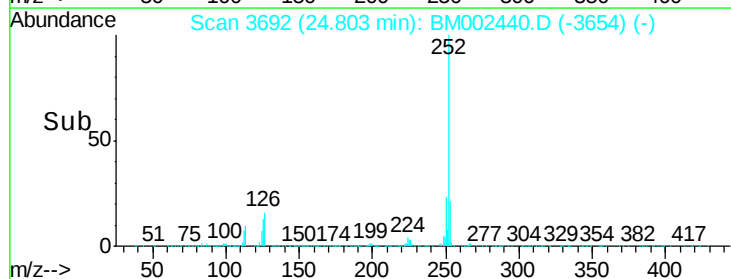
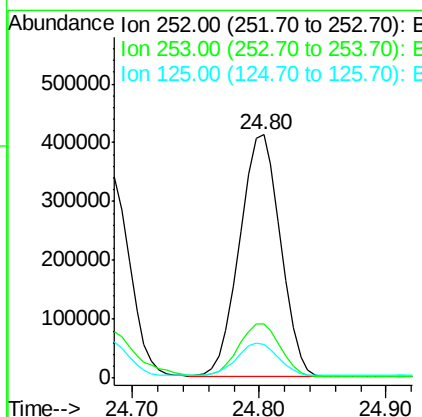
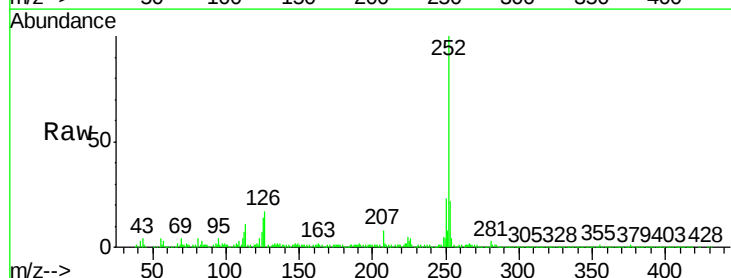
RT: 24.80 min Scan# 3692

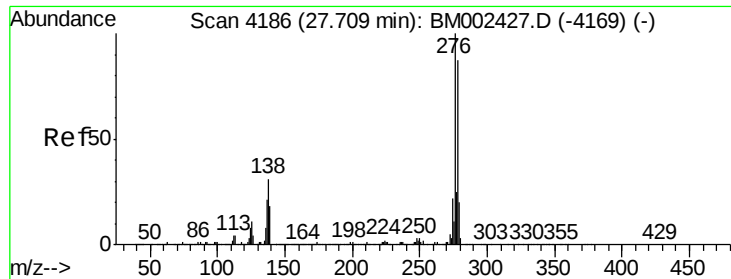
Delta R.T. 0.02 min

Lab File: BM002440.D

Acq: 16 Aug 2015 00:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	13.9	10.7	16.1





#27

Indeno(1,2,3-cd)pyrene

Concen: 20.75 ng/ul

RT: 27.75 min Scan# 4193

Delta R.T. 0.04 min

Lab File: BM002440.D

Acq: 16 Aug 2015 00:29

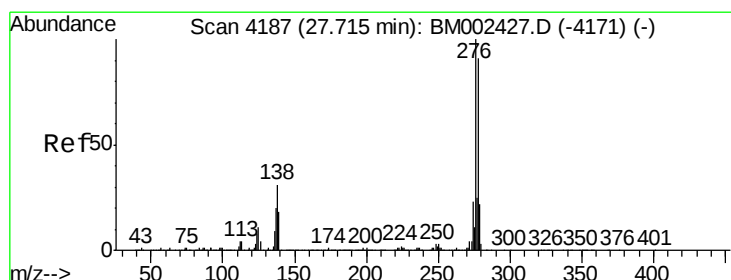
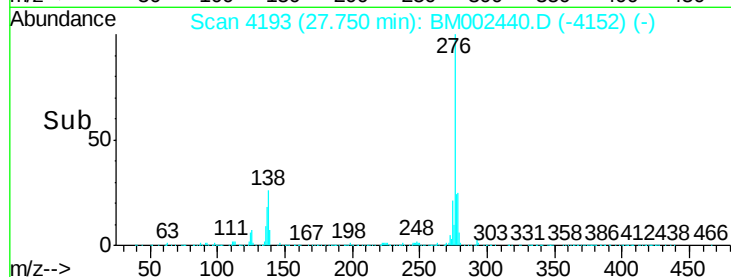
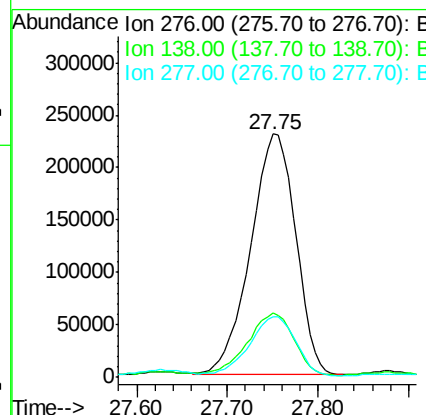
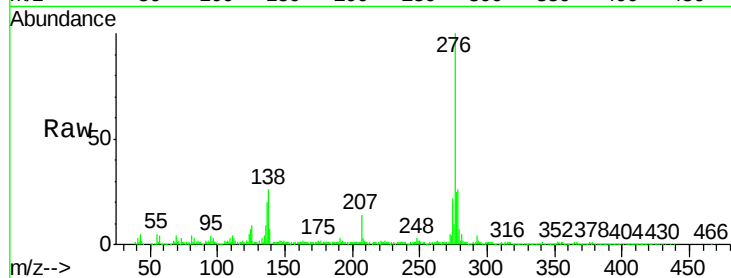
Instrument :
BNA_M

ClientSampleId :
D9DB8MS

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.3	25.3	37.9
277	24.8	20.2	30.2

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:47:29 PM



#28

Dibenzo(a,h)anthracene

Concen: 7.92 ng/ul

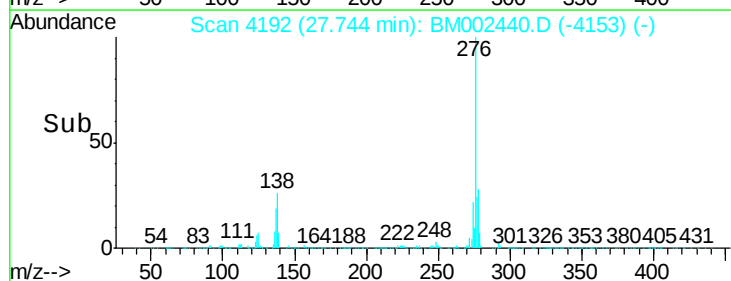
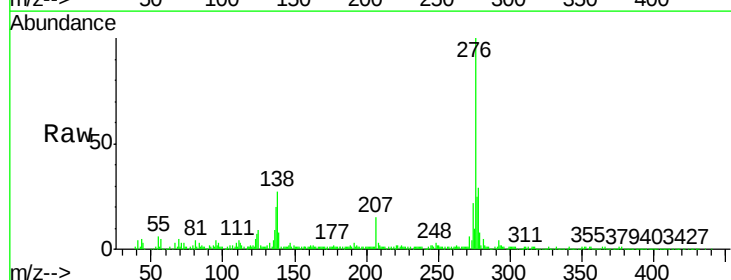
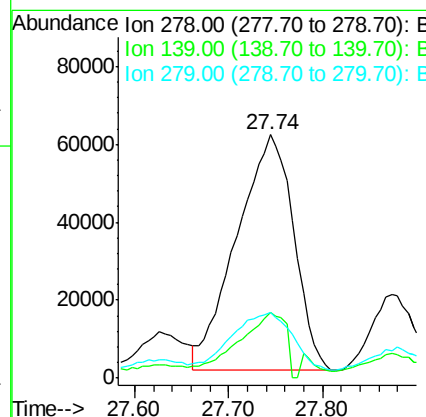
RT: 27.74 min Scan# 4192

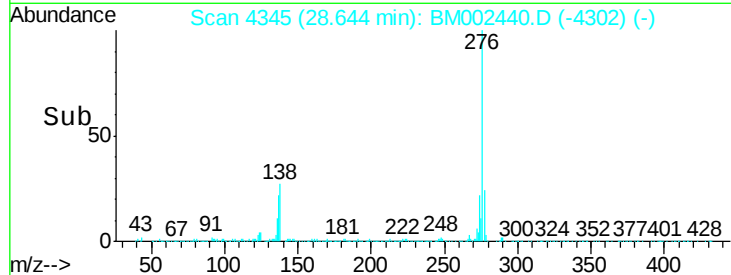
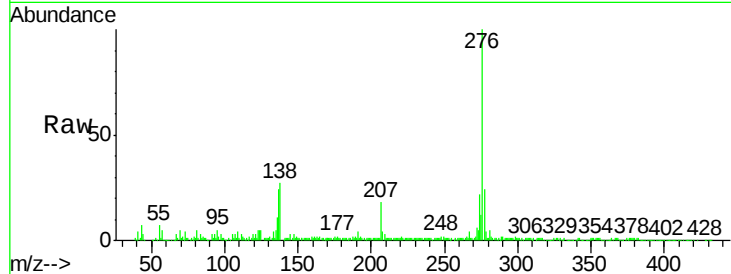
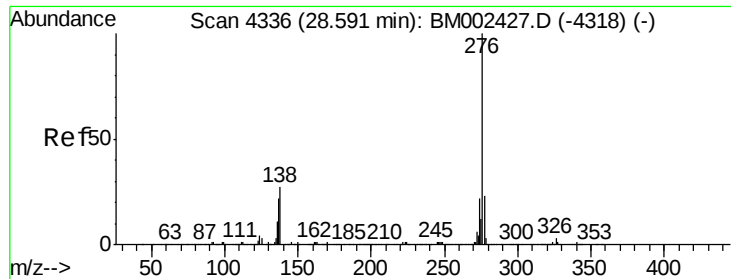
Delta R.T. 0.03 min

Lab File: BM002440.D

Acq: 16 Aug 2015 00:29

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.0	16.5	24.7#
279	26.8	18.8	28.2





#29

Benzo(g,h,i)perylene

Concen: 22.95 ng/ul

RT: 28.64 min Scan# 4345

Delta R.T. 0.05 min

Lab File: BM002440.D

Acq: 16 Aug 2015 00:29

Tgt Ion:	276	Resp:	733065
Ion Ratio	Lower	Upper	
276	100		
138	27.2	21.0	31.6
277	24.5	19.2	28.8

Instrument :

BNA_M

ClientSampleId :

D9DB8MS

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:47:29 PM

