

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081415\
 Data File : BM002434.D
 Acq On : 15 Aug 2015 20:50
 Operator : UM/IZ
 Sample : G3219-13MSD
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DA4MSD

Manual Integrations
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 8/17/2015 2:46:49 PM

Quant Time: Aug 17 06:04:33 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	152037	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	715896	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	372164	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	675965	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	435964	20.00	ng/ul	0.01
22) Perylene-d12	24.92	264	480208m	20.00	ng/ul	0.02
System Monitoring Compounds						
7) Acenaphthylene-d8	15.16	160	1029607	27.06	ng/ul	0.00
10) Fluorene-d10	16.43	176	672668	25.17	ng/ul	0.00
14) Anthracene-d10	18.26	188	864310	26.51	ng/ul	0.00
18) Pyrene-d10	20.47	212	668712	34.60	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.75	264	576576m	22.86	ng/ul	0.03
Target Compounds						
3) Naphthalene	11.79	128	39630	1.08	ng/ul	Qvalue 97
4) 2-Methylnaphthalene	13.33	142	29999	1.10	ng/ul	96
9) Acenaphthene	15.52	153	705841	26.91	ng/ul	100
13) Phenanthrene	18.20	178	508068	13.02	ng/ul	100
15) Anthracene	18.29	178	102051	2.58	ng/ul	99
16) Fluoranthene	20.15	202	1877291	42.48	ng/ul	99
19) Pyrene	20.51	202	2639908	103.36	ng/ul	100
20) Benzo(a)anthracene	22.23	228	2161980	82.93	ng/ul	98
21) Chrysene	22.29	228	2746077	112.62	ng/ul	97
23) Benzo(b)fluoranthene	24.11	252	5762241m	198.49	ng/ul	
24) Benzo(k)fluoranthene	24.15	252	1896786m	68.95	ng/ul	
26) Benzo(a)pyrene	24.82	252	3748033m	135.17	ng/ul	
27) Indeno(1,2,3-cd)pyrene	27.80	276	3566856m	111.85	ng/ul	
28) Dibenzo(a,h)anthracene	27.79	278	1217305m	45.67	ng/ul	
29) Benzo(g,h,i)perylene	28.70	276	3288319m	123.88	ng/ul	

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

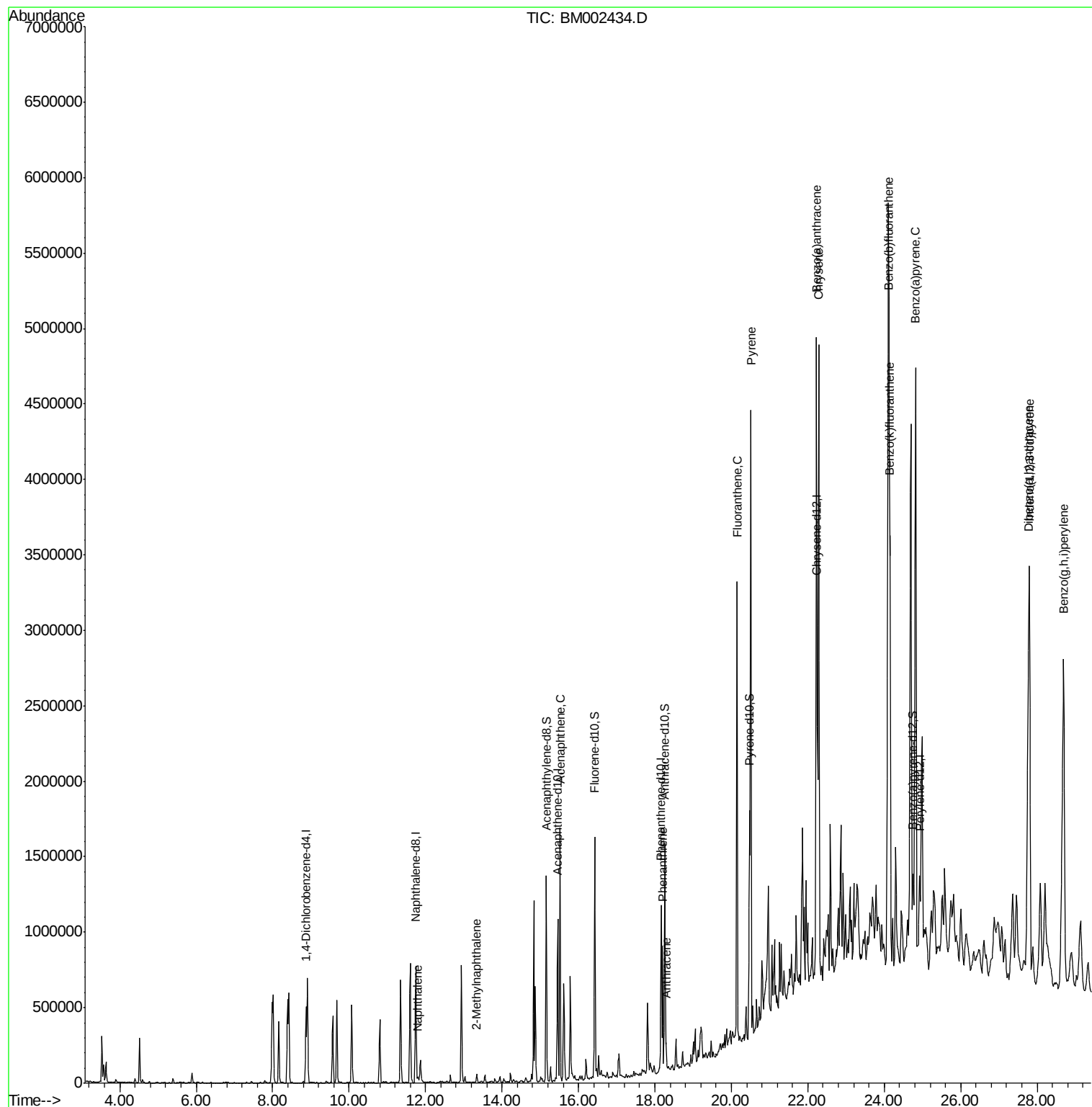
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081415\
Data File : BM002434.D
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ALS Vial : 40 Sample Multiplier: 1

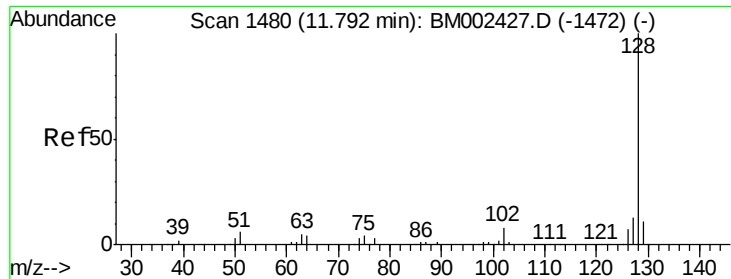
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Quant Time: Aug 17 06:04:33 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 17 05:12:59 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 1.08 ng/ul

RT: 11.79 min Scan# 1480

Delta R.T. -0.00 min

Lab File: BM002434.D

Acq: 15 Aug 2015 20:50

Instrument :

BNA_M

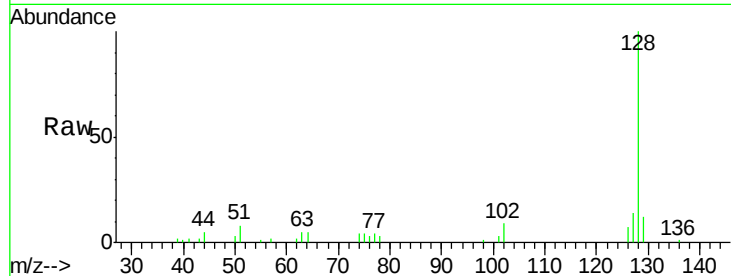
ClientSampleId :

D9DA4MSD

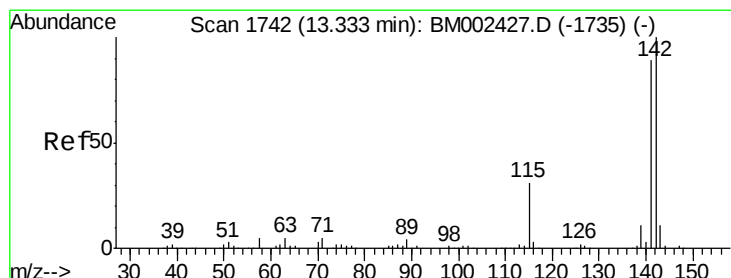
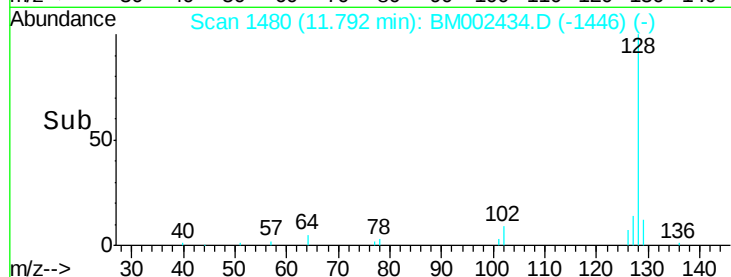
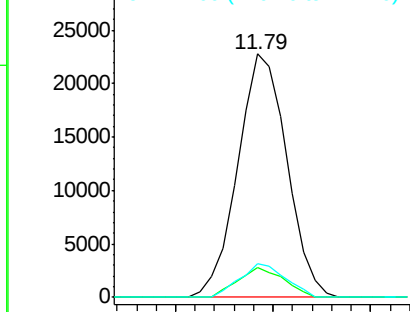
Tgt Ion:	128	Resp:	39630
Ion Ratio		Lower	Upper
128	100		
129	12.2	8.6	12.8
127	13.6	10.4	15.6

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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: 1.10 ng/ul

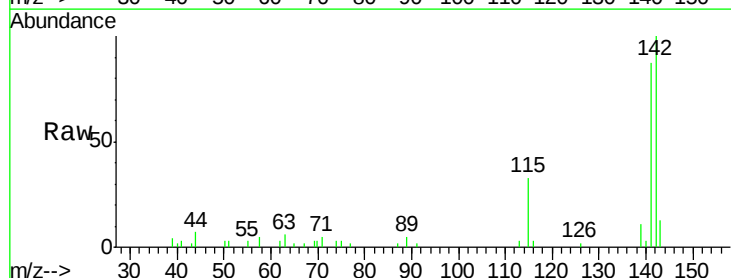
RT: 13.33 min Scan# 1742

Delta R.T. -0.00 min

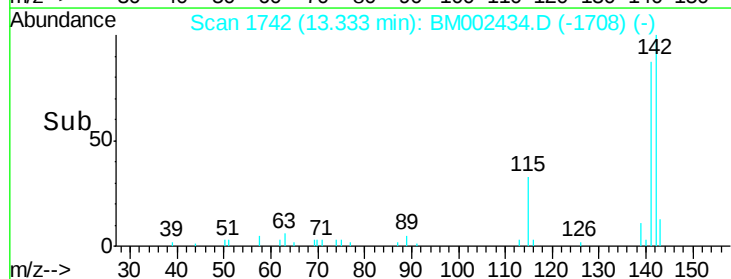
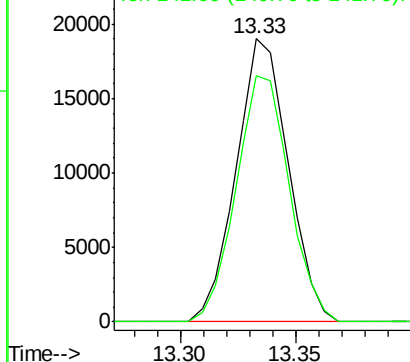
Lab File: BM002434.D

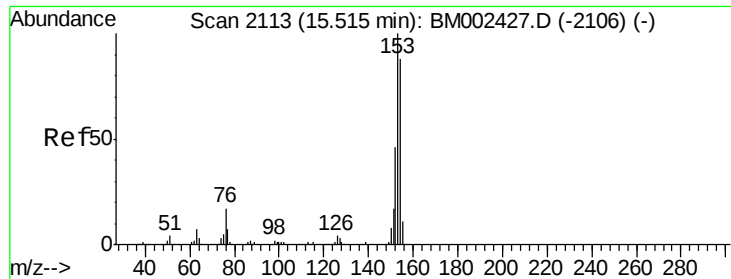
Acq: 15 Aug 2015 20:50

Tgt Ion:	142	Resp:	29999
Ion Ratio		Lower	Upper
142	100		
141	86.9	72.2	108.2



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





#9

Acenaphthene

Concen: 26.91 ng/ul

RT: 15.52 min Scan# 2113

Delta R.T. -0.00 min

Lab File: BM002434.D

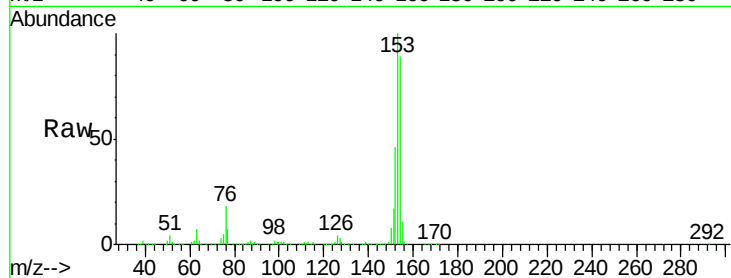
Acq: 15 Aug 2015 20:50

Instrument :

BNA_M

ClientSampleId :

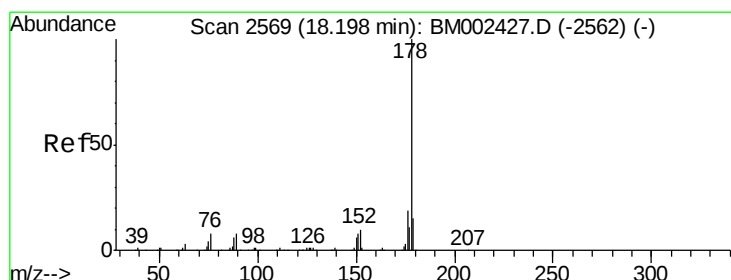
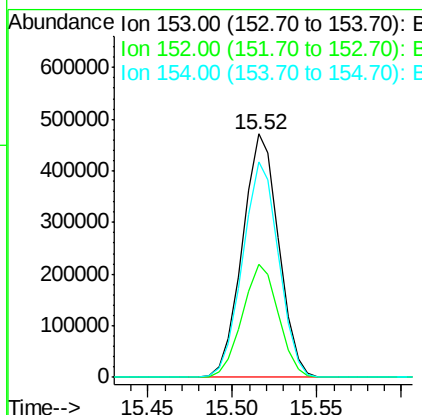
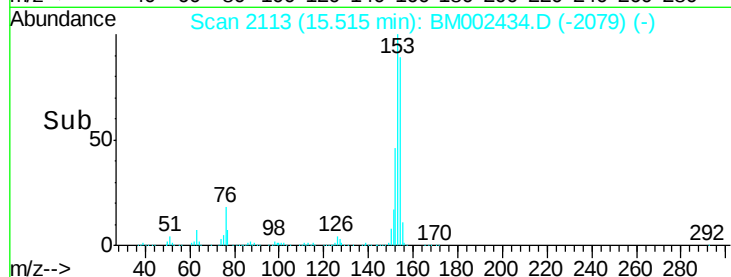
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Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.2	36.9	55.3
154	88.7	71.3	106.9

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#13

Phenanthrene

Concen: 13.02 ng/ul

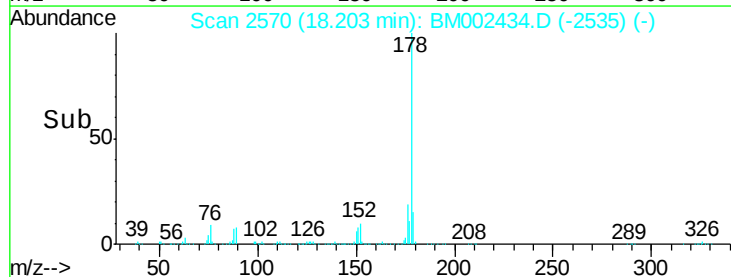
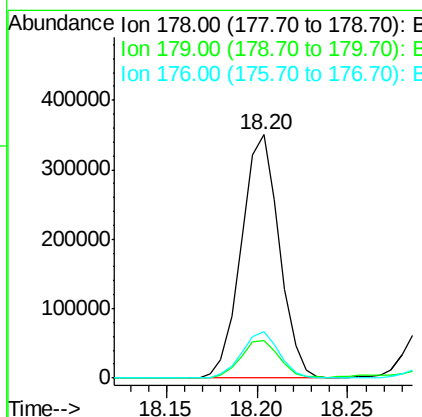
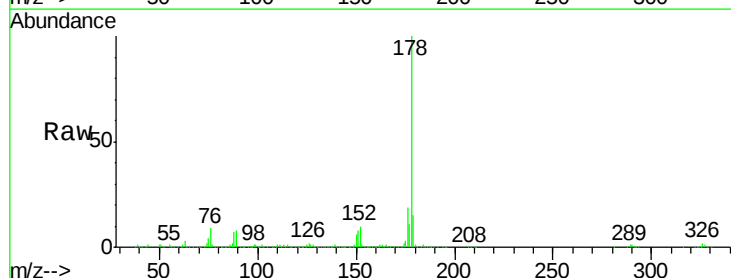
RT: 18.20 min Scan# 2570

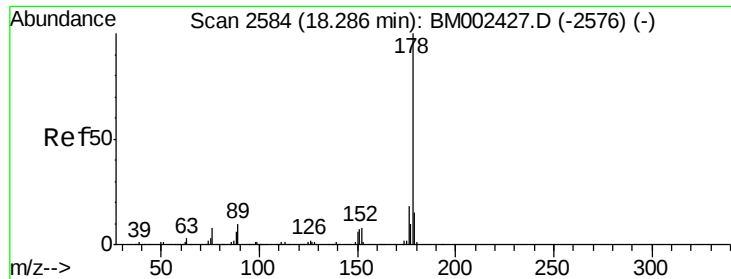
Delta R.T. 0.01 min

Lab File: BM002434.D

Acq: 15 Aug 2015 20:50

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.4	18.6
176	18.9	15.1	22.7





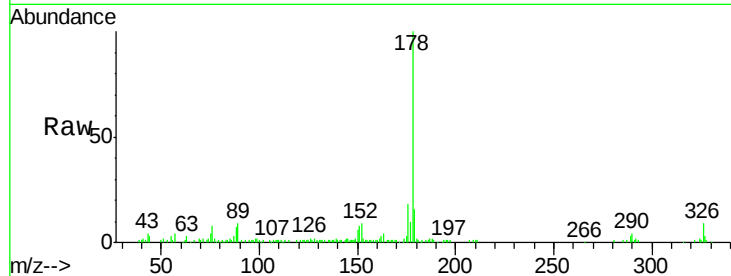
#15
 Anthracene
 Concen: 2.58 ng/ul
 RT: 18.29 min Scan# 2585
 Delta R.T. 0.01 min
 Lab File: BM002434.D
 Acq: 15 Aug 2015 20:50

Instrument :
 BNA_M
 ClientSampleId :
 D9DA4MSD

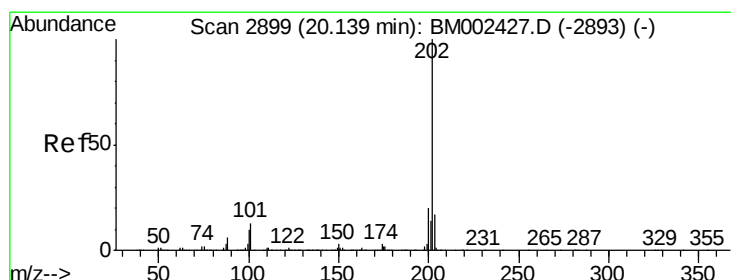
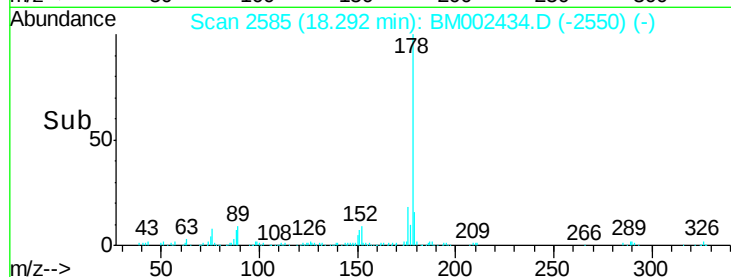
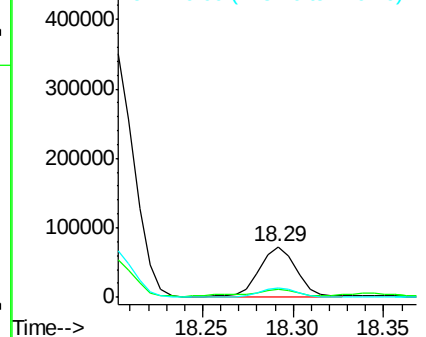
Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.6	18.8
176	18.4	14.5	21.7

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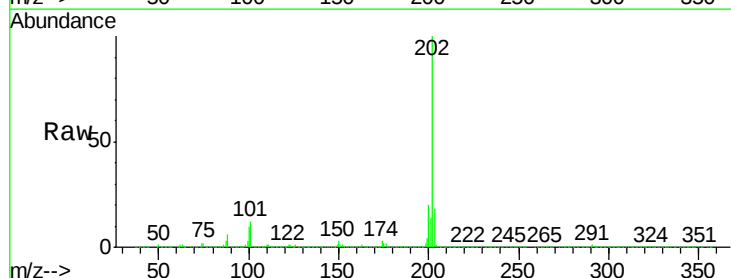


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

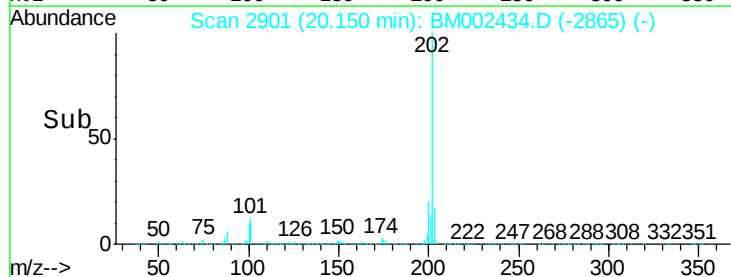
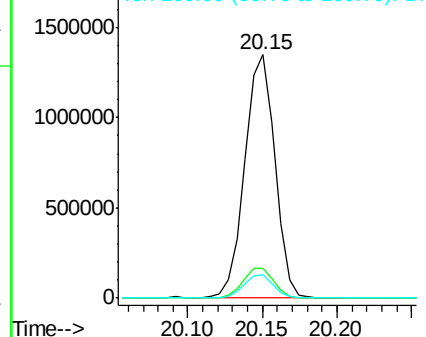


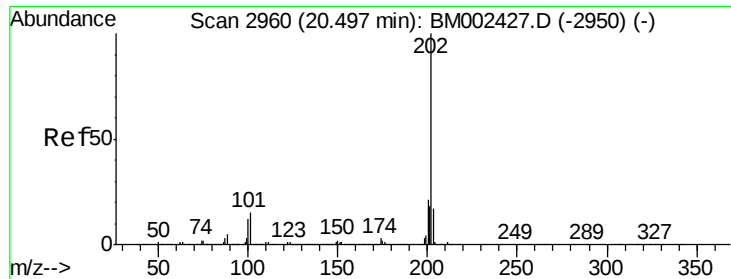
#16
 Fluoranthene
 Concen: 42.48 ng/ul
 RT: 20.15 min Scan# 2901
 Delta R.T. 0.01 min
 Lab File: BM002434.D
 Acq: 15 Aug 2015 20:50

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



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B





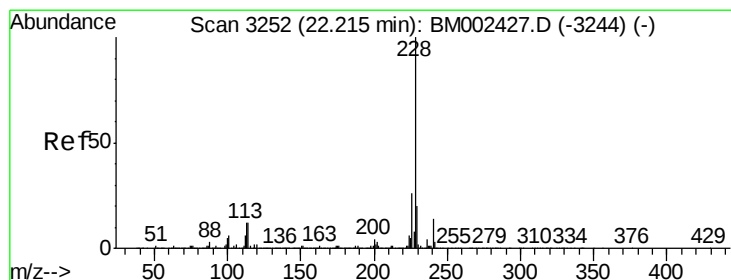
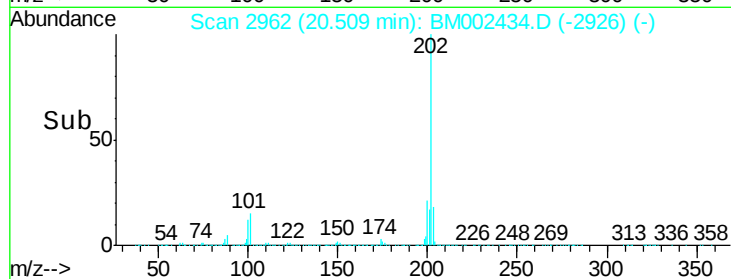
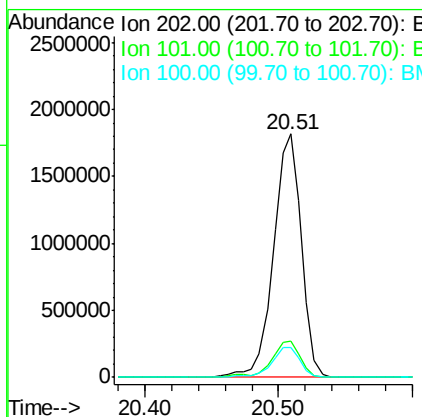
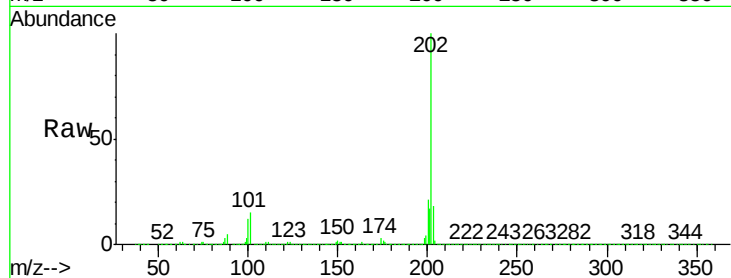
#19
 Pyrene
 Concen: 103.36 ng/ul
 RT: 20.51 min Scan# 2962
 Delta R.T. 0.01 min
 Lab File: BM002434.D
 Acq: 15 Aug 2015 20:50

Instrument :
 BNA_M
 ClientSampleId :
 D9DA4MSD

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.0	12.0	18.0
100	12.2	9.7	14.5

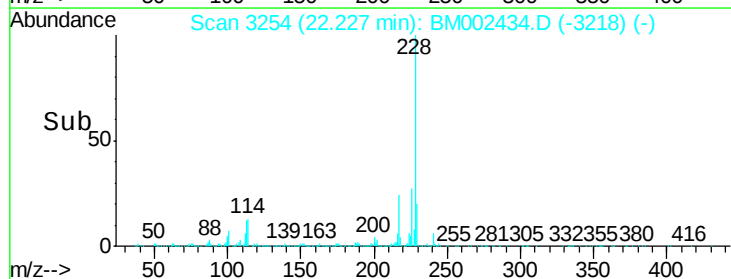
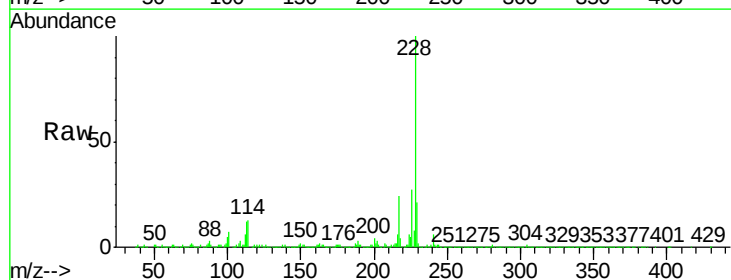
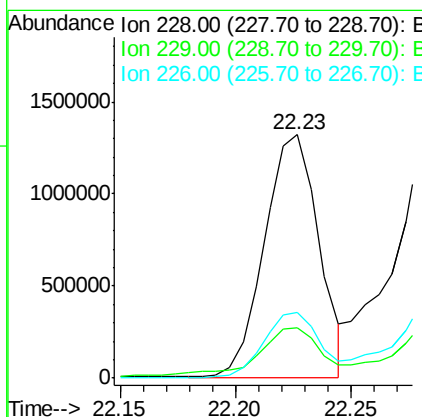
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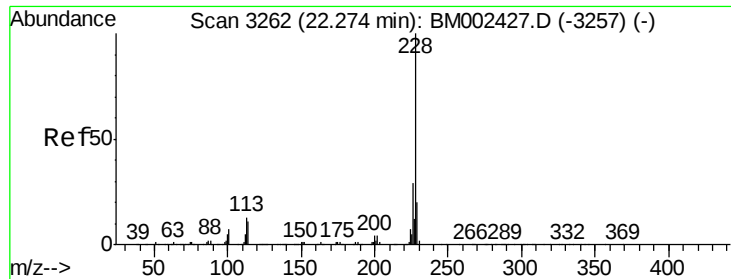
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#20
 Benzo(a)anthracene
 Concen: 82.93 ng/ul
 RT: 22.23 min Scan# 3254
 Delta R.T. 0.01 min
 Lab File: BM002434.D
 Acq: 15 Aug 2015 20:50

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.8	23.6
226	27.1	21.1	31.7





#21

Chrysene

Concen: 112.62 ng/ul

RT: 22.29 min Scan# 3264

Delta R.T. 0.01 min

Lab File: BM002434.D

Acq: 15 Aug 2015 20:50

Instrument :

BNA_M

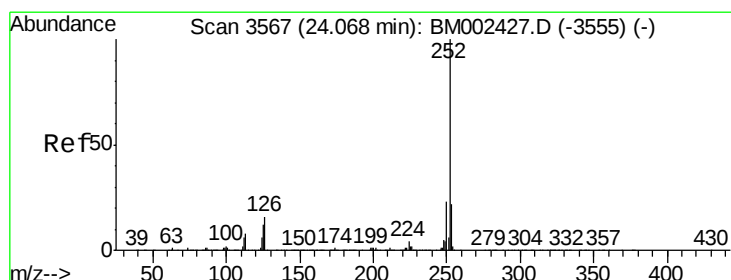
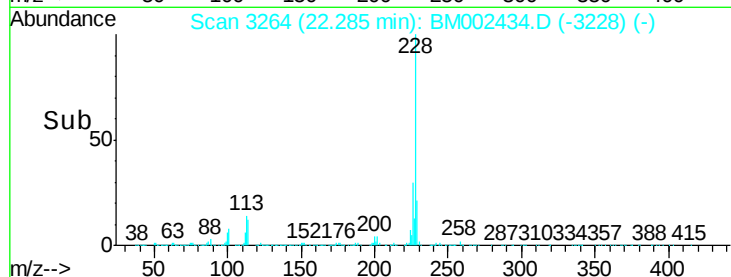
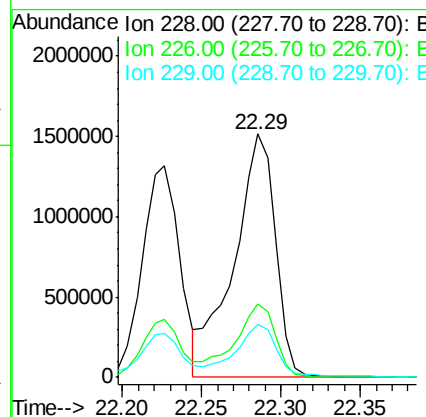
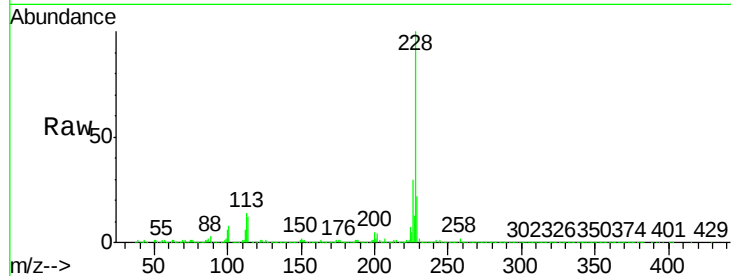
ClientSampleId :

D9DA4MSD

Tgt Ion:	228	Resp:	2746077
Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.4	35.2
229	21.8	15.7	23.5

Manual Integrations
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#23

Benzo(b)fluoranthene

Concen: 198.49 ng/ul m

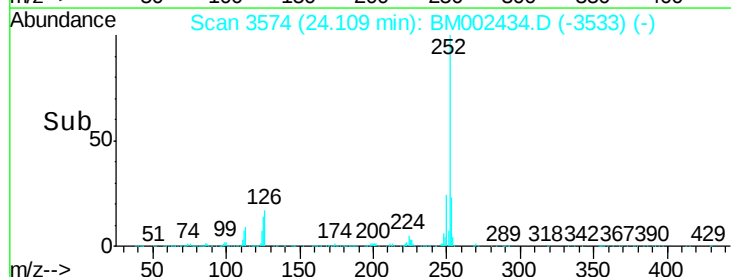
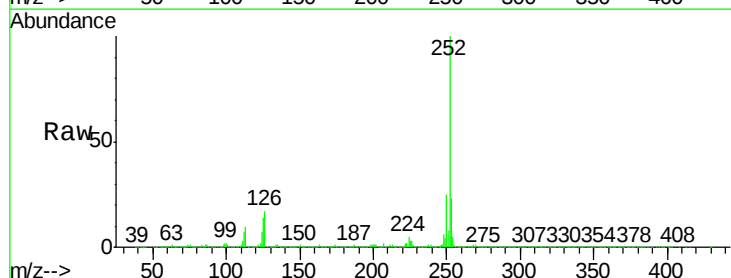
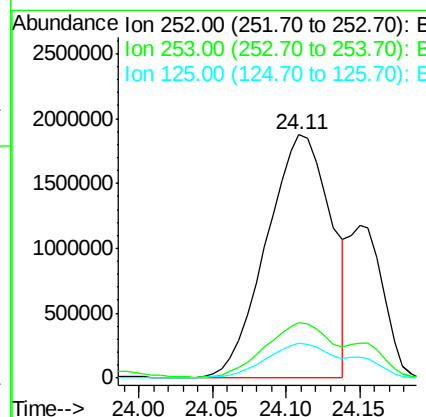
RT: 24.11 min Scan# 3574

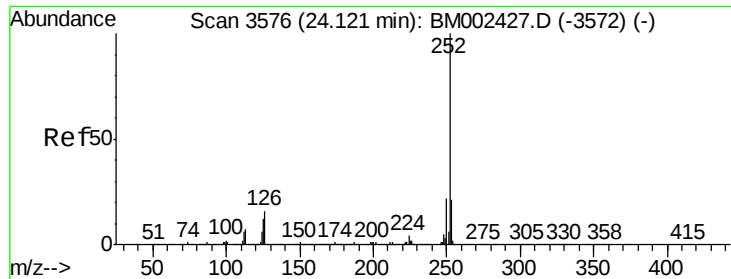
Delta R.T. 0.04 min

Lab File: BM002434.D

Acq: 15 Aug 2015 20:50

Tgt Ion:	252	Resp:	5762241
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.0
125	14.2	10.0	15.0





#24

Benzo(k)fluoranthene

Concen: 68.95 ng/ul m

RT: 24.15 min Scan# 3581

Delta R.T. 0.03 min

Lab File: BM002434.D

Acq: 15 Aug 2015 20:50

Instrument :

BNA_M

ClientSampleId :

D9DA4MSD

Tgt Ion:252 Resp: 1896786

Ion Ratio Lower Upper

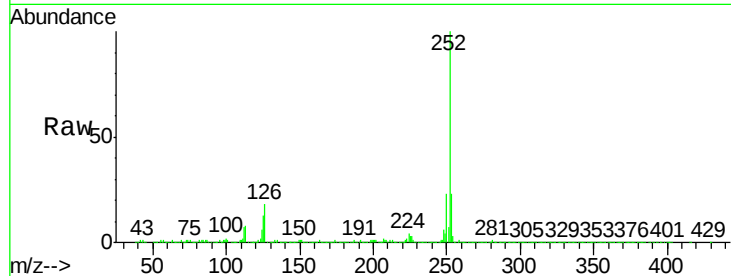
252 100

253 23.1 17.8 26.6

125 13.4 9.8 14.8

Manual Integrations
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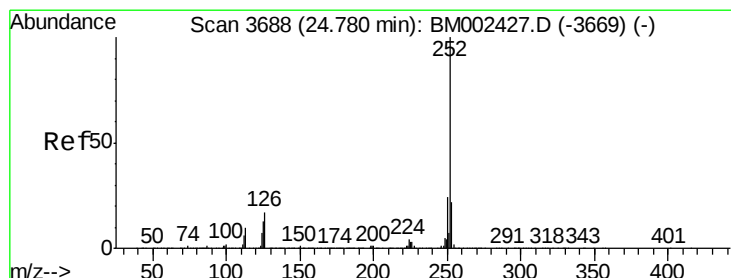
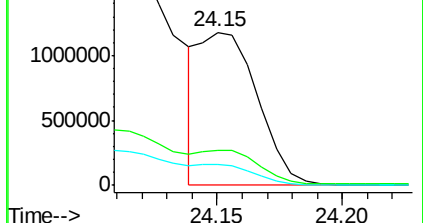
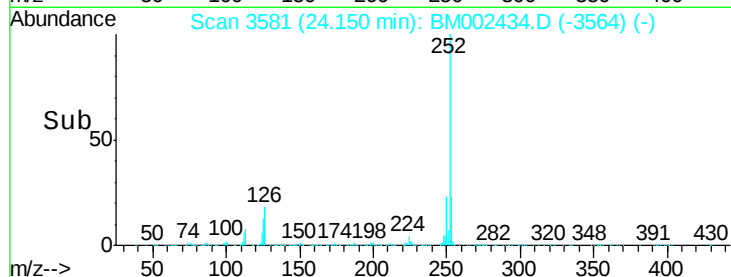
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#26

Benzo(a)pyrene

Concen: 135.17 ng/ul m

RT: 24.82 min Scan# 3695

Delta R.T. 0.04 min

Lab File: BM002434.D

Acq: 15 Aug 2015 20:50

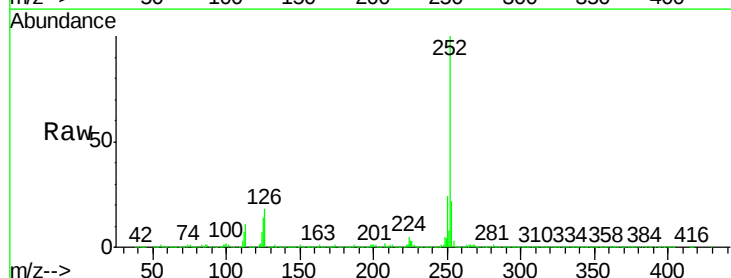
Tgt Ion:252 Resp: 3748033

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

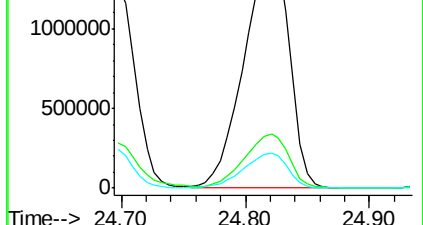
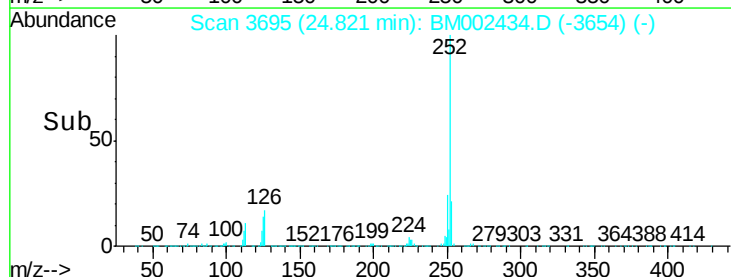
125 14.3 10.7 16.1

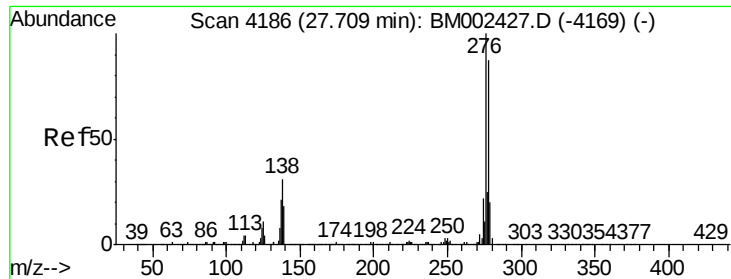


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





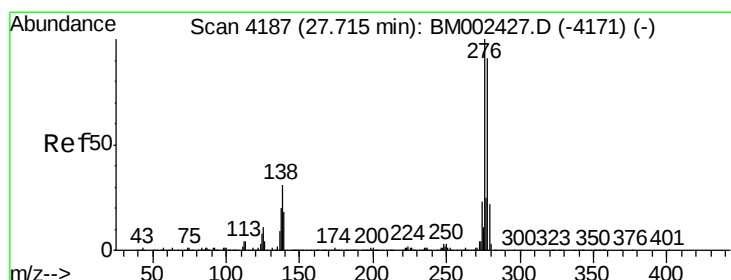
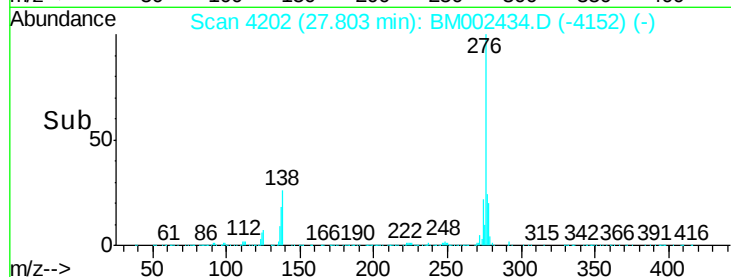
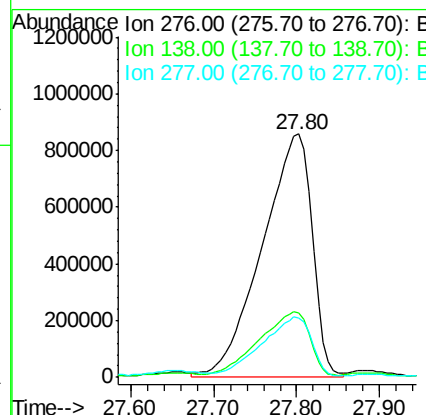
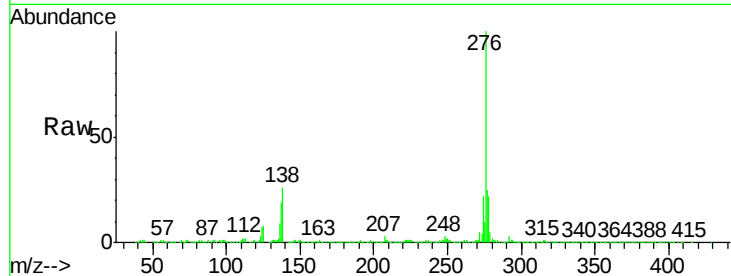
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 111.85 ng/ul m
 RT: 27.80 min Scan# 4202
 Delta R.T. 0.09 min
 Lab File: BM002434.D
 Acq: 15 Aug 2015 20:50

Instrument :
 BNA_M
 ClientSampleId :
 D9DA4MSD

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.3	25.3	37.9
277	24.6	20.2	30.2

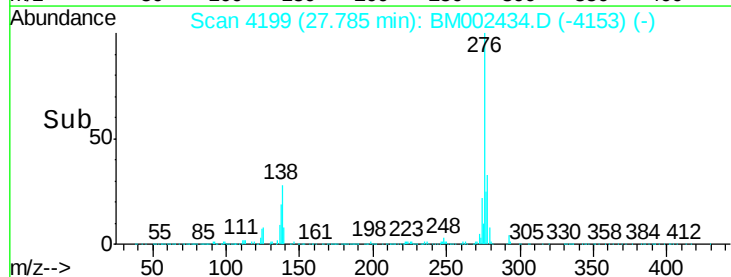
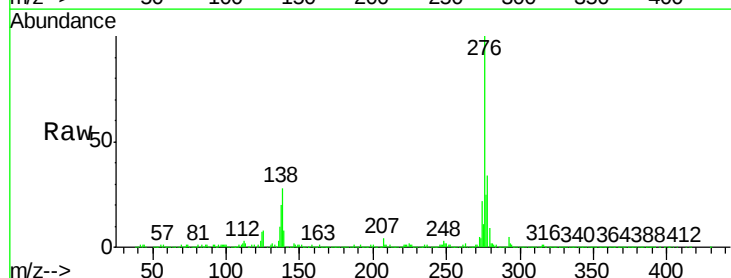
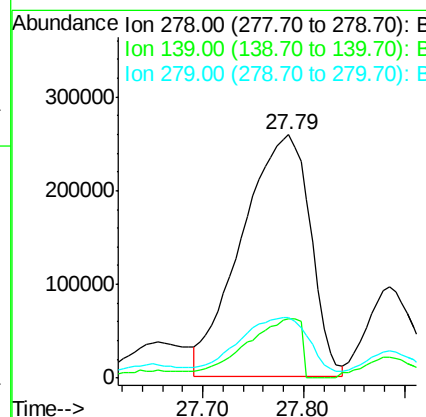
Manual Integrations
 APPROVED

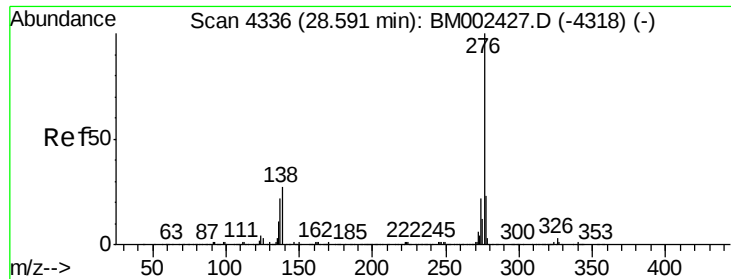
MMDadoda
 8/17/2015 2:46:49 PM



#28
 Dibenzo(a,h)anthracene
 Concen: 45.67 ng/ul m
 RT: 27.79 min Scan# 4199
 Delta R.T. 0.07 min
 Lab File: BM002434.D
 Acq: 15 Aug 2015 20:50

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.6	16.5	24.7
279	24.7	18.8	28.2





#29

Benzo(g,h,i)perylene

Concen: 123.88 ng/ul m

RT: 28.70 min Scan# 4354

Delta R.T. 0.11 min

Lab File: BM002434.D

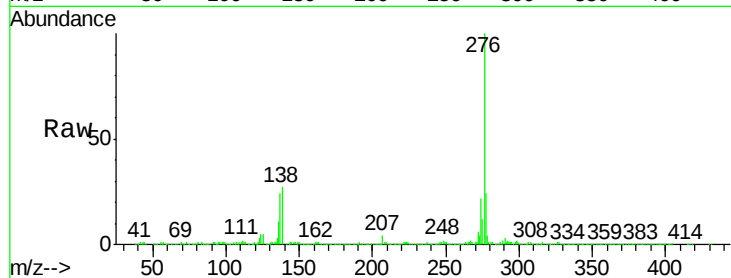
Acq: 15 Aug 2015 20:50

Instrument :

BNA_M

ClientSampleId :

D9DA4MSD



Tgt Ion: 276 Resp: 3288319

Ion Ratio Lower Upper

276 100

138 27.3 21.0 31.6

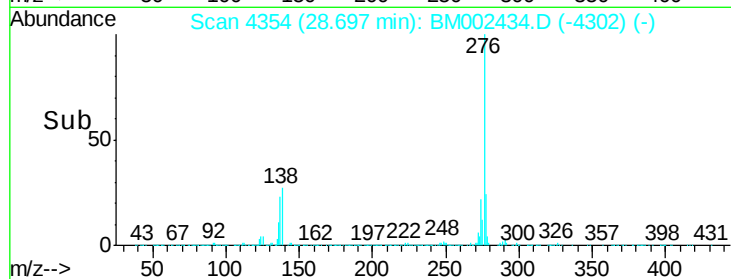
277 24.4 19.2 28.8

Manual Integrations

APPROVED

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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

