

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081715\
 Data File : BM002462.D
 Acq On : 17 Aug 2015 21:46
 Operator : UM/IZ
 Sample : G3227-12
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DD1

Manual Integrations
 APPROVED

MMDadoda
 8/18/2015 5:18:44 PM

Quant Time: Aug 18 03:10:03 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 18 03:02:54 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.88	152	151424	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	672964	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	337547	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.17	188	591849	20.00	ng/ul	0.00
17) Chrysene-d12	22.26	240	386282	20.00	ng/ul	0.00
22) Perylene-d12	24.94	264	405004	20.00	ng/ul	0.00

System Monitoring Compounds						
7) Acenaphthylene-d8	15.17	160	561388	16.27	ng/ul	0.00
10) Fluorene-d10	16.43	176	364043	15.02	ng/ul	0.00
14) Anthracene-d10	18.27	188	467127	16.36	ng/ul	0.00
18) Pyrene-d10	20.49	212	354034	20.68	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.77	264	331567	15.59	ng/ul	0.01

Target Compounds				Qvalue		
3) Naphthalene	11.80	128	219100	6.38	ng/ul	100
4) 2-Methylnaphthalene	13.35	142	96051	3.73	ng/ul	97
5) 1-Methylnaphthalene	13.56	142	81329	3.20	ng/ul	100
8) Acenaphthylene	15.20	152	92358	2.56	ng/ul	97
9) Acenaphthene	15.52	153	211381	8.88	ng/ul	99
11) Fluorene	16.49	166	193072	7.08	ng/ul	98
13) Phenanthrene	18.22	178	3629615	106.20	ng/ul	99
15) Anthracene	18.30	178	760077	21.94	ng/ul	100
16) Fluoranthene	20.17	202	3851885	99.55	ng/ul	98
19) Pyrene	20.52	202	2892513	127.82	ng/ul	99
20) Benzo(a)anthracene	22.24	228	1496762	64.80	ng/ul	98
21) Chrysene	22.30	228	1412943	65.40	ng/ul	96
23) Benzo(b)fluoranthene	24.11	252	2048956	83.68	ng/ul	97
24) Benzo(k)fluoranthene	24.16	252	541979m	23.36	ng/ul	
26) Benzo(a)pyrene	24.83	252	1253039	53.58	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.79	276	935919	34.80	ng/ul	95
28) Dibenzo(a,h)anthracene	27.78	278	270852	12.05	ng/ul#	89
29) Benzo(g,h,i)perylene	28.69	276	808516	36.11	ng/ul	97

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

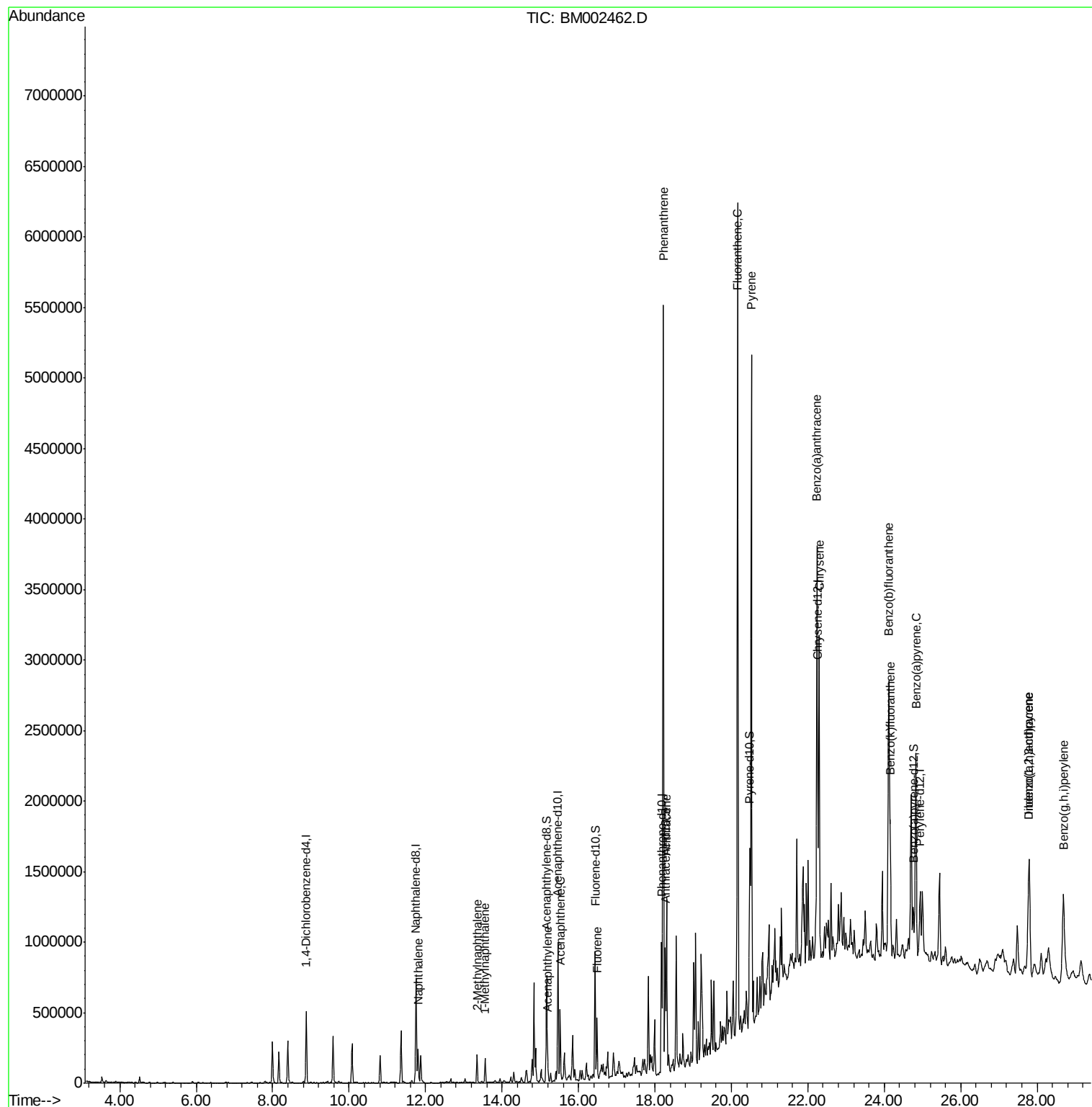
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081715\
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ALS Vial : 19 Sample Multiplier: 1

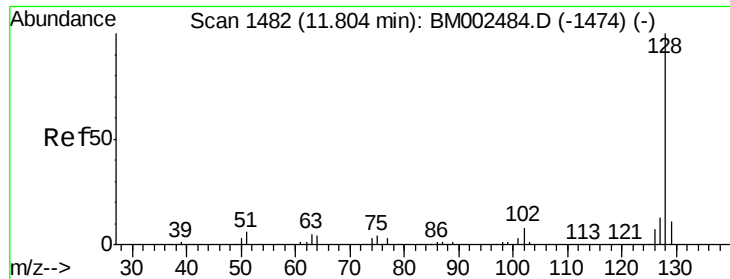
Instrument :
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ClientSampleId :
D9DD1

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Quant Time: Aug 18 03:10:03 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 18 03:02:54 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 6.38 ng/ul

RT: 11.80 min Scan# 1482

Delta R.T. -0.00 min

Lab File: BM002462.D

Acq: 17 Aug 2015 21:46

Instrument :

BNA_M

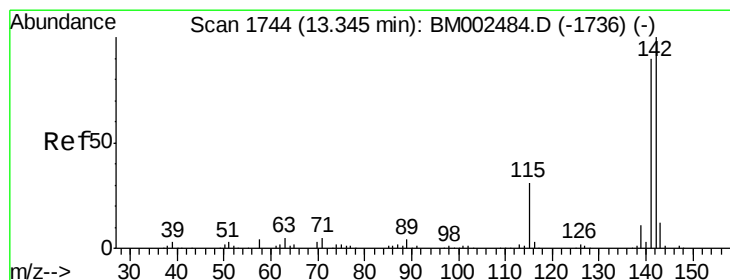
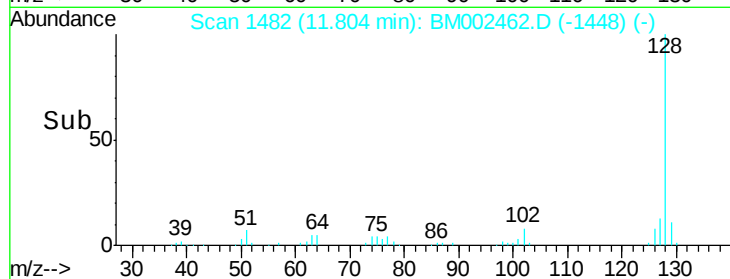
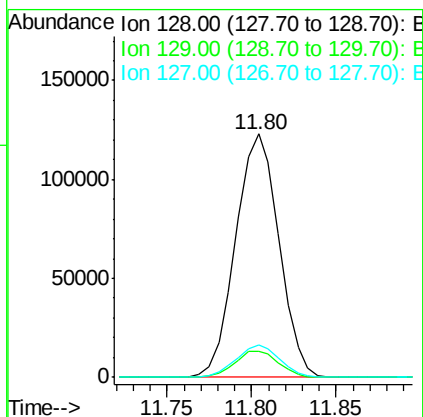
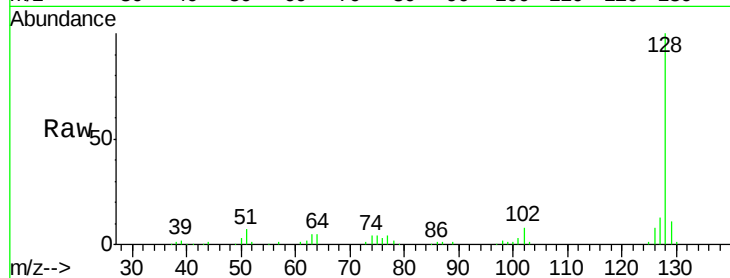
ClientSampleId :

D9DD1

Tgt Ion:	128	Resp:	219100
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.6	12.8
127	13.1	10.4	15.6

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#4

2-Methylnaphthalene

Concen: 3.73 ng/ul

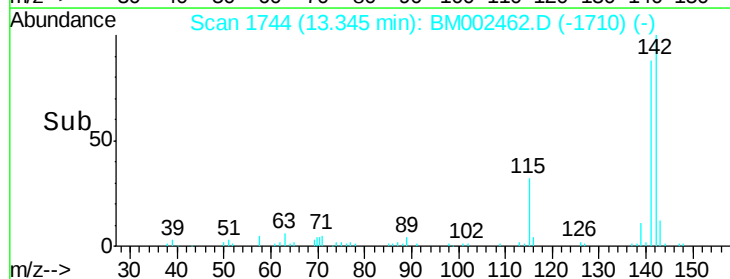
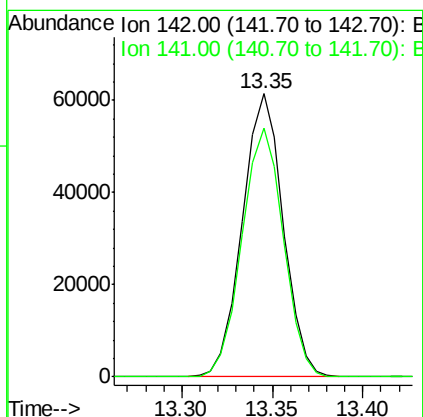
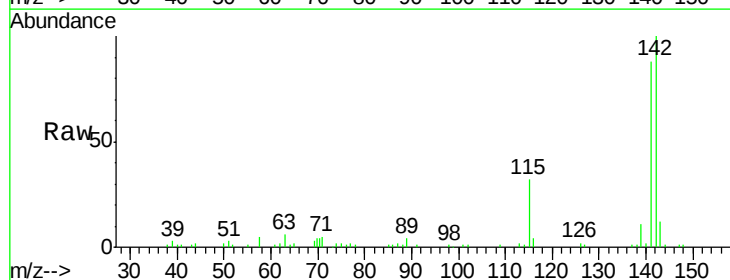
RT: 13.35 min Scan# 1744

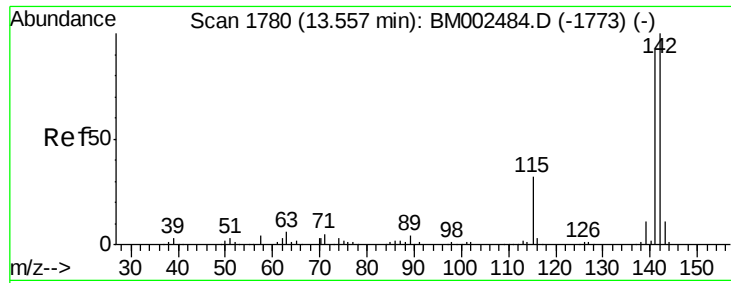
Delta R.T. -0.00 min

Lab File: BM002462.D

Acq: 17 Aug 2015 21:46

Tgt Ion:	142	Resp:	96051
Ion Ratio	Lower	Upper	
142	100		
141	87.8	72.2	108.2





#5

1-Methylnaphthalene

Concen: 3.20 ng/ul

RT: 13.56 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BM002462.D

Acq: 17 Aug 2015 21:46

Instrument :

BNA_M

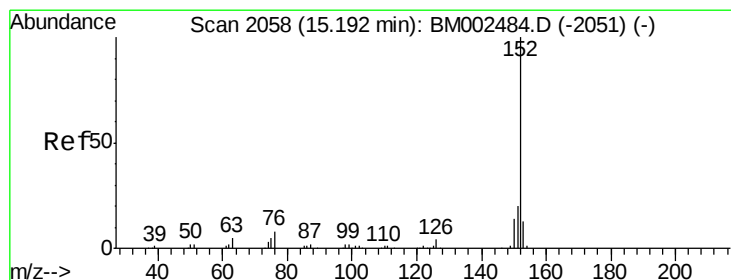
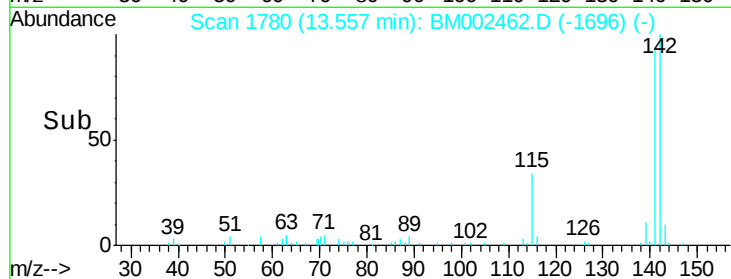
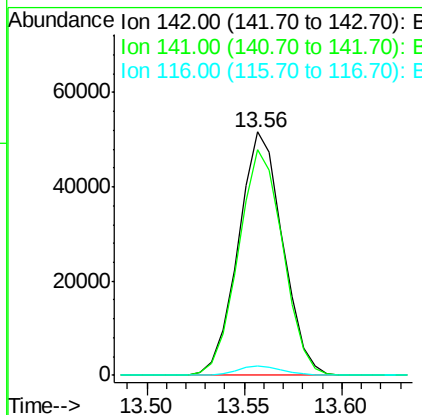
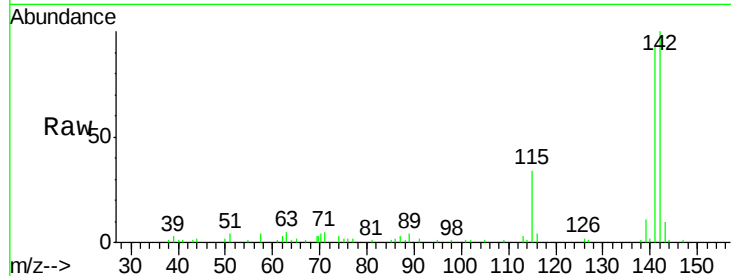
ClientSampleId :

D9DD1

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Tgt Ion:	142	Resp:	81329
Ion Ratio	Lower	Upper	
142	100		
141	92.5	73.9	110.9
116	3.6	3.0	4.4



#8

Acenaphthylene

Concen: 2.56 ng/ul

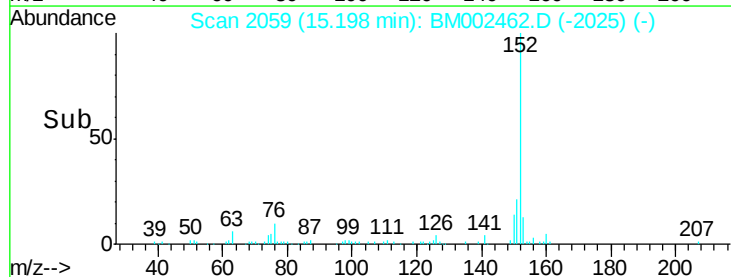
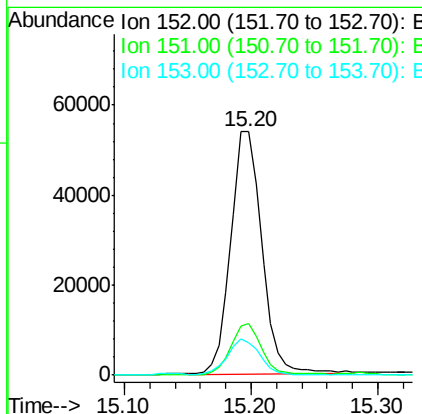
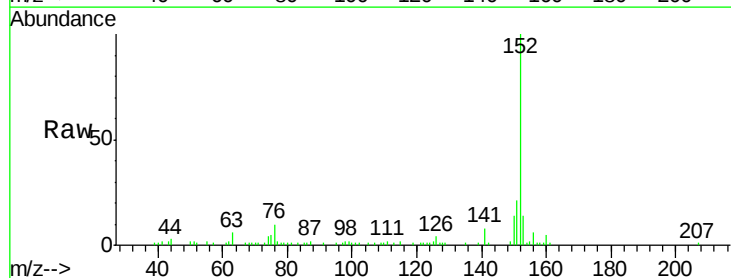
RT: 15.20 min Scan# 2059

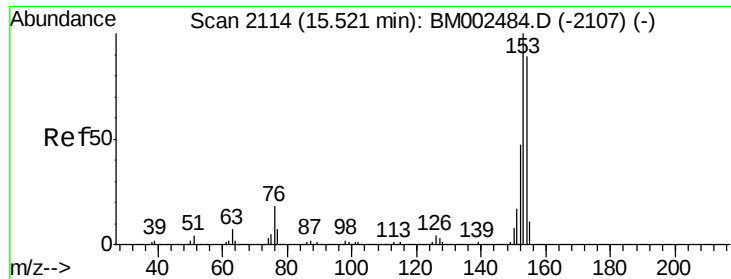
Delta R.T. -0.00 min

Lab File: BM002462.D

Acq: 17 Aug 2015 21:46

Tgt Ion:	152	Resp:	92358
Ion Ratio	Lower	Upper	
152	100		
151	21.2	15.7	23.5
153	13.5	10.2	15.4





#9

Acenaphthene

Concen: 8.88 ng/ul

RT: 15.52 min Scan# 2114

Delta R.T. -0.01 min

Lab File: BM002462.D

Acq: 17 Aug 2015 21:46

Instrument :

BNA_M

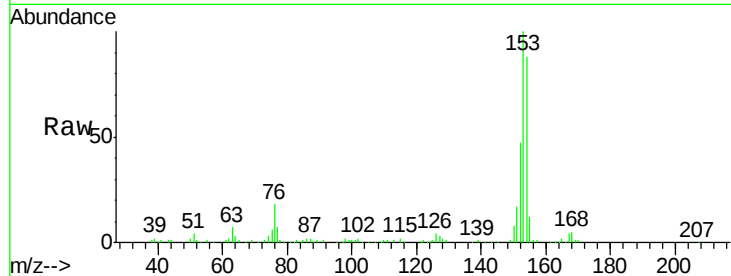
ClientSampleId :

D9DD1

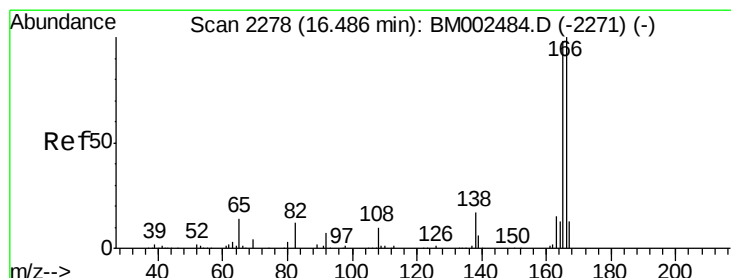
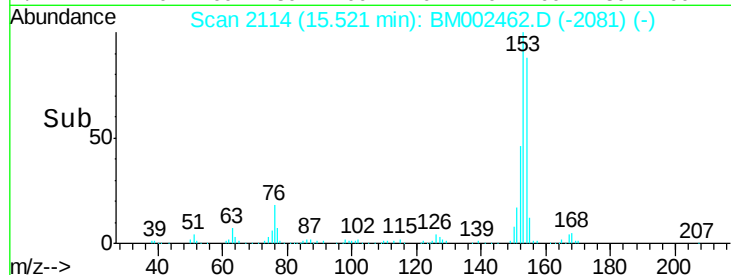
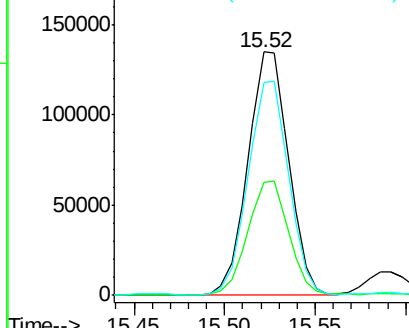
Tgt Ion:	153	Resp:	211381
Ion Ratio	Lower	Upper	
153	100		
152	46.5	36.9	55.3
154	87.5	71.3	106.9

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#11

Fluorene

Concen: 7.08 ng/ul

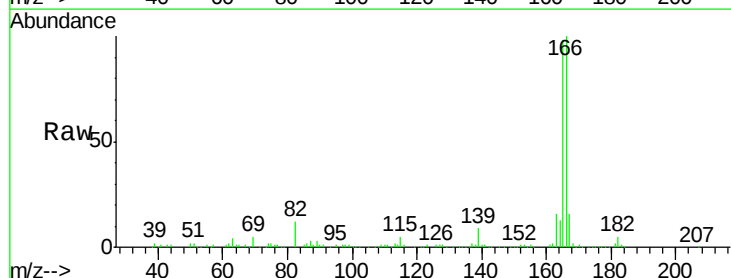
RT: 16.49 min Scan# 2278

Delta R.T. -0.01 min

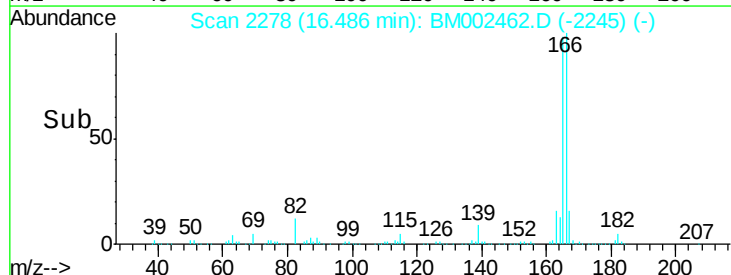
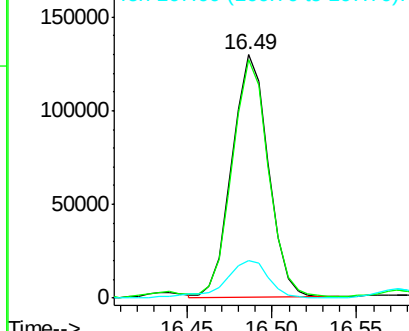
Lab File: BM002462.D

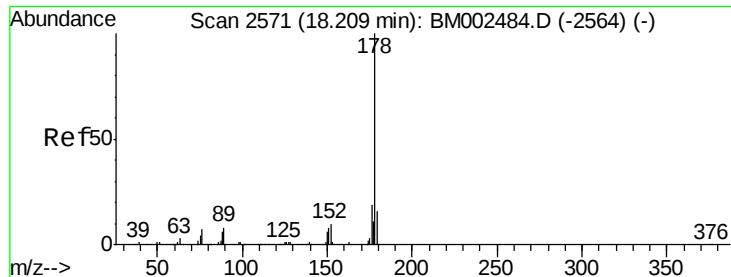
Acq: 17 Aug 2015 21:46

Tgt Ion:	166	Resp:	193072
Ion Ratio	Lower	Upper	
166	100		
165	98.1	77.6	116.4
167	15.7	10.7	16.1



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 106.20 ng/ul

RT: 18.22 min Scan# 2573

Delta R.T. 0.01 min

Lab File: BM002462.D

Acq: 17 Aug 2015 21:46

Instrument :

BNA_M

ClientSampleId :

D9DD1

Tgt Ion:178 Resp: 3629615

Ion Ratio Lower Upper

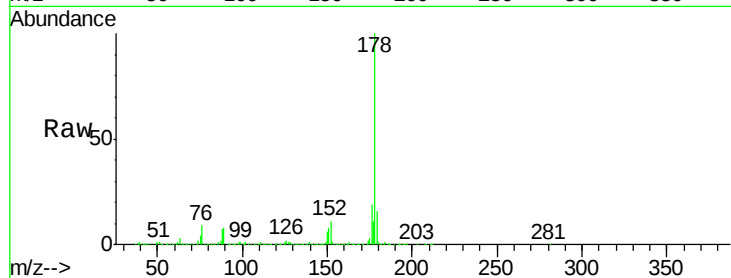
178 100

179 15.8 12.4 18.6

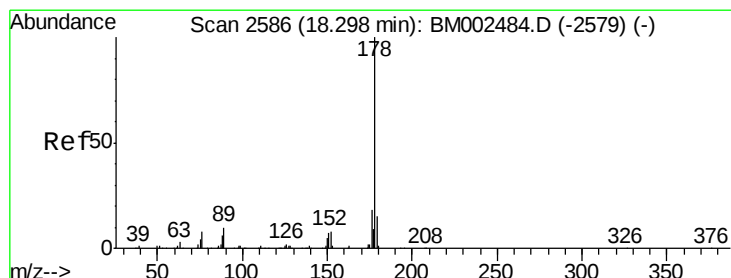
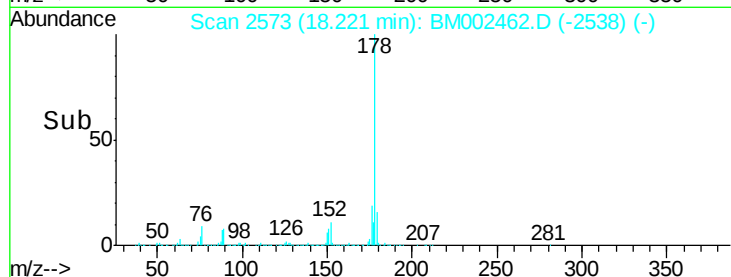
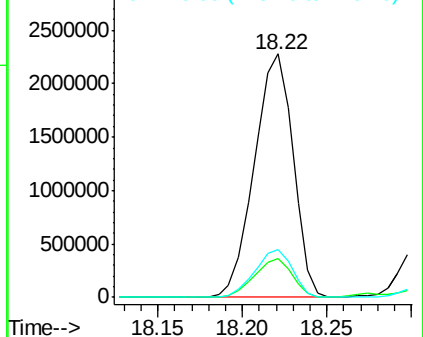
176 19.4 15.1 22.7

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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



#15

Anthracene

Concen: 21.94 ng/ul

RT: 18.30 min Scan# 2587

Delta R.T. -0.00 min

Lab File: BM002462.D

Acq: 17 Aug 2015 21:46

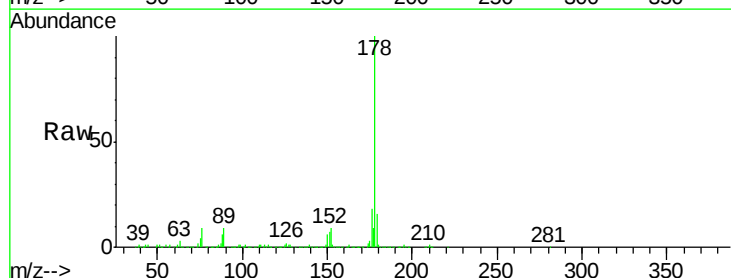
Tgt Ion:178 Resp: 760077

Ion Ratio Lower Upper

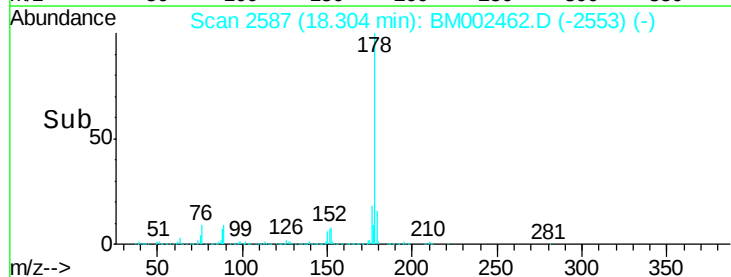
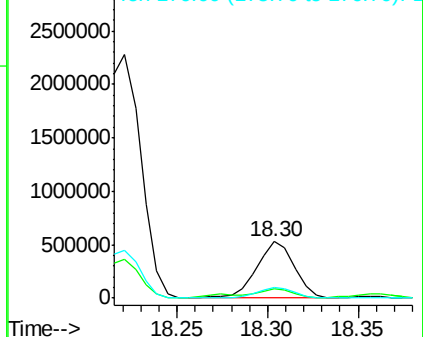
178 100

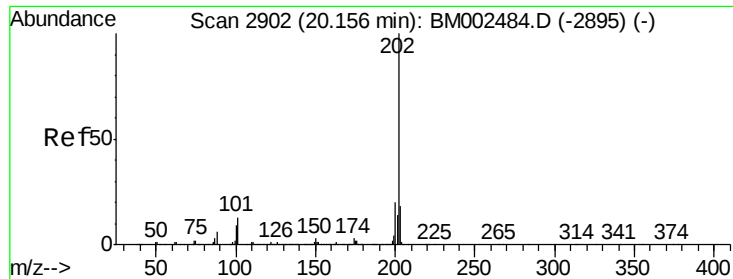
179 15.8 12.6 18.8

176 17.9 14.5 21.7



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





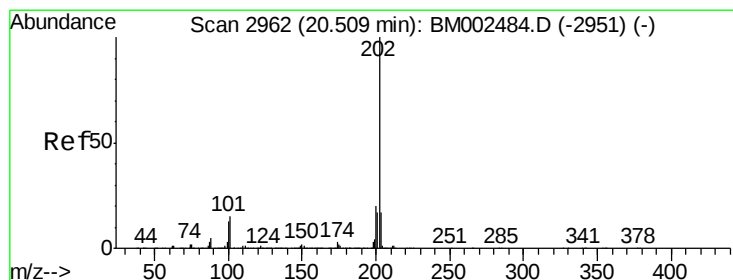
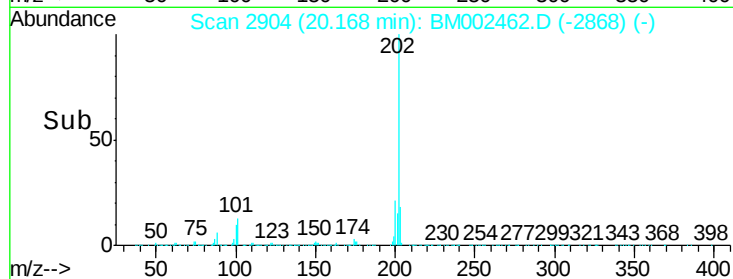
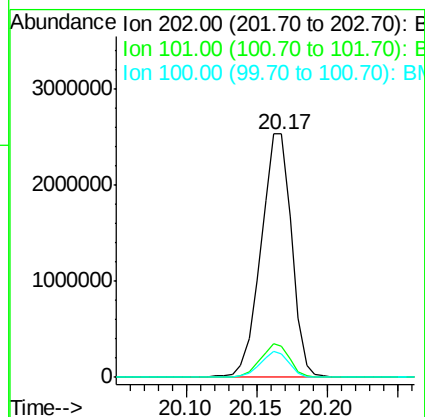
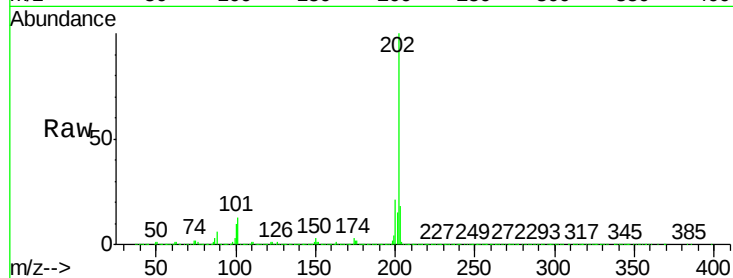
#16
 Fluoranthene
 Concen: 99.55 ng/ul
 RT: 20.17 min Scan# 2904
 Delta R.T. 0.01 min
 Lab File: BM002462.D
 Acq: 17 Aug 2015 21:46

Instrument :
 BNA_M
 ClientSampleId :
 D9DD1

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	9.7	14.5
100	9.7	7.4	11.2

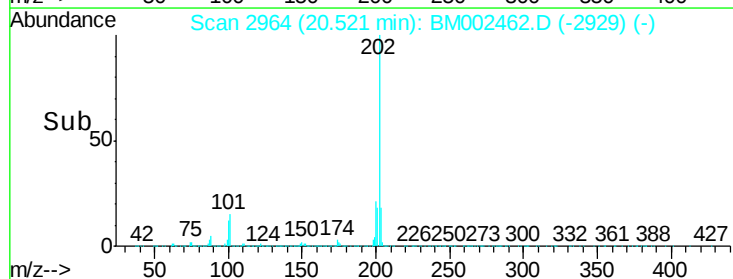
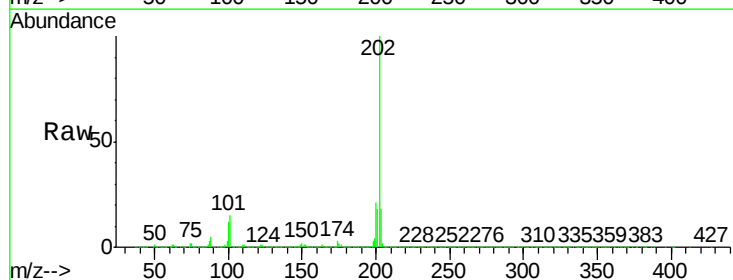
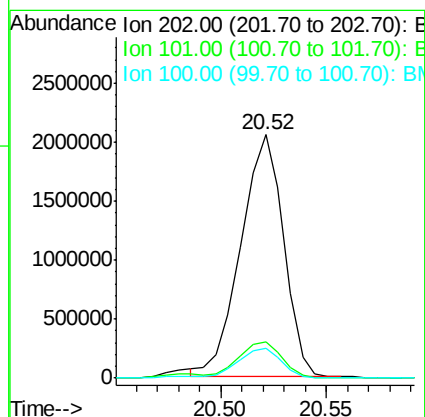
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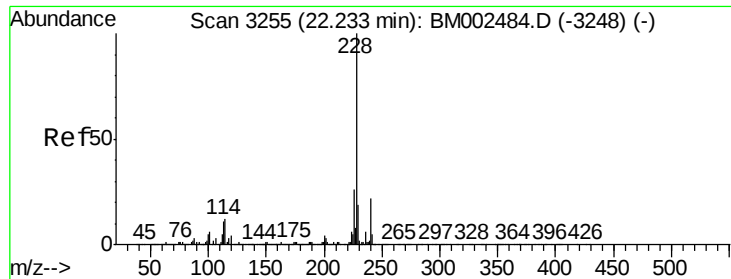
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#19
 Pyrene
 Concen: 127.82 ng/ul
 RT: 20.52 min Scan# 2964
 Delta R.T. 0.01 min
 Lab File: BM002462.D
 Acq: 17 Aug 2015 21:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.2	12.0	18.0
100	12.4	9.7	14.5





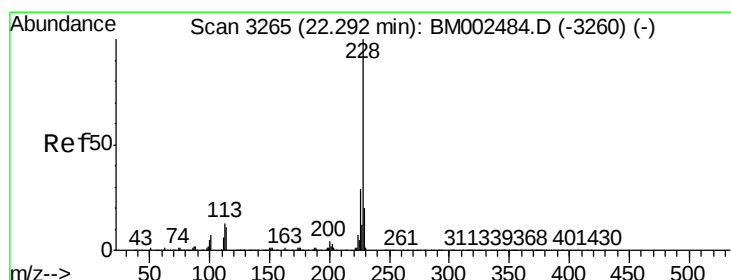
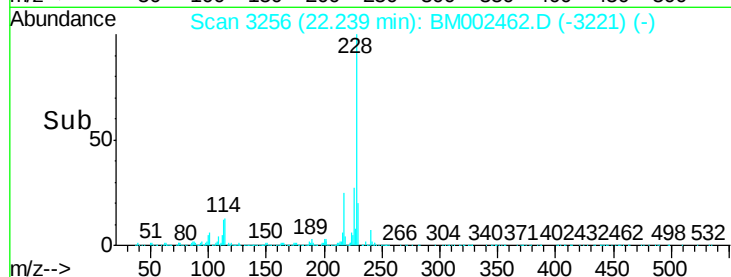
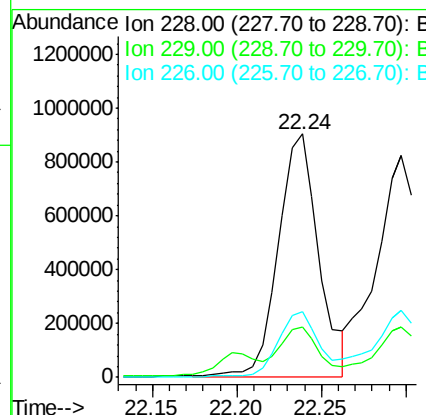
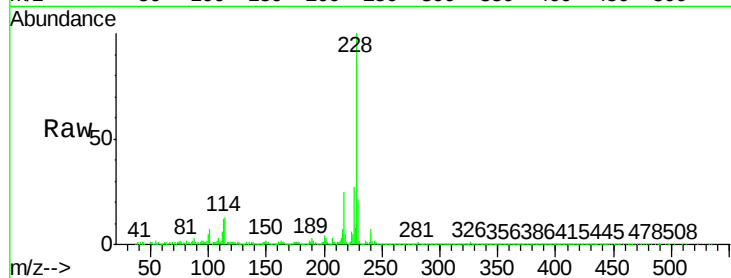
#20
Benzo(a)anthracene
Concen: 64.80 ng/ul
RT: 22.24 min Scan# 3256
Delta R.T. 0.01 min
Lab File: BM002462.D
Acq: 17 Aug 2015 21:46

Instrument :
BNA_M
ClientSampleId :
D9DD1

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.8	23.6
226	27.2	21.1	31.7

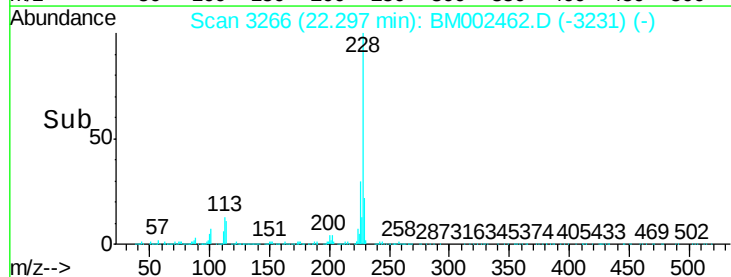
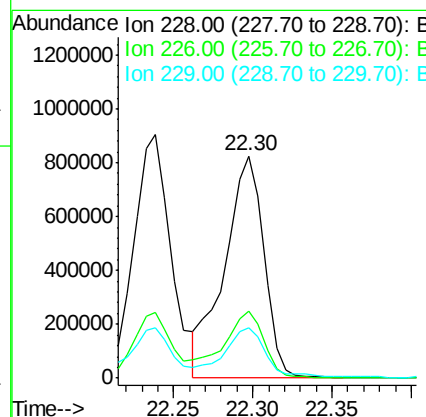
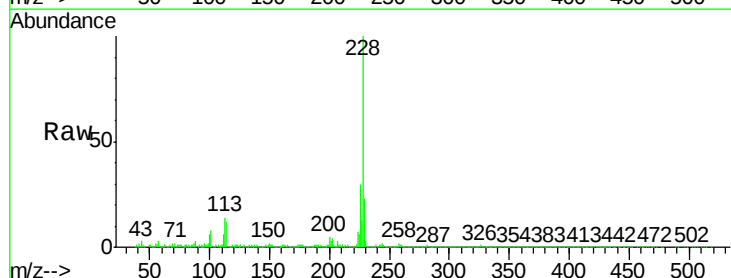
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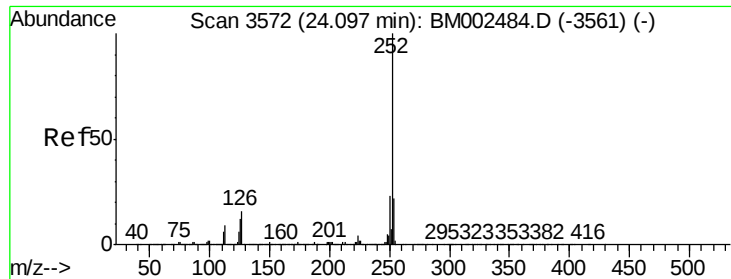
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#21
Chrysene
Concen: 65.40 ng/ul
RT: 22.30 min Scan# 3266
Delta R.T. 0.01 min
Lab File: BM002462.D
Acq: 17 Aug 2015 21:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.4	35.2
229	22.6	15.7	23.5





#23

Benzo(b)fluoranthene

Concen: 83.68 ng/ul

RT: 24.11 min Scan# 3575

Delta R.T. 0.01 min

Lab File: BM002462.D

Acq: 17 Aug 2015 21:46

Instrument :

BNA_M

ClientSampleId :

D9DD1

Tgt Ion:252 Resp: 2048956

Ion Ratio Lower Upper

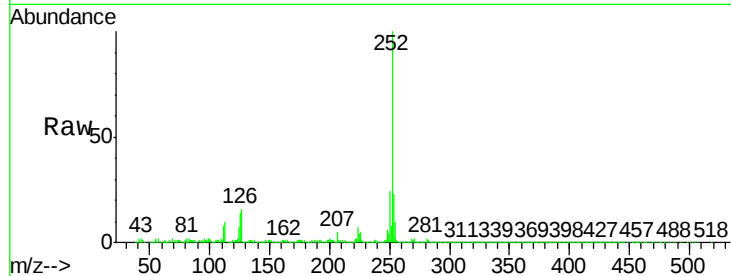
252 100

253 23.2 17.4 26.0

125 13.9 10.0 15.0

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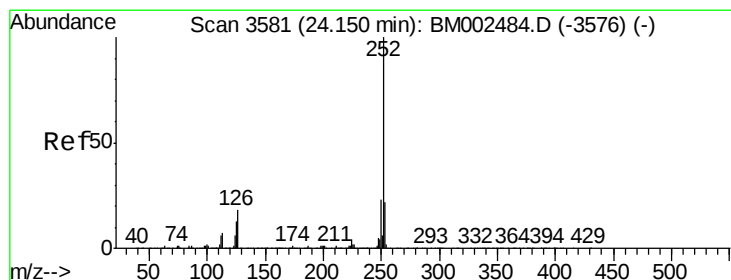
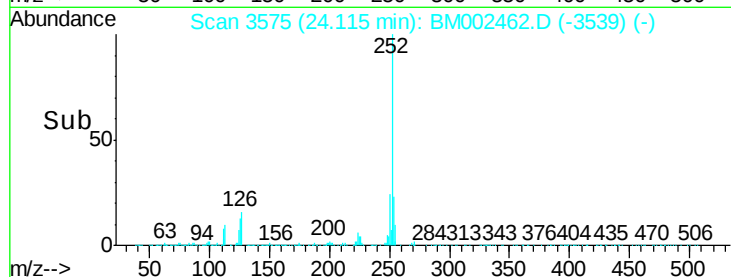
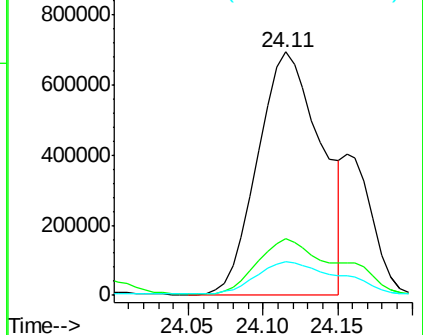
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#24

Benzo(k)fluoranthene

Concen: 23.36 ng/ul m

RT: 24.16 min Scan# 3582

Delta R.T. -0.00 min

Lab File: BM002462.D

Acq: 17 Aug 2015 21:46

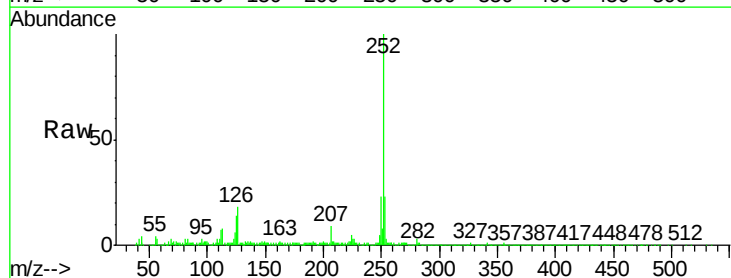
Tgt Ion:252 Resp: 541979

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

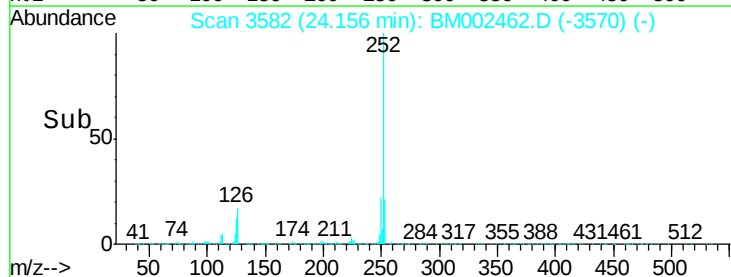
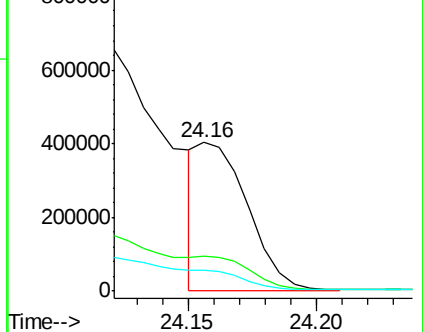
125 14.1 9.8 14.8

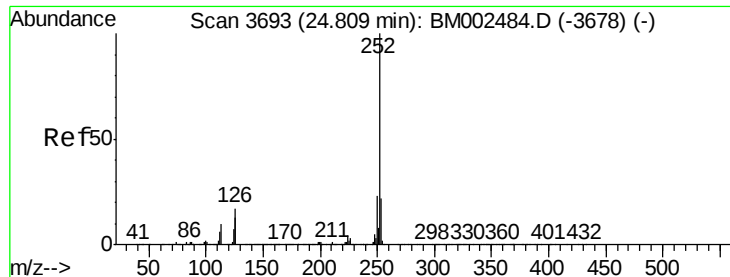


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





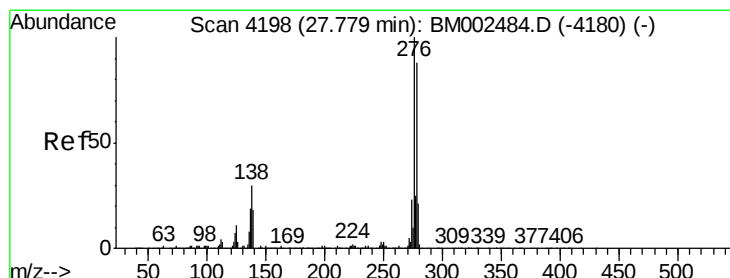
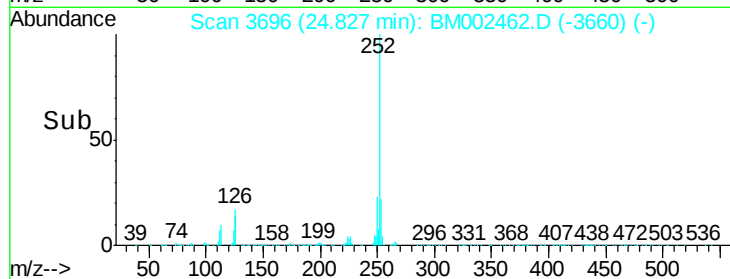
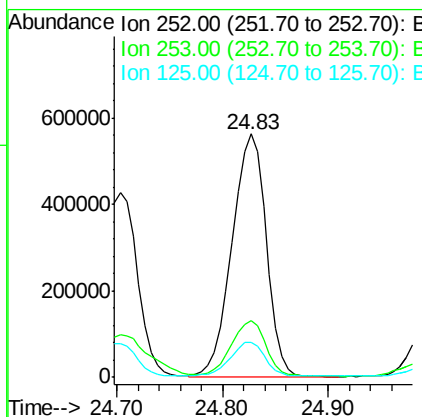
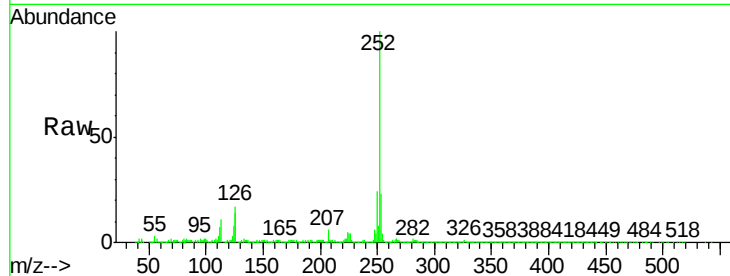
#26
Benzo(a)pyrene
Concen: 53.58 ng/ul
RT: 24.83 min Scan# 3696
Delta R.T. 0.01 min
Lab File: BM002462.D
Acq: 17 Aug 2015 21:46

Instrument :
BNA_M
ClientSampleId :
D9DD1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.6	26.4
125	14.2	10.7	16.1

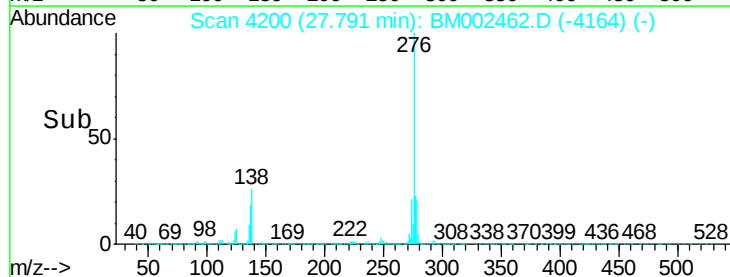
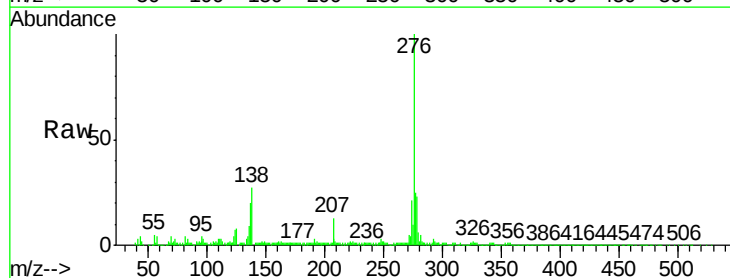
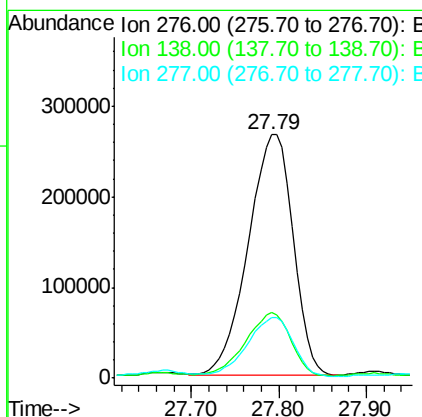
Manual Integrations
APPROVED

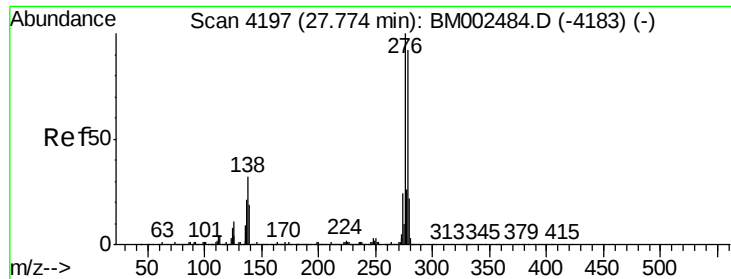
MMDadoda
8/18/2015 5:18:44 PM



#27
Indeno(1,2,3-cd)pyrene
Concen: 34.80 ng/ul
RT: 27.79 min Scan# 4200
Delta R.T. 0.01 min
Lab File: BM002462.D
Acq: 17 Aug 2015 21:46

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.1	25.3	37.9
277	24.8	20.2	30.2





#28

Dibenzo(a,h)anthracene

Concen: 12.05 ng/ul

RT: 27.78 min Scan# 4198

Delta R.T. -0.00 min

Lab File: BM002462.D

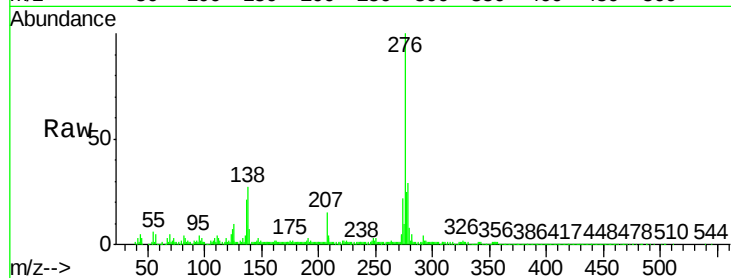
Acq: 17 Aug 2015 21:46

Instrument :

BNA_M

ClientSampleId :

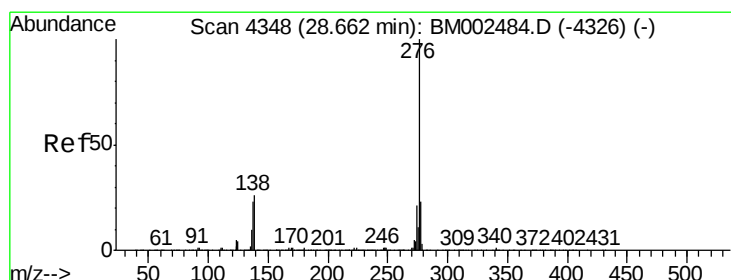
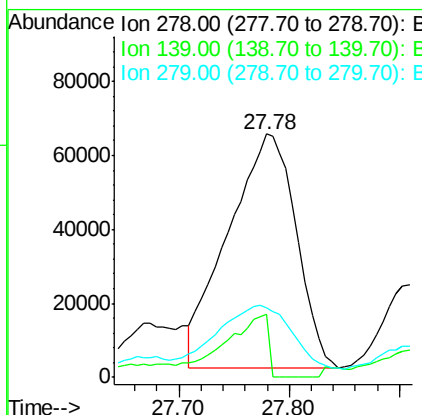
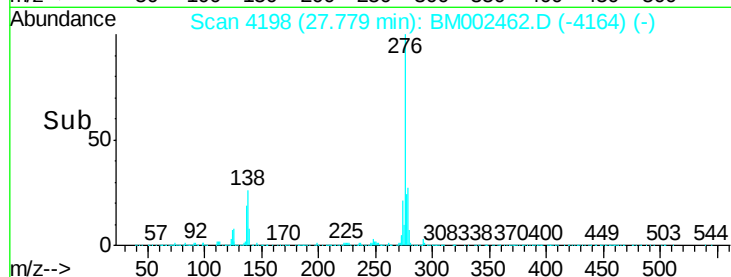
D9DD1



Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.0	16.5	24.7#
279	28.4	18.8	28.2#

Manual Integrations
APPROVED

MMDadoda
8/18/2015 5:18:44 PM



#29

Benzo(g,h,i)perylene

Concen: 36.11 ng/ul

RT: 28.69 min Scan# 4352

Delta R.T. 0.02 min

Lab File: BM002462.D

Acq: 17 Aug 2015 21:46

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.4	21.0	31.6
277	25.0	19.2	28.8

