

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081715\
 Data File : BM002472.D
 Acq On : 18 Aug 2015 03:55
 Operator : UM/IZ
 Sample : G3227-22
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DE1

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Quant Time: Aug 18 07:00:25 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	155881	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	675318	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	319109	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.17	188	514906	20.00	ng/ul	0.00
17) Chrysene-d12	22.26	240	365872	20.00	ng/ul	0.01
22) Perylene-d12	24.96	264	436950	20.00	ng/ul	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.17	160	1039585	31.86	ng/ul	0.00
10) Fluorene-d10	16.43	176	642750	28.05	ng/ul	0.00
14) Anthracene-d10	18.27	188	776681	31.27	ng/ul	0.00
18) Pyrene-d10	20.49	212	606397	37.39	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.79	264	628122	27.37	ng/ul	0.04

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	11.80	128	166885	4.84	ng/ul	99
4) 2-Methylnaphthalene	13.35	142	85635	3.32	ng/ul	100
5) 1-Methylnaphthalene	13.56	142	69157	2.71	ng/ul	100
9) Acenaphthene	15.52	153	91121	4.05	ng/ul	99
11) Fluorene	16.49	166	81920	3.18	ng/ul	98
13) Phenanthrene	18.22	178	1246903	41.94	ng/ul	99
15) Anthracene	18.30	178	255507	8.48	ng/ul	100
16) Fluoranthene	20.16	202	3668055	108.97	ng/ul	97
19) Pyrene	20.52	202	3684927	171.92	ng/ul	98
20) Benzo(a)anthracene	22.24	228	4375695	199.99	ng/ul	97
21) Chrysene	22.31	228	5243310	256.22	ng/ul	95
23) Benzo(b)fluoranthene	24.16	252	11646201	440.88	ng/ul#	95
24) Benzo(k)fluoranthene	24.20	252	3327649m	132.93	ng/ul	
26) Benzo(a)pyrene	24.88	252	7262831	287.85	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	27.91	276	7588850	261.53	ng/ul	95
28) Dibenzo(a,h)anthracene	27.87	278	2634212	108.61	ng/ul	94
29) Benzo(g,h,i)perylene	28.81	276	6887115	285.14	ng/ul	97

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

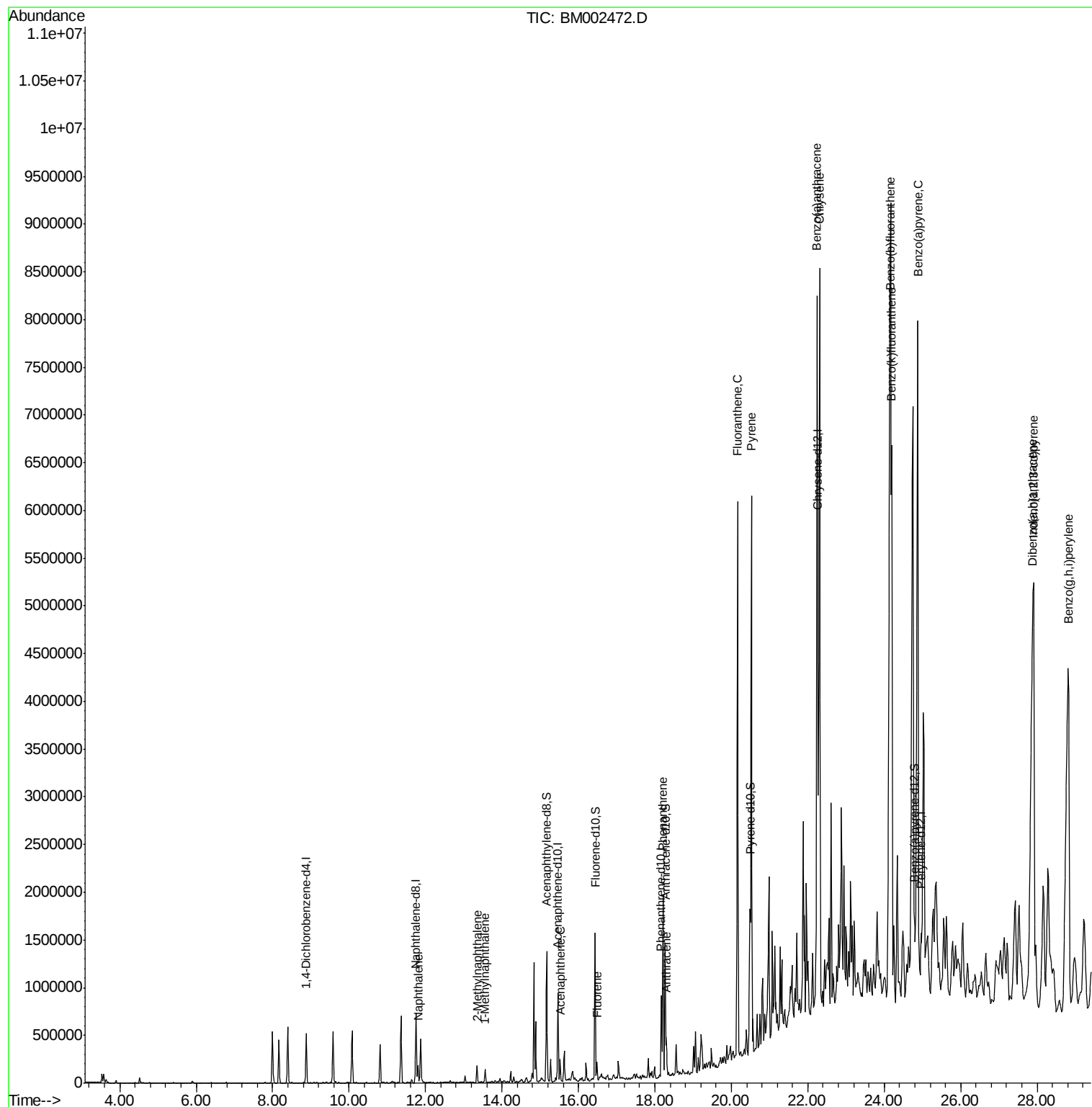
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081715\
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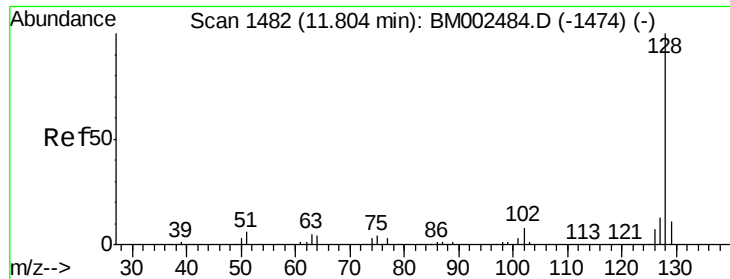
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Quant Title : SVOA CALIBRATION
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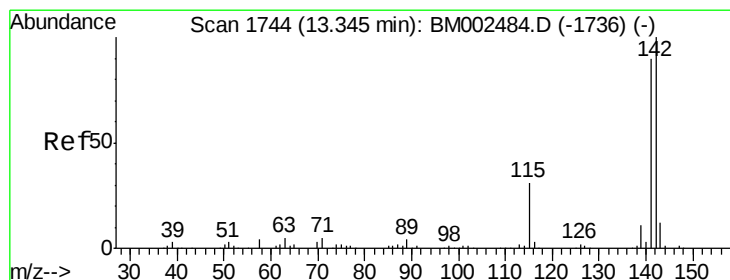
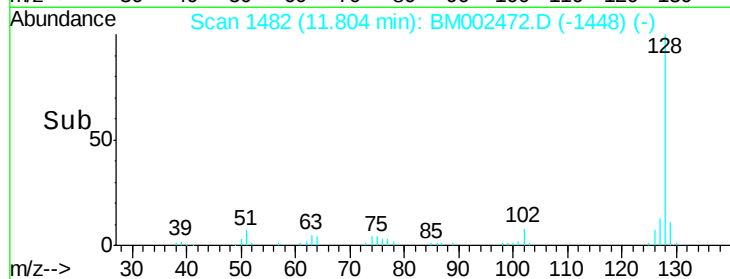
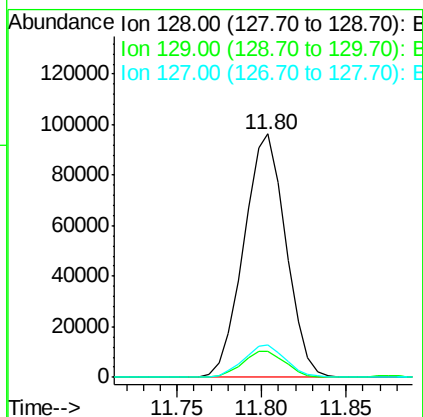
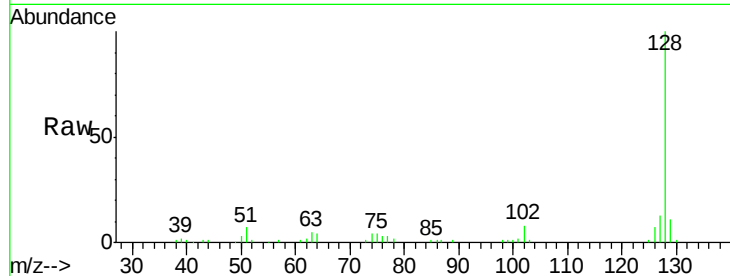
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Naphthalene
Concen: 4.84 ng/ul
RT: 11.80 min Scan# 1482
Delta R.T. -0.00 min
Lab File: BM002472.D
Acq: 18 Aug 2015 03:55

Instrument :
BNA_M
ClientSampleId :
D9DE1

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	166885		
129	10.6	8.6	12.8	
127	13.4	10.4	15.6	

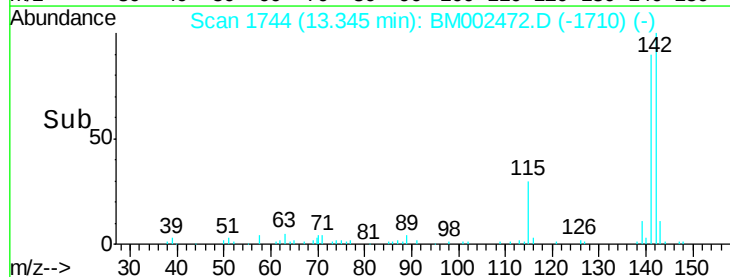
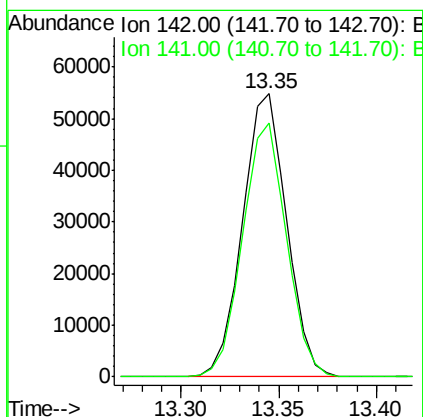
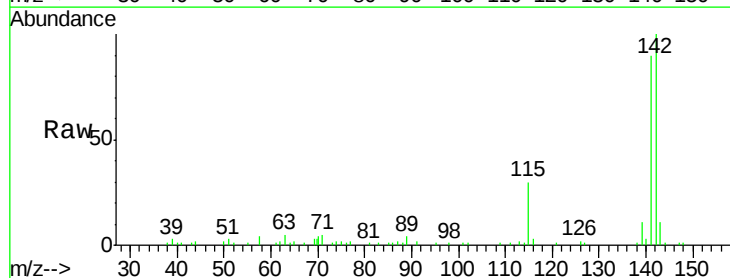
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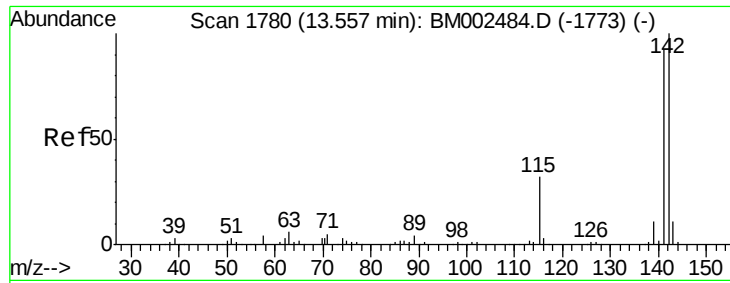
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#4
2-Methylnaphthalene
Concen: 3.32 ng/ul
RT: 13.35 min Scan# 1744
Delta R.T. -0.00 min
Lab File: BM002472.D
Acq: 18 Aug 2015 03:55

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	85635		
141	89.9	72.2	108.2	





#5

1-Methylnaphthalene

Concen: 2.71 ng/ul

RT: 13.56 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BM002472.D

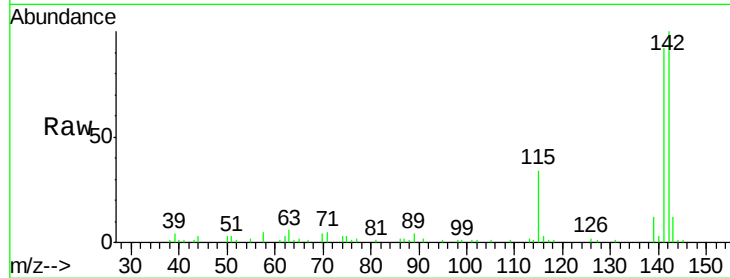
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Instrument :

BNA_M

ClientSampleId :

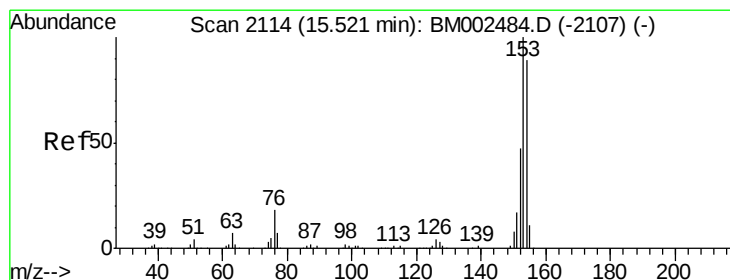
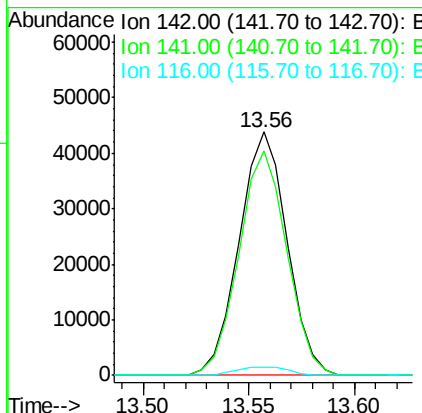
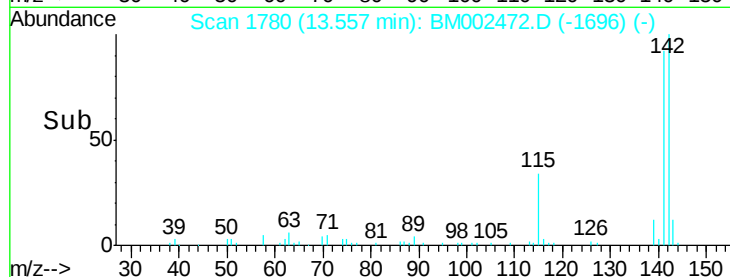
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Tgt Ion:	142	Resp:	69157
Ion Ratio	Lower	Upper	
142	100		
141	92.2	73.9	110.9
116	3.5	3.0	4.4

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#9

Acenaphthene

Concen: 4.05 ng/ul

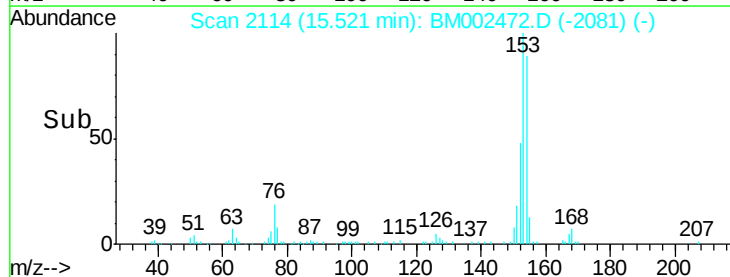
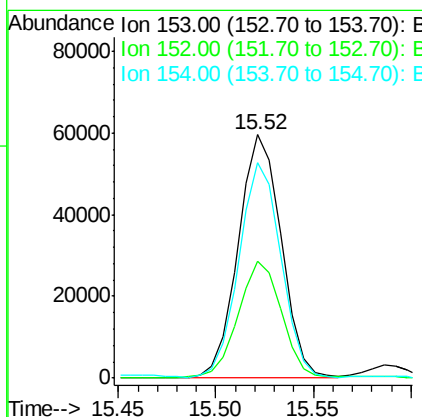
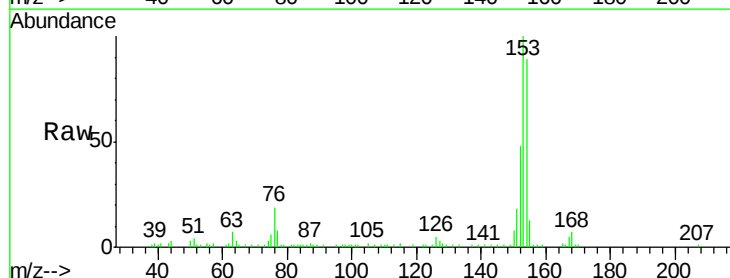
RT: 15.52 min Scan# 2114

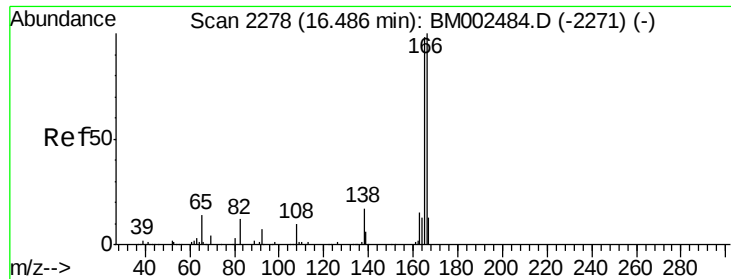
Delta R.T. -0.01 min

Lab File: BM002472.D

Acq: 18 Aug 2015 03:55

Tgt Ion:	153	Resp:	91121
Ion Ratio	Lower	Upper	
153	100		
152	47.8	36.9	55.3
154	88.5	71.3	106.9





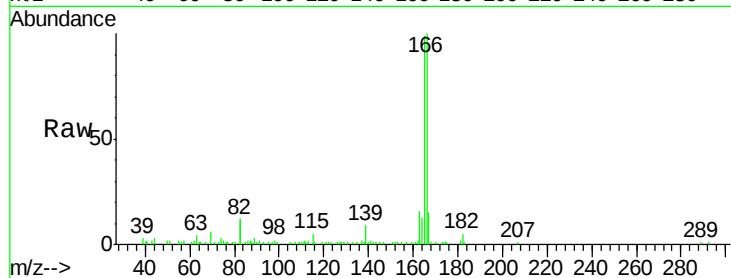
#11
Fluorene
 Concen: 3.18 ng/ul
 RT: 16.49 min Scan# 2278
 Delta R.T. -0.01 min
 Lab File: BM002472.D
 Acq: 18 Aug 2015 03:55

Instrument :
 BNA_M
 ClientSampleId :
 D9DE1

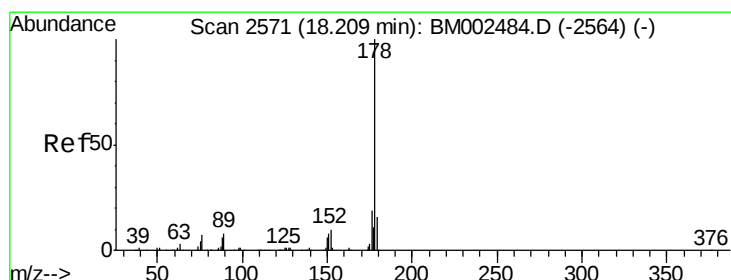
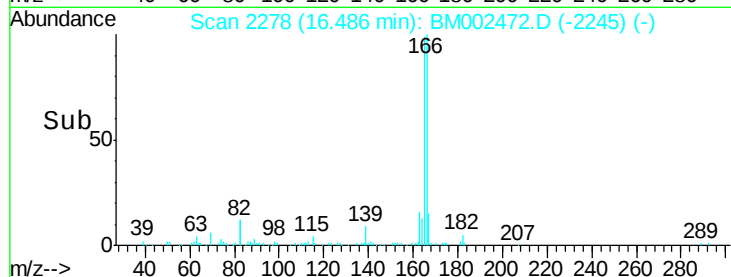
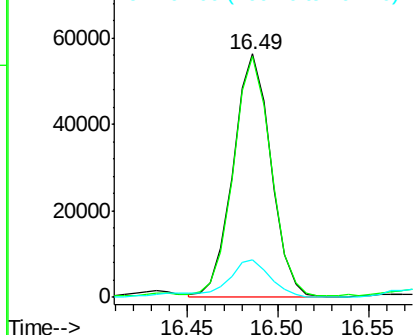
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	81920		
165	98.8	77.6	116.4	
167	15.3	10.7	16.1	

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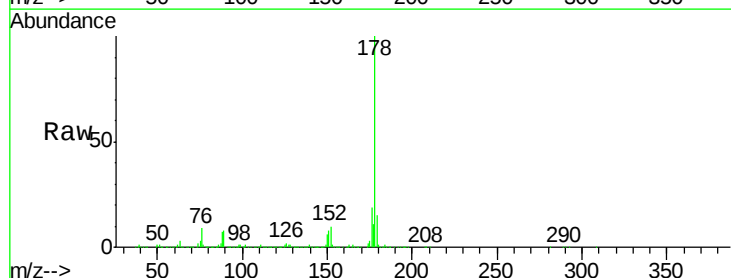


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

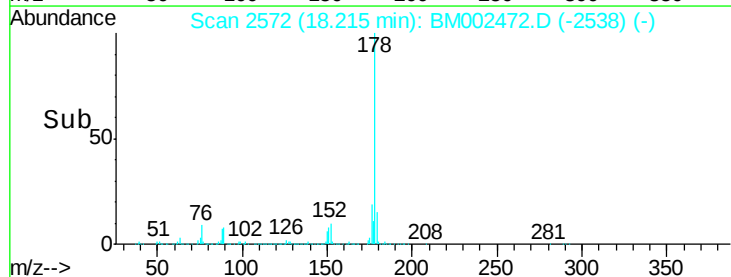
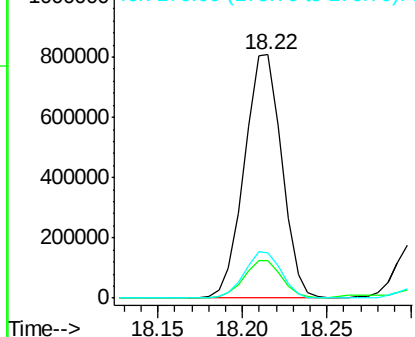


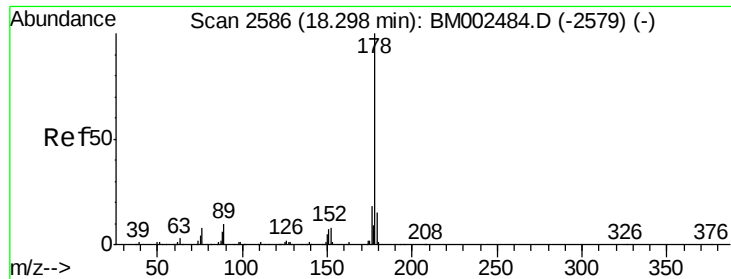
#13
Phenanthrene
 Concen: 41.94 ng/ul
 RT: 18.22 min Scan# 2572
 Delta R.T. -0.00 min
 Lab File: BM002472.D
 Acq: 18 Aug 2015 03:55

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1246903		
179	15.2	12.4	18.6	
176	18.7	15.1	22.7	



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





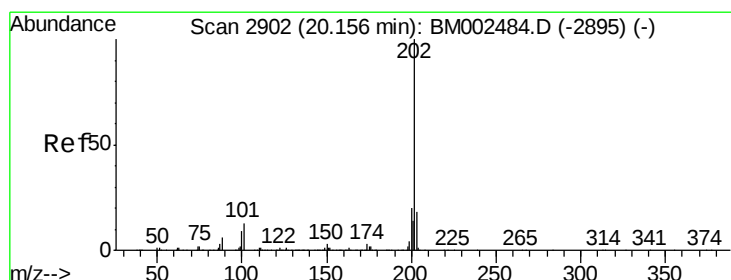
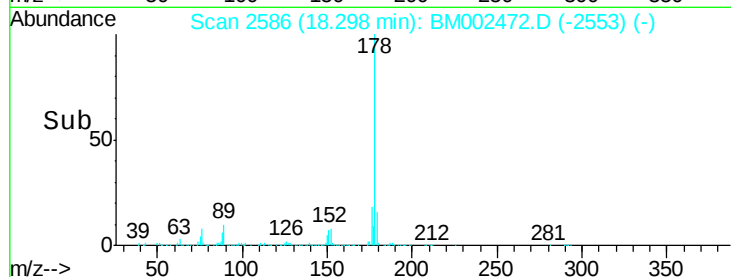
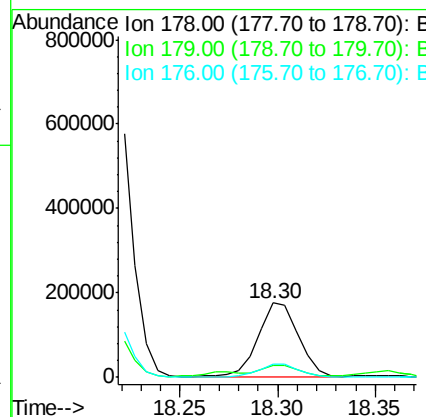
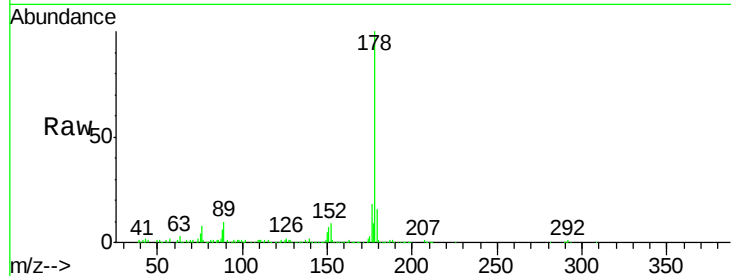
#15
 Anthracene
 Concen: 8.48 ng/ul
 RT: 18.30 min Scan# 2586
 Delta R.T. -0.01 min
 Lab File: BM002472.D
 Acq: 18 Aug 2015 03:55

Instrument :
 BNA_M
 ClientSampleId :
 D9DE1

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.6	18.8
176	17.8	14.5	21.7

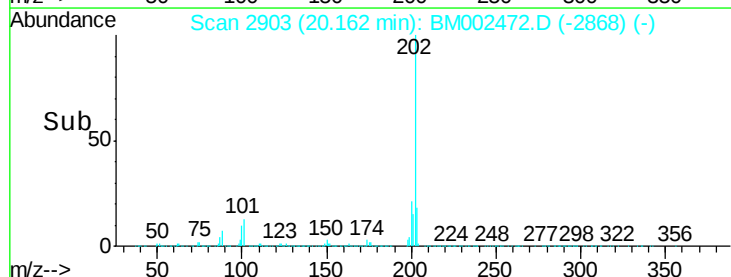
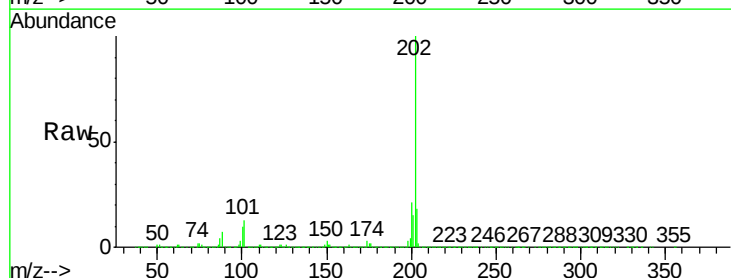
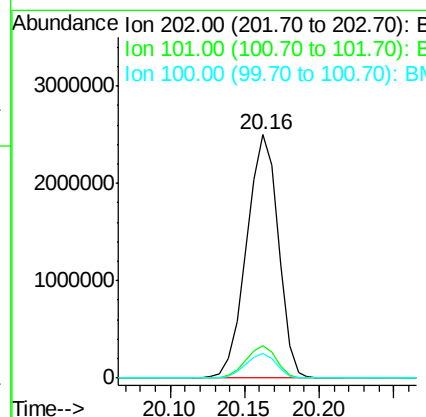
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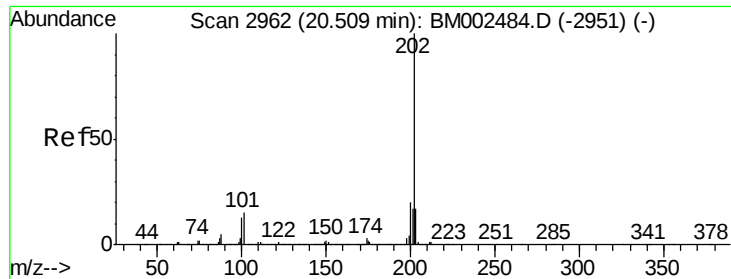
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#16
 Fluoranthene
 Concen: 108.97 ng/ul
 RT: 20.16 min Scan# 2903
 Delta R.T. 0.01 min
 Lab File: BM002472.D
 Acq: 18 Aug 2015 03:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	9.7	14.5
100	10.3	7.4	11.2





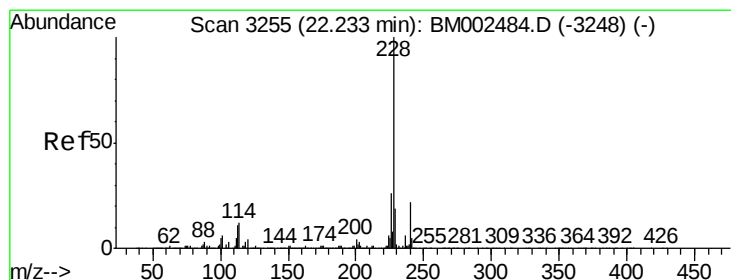
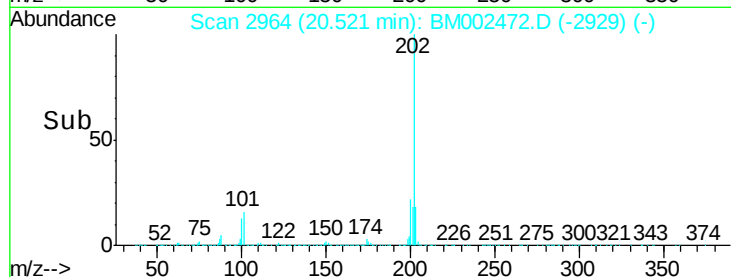
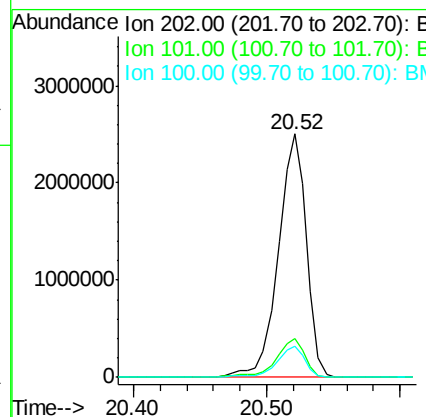
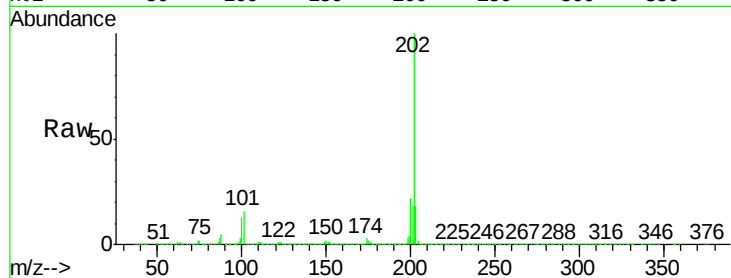
#19
 Pyrene
 Concen: 171.92 ng/ul
 RT: 20.52 min Scan# 2964
 Delta R.T. 0.01 min
 Lab File: BM002472.D
 Acq: 18 Aug 2015 03:55

Instrument :
 BNA_M
 ClientSampleId :
 D9DE1

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.7	12.0	18.0
100	12.8	9.7	14.5

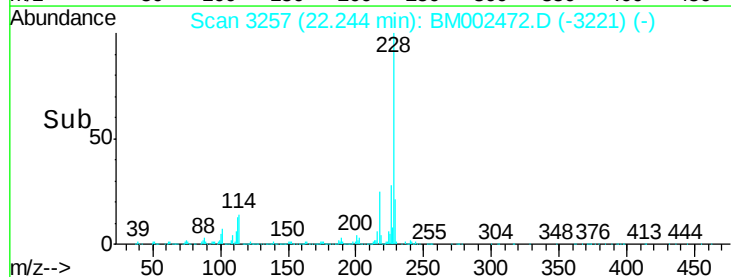
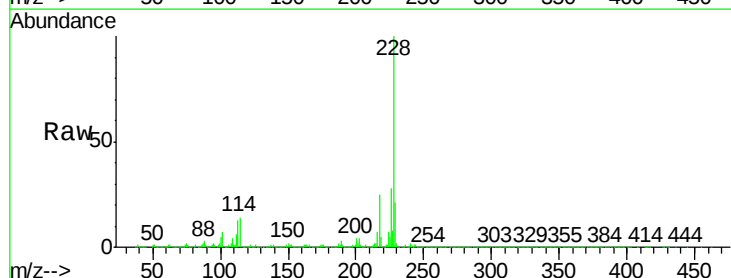
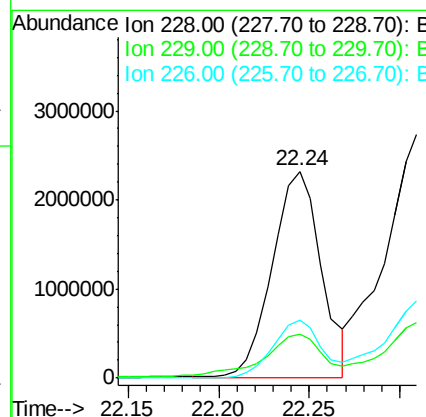
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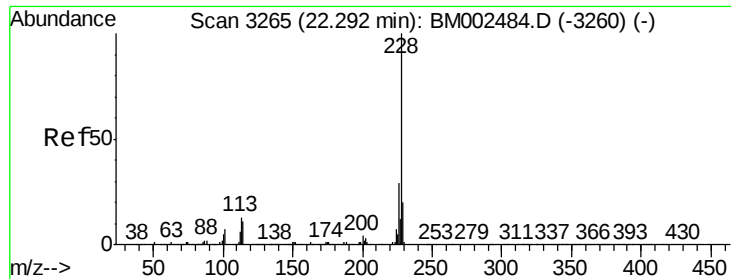
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#20
 Benzo(a)anthracene
 Concen: 199.99 ng/ul
 RT: 22.24 min Scan# 3257
 Delta R.T. 0.01 min
 Lab File: BM002472.D
 Acq: 18 Aug 2015 03:55

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.8	23.6
226	28.0	21.1	31.7





#21

Chrysene

Concen: 256.22 ng/ul

RT: 22.31 min Scan# 3268

Delta R.T. 0.02 min

Lab File: BM002472.D

Acq: 18 Aug 2015 03:55

Instrument :

BNA_M

ClientSampleId :

D9DE1

Tgt Ion:228 Resp: 5243310

Ion Ratio Lower Upper

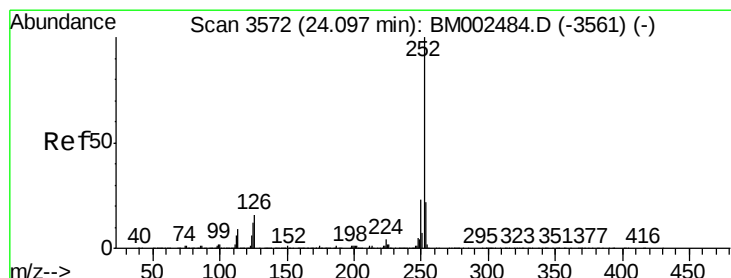
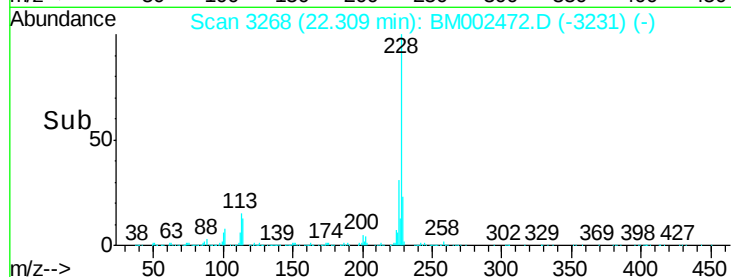
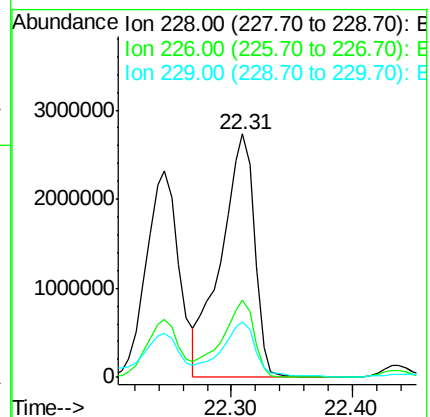
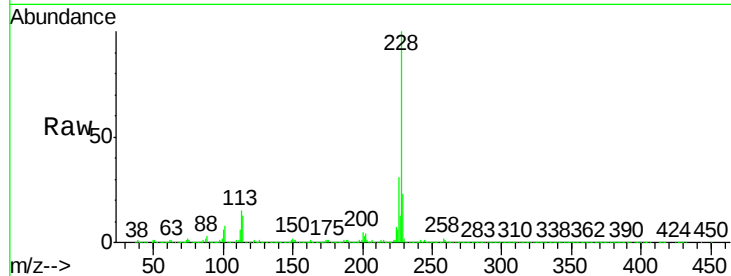
228 100

226 31.5 23.4 35.2

229 22.9 15.7 23.5

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#23

Benzo(b)fluoranthene

Concen: 440.88 ng/ul

RT: 24.16 min Scan# 3583

Delta R.T. 0.06 min

Lab File: BM002472.D

Acq: 18 Aug 2015 03:55

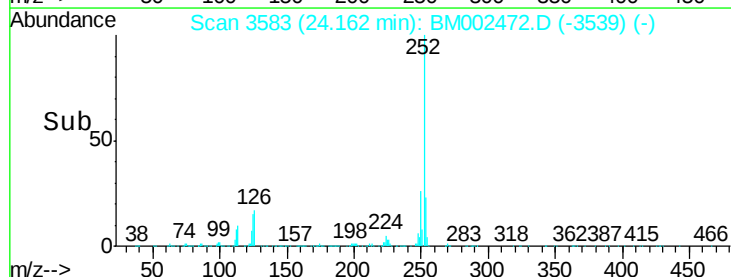
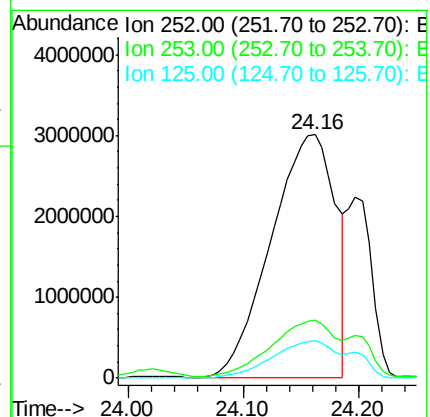
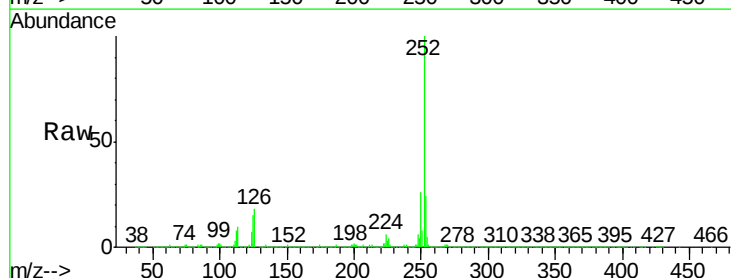
Tgt Ion:252 Resp:11646201

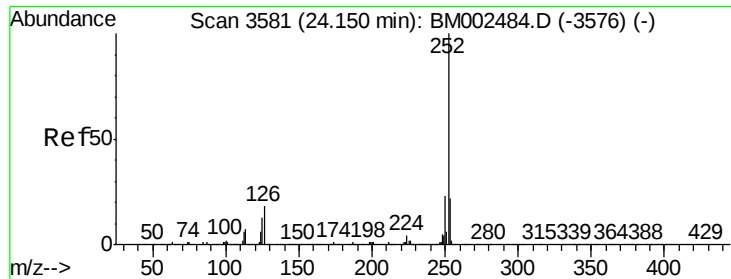
Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

125 15.3 10.0 15.0#





#24

Benzo(k)fluoranthene

Concen: 132.93 ng/ul m

RT: 24.20 min Scan# 3589

Delta R.T. 0.04 min

Lab File: BM002472.D

Acq: 18 Aug 2015 03:55

Instrument :

BNA_M

ClientSampleId :

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Tgt Ion:252 Resp: 3327649

Ion Ratio Lower Upper

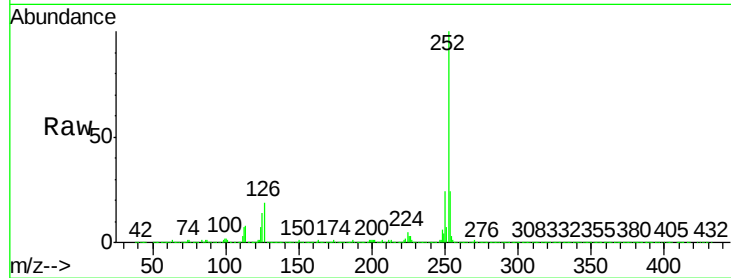
252 100

253 23.7 17.8 26.6

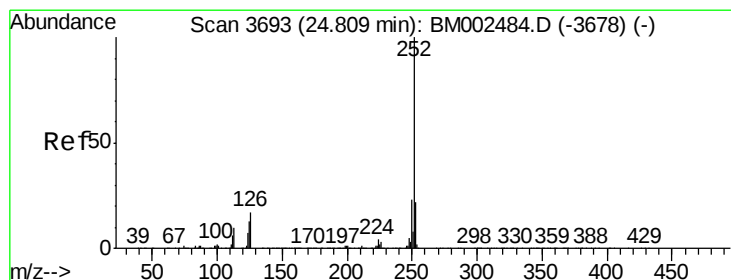
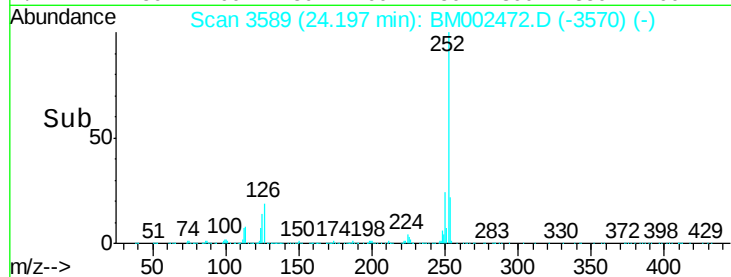
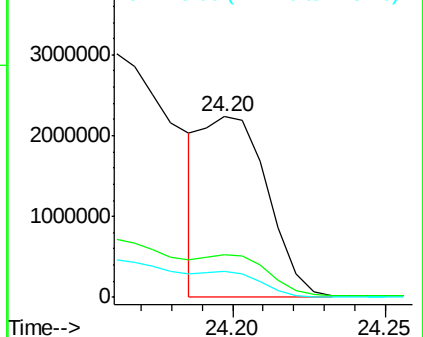
125 14.1 9.8 14.8

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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: 287.85 ng/ul

RT: 24.88 min Scan# 3705

Delta R.T. 0.06 min

Lab File: BM002472.D

Acq: 18 Aug 2015 03:55

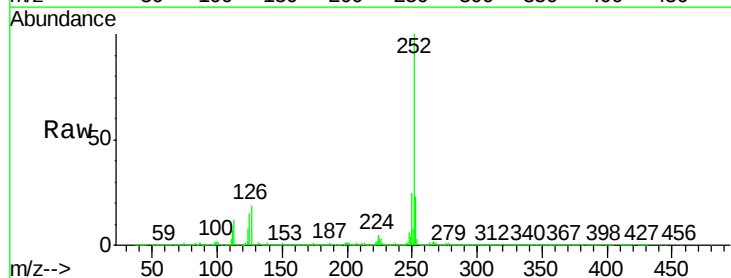
Tgt Ion:252 Resp: 7262831

Ion Ratio Lower Upper

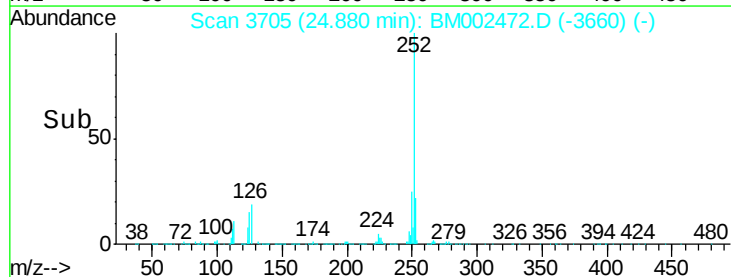
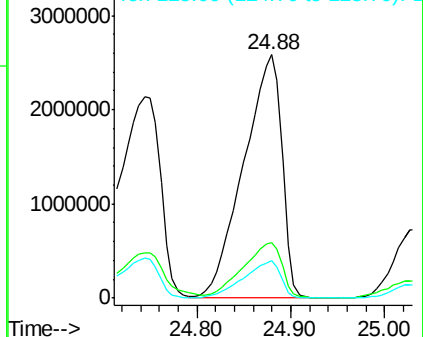
252 100

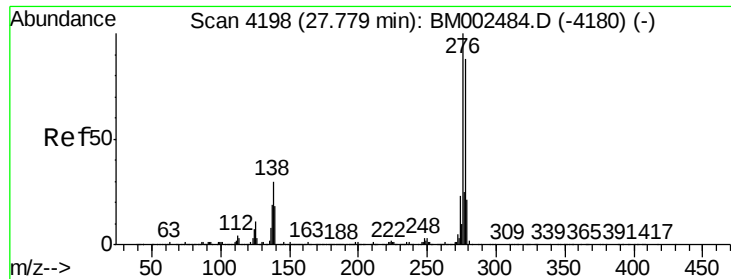
253 23.0 17.6 26.4

125 15.2 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





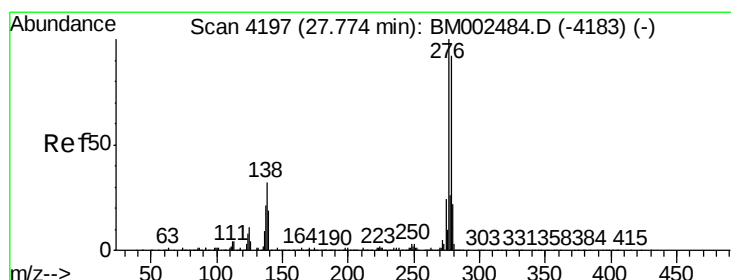
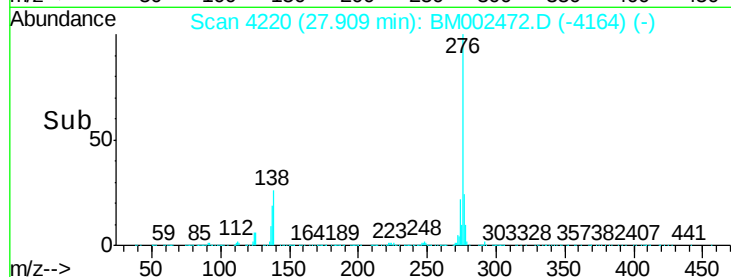
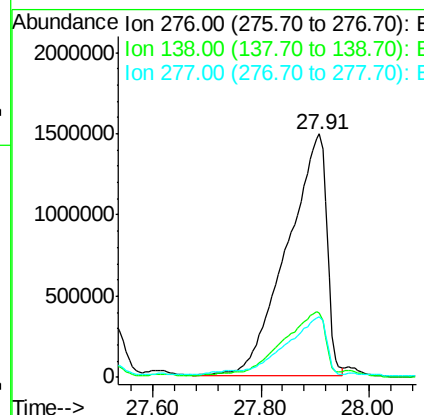
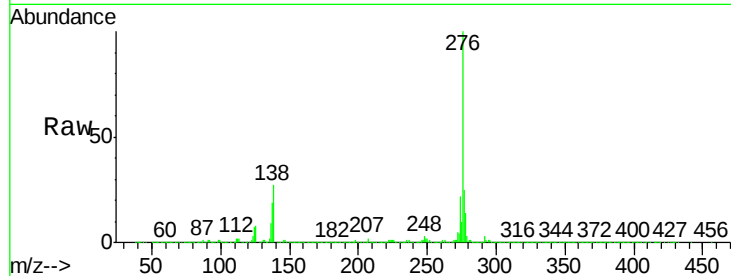
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 261.53 ng/ul
 RT: 27.91 min Scan# 4220
 Delta R.T. 0.13 min
 Lab File: BM002472.D
 Acq: 18 Aug 2015 03:55

Instrument :
 BNA_M
 ClientSampleId :
 D9DE1

Tgt Ion: 276 Resp: 7588850
 Ion Ratio Lower Upper
 276 100
 138 26.5 25.3 37.9
 277 24.8 20.2 30.2

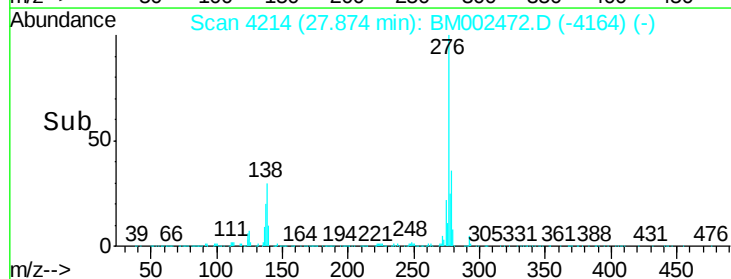
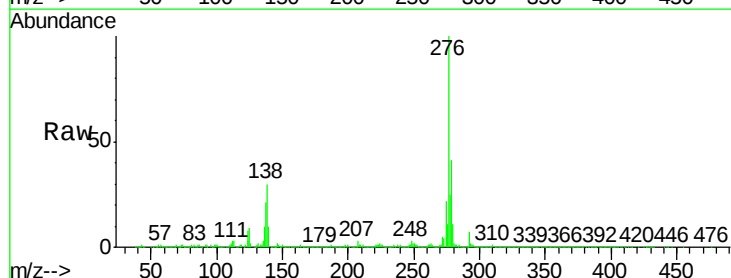
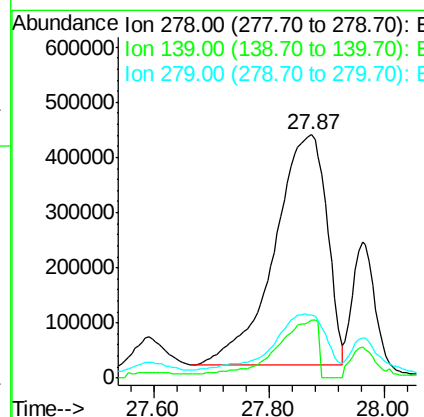
Manual Integrations
 APPROVED

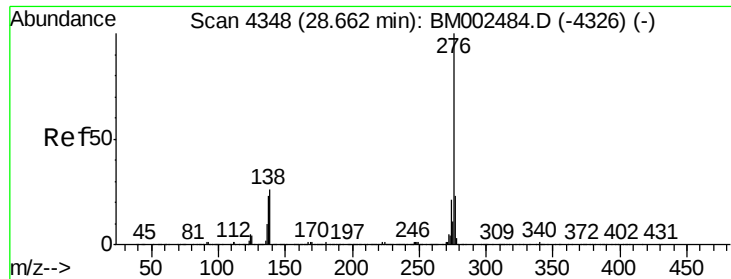
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#28
 Dibenzo(a,h)anthracene
 Concen: 108.61 ng/ul
 RT: 27.87 min Scan# 4214
 Delta R.T. 0.09 min
 Lab File: BM002472.D
 Acq: 18 Aug 2015 03:55

Tgt Ion: 278 Resp: 2634212
 Ion Ratio Lower Upper
 278 100
 139 23.6 16.5 24.7
 279 26.0 18.8 28.2





#29
 Benzo(g,h,i)perylene
 Concen: 285.14 ng/ul
 RT: 28.81 min Scan# 4374
 Delta R.T. 0.15 min
 Lab File: BM002472.D
 Acq: 18 Aug 2015 03:55

Instrument :
 BNA_M
 ClientSampleId :
 D9DE1

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.1	21.0	31.6
277	25.0	19.2	28.8

Manual Integrations
 APPROVED

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