

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081415\
 Data File : BM002425.D
 Acq On : 15 Aug 2015 15:21
 Operator : UM/IZ
 Sample : G3219-05DL 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9D98DL

Manual Integrations
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 8/17/2015 2:45:51 PM

Quant Time: Aug 17 05:00:54 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 17 02:54:04 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	163465	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	758570	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	407447	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	816174	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	564592	20.00	ng/ul	0.01
22) Perylene-d12	24.90	264	501914	20.00	ng/ul	0.02

System Monitoring Compounds

7) Acenaphthylene-d8	15.15	160	253742	6.09	ng/ul	0.00
10) Fluorene-d10	16.42	176	171201	5.85	ng/ul	0.00
14) Anthracene-d10	18.26	188	236907	6.02	ng/ul	0.01
18) Pyrene-d10	20.47	212	186335	7.45	ng/ul	0.01
25) Benzo(a)pyrene-d12	24.73	264	108637	4.12	ng/ul	0.02

Target Compounds

						Qvalue
3) Naphthalene	11.79	128	315626	8.15	ng/ul	100
4) 2-Methylnaphthalene	13.33	142	99854	3.44	ng/ul	99
5) 1-Methylnaphthalene	13.54	142	87927	3.06	ng/ul	98
9) Acenaphthene	15.51	153	379744	13.22	ng/ul	99
11) Fluorene	16.47	166	392752	11.93	ng/ul	99
13) Phenanthrene	18.21	178	5623262	119.31	ng/ul	98
15) Anthracene	18.29	178	1008188	21.11	ng/ul	100
16) Fluoranthene	20.16	202	6943237	130.12	ng/ul#	94
19) Pyrene	20.51	202	5585939	168.88	ng/ul	96
20) Benzo(a)anthracene	22.22	228	2150889	63.71	ng/ul	99
21) Chrysene	22.28	228	2068118	65.49	ng/ul	97
23) Benzo(b)fluoranthene	24.09	252	2536665	83.60	ng/ul	98
24) Benzo(k)fluoranthene	24.13	252	882457m	30.69	ng/ul	
26) Benzo(a)pyrene	24.79	252	1640882	56.62	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.73	276	1251626	37.55	ng/ul	93
28) Dibenzo(a,h)anthracene	27.72	278	313556m	11.25	ng/ul	
29) Benzo(g,h,i)perylene	28.61	276	1140466	41.11	ng/ul	99

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

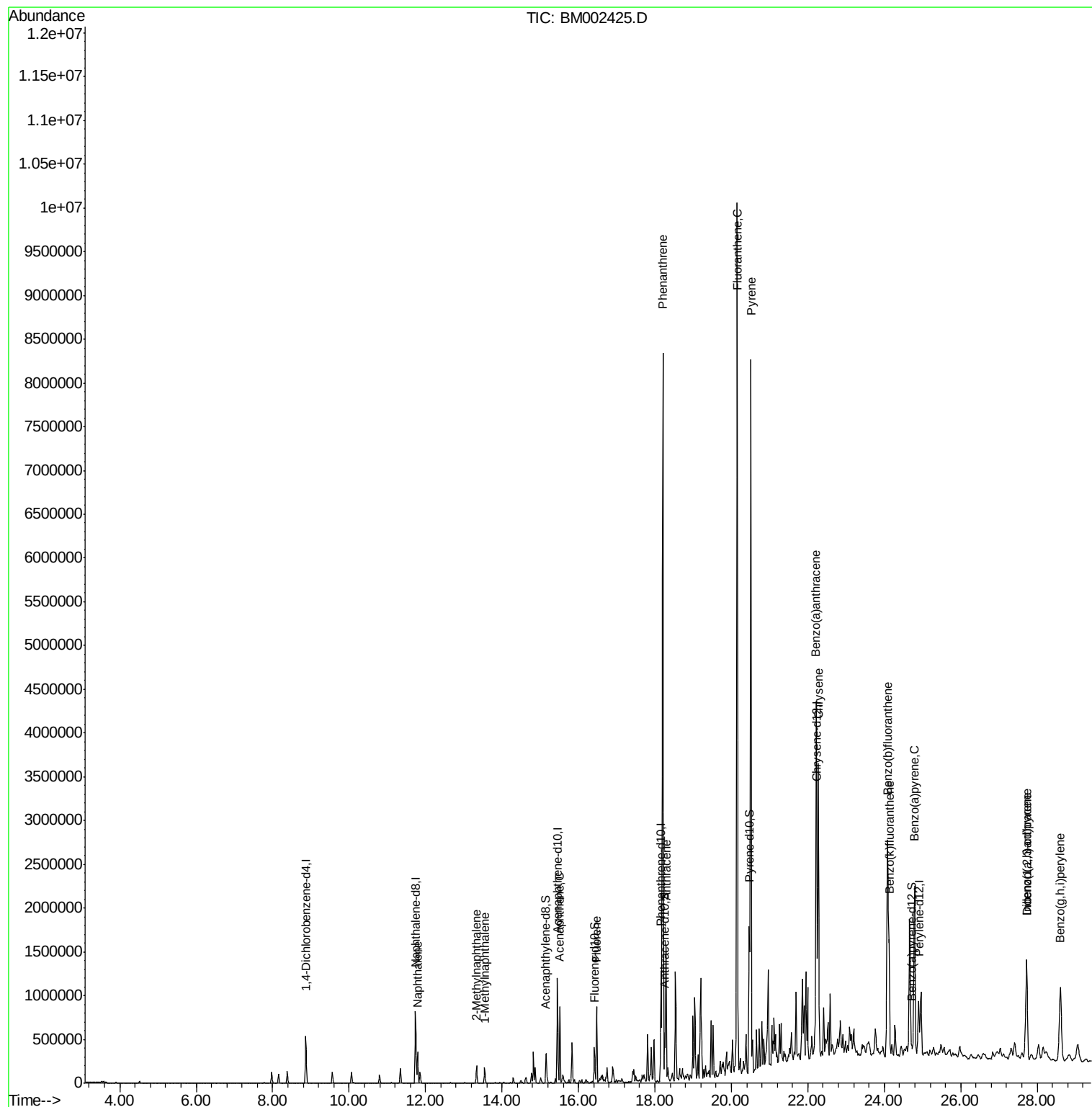
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081415\
Data File : BM002425.D
Acq On : 15 Aug 2015 15:21
Operator : UM/IZ
Sample : G3219-05DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

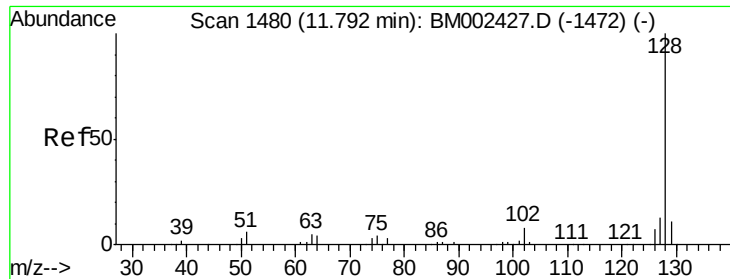
Instrument :
BNA_M
ClientSampleId :
D9D98DL

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Quant Time: Aug 17 05:00:54 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 17 02:54:04 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 8.15 ng/ul

RT: 11.79 min Scan# 1480

Delta R.T. 0.01 min

Lab File: BM002425.D

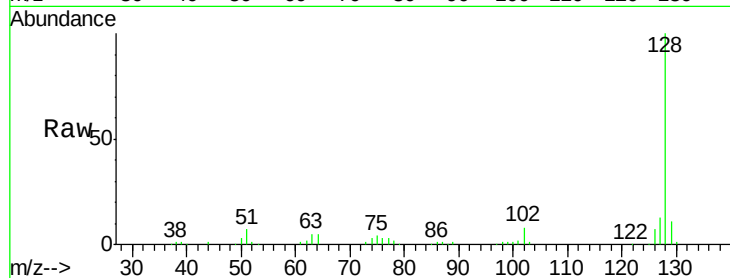
Acq: 15 Aug 2015 15:21

Instrument :

BNA_M

ClientSampleId :

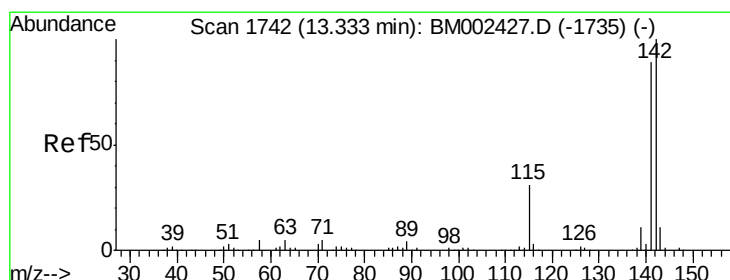
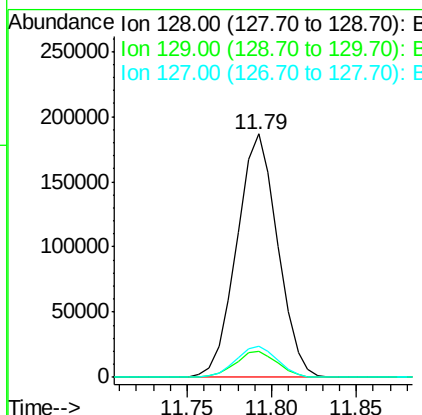
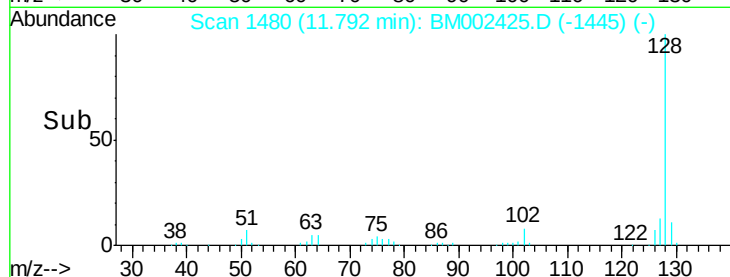
D9D98DL



Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	12.7	10.4	15.6

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#4

2-Methylnaphthalene

Concen: 3.44 ng/ul

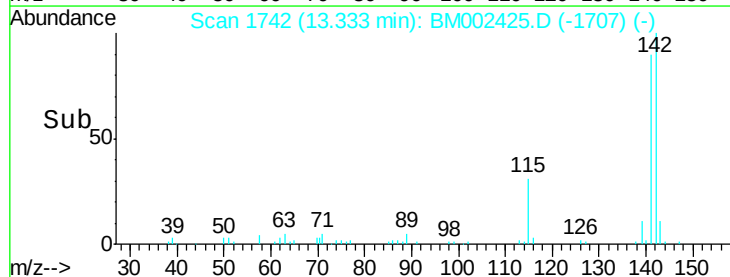
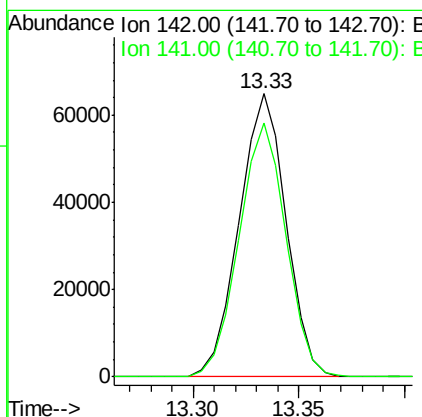
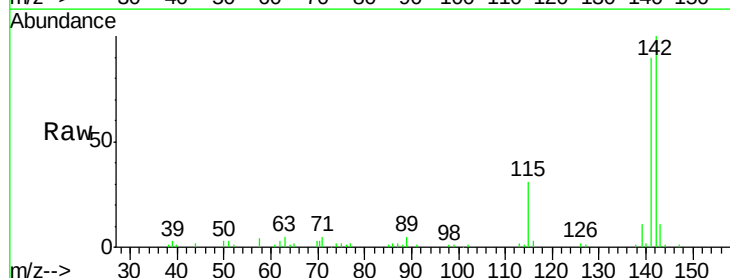
RT: 13.33 min Scan# 1742

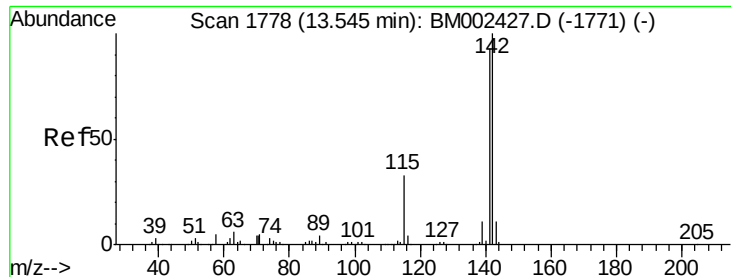
Delta R.T. 0.01 min

Lab File: BM002425.D

Acq: 15 Aug 2015 15:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.7	72.2	108.2





#5

1-Methylnaphthalene

Concen: 3.06 ng/ul

RT: 13.54 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BM002425.D

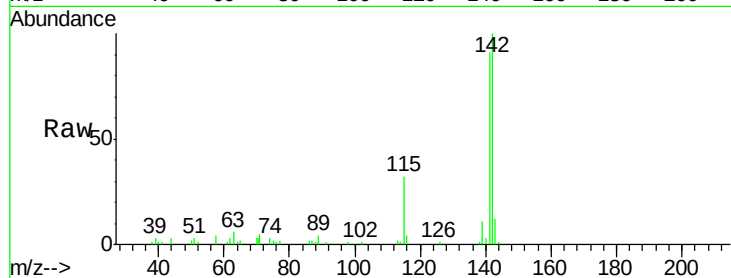
Acq: 15 Aug 2015 15:21

Instrument :

BNA_M

ClientSampleId :

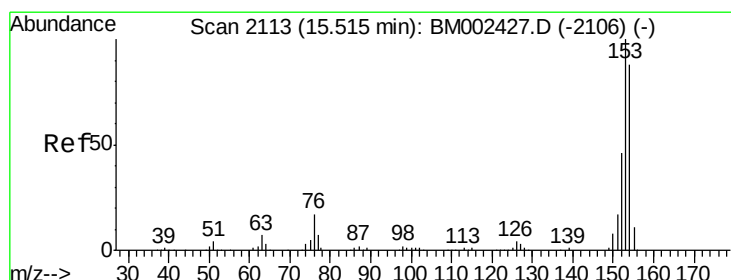
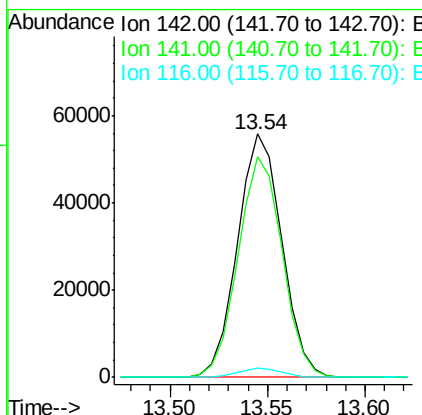
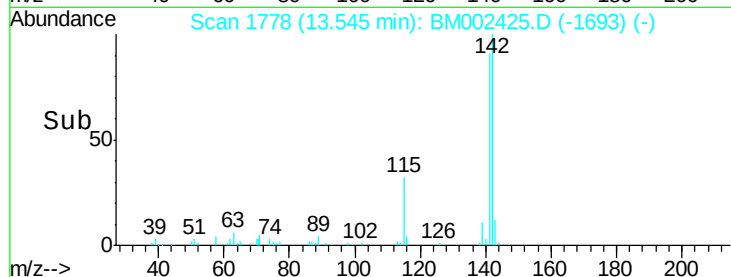
D9D98DL



Tgt Ion:	142	Resp:	87927
Ion Ratio	Lower	Upper	
142	100		
141	90.6	73.9	110.9
116	3.7	3.0	4.4

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#9

Acenaphthene

Concen: 13.22 ng/ul

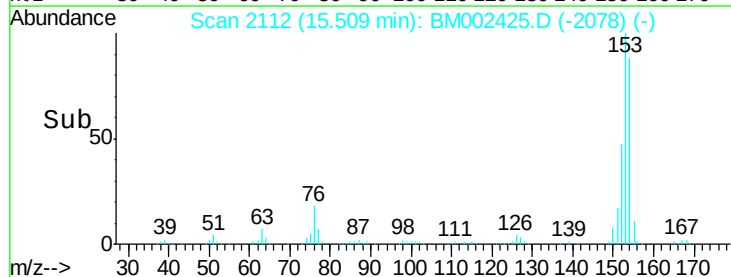
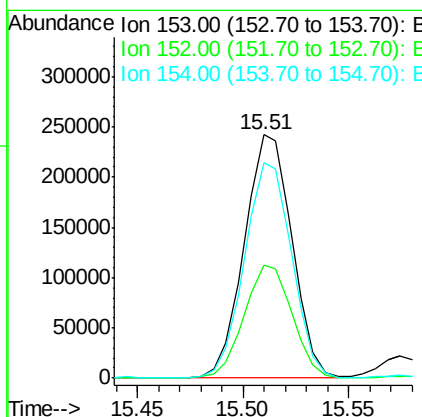
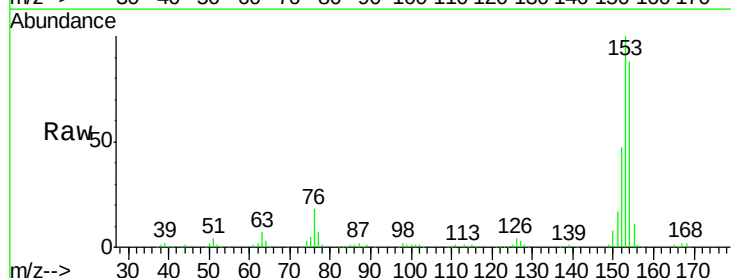
RT: 15.51 min Scan# 2112

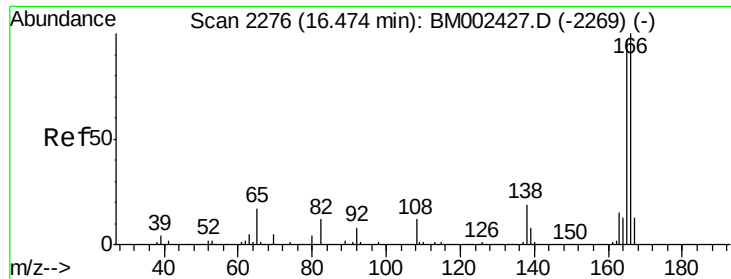
Delta R.T. 0.00 min

Lab File: BM002425.D

Acq: 15 Aug 2015 15:21

Tgt Ion:	153	Resp:	379744
Ion Ratio	Lower	Upper	
153	100		
152	46.6	36.9	55.3
154	88.2	71.3	106.9





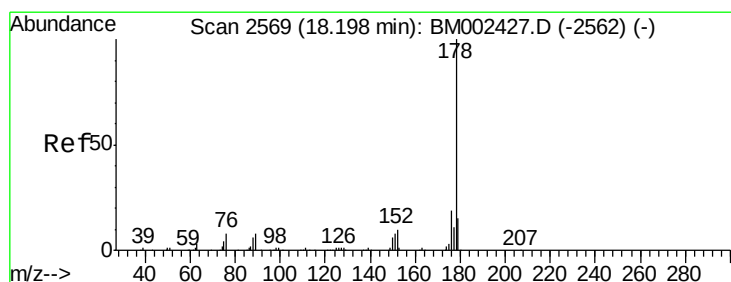
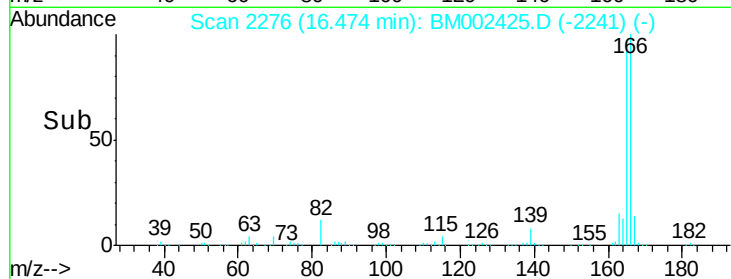
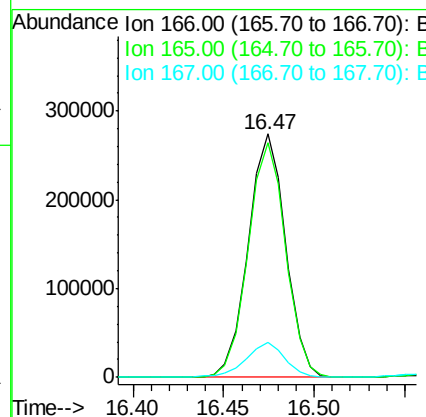
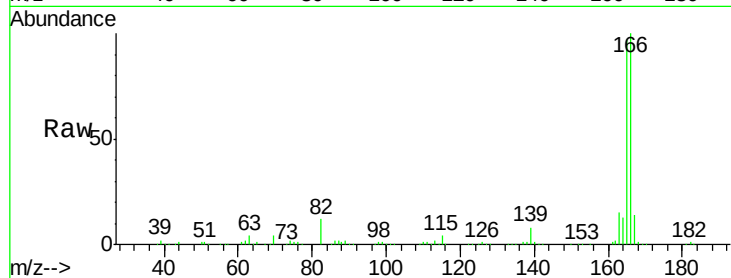
#11
Fluorene
 Concen: 11.93 ng/ul
 RT: 16.47 min Scan# 2276
 Delta R.T. 0.01 min
 Lab File: BM002425.D
 Acq: 15 Aug 2015 15:21

Instrument :
 BNA_M
 ClientSampleId :
 D9D98DL

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	392752		
165	96.6	77.6	116.4	
167	14.2	10.7	16.1	

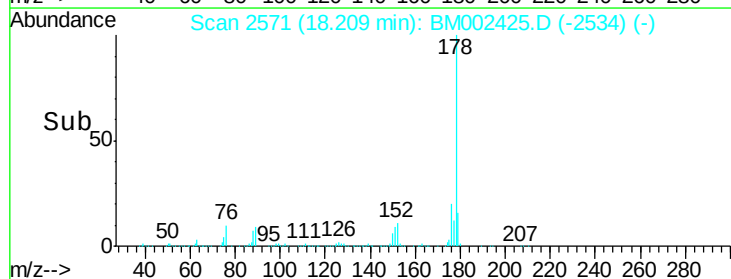
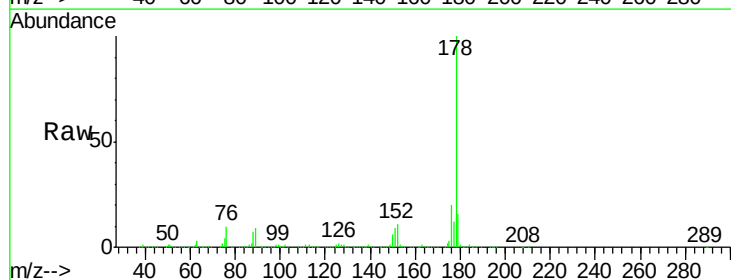
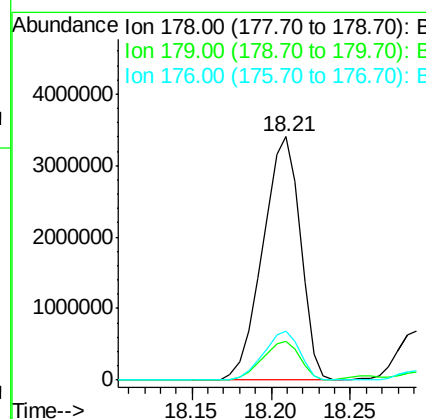
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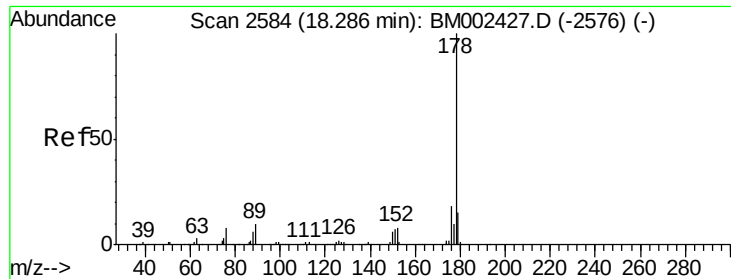
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#13
Phenanthrene
 Concen: 119.31 ng/ul
 RT: 18.21 min Scan# 2571
 Delta R.T. 0.02 min
 Lab File: BM002425.D
 Acq: 15 Aug 2015 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	5623262		
179	16.0	12.4	18.6	
176	20.0	15.1	22.7	





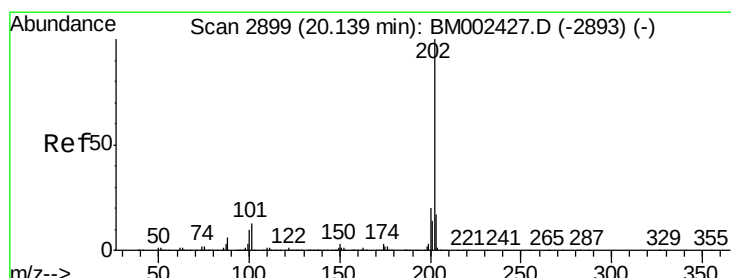
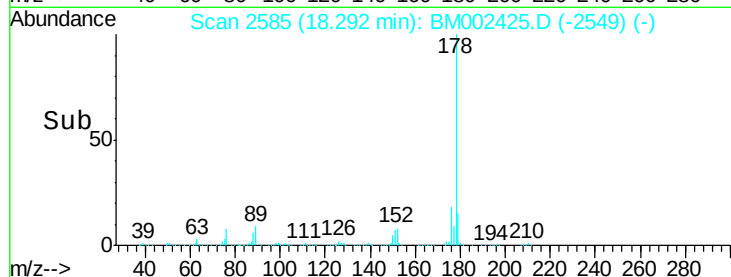
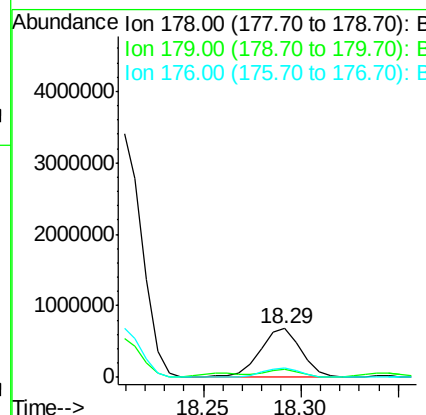
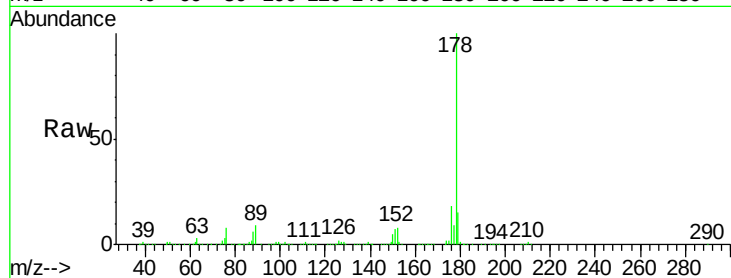
#15
 Anthracene
 Concen: 21.11 ng/ul
 RT: 18.29 min Scan# 2585
 Delta R.T. 0.01 min
 Lab File: BM002425.D
 Acq: 15 Aug 2015 15:21

Instrument :
 BNA_M
 ClientSampleId :
 D9D98DL

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.6	18.8
176	18.2	14.5	21.7

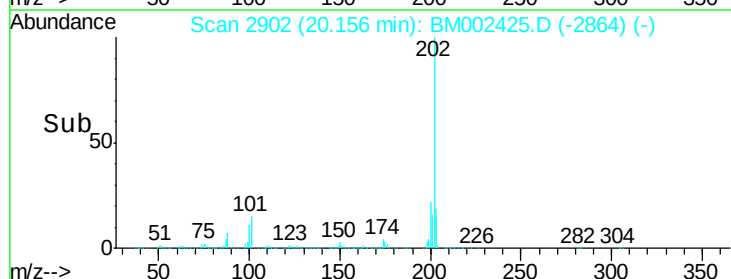
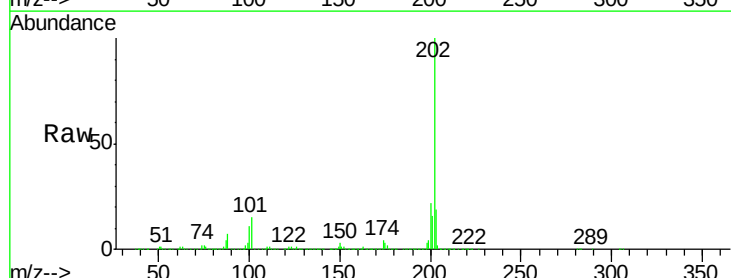
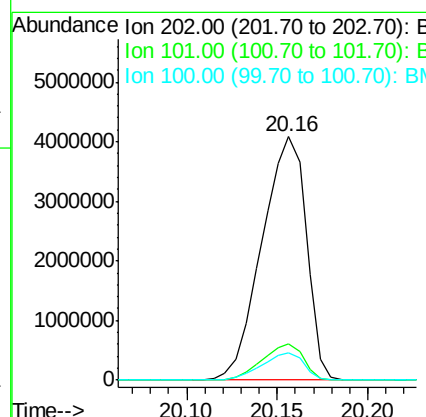
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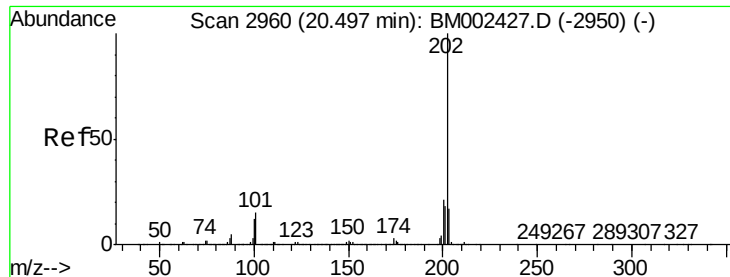
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#16
 Fluoranthene
 Concen: 130.12 ng/ul
 RT: 20.16 min Scan# 2902
 Delta R.T. 0.02 min
 Lab File: BM002425.D
 Acq: 15 Aug 2015 15:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.8	9.7	14.5#
100	11.4	7.4	11.2#





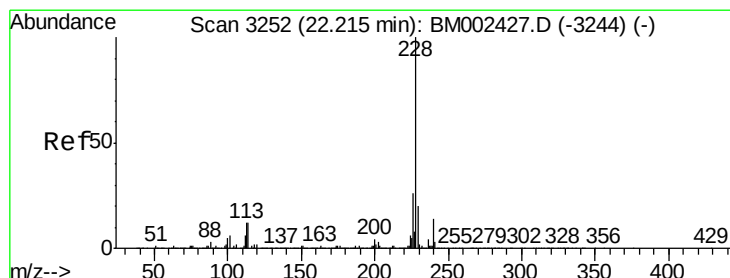
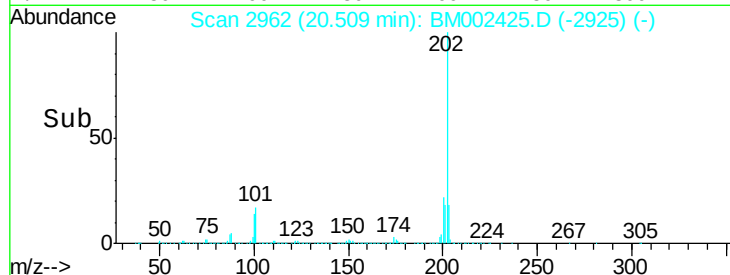
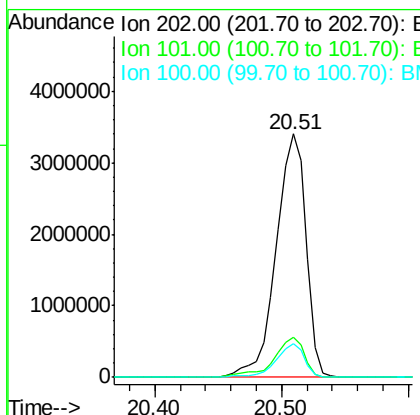
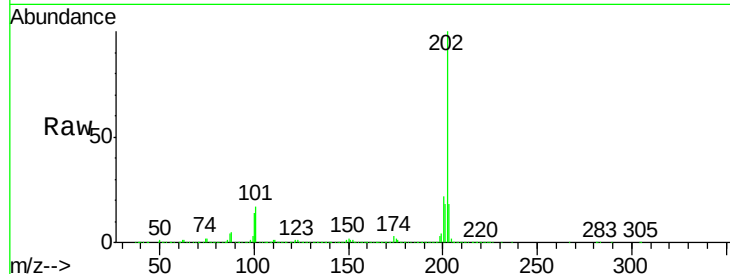
#19
 Pyrene
 Concen: 168.88 ng/ul
 RT: 20.51 min Scan# 2962
 Delta R.T. 0.02 min
 Lab File: BM002425.D
 Acq: 15 Aug 2015 15:21

Instrument :
 BNA_M
 ClientSampleId :
 D9D98DL

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.6	12.0	18.0
100	13.6	9.7	14.5

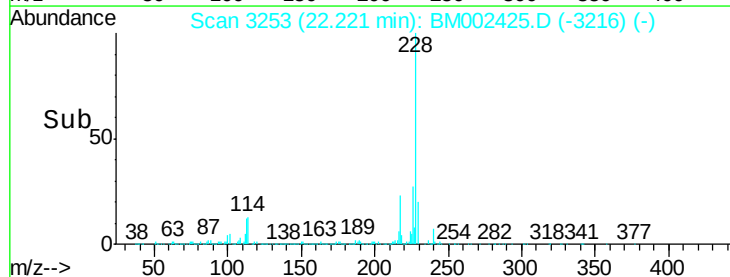
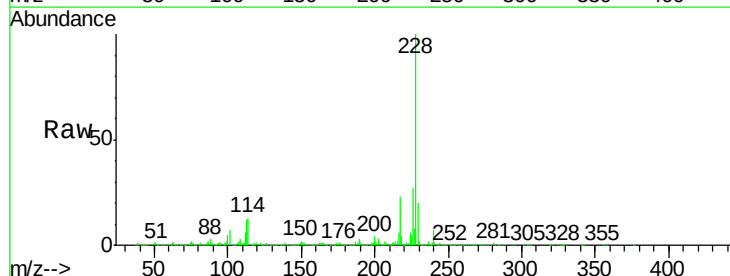
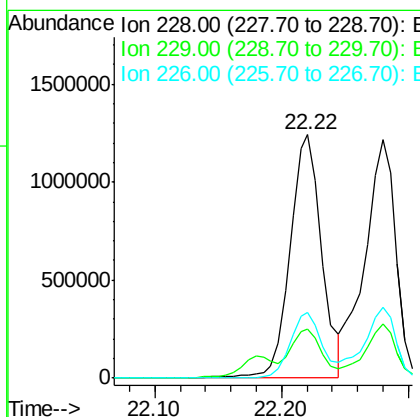
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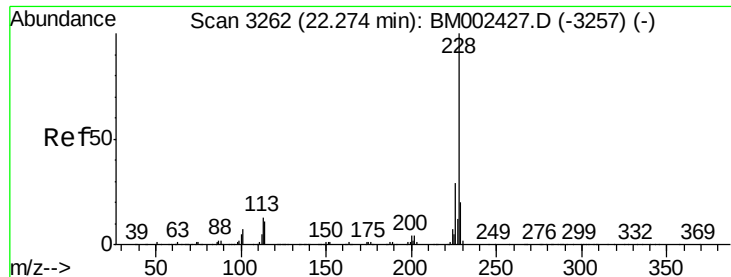
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#20
 Benzo(a)anthracene
 Concen: 63.71 ng/ul
 RT: 22.22 min Scan# 3253
 Delta R.T. 0.02 min
 Lab File: BM002425.D
 Acq: 15 Aug 2015 15:21

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.8	23.6
226	27.2	21.1	31.7





#21

Chrysene

Concen: 65.49 ng/ul

RT: 22.28 min Scan# 3263

Delta R.T. 0.02 min

Lab File: BM002425.D

Acq: 15 Aug 2015 15:21

Instrument :

BNA_M

ClientSampleId :

D9D98DL

Tgt Ion:228 Resp: 2068118

Ion Ratio Lower Upper

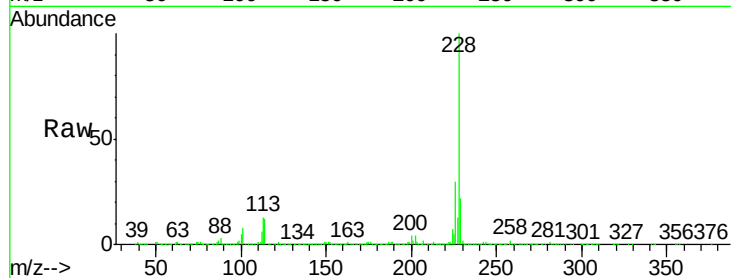
228 100

226 29.8 23.4 35.2

229 22.5 15.7 23.5

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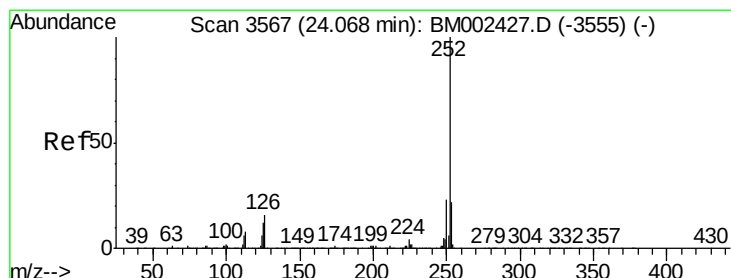
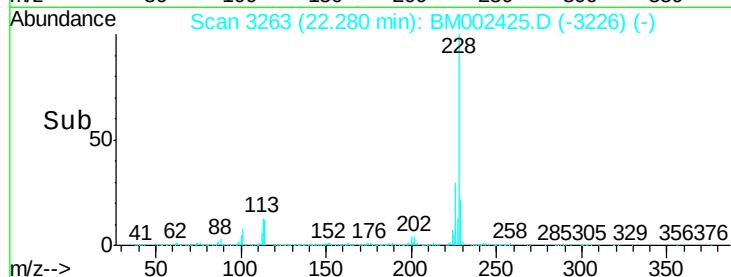
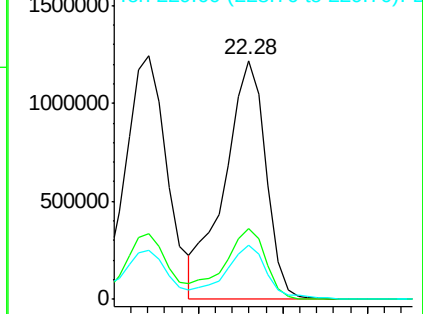
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#23

Benzo(b)fluoranthene

Concen: 83.60 ng/ul

RT: 24.09 min Scan# 3570

Delta R.T. 0.03 min

Lab File: BM002425.D

Acq: 15 Aug 2015 15:21

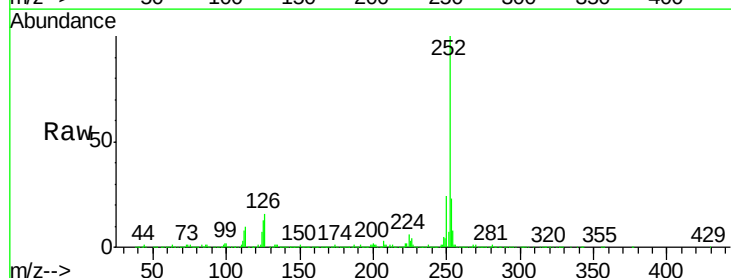
Tgt Ion:252 Resp: 2536665

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

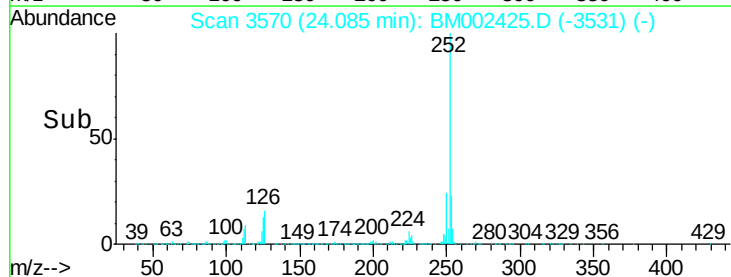
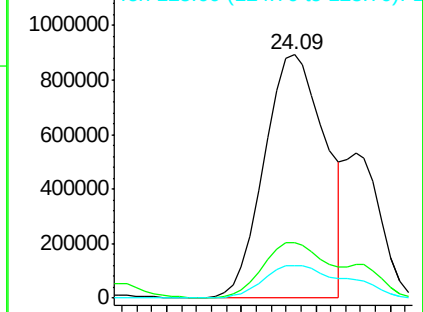
125 13.4 10.0 15.0

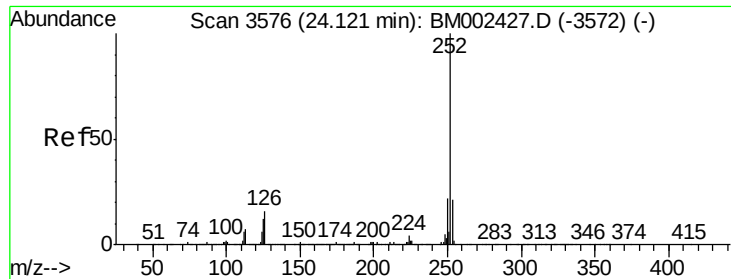


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 30.69 ng/ul m

RT: 24.13 min Scan# 3577

Delta R.T. 0.02 min

Lab File: BM002425.D

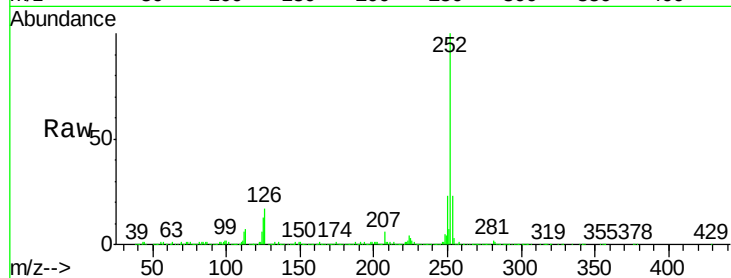
Acq: 15 Aug 2015 15:21

Instrument :

BNA_M

ClientSampleId :

D9D98DL



Tgt Ion: 252 Resp: 882457

Ion Ratio Lower Upper

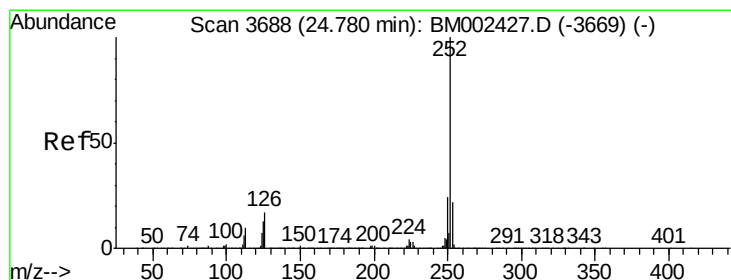
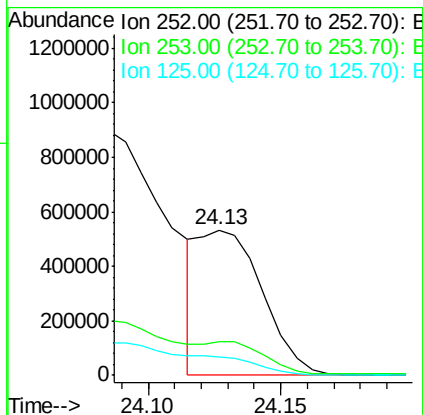
252 100

253 23.3 17.8 26.6

125 12.8 9.8 14.8

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#26

Benzo(a)pyrene

Concen: 56.62 ng/ul

RT: 24.79 min Scan# 3690

Delta R.T. 0.03 min

Lab File: BM002425.D

Acq: 15 Aug 2015 15:21

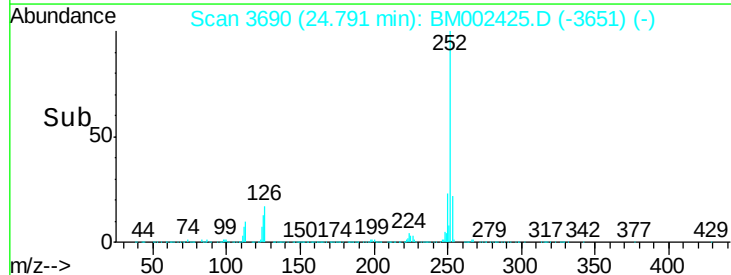
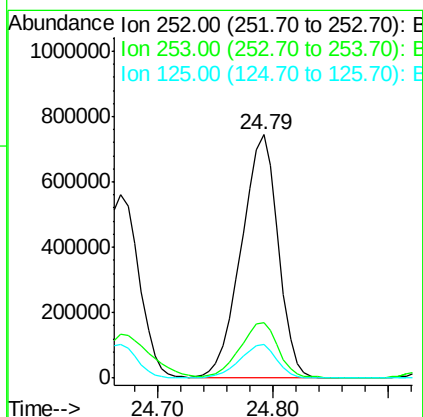
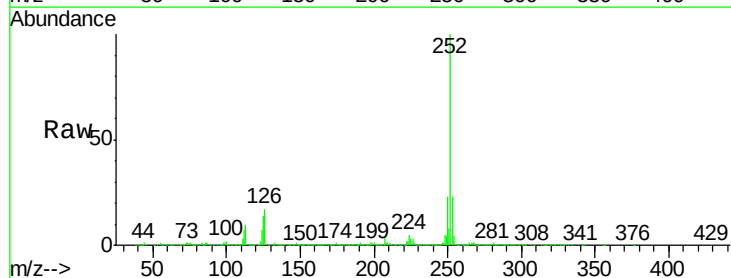
Tgt Ion: 252 Resp: 1640882

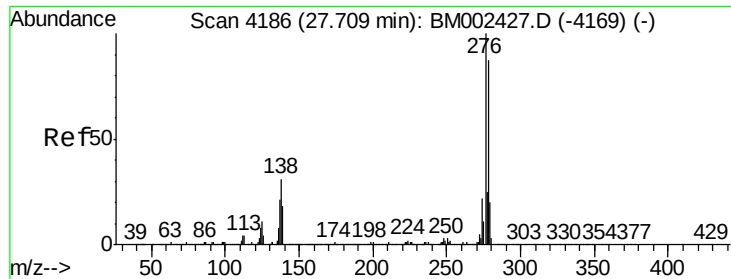
Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 13.7 10.7 16.1





#27

Indeno(1,2,3-cd)pyrene

Concen: 37.55 ng/ul

RT: 27.73 min Scan# 4189

Delta R.T. 0.04 min

Lab File: BM002425.D

Acq: 15 Aug 2015 15:21

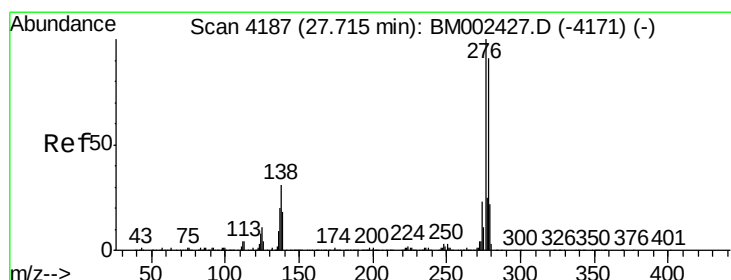
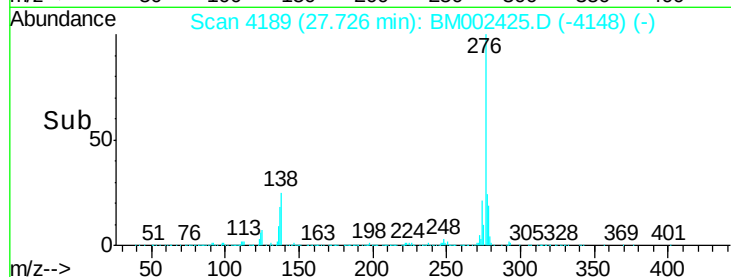
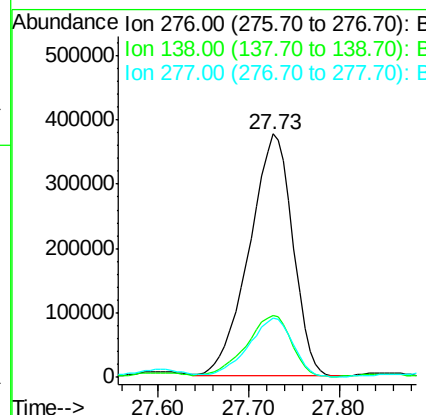
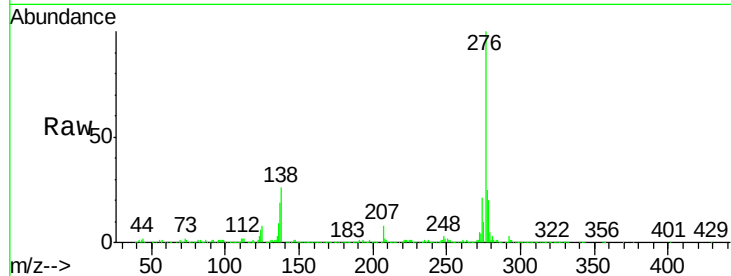
Instrument :
BNA_M

ClientSampleId :
D9D98DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.6	25.3	37.9
277	24.6	20.2	30.2

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:45:51 PM



#28

Dibenzo(a,h)anthracene

Concen: 11.25 ng/ul m

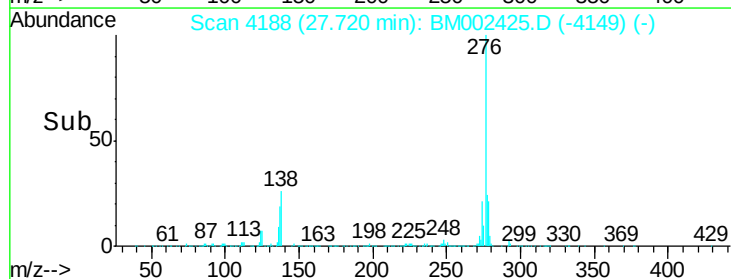
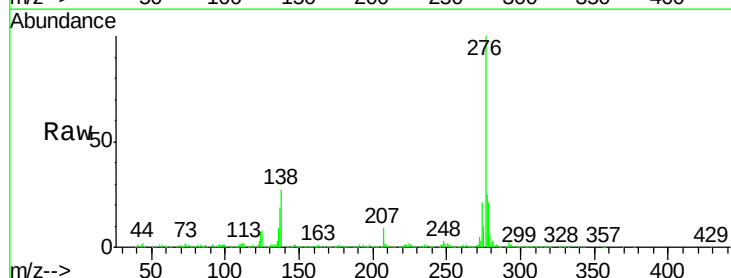
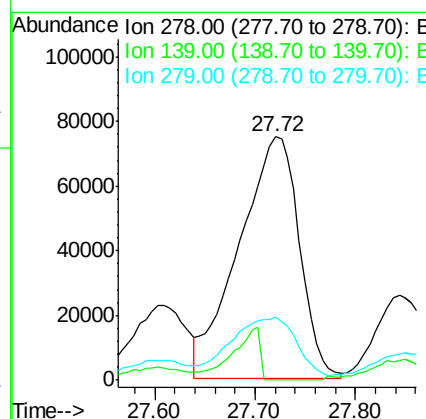
RT: 27.72 min Scan# 4188

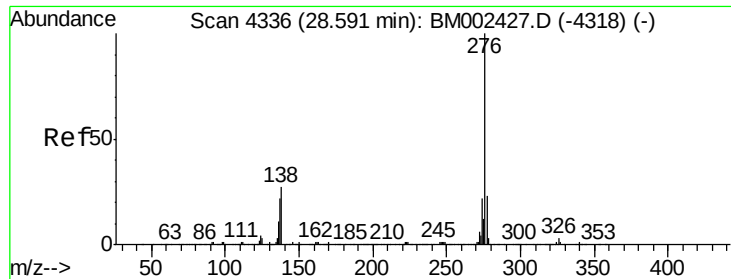
Delta R.T. 0.03 min

Lab File: BM002425.D

Acq: 15 Aug 2015 15:21

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.5	24.7#
279	26.1	18.8	28.2





#29

Benzo(g,h,i)perylene

Concen: 41.11 ng/ul

RT: 28.61 min Scan# 4339

Delta R.T. 0.05 min

Lab File: BM002425.D

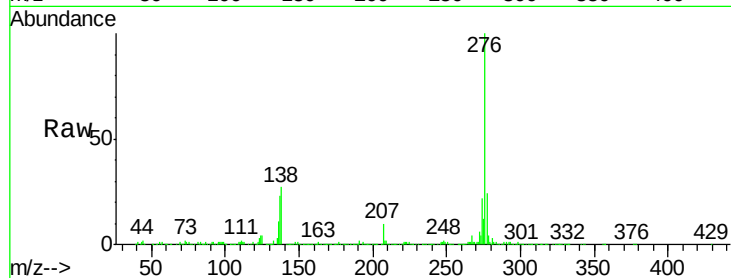
Acq: 15 Aug 2015 15:21

Instrument :

BNA_M

ClientSampleId :

D9D98DL



Tgt Ion: 276 Resp: 1140466

Ion Ratio Lower Upper

276 100

138 27.1 21.0 31.6

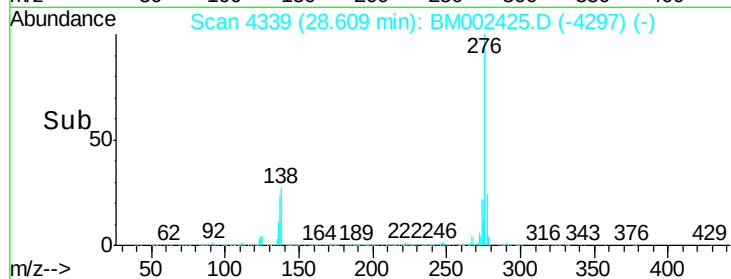
277 24.3 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

8/17/2015 2:45:51 PM



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

