

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081715\
 Data File : BM002473.D
 Acq On : 18 Aug 2015 04:31
 Operator : UM/IZ
 Sample : G3227-23
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DE2

Manual Integrations
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 8/18/2015 5:19:33 PM

Quant Time: Aug 18 07:08:32 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	147268	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	654232	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	330113	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.17	188	564991	20.00	ng/ul	0.00
17) Chrysene-d12	22.26	240	378365	20.00	ng/ul	0.01
22) Perylene-d12	24.96	264	466916m	20.00	ng/ul	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.17	160	871253	25.81	ng/ul	0.00
10) Fluorene-d10	16.43	176	546140	23.04	ng/ul	0.00
14) Anthracene-d10	18.27	188	670033	24.59	ng/ul	0.00
18) Pyrene-d10	20.49	212	495529	29.55	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.79	264	472647m	19.27	ng/ul	0.04

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	11.80	128	120515	3.61	ng/ul	99
4) 2-Methylnaphthalene	13.35	142	71680	2.87	ng/ul	100
5) 1-Methylnaphthalene	13.56	142	52283	2.11	ng/ul	99
9) Acenaphthene	15.52	153	54173	2.33	ng/ul	97
11) Fluorene	16.49	166	82979	3.11	ng/ul	95
13) Phenanthrene	18.22	178	1203745	36.90	ng/ul	100
15) Anthracene	18.30	178	277074	8.38	ng/ul	99
16) Fluoranthene	20.16	202	3289216	89.05	ng/ul	97
19) Pyrene	20.52	202	3094296	139.60	ng/ul	98
20) Benzo(a)anthracene	22.24	228	3600646	159.14	ng/ul	97
21) Chrysene	22.31	228	4124523	194.90	ng/ul	96
23) Benzo(b)fluoranthene	24.15	252	8828221m	312.76	ng/ul	
24) Benzo(k)fluoranthene	24.19	252	2584362m	96.61	ng/ul	
26) Benzo(a)pyrene	24.87	252	6128523m	227.31	ng/ul	
27) Indeno(1,2,3-cd)pyrene	27.89	276	5332965m	171.99	ng/ul	
28) Dibenzo(a,h)anthracene	27.85	278	1803530m	69.59	ng/ul	
29) Benzo(g,h,i)perylene	28.79	276	4770462m	184.83	ng/ul	

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

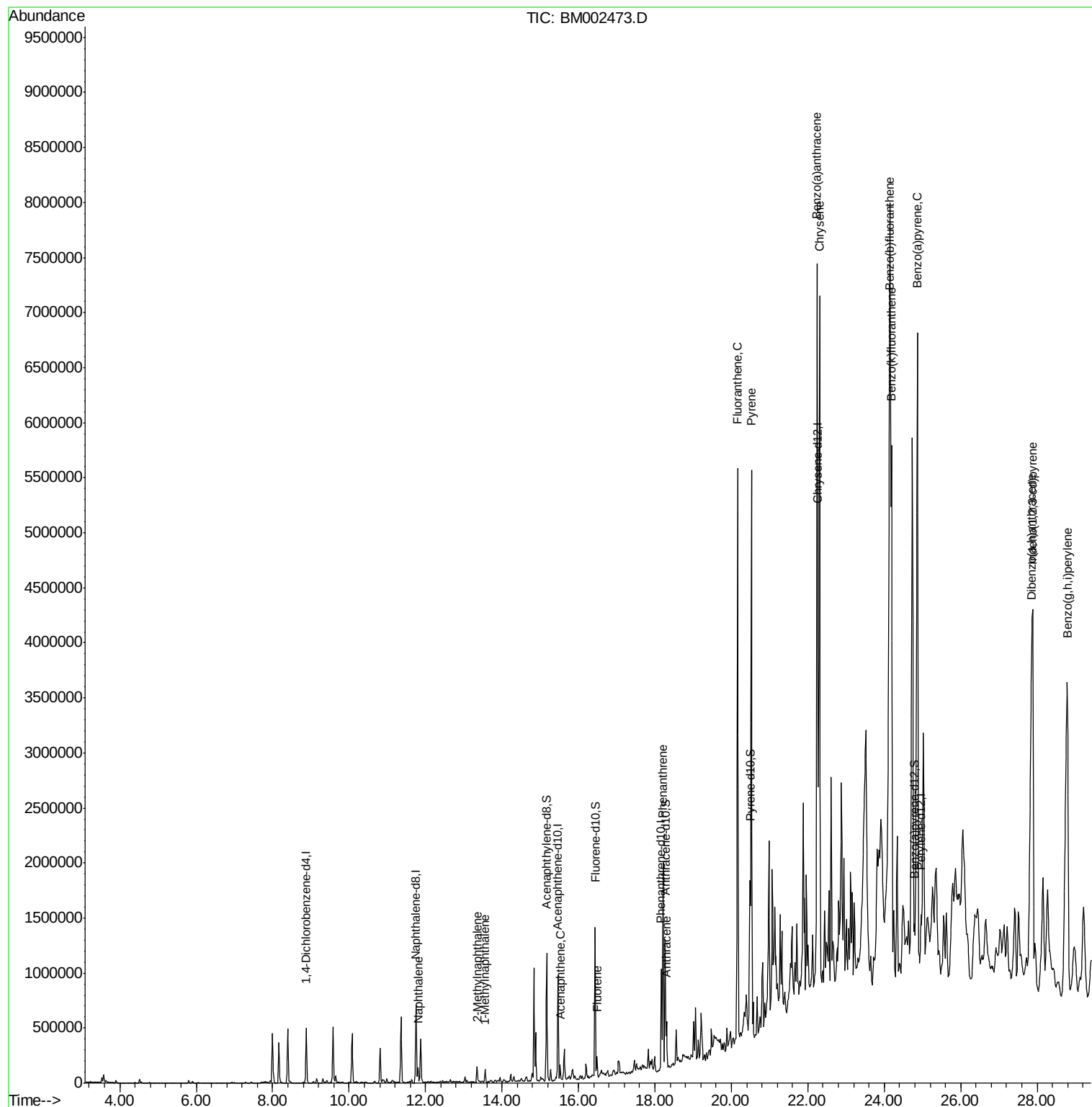
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081715\
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ALS Vial : 30 Sample Multiplier: 1

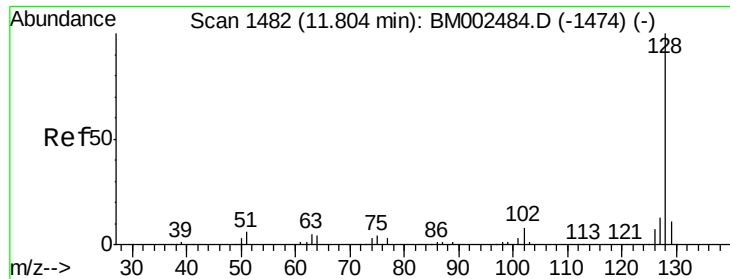
Instrument :
BNA_M
ClientSampleId :
D9DE2

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Quant Time: Aug 18 07:08:32 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: 3.61 ng/ul

RT: 11.80 min Scan# 1482

Delta R.T. 0.00 min

Lab File: BM002473.D

Acq: 18 Aug 2015 04:31

Instrument :

BNA_M

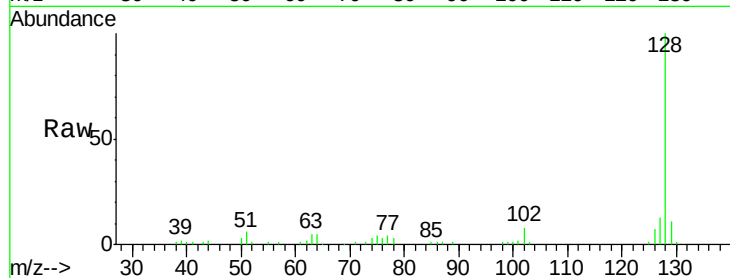
ClientSampleId :

D9DE2

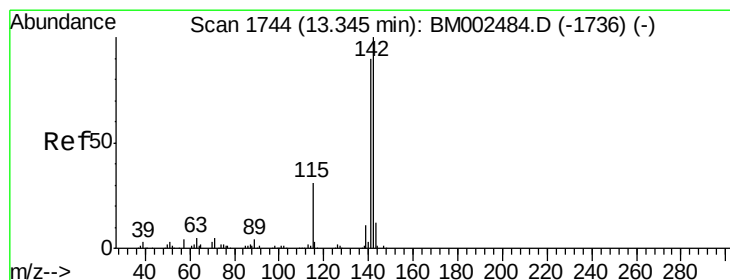
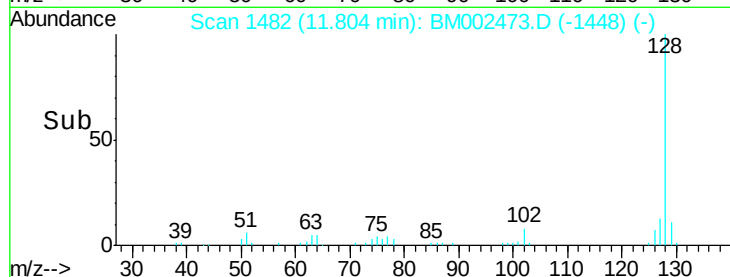
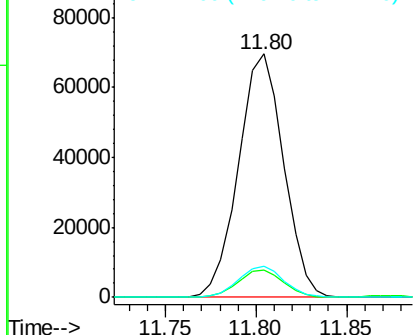
Tgt Ion:	128	Resp:	120515
Ion Ratio		Lower	Upper
128	100		
129	11.1	8.6	12.8
127	12.8	10.4	15.6

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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: 2.87 ng/ul

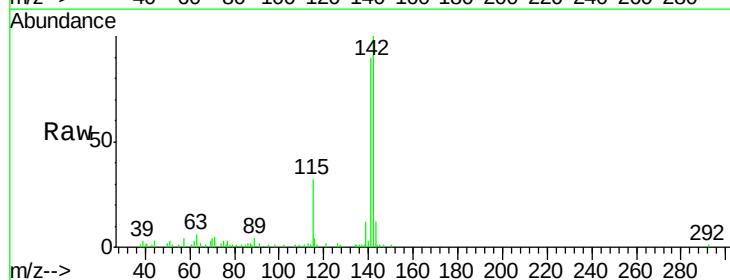
RT: 13.35 min Scan# 1744

Delta R.T. 0.00 min

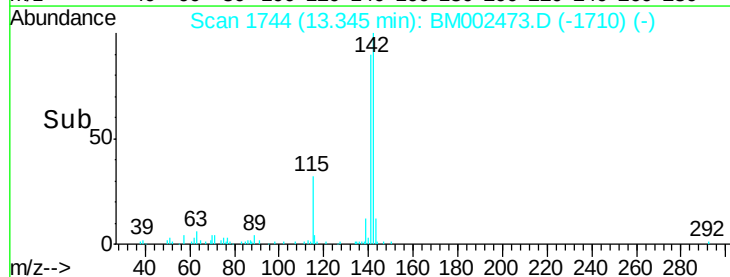
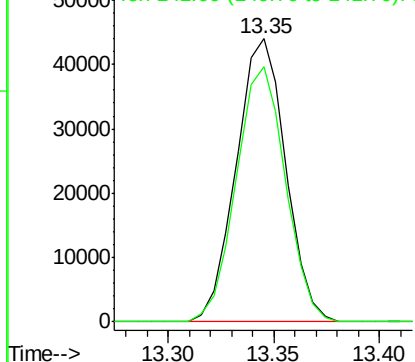
Lab File: BM002473.D

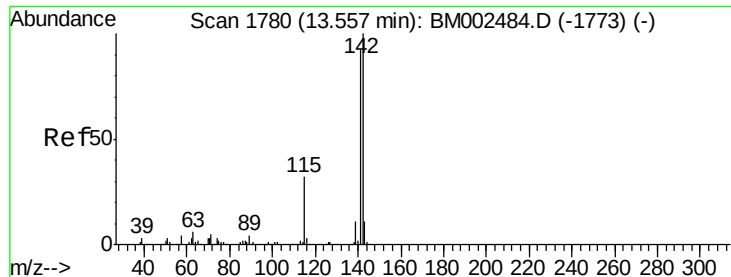
Acq: 18 Aug 2015 04:31

Tgt Ion:	142	Resp:	71680
Ion Ratio		Lower	Upper
142	100		
141	90.1	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: 2.11 ng/ul

RT: 13.56 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BM002473.D

Acq: 18 Aug 2015 04:31

Instrument :

BNA_M

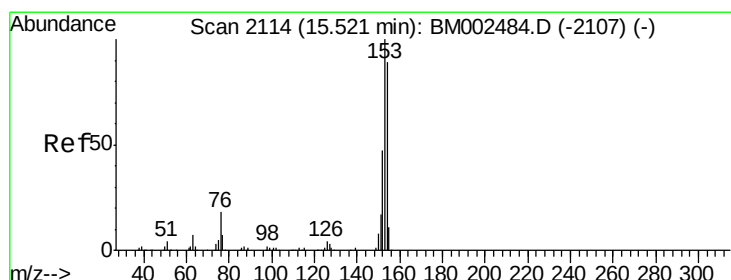
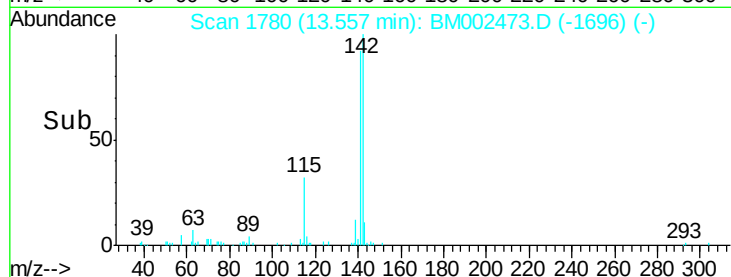
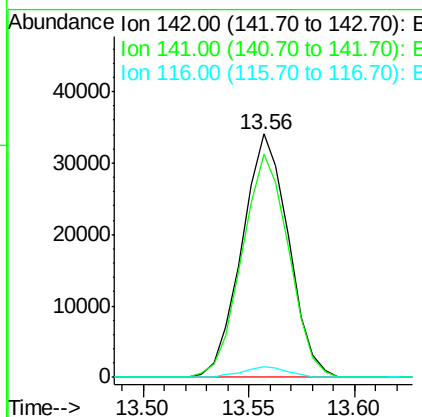
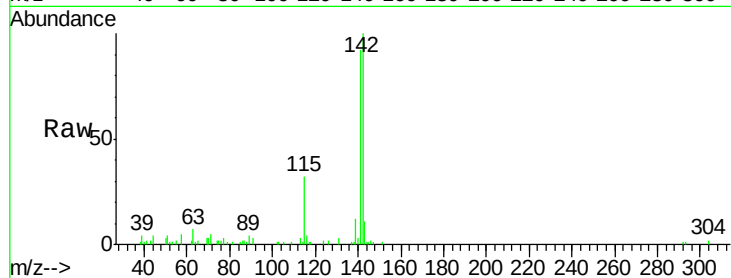
ClientSampleId :

D9DE2

Tgt Ion:	142	Resp:	52283
Ion Ratio	Lower	Upper	
142	100		
141	91.9	73.9	110.9
116	4.4	3.0	4.4

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#9

Acenaphthene

Concen: 2.33 ng/ul

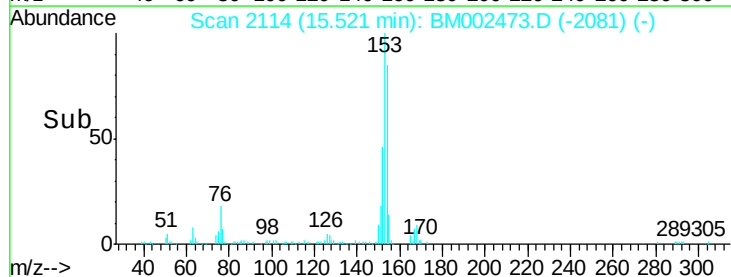
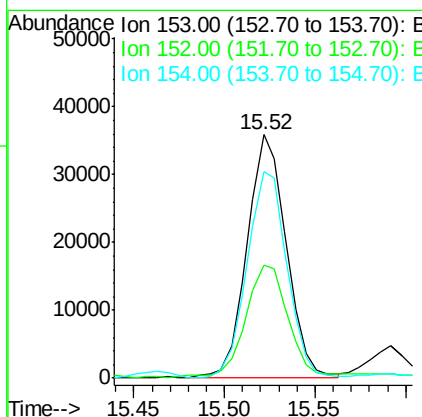
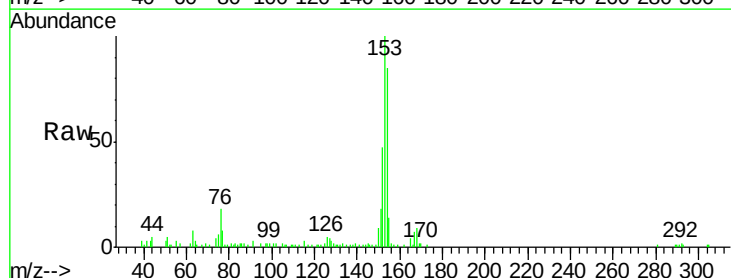
RT: 15.52 min Scan# 2114

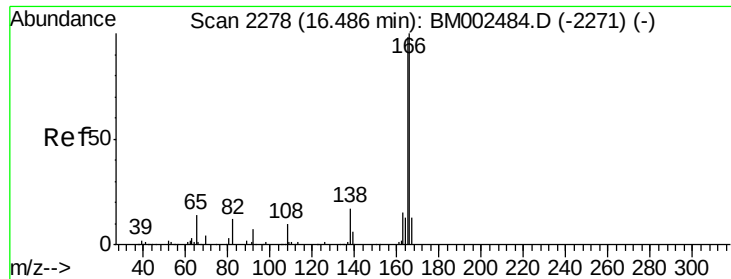
Delta R.T. -0.01 min

Lab File: BM002473.D

Acq: 18 Aug 2015 04:31

Tgt Ion:	153	Resp:	54173
Ion Ratio	Lower	Upper	
153	100		
152	46.5	36.9	55.3
154	84.6	71.3	106.9





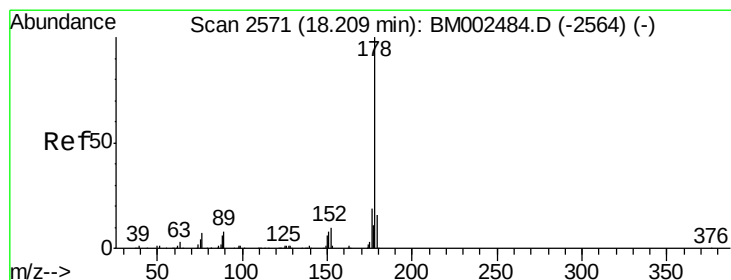
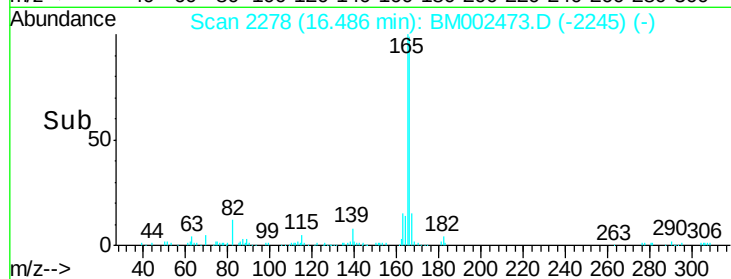
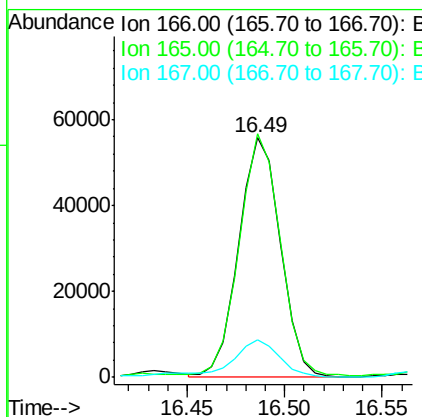
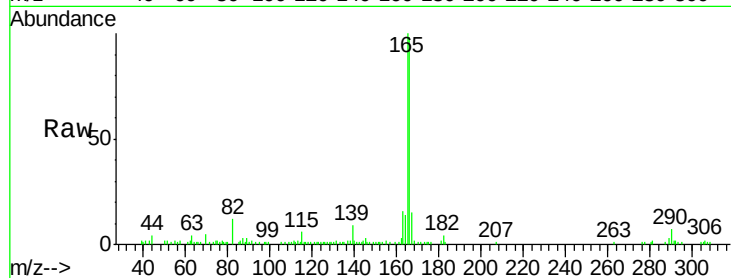
#11
 Fluorene
 Concen: 3.11 ng/ul
 RT: 16.49 min Scan# 2278
 Delta R.T. -0.01 min
 Lab File: BM002473.D
 Acq: 18 Aug 2015 04:31

Instrument :
 BNA_M
 ClientSampleId :
 D9DE2

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	82979		
165	101.7	77.6	116.4	
167	15.6	10.7	16.1	

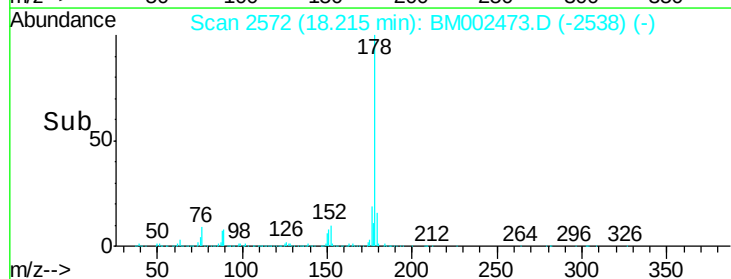
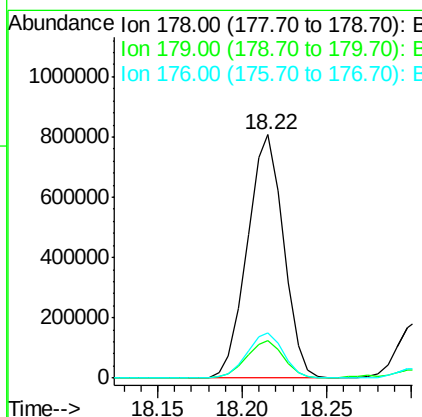
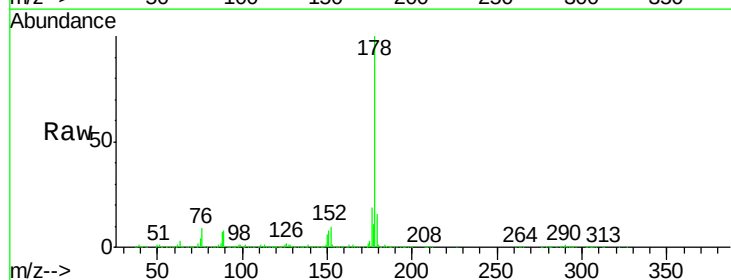
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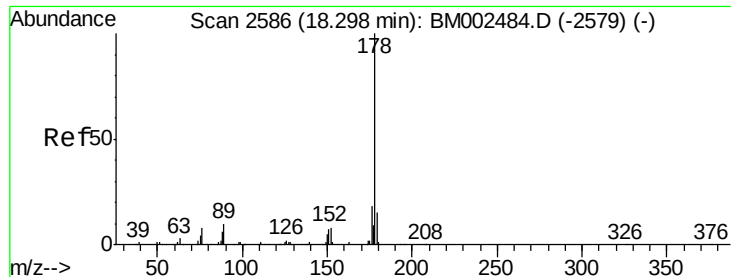
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#13
 Phenanthrene
 Concen: 36.90 ng/ul
 RT: 18.22 min Scan# 2572
 Delta R.T. 0.00 min
 Lab File: BM002473.D
 Acq: 18 Aug 2015 04:31

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1203745		
179	15.6	12.4	18.6	
176	18.7	15.1	22.7	





#15

Anthracene

Concen: 8.38 ng/ul

RT: 18.30 min Scan# 2587

Delta R.T. 0.00 min

Lab File: BM002473.D

Acq: 18 Aug 2015 04:31

Instrument :

BNA_M

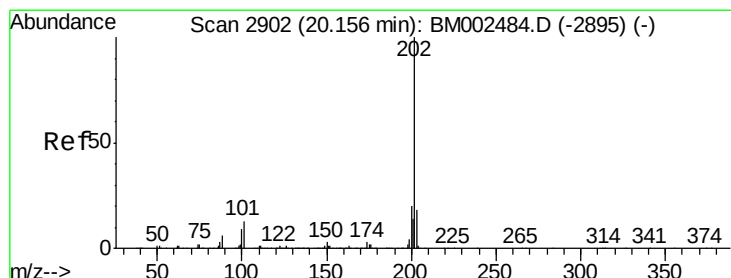
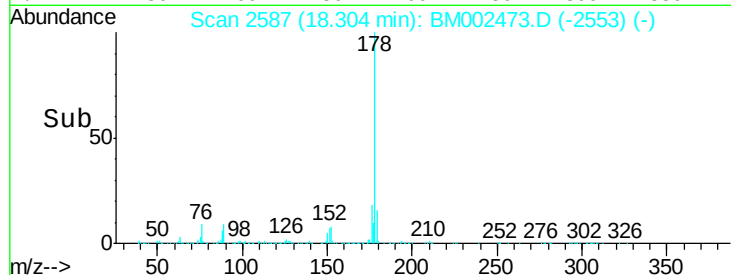
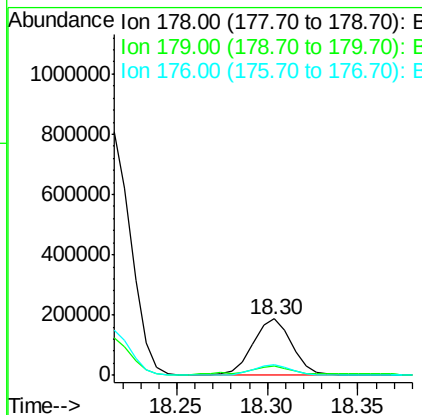
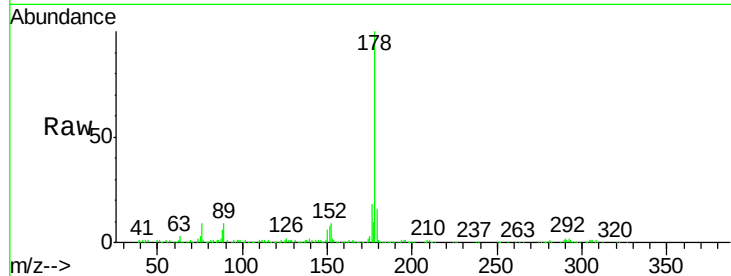
ClientSampleId :

D9DE2

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Tgt Ion:	178	Resp:	277074
Ion Ratio	Lower	Upper	
178	100		
179	16.0	12.6	18.8
176	18.4	14.5	21.7



#16

Fluoranthene

Concen: 89.05 ng/ul

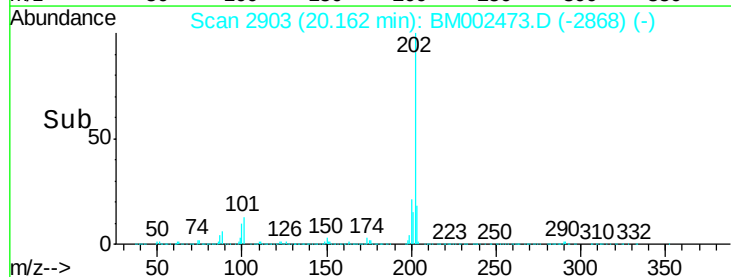
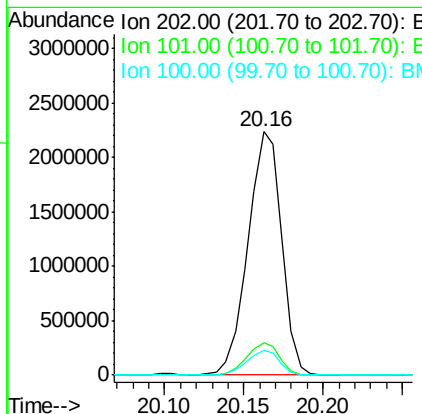
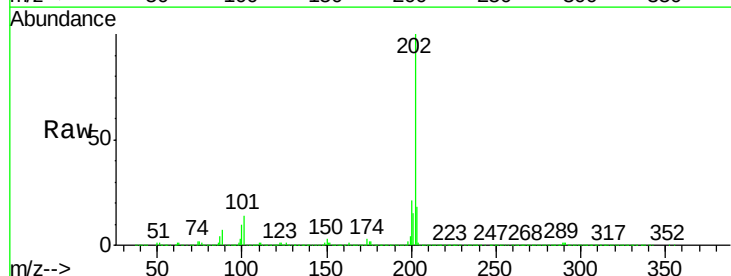
RT: 20.16 min Scan# 2903

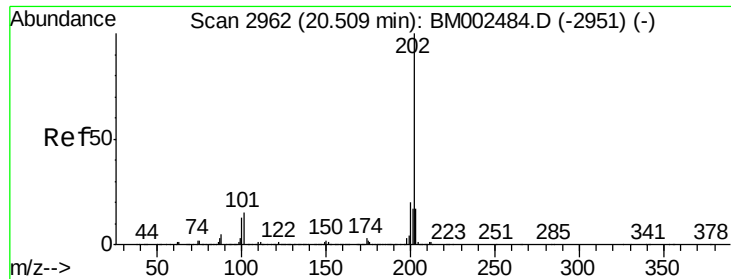
Delta R.T. 0.01 min

Lab File: BM002473.D

Acq: 18 Aug 2015 04:31

Tgt Ion:	202	Resp:	3289216
Ion Ratio	Lower	Upper	
202	100		
101	13.5	9.7	14.5
100	10.3	7.4	11.2





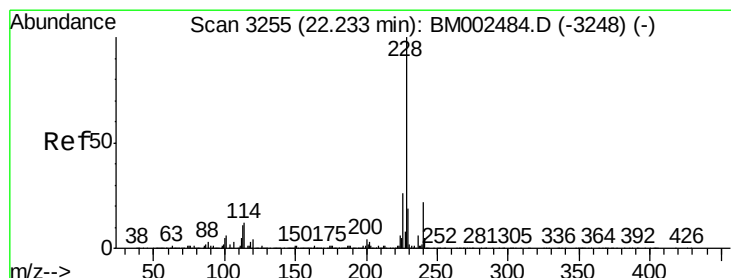
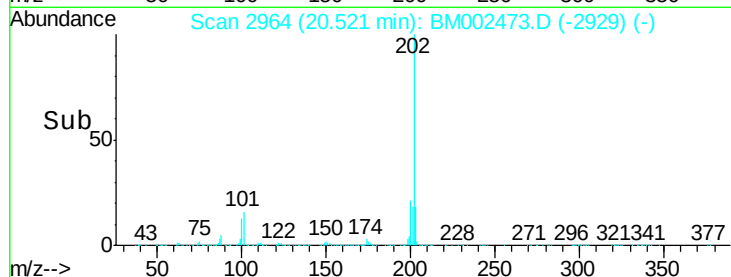
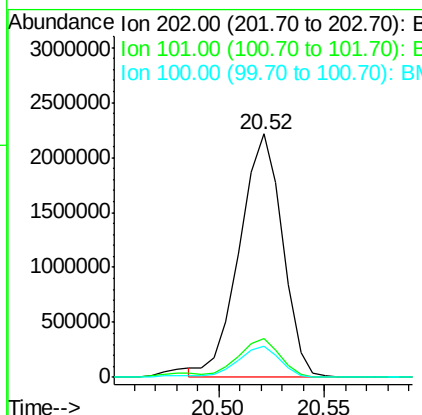
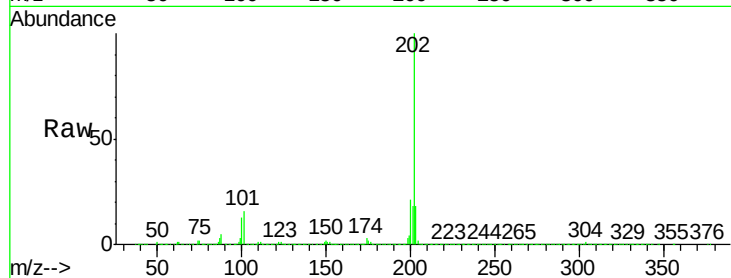
#19
 Pyrene
 Concen: 139.60 ng/ul
 RT: 20.52 min Scan# 2964
 Delta R.T. 0.01 min
 Lab File: BM002473.D
 Acq: 18 Aug 2015 04:31

Instrument :
 BNA_M
 ClientSampleId :
 D9DE2

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.8	12.0	18.0
100	12.6	9.7	14.5

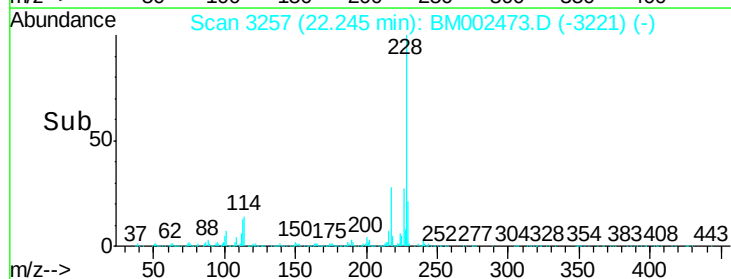
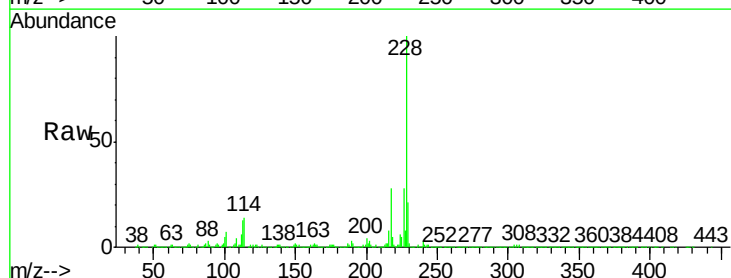
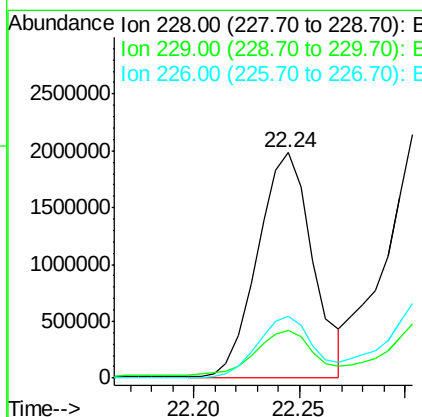
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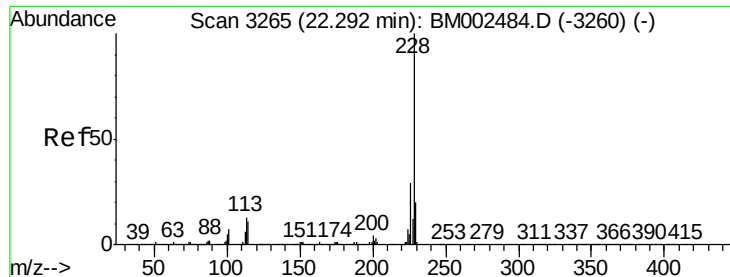
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#20
 Benzo(a)anthracene
 Concen: 159.14 ng/ul
 RT: 22.24 min Scan# 3257
 Delta R.T. 0.01 min
 Lab File: BM002473.D
 Acq: 18 Aug 2015 04:31

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.8	23.6
226	27.7	21.1	31.7





#21

Chrysene

Concen: 194.90 ng/ul

RT: 22.31 min Scan# 3268

Delta R.T. 0.02 min

Lab File: BM002473.D

Acq: 18 Aug 2015 04:31

Instrument :

BNA_M

ClientSampleId :

D9DE2

Tgt Ion:228 Resp: 4124523

Ion Ratio Lower Upper

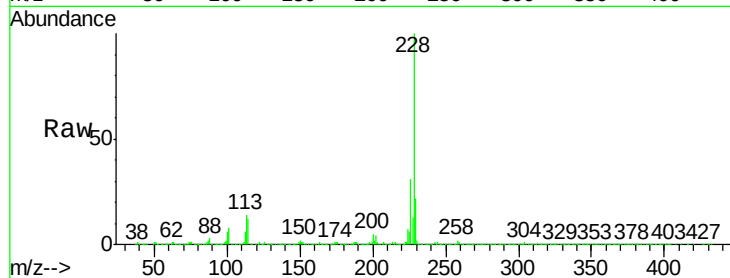
228 100

226 30.9 23.4 35.2

229 22.3 15.7 23.5

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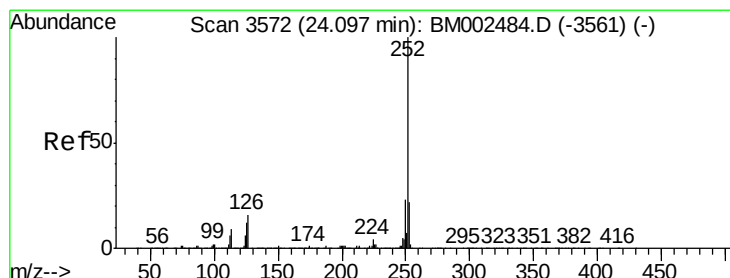
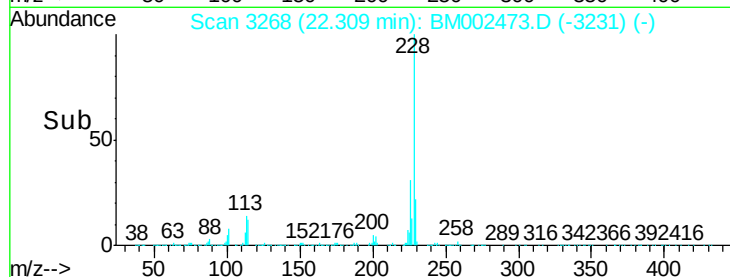
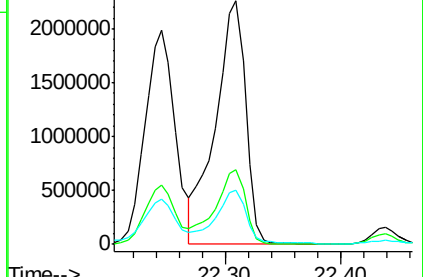
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#23

Benzo(b)fluoranthene

Concen: 312.76 ng/ul m

RT: 24.15 min Scan# 3581

Delta R.T. 0.05 min

Lab File: BM002473.D

Acq: 18 Aug 2015 04:31

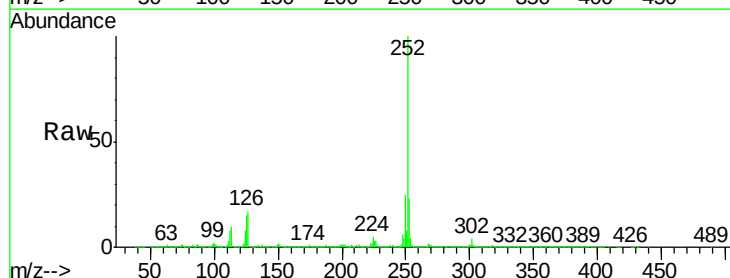
Tgt Ion:252 Resp: 8828221

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

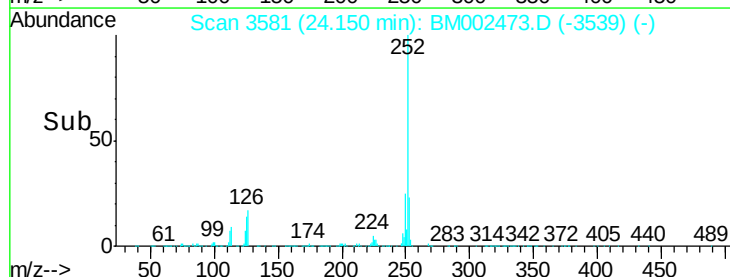
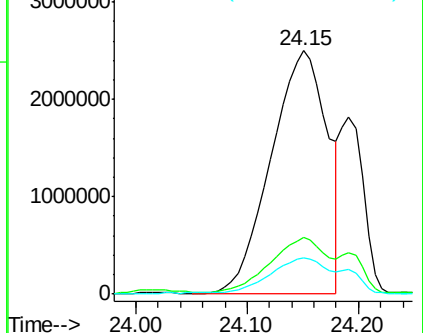
125 14.9 10.0 15.0

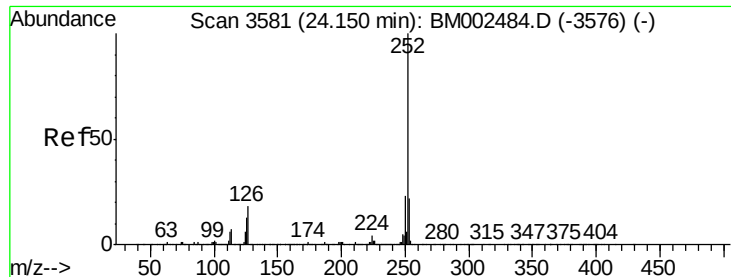


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 96.61 ng/ul m

RT: 24.19 min Scan# 3588

Delta R.T. 0.04 min

Lab File: BM002473.D

Acq: 18 Aug 2015 04:31

Instrument :

BNA_M

ClientSampleId :

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Tgt Ion:252 Resp: 2584362

Ion Ratio Lower Upper

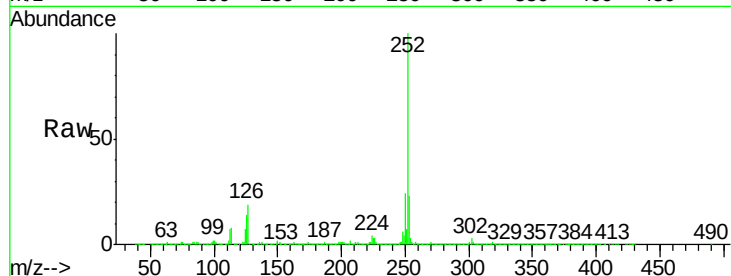
252 100

253 23.2 17.8 26.6

125 13.8 9.8 14.8

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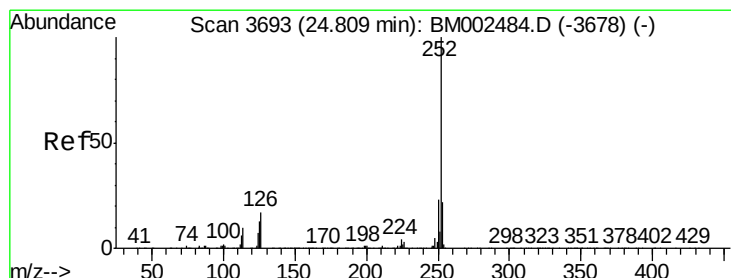
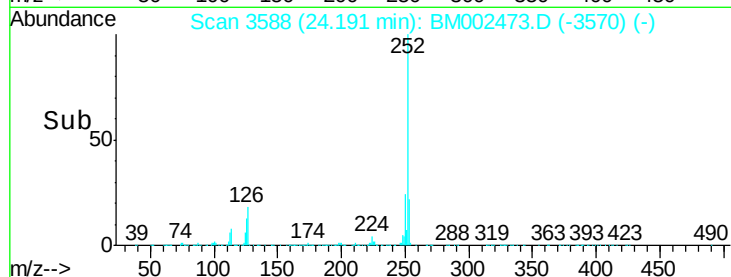
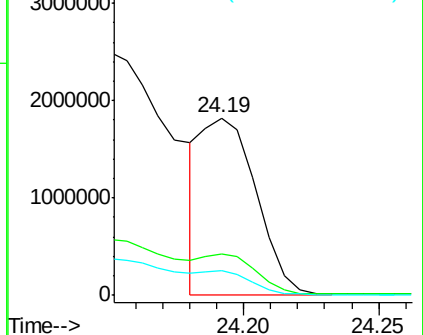
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#26

Benzo(a)pyrene

Concen: 227.31 ng/ul m

RT: 24.87 min Scan# 3703

Delta R.T. 0.05 min

Lab File: BM002473.D

Acq: 18 Aug 2015 04:31

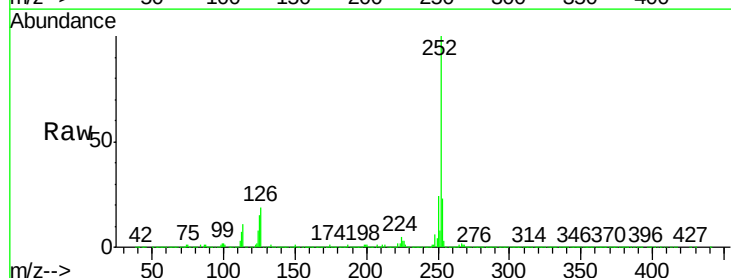
Tgt Ion:252 Resp: 6128523

Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

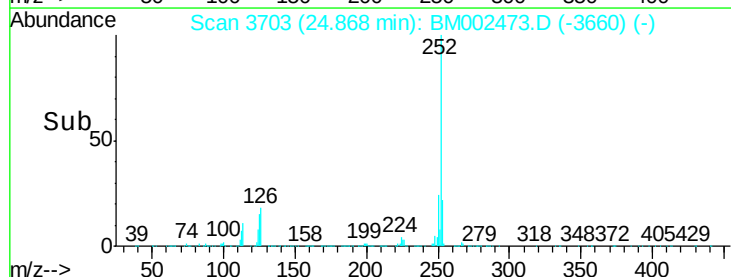
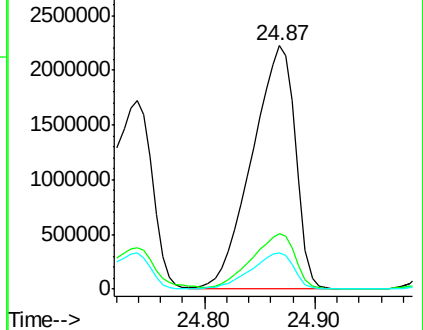
125 15.0 10.7 16.1

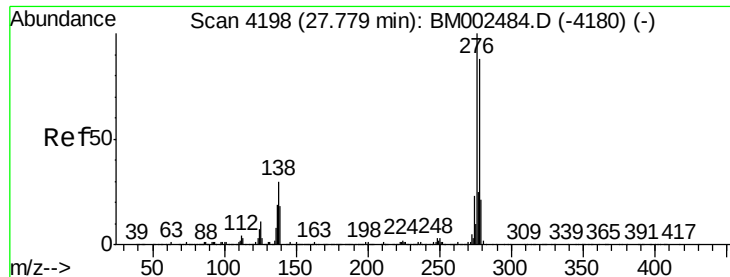


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





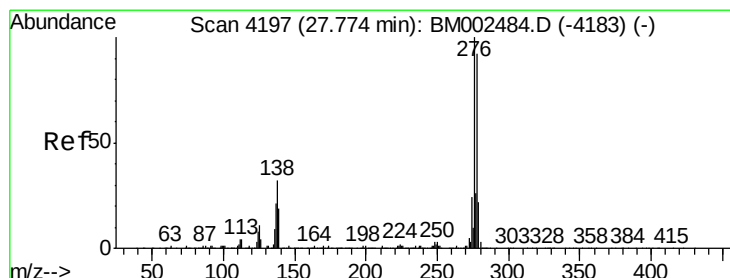
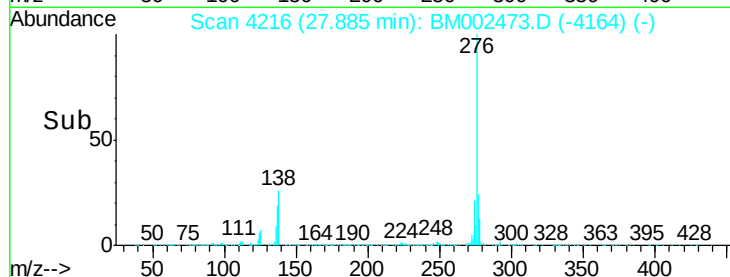
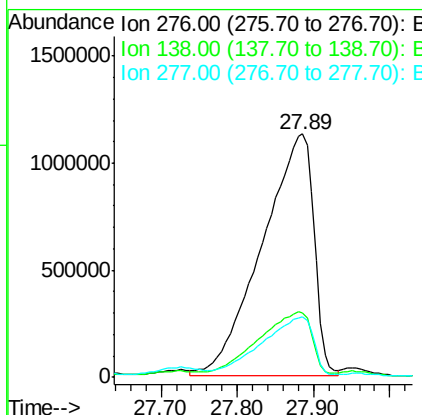
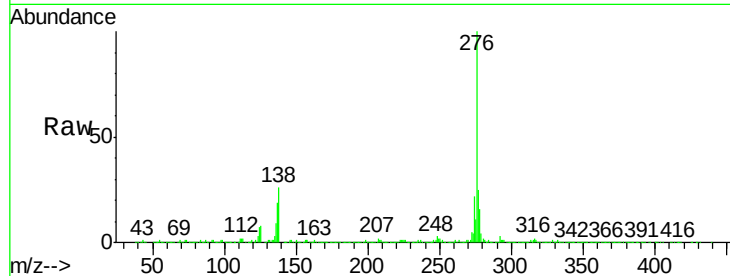
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 171.99 ng/ul m
 RT: 27.89 min Scan# 4216
 Delta R.T. 0.11 min
 Lab File: BM002473.D
 Acq: 18 Aug 2015 04:31

Instrument :
 BNA_M
 ClientSampleId :
 D9DE2

Tgt Ion: 276 Resp: 5332965
 Ion Ratio Lower Upper
 276 100
 138 26.5 25.3 37.9
 277 24.8 20.2 30.2

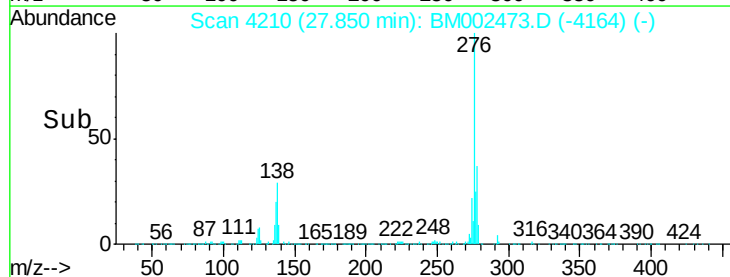
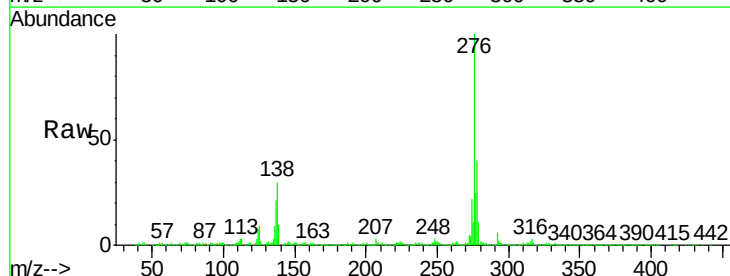
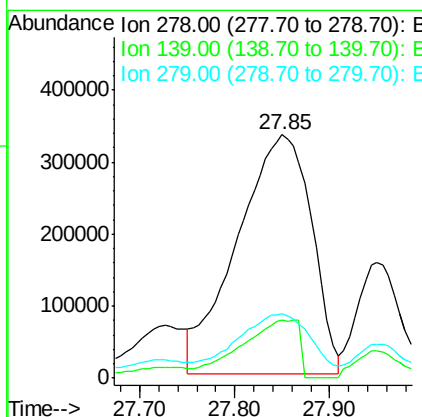
Manual Integrations
 APPROVED

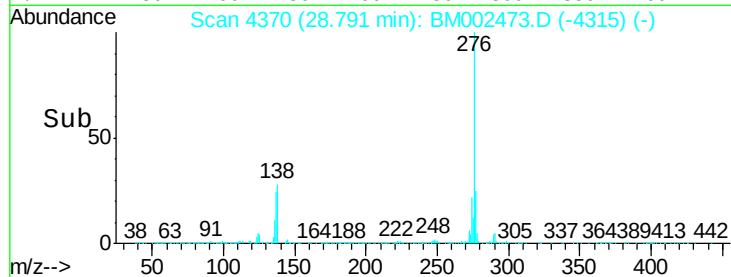
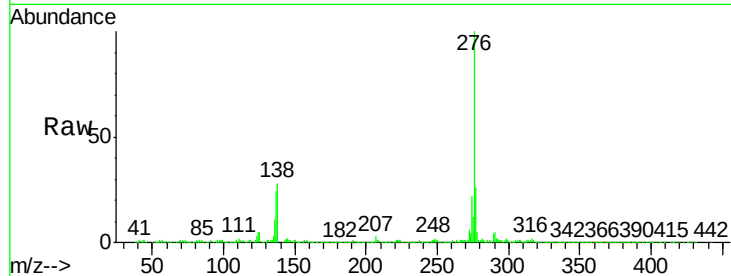
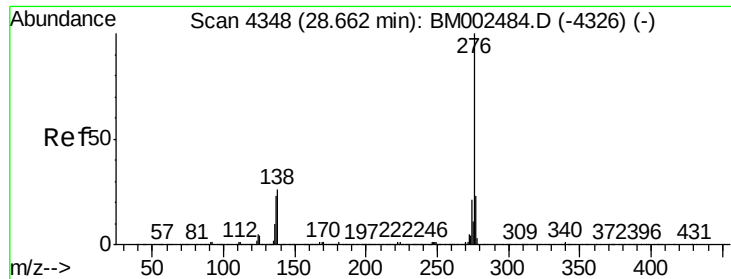
MMDadoda
 8/18/2015 5:19:33 PM



#28
 Dibenzo(a,h)anthracene
 Concen: 69.59 ng/ul m
 RT: 27.85 min Scan# 4210
 Delta R.T. 0.07 min
 Lab File: BM002473.D
 Acq: 18 Aug 2015 04:31

Tgt Ion: 278 Resp: 1803530
 Ion Ratio Lower Upper
 278 100
 139 23.7 16.5 24.7
 279 26.2 18.8 28.2





#29

Benzo(g,h,i)perylene

Concen: 184.83 ng/ul m

RT: 28.79 min Scan# 4370

Delta R.T. 0.12 min

Lab File: BM002473.D

Acq: 18 Aug 2015 04:31

Tgt Ion: 276 Resp: 4770462

Ion Ratio Lower Upper

276 100

138 28.2 21.0 31.6

277 25.6 19.2 28.8

Instrument :

BNA_M

ClientSampleId :

D9DE2

Manual Integrations
APPROVED

MMDadoda
8/18/2015 5:19:33 PM

