

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081715\
 Data File : BM002455.D
 Acq On : 17 Aug 2015 17:25
 Operator : UM/IZ
 Sample : G3227-06MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DC5MSD

Manual Integrations
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 8/18/2015 5:15:47 PM

Quant Time: Aug 18 02:36:06 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 18 01:54:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	151345	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	684123	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	354433	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	707591	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	492416	20.00	ng/ul	0.00
22) Perylene-d12	24.91	264	442706	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	15.16	160	685147	18.91	ng/ul	0.00
10) Fluorene-d10	16.43	176	458642	18.02	ng/ul	0.00
14) Anthracene-d10	18.26	188	647187	18.96	ng/ul	0.00
18) Pyrene-d10	20.48	212	554710	25.41	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.74	264	403281	17.34	ng/ul	0.00
Target Compounds						
3) Naphthalene	11.80	128	39379	1.13	ng/ul	Qvalue 99
4) 2-Methylnaphthalene	13.34	142	26802	1.02	ng/ul	98
8) Acenaphthylene	15.19	152	48946	1.29	ng/ul	96
9) Acenaphthene	15.52	153	466552	18.67	ng/ul	99
13) Phenanthrene	18.20	178	217470	5.32	ng/ul	100
15) Anthracene	18.29	178	76238	1.84	ng/ul	99
16) Fluoranthene	20.15	202	529007	11.44	ng/ul	99
19) Pyrene	20.51	202	1158904	40.17	ng/ul	99
20) Benzo(a)anthracene	22.22	228	253177	8.60	ng/ul	98
21) Chrysene	22.28	228	270899	9.84	ng/ul	97
23) Benzo(b)fluoranthene	24.09	252	426932	15.95	ng/ul	97
24) Benzo(k)fluoranthene	24.13	252	108894m	4.29	ng/ul	
26) Benzo(a)pyrene	24.80	252	239084	9.35	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.74	276	185701	6.32	ng/ul	94
28) Dibenzo(a,h)anthracene	27.74	278	52550	2.14	ng/ul#	80
29) Benzo(g,h,i)perylene	28.63	276	174408	7.13	ng/ul	98

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

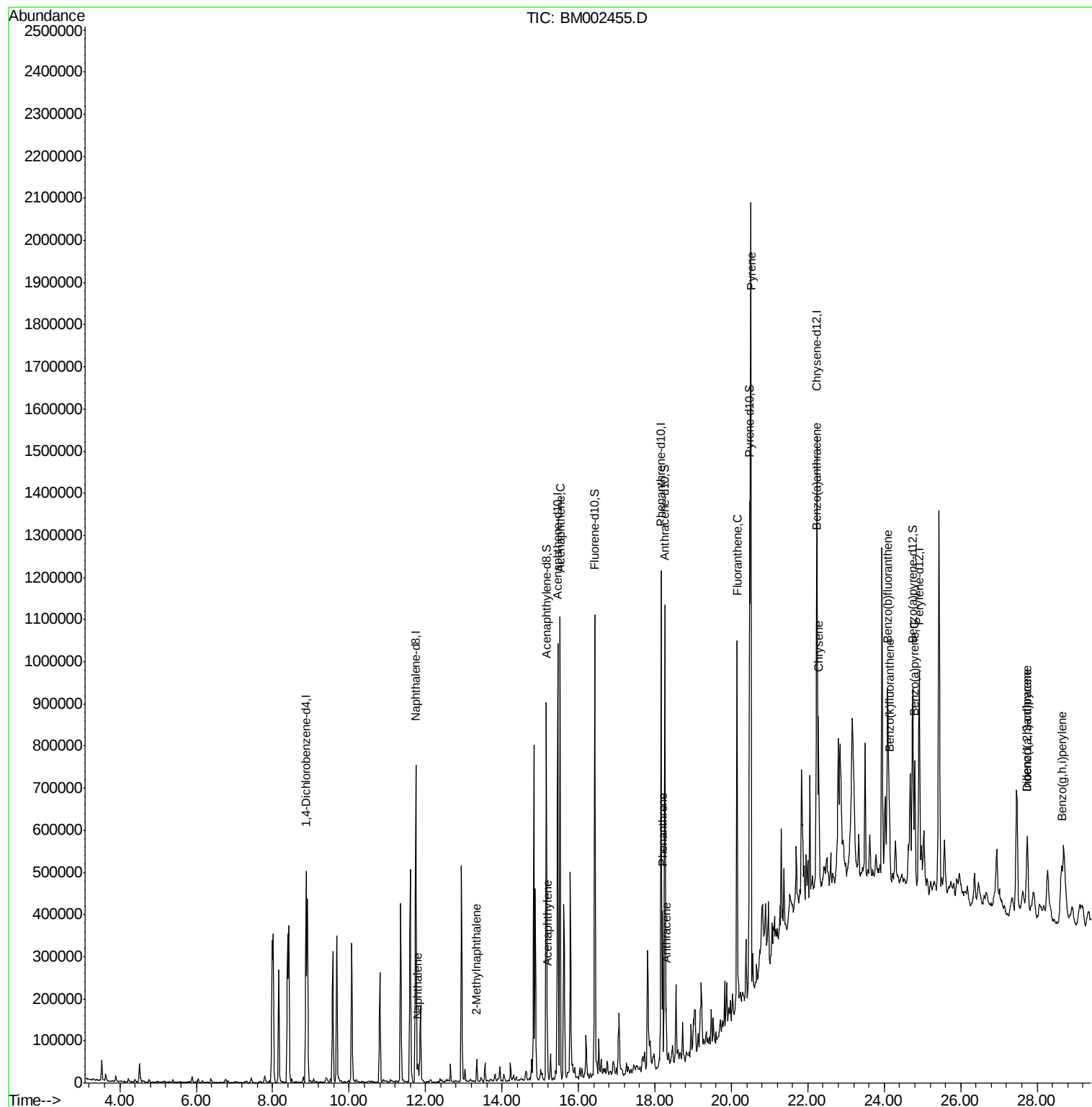
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081715\
Data File : BM002455.D
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ALS Vial : 13 Sample Multiplier: 1

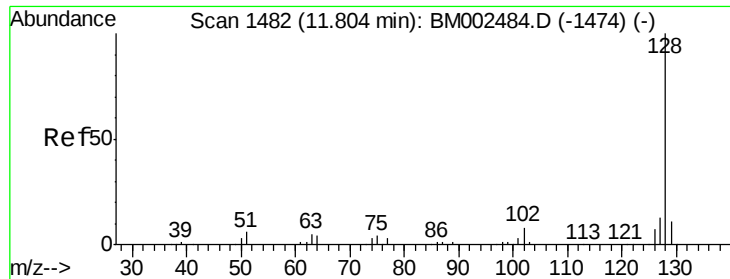
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 18 01:54:16 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 1.13 ng/ul

RT: 11.80 min Scan# 1481

Delta R.T. 0.01 min

Lab File: BM002455.D

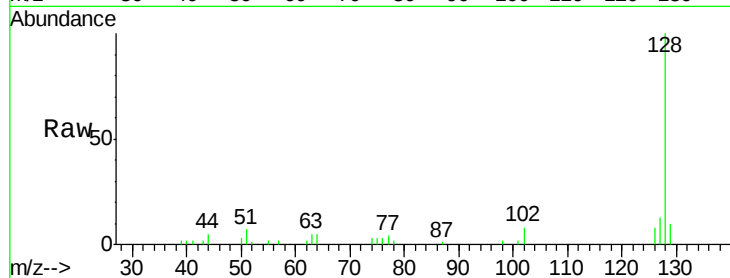
Acq: 17 Aug 2015 17:25

Instrument :

BNA_M

ClientSampleId :

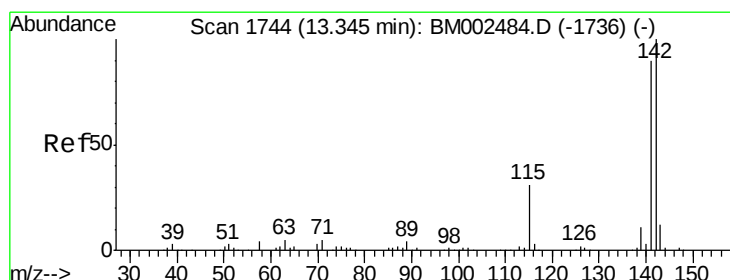
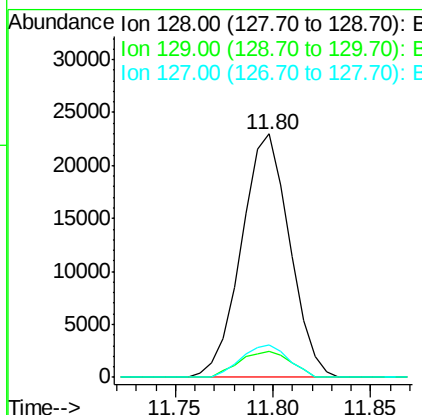
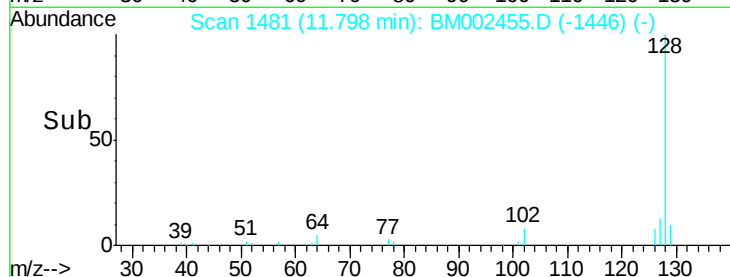
D9DC5MSD



Tgt Ion:	128	Resp:	39379
Ion Ratio	Lower	Upper	
128	100		
129	10.4	8.6	12.8
127	13.5	10.4	15.6

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#4

2-Methylnaphthalene

Concen: 1.02 ng/ul

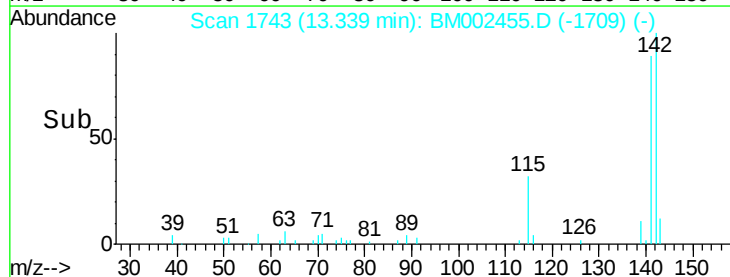
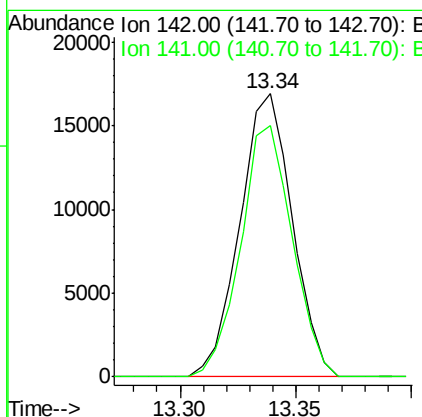
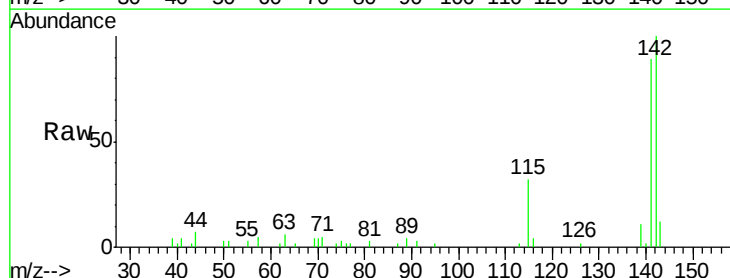
RT: 13.34 min Scan# 1743

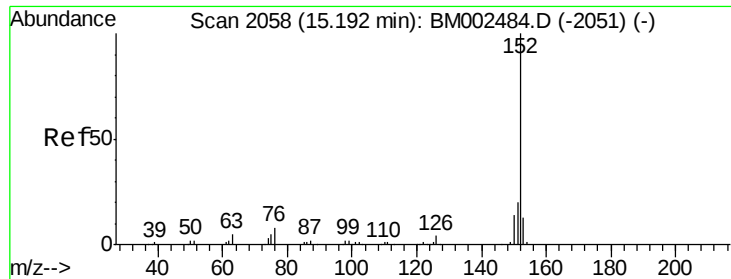
Delta R.T. 0.00 min

Lab File: BM002455.D

Acq: 17 Aug 2015 17:25

Tgt Ion:	142	Resp:	26802
Ion Ratio	Lower	Upper	
142	100		
141	88.8	72.2	108.2





#8

Acenaphthylene

Concen: 1.29 ng/ul

RT: 15.19 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BM002455.D

Acq: 17 Aug 2015 17:25

Instrument :

BNA_M

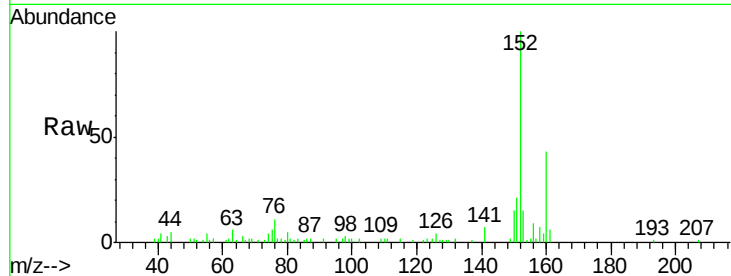
ClientSampleId :

D9DC5MSD

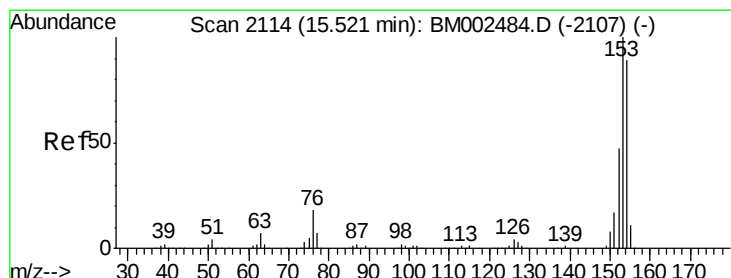
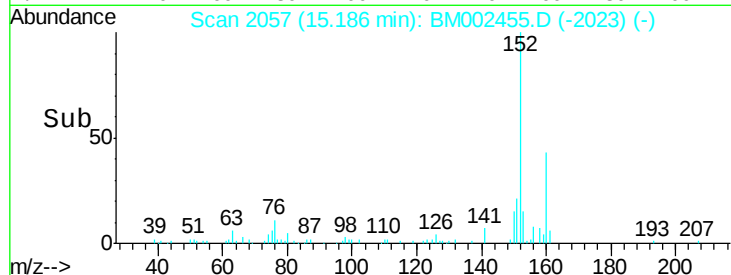
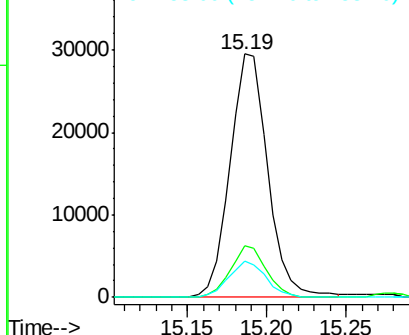
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Tgt Ion	Ratio	Resp	Lower	Upper
152	100	48946		
151	21.2		15.7	23.5
153	14.7		10.2	15.4



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#9

Acenaphthene

Concen: 18.67 ng/ul

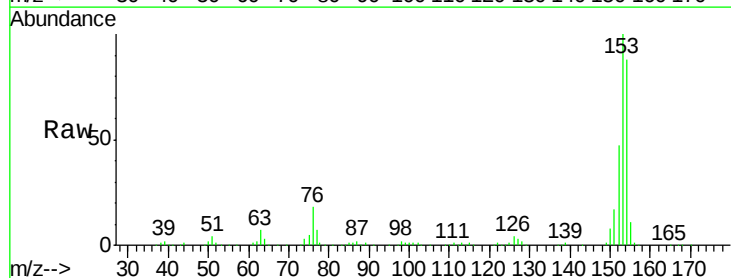
RT: 15.52 min Scan# 2113

Delta R.T. 0.00 min

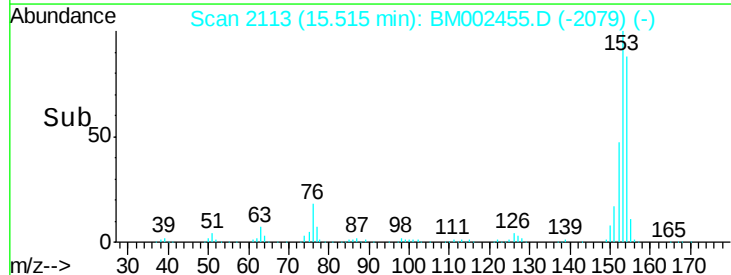
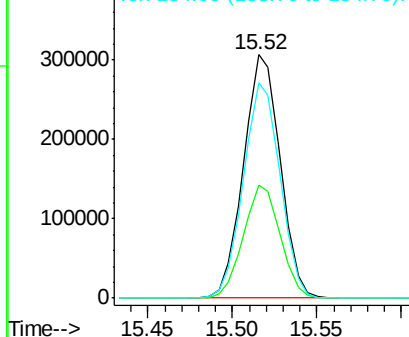
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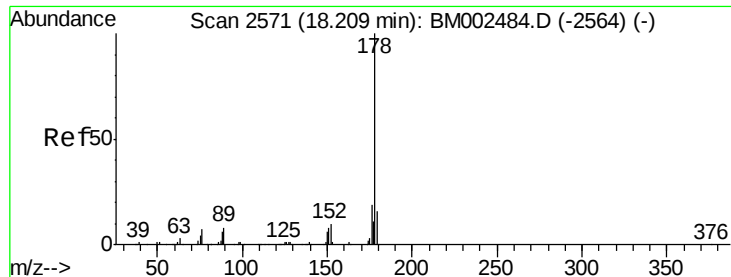
Acq: 17 Aug 2015 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	466552		
152	46.6		36.9	55.3
154	88.4		71.3	106.9



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





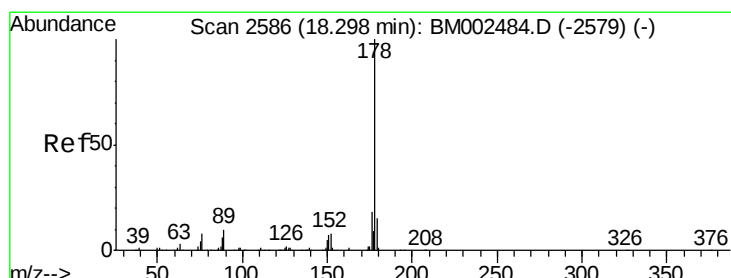
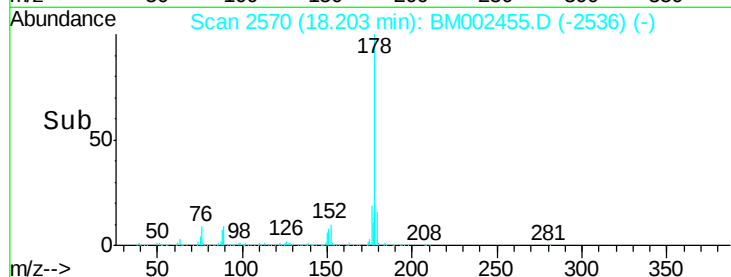
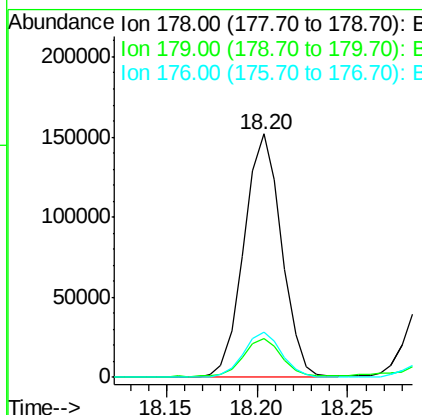
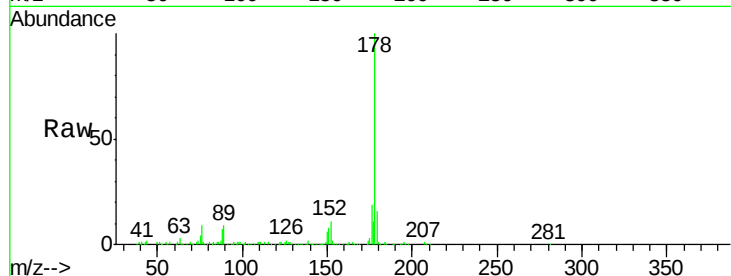
#13
Phenanthrene
Concen: 5.32 ng/ul
RT: 18.20 min Scan# 2570
Delta R.T. 0.00 min
Lab File: BM002455.D
Acq: 17 Aug 2015 17:25

Instrument :
BNA_M
ClientSampleId :
D9DC5MSD

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	217470		
179	15.7	12.4	18.6	
176	18.7	15.1	22.7	

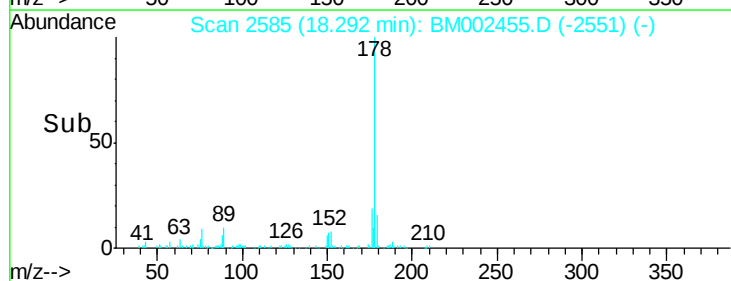
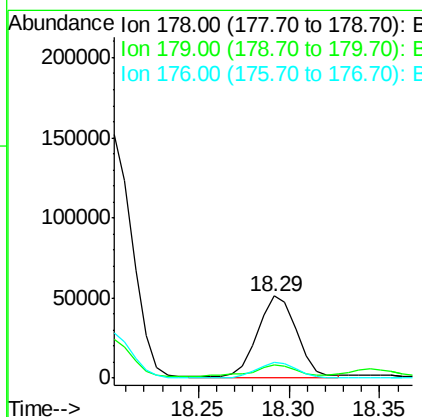
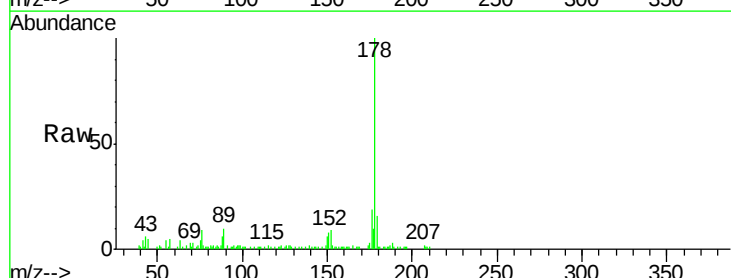
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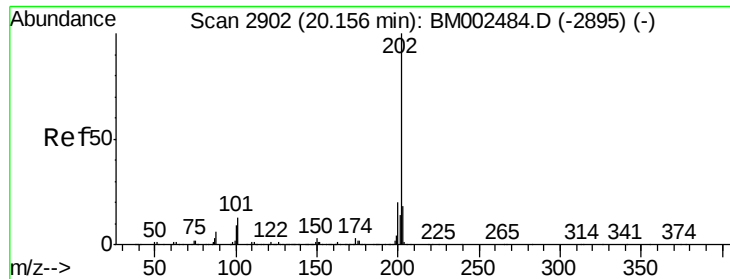
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#15
Anthracene
Concen: 1.84 ng/ul
RT: 18.29 min Scan# 2585
Delta R.T. 0.00 min
Lab File: BM002455.D
Acq: 17 Aug 2015 17:25

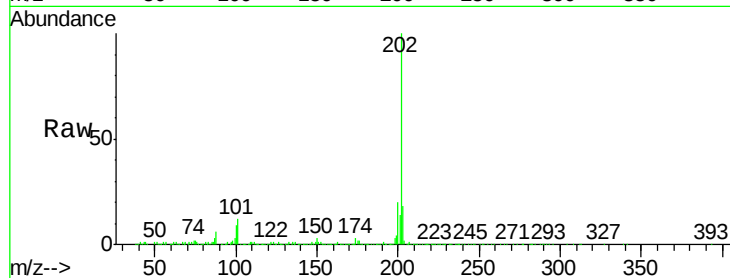
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	76238		
179	16.3	12.6	18.8	
176	18.8	14.5	21.7	





#16
 Fluoranthene
 Concen: 11.44 ng/ul
 RT: 20.15 min Scan# 2901
 Delta R.T. 0.00 min
 Lab File: BM002455.D
 Acq: 17 Aug 2015 17:25

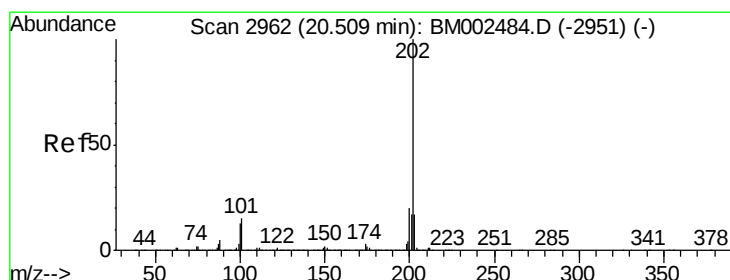
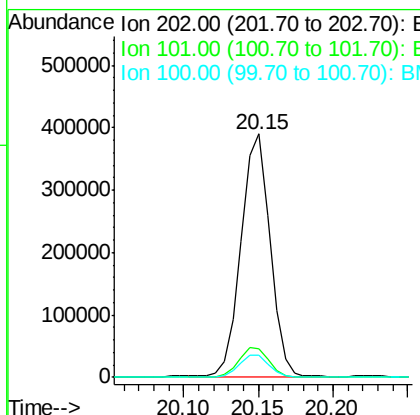
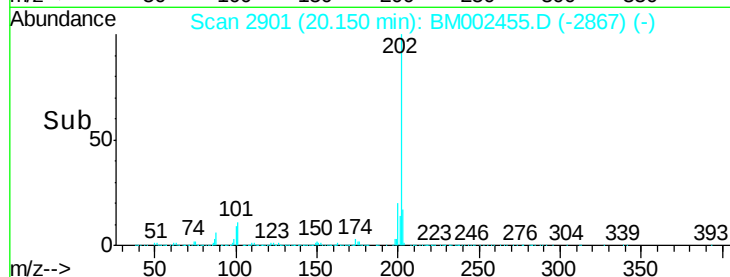
Instrument :
 BNA_M
 ClientSampleId :
 D9DC5MSD



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	529007		
101	11.7	9.7	14.5	
100	8.9	7.4	11.2	

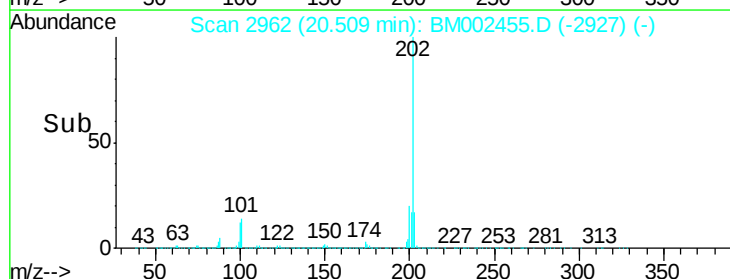
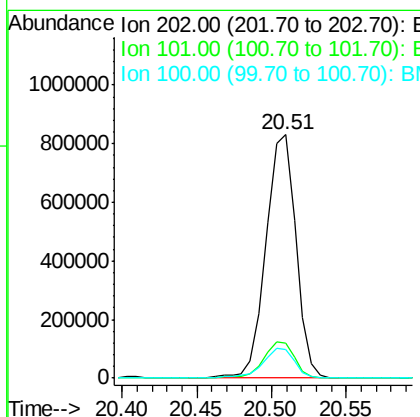
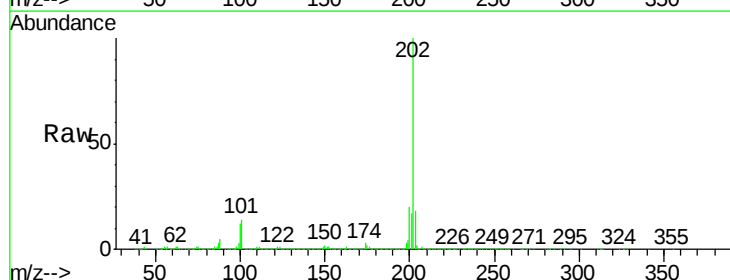
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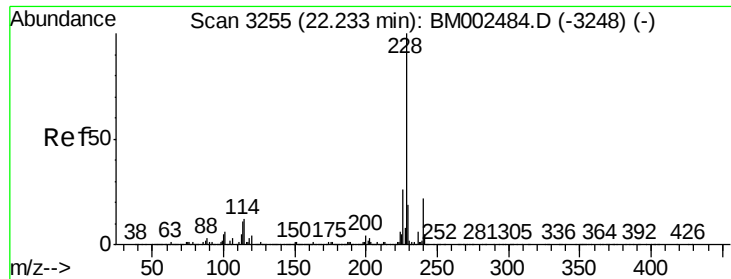
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#19
 Pyrene
 Concen: 40.17 ng/ul
 RT: 20.51 min Scan# 2962
 Delta R.T. 0.01 min
 Lab File: BM002455.D
 Acq: 17 Aug 2015 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1158904		
101	14.4	12.0	18.0	
100	11.5	9.7	14.5	





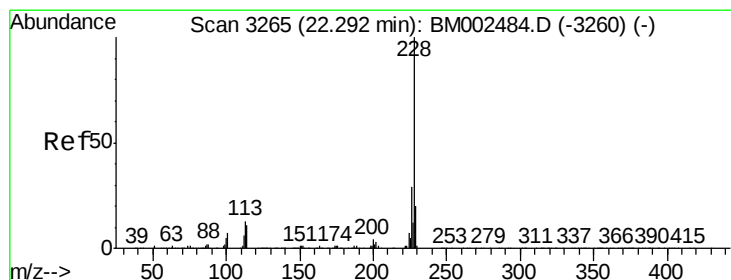
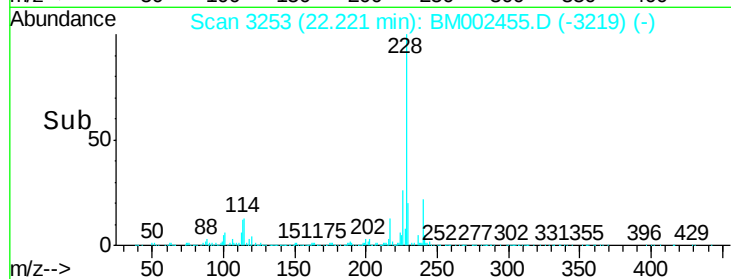
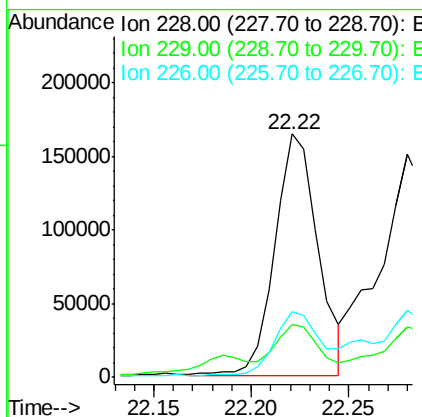
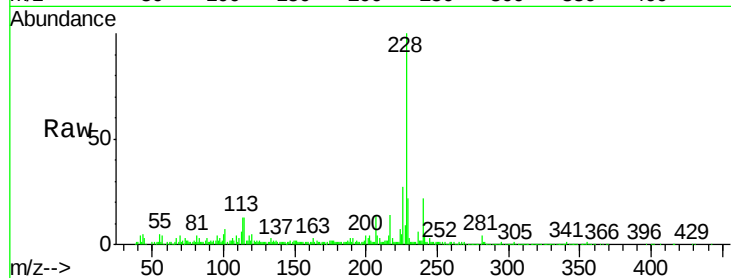
#20
Benzo(a)anthracene
Concen: 8.60 ng/ul
RT: 22.22 min Scan# 3253
Delta R.T. 0.00 min
Lab File: BM002455.D
Acq: 17 Aug 2015 17:25

Instrument :
BNA_M
ClientSampleId :
D9DC5MSD

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	253177		
229	21.5	15.8	23.6	
226	26.9	21.1	31.7	

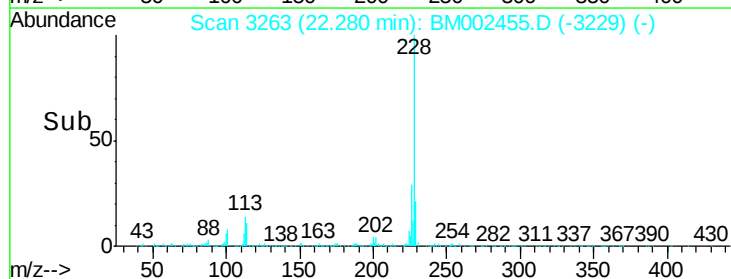
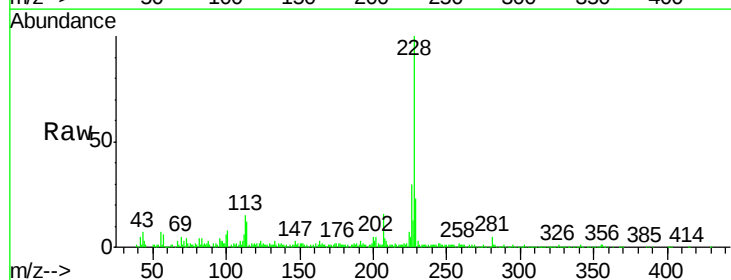
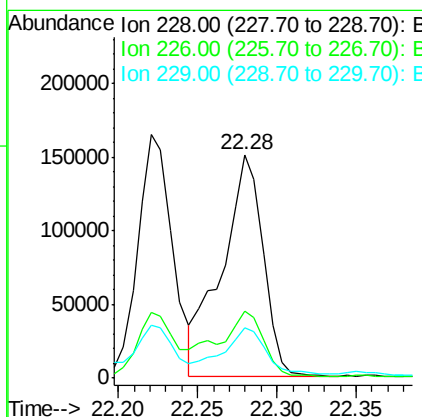
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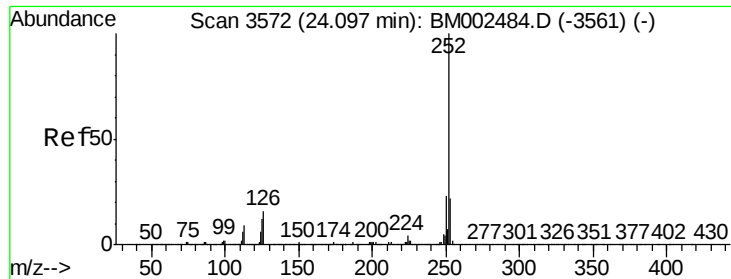
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#21
Chrysene
Concen: 9.84 ng/ul
RT: 22.28 min Scan# 3263
Delta R.T. 0.00 min
Lab File: BM002455.D
Acq: 17 Aug 2015 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	270899		
226	29.9	23.4	35.2	
229	22.8	15.7	23.5	





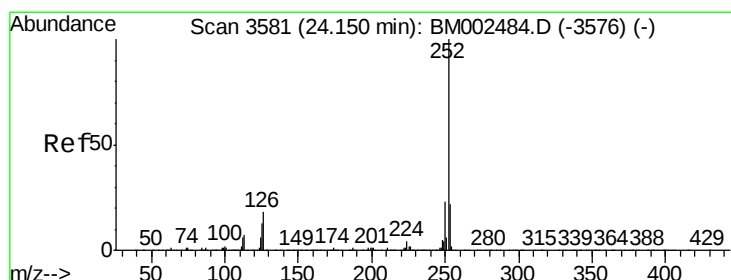
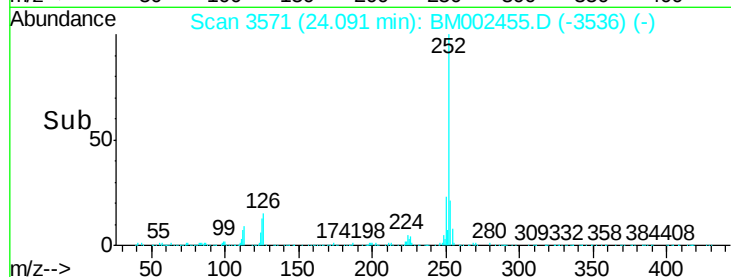
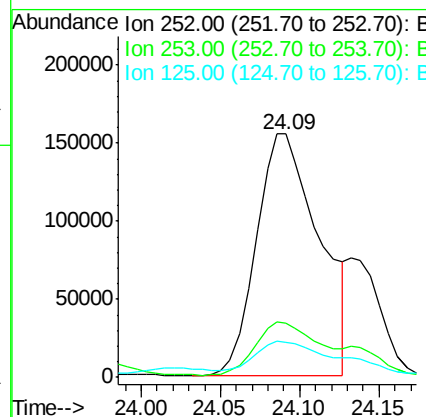
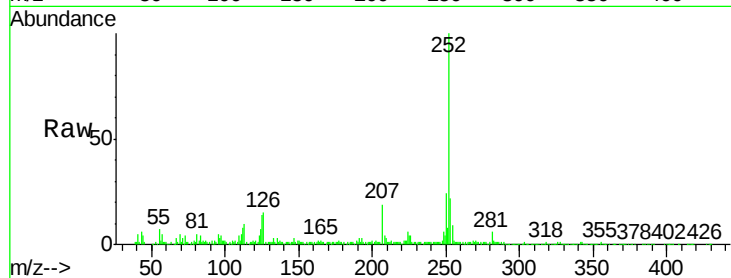
#23
Benzo(b)fluoranthene
Concen: 15.95 ng/ul
RT: 24.09 min Scan# 3571
Delta R.T. 0.01 min
Lab File: BM002455.D
Acq: 17 Aug 2015 17:25

Instrument :
BNA_M
ClientSampleId :
D9DC5MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.0
125	14.4	10.0	15.0

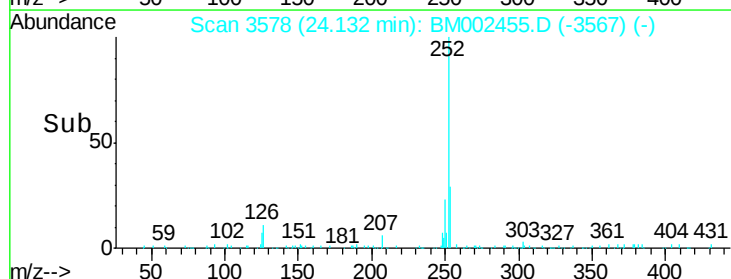
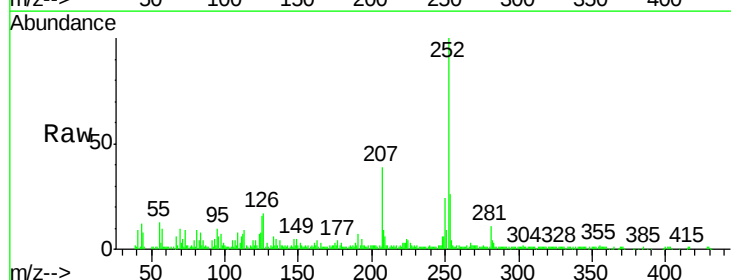
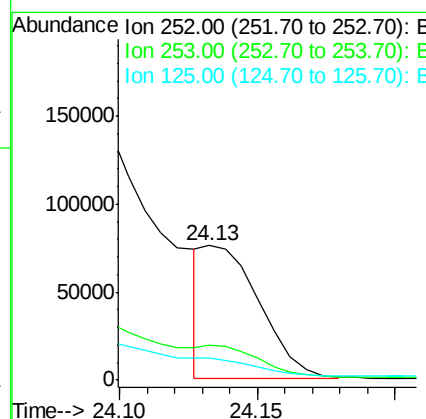
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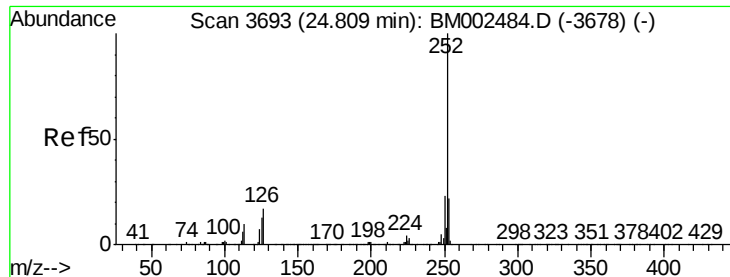
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#24
Benzo(k)fluoranthene
Concen: 4.29 ng/ul m
RT: 24.13 min Scan# 3578
Delta R.T. -0.01 min
Lab File: BM002455.D
Acq: 17 Aug 2015 17:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.8	26.6
125	16.1	9.8	14.8#





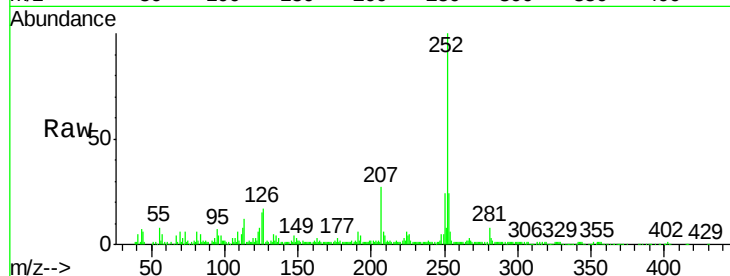
#26
Benzo(a)pyrene
Concen: 9.35 ng/ul
RT: 24.80 min Scan# 3691
Delta R.T. 0.00 min
Lab File: BM002455.D
Acq: 17 Aug 2015 17:25

Instrument :
BNA_M
ClientSampleId :
D9DC5MSD

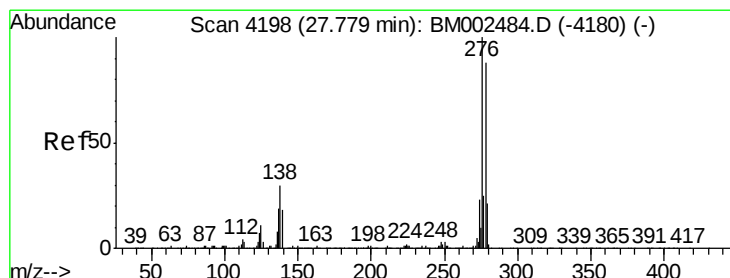
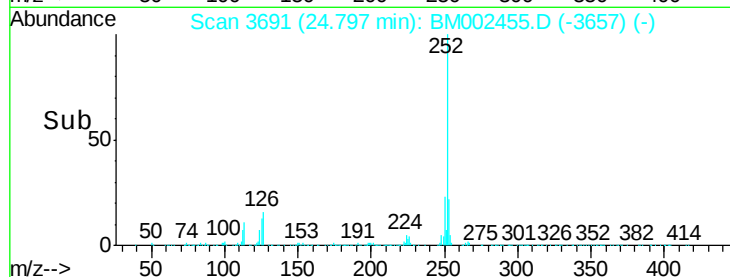
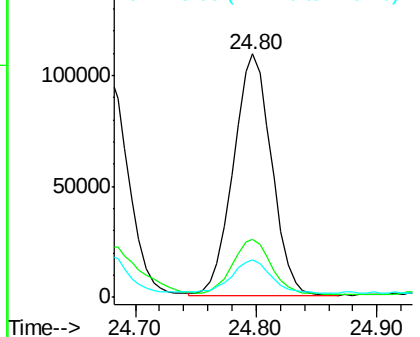
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	239084		
253	23.8	17.6	26.4	
125	15.2	10.7	16.1	

Manual Integrations
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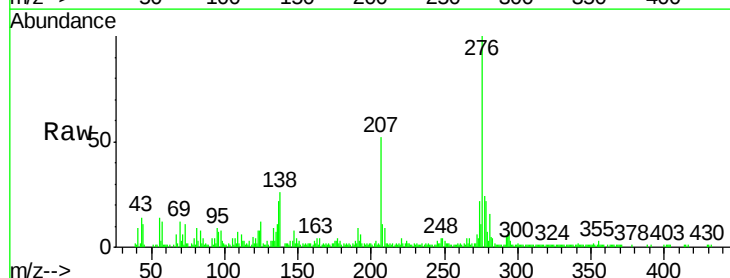


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

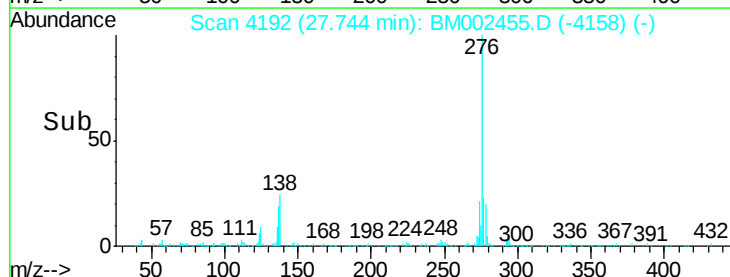
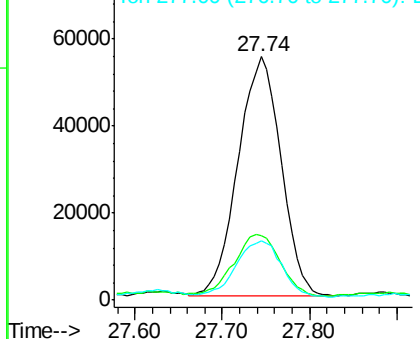


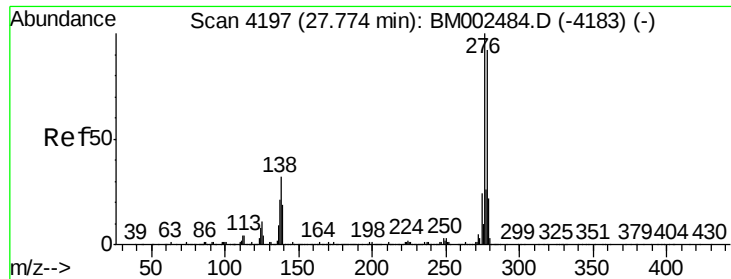
#27
Indeno(1,2,3-cd)pyrene
Concen: 6.32 ng/ul
RT: 27.74 min Scan# 4192
Delta R.T. 0.00 min
Lab File: BM002455.D
Acq: 17 Aug 2015 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	185701		
138	26.4	25.3	37.9	
277	24.5	20.2	30.2	



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





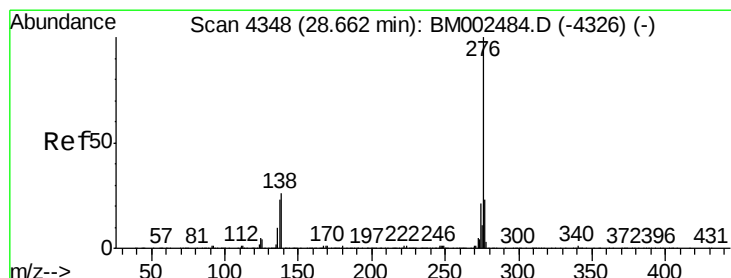
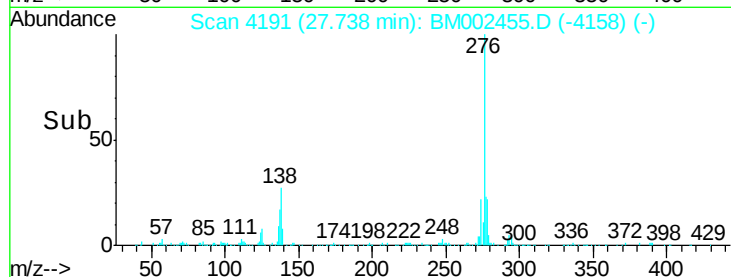
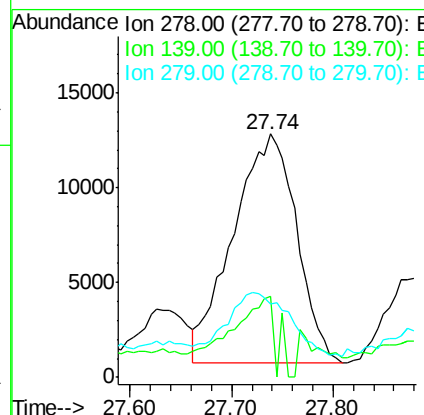
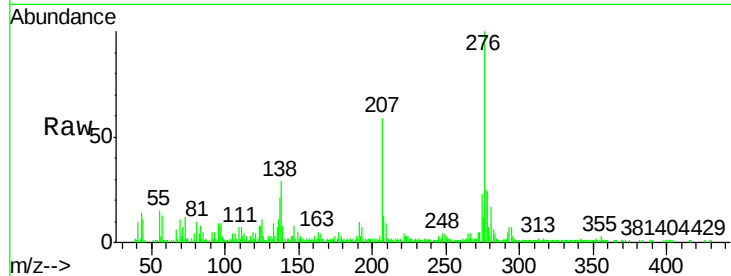
#28
Dibenzo(a,h)anthracene
Concen: 2.14 ng/ul
RT: 27.74 min Scan# 4191
Delta R.T. -0.01 min
Lab File: BM002455.D
Acq: 17 Aug 2015 17:25

Instrument :
BNA_M
ClientSampleId :
D9DC5MSD

Tgt Ion	Ratio	Lower	Upper
278	100		
139	33.3	16.5	24.7#
279	30.3	18.8	28.2#

Manual Integrations
APPROVED

MMDadoda
8/18/2015 5:15:47 PM



#29
Benzo(g,h,i)perylene
Concen: 7.13 ng/ul
RT: 28.63 min Scan# 4343
Delta R.T. 0.01 min
Lab File: BM002455.D
Acq: 17 Aug 2015 17:25

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.8	21.0	31.6
277	24.3	19.2	28.8

