

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081016\
 Data File : BM007024.D
 Acq On : 11 Aug 2016 05:36
 Operator : UM/SJ
 Sample : H4302-07DL 4X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 DA0H1DL

Manual Integrations
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 8/11/2016 7:55:04 AM

Quant Time: Aug 11 06:57:17 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 10 01:30:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	334230	20.00	ng/ul	0.00
7) Naphthalene-d8	10.60	136	1502338	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.45	164	943538	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.19	188	2327072	20.00	ng/ul	0.00
29) Chrysene-d12	21.37	240	2729025	20.00	ng/ul	0.00
34) Perylene-d12	23.66	264	2414068	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.32	96	2594	0.35	ng/uL	0.00
3) Phenol-d5	6.98	99	111537	3.75	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.15	67	70958	4.27	ng/ul	0.00
5) 2-Chlorophenol-d4	7.35	132	94472	4.19	ng/ul	0.00
6) 4-Methylphenol-d8	8.51	113	82142	3.26	ng/ul	0.00
8) Nitrobenzene-d5	8.97	128	45737	3.99	ng/ul	0.00
9) 2-Nitrophenol-d4	9.69	143	46288	3.52	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.22	165	106262	4.14	ng/ul	0.00
12) 4-Chloroaniline-d4	10.74	131	74382	2.48	ng/ul	0.00
16) Dimethylphthalate-d6	13.86	166	359554	4.46	ng/ul	-0.01
17) Acenaphthylene-d8	14.14	160	452019	4.79	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	26418	1.83	ng/ul	0.00
21) Fluorene-d10	15.44	176	336105	4.90	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.55	200	20889	1.66	ng/ul	0.00
26) Anthracene-d10	17.29	188	546756	5.04	ng/ul	0.00
30) Pyrene-d10	19.58	212	653224	5.26	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.51	264	541368	4.88	ng/ul	0.00

Target Compounds

						Qvalue
11) Naphthalene	10.65	128	264429	3.51	ng/ul	99
19) Acenaphthene	14.51	153	268855	4.26	ng/ul	99
22) Fluorene	15.50	166	166438	2.22	ng/ul	98
25) Phenanthrene	17.23	178	3544607	28.43	ng/ul	99
27) Anthracene	17.32	178	705926	5.48	ng/ul	99
28) Fluoranthene	19.25	202	6612181	42.11	ng/ul	98
31) Pyrene	19.62	202	5651106	35.70	ng/ul	98
32) Benzo(a)anthracene	21.36	228	3424144	21.31	ng/ul	99
33) Chrysene	21.41	228	3323331	22.79	ng/ul	97
35) Benzo(b)fluoranthene	22.97	252	4942424	32.96	ng/ul	98
36) Benzo(k)fluoranthene	23.02	252	1437252m	10.15	ng/ul	
38) Benzo(a)pyrene	23.56	252	3077037	22.30	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.96	276	2408133	17.60	ng/ul	98
40) Dibenzo(a,h)anthracene	25.96	278	600972m	5.31	ng/ul	
41) Benzo(g,h,i)perylene	26.67	276	2319786	20.62	ng/ul	97

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

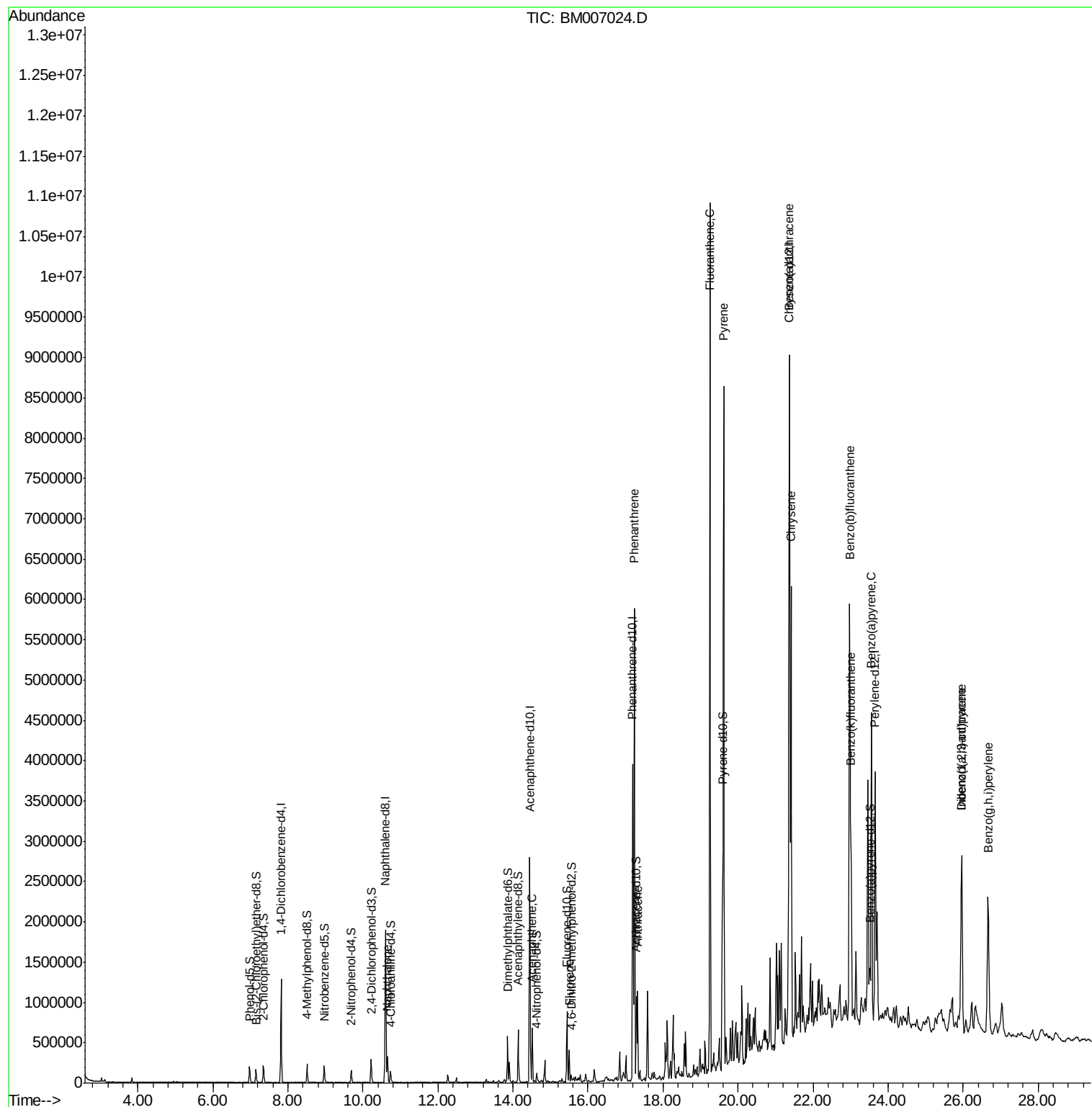
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081016\
Data File : BM007024.D
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ALS Vial : 25 Sample Multiplier: 1

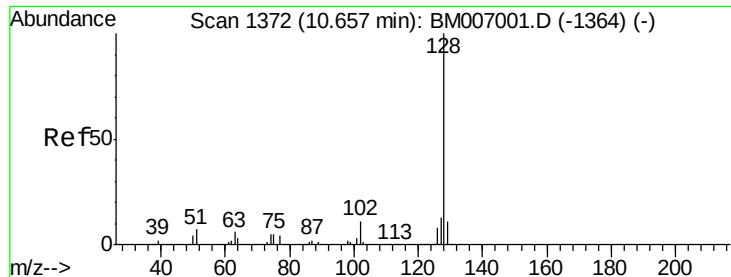
Instrument :
BNA_M
ClientSampleId :
DA0H1DL

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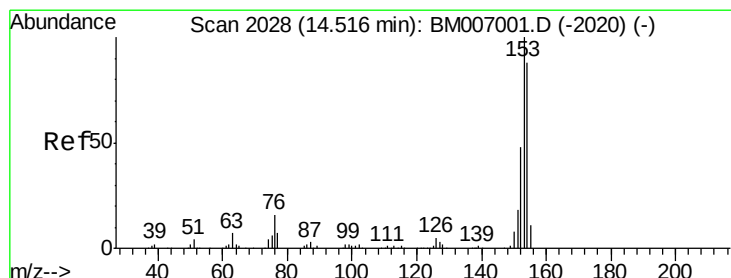
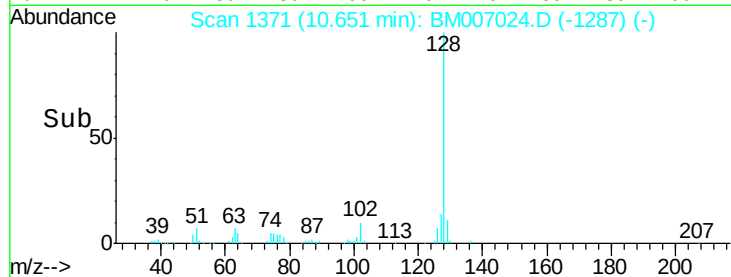
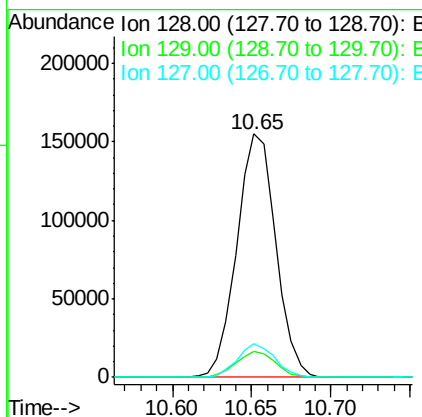
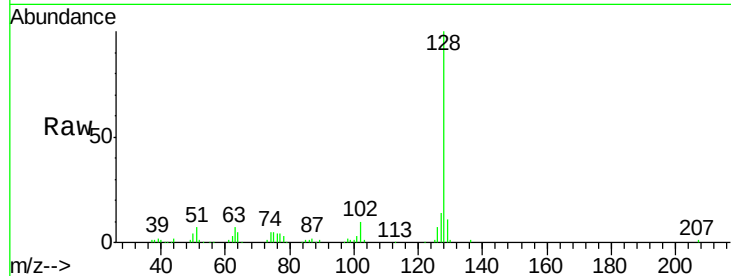
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Naphthalene
Concen: 3.51 ng/ul
RT: 10.65 min Scan# 1371
Delta R.T. -0.01 min
Lab File: BM007024.D
Acq: 11 Aug 2016 05:36

Instrument :
BNA_M
ClientSampleId :
DA0H1DL

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	264429		
129	10.5	8.9	13.3	
127	13.6	10.4	15.6	

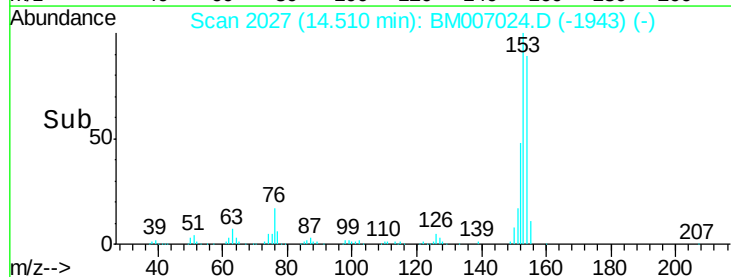
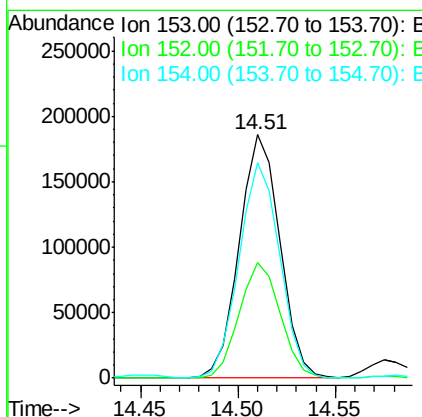
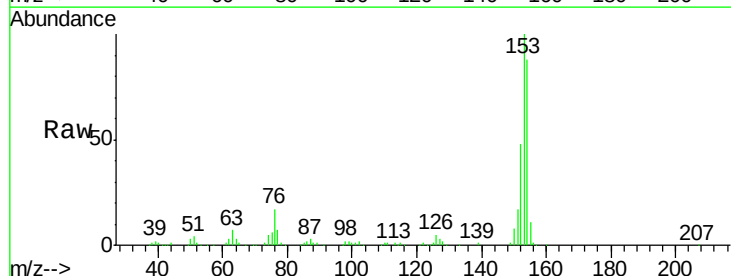
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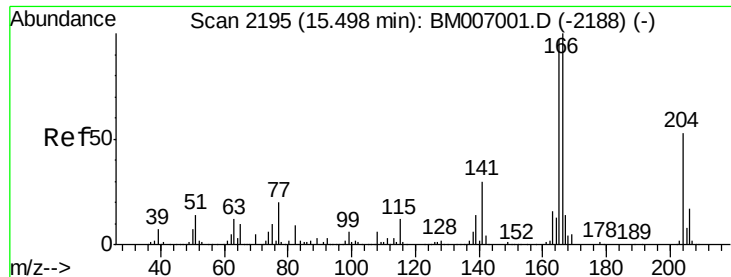
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#19
Acenaphthene
Concen: 4.26 ng/ul
RT: 14.51 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BM007024.D
Acq: 11 Aug 2016 05:36

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	268855		
152	47.6	37.0	55.6	
154	88.4	70.9	106.3	





#22

Fluorene

Concen: 2.22 ng/ul

RT: 15.50 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BM007024.D

Acq: 11 Aug 2016 05:36

Instrument :

BNA_M

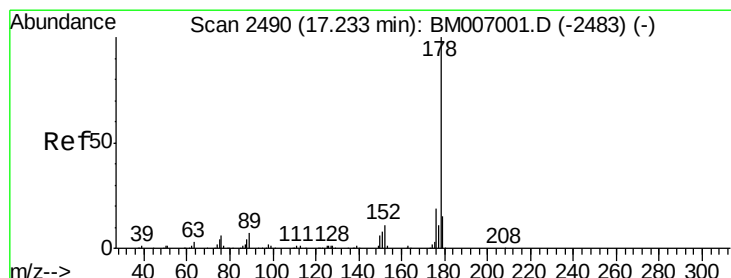
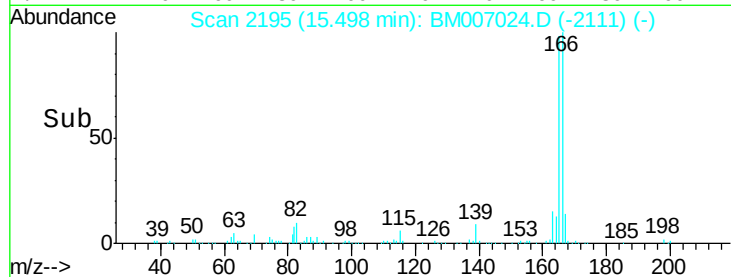
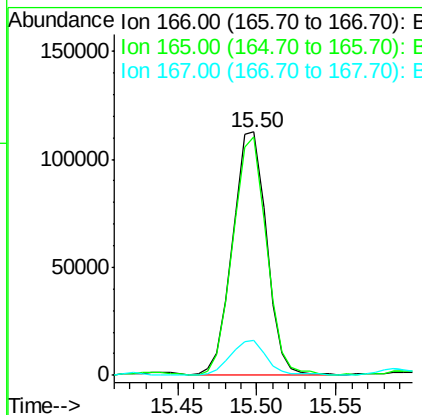
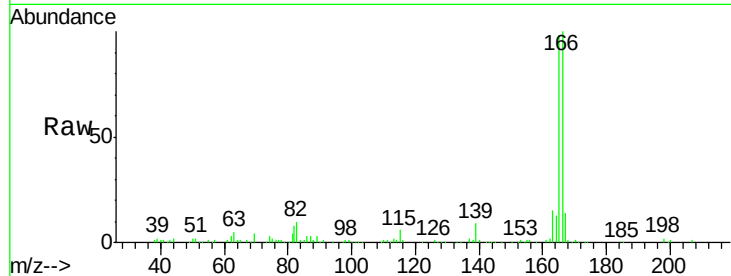
ClientSampleId :

DA0H1DL

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	166438		
165	97.9	76.6	115.0	
167	14.4	10.7	16.1	

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#25

Phenanthrene

Concen: 28.43 ng/ul

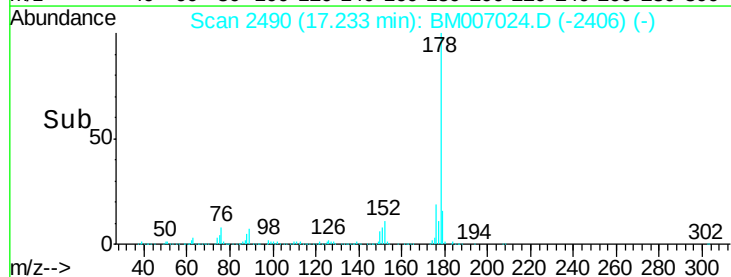
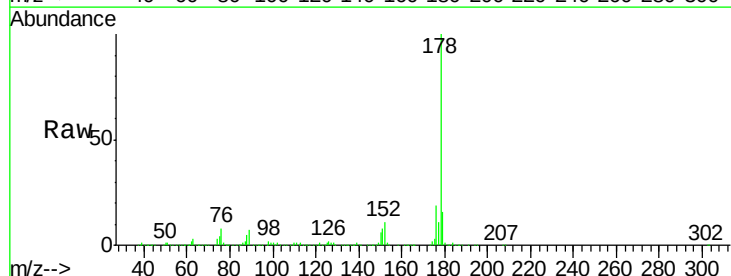
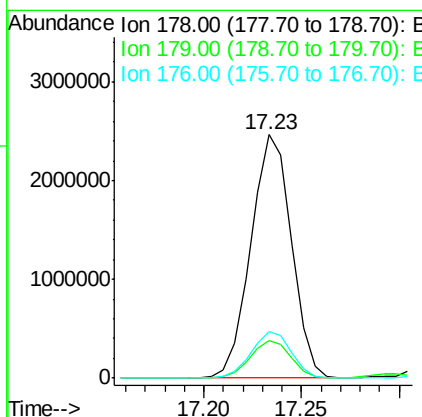
RT: 17.23 min Scan# 2490

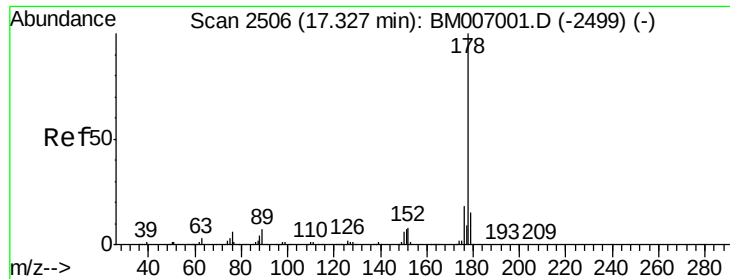
Delta R.T. -0.01 min

Lab File: BM007024.D

Acq: 11 Aug 2016 05:36

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	3544607		
179	15.5	12.2	18.2	
176	19.3	15.2	22.8	





#27

Anthracene

Concen: 5.48 ng/ul

RT: 17.32 min Scan# 2505

Delta R.T. -0.01 min

Lab File: BM007024.D

Acq: 11 Aug 2016 05:36

Instrument :

BNA_M

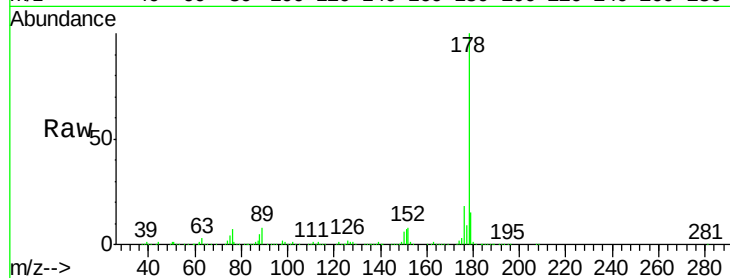
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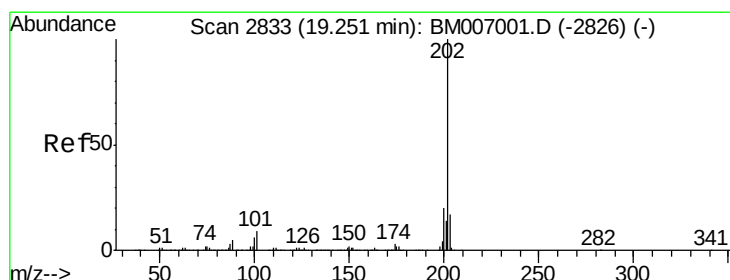
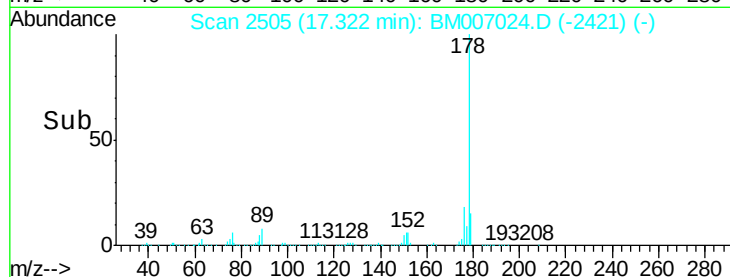
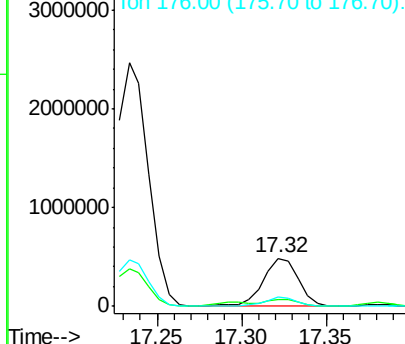
Tgt Ion:	178	Resp:	705926
Ion Ratio	Lower	Upper	
178	100		
179	15.5	12.5	18.7
176	18.3	15.0	22.4

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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



#28

Fluoranthene

Concen: 42.11 ng/ul

RT: 19.25 min Scan# 2833

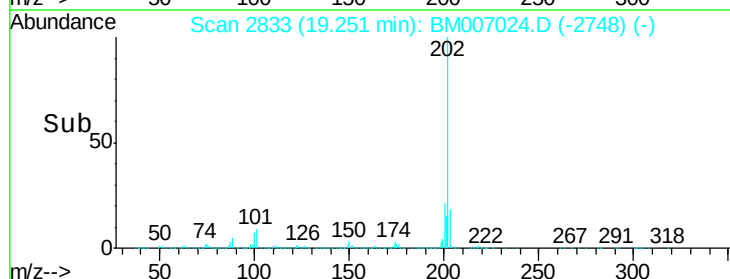
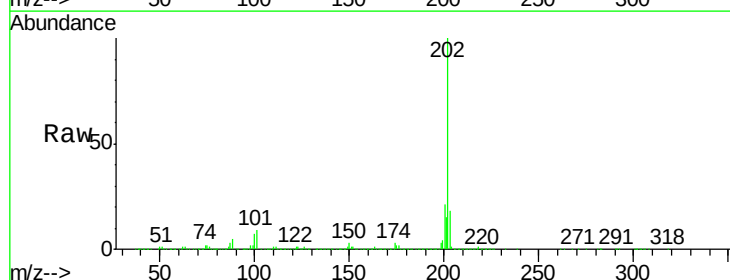
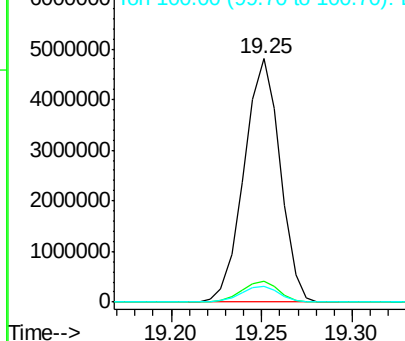
Delta R.T. 0.00 min

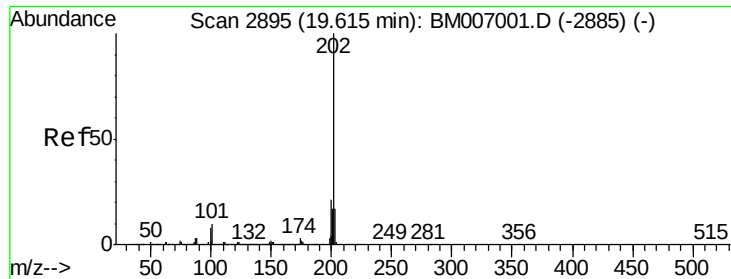
Lab File: BM007024.D

Acq: 11 Aug 2016 05:36

Tgt Ion:	202	Resp:	6612181
Ion Ratio	Lower	Upper	
202	100		
101	8.7	7.4	11.2
100	6.5	5.8	8.6

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





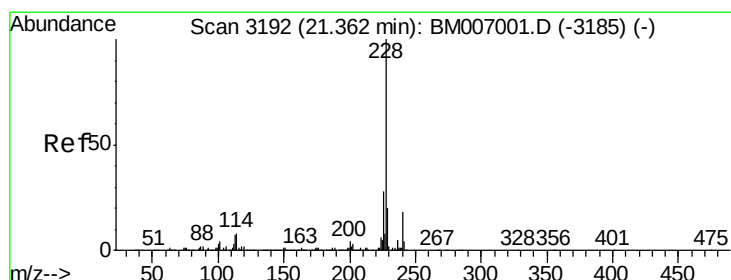
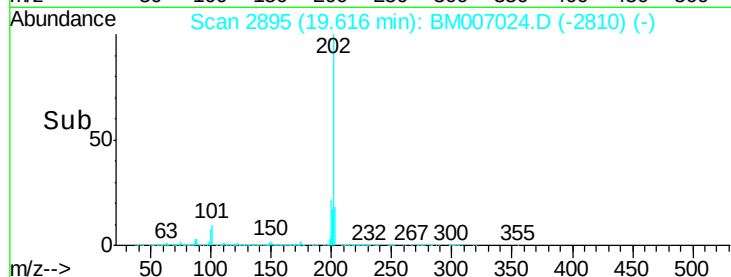
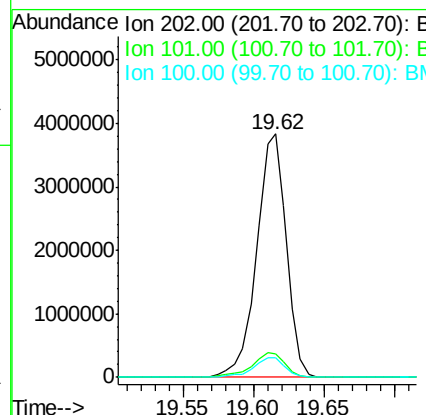
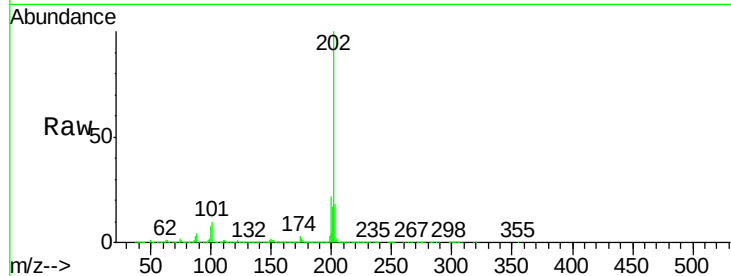
#31
 Pyrene
 Concen: 35.70 ng/ul
 RT: 19.62 min Scan# 2895
 Delta R.T. 0.00 min
 Lab File: BM007024.D
 Acq: 11 Aug 2016 05:36

Instrument :
 BNA_M
 ClientSampleId :
 DA0H1DL

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	8.5	12.7
100	8.0	7.1	10.7

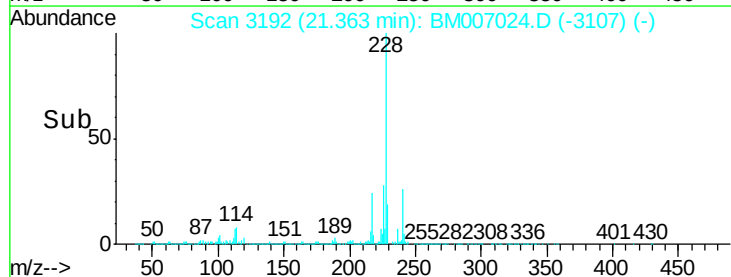
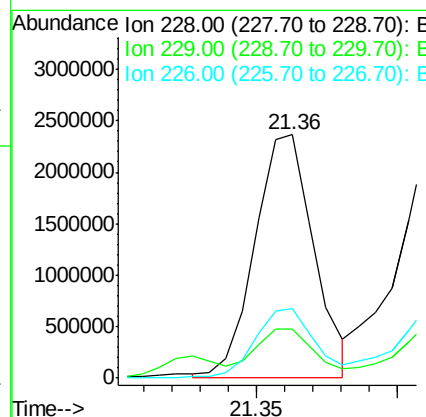
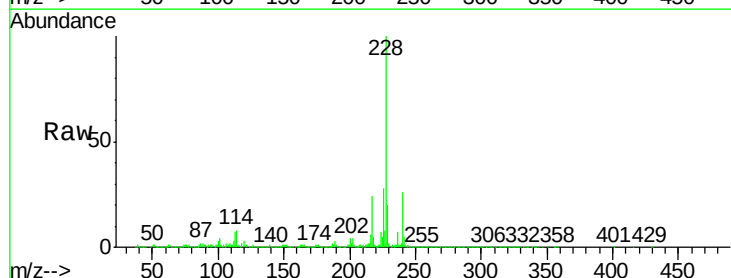
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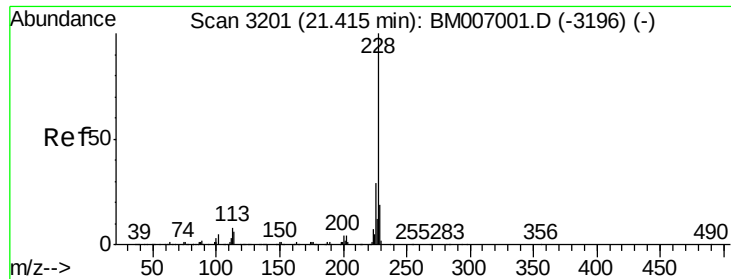
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#32
 Benzo(a)anthracene
 Concen: 21.31 ng/ul
 RT: 21.36 min Scan# 3192
 Delta R.T. 0.00 min
 Lab File: BM007024.D
 Acq: 11 Aug 2016 05:36

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.0	15.8	23.6
226	28.4	21.9	32.9





#33

Chrysene

Concen: 22.79 ng/ul

RT: 21.41 min Scan# 3200

Delta R.T. -0.01 min

Lab File: BM007024.D

Acq: 11 Aug 2016 05:36

Instrument :

BNA_M

ClientSampleId :

DA0H1DL

Tgt Ion: 228 Resp: 3323331

Ion Ratio Lower Upper

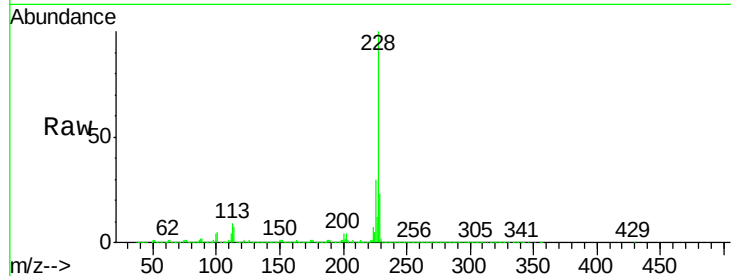
228 100

226 29.7 24.2 36.4

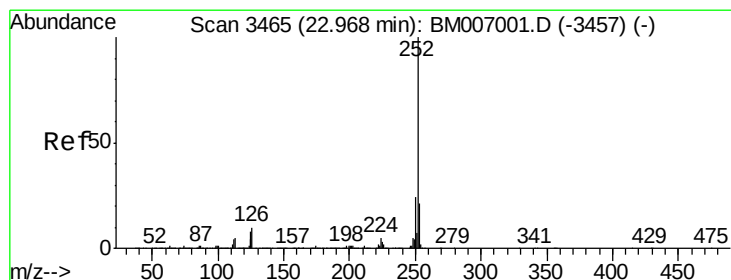
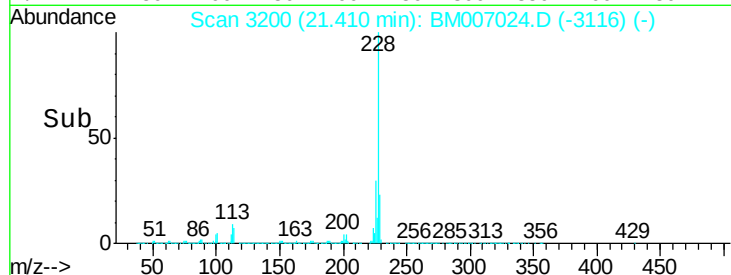
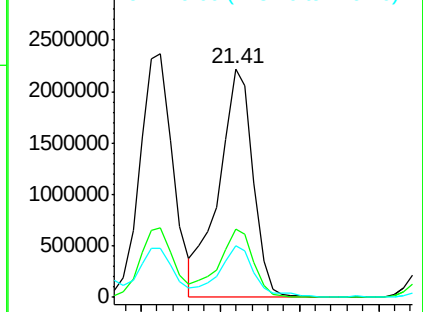
229 22.6 15.9 23.9

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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



#35

Benzo(b)fluoranthene

Concen: 32.96 ng/ul

RT: 22.97 min Scan# 3466

Delta R.T. 0.01 min

Lab File: BM007024.D

Acq: 11 Aug 2016 05:36

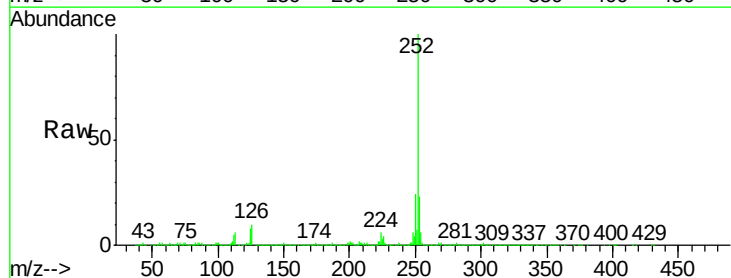
Tgt Ion: 252 Resp: 4942424

Ion Ratio Lower Upper

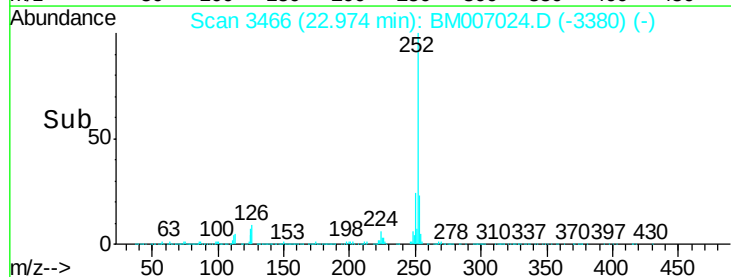
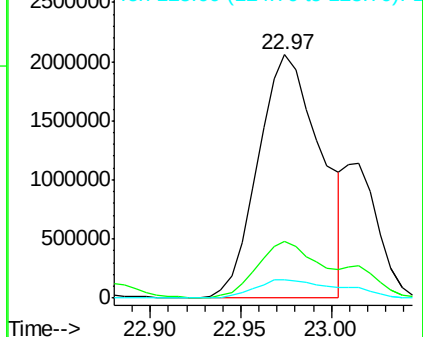
252 100

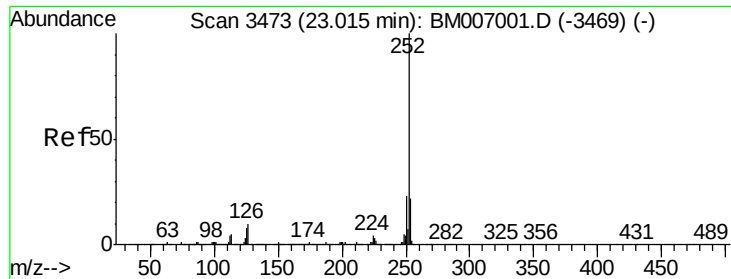
253 23.2 17.4 26.2

125 7.6 6.0 9.0



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





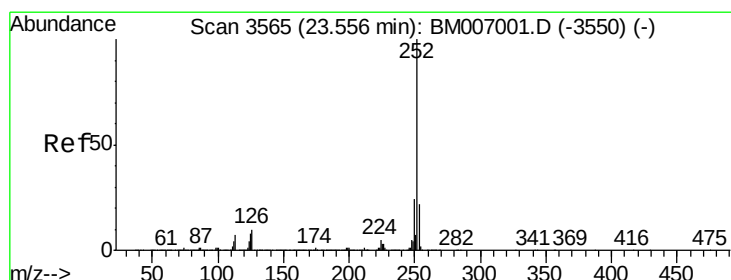
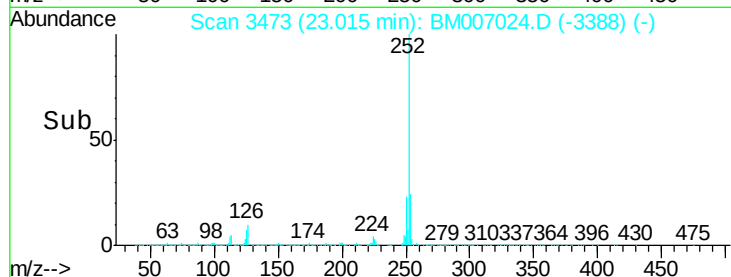
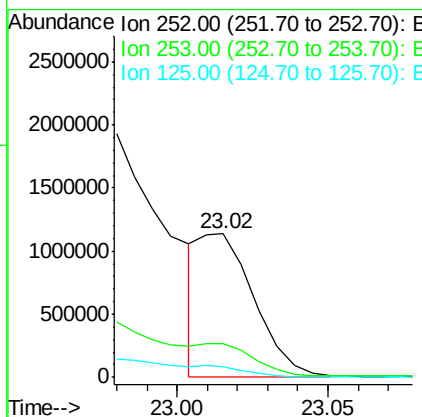
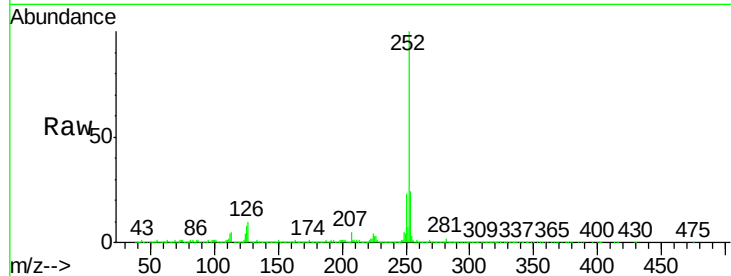
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Benzo(k)fluoranthene
Concen: 10.15 ng/ul m
RT: 23.02 min Scan# 3473
Delta R.T. 0.00 min
Lab File: BM007024.D
Acq: 11 Aug 2016 05:36

Instrument :
BNA_M
ClientSampleId :
DA0H1DL

Tgt Ion:252 Resp: 1437252
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 7.6 6.2 9.4

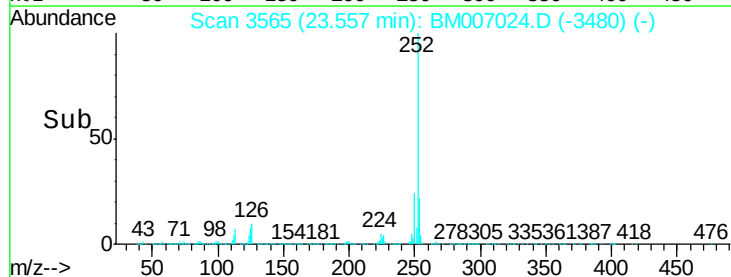
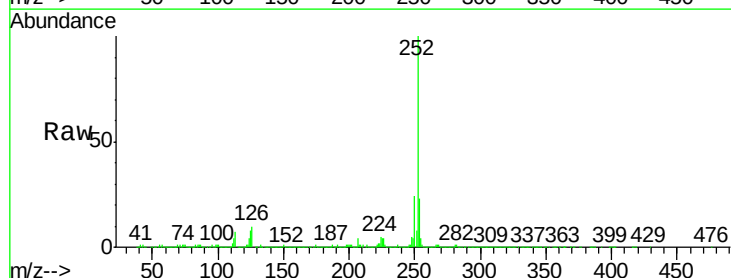
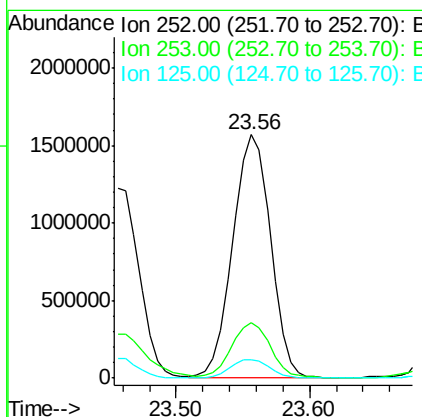
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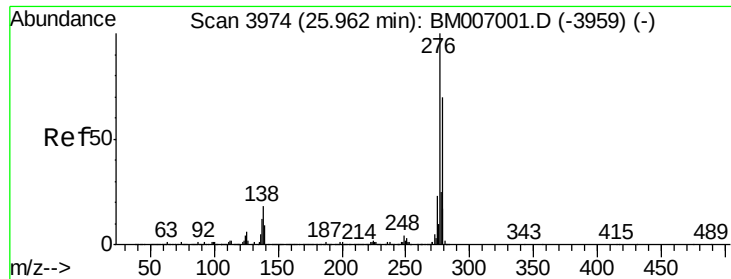
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#38
Benzo(a)pyrene
Concen: 22.30 ng/ul
RT: 23.56 min Scan# 3565
Delta R.T. 0.00 min
Lab File: BM007024.D
Acq: 11 Aug 2016 05:36

Tgt Ion:252 Resp: 3077037
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 7.7 6.8 10.2





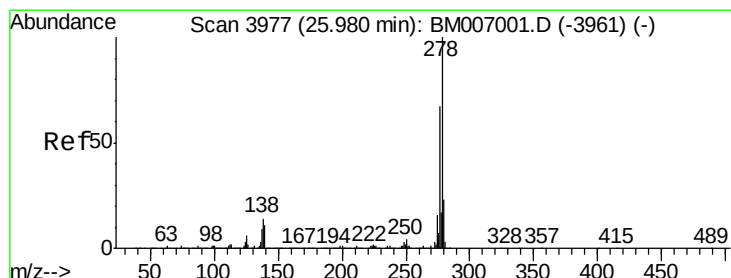
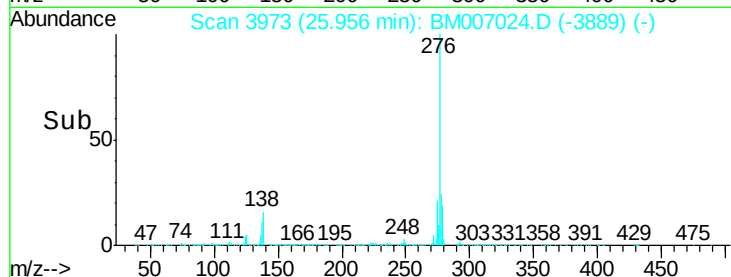
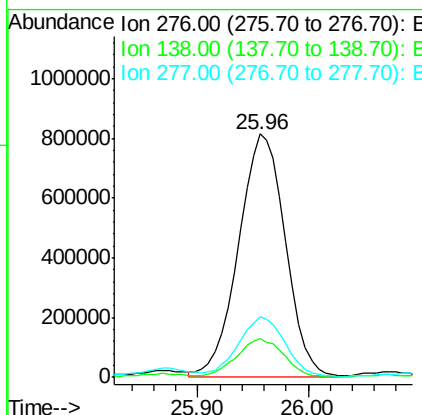
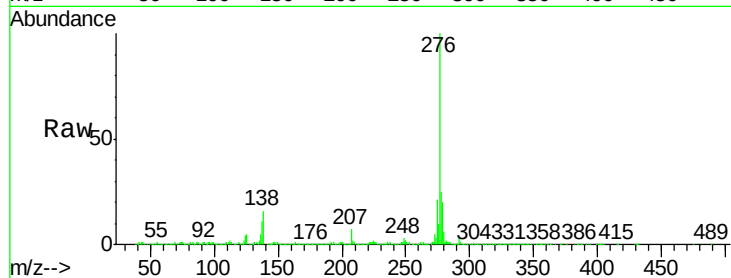
#39
Indeno(1,2,3-cd)pyrene
Concen: 17.60 ng/ul
RT: 25.96 min Scan# 3973
Delta R.T. -0.01 min
Lab File: BM007024.D
Acq: 11 Aug 2016 05:36

Instrument :
BNA_M
ClientSampleId :
DA0H1DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.1	14.9	22.3
277	24.7	19.8	29.6

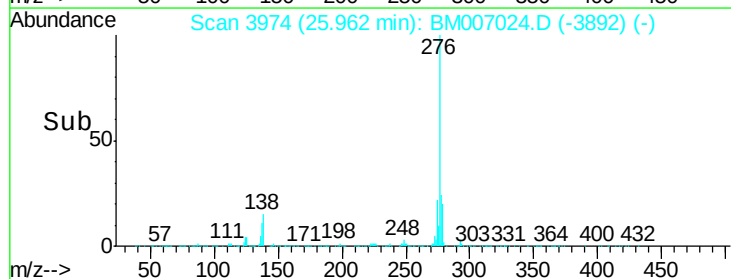
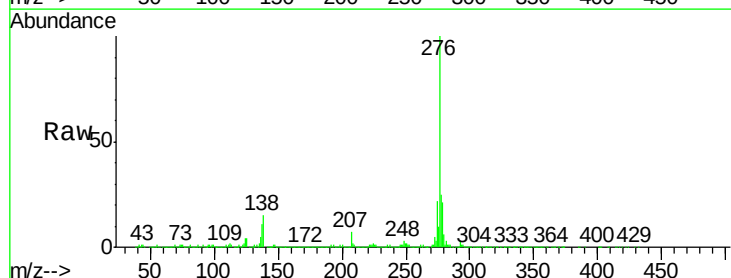
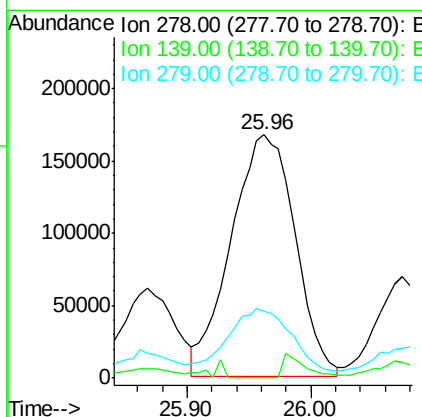
Manual Integrations
APPROVED

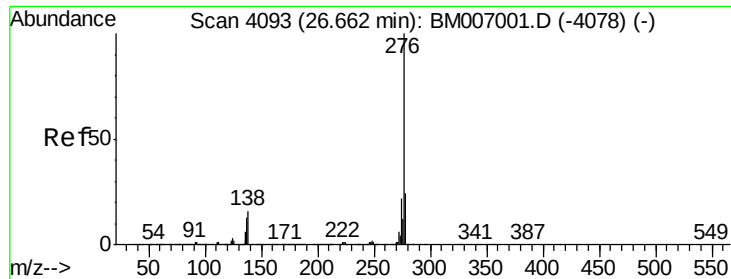
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#40
Dibenzo(a,h)anthracene
Concen: 5.31 ng/ul m
RT: 25.96 min Scan# 3974
Delta R.T. -0.02 min
Lab File: BM007024.D
Acq: 11 Aug 2016 05:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	10.3	15.5#
279	27.3	18.8	28.2





#41

Benzo(g,h,i)perylene

Concen: 20.62 ng/ul

RT: 26.67 min Scan# 4094

Delta R.T. 0.01 min

Lab File: BM007024.D

Acq: 11 Aug 2016 05:36

Instrument :

BNA_M

ClientSampleId :

DA0H1DL

Tgt Ion: 276 Resp: 2319786

Ion Ratio Lower Upper

276 100

138 15.6 14.0 21.0

277 23.7 19.6 29.4

Manual Integrations

APPROVED

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