

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
 Data File : BM005580.D
 Acq On : 22 May 2016 09:04
 Operator : UM/SJ
 Sample : H2890-06
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9WT2

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Quant Time: May 23 08:13:58 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 23 05:32:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	111951	20.00	ng/ul	0.02
18) Naphthalene-d8	10.62	136	458523	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.46	164	247981	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.20	188	537375	20.00	ng/ul	0.02
75) Chrysene-d12	21.38	240	588941	20.00	ng/ul	0.02
83) Perylene-d12	23.67	264	627715	20.00	ng/ul	0.03

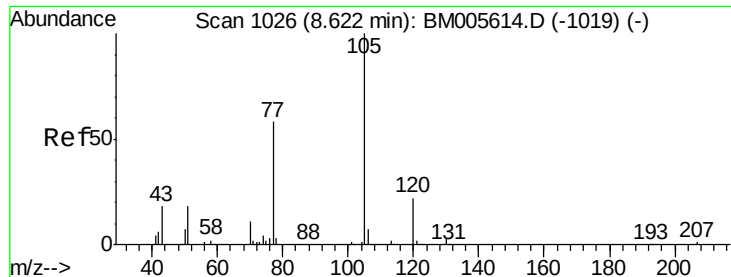
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	7662	3.00	ng/uL	0.02
5) Phenol-d5	7.00	99	149548	16.30	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.16	67	97233	18.28	ng/ul	0.01
9) 2-Chlorophenol-d4	7.36	132	132281	17.28	ng/ul	0.02
13) 4-Methylphenol-d8	8.53	113	114405	15.21	ng/ul	0.02
19) Nitrobenzene-d5	8.98	128	67080	19.13	ng/ul	0.01
22) 2-Nitrophenol-d4	9.70	143	75370	19.53	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.25	165	124929	17.19	ng/ul	0.02
29) 4-Chloroaniline-d4	10.76	131	82196	11.29	ng/ul	0.02
43) Dimethylphthalate-d6	13.87	166	387365	19.14	ng/ul	0.01
46) Acenaphthylene-d8	14.15	160	488542	19.30	ng/ul	0.01
51) 4-Nitrophenol-d4	14.67	143	28675	7.49	ng/ul	0.02
57) Fluorene-d10	15.45	176	338089	19.19	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.57	200	32184	10.41	ng/ul	0.01
70) Anthracene-d10	17.30	188	478943	18.71	ng/ul	0.01
76) Pyrene-d10	19.59	212	543670	20.38	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.53	264	564966	19.27	ng/ul	0.03

Target Compounds

						Qvalue
14) Acetophenone	8.64	105	31830	2.81	ng/ul	85
28) Naphthalene	10.67	128	486979	21.14	ng/ul	99
34) 2-Methylnaphthalene	12.28	142	425951	25.27	ng/ul	100
40) 1,1'-Biphenyl	13.29	154	42169	2.03	ng/ul	98
44) Dimethylphthalate	13.92	163	133856	6.69	ng/ul	99
53) Dibenzofuran	14.86	168	123445	5.10	ng/ul	95
66) Hexachlorobenzene	16.50	284	21726	3.19	ng/ul#	90
69) Phenanthrene	17.24	178	414768	13.81	ng/ul	99
72) Carbazole	17.61	167	26672	1.00	ng/ul#	89
74) Fluoranthene	19.26	202	394098	11.66	ng/ul	99
77) Pyrene	19.62	202	353439	10.44	ng/ul	99
80) Benzo(a)anthracene	21.36	228	214008	6.18	ng/ul	94
82) Chrysene	21.41	228	261628	7.94	ng/ul	96
85) Benzo(b)fluoranthene	22.98	252	363895	9.83	ng/ul	97
86) Benzo(k)fluoranthene	23.02	252	120249m	3.43	ng/ul	
88) Benzo(a)pyrene	23.57	252	219708	6.12	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	25.99	276	169636	3.98	ng/ul	98
90) Dibenzo(a,h)anthracene	25.99	278	51251	1.44	ng/ul#	89
91) Benzo(g,h,i)perylene	26.70	276	148959	4.15	ng/ul	97

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



#14

Acetophenone

Concen: 2.81 ng/ul

RT: 8.64 min Scan# 1029

Delta R.T. 0.01 min

Lab File: BM005580.D

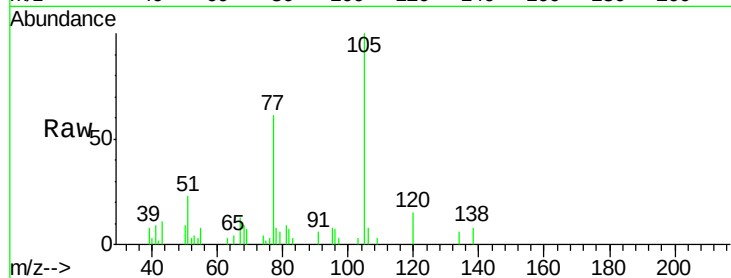
Acq: 22 May 2016 09:04

Instrument :

BNA_M

ClientSampleId :

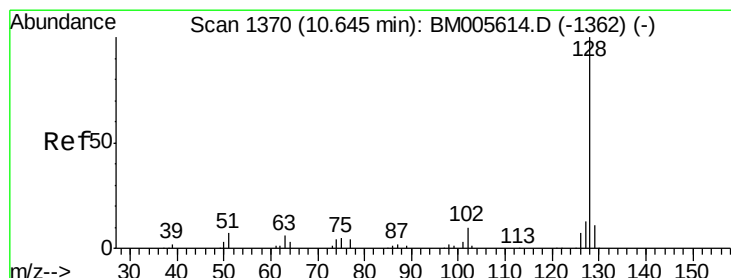
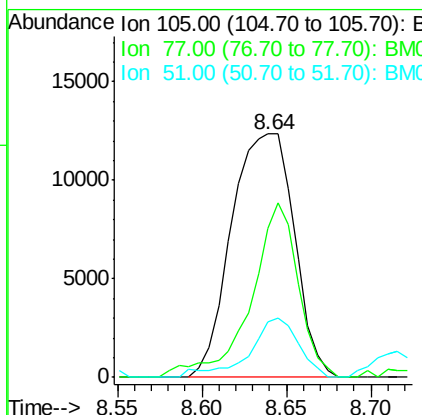
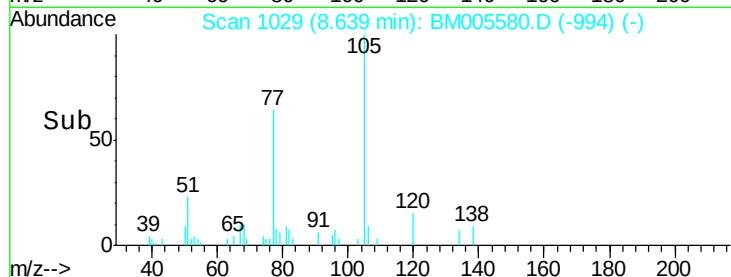
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Tgt Ion:	105	Resp:	31830
Ion Ratio	Lower	Upper	
105	100		
77	61.3	60.8	91.2
51	22.6	22.2	33.2

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#28

Naphthalene

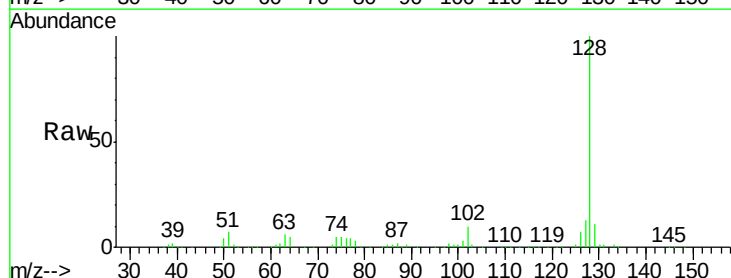
Concen: 21.14 ng/ul

RT: 10.67 min Scan# 1374

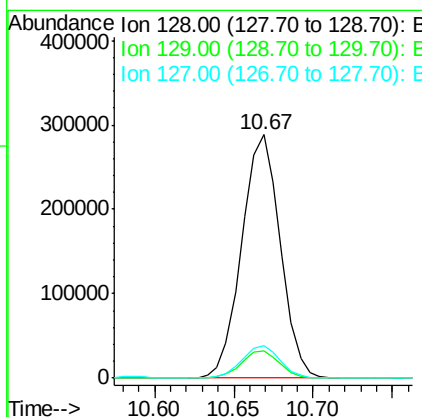
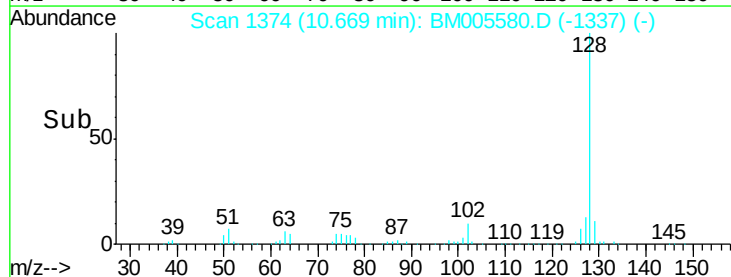
Delta R.T. 0.02 min

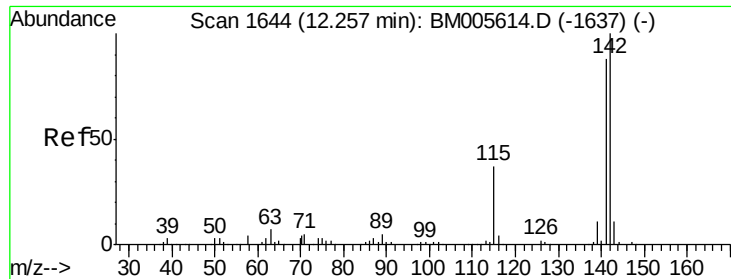
Lab File: BM005580.D

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Tgt Ion:	128	Resp:	486979
Ion Ratio	Lower	Upper	
128	100		
129	11.3	8.6	13.0
127	13.3	10.6	15.8





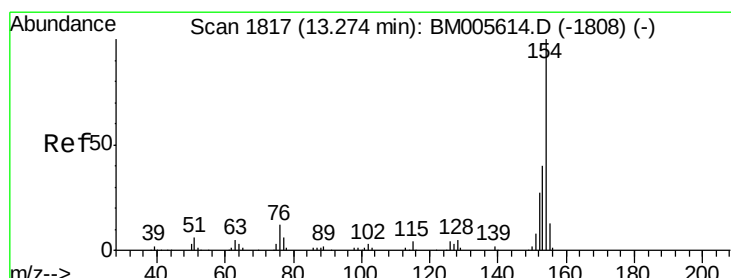
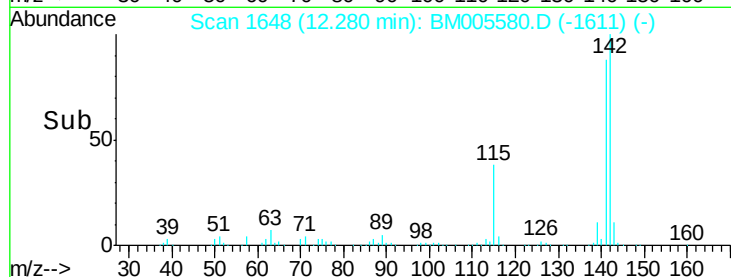
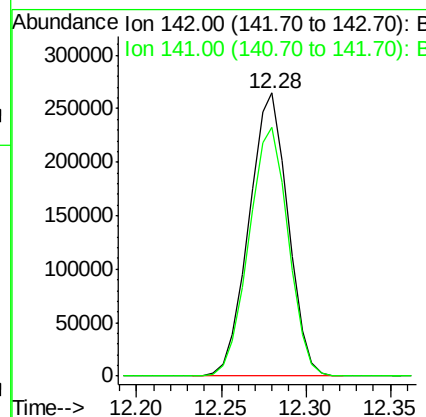
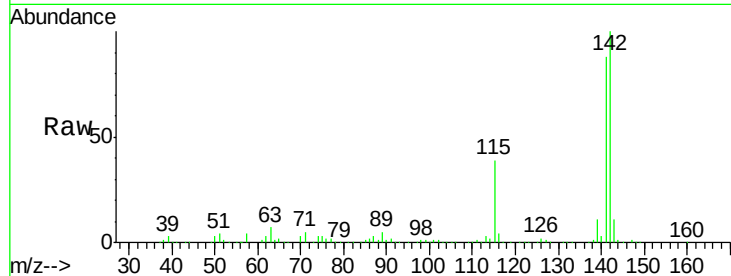
#34
 2-Methylnaphthalene
 Concen: 25.27 ng/ul
 RT: 12.28 min Scan# 1648
 Delta R.T. 0.02 min
 Lab File: BM005580.D
 Acq: 22 May 2016 09:04

Instrument :
 BNA_M
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
142	100	425951		
141	88.1	70.6	106.0	

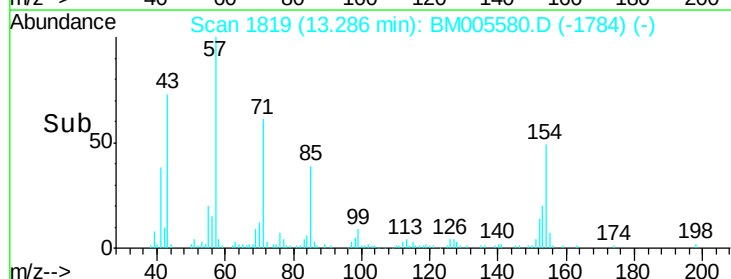
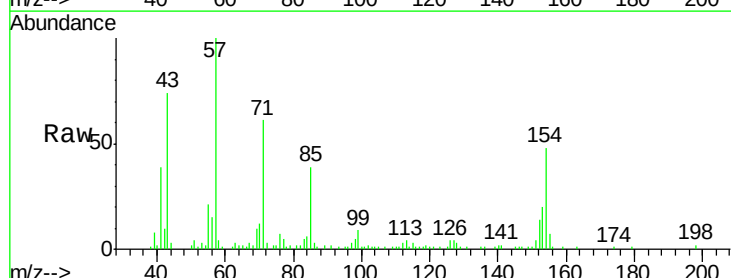
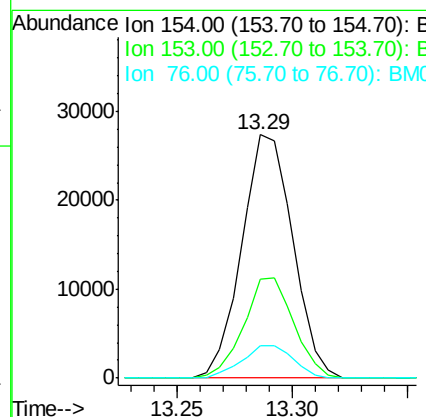
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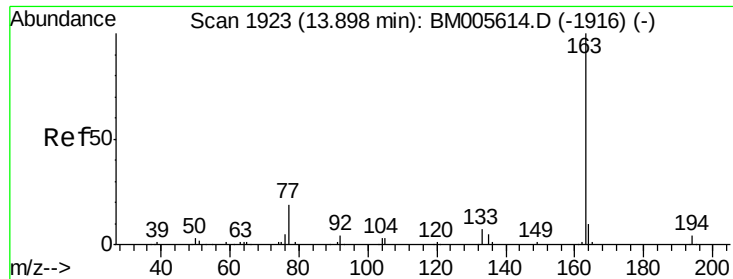
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#40
 1,1'-Biphenyl
 Concen: 2.03 ng/ul
 RT: 13.29 min Scan# 1819
 Delta R.T. 0.01 min
 Lab File: BM005580.D
 Acq: 22 May 2016 09:04

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	42169		
153	40.6	31.7	47.5	
76	13.5	10.1	15.1	





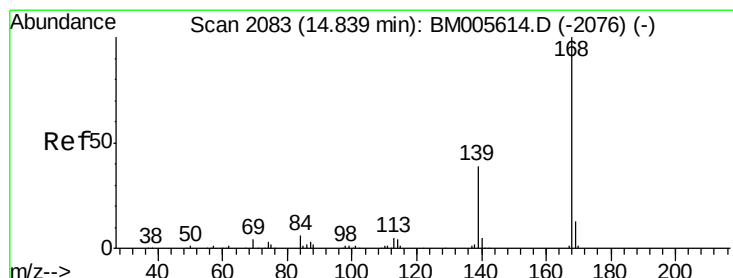
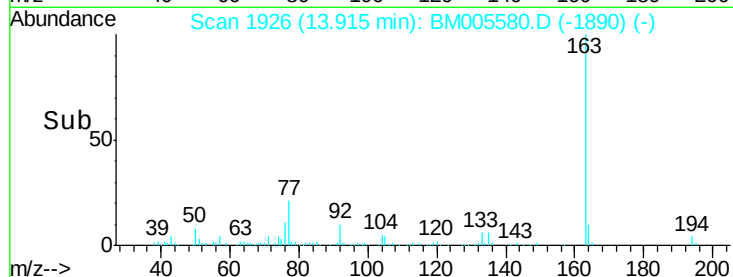
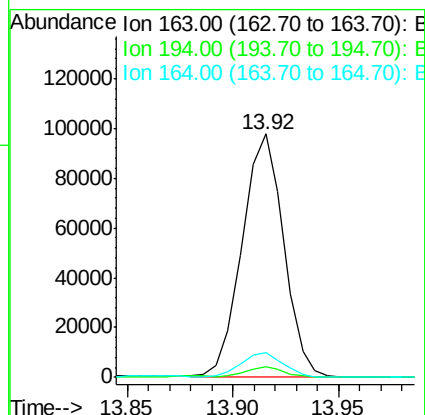
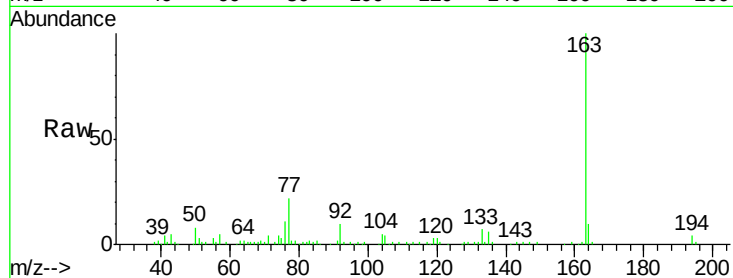
#44
Dimethylphthalate
Concen: 6.69 ng/ul
RT: 13.92 min Scan# 1926
Delta R.T. 0.01 min
Lab File: BM005580.D
Acq: 22 May 2016 09:04

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.4	3.4	5.0
164	10.3	8.0	12.0

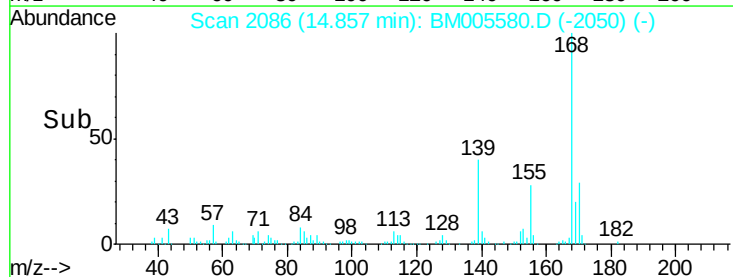
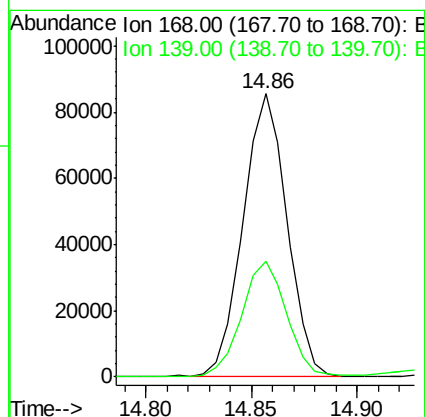
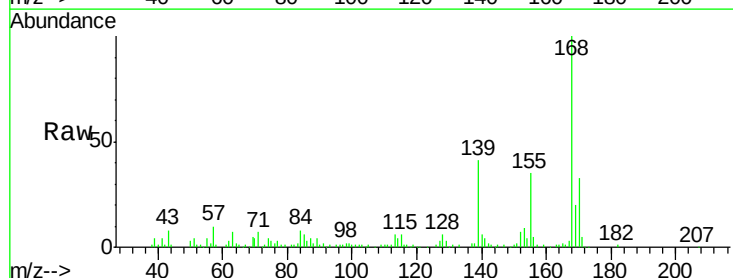
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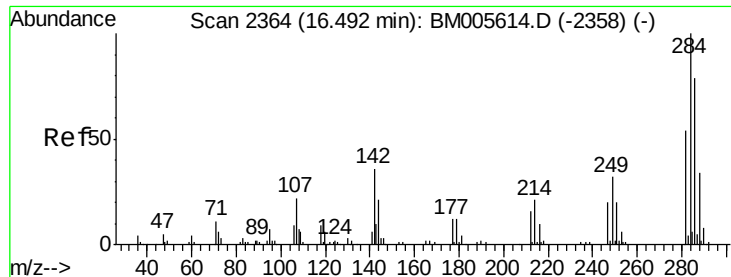
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#53
Dibenzofuran
Concen: 5.10 ng/ul
RT: 14.86 min Scan# 2086
Delta R.T. 0.01 min
Lab File: BM005580.D
Acq: 22 May 2016 09:04

Tgt Ion	Ratio	Resp Lower	Resp Upper
168	100		
139	41.1	30.6	46.0





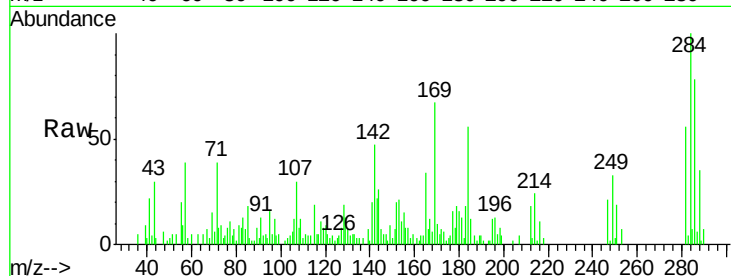
#66
Hexachlorobenzene
Concen: 3.19 ng/ul
RT: 16.50 min Scan# 2366
Delta R.T. 0.01 min
Lab File: BM005580.D
Acq: 22 May 2016 09:04

Instrument :
BNA_M
ClientSampleId :
D9WT2

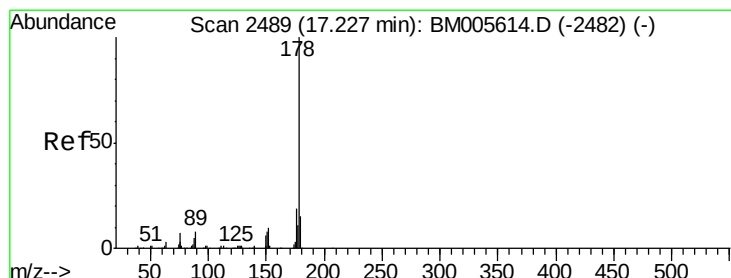
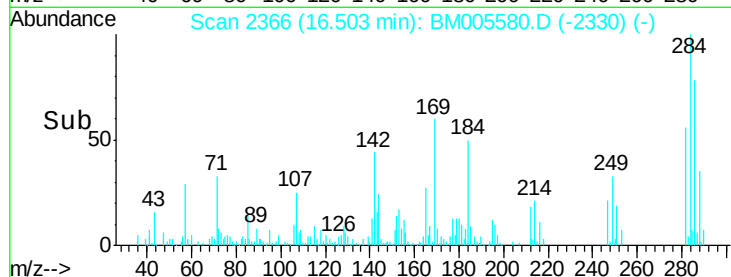
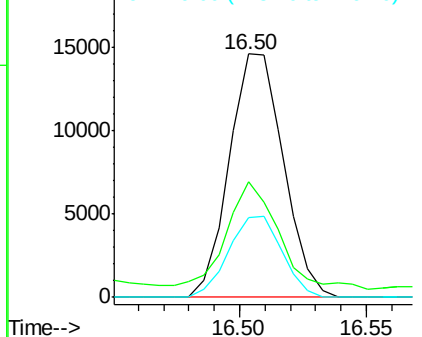
Tgt Ion	Ratio	Resp	Lower	Upper
284	100	21726		
142	47.4	29.1	43.7#	
249	32.9	26.4	39.6	

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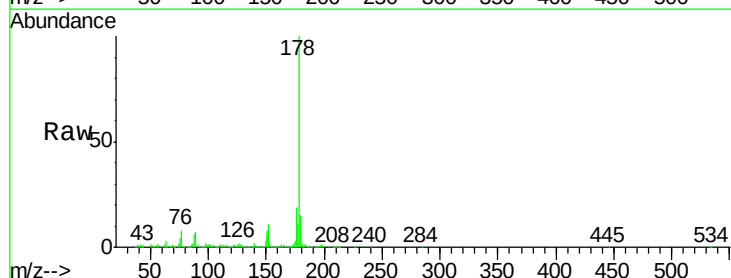


Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

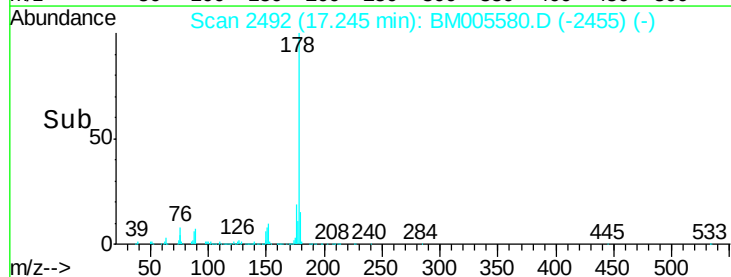
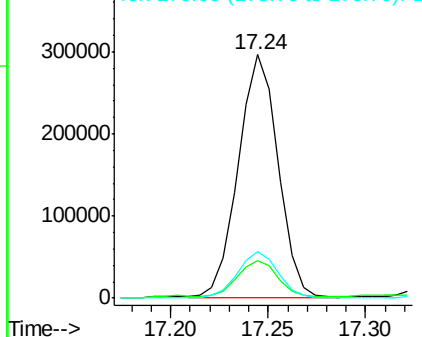


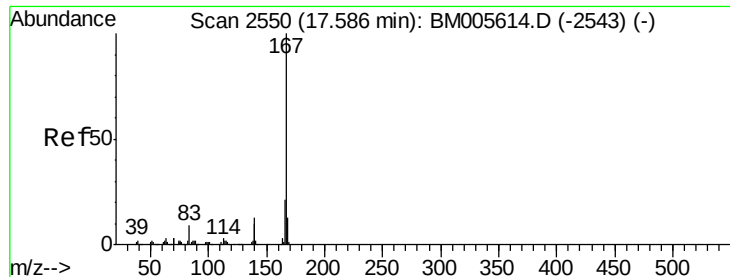
#69
Phenanthrene
Concen: 13.81 ng/ul
RT: 17.24 min Scan# 2492
Delta R.T. 0.02 min
Lab File: BM005580.D
Acq: 22 May 2016 09:04

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	414768		
179	15.3	12.2	18.2	
176	19.1	15.8	23.6	



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





#72

Carbazole

Concen: 1.00 ng/ul

RT: 17.61 min Scan# 2554

Delta R.T. 0.02 min

Lab File: BM005580.D

Acq: 22 May 2016 09:04

Instrument :

BNA_M

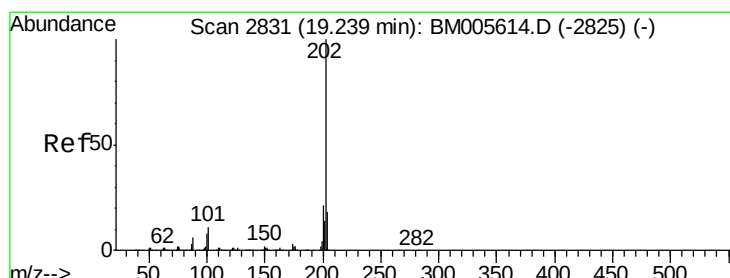
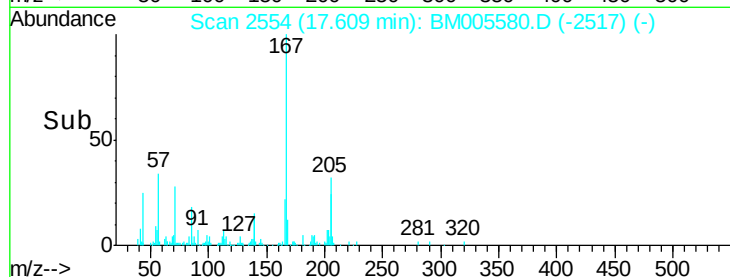
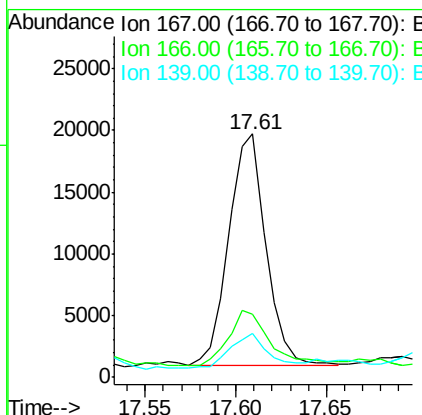
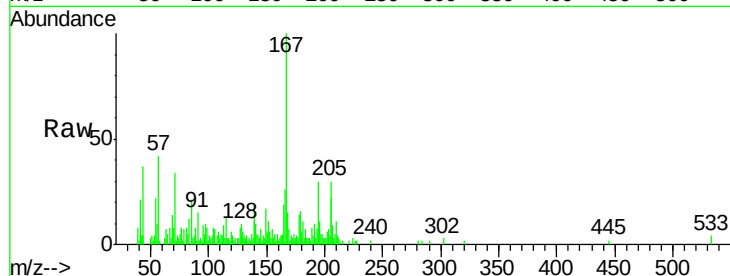
ClientSampled :

D9WT2

Tgt Ion:	167	Resp:	26672
Ion Ratio	Lower	Upper	
167	100		
166	26.0	16.9	25.3#
139	18.2	10.6	16.0#

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#74

Fluoranthene

Concen: 11.66 ng/ul

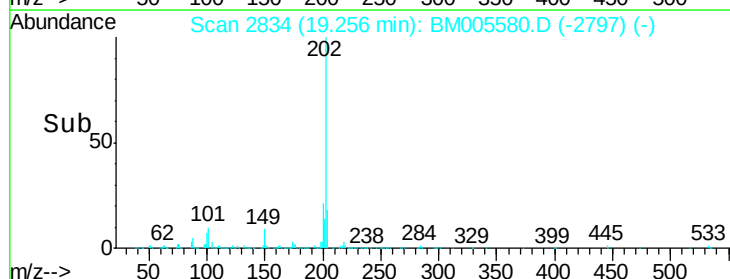
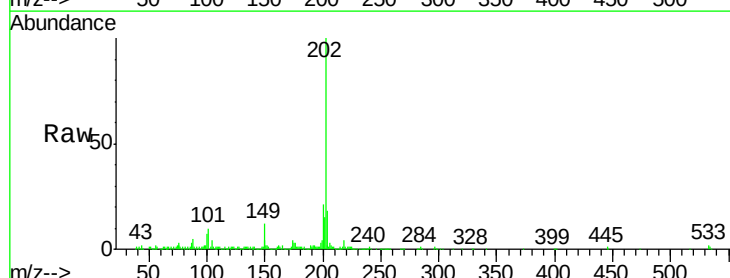
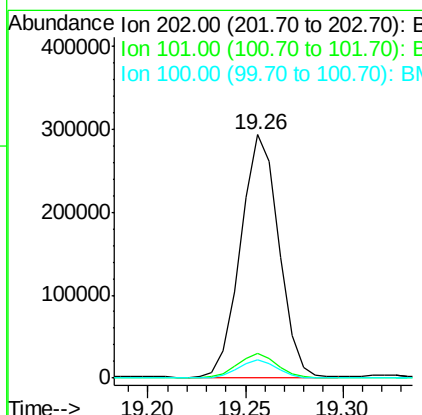
RT: 19.26 min Scan# 2834

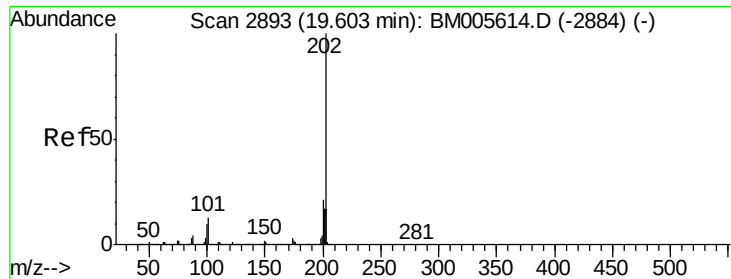
Delta R.T. 0.02 min

Lab File: BM005580.D

Acq: 22 May 2016 09:04

Tgt Ion:	202	Resp:	394098
Ion Ratio	Lower	Upper	
202	100		
101	10.1	7.9	11.9
100	7.3	5.6	8.4





#77

Pyrene

Concen: 10.44 ng/ul

RT: 19.62 min Scan# 2896

Delta R.T. 0.02 min

Lab File: BM005580.D

Acq: 22 May 2016 09:04

Instrument :

BNA_M

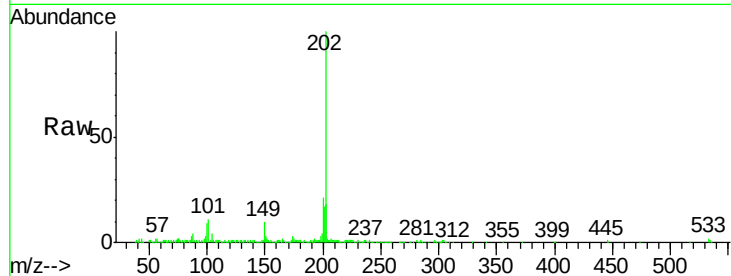
ClientSampleId :

D9WT2

Tgt Ion:	202	Resp:	353439
Ion Ratio	Lower	Upper	
202	100		
101	11.5	9.6	14.4
100	9.2	7.8	11.6

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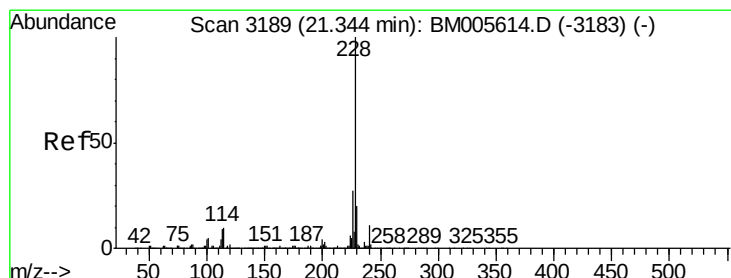
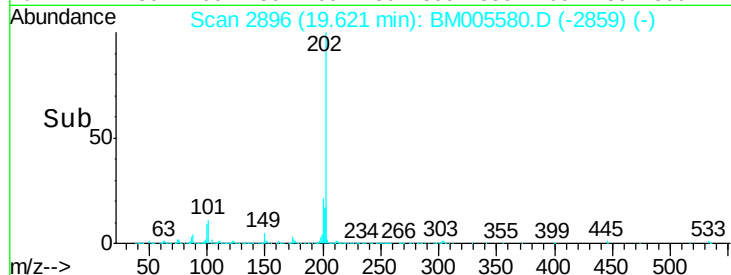
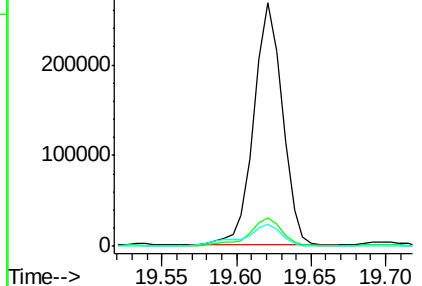
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 6.18 ng/ul

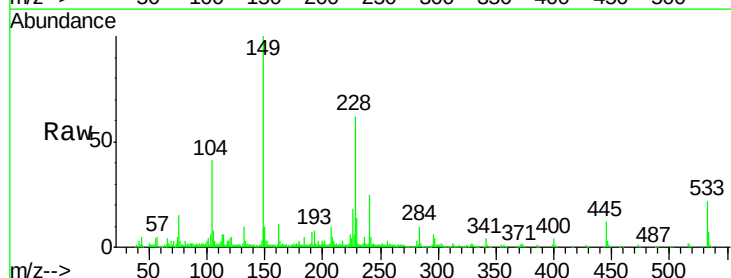
RT: 21.36 min Scan# 3192

Delta R.T. 0.01 min

Lab File: BM005580.D

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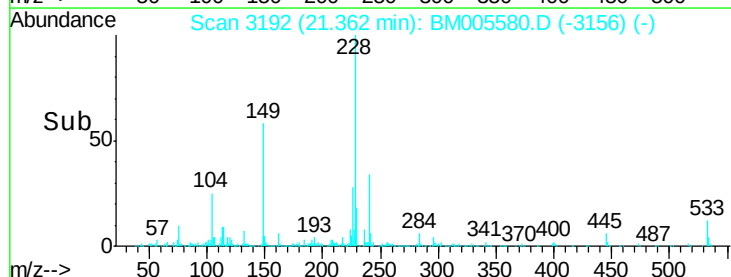
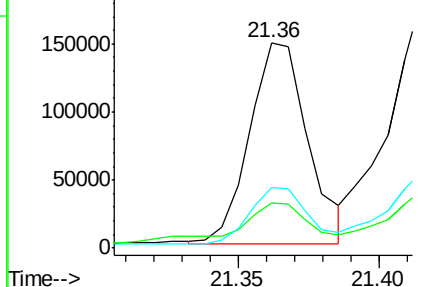
Tgt Ion:	228	Resp:	214008
Ion Ratio	Lower	Upper	
228	100		
229	22.1	15.4	23.2
226	29.4	21.0	31.4

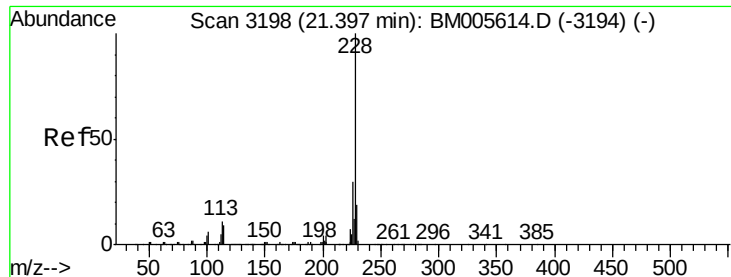


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 7.94 ng/ul

RT: 21.41 min Scan# 3201

Delta R.T. 0.02 min

Lab File: BM005580.D

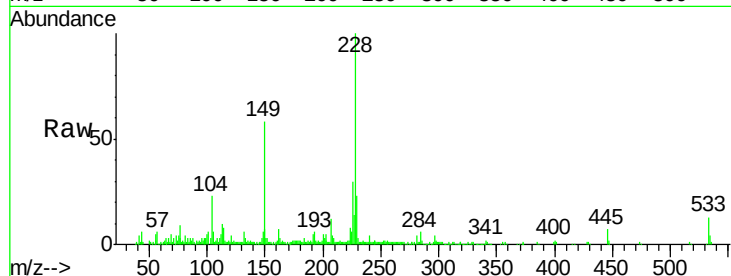
Acq: 22 May 2016 09:04

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BNA_M

ClientSampleId :

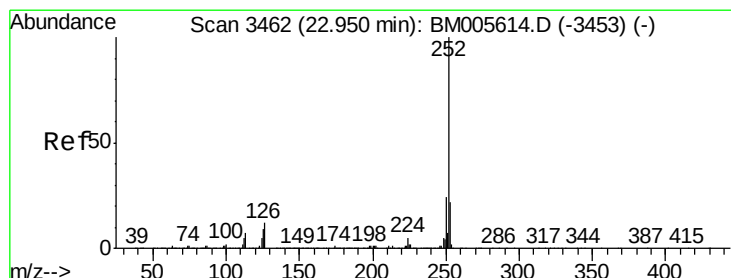
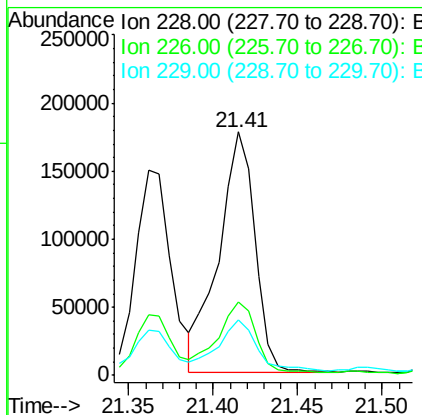
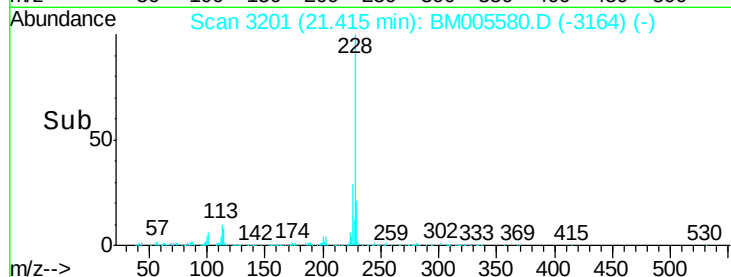
D9WT2



Tgt Ion:	228	Resp:	261628
Ion Ratio	Lower	Upper	
228	100		
226	30.4	23.7	35.5
229	22.8	15.5	23.3

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#85

Benzo(b)fluoranthene

Concen: 9.83 ng/ul

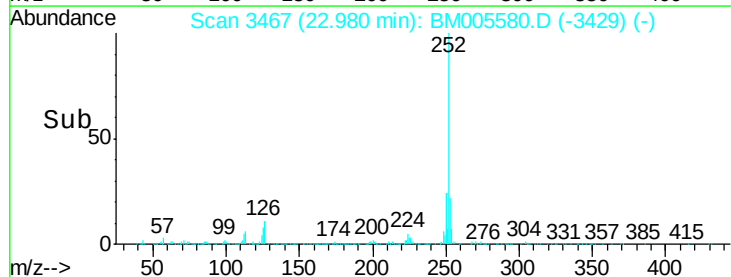
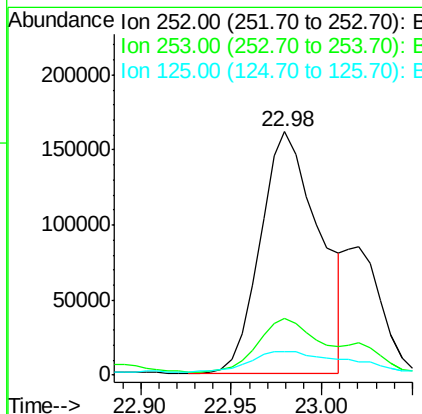
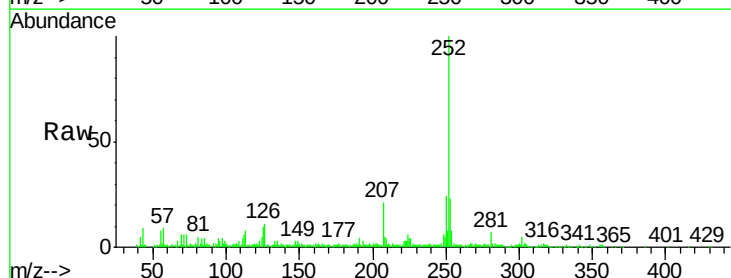
RT: 22.98 min Scan# 3467

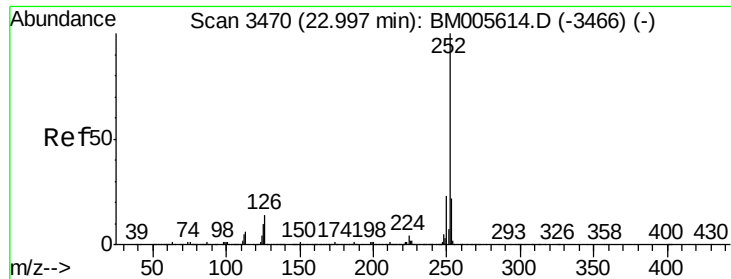
Delta R.T. 0.02 min

Lab File: BM005580.D

Acq: 22 May 2016 09:04

Tgt Ion:	252	Resp:	363895
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.3	25.9
125	9.8	7.0	10.4





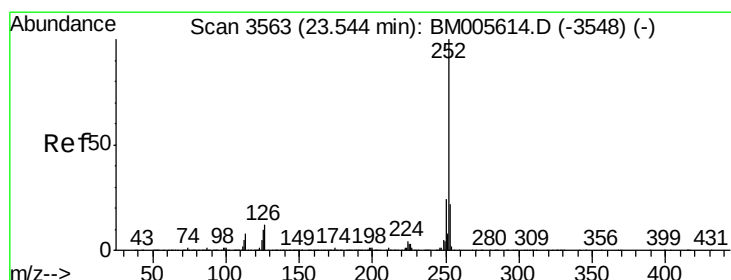
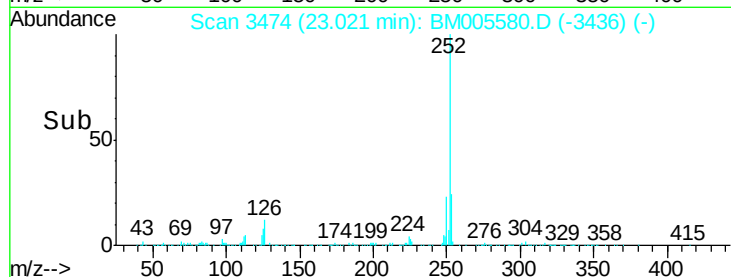
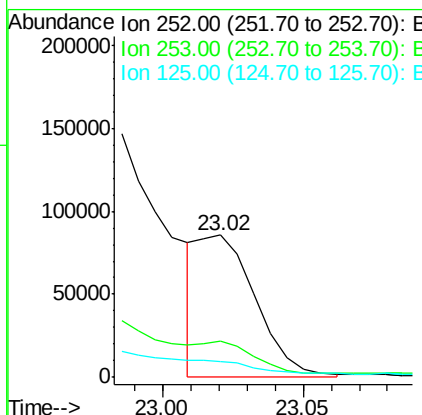
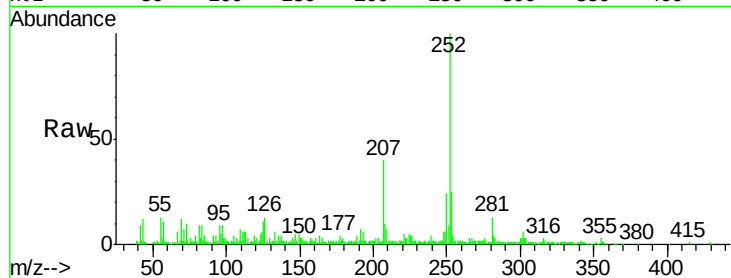
#86
Benzo(k)fluoranthene
Concen: 3.43 ng/ul m
RT: 23.02 min Scan# 3474
Delta R.T. 0.02 min
Lab File: BM005580.D
Acq: 22 May 2016 09:04

Instrument :
BNA_M
ClientSampleId :
D9WT2

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	120249		
253	25.4	17.5	26.3	
125	10.7	7.0	10.6#	

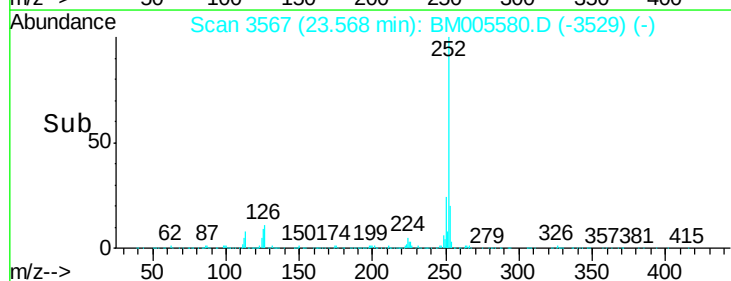
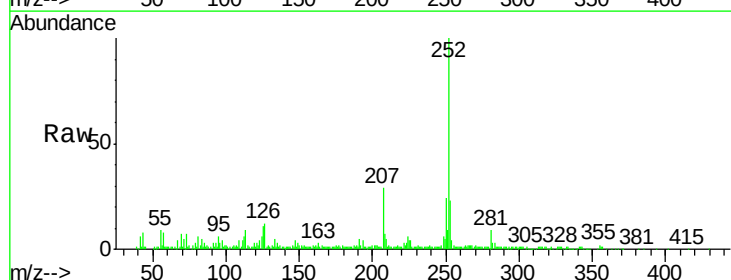
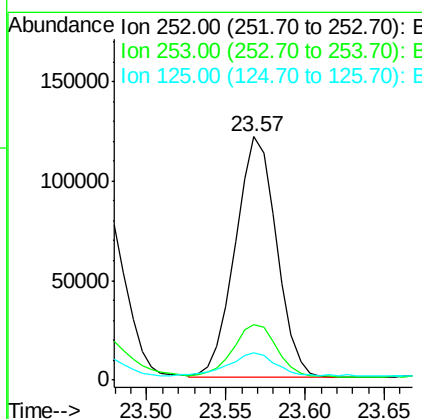
Manual Integrations
APPROVED

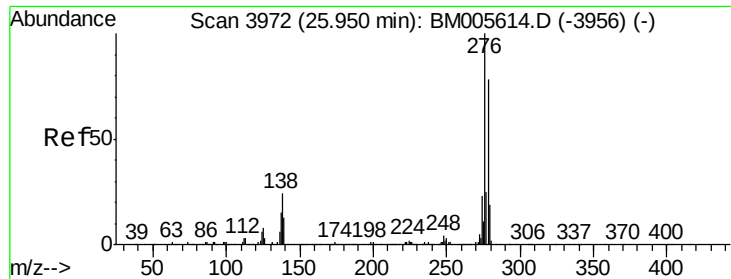
umangi
5/23/2016 8:33:04 PM



#88
Benzo(a)pyrene
Concen: 6.12 ng/ul
RT: 23.57 min Scan# 3567
Delta R.T. 0.02 min
Lab File: BM005580.D
Acq: 22 May 2016 09:04

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	219708		
253	23.0	17.6	26.4	
125	11.1	7.6	11.4	





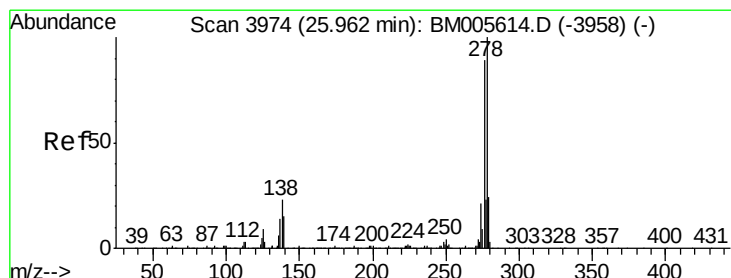
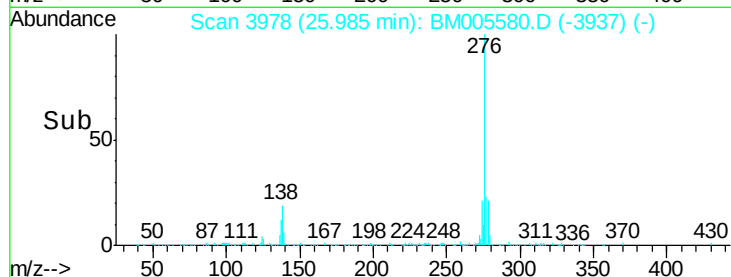
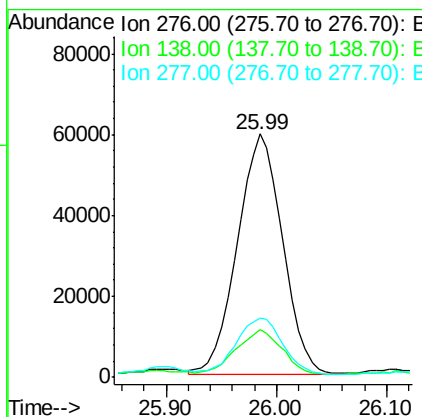
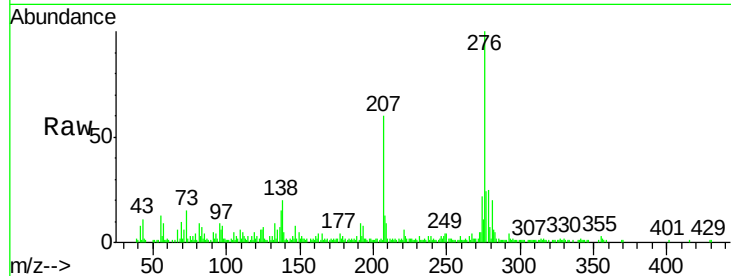
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 3.98 ng/ul
 RT: 25.99 min Scan# 3978
 Delta R.T. 0.04 min
 Lab File: BM005580.D
 Acq: 22 May 2016 09:04

Instrument :
 BNA_M
 ClientSampleId :
 D9WT2

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	169636		
138	19.6	16.9	25.3	
277	24.4	20.2	30.4	

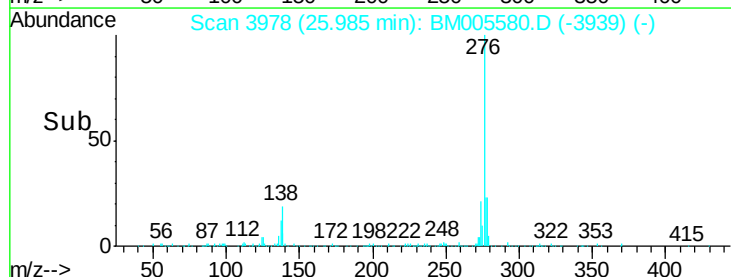
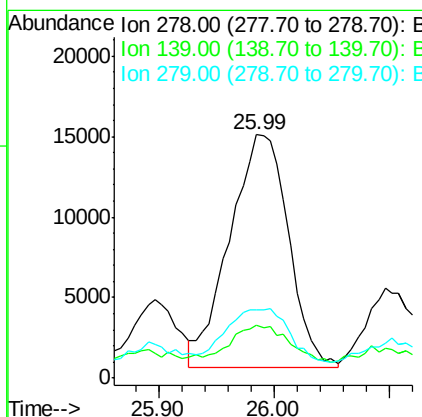
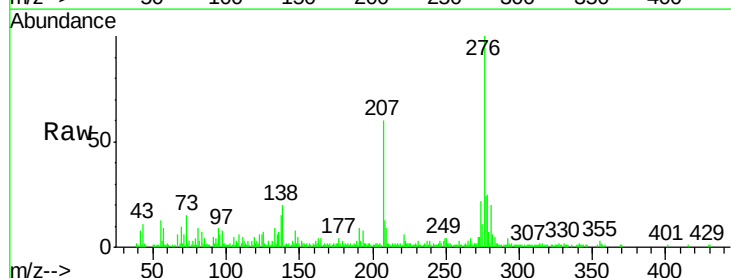
Manual Integrations
 APPROVED

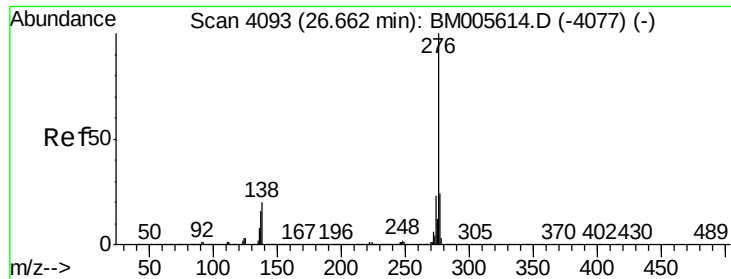
umangi
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#90
 Dibenzo(a,h)anthracene
 Concen: 1.44 ng/ul
 RT: 25.99 min Scan# 3978
 Delta R.T. 0.03 min
 Lab File: BM005580.D
 Acq: 22 May 2016 09:04

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	51251		
139	21.7	11.8	17.6#	
279	28.2	19.4	29.2	





#91

Benzo(g,h,i)perylene

Concen: 4.15 ng/ul

RT: 26.70 min Scan# 4099

Delta R.T. 0.04 min

Lab File: BM005580.D

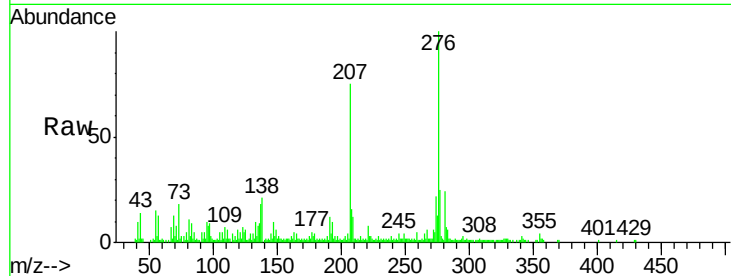
Acq: 22 May 2016 09:04

Instrument :

BNA_M

ClientSampleId :

D9WT2



Tgt	Ion	Ratio	Lower	Upper
276	100			
138	20.5	15.0	22.6	
277	24.8	18.6	28.0	

Manual Integrations
APPROVED

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