

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
 Data File : BM005620.D
 Acq On : 23 May 2016 21:46
 Operator : UM/SJ
 Sample : H3087-12
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGK5

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Quant Time: May 24 07:17:40 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 24 06:55:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	150484	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	701028	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	389532	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.18	188	832594	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	892874	20.00	ng/ul	0.00
83) Perylene-d12	23.64	264	951790	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	8501	2.47	ng/uL	0.00
5) Phenol-d5	6.98	99	184117	14.93	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	110599	15.47	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	153579	14.92	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	146644	14.51	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	74645	13.93	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	81069	13.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	146919	13.22	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	139275	12.51	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	448162	14.09	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	564700	14.21	ng/ul	0.00
51) 4-Nitrophenol-d4	14.65	143	62765	10.44	ng/ul	0.00
57) Fluorene-d10	15.43	176	395703	14.30	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	36518	7.63	ng/ul	0.00
70) Anthracene-d10	17.28	188	596598	15.04	ng/ul	0.00
76) Pyrene-d10	19.57	212	637952	15.78	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.49	264	615913	13.86	ng/ul	0.00

Target Compounds

						Qvalue
14) Acetophenone	8.62	105	43201	2.84	ng/ul	97
44) Dimethylphthalate	13.89	163	90515	2.88	ng/ul	100
47) Acenaphthylene	14.16	152	166934	4.13	ng/ul	98
49) Acenaphthene	14.50	153	36667	1.38	ng/ul	99
58) Fluorene	15.49	166	146208	4.80	ng/ul	100
69) Phenanthrene	17.22	178	1588210	34.13	ng/ul	99
71) Anthracene	17.32	178	393888	8.31	ng/ul	100
74) Fluoranthene	19.24	202	1843375	35.19	ng/ul	98
77) Pyrene	19.60	202	2149621	41.88	ng/ul	99
80) Benzo(a)anthracene	21.34	228	789666	15.05	ng/ul	93
82) Chrysene	21.40	228	842553	16.87	ng/ul	96
85) Benzo(b)fluoranthene	22.95	252	782542	13.94	ng/ul#	97
86) Benzo(k)fluoranthene	22.99	252	270556m	5.09	ng/ul	
88) Benzo(a)pyrene	23.54	252	745151	13.68	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.94	276	388187	6.00	ng/ul	99
90) Dibenzo(a,h)anthracene	25.94	278	95482	1.77	ng/ul#	88
91) Benzo(g,h,i)perylene	26.64	276	337020	6.20	ng/ul	96

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

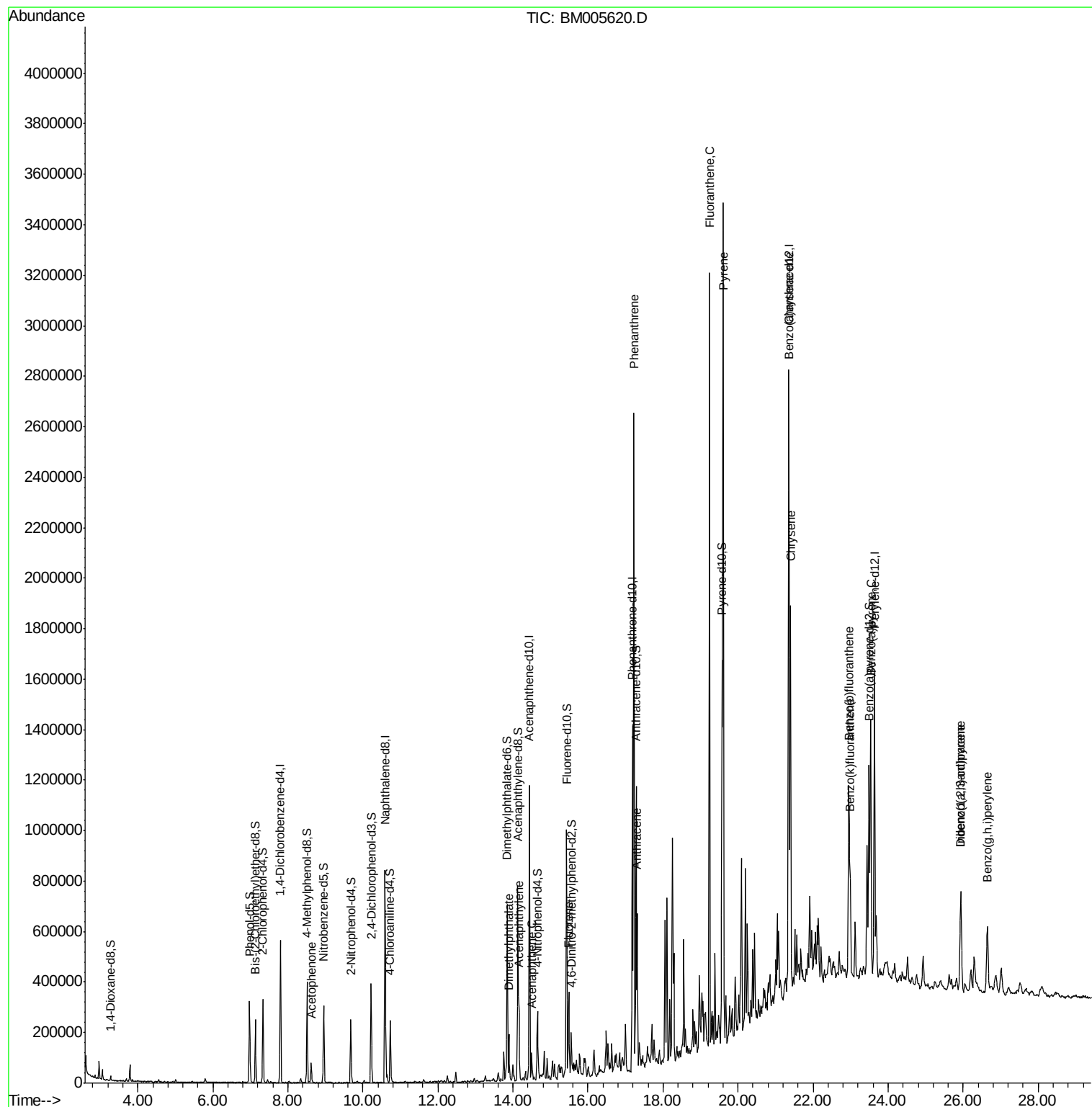
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005620.D
Acq On : 23 May 2016 21:46
Operator : UM/SJ
Sample : H3087-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

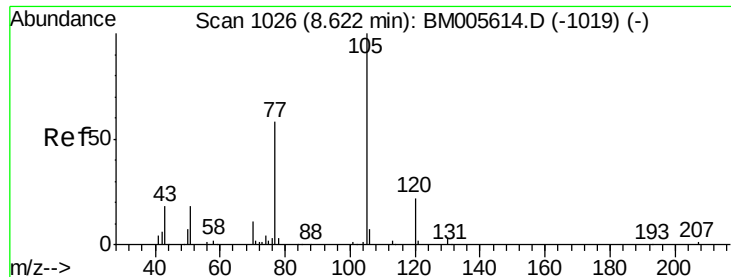
Instrument :
BNA_M
ClientSampleId :
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Quant Time: May 24 07:17:40 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 24 06:55:29 2016
Response via : Initial Calibration





#14

Acetophenone

Concen: 2.84 ng/ul

RT: 8.62 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BM005620.D

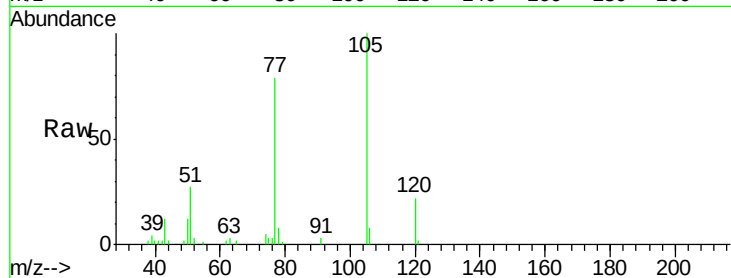
Acq: 23 May 2016 21:46

Instrument :

BNA_M

ClientSampleId :

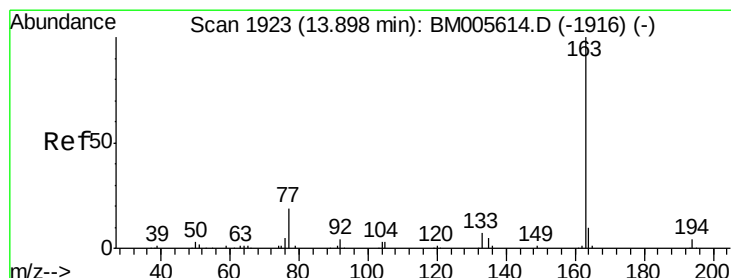
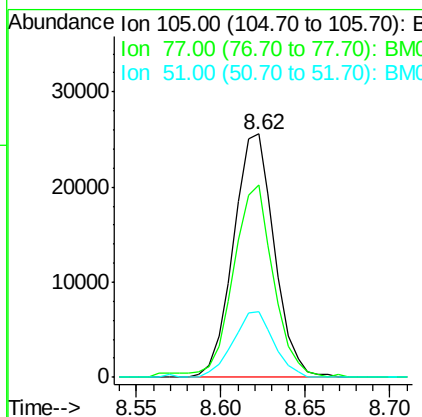
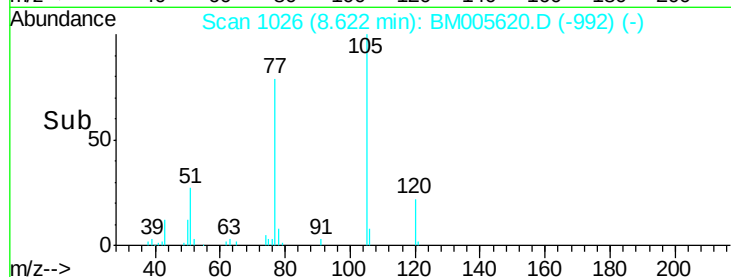
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Tgt Ion:	105	Resp:	43201
Ion Ratio	Lower	Upper	
105	100		
77	79.0	60.8	91.2
51	27.0	22.2	33.2

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#44

Dimethylphthalate

Concen: 2.88 ng/ul

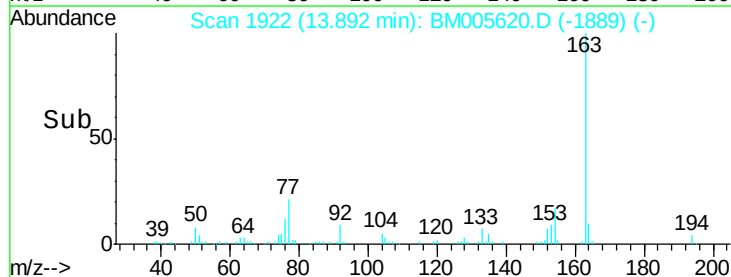
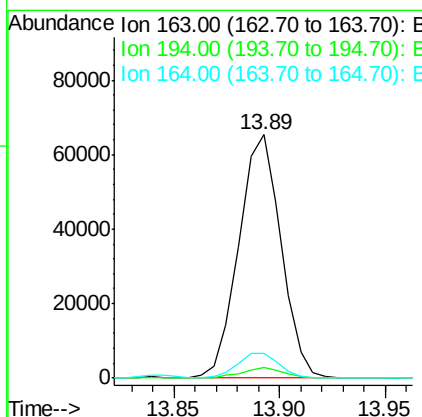
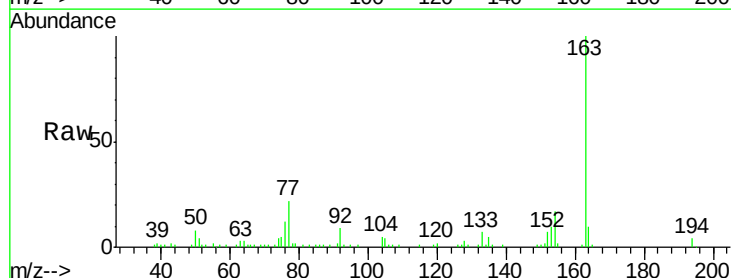
RT: 13.89 min Scan# 1922

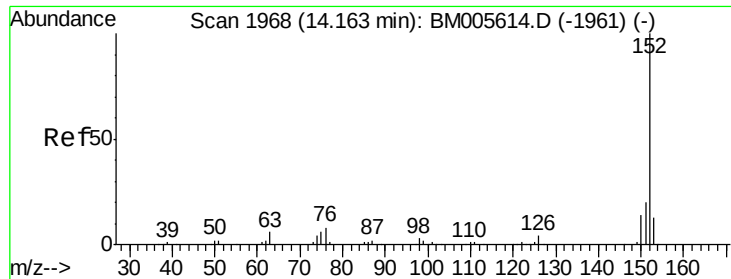
Delta R.T. -0.01 min

Lab File: BM005620.D

Acq: 23 May 2016 21:46

Tgt Ion:	163	Resp:	90515
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.4	5.0
164	10.1	8.0	12.0





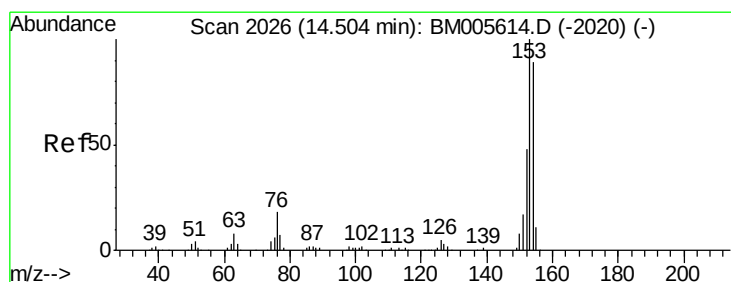
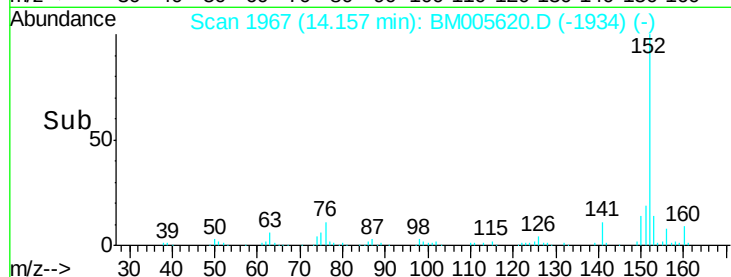
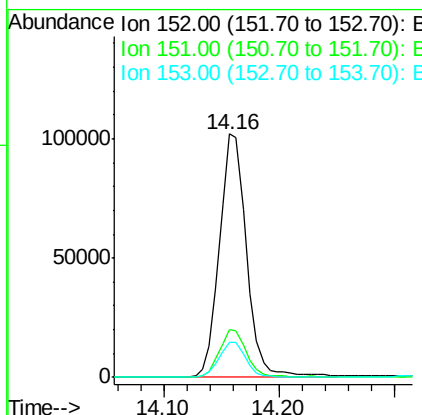
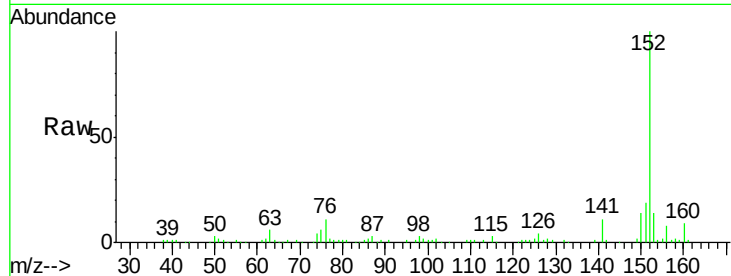
#47
Acenaphthylene
Concen: 4.13 ng/ul
RT: 14.16 min Scan# 1967
Delta R.T. -0.01 min
Lab File: BM005620.D
Acq: 23 May 2016 21:46

Instrument :
BNA_M
ClientSampleId :
JHKG5

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	166934		
151	19.4	15.7	23.5	
153	14.3	10.5	15.7	

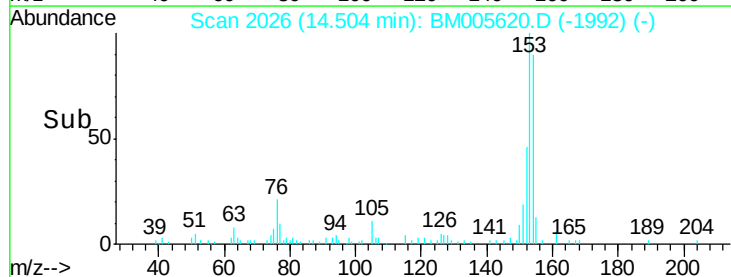
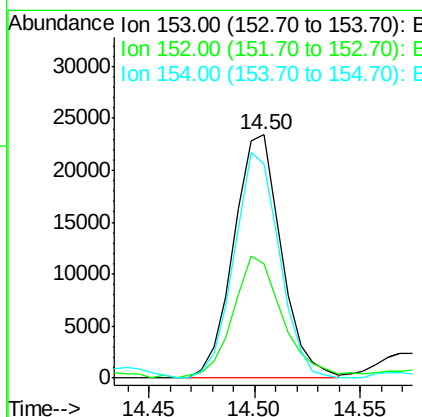
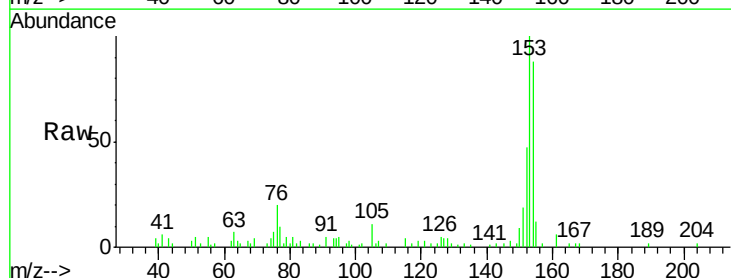
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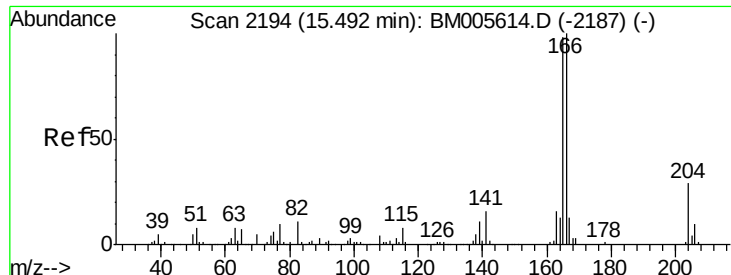
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#49
Acenaphthene
Concen: 1.38 ng/ul
RT: 14.50 min Scan# 2026
Delta R.T. 0.00 min
Lab File: BM005620.D
Acq: 23 May 2016 21:46

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	36667		
152	46.8	37.8	56.6	
154	88.0	71.1	106.7	





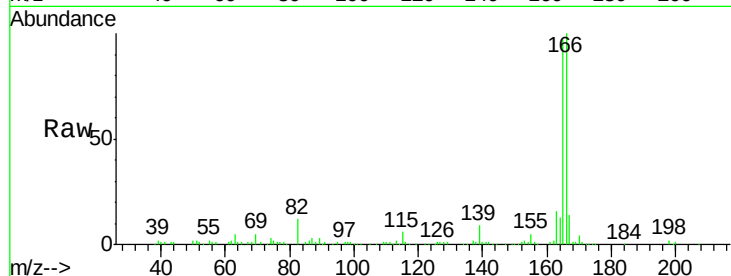
#58
Fluorene
Concen: 4.80 ng/ul
RT: 15.49 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BM005620.D
Acq: 23 May 2016 21:46

Instrument :
BNA_M
ClientSampleId :
JHGK5

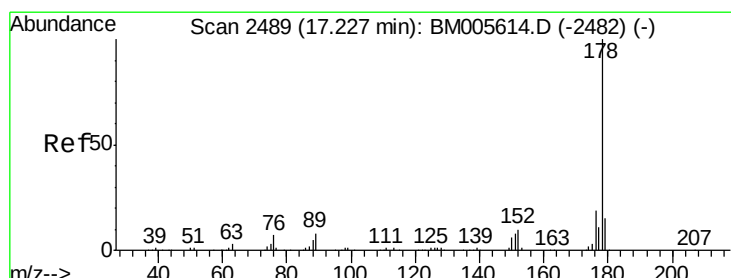
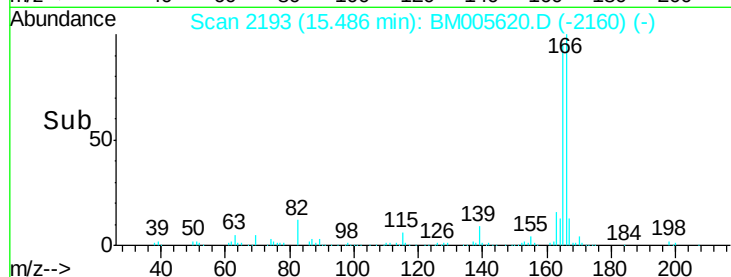
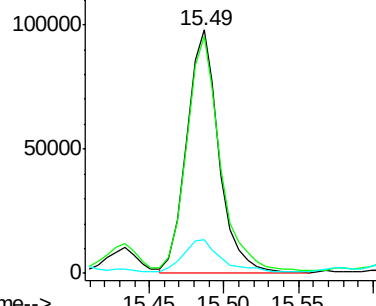
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	146208		
165	97.3	78.0	117.0	
167	13.7	10.5	15.7	

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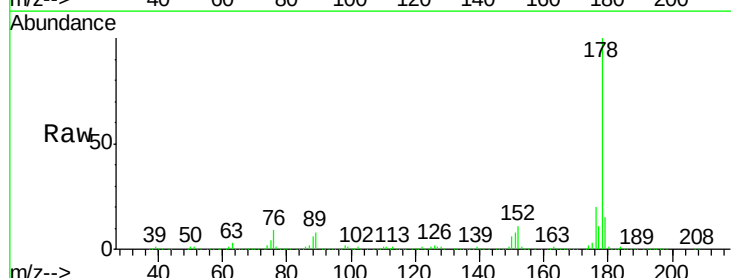


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

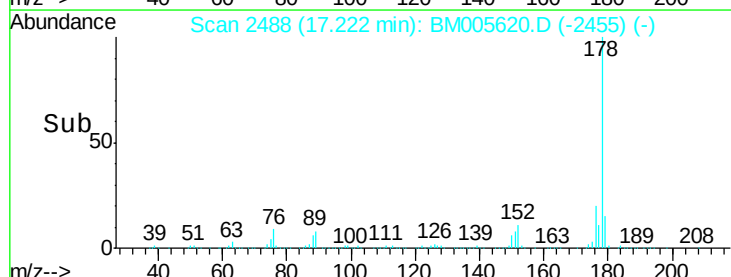
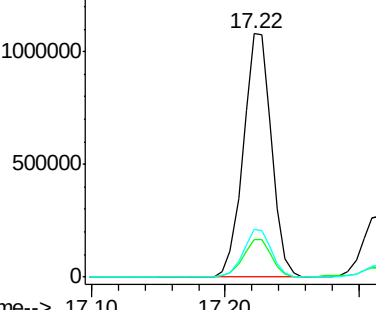


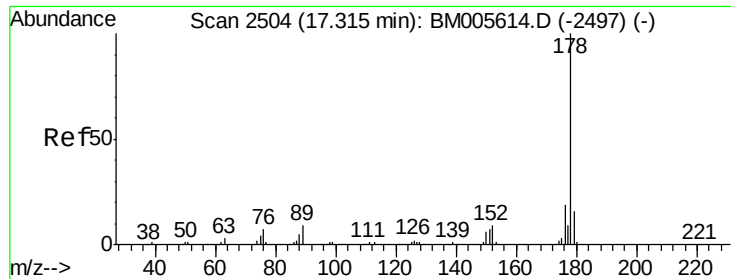
#69
Phenanthrene
Concen: 34.13 ng/ul
RT: 17.22 min Scan# 2488
Delta R.T. -0.01 min
Lab File: BM005620.D
Acq: 23 May 2016 21:46

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1588210		
179	15.5	12.2	18.2	
176	19.5	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





#71

Anthracene

Concen: 8.31 ng/ul

RT: 17.32 min Scan# 2504

Delta R.T. 0.00 min

Lab File: BM005620.D

Acq: 23 May 2016 21:46

Instrument :

BNA_M

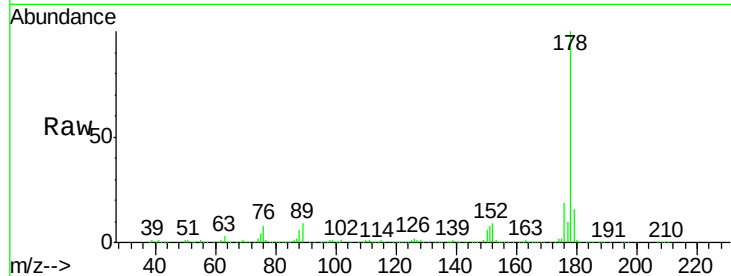
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JHGK5

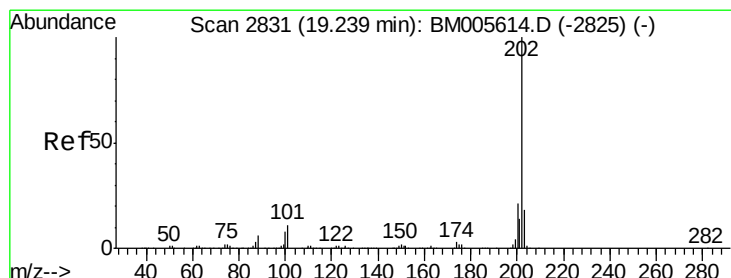
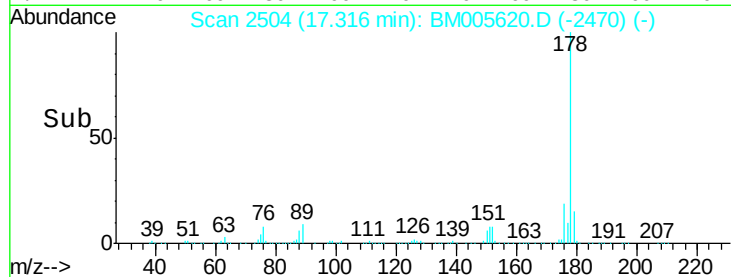
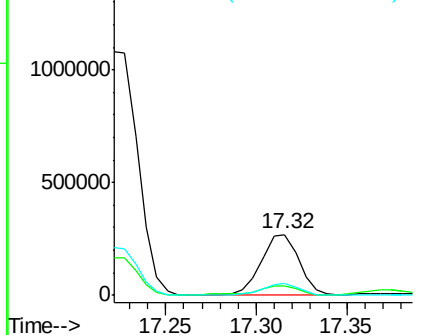
Tgt Ion:	178	Resp:	393888
Ion Ratio	Lower	Upper	
178	100		
179	15.7	12.6	18.8
176	18.8	15.0	22.4

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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



#74

Fluoranthene

Concen: 35.19 ng/ul

RT: 19.24 min Scan# 2831

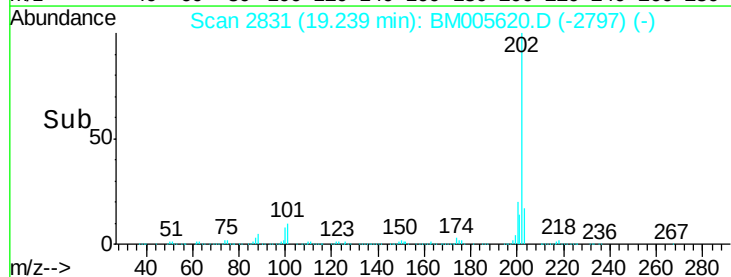
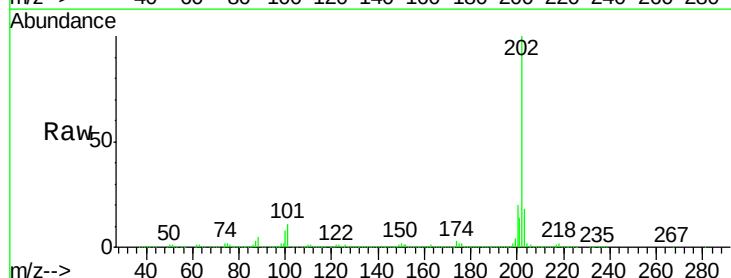
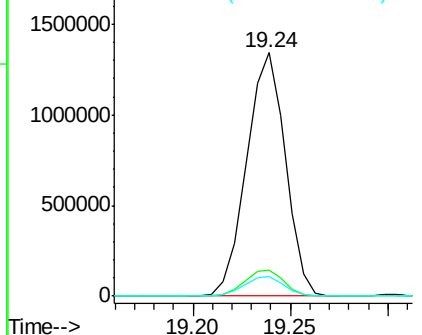
Delta R.T. 0.00 min

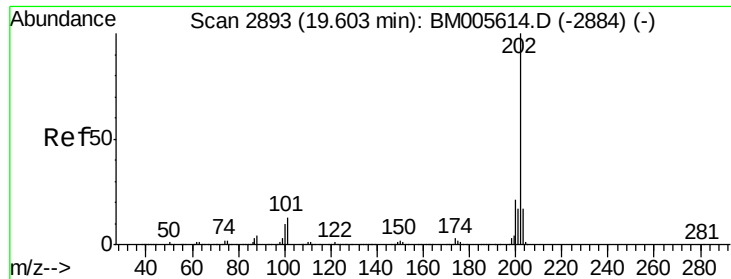
Lab File: BM005620.D

Acq: 23 May 2016 21:46

Tgt Ion:	202	Resp:	1843375
Ion Ratio	Lower	Upper	
202	100		
101	10.7	7.9	11.9
100	8.0	5.6	8.4

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





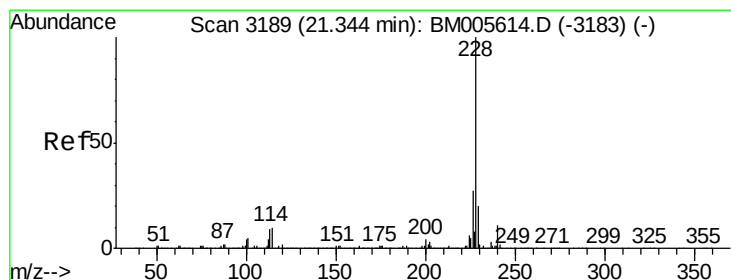
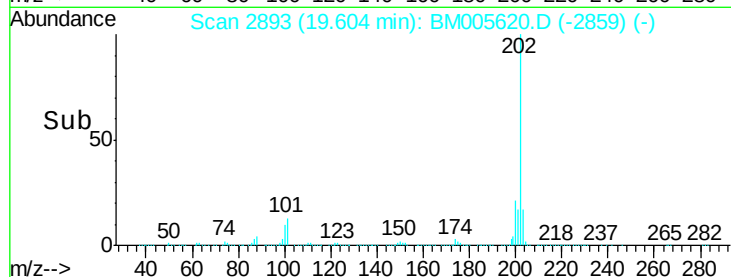
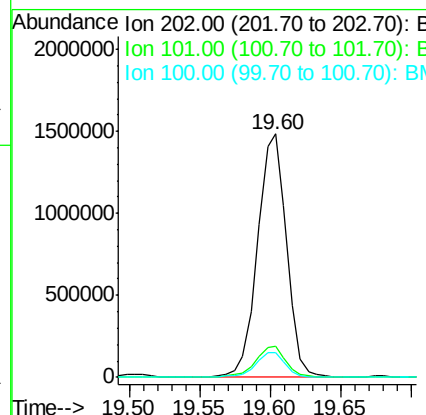
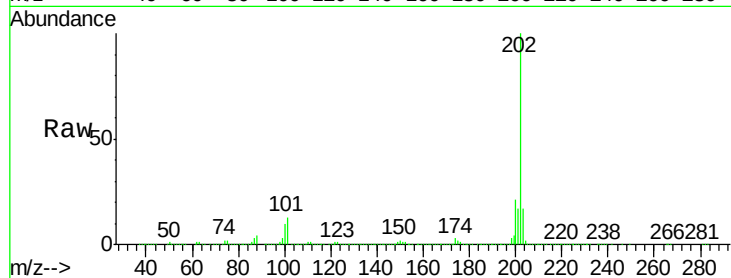
#77
 Pyrene
 Concen: 41.88 ng/ul
 RT: 19.60 min Scan# 2893
 Delta R.T. 0.00 min
 Lab File: BM005620.D
 Acq: 23 May 2016 21:46

Instrument :
 BNA_M
 ClientSampleId :
 JHGK5

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2149621		
101	12.5	9.6	14.4	
100	10.1	7.8	11.6	

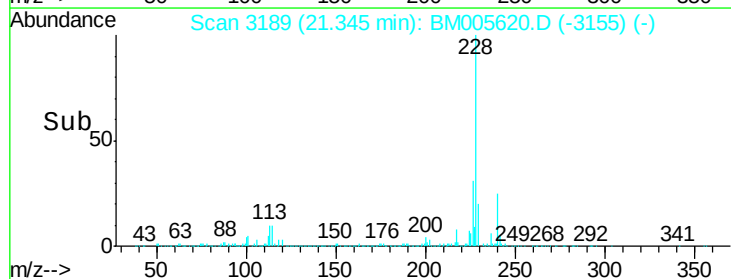
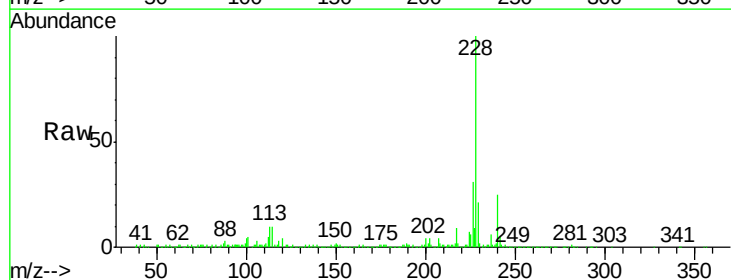
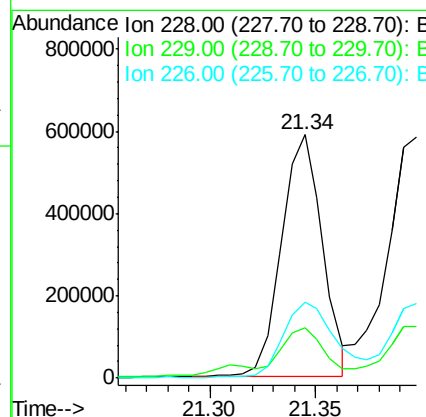
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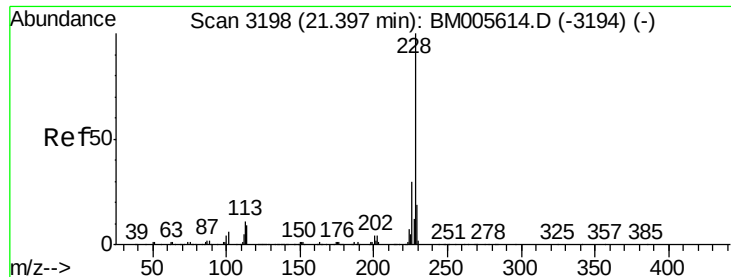
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#80
 Benzo(a)anthracene
 Concen: 15.05 ng/ul
 RT: 21.34 min Scan# 3189
 Delta R.T. 0.00 min
 Lab File: BM005620.D
 Acq: 23 May 2016 21:46

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	789666		
229	20.9	15.4	23.2	
226	31.2	21.0	31.4	





#82

Chrysene

Concen: 16.87 ng/ul

RT: 21.40 min Scan# 3198

Delta R.T. 0.00 min

Lab File: BM005620.D

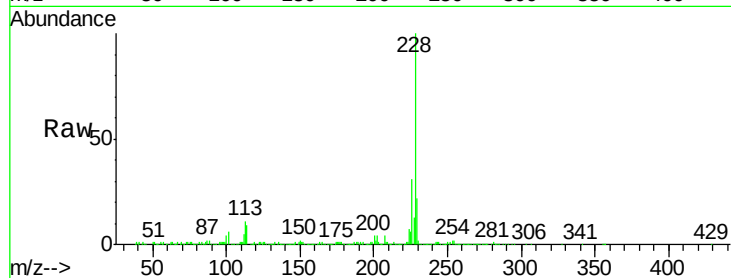
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Instrument :

BNA_M

ClientSampleId :

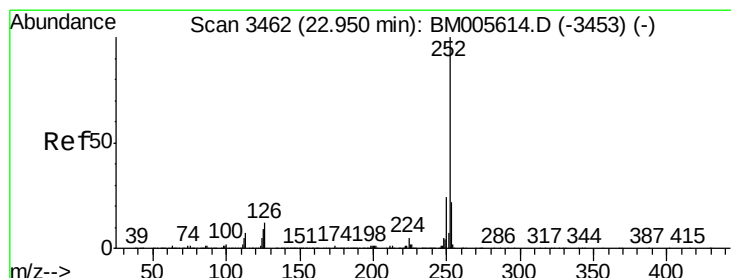
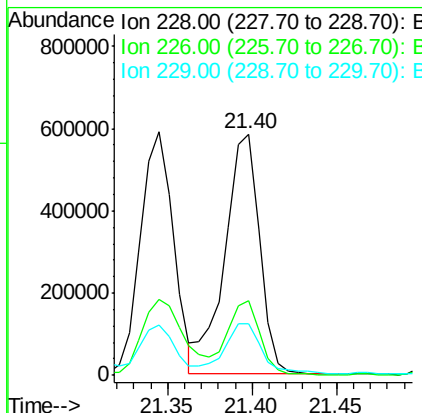
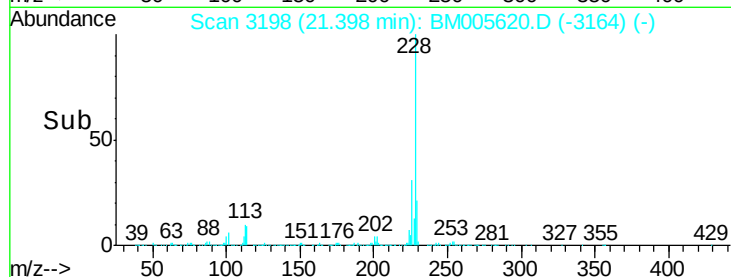
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Tgt Ion:	228	Resp:	842553
Ion Ratio	Lower	Upper	
228	100		
226	31.0	23.7	35.5
229	21.6	15.5	23.3

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#85

Benzo(b)fluoranthene

Concen: 13.94 ng/ul

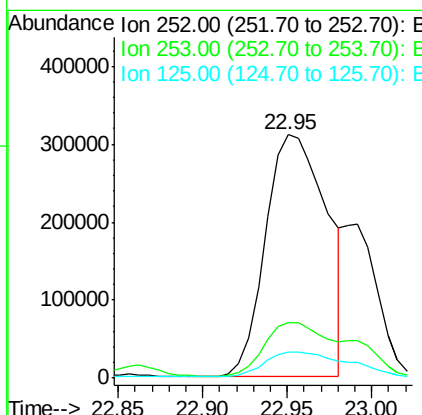
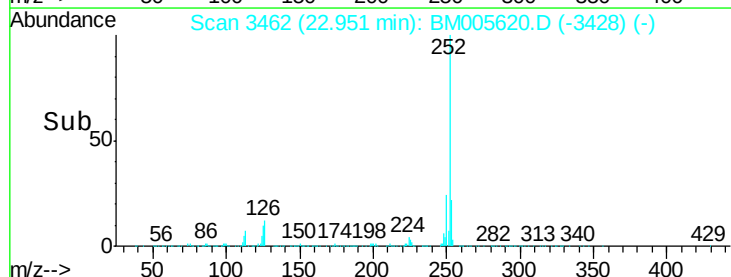
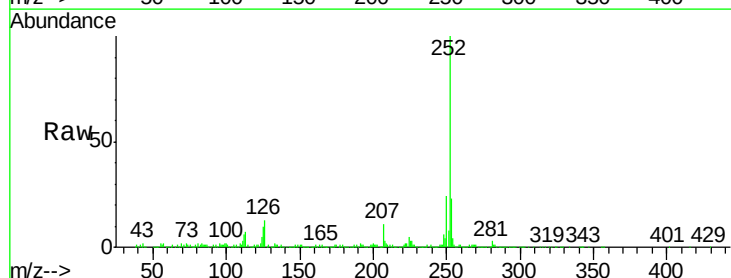
RT: 22.95 min Scan# 3462

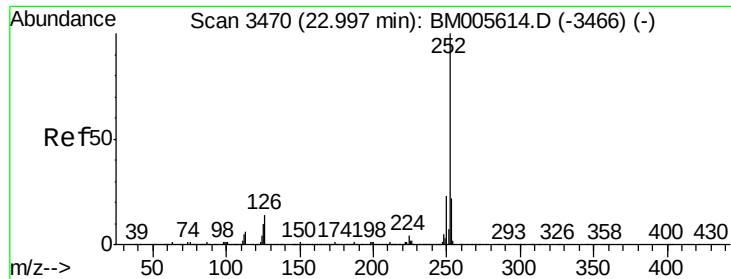
Delta R.T. 0.00 min

Lab File: BM005620.D

Acq: 23 May 2016 21:46

Tgt Ion:	252	Resp:	782542
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.3	25.9
125	10.5	7.0	10.4#





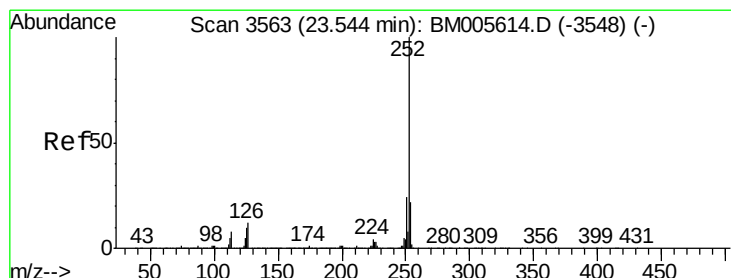
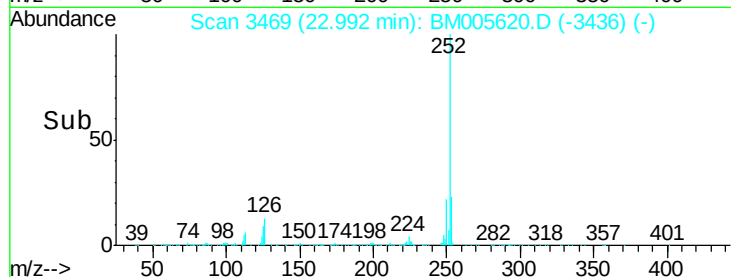
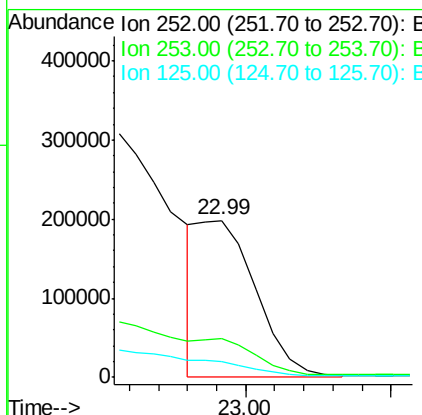
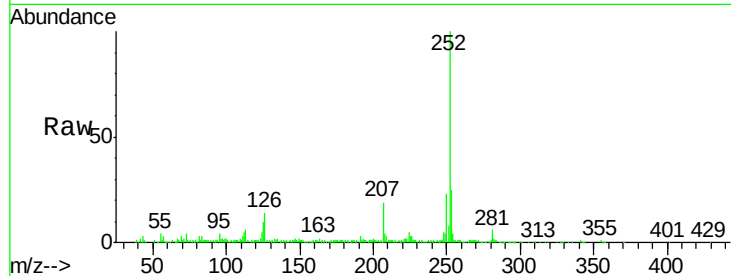
#86
Benzo(k)fluoranthene
Concen: 5.09 ng/ul m
RT: 22.99 min Scan# 3469
Delta R.T. -0.01 min
Lab File: BM005620.D
Acq: 23 May 2016 21:46

Instrument :
BNA_M
ClientSampleId :
JHKG5

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.6	17.5	26.3
125	10.3	7.0	10.6

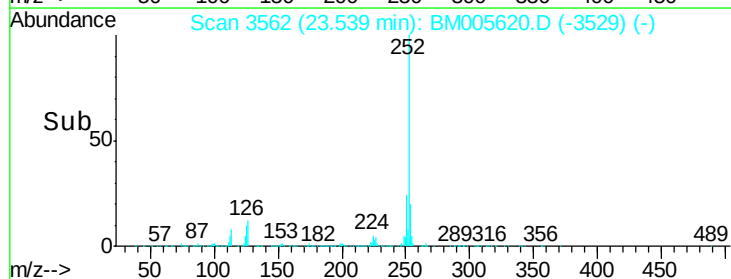
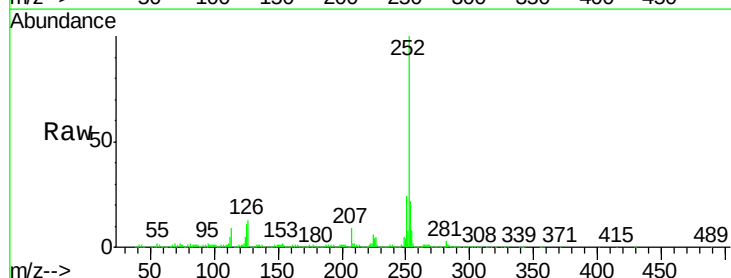
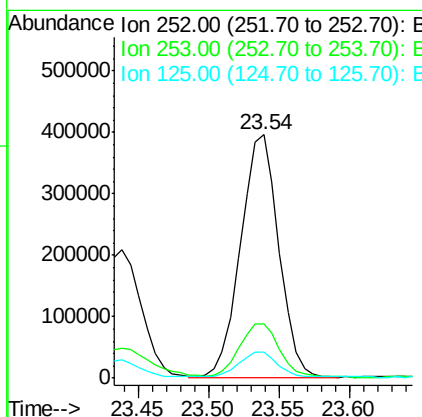
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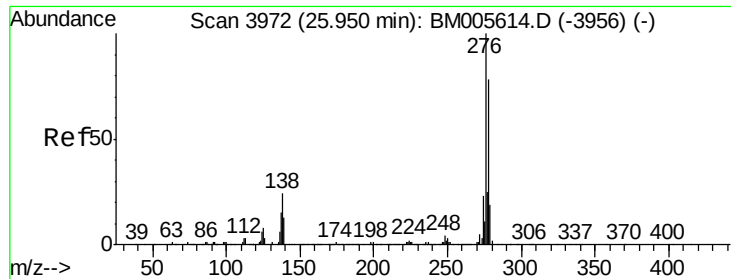
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#88
Benzo(a)pyrene
Concen: 13.68 ng/ul
RT: 23.54 min Scan# 3562
Delta R.T. -0.01 min
Lab File: BM005620.D
Acq: 23 May 2016 21:46

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.1	17.6	26.4
125	10.6	7.6	11.4





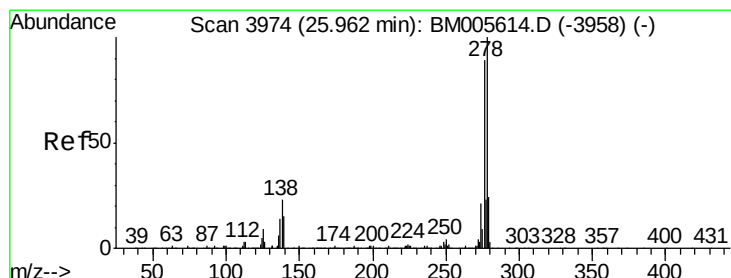
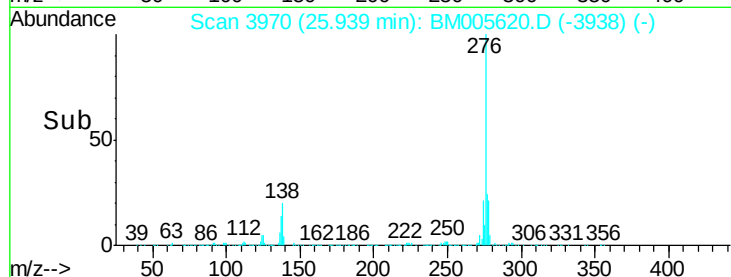
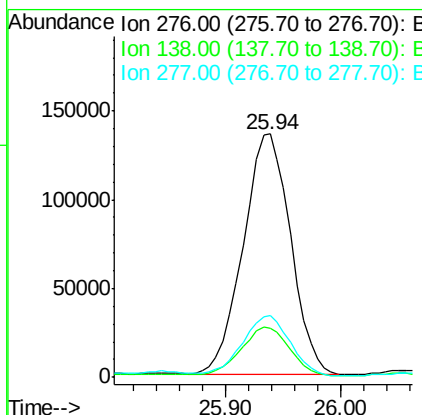
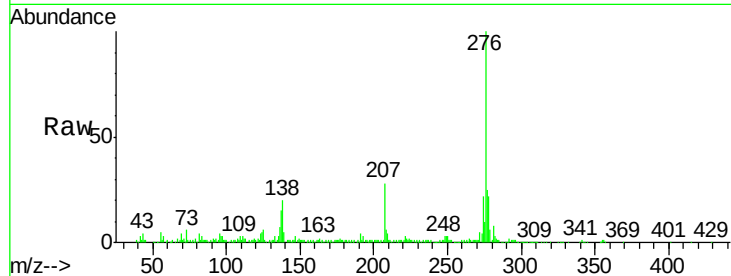
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 6.00 ng/ul
 RT: 25.94 min Scan# 3970
 Delta R.T. -0.01 min
 Lab File: BM005620.D
 Acq: 23 May 2016 21:46

Instrument :
 BNA_M
 ClientSampleId :
 JHGK5

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	20.4	16.9	25.3
277	25.4	20.2	30.4

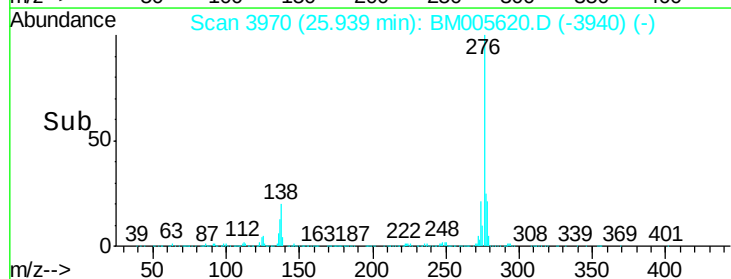
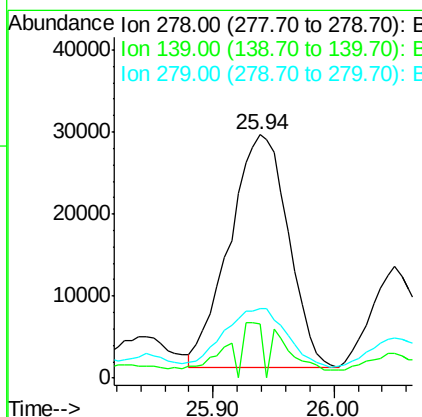
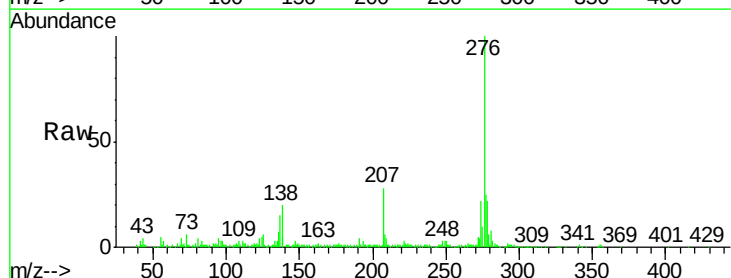
Manual Integrations
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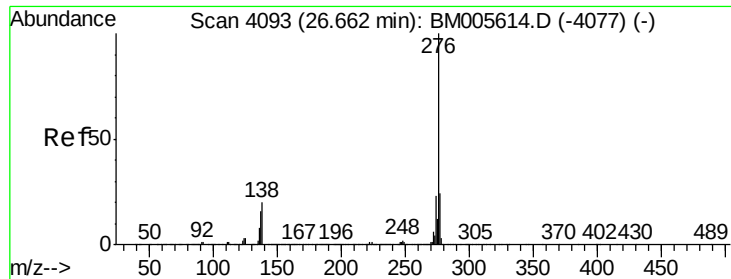
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#90
 Dibenzo(a,h)anthracene
 Concen: 1.77 ng/ul
 RT: 25.94 min Scan# 3970
 Delta R.T. -0.02 min
 Lab File: BM005620.D
 Acq: 23 May 2016 21:46

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	22.1	11.8	17.6#
279	28.6	19.4	29.2





#91
 Benzo(g,h,i)perylene
 Concen: 6.20 ng/ul
 RT: 26.64 min Scan# 4090
 Delta R.T. -0.02 min
 Lab File: BM005620.D
 Acq: 23 May 2016 21:46

Instrument :
 BNA_M
 ClientSampleId :
 JHKG5

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.0	15.0	22.6
277	24.5	18.6	28.0

Manual Integrations
 APPROVED

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