

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
 Data File : BM005601.D
 Acq On : 22 May 2016 23:53
 Operator : UM/SJ
 Sample : H3124-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGF9

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Quant Time: May 23 14:23:49 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	7.82	152	141046	20.00	ng/ul	0.00
18) Naphthalene-d8	10.61	136	570044	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.46	164	292659	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.22	188	617328	20.00	ng/ul	0.03
75) Chrysene-d12	21.38	240	625317	20.00	ng/ul	0.02
83) Perylene-d12	23.68	264	602573m	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	11311	3.51	ng/uL	0.00
5) Phenol-d5	7.00	99	299650	25.92	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.15	67	192999	28.81	ng/ul	0.00
9) 2-Chlorophenol-d4	7.36	132	245894	25.49	ng/ul	0.01
13) 4-Methylphenol-d8	8.53	113	243203	25.67	ng/ul	0.01
19) Nitrobenzene-d5	8.97	128	123478	28.33	ng/ul	0.00
22) 2-Nitrophenol-d4	9.70	143	132610	27.64	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.24	165	248591	27.51	ng/ul	0.01
29) 4-Chloroaniline-d4	10.73	131	366919	40.55	ng/ul	-0.01
43) Dimethylphthalate-d6	13.87	166	631356	26.43	ng/ul	0.01
46) Acenaphthylene-d8	14.16	160	853640	28.58	ng/ul	0.02
51) 4-Nitrophenol-d4	14.67	143	150772	33.37	ng/ul	0.02
57) Fluorene-d10	15.46	176	568235	27.34	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.57	200	22797	6.42	ng/ul	0.01
70) Anthracene-d10	17.31	188	861806	29.31	ng/ul	0.02
76) Pyrene-d10	19.60	212	944108	33.34	ng/ul	0.03
87) Benzo(a)pyrene-d12	23.53	264	732578	26.04	ng/ul	0.04

Target Compounds

						Qvalue
24) 2,4-Dimethylphenol	9.83	107	41783	3.92	ng/ul	87
28) Naphthalene	10.67	128	45317m	1.58	ng/ul	
44) Dimethylphthalate	13.92	163	145489	6.16	ng/ul#	79
47) Acenaphthylene	14.19	152	196183m	6.47	ng/ul	
49) Acenaphthene	14.53	153	101325	5.06	ng/ul#	84
58) Fluorene	15.52	166	175314	7.67	ng/ul#	82
69) Phenanthrene	17.26	178	719387	20.85	ng/ul#	90
71) Anthracene	17.34	178	199873	5.68	ng/ul#	73
74) Fluoranthene	19.27	202	873634	22.50	ng/ul	99
77) Pyrene	19.63	202	1473394	40.99	ng/ul	98
80) Benzo(a)anthracene	21.37	228	414673	11.28	ng/ul#	71
81) Bis(2-ethylhexyl)phthalate	21.29	149	226683	10.59	ng/ul#	89
82) Chrysene	21.42	228	586363	16.77	ng/ul#	85
85) Benzo(b)fluoranthene	22.99	252	534127m	15.03	ng/ul	
86) Benzo(k)fluoranthene	23.03	252	190172m	5.65	ng/ul	
88) Benzo(a)pyrene	23.58	252	576594m	16.72	ng/ul	
89) Indeno(1,2,3-cd)pyrene	26.01	276	374230m	9.14	ng/ul	
90) Dibenzo(a,h)anthracene	26.01	278	94460m	2.77	ng/ul	
91) Benzo(g,h,i)perylene	26.73	276	411632m	11.96	ng/ul	

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

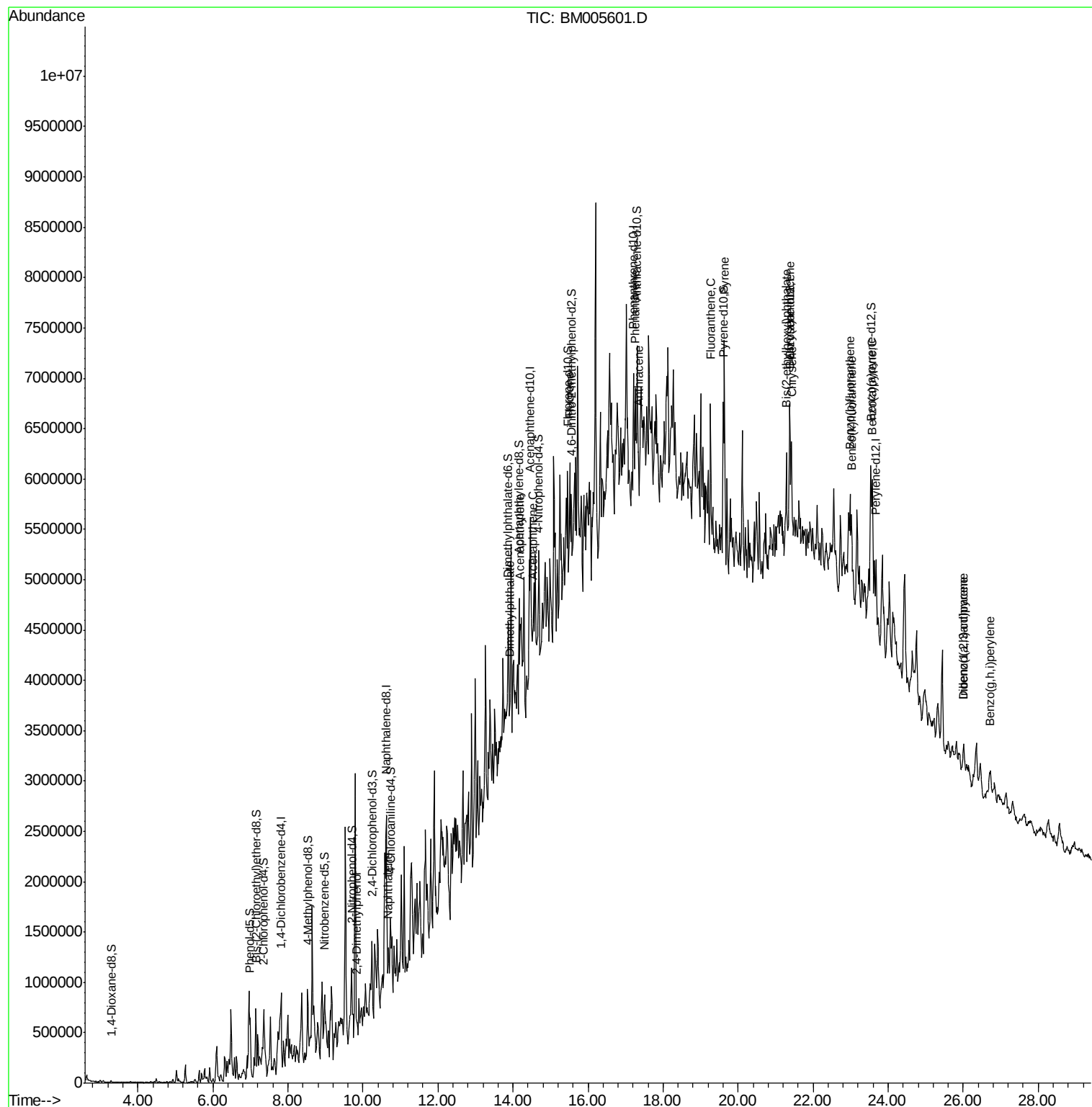
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005601.D
Acq On : 22 May 2016 23:53
Operator : UM/SJ
Sample : H3124-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

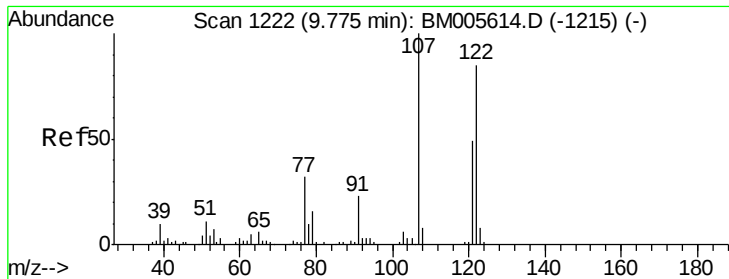
Instrument :
BNA_M
ClientSampled :
JHGF9

Quant Time: May 23 14:23:49 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
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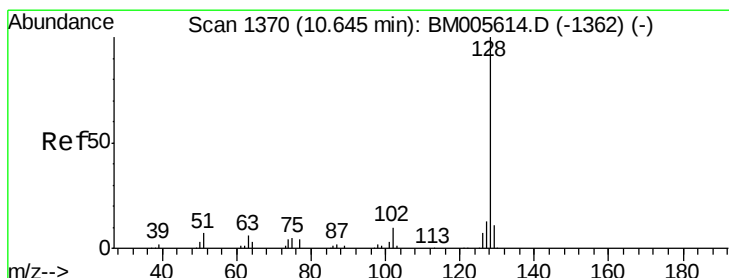
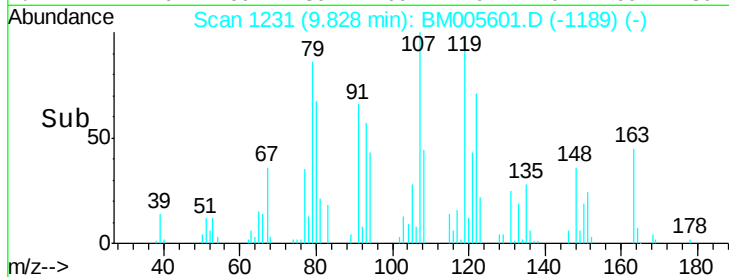
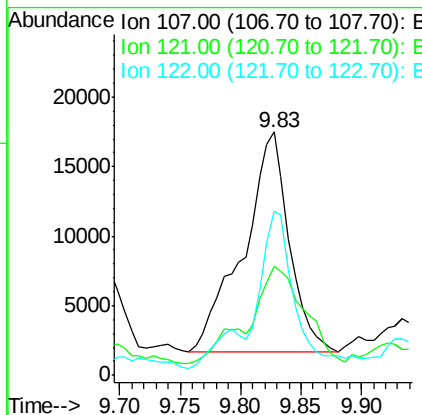
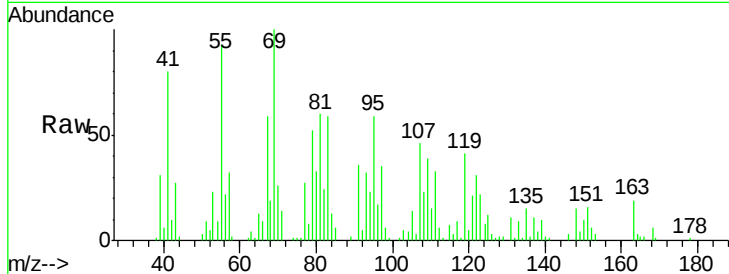
#24
2,4-Dimethylphenol
Concen: 3.92 ng/ul
RT: 9.83 min Scan# 1231
Delta R.T. 0.05 min
Lab File: BM005601.D
Acq: 22 May 2016 23:53

Instrument :
BNA_M
ClientSampled :
JHGF9

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	41783		
121	44.9	37.5	56.3	
122	67.2	66.9	100.3	

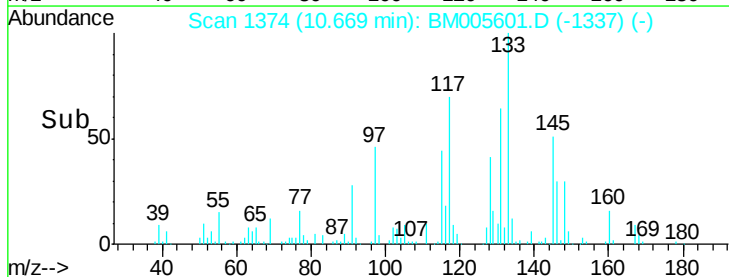
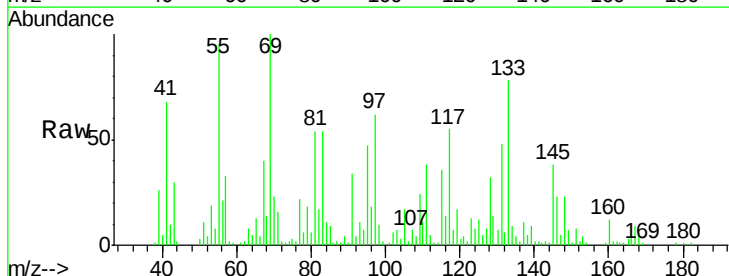
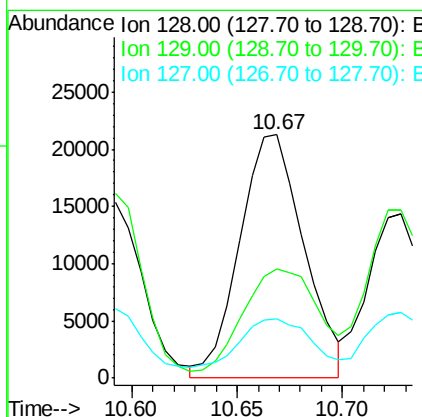
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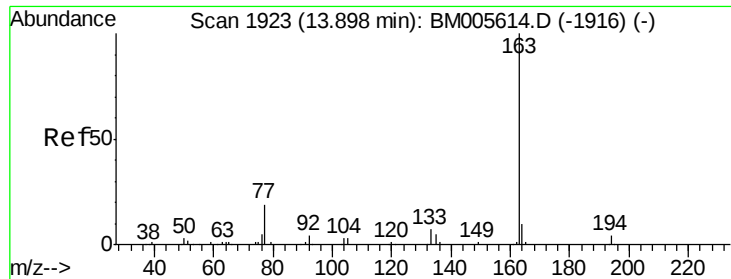
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#28
Naphthalene
Concen: 1.58 ng/ul m
RT: 10.67 min Scan# 1374
Delta R.T. 0.02 min
Lab File: BM005601.D
Acq: 22 May 2016 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	45317		
129	44.9	8.6	13.0#	
127	24.1	10.6	15.8#	





#44

Dimethylphthalate

Concen: 6.16 ng/ul

RT: 13.92 min Scan# 1926

Delta R.T. 0.01 min

Lab File: BM005601.D

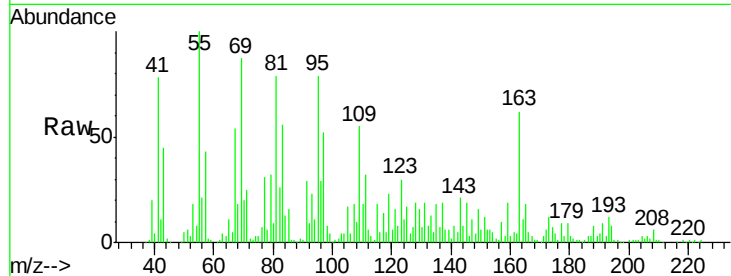
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Instrument :

BNA_M

ClientSampled :

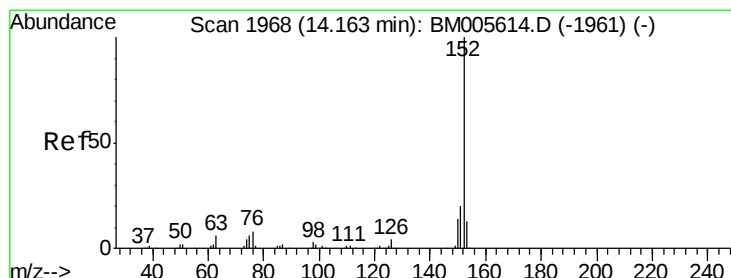
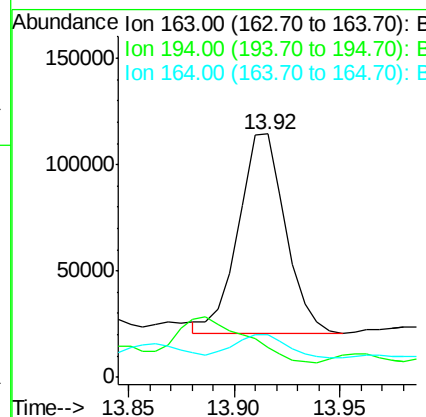
JHGF9



Tgt Ion:	163	Resp:	145489
Ion Ratio	Lower	Upper	
163	100		
194	12.3	3.4	5.0#
164	17.5	8.0	12.0#

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#47

Acenaphthylene

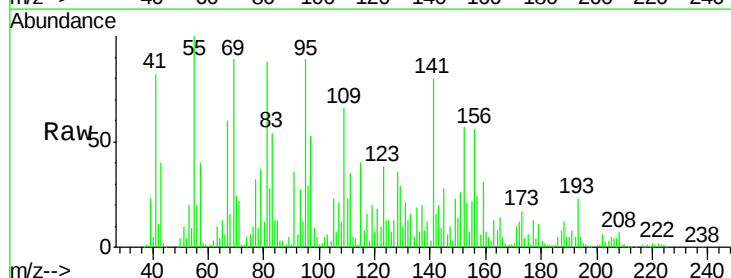
Concen: 6.47 ng/ul m

RT: 14.19 min Scan# 1972

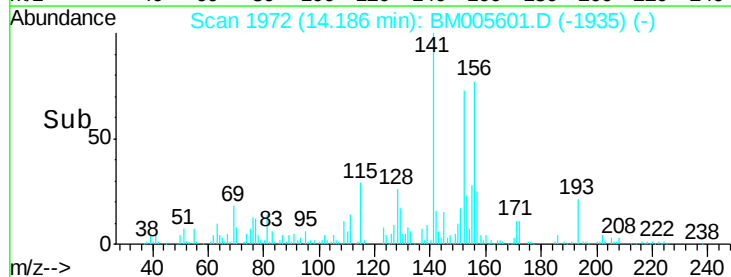
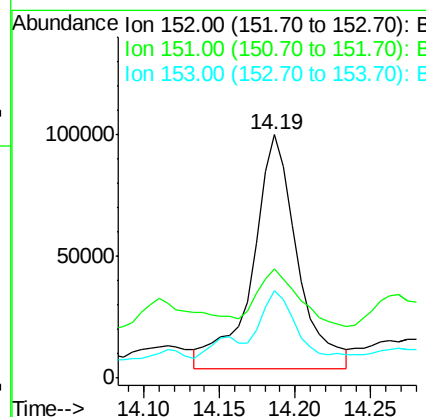
Delta R.T. 0.02 min

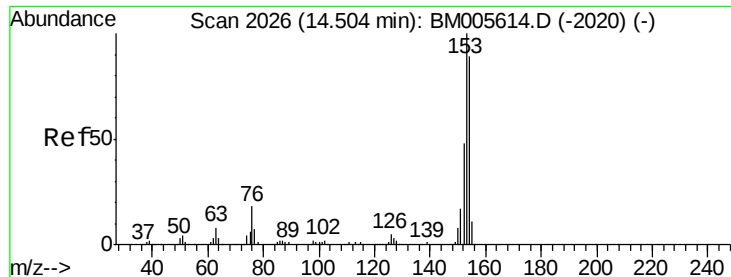
Lab File: BM005601.D

Acq: 22 May 2016 23:53



Tgt Ion:	152	Resp:	196183
Ion Ratio	Lower	Upper	
152	100		
151	45.1	15.7	23.5#
153	35.7	10.5	15.7#





#49

Acenaphthene

Concen: 5.06 ng/ul

RT: 14.53 min Scan# 2030

Delta R.T. 0.02 min

Lab File: BM005601.D

Acq: 22 May 2016 23:53

Instrument :

BNA_M

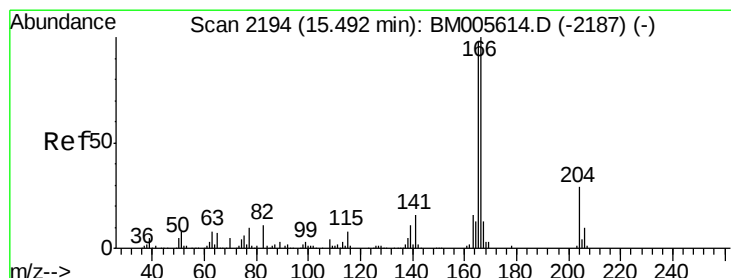
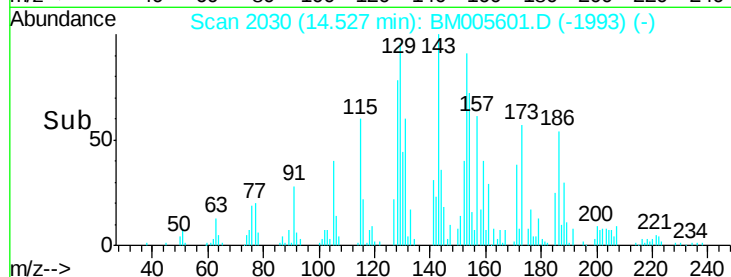
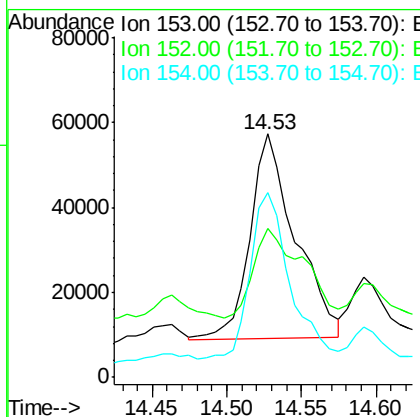
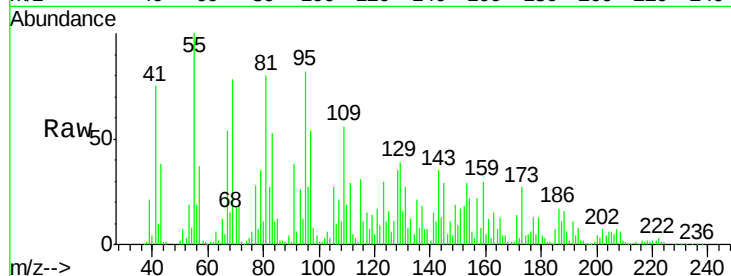
ClientSampled :

JHGF9

Tgt Ion:	153	Resp:	101325
Ion Ratio		Lower	Upper
153	100		
152	61.4	37.8	56.6#
154	75.9	71.1	106.7

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#58

Fluorene

Concen: 7.67 ng/ul

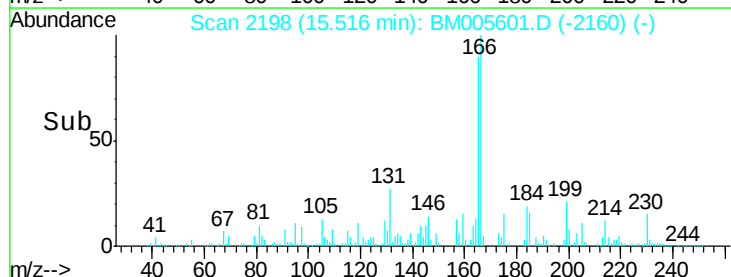
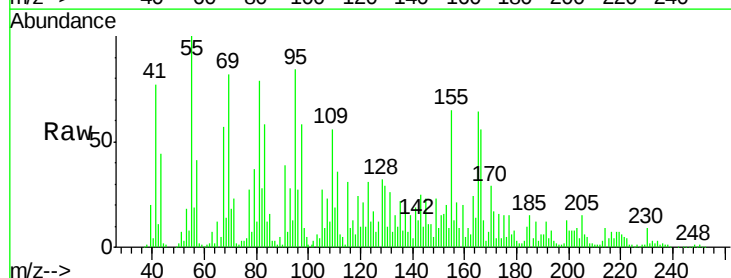
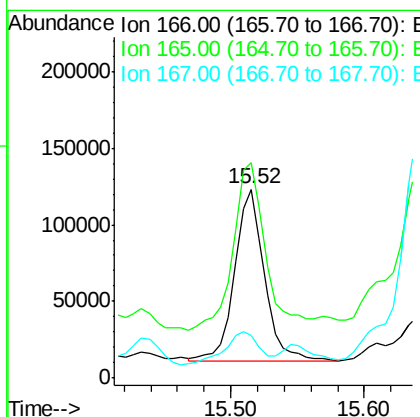
RT: 15.52 min Scan# 2198

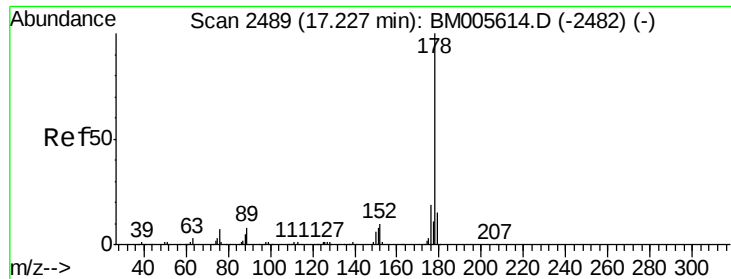
Delta R.T. 0.02 min

Lab File: BM005601.D

Acq: 22 May 2016 23:53

Tgt Ion:	166	Resp:	175314
Ion Ratio		Lower	Upper
166	100		
165	114.4	78.0	117.0
167	22.5	10.5	15.7#





#69

Phenanthrene

Concen: 20.85 ng/ul

RT: 17.26 min Scan# 2494

Delta R.T. 0.03 min

Lab File: BM005601.D

Acq: 22 May 2016 23:53

Instrument :

BNA_M

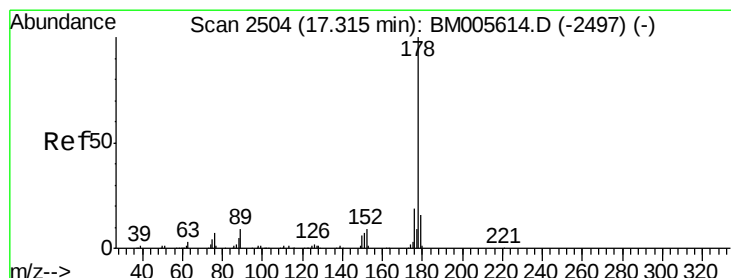
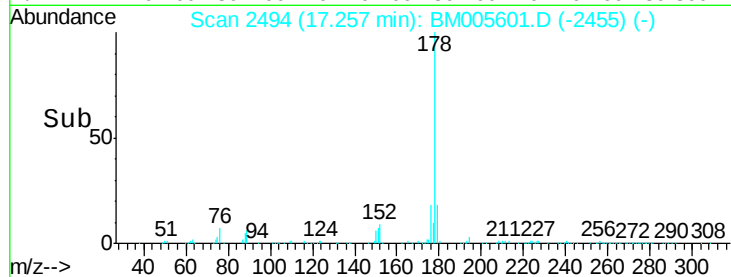
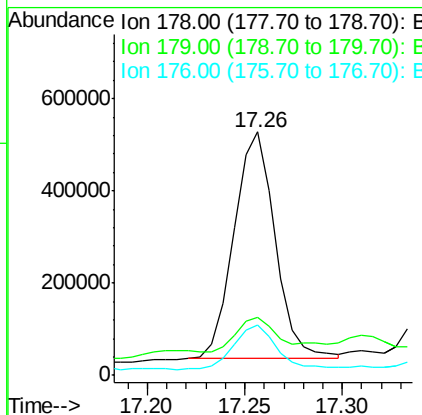
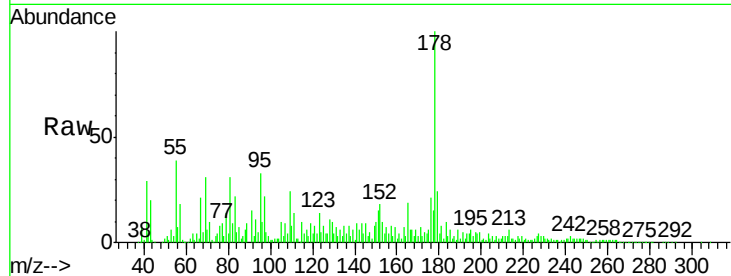
ClientSampleId :

JHGF9

Tgt Ion:	178	Resp:	719387
Ion Ratio		Lower	Upper
178	100		
179	23.8	12.2	18.2#
176	20.5	15.8	23.6

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#71

Anthracene

Concen: 5.68 ng/ul

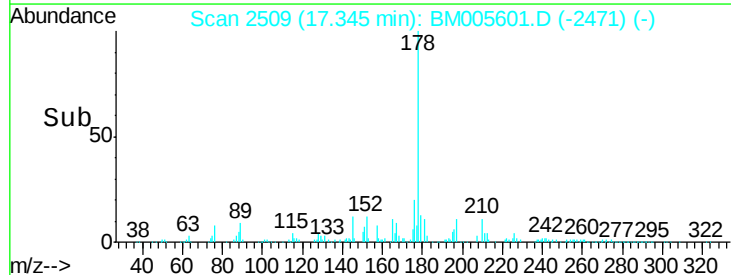
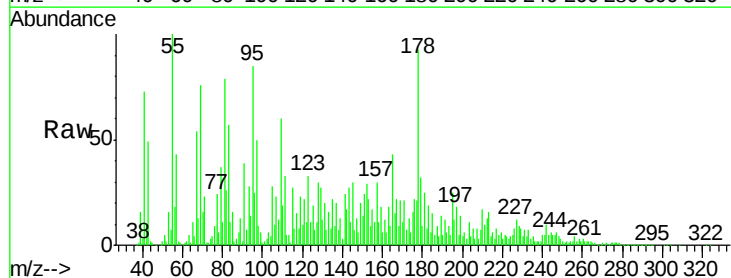
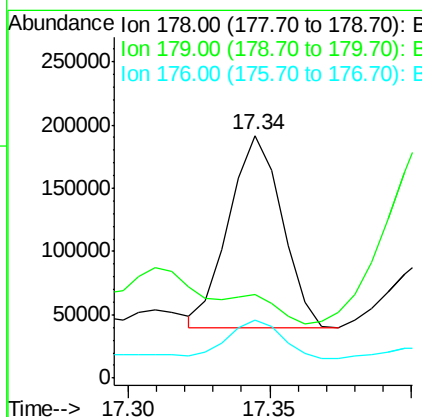
RT: 17.34 min Scan# 2509

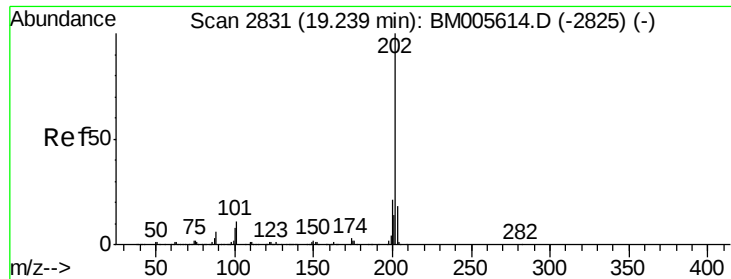
Delta R.T. 0.02 min

Lab File: BM005601.D

Acq: 22 May 2016 23:53

Tgt Ion:	178	Resp:	199873
Ion Ratio		Lower	Upper
178	100		
179	34.6	12.6	18.8#
176	24.0	15.0	22.4#





#74

Fluoranthene

Concen: 22.50 ng/ul

RT: 19.27 min Scan# 2836

Delta R.T. 0.03 min

Lab File: BM005601.D

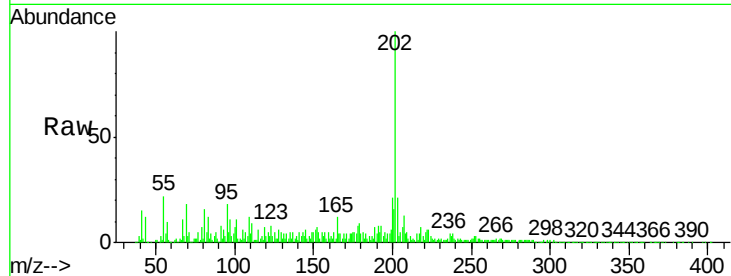
Acq: 22 May 2016 23:53

Instrument :

BNA_M

ClientSampleId :

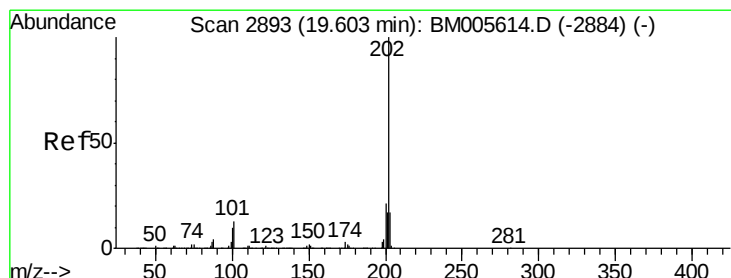
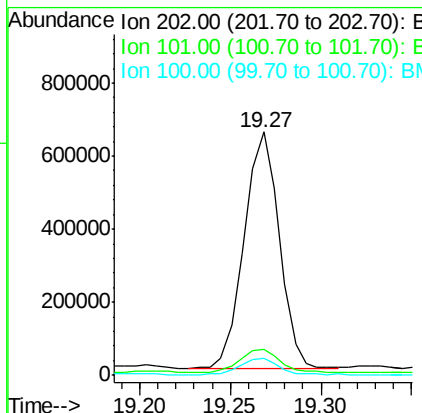
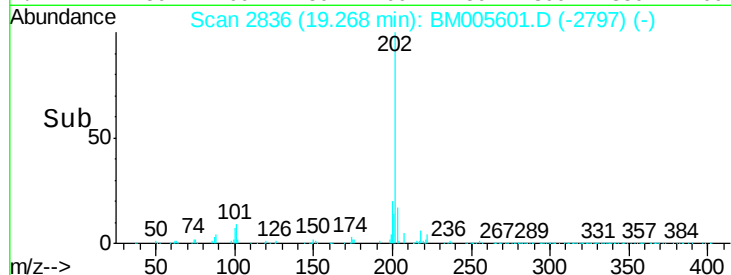
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Tgt Ion:	202	Resp:	873634
Ion Ratio	Lower	Upper	
202	100		
101	10.7	7.9	11.9
100	7.2	5.6	8.4

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#77

Pyrene

Concen: 40.99 ng/ul

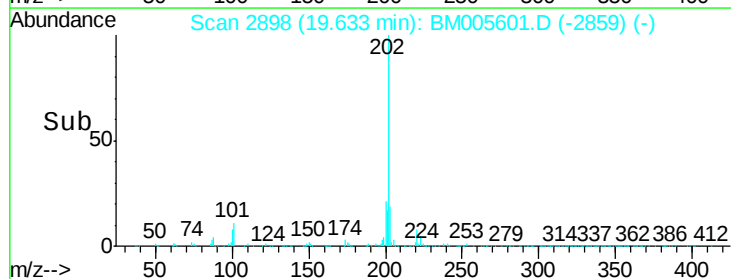
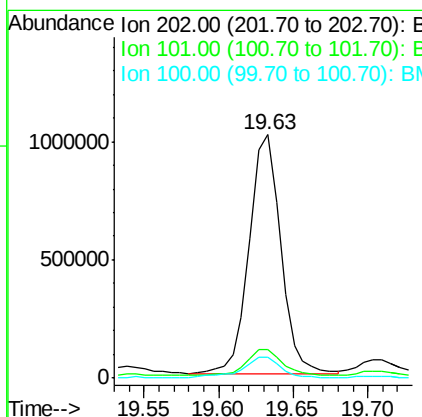
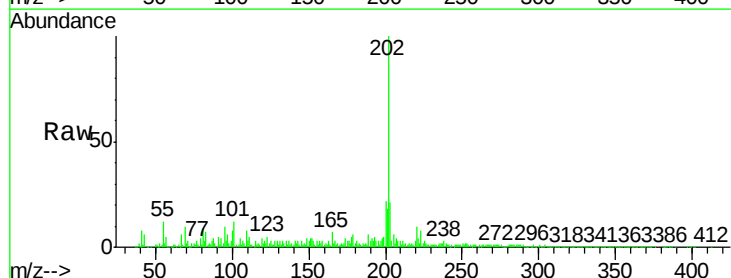
RT: 19.63 min Scan# 2898

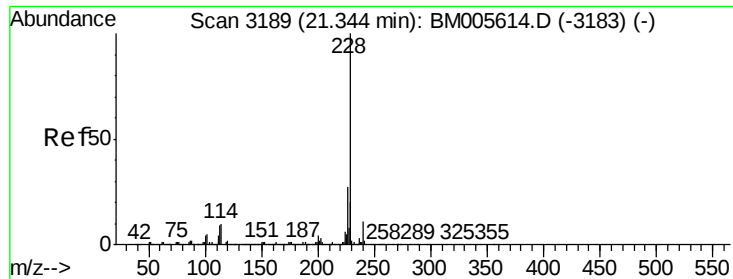
Delta R.T. 0.03 min

Lab File: BM005601.D

Acq: 22 May 2016 23:53

Tgt Ion:	202	Resp:	1473394
Ion Ratio	Lower	Upper	
202	100		
101	11.7	9.6	14.4
100	8.5	7.8	11.6





#80

Benzo(a)anthracene

Concen: 11.28 ng/ul

RT: 21.37 min Scan# 3193

Delta R.T. 0.02 min

Lab File: BM005601.D

Acq: 22 May 2016 23:53

Instrument :

BNA_M

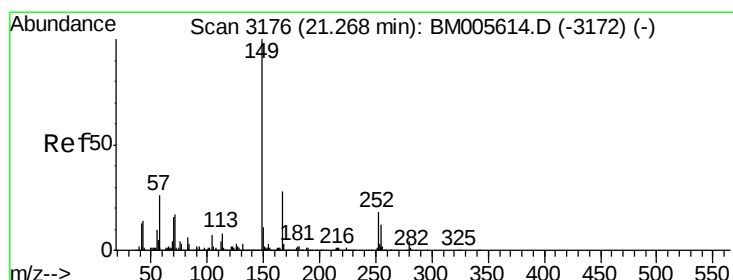
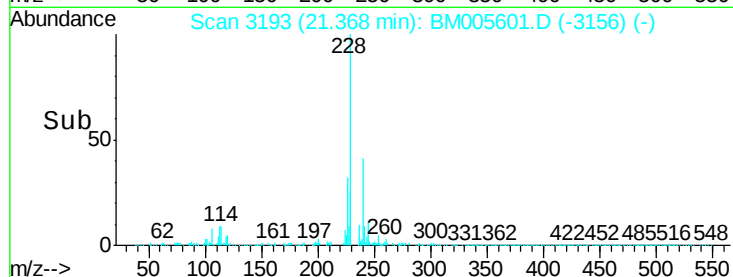
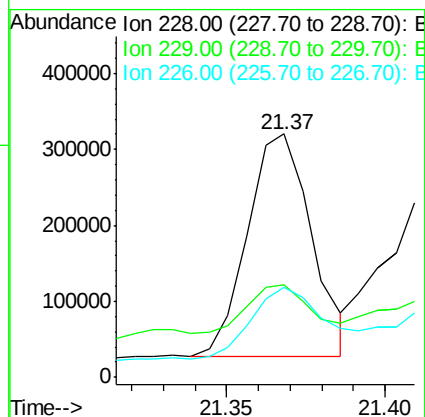
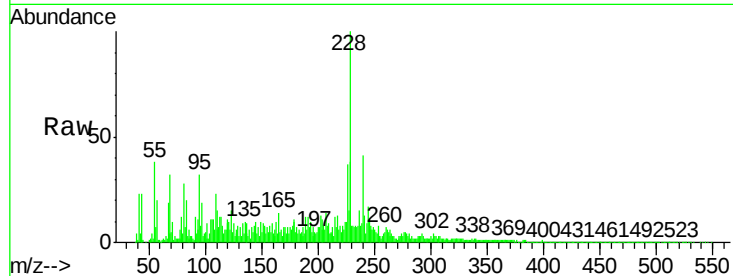
ClientSampleId :

JHGF9

Tgt Ion:	228	Resp:	414673
Ion Ratio	Lower	Upper	
228	100		
229	37.8	15.4	23.2#
226	36.9	21.0	31.4#

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#81

Bis(2-ethylhexyl)phthalate

Concen: 10.59 ng/ul

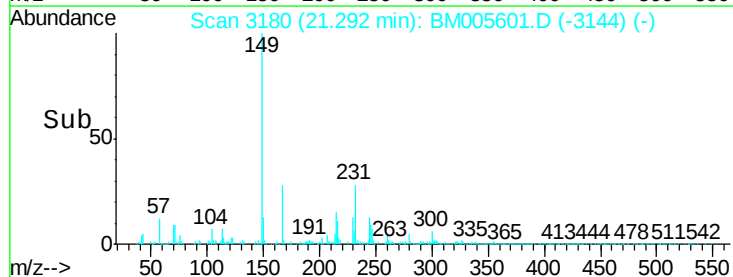
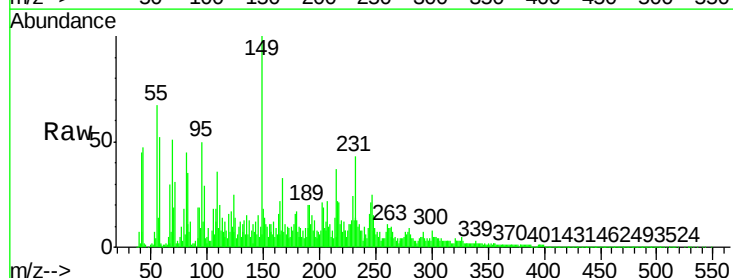
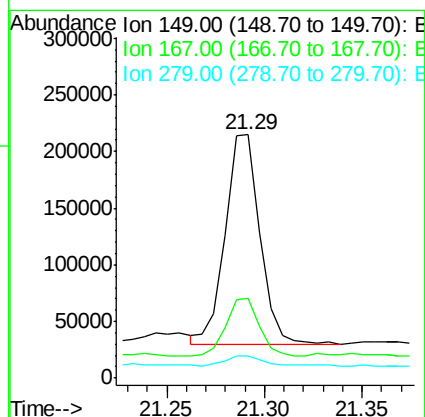
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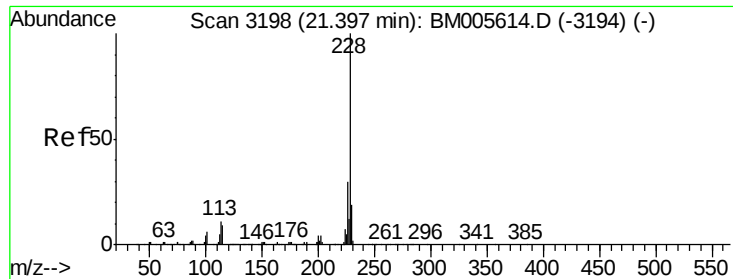
Delta R.T. 0.01 min

Lab File: BM005601.D

Acq: 22 May 2016 23:53

Tgt Ion:	149	Resp:	226683
Ion Ratio	Lower	Upper	
149	100		
167	33.0	22.0	33.0
279	9.2	3.8	5.8#





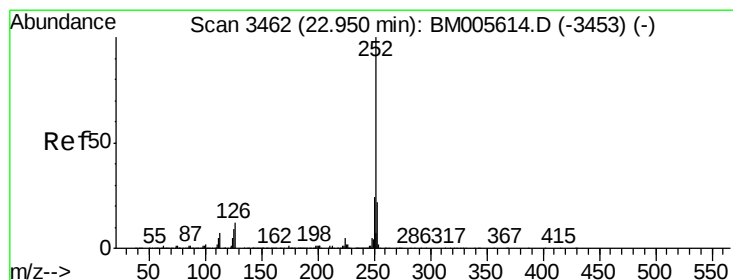
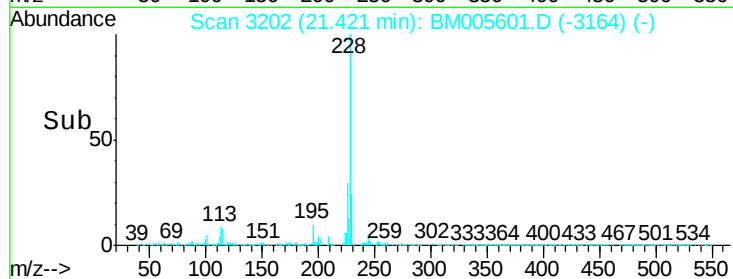
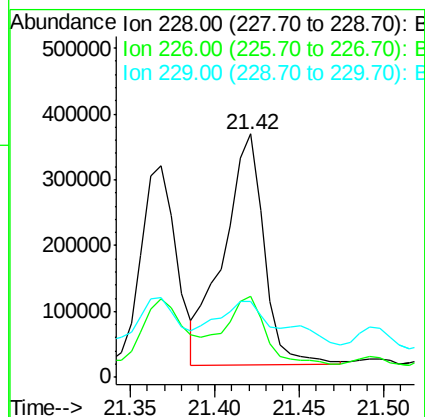
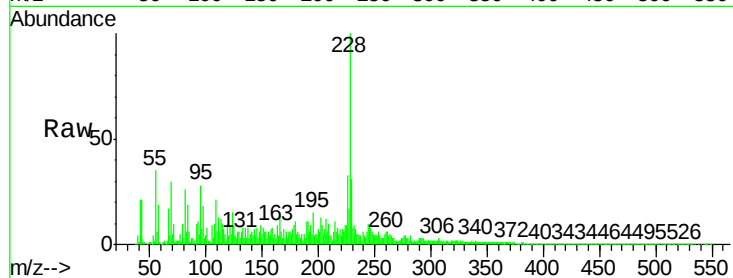
#82
Chrysene
Concen: 16.77 ng/ul
RT: 21.42 min Scan# 3202
Delta R.T. 0.02 min
Lab File: BM005601.D
Acq: 22 May 2016 23:53

Instrument :
BNA_M
ClientSampleId :
JHGF9

Tgt Ion:	228	Resp:	586363
Ion Ratio	Lower	Upper	
228	100		
226	33.3	23.7	35.5
229	31.4	15.5	23.3#

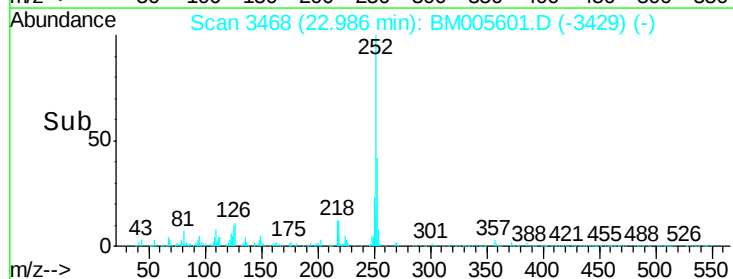
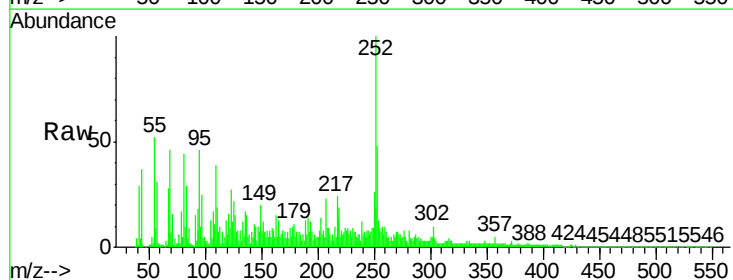
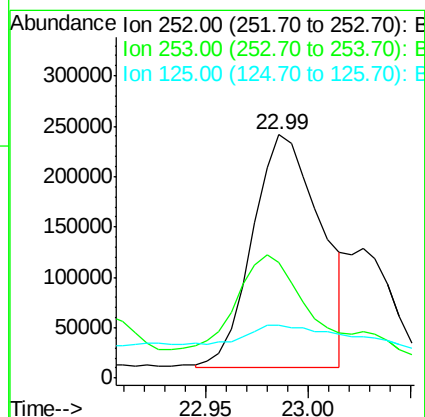
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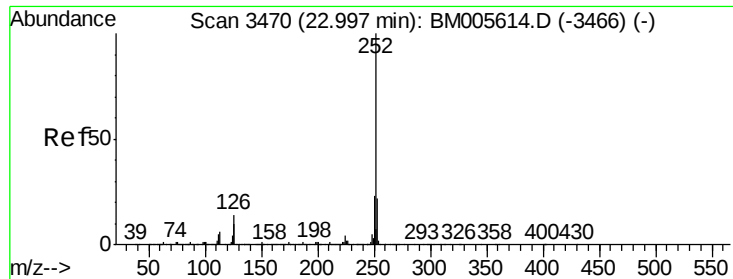
umangi
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#85
Benzo(b)fluoranthene
Concen: 15.03 ng/ul m
RT: 22.99 min Scan# 3468
Delta R.T. 0.03 min
Lab File: BM005601.D
Acq: 22 May 2016 23:53

Tgt Ion:	252	Resp:	534127
Ion Ratio	Lower	Upper	
252	100		
253	47.6	17.3	25.9#
125	21.6	7.0	10.4#





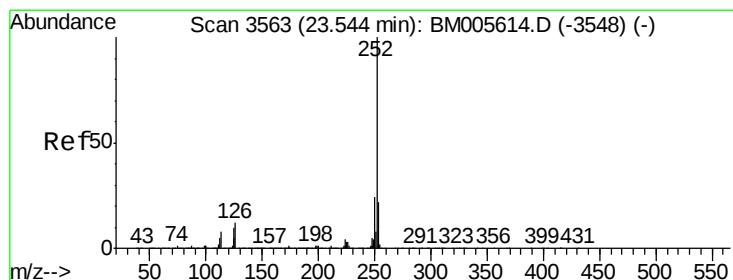
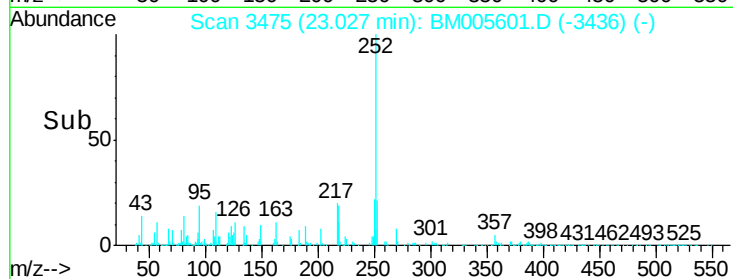
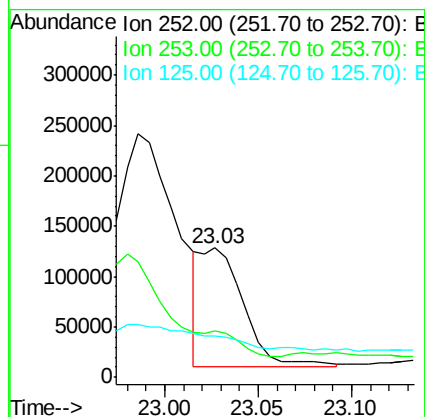
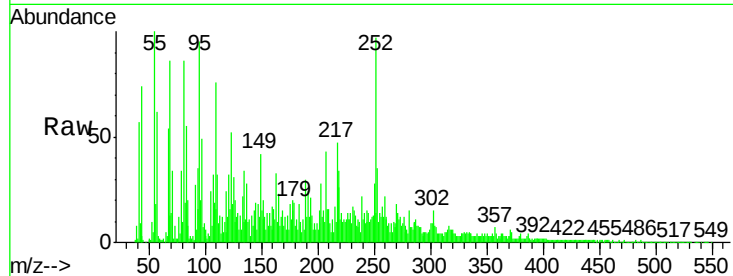
#86
Benzo(k)fluoranthene
Concen: 5.65 ng/ul m
RT: 23.03 min Scan# 3475
Delta R.T. 0.03 min
Lab File: BM005601.D
Acq: 22 May 2016 23:53

Instrument :
BNA_M
ClientSampleId :
JHGF9

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	190172		
253	35.6	17.5	26.3#	
125	32.1	7.0	10.6#	

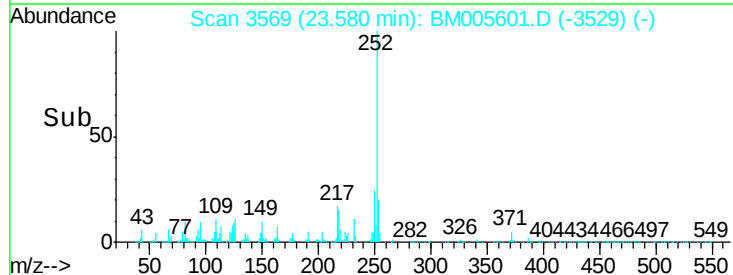
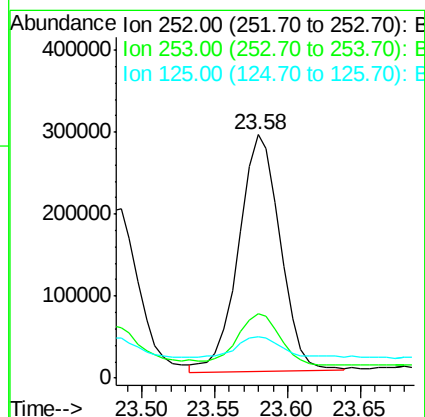
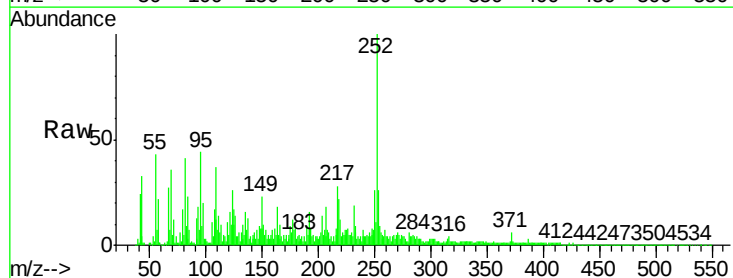
Manual Integrations
APPROVED

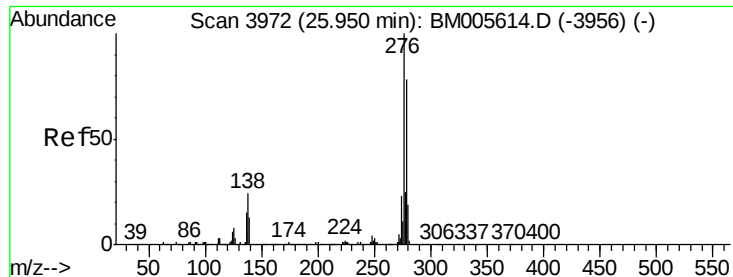
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#88
Benzo(a)pyrene
Concen: 16.72 ng/ul m
RT: 23.58 min Scan# 3569
Delta R.T. 0.04 min
Lab File: BM005601.D
Acq: 22 May 2016 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	576594		
253	26.3	17.6	26.4	
125	17.0	7.6	11.4#	





#89

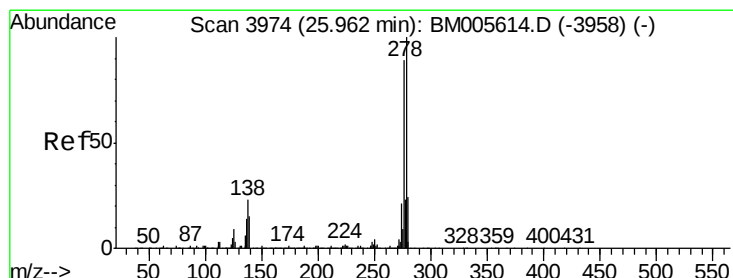
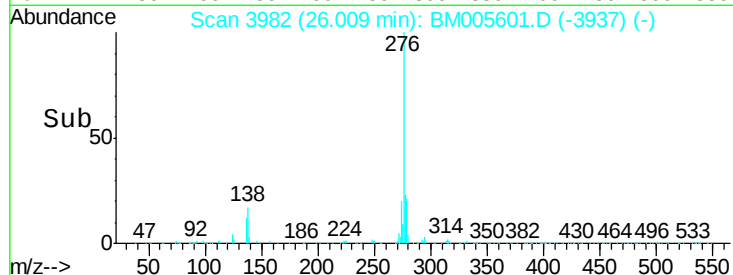
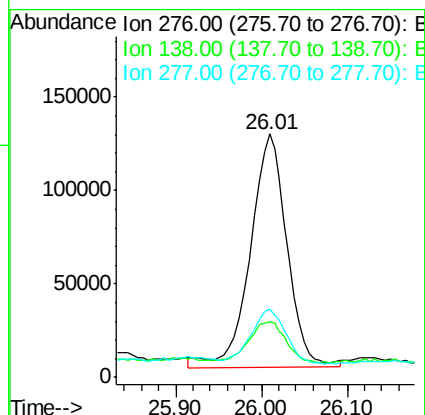
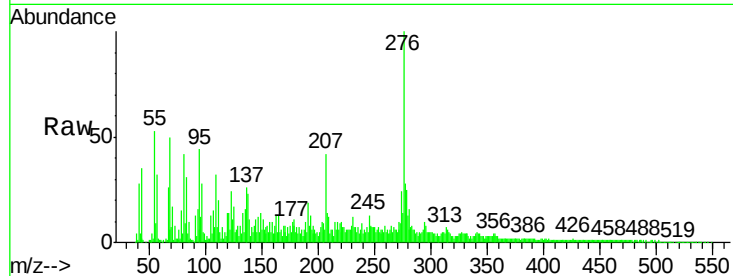
Indeno(1,2,3-cd)pyrene
Concen: 9.14 ng/ul m
RT: 26.01 min Scan# 3982
Delta R.T. 0.06 min
Lab File: BM005601.D
Acq: 22 May 2016 23:53

Instrument :
BNA_M
ClientSampleId :
JHGF9

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.8	16.9	25.3
277	27.8	20.2	30.4

Manual Integrations
APPROVED

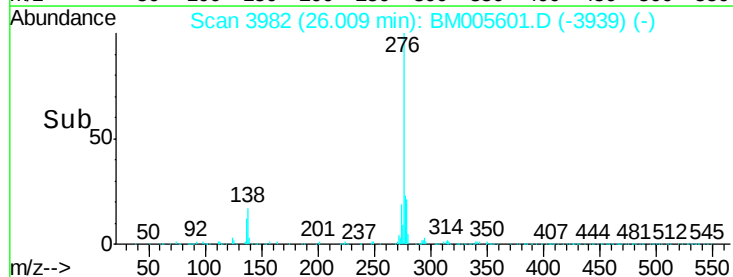
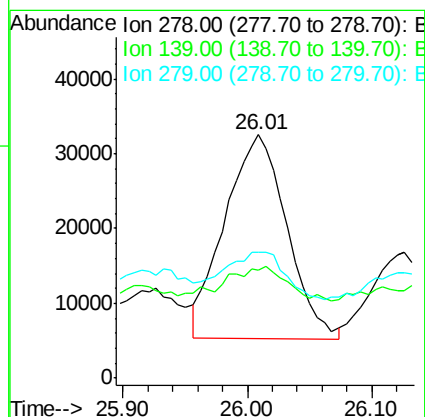
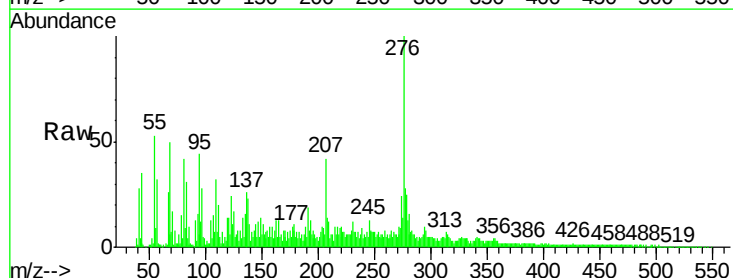
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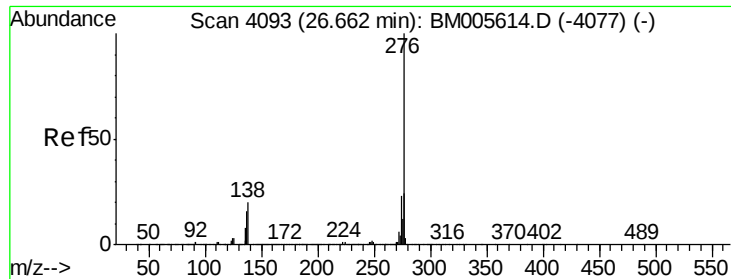


#90

Dibenzo(a,h)anthracene
Concen: 2.77 ng/ul m
RT: 26.01 min Scan# 3982
Delta R.T. 0.05 min
Lab File: BM005601.D
Acq: 22 May 2016 23:53

Tgt Ion	Ratio	Lower	Upper
278	100		
139	44.5	11.8	17.6#
279	51.6	19.4	29.2#





#91

Benzo(g,h,i)perylene

Concen: 11.96 ng/ul m

RT: 26.73 min Scan# 4104

Delta R.T. 0.07 min

Lab File: BM005601.D

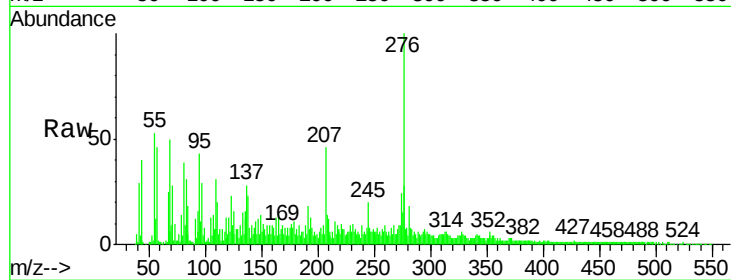
Acq: 22 May 2016 23:53

Instrument :

BNA_M

ClientSampleId :

JHGF9



Tgt Ion: 276 Resp: 411632

Ion Ratio Lower Upper

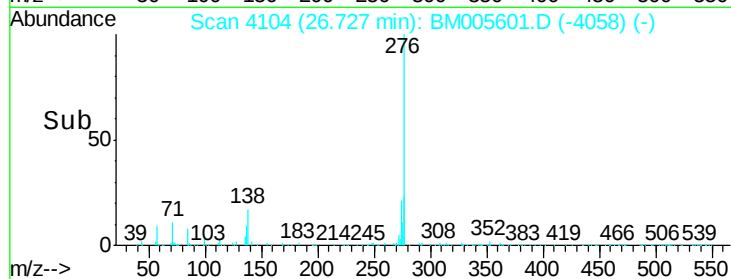
276 100

138 23.4 15.0 22.6#

277 28.5 18.6 28.0#

Manual Integrations
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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

