

Data Path : Z:\HPCHEM1\BNA_M\Data\BM050516\
 Data File : BM005240.D
 Acq On : 05 May 2016 18:26
 Operator : UM/SJ
 Sample : H2729-02ME
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BD3D0ME

Manual Integrations
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Quant Time: May 07 07:27:20 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 06 04:17:42 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	91959	20.00	ng/ul	0.00
18) Naphthalene-d8	10.56	136	460255	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	294928	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	703620	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	680560	20.00	ng/ul	0.00
83) Perylene-d12	23.64	264	707068	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	4018	2.05	ng/uL	0.00
5) Phenol-d5	6.95	99	98962	11.87	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.11	67	59224	12.45	ng/ul	0.00
9) 2-Chlorophenol-d4	7.31	132	76492	12.14	ng/ul	0.00
13) 4-Methylphenol-d8	8.48	113	82601	11.98	ng/ul	0.00
19) Nitrobenzene-d5	8.93	128	37749	11.49	ng/ul	0.00
22) 2-Nitrophenol-d4	9.65	143	43502	11.69	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.19	165	83582	12.09	ng/ul	0.00
29) 4-Chloroaniline-d4	10.70	131	78468	9.43	ng/ul	0.00
43) Dimethylphthalate-d6	13.82	166	294967	12.48	ng/ul	0.00
46) Acenaphthylene-d8	14.11	160	352595	12.72	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	41214m	9.55	ng/ul	0.00
57) Fluorene-d10	15.41	176	270391	13.25	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	40238	10.17	ng/ul	0.00
70) Anthracene-d10	17.27	188	433723	13.94	ng/ul	0.00
76) Pyrene-d10	19.57	212	468961	14.93	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.50	264	444498	14.20	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.61	128	163598	7.06	ng/ul	99
34) 2-Methylnaphthalene	12.23	142	49641	2.87	ng/ul	98
40) 1,1'-Biphenyl	13.24	154	27501	1.18	ng/ul	96
47) Acenaphthylene	14.14	152	203902	6.95	ng/ul	99
49) Acenaphthene	14.48	153	99014	5.12	ng/ul	99
53) Dibenzofuran	14.82	168	197125	7.03	ng/ul	99
58) Fluorene	15.47	166	226852	10.34	ng/ul	99
69) Phenanthrene	17.22	178	2594396	70.13	ng/ul	99
71) Anthracene	17.30	178	844766	22.90	ng/ul	99
72) Carbazole	17.57	167	231388	7.13	ng/ul	99
74) Fluoranthene	19.24	202	3602482	87.89	ng/ul	96
77) Pyrene	19.60	202	3310466	83.87	ng/ul	97
80) Benzo(a)anthracene	21.35	228	1736454	44.36	ng/ul	97
82) Chrysene	21.40	228	1596064	42.98	ng/ul	97
85) Benzo(b)fluoranthene	22.96	252	1946420	47.09	ng/ul	98
86) Benzo(k)fluoranthene	23.00	252	662758m	17.03	ng/ul	
88) Benzo(a)pyrene	23.55	252	1466431	37.51	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.94	276	795145	18.64	ng/ul	94
90) Dibenzo(a,h)anthracene	25.94	278	192938	5.41	ng/ul#	81
91) Benzo(g,h,i)perylene	26.66	276	678215	18.77	ng/ul	99

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

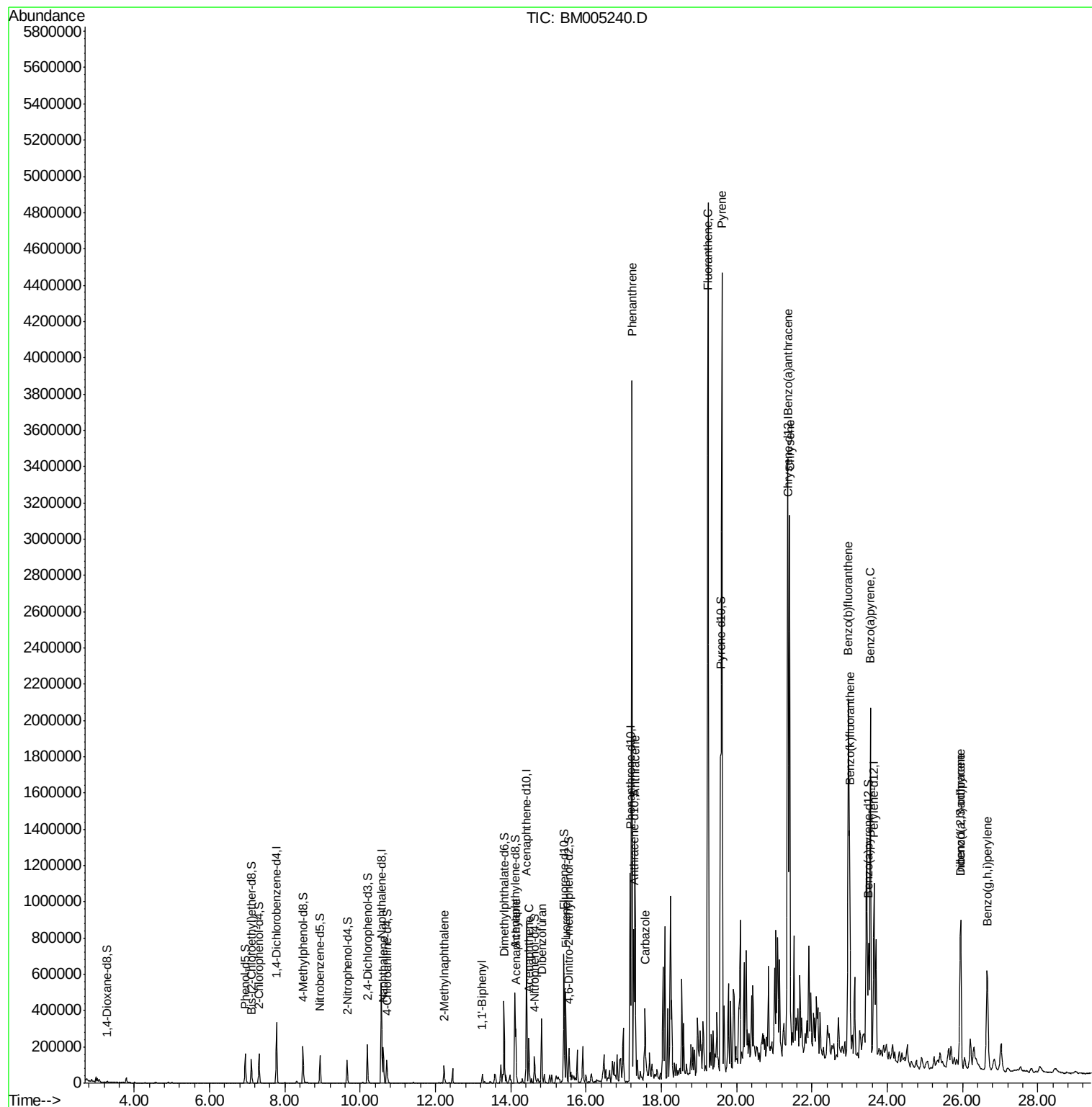
Data Path : Z:\HPCHEM1\BNA_M\Data\BM050516\
Data File : BM005240.D
Acq On : 05 May 2016 18:26
Operator : UM/SJ
Sample : H2729-02ME
Misc :
ALS Vial : 13 Sample Multiplier: 1

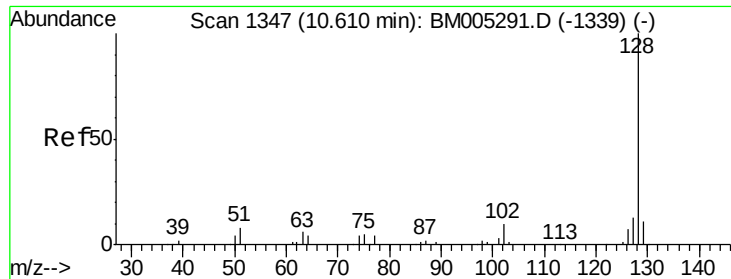
Instrument :
BNA_M
ClientSampleId :
BD3D0ME

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Quant Time: May 07 07:27:20 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





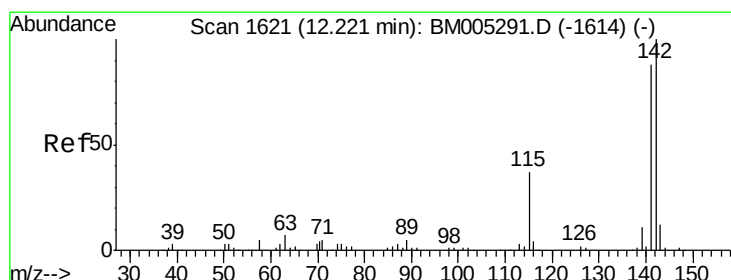
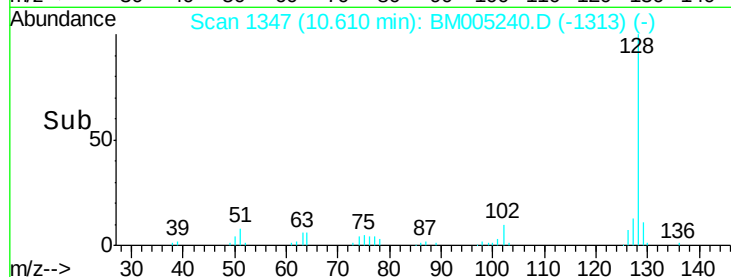
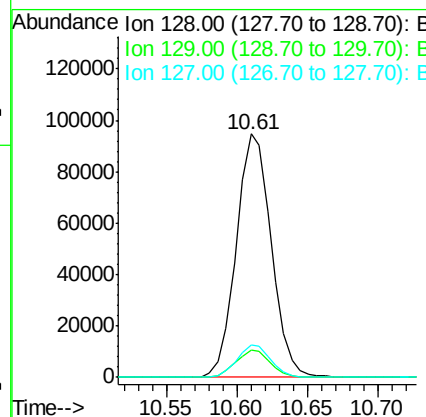
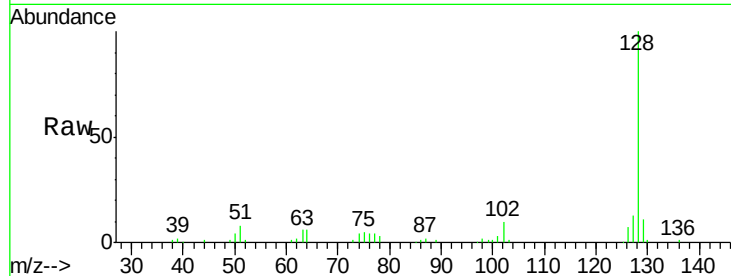
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Naphthalene
Concen: 7.06 ng/ul
RT: 10.61 min Scan# 1347
Delta R.T. -0.00 min
Lab File: BM005240.D
Acq: 05 May 2016 18:26

Instrument :
BNA_M
ClientSampleId :
BD3D0ME

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	163598		
129	11.1	8.4	12.6	
127	13.2	10.8	16.2	

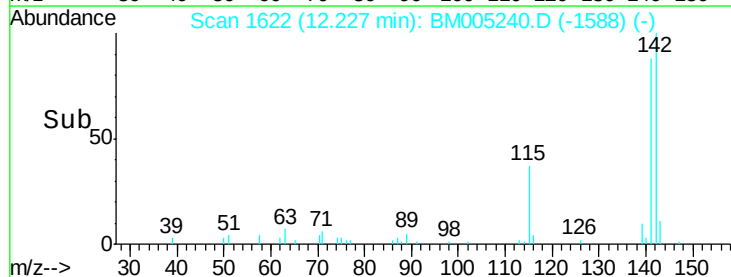
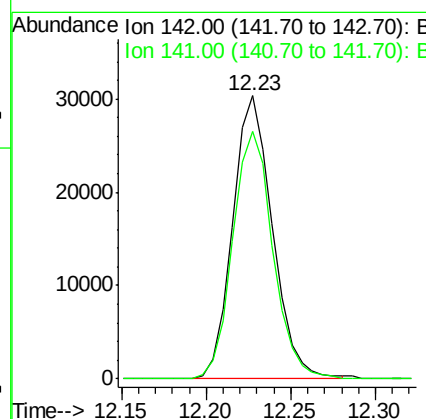
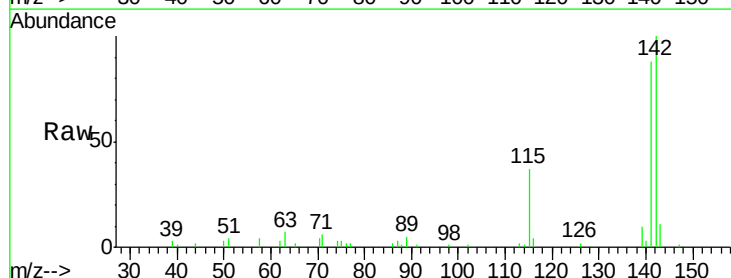
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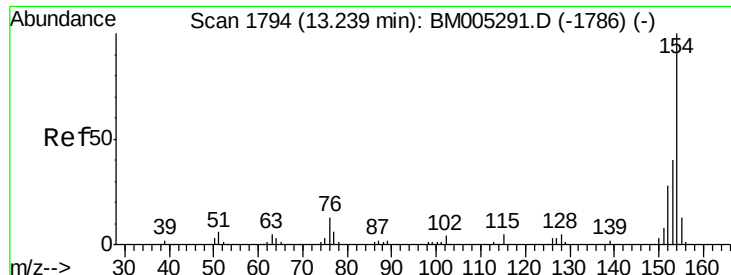
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#34
2-Methylnaphthalene
Concen: 2.87 ng/ul
RT: 12.23 min Scan# 1622
Delta R.T. -0.00 min
Lab File: BM005240.D
Acq: 05 May 2016 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	49641		
141	87.6	71.3	106.9	





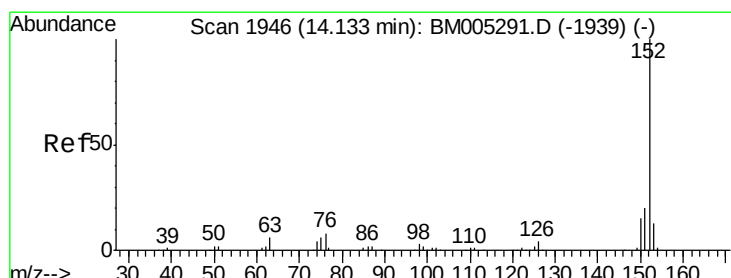
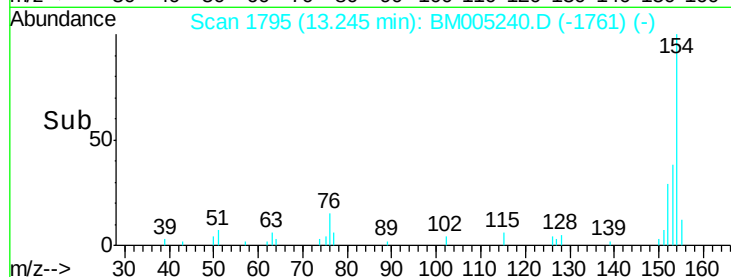
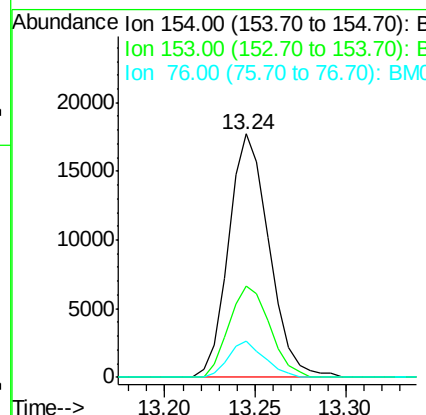
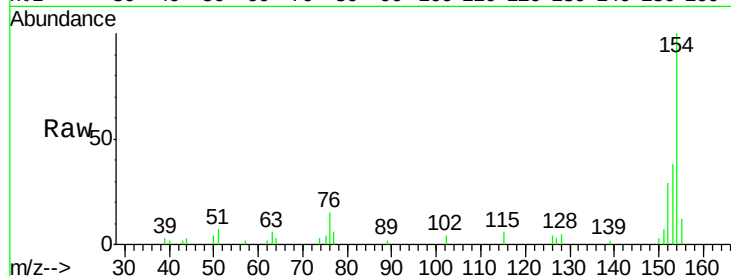
#40
 1,1'-Biphenyl
 Concen: 1.18 ng/ul
 RT: 13.24 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: BM005240.D
 Acq: 05 May 2016 18:26

Instrument :
 BNA_M
 ClientSampleId :
 BD3D0ME

Tgt Ion:	154	Resp:	27501
Ion Ratio	Lower	Upper	
154	100		
153	37.5	32.1	48.1
76	14.7	10.6	15.8

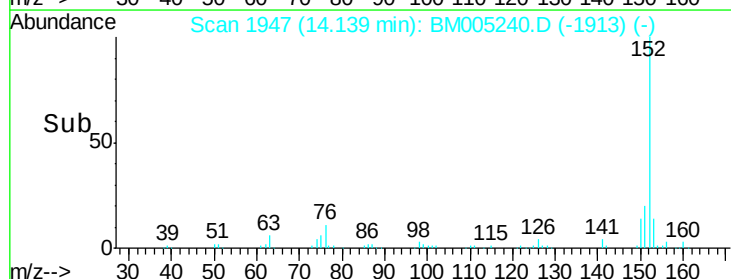
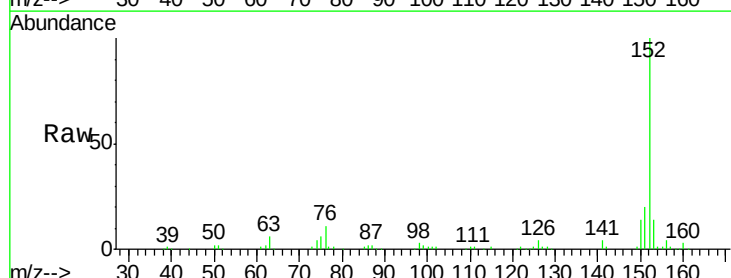
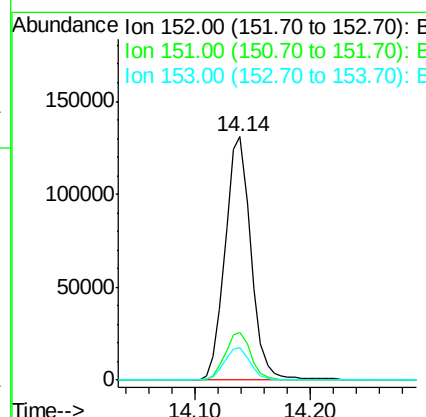
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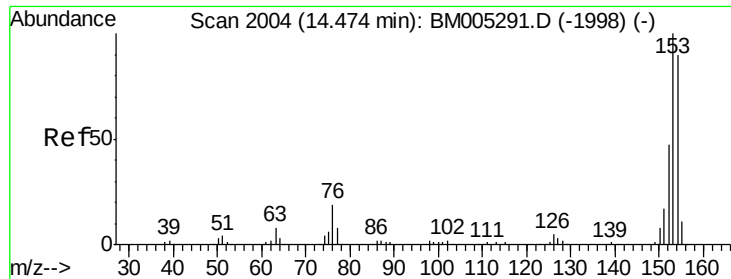
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#47
 Acenaphthylene
 Concen: 6.95 ng/ul
 RT: 14.14 min Scan# 1947
 Delta R.T. -0.00 min
 Lab File: BM005240.D
 Acq: 05 May 2016 18:26

Tgt Ion:	152	Resp:	203902
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.0	24.0
153	13.6	10.3	15.5





#49

Acenaphthene

Concen: 5.12 ng/ul

RT: 14.48 min Scan# 2005

Delta R.T. -0.00 min

Lab File: BM005240.D

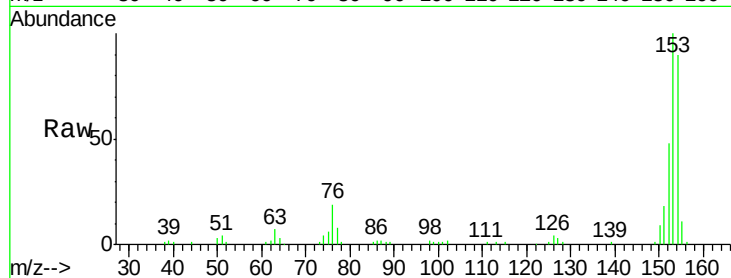
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Instrument :

BNA_M

ClientSampleId :

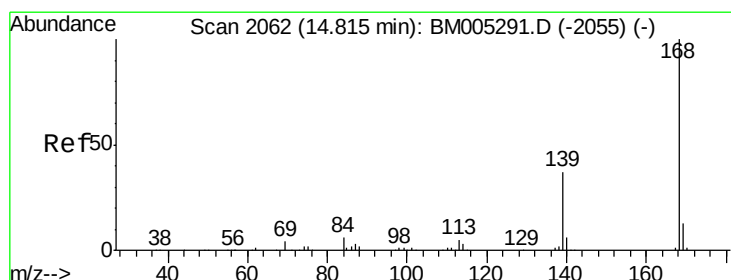
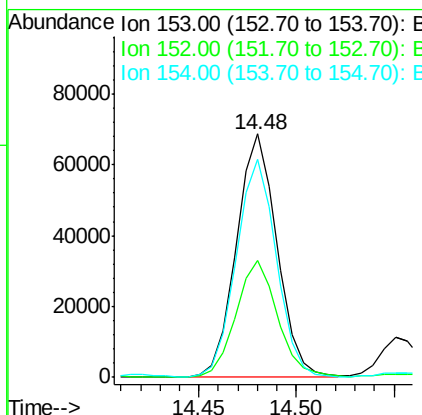
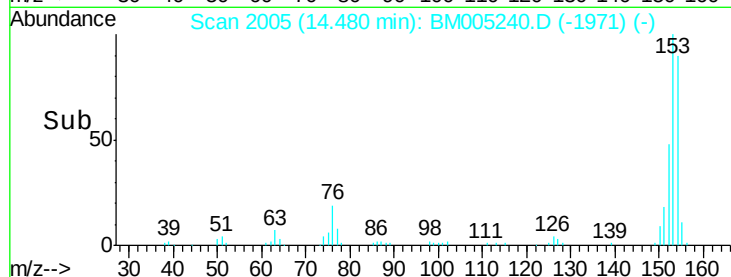
BD3D0ME



Tgt Ion:	153	Resp:	99014
Ion Ratio	Lower	Upper	
153	100		
152	48.2	38.9	58.3
154	89.6	70.3	105.5

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#53

Dibenzofuran

Concen: 7.03 ng/ul

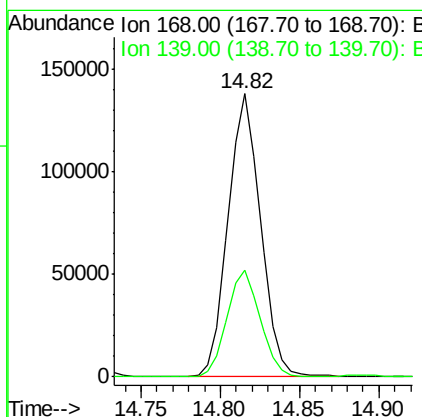
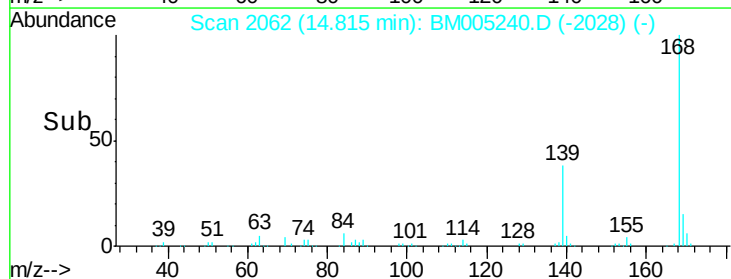
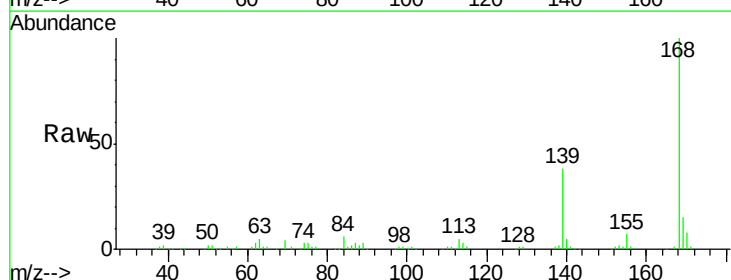
RT: 14.82 min Scan# 2062

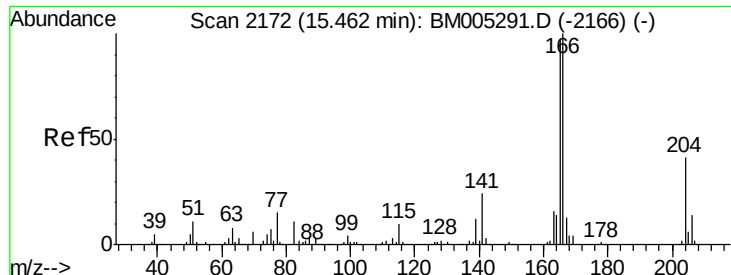
Delta R.T. -0.00 min

Lab File: BM005240.D

Acq: 05 May 2016 18:26

Tgt Ion:	168	Resp:	197125
Ion Ratio	Lower	Upper	
168	100		
139	37.6	30.3	45.5





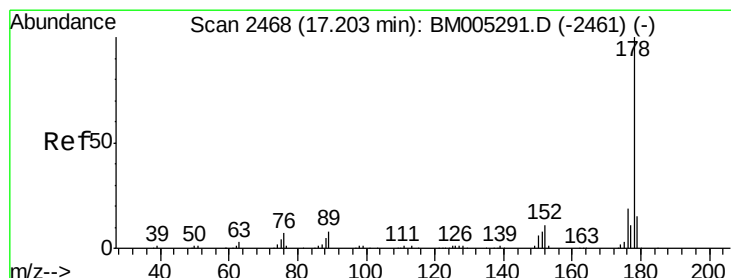
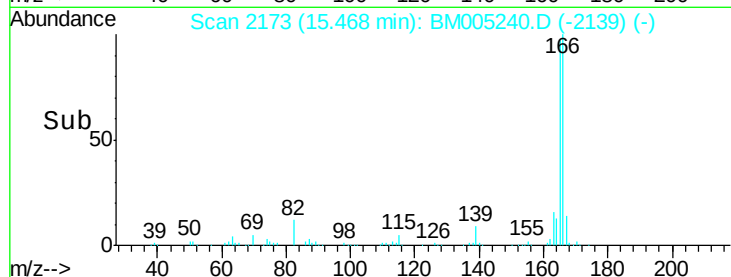
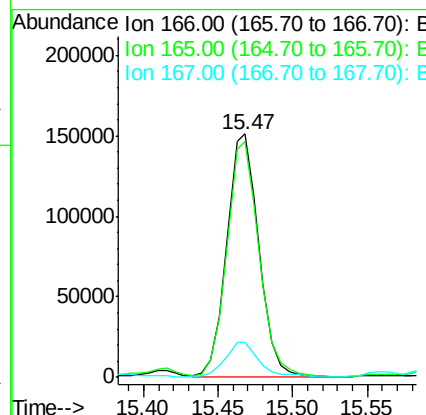
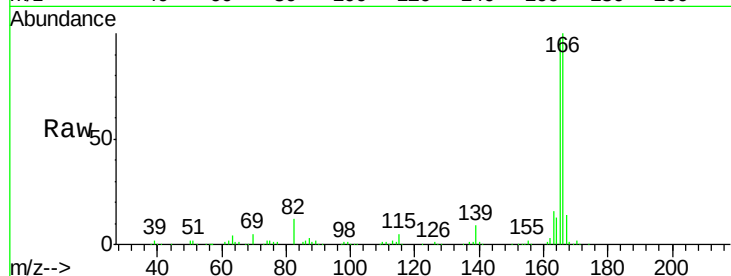
#58
 Fluorene
 Concen: 10.34 ng/ul
 RT: 15.47 min Scan# 2173
 Delta R.T. -0.00 min
 Lab File: BM005240.D
 Acq: 05 May 2016 18:26

Instrument :
 BNA_M
 ClientSampleId :
 BD3D0ME

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	226852		
165	96.9	77.9	116.9	
167	14.1	10.6	16.0	

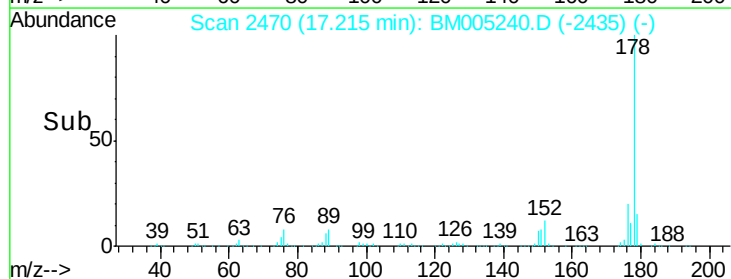
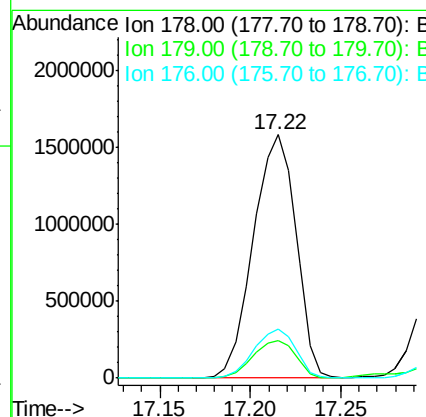
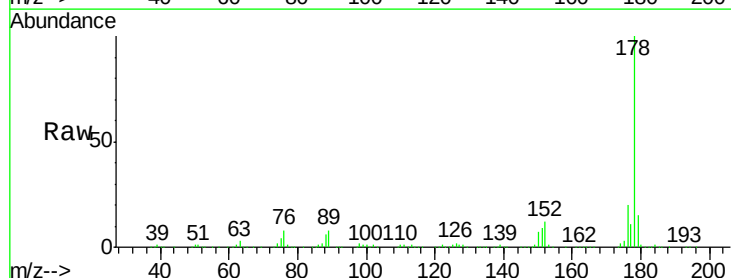
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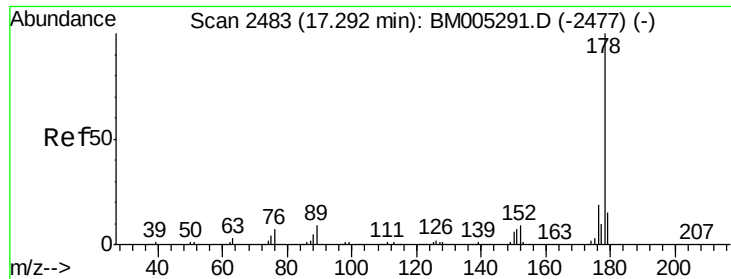
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#69
 Phenanthrene
 Concen: 70.13 ng/ul
 RT: 17.22 min Scan# 2470
 Delta R.T. 0.01 min
 Lab File: BM005240.D
 Acq: 05 May 2016 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2594396		
179	15.4	12.3	18.5	
176	20.0	15.2	22.8	





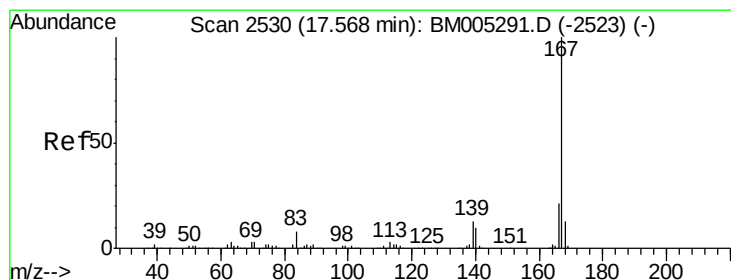
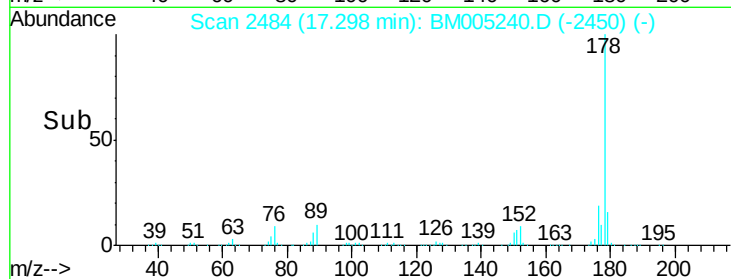
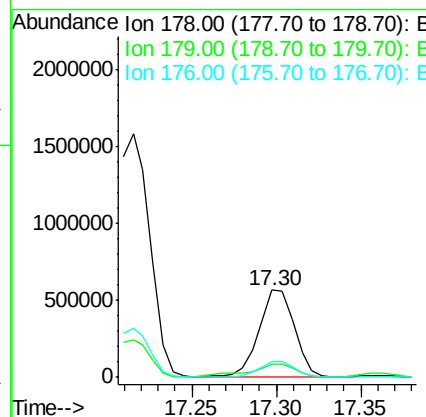
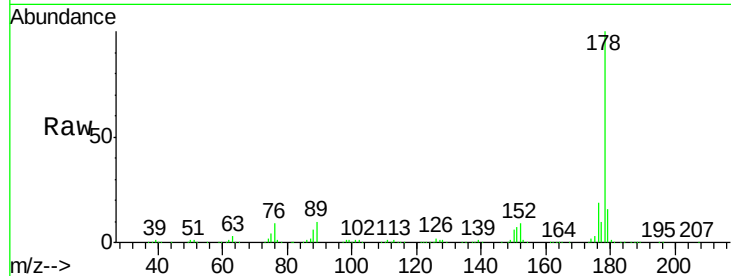
#71
 Anthracene
 Concen: 22.90 ng/ul
 RT: 17.30 min Scan# 2484
 Delta R.T. -0.00 min
 Lab File: BM005240.D
 Acq: 05 May 2016 18:26

Instrument :
 BNA_M
 ClientSampleId :
 BD3D0ME

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.4	18.6
176	18.5	15.1	22.7

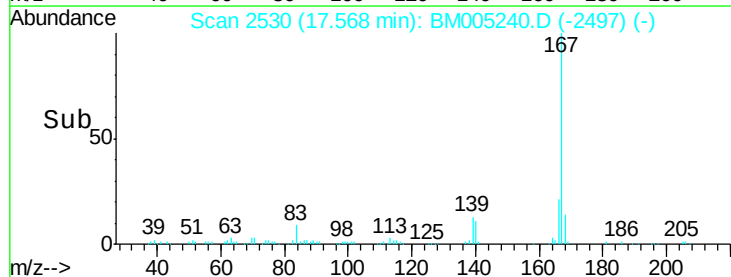
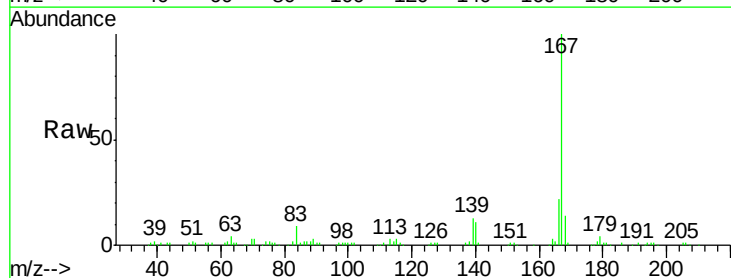
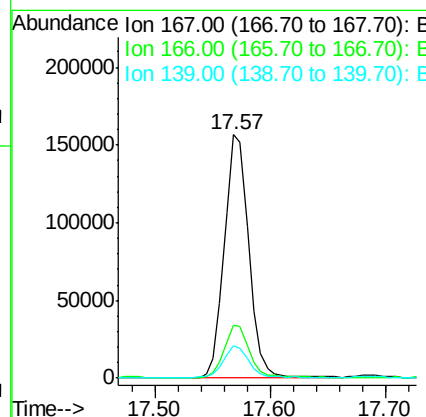
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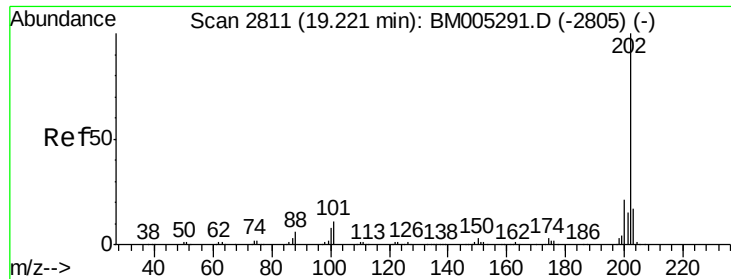
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#72
 Carbazole
 Concen: 7.13 ng/ul
 RT: 17.57 min Scan# 2530
 Delta R.T. -0.01 min
 Lab File: BM005240.D
 Acq: 05 May 2016 18:26

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.1	25.7
139	13.3	10.2	15.2





#74

Fluoranthene

Concen: 87.89 ng/ul

RT: 19.24 min Scan# 2814

Delta R.T. 0.01 min

Lab File: BM005240.D

Acq: 05 May 2016 18:26

Instrument :

BNA_M

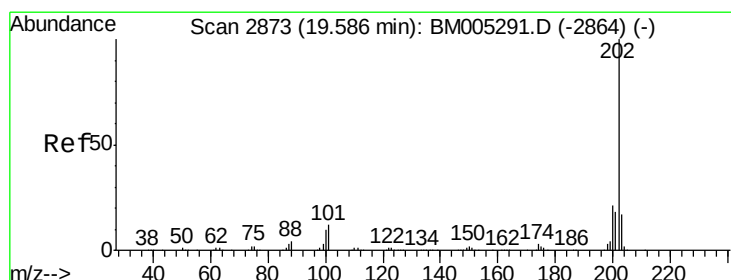
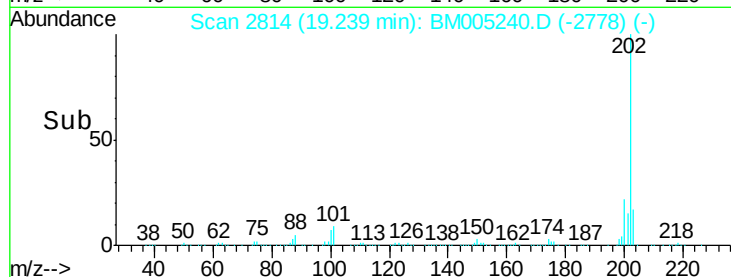
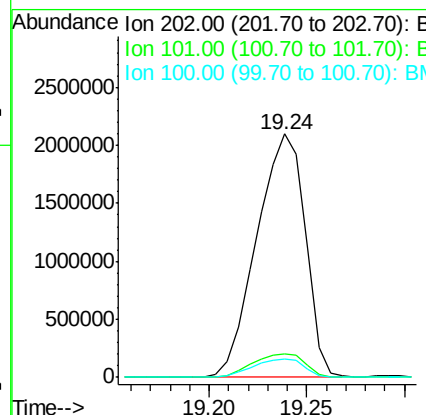
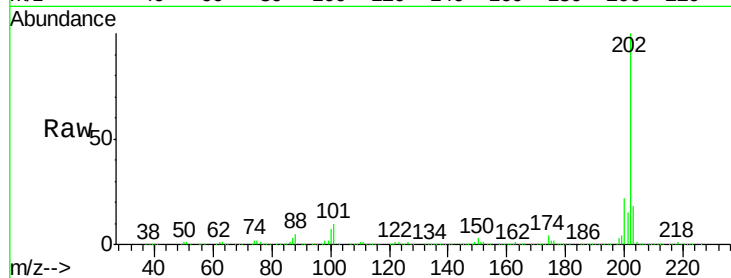
ClientSampleId :

BD3D0ME

Tgt Ion:	202	Resp:	3602482
Ion Ratio	Lower	Upper	
202	100		
101	9.7	9.2	13.8
100	7.4	7.1	10.7

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#77

Pyrene

Concen: 83.87 ng/ul

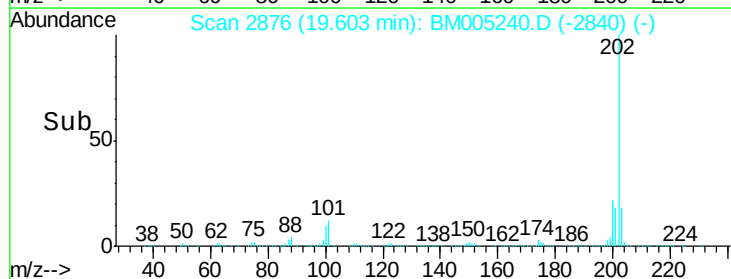
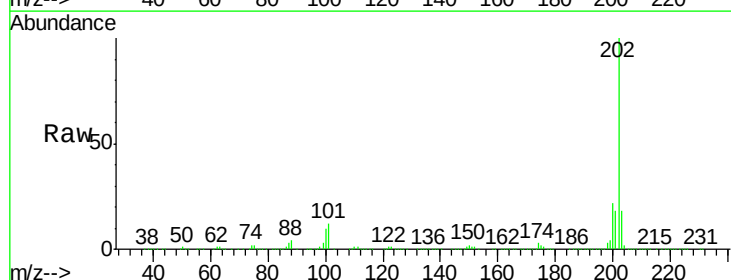
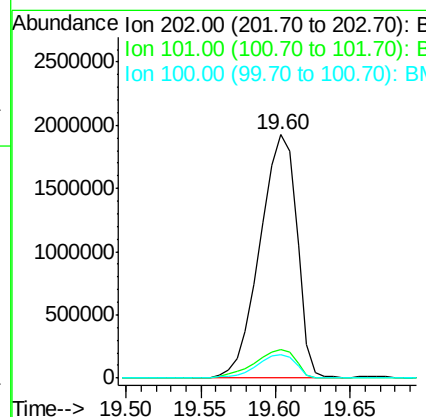
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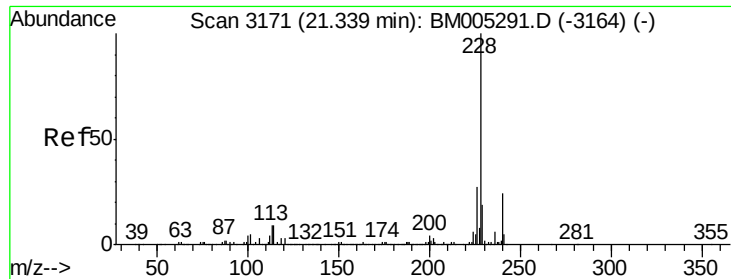
Delta R.T. 0.01 min

Lab File: BM005240.D

Acq: 05 May 2016 18:26

Tgt Ion:	202	Resp:	3310466
Ion Ratio	Lower	Upper	
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101	11.8	10.8	16.2
100	9.6	8.4	12.6





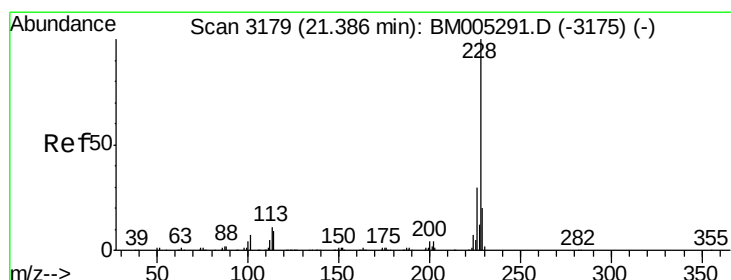
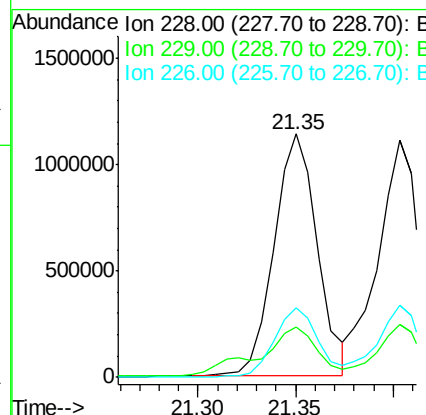
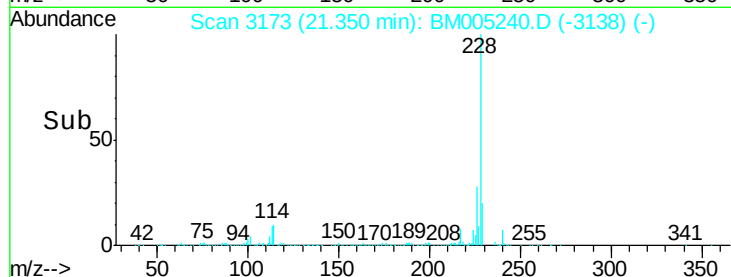
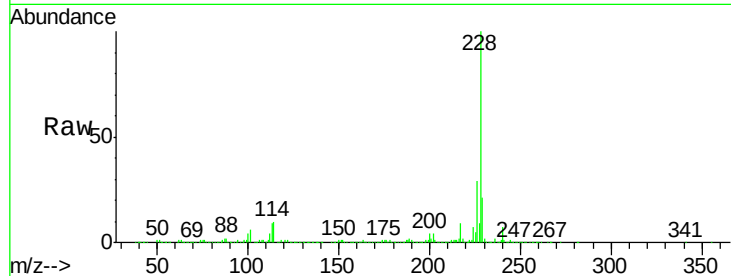
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Benzo(a)anthracene
Concen: 44.36 ng/ul
RT: 21.35 min Scan# 3173
Delta R.T. 0.01 min
Lab File: BM005240.D
Acq: 05 May 2016 18:26

Instrument :
BNA_M
ClientSampleId :
BD3D0ME

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.5	23.3
226	28.6	21.8	32.8

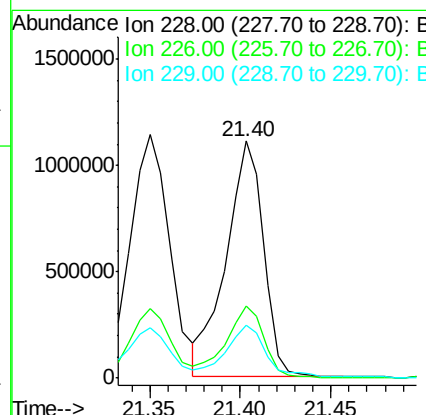
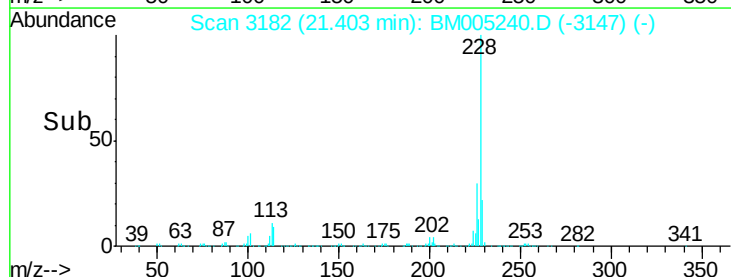
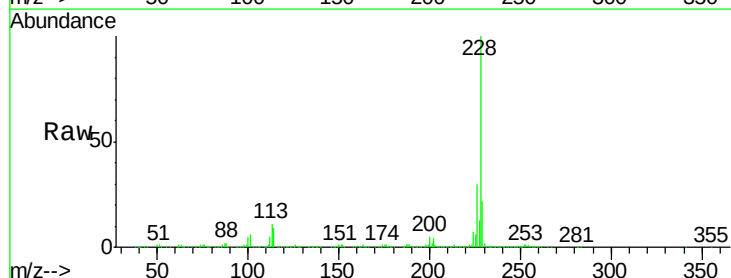
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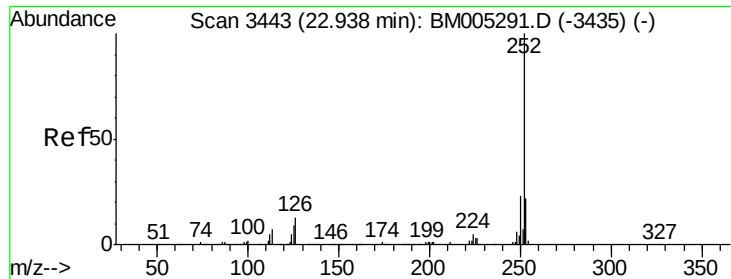
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#82
Chrysene
Concen: 42.98 ng/ul
RT: 21.40 min Scan# 3182
Delta R.T. 0.01 min
Lab File: BM005240.D
Acq: 05 May 2016 18:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.6	35.4
229	22.4	15.4	23.0





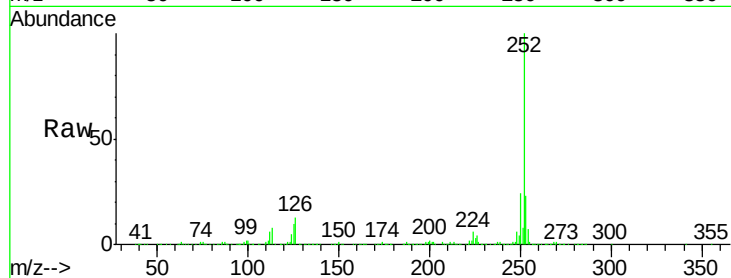
#85
Benzo(b)fluoranthene
Concen: 47.09 ng/ul
RT: 22.96 min Scan# 3447
Delta R.T. 0.01 min
Lab File: BM005240.D
Acq: 05 May 2016 18:26

Instrument :
BNA_M
ClientSampleId :
BD3D0ME

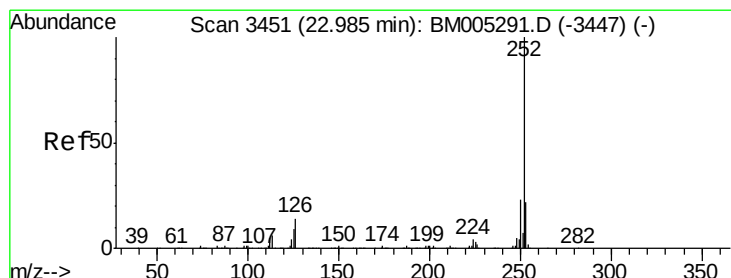
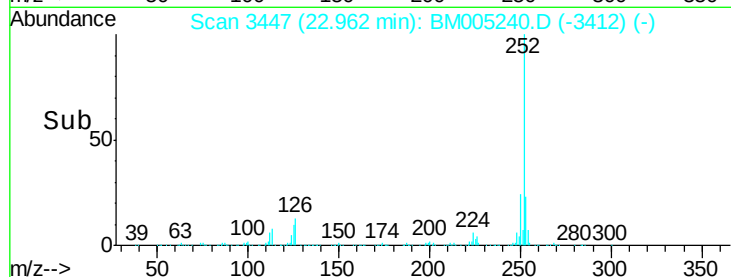
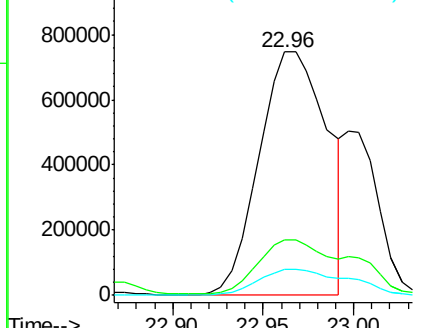
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	10.4	8.4	12.6

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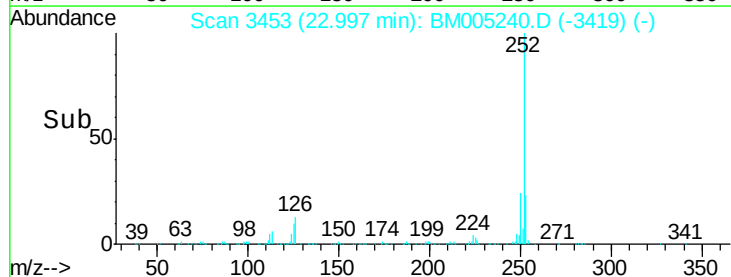
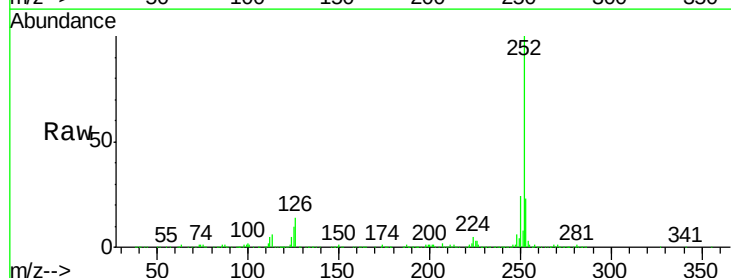
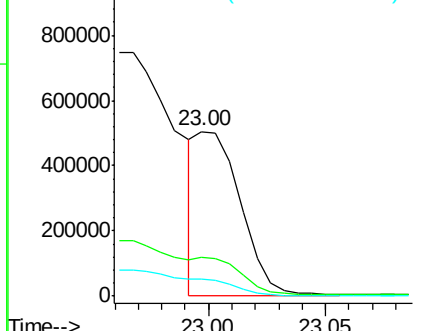
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

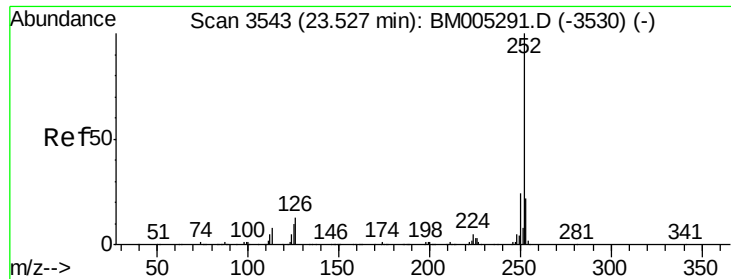


#86
Benzo(k)fluoranthene
Concen: 17.03 ng/ul m
RT: 23.00 min Scan# 3453
Delta R.T. -0.00 min
Lab File: BM005240.D
Acq: 05 May 2016 18:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.3	25.9
125	10.2	8.0	12.0

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





#88

Benzo(a)pyrene

Concen: 37.51 ng/ul

RT: 23.55 min Scan# 3547

Delta R.T. 0.01 min

Lab File: BM005240.D

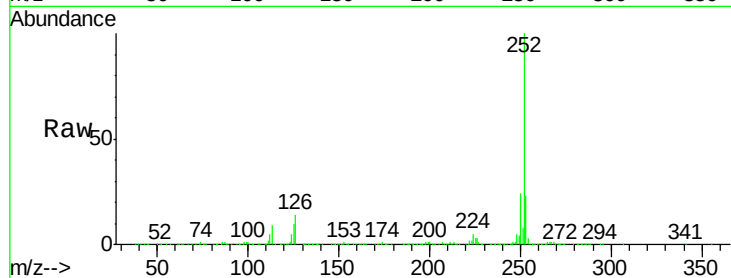
Acq: 05 May 2016 18:26

Instrument :

BNA_M

ClientSampleId :

BD3D0ME



Tgt Ion:252 Resp: 1466431

Ion Ratio Lower Upper

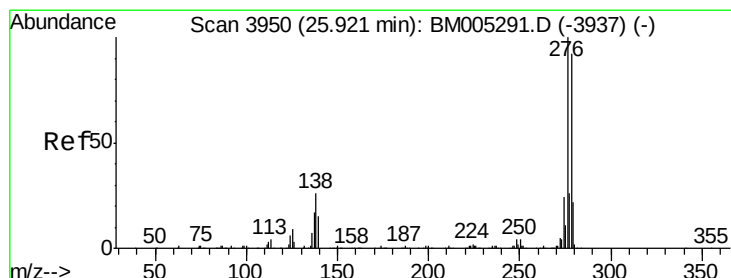
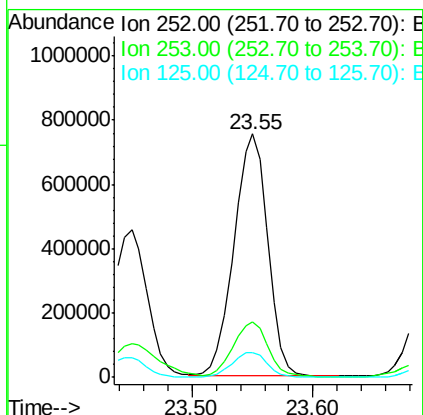
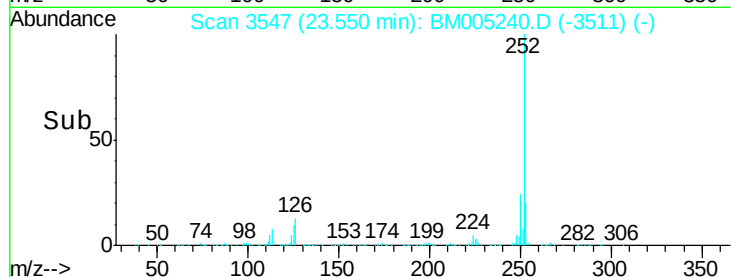
252 100

253 23.0 17.5 26.3

125 10.4 8.7 13.1

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#89

Indeno(1,2,3-cd)pyrene

Concen: 18.64 ng/ul

RT: 25.94 min Scan# 3954

Delta R.T. -0.00 min

Lab File: BM005240.D

Acq: 05 May 2016 18:26

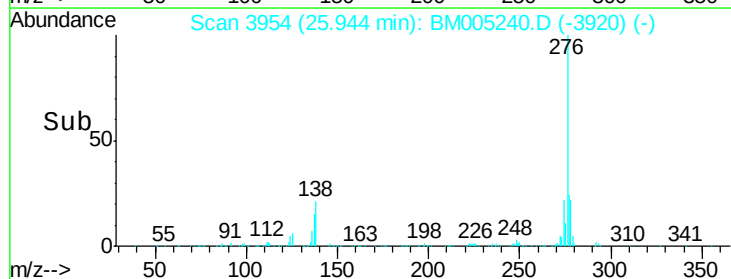
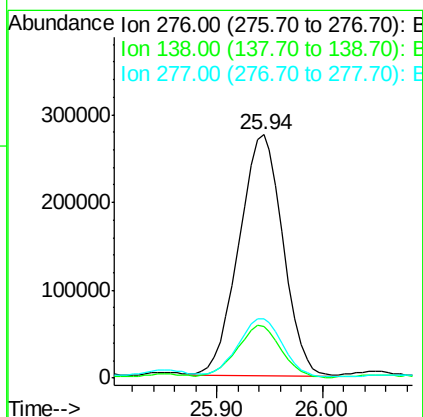
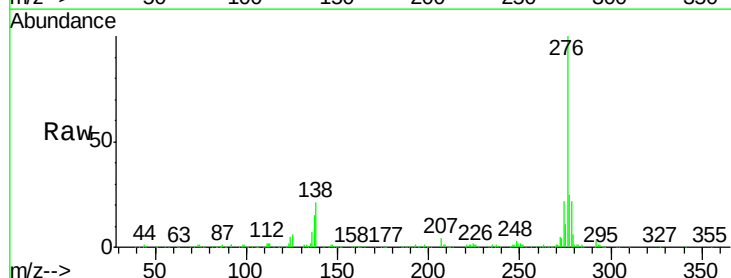
Tgt Ion:276 Resp: 795145

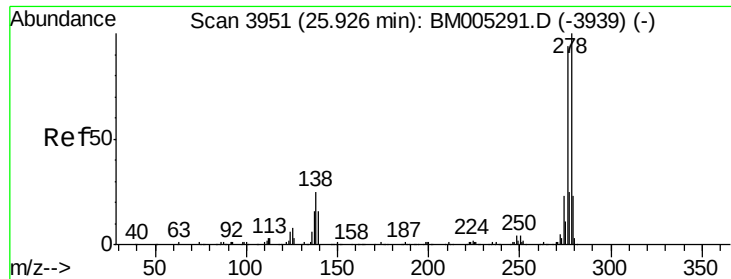
Ion Ratio Lower Upper

276 100

138 21.1 21.0 31.6

277 24.5 19.9 29.9





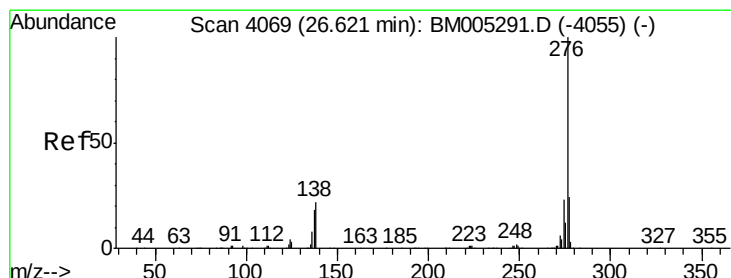
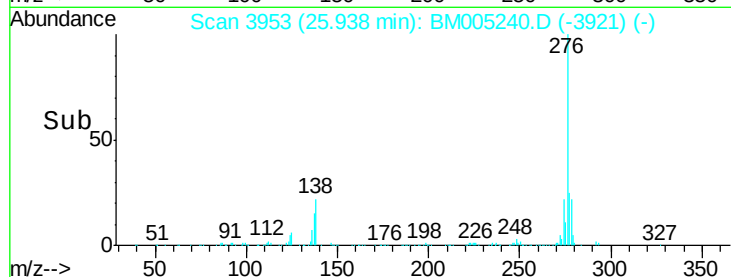
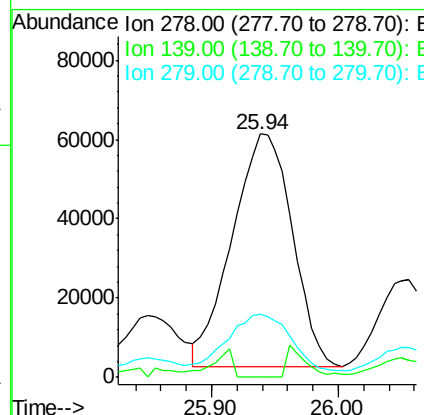
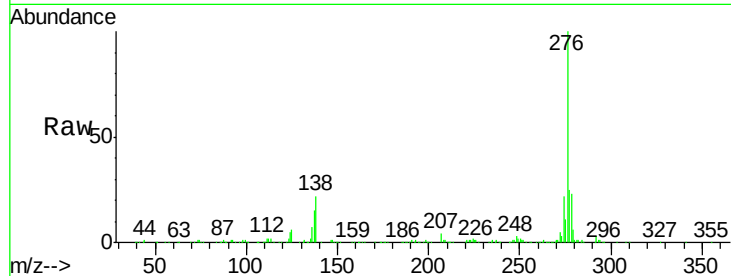
#90
Dibenzo(a,h)anthracene
Concen: 5.41 ng/ul
RT: 25.94 min Scan# 3953
Delta R.T. -0.01 min
Lab File: BM005240.D
Acq: 05 May 2016 18:26

Instrument :
BNA_M
ClientSampleId :
BD3D0ME

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.8	20.6#
279	25.7	18.9	28.3

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#91
Benzo(g,h,i)perylene
Concen: 18.77 ng/ul
RT: 26.66 min Scan# 4075
Delta R.T. 0.01 min
Lab File: BM005240.D
Acq: 05 May 2016 18:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.1	18.2	27.4
277	24.2	19.4	29.2

