

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
 Data File : BM014399.D
 Acq On : 28 Feb 2018 12:12
 Operator : SJ/JU
 Sample : J1646-13
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5X7

Manual Integrations
 APPROVED

Sohil
 3/1/2018 5:14:26 PM

Quant Time: Feb 28 16:26:22 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 28 12:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	111533	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	464946	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	260083	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	578474	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	568996	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	546547	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	10111	3.88	ng/uL	0.00
5) Phenol-d5	6.72	99	226284	24.01	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	139227	24.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	193252	26.74	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	172823	20.95	ng/ul	0.00
19) Nitrobenzene-d5	8.68	128	97015	28.24	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	110642	31.11	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.94	165	189513m	25.73	ng/ul	0.01
29) 4-Chloroaniline-d4	10.45	131	159003m	21.91	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	606447	28.24	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	779323	29.42	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	69238m	23.35	ng/ul	0.02
57) Fluorene-d10	15.18	176	517964	26.92	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	34234	9.87	ng/ul	0.01
70) Anthracene-d10	17.04	188	775257	27.78	ng/ul	0.00
76) Pyrene-d10	19.35	212	831239	28.32	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.20	264	717089	26.96	ng/ul	0.01

Target Compounds

					Ovalue	
6) Phenol	6.75	94	27932	2.824	ng/ul	91
28) Naphthalene	10.34	128	74409	3.116	ng/ul	96
44) Dimethylphthalate	13.65	163	161644	7.632	ng/ul	99
47) Acenaphthylene	13.90	152	86447	3.453	ng/ul#	93
49) Acenaphthene	14.24	153	44591	2.530	ng/ul	99
53) Dibenzofuran	14.59	168	35882	1.358	ng/ul	97
58) Fluorene	15.24	166	48424	2.122	ng/ul#	97
69) Phenanthrene	16.98	178	1162549	34.881	ng/ul	99
71) Anthracene	17.07	178	271686	8.105	ng/ul	99
72) Carbazole	17.36	167	94193	3.342	ng/ul	96
74) Fluoranthene	19.02	202	2108047	52.940	ng/ul#	94
77) Pyrene	19.38	202	1847158	48.849	ng/ul#	93
80) Benzo(a)anthracene	21.14	228	978787	27.563	ng/ul	98
82) Chrysene	21.19	228	831881	25.112	ng/ul	97
85) Benzo(b)fluoranthene	22.69	252	1109755	30.325	ng/ul#	98
86) Benzo(k)fluoranthene	22.72	252	289236m	8.313	ng/ul	
88) Benzo(a)pyrene	23.24	252	756186	23.123	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.49	276	478839	15.090	ng/ul	98
90) Dibenzo(a,h)anthracene	25.50	278	139545	5.292	ng/ul#	84
91) Benzo(g,h,i)perylene	26.16	276	341986	13.303	ng/ul#	93

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

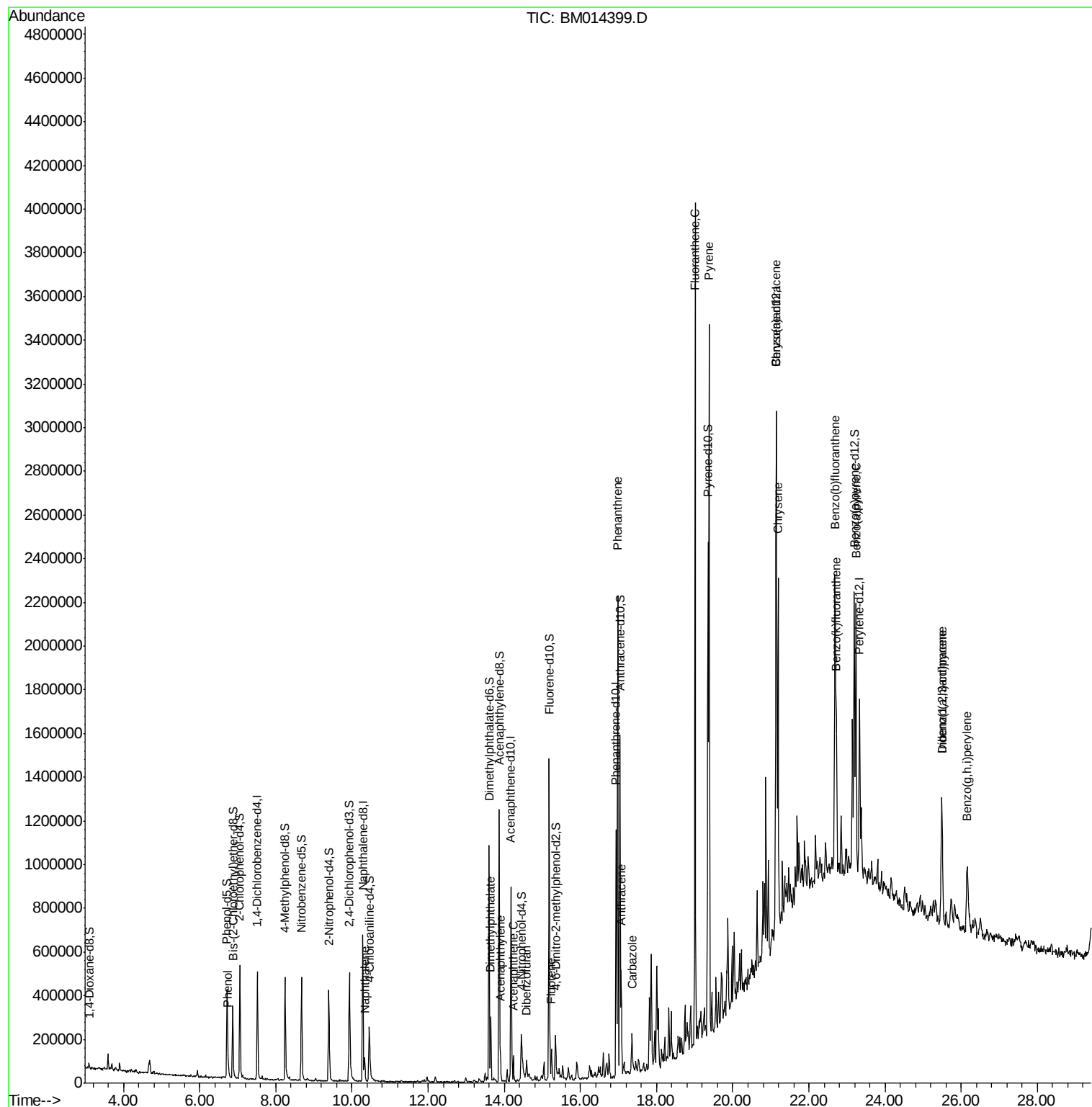
Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
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Acq On : 28 Feb 2018 12:12
Operator : SJ/JU
Sample : J1646-13
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ALS Vial : 5 Sample Multiplier: 1

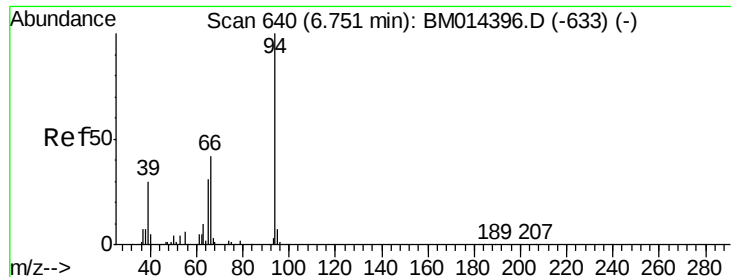
Instrument :
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 28 12:00:03 2018
Response via : Initial Calibration





#6

Phenol

Concen: 2.824 ng/ul

RT: 6.75 min Scan# 640

Delta R.T. 0.01 min

Lab File: BM014399.D

Acq: 28 Feb 2018 12:12

Instrument :

BNA_M

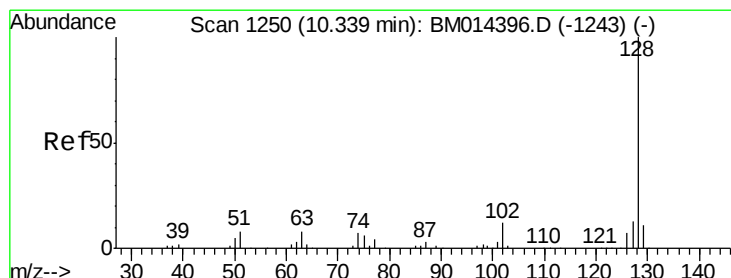
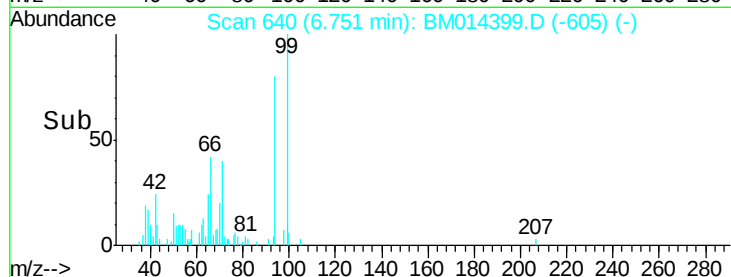
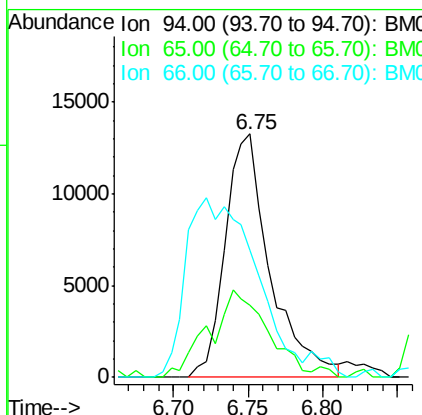
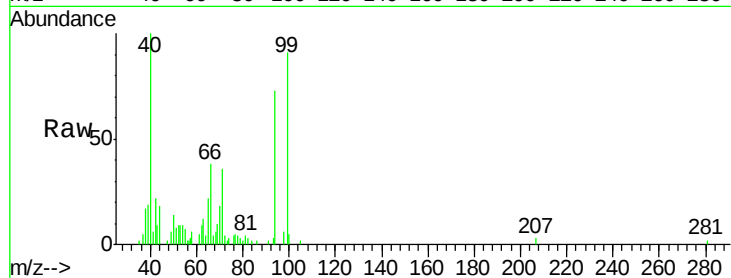
ClientSampleId :

BE5X7

Tot Ion:	94	Resp:	27932
Ion	Ratio	Lower	Upper
94	100		
65	29.6	28.2	42.4
66	52.4	47.2	70.8

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#28

Naphthalene

Concen: 3.116 ng/ul

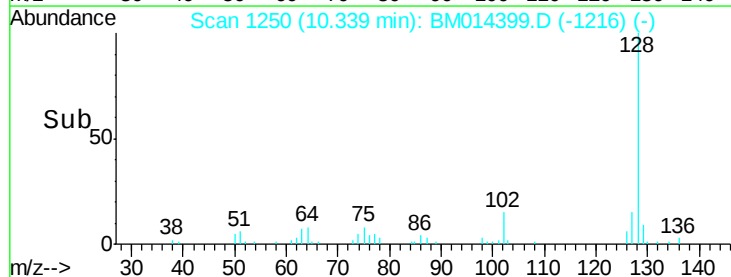
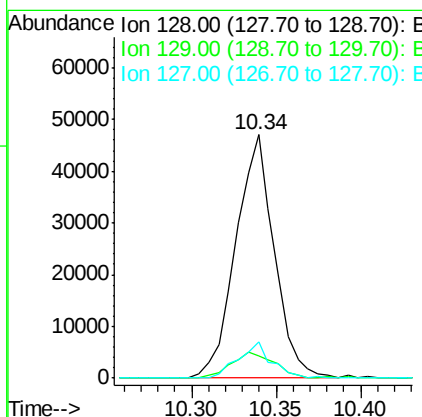
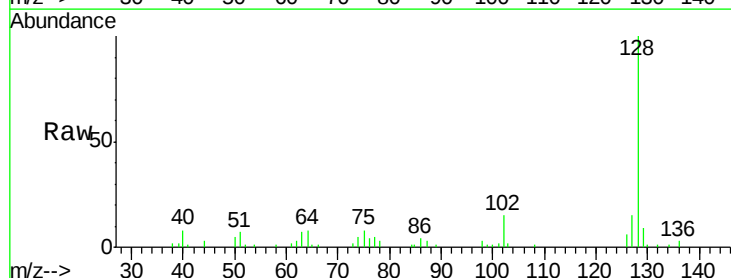
RT: 10.34 min Scan# 1250

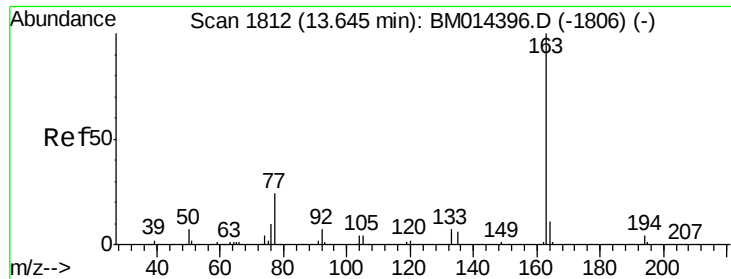
Delta R.T. -0.00 min

Lab File: BM014399.D

Acq: 28 Feb 2018 12:12

Tgt Ion:	128	Resp:	74409
Ion	Ratio	Lower	Upper
128	100		
129	9.4	8.8	13.2
127	14.8	10.6	16.0





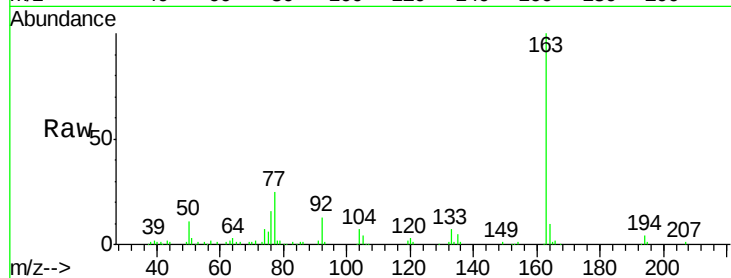
#44
Dimethylphthalate
Concen: 7.632 ng/ul
RT: 13.65 min Scan# 1813
Delta R.T. 0.01 min
Lab File: BM014399.D
Acq: 28 Feb 2018 12:12

Instrument :
BNA_M
ClientSampled :
BE5X7

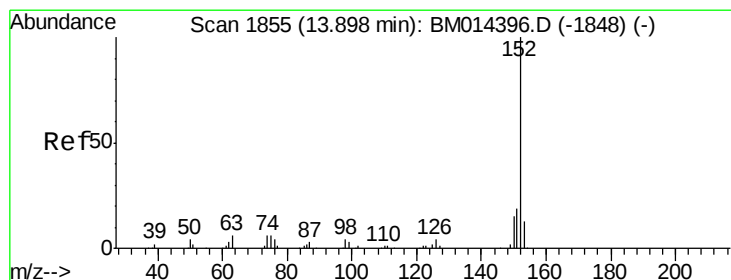
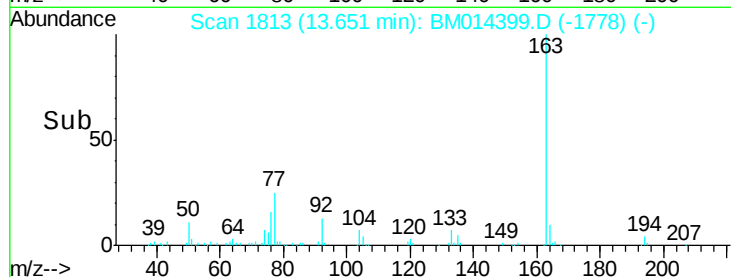
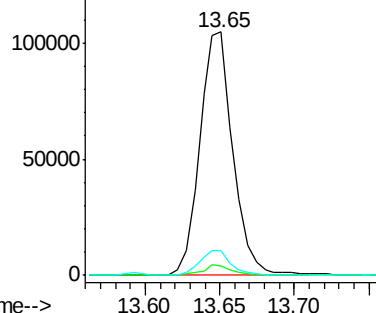
Tot Ion	Ratio	Resp	Lower	Upper
163	100	161644		
194	3.9		3.5	5.3
164	9.9		8.2	12.4

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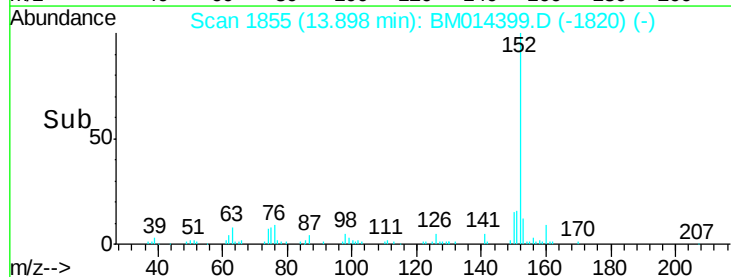
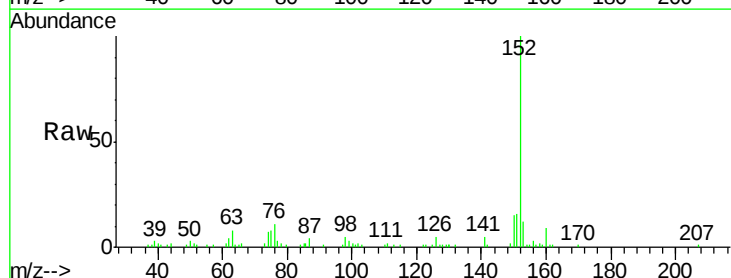
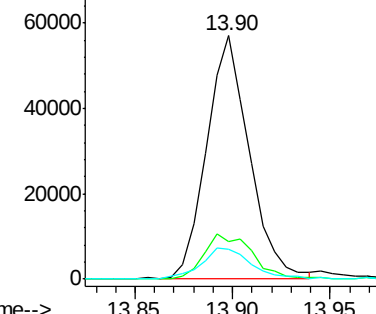
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

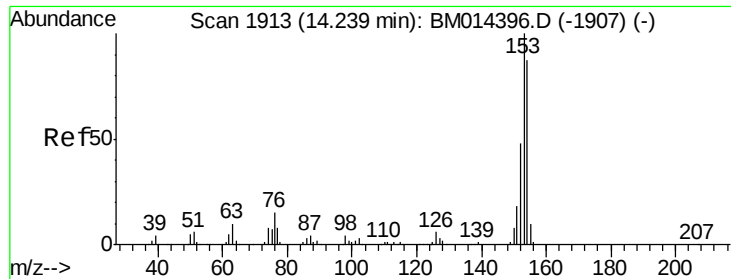


#47
Acenaphthylene
Concen: 3.453 ng/ul
RT: 13.90 min Scan# 1855
Delta R.T. 0.01 min
Lab File: BM014399.D
Acq: 28 Feb 2018 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	86447		
151	15.5		16.3	24.5#
153	12.4		10.2	15.4

Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 2.530 ng/ul

RT: 14.24 min Scan# 1913

Delta R.T. -0.00 min

Lab File: BM014399.D

Acq: 28 Feb 2018 12:12

Instrument :

BNA_M

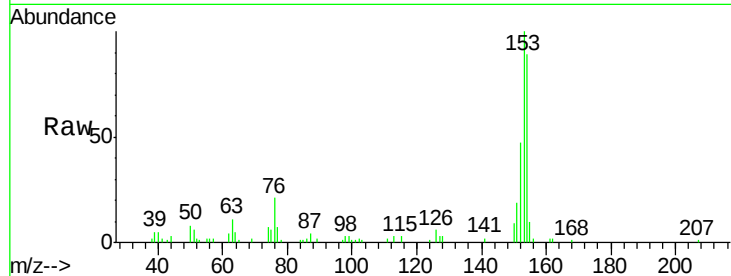
ClientSampled :

BE5X7

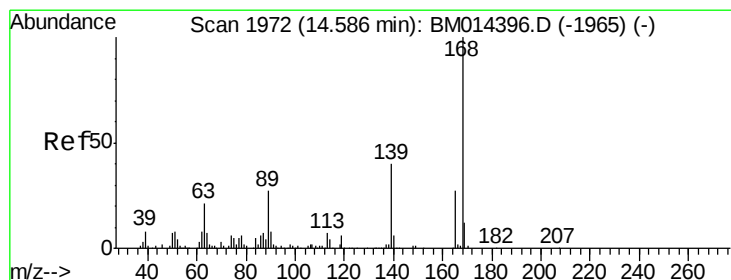
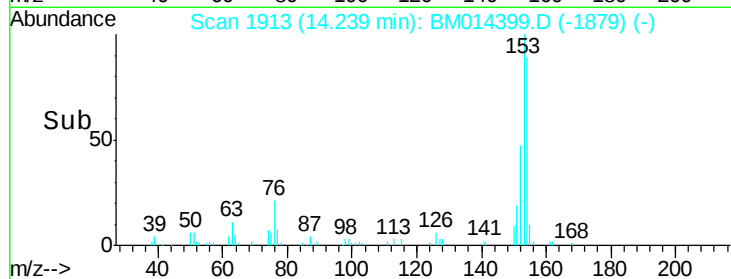
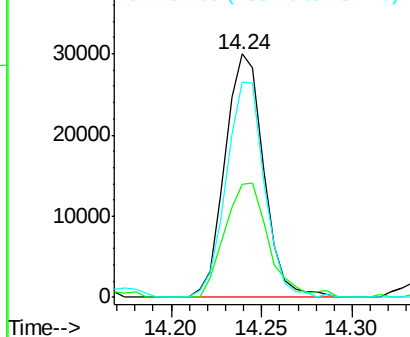
Tot Ion:	153	Resp:	44591
Ion Ratio	Lower	Upper	
153	100		
152	46.6	37.6	56.4
154	88.7	70.4	105.6

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 1.358 ng/ul

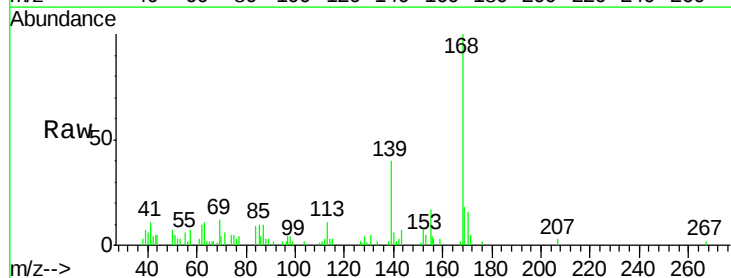
RT: 14.59 min Scan# 1972

Delta R.T. 0.01 min

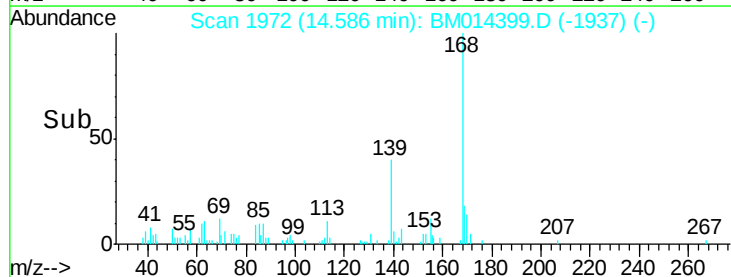
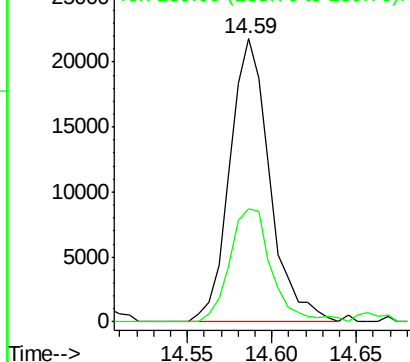
Lab File: BM014399.D

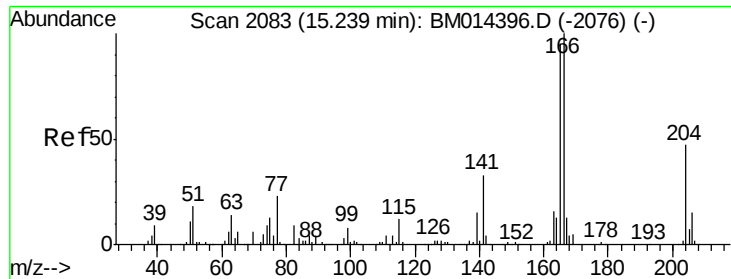
Acq: 28 Feb 2018 12:12

Tgt Ion:	168	Resp:	35882
Ion Ratio	Lower	Upper	
168	100		
139	40.0	30.8	46.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





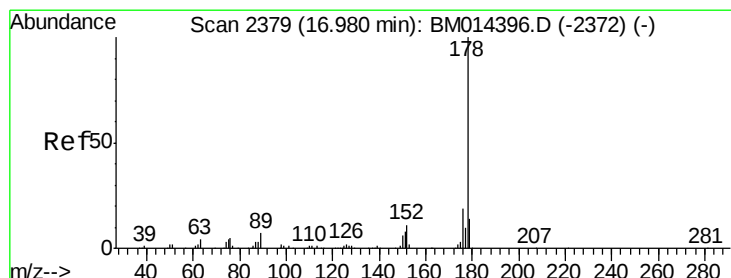
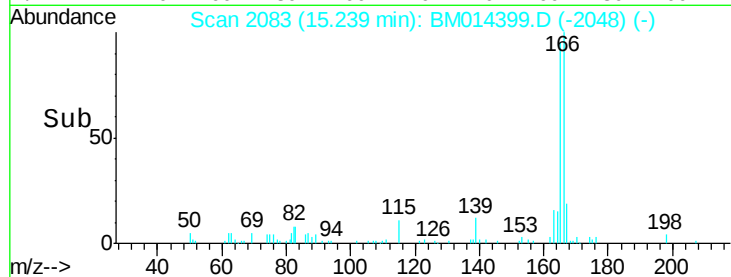
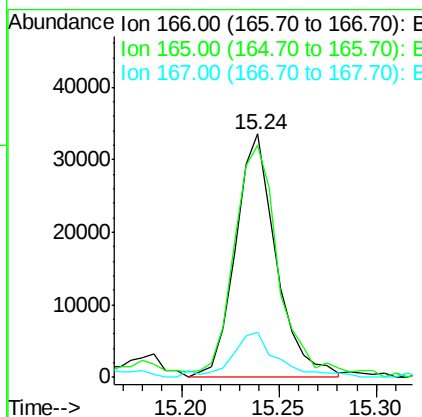
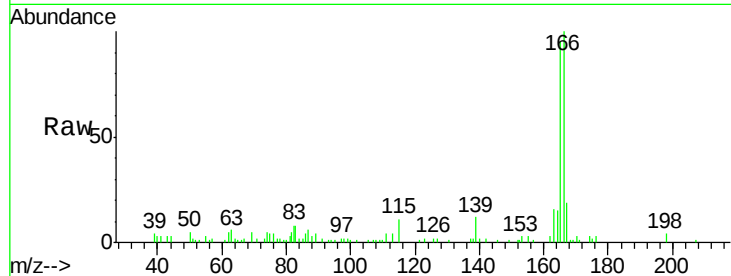
#58
 Fluorene
 Concen: 2.122 ng/ul
 RT: 15.24 min Scan# 2083
 Delta R.T. 0.01 min
 Lab File: BM014399.D
 Acq: 28 Feb 2018 12:12

Instrument :
 BNA_M
 ClientSampleId :
 BE5X7

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.5	77.9	116.9
167	18.7	10.6	16.0

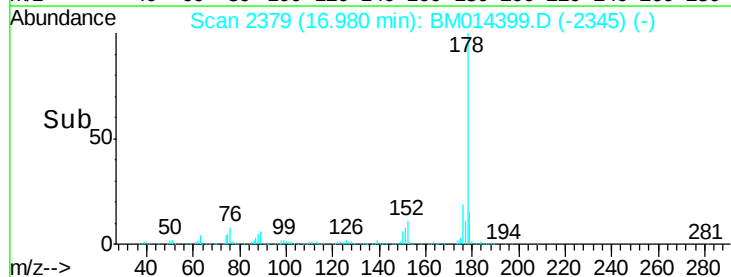
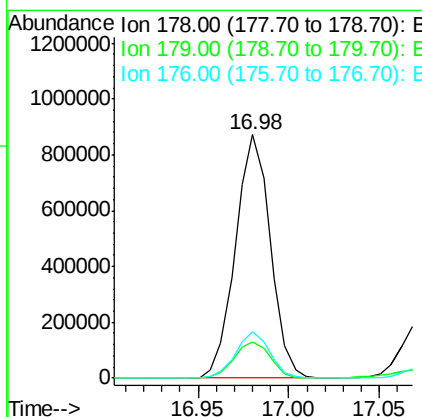
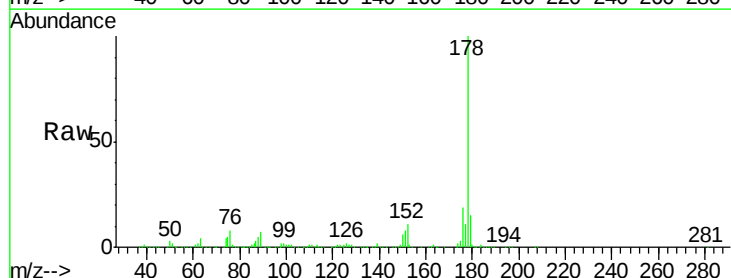
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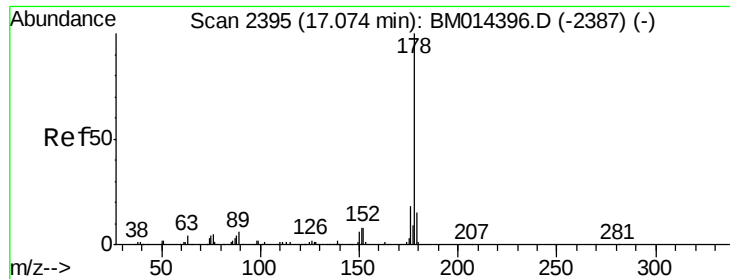
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#69
 Phenanthrene
 Concen: 34.881 ng/ul
 RT: 16.98 min Scan# 2379
 Delta R.T. -0.00 min
 Lab File: BM014399.D
 Acq: 28 Feb 2018 12:12

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.6	19.0
176	18.9	14.9	22.3





#71

Anthracene

Concen: 8.105 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. -0.00 min

Lab File: BM014399.D

Acq: 28 Feb 2018 12:12

Instrument :

BNA_M

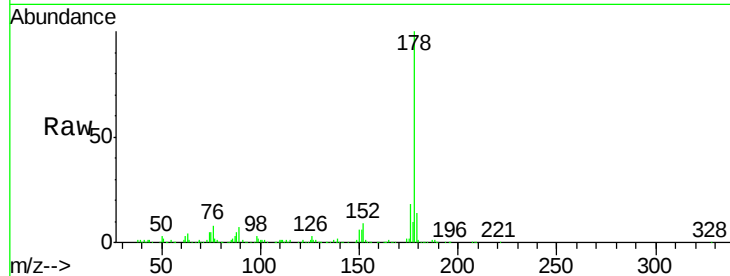
ClientSampleId :

BE5X7

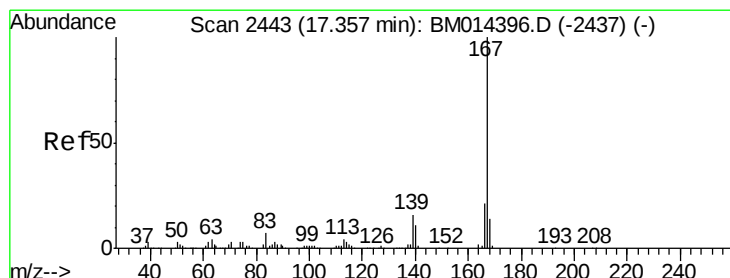
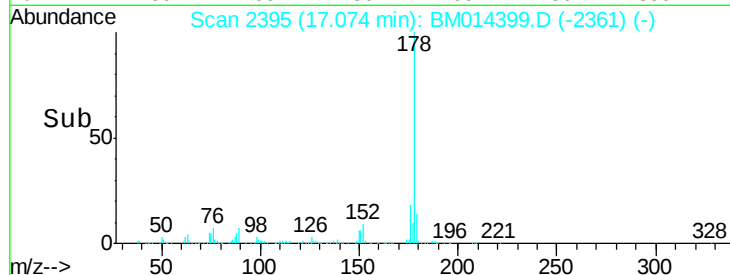
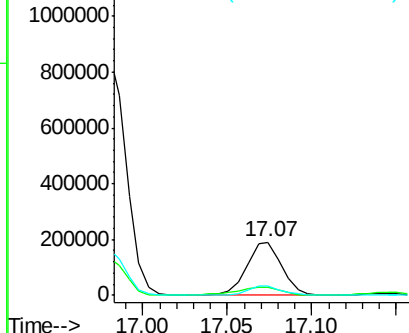
Tot Ion:	178	Resp:	271686
Ion Ratio	Lower	Upper	
178	100		
179	14.4	11.7	17.5
176	17.8	14.6	21.8

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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



#72

Carbazole

Concen: 3.342 ng/ul

RT: 17.36 min Scan# 2443

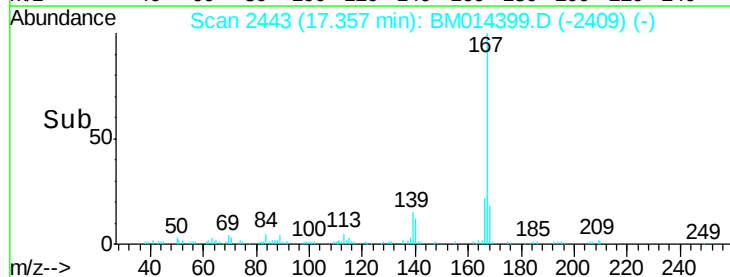
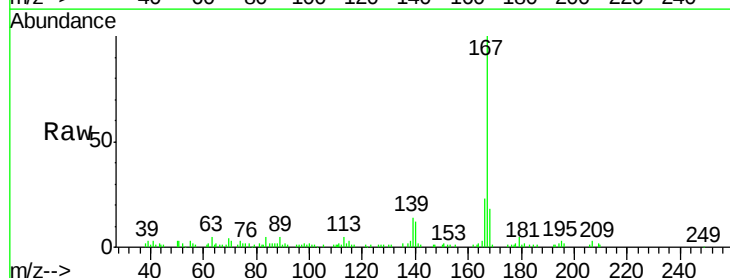
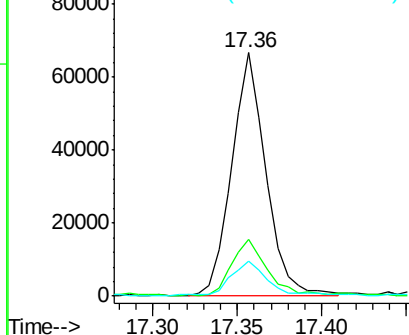
Delta R.T. -0.00 min

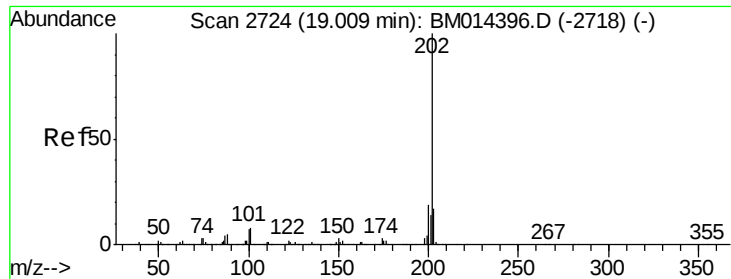
Lab File: BM014399.D

Acq: 28 Feb 2018 12:12

Tgt Ion:	167	Resp:	94193
Ion Ratio	Lower	Upper	
167	100		
166	23.1	17.1	25.7
139	14.5	10.0	15.0

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 52.940 ng/ul

RT: 19.02 min Scan# 2725

Delta R.T. 0.01 min

Lab File: BM014399.D

Acq: 28 Feb 2018 12:12

Instrument :

BNA_M

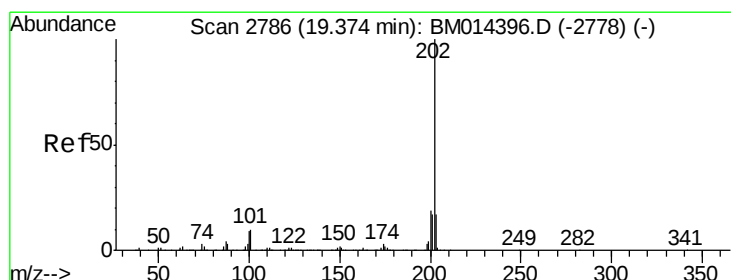
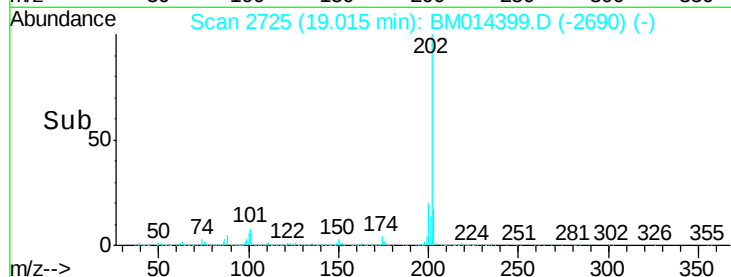
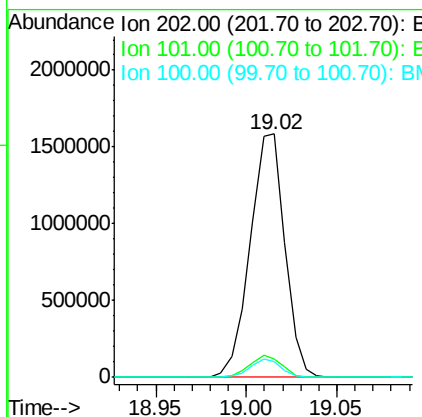
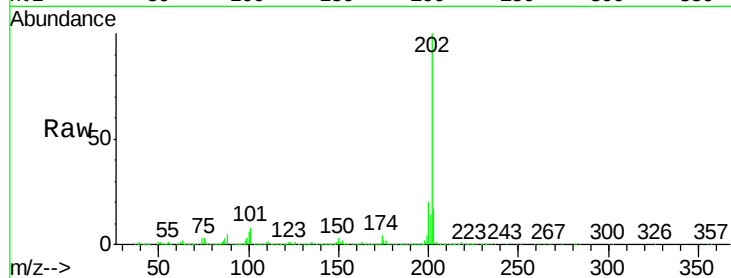
ClientSampleId :

BE5X7

Tot Ion:	202	Resp:	2108047
Ion Ratio	Lower	Upper	
202	100		
101	7.7	4.6	7.0#
100	6.3	3.4	5.2#

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#77

Pyrene

Concen: 48.849 ng/ul

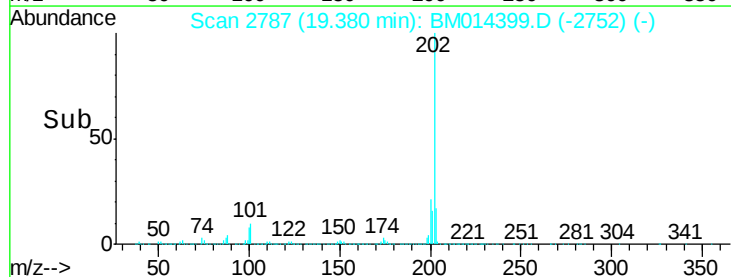
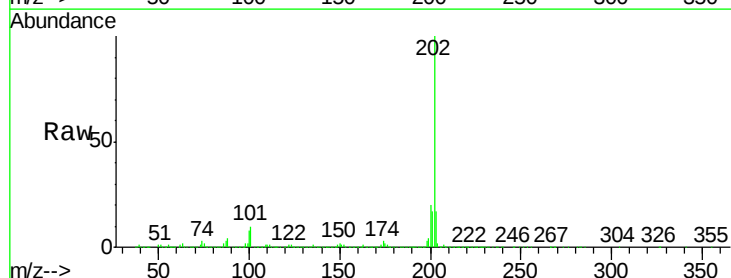
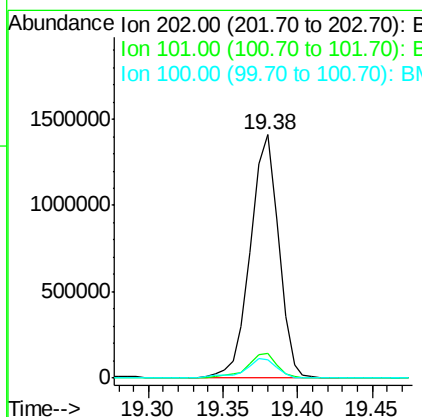
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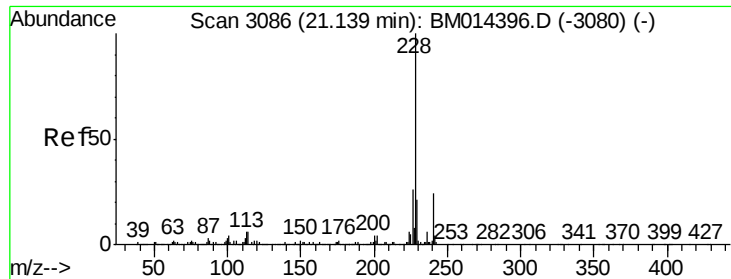
Delta R.T. 0.01 min

Lab File: BM014399.D

Acq: 28 Feb 2018 12:12

Tgt Ion:	202	Resp:	1847158
Ion Ratio	Lower	Upper	
202	100		
101	9.9	5.1	7.7#
100	7.6	4.9	7.3#





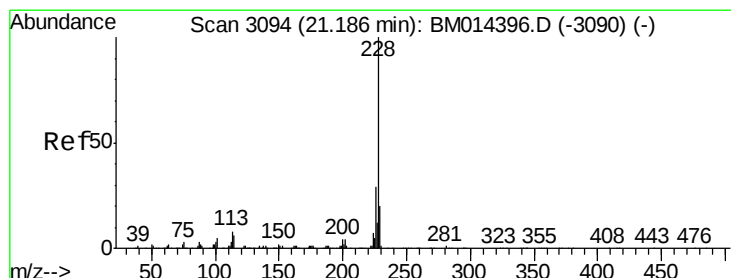
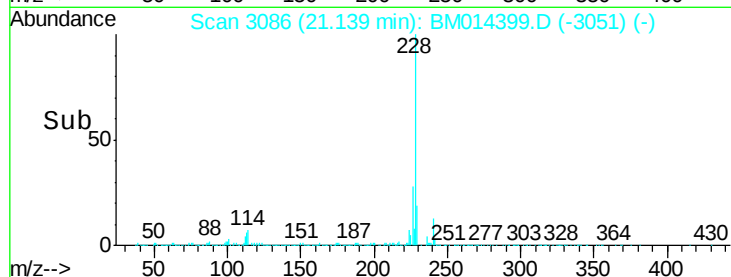
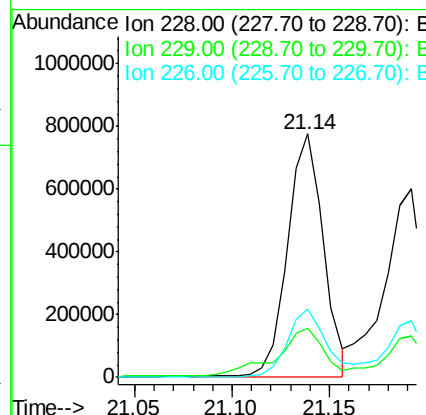
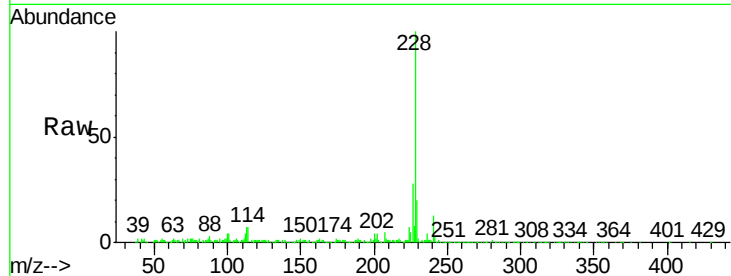
#80
Benzo(a)anthracene
Concen: 27.563 ng/ul
RT: 21.14 min Scan# 3086
Delta R.T. 0.01 min
Lab File: BM014399.D
Acq: 28 Feb 2018 12:12

Instrument :
BNA_M
ClientSampled :
BE5X7

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.0	15.4	23.0
226	27.9	21.4	32.0

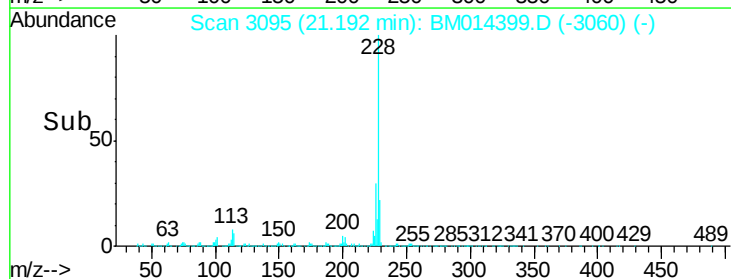
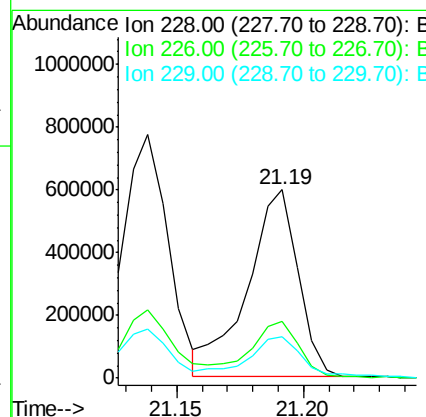
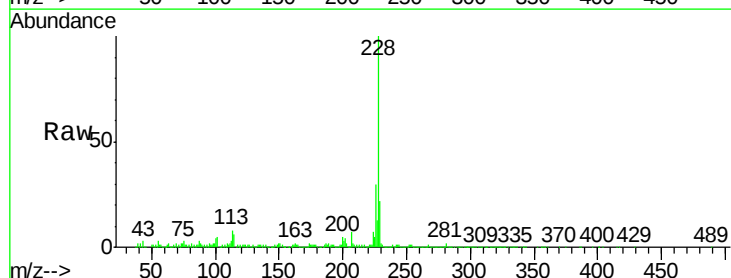
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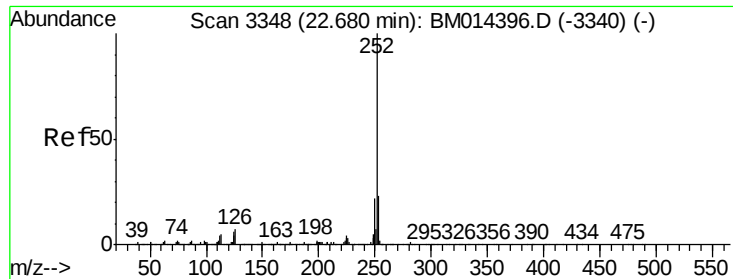
Sohil
3/1/2018 5:14:26 PM



#82
Chrysene
Concen: 25.112 ng/ul
RT: 21.19 min Scan# 3095
Delta R.T. 0.01 min
Lab File: BM014399.D
Acq: 28 Feb 2018 12:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.4	35.2
229	22.1	15.5	23.3





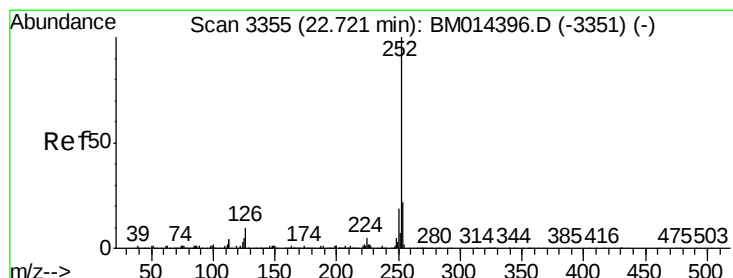
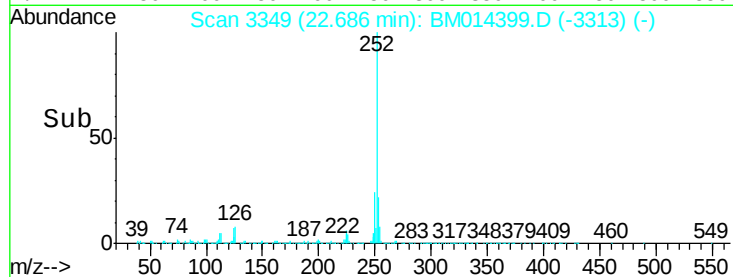
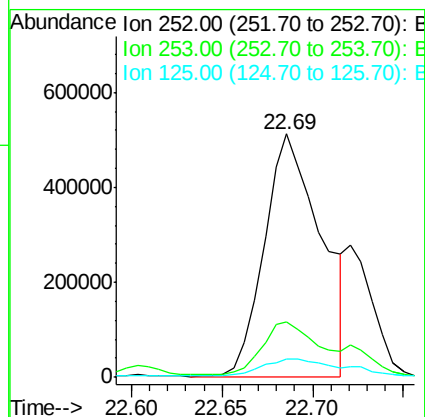
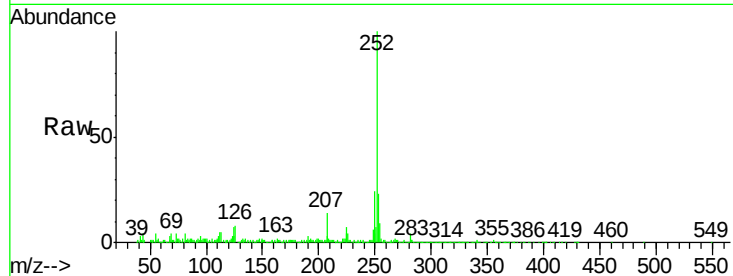
#85
Benzo(b)fluoranthene
Concen: 30.325 ng/ul
RT: 22.69 min Scan# 3349
Delta R.T. 0.01 min
Lab File: BM014399.D
Acq: 28 Feb 2018 12:12

Instrument :
BNA_M
ClientSampled :
BE5X7

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	7.4	3.6	5.4

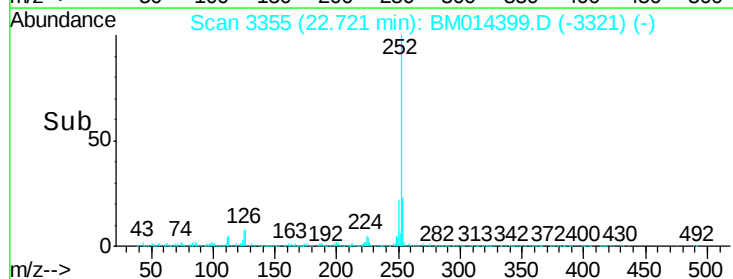
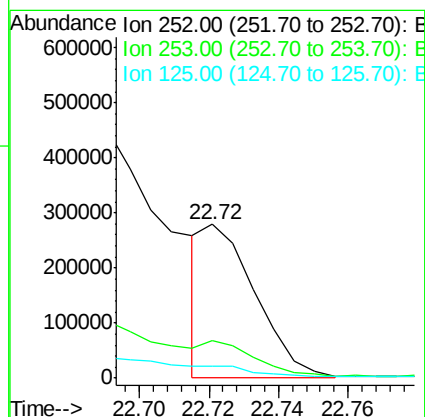
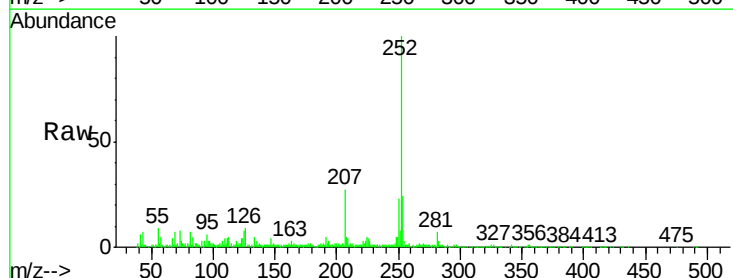
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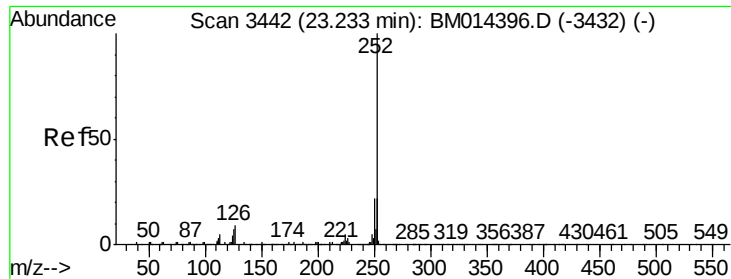
Sohil
3/1/2018 5:14:26 PM



#86
Benzo(k)fluoranthene
Concen: 8.313 ng/ul m
RT: 22.72 min Scan# 3355
Delta R.T. -0.00 min
Lab File: BM014399.D
Acq: 28 Feb 2018 12:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	8.0	3.4	5.2





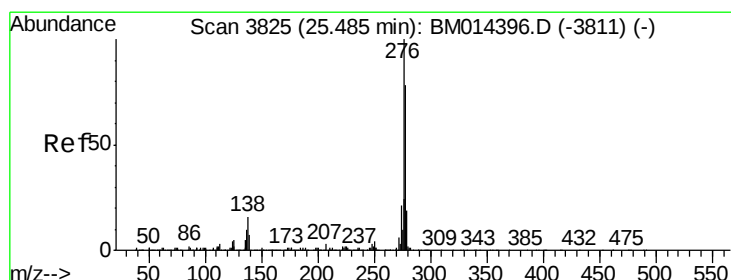
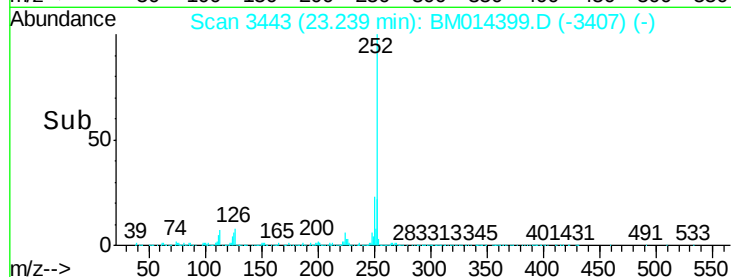
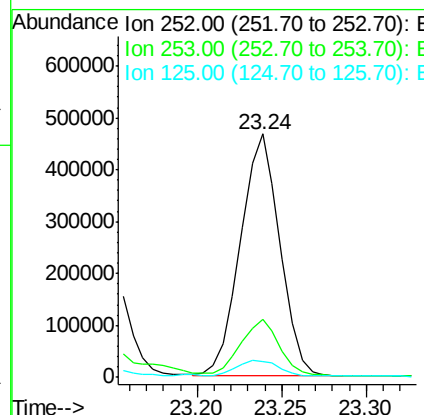
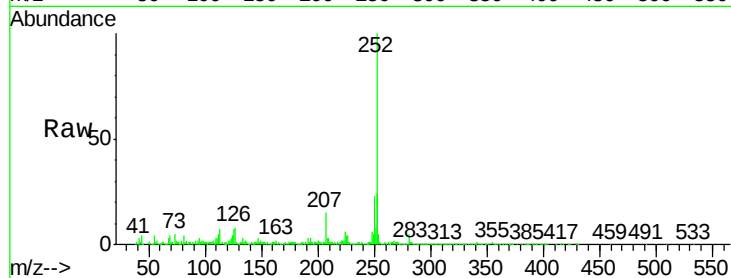
#88
Benzo(a)pyrene
Concen: 23.123 ng/ul
RT: 23.24 min Scan# 3443
Delta R.T. 0.01 min
Lab File: BM014399.D
Acq: 28 Feb 2018 12:12

Instrument :
BNA_M
ClientSampleId :
BE5X7

Tot Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.8	18.2	27.2
125	6.6	4.0	6.0

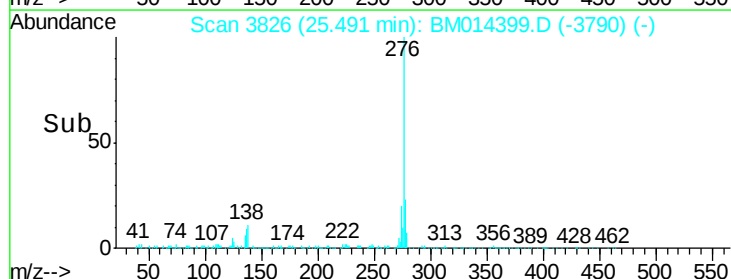
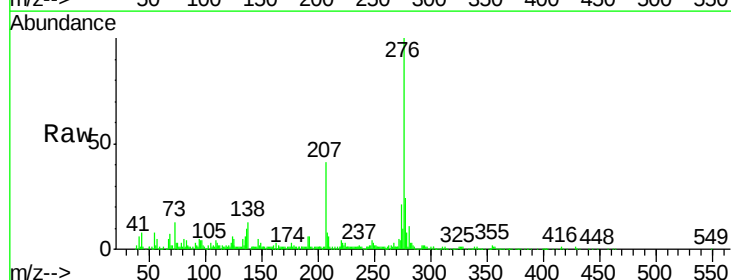
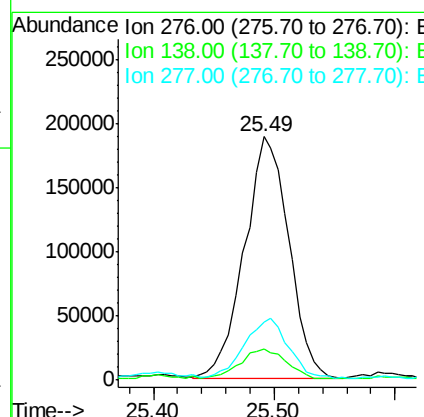
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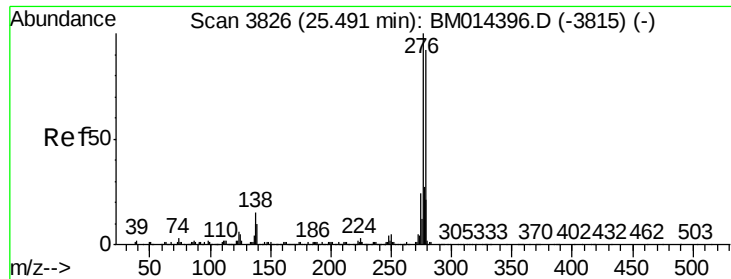
Sohil
3/1/2018 5:14:26 PM



#89
Indeno(1,2,3-cd)pyrene
Concen: 15.090 ng/ul
RT: 25.49 min Scan# 3826
Delta R.T. 0.01 min
Lab File: BM014399.D
Acq: 28 Feb 2018 12:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	12.6	9.3	13.9
277	24.0	19.9	29.9





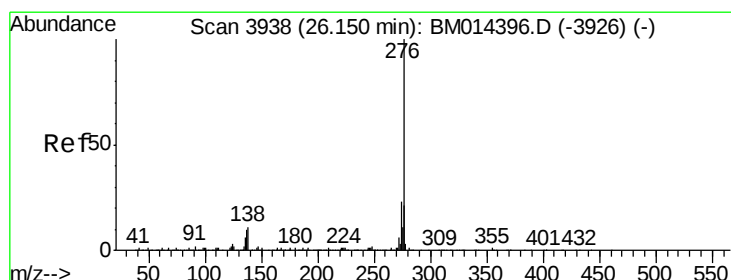
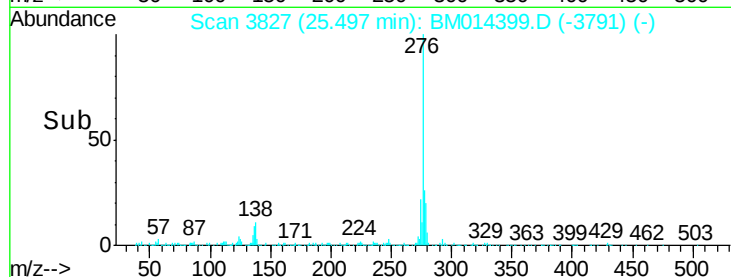
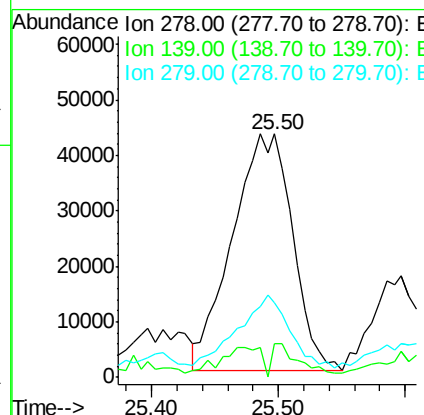
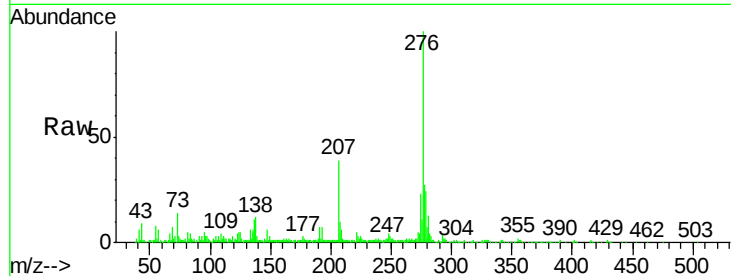
#90
Dibenzo(a,h)anthracene
Concen: 5.292 ng/ul
RT: 25.50 min Scan# 3827
Delta R.T. 0.01 min
Lab File: BM014399.D
Acq: 28 Feb 2018 12:12

Instrument :
BNA_M
ClientSampled :
BE5X7

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.7	5.8	8.8#
279	30.5	18.6	27.8#

Manual Integrations
APPROVED

Sohil
3/1/2018 5:14:26 PM



#91
Benzo(g,h,i)perylene
Concen: 13.303 ng/ul
RT: 26.16 min Scan# 3939
Delta R.T. 0.01 min
Lab File: BM014399.D
Acq: 28 Feb 2018 12:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.8	8.5	12.7#
277	25.9	18.6	28.0

