

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
 Data File : BM020403.D
 Acq On : 18 May 2019 16:01
 Operator : JU/SJ
 Sample : K2604-04MEDL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GAJ78MEDL

Manual Integrations
 APPROVED

mohammad
 5/20/2019 2:48:03 PM

Quant Time: May 20 08:02:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat May 18 05:13:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	67370	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	246047	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.38	164	149292	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.13	188	369435	20.00	ng/ul	0.00
77) Chrysene-d12	21.33	240	402748	20.00	ng/ul	0.00
85) Perylene-d12	23.60	264	458781	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	2100	1.15	ng/uL	0.00
5) Phenol-d5	6.90	99	23439	4.36	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.07	67	17453m	5.11	ng/ul	0.00
9) 2-Chlorophenol-d4	7.26	132	20253m	5.14	ng/ul	0.00
13) 4-Methylphenol-d8	8.44	113	15029	3.84	ng/ul	0.00
19) Nitrobenzene-d5	8.90	128	7458	4.66	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	7258m	4.11	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	16488	4.42	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	12472m	3.23	ng/ul	0.02
43) Dimethylphthalate-d6	13.79	166	65090	6.06	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	79984	5.95	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	1617m	1.04	ng/ul	0.02
57) Fluorene-d10	15.37	176	61795	6.47	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.50	200	3415	1.62	ng/ul	0.00
70) Anthracene-d10	17.23	188	90717	5.73	ng/ul	0.00
78) Pyrene-d10	19.53	212	116582	6.01	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.45	264	121963	5.85	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.57	128	56323	4.982	ng/ul	98
34) 2-Methylnaphthalene	12.19	142	222876	27.230	ng/ul	99
47) Acenaphthylene	14.10	152	169391	13.370	ng/ul	98
49) Acenaphthene	14.44	153	20209	2.320	ng/ul	97
53) Dibenzofuran	14.78	168	40598	3.078	ng/ul	99
58) Fluorene	15.43	166	115119	10.895	ng/ul	100
69) Phenanthrene	17.17	178	626288	35.579	ng/ul	99
71) Anthracene	17.26	178	122739	6.855	ng/ul	98
76) Fluoranthene	19.19	202	426881	19.198	ng/ul	99
79) Pyrene	19.56	202	631258	26.113	ng/ul	98
82) Benzo(a)anthracene	21.31	228	234878	9.689	ng/ul	96
84) Chrysene	21.36	228	228695	9.872	ng/ul	98
87) Benzo(b)fluoranthene	22.91	252	242728	9.270	ng/ul	97
88) Benzo(k)fluoranthene	22.95	252	62240m	2.420	ng/ul	
90) Benzo(a)pyrene	23.49	252	211684	8.591	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.89	276	111960	3.987	ng/ul#	95
92) Dibenzo(a,h)anthracene	25.90	278	32908	1.371	ng/ul#	91
93) Benzo(g,h,i)perylene	26.60	276	97801	4.208	ng/ul	97

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

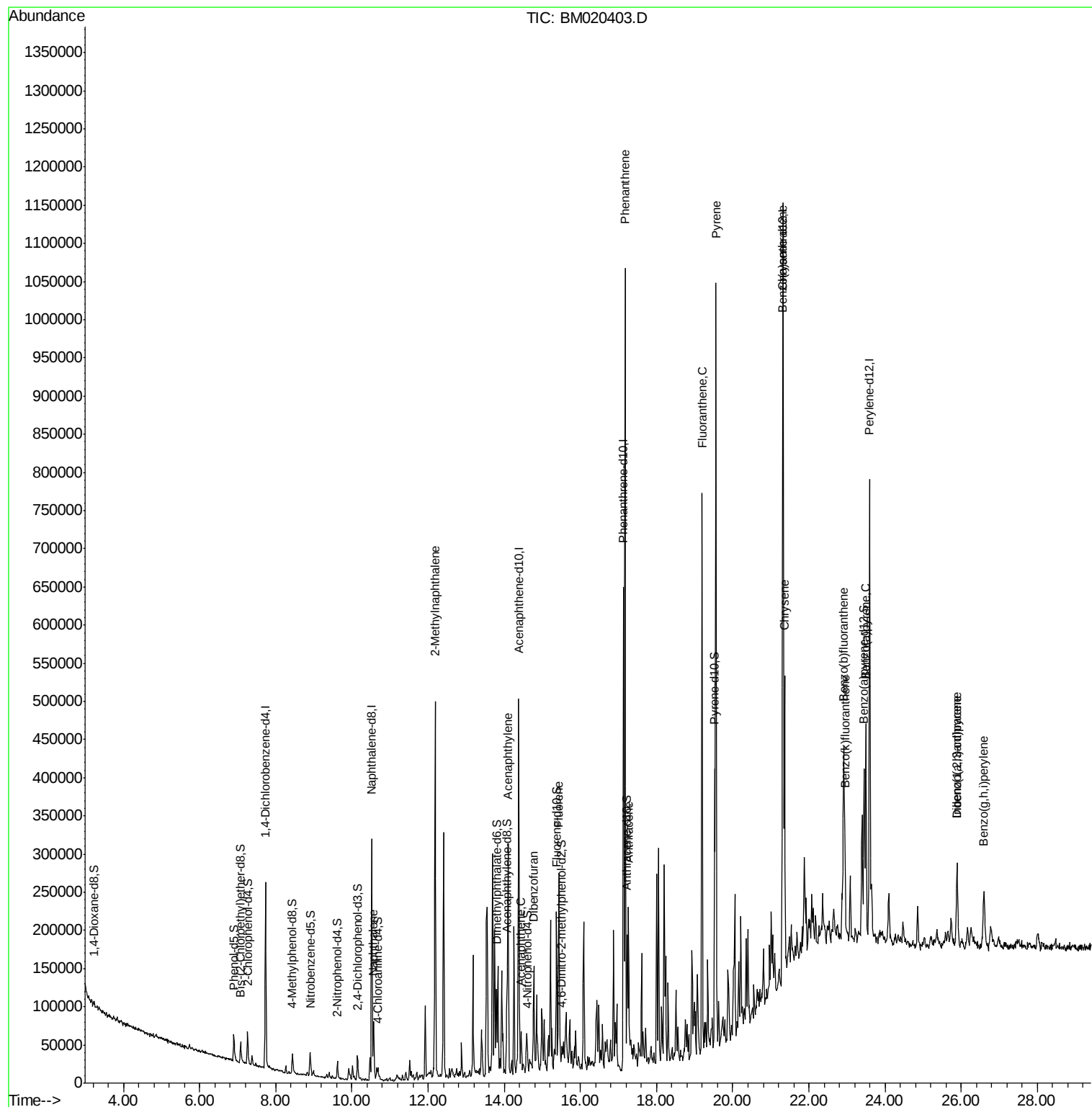
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020403.D
Acq On : 18 May 2019 16:01
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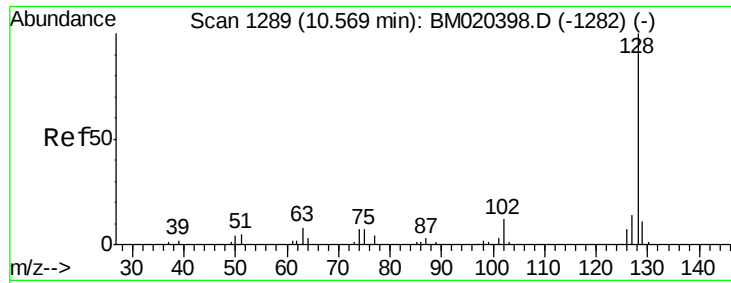
Instrument :
BNA_M
ClientSampleId :
GAJ78MEDL

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Quant Time: May 20 08:02:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
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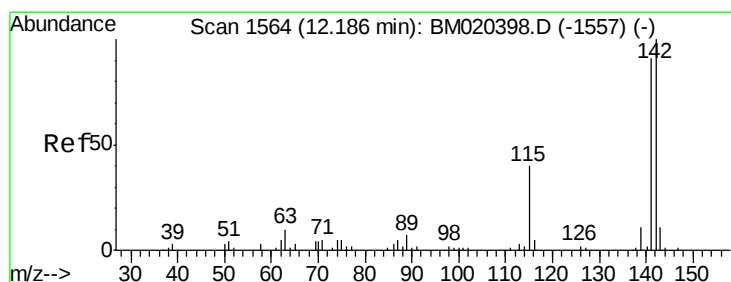
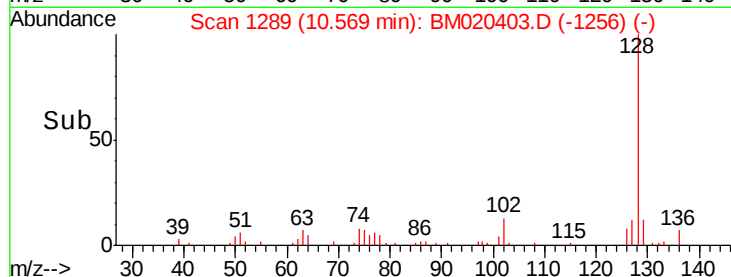
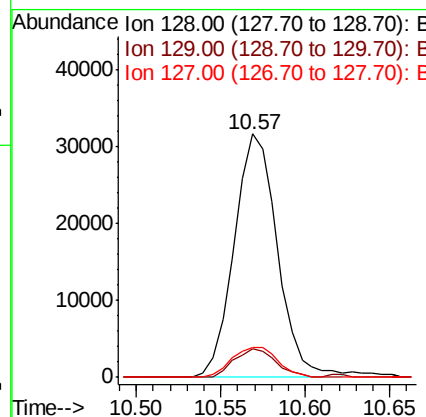
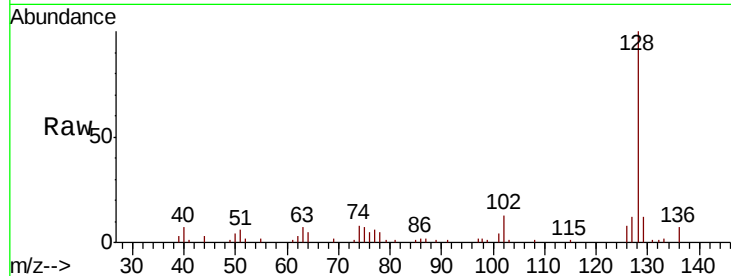
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Naphthalene
Concen: 4.982 ng/ul
RT: 10.57 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BM020403.D
Acq: 18 May 2019 16:01

Instrument :
BNA_M
ClientSampleId :
GAJ78MEDL

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.6	13.0
127	12.4	10.6	15.8

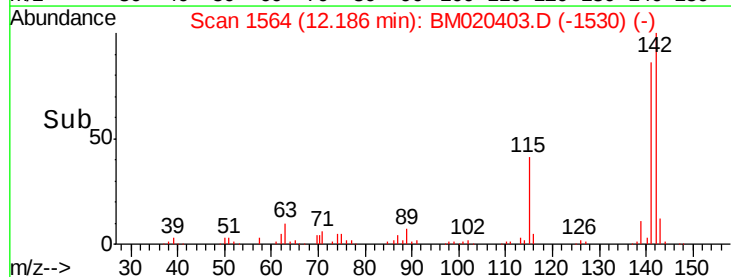
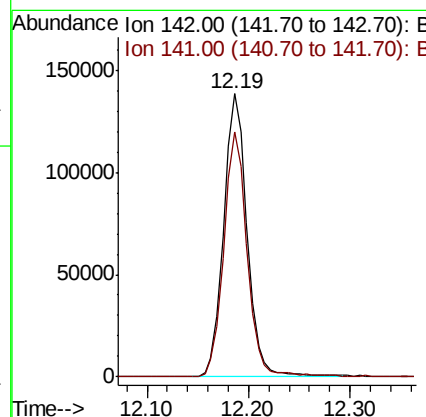
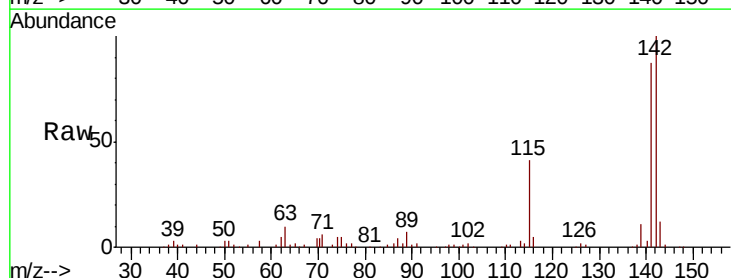
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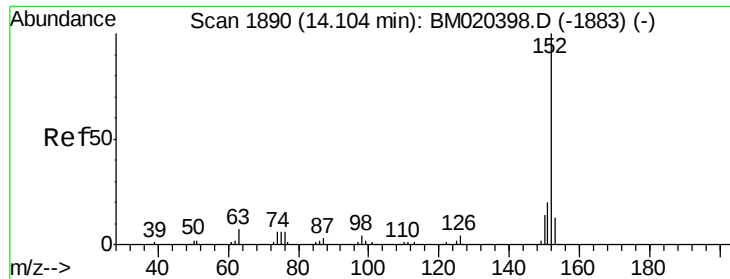
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#34
2-Methylnaphthalene
Concen: 27.230 ng/ul
RT: 12.19 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BM020403.D
Acq: 18 May 2019 16:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.6	68.6	102.8





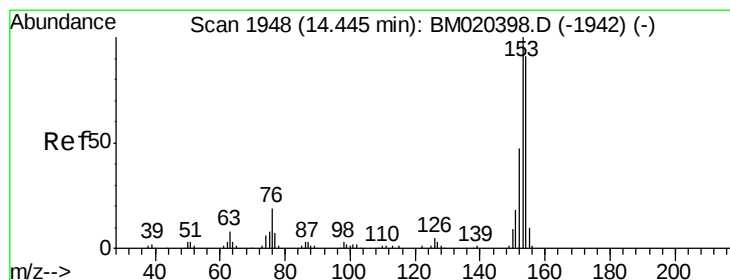
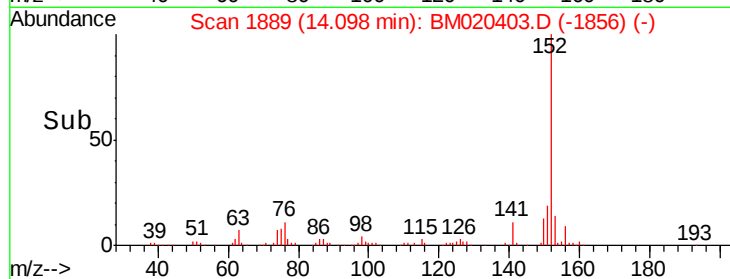
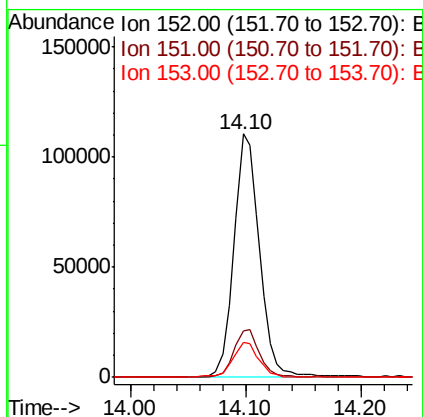
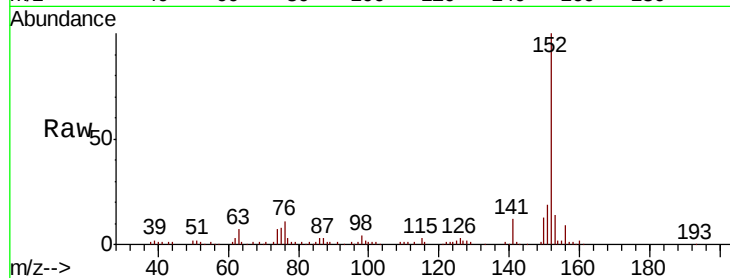
#47
Acenaphthylene
Concen: 13.370 ng/ul
RT: 14.10 min Scan# 1889
Delta R.T. -0.01 min
Lab File: BM020403.D
Acq: 18 May 2019 16:01

Instrument :
BNA_M
ClientSampleId :
GAJ78MEDL

Tot Ion:	152	Resp:	169391
Ion Ratio	Lower	Upper	
152	100		
151	19.4	15.4	23.0
153	14.5	10.3	15.5

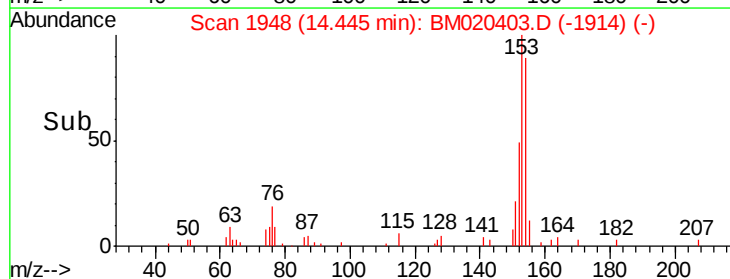
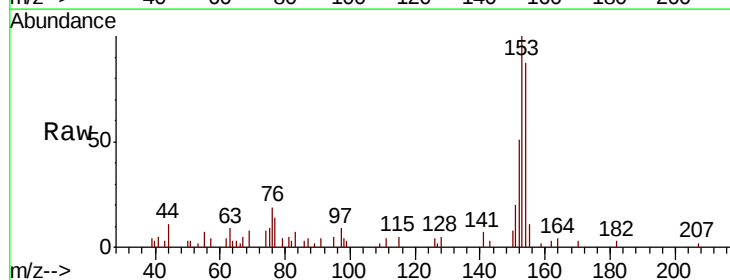
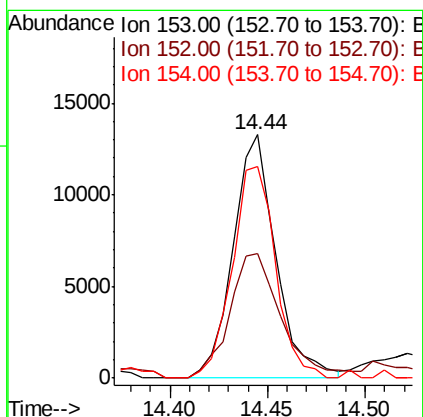
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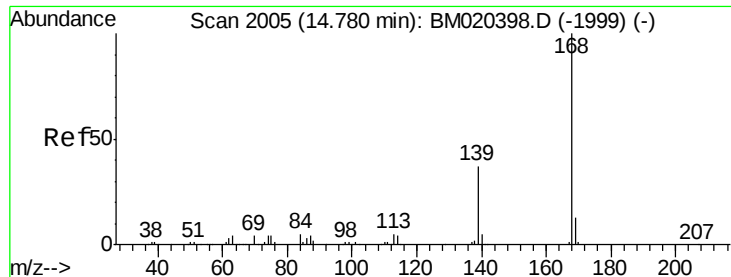
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#49
Acenaphthene
Concen: 2.320 ng/ul
RT: 14.44 min Scan# 1948
Delta R.T. -0.00 min
Lab File: BM020403.D
Acq: 18 May 2019 16:01

Tgt Ion:	153	Resp:	20209
Ion Ratio	Lower	Upper	
153	100		
152	51.1	37.9	56.9
154	87.1	71.2	106.8





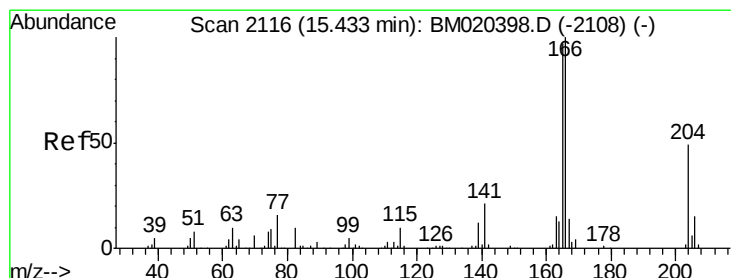
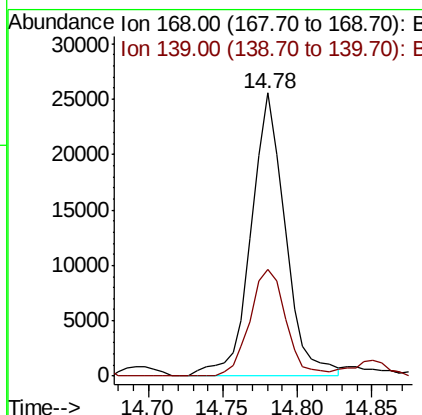
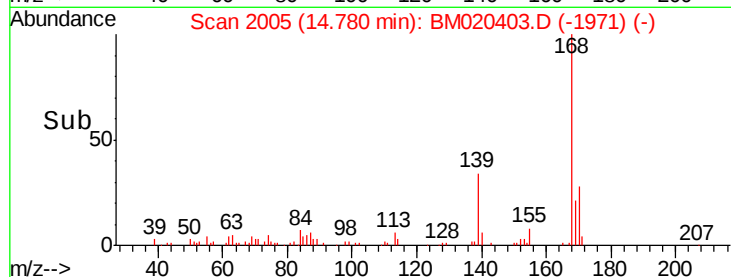
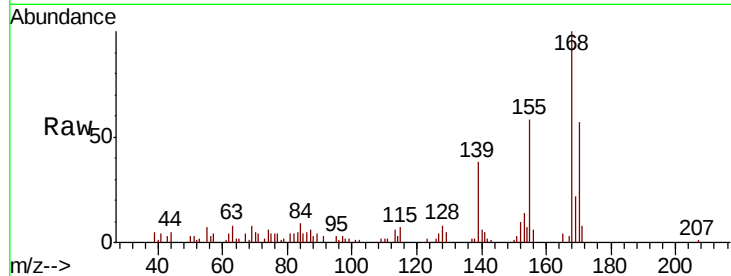
#53
Dibenzenofuran
Concen: 3.078 ng/ul
RT: 14.78 min Scan# 2005
Delta R.T. -0.00 min
Lab File: BM020403.D
Acq: 18 May 2019 16:01

Instrument :
BNA_M
ClientSampleId :
GAJ78MEDL

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.9	30.1	45.1

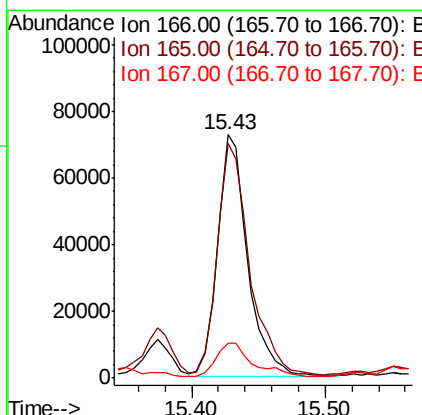
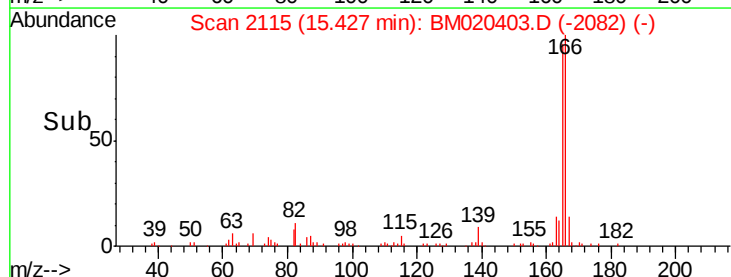
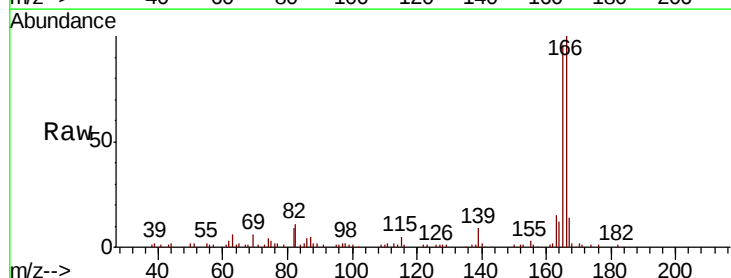
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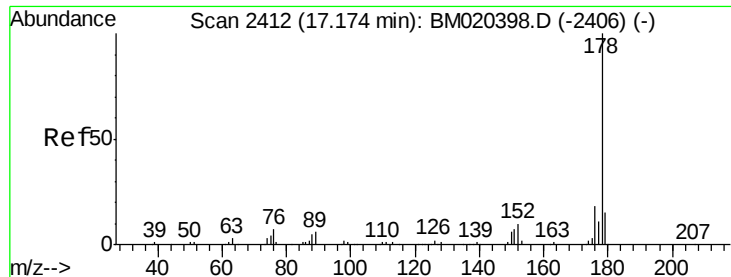
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#58
Fluorene
Concen: 10.895 ng/ul
RT: 15.43 min Scan# 2115
Delta R.T. -0.01 min
Lab File: BM020403.D
Acq: 18 May 2019 16:01

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.5	77.1	115.7
167	14.3	11.1	16.7





#69

Phenanthrene

Concen: 35.579 ng/ul

RT: 17.17 min Scan# 2412

Delta R.T. -0.00 min

Lab File: BM020403.D

Acq: 18 May 2019 16:01

Instrument :

BNA_M

ClientSampleId :

GAJ78MEDL

Tot Ion:178 Resp: 626288

Ion Ratio Lower Upper

178 100

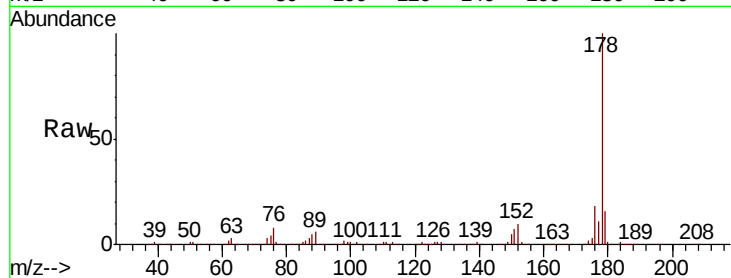
179 15.5 11.9 17.9

176 18.0 14.6 22.0

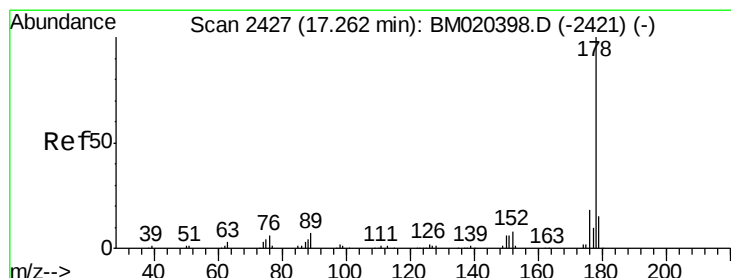
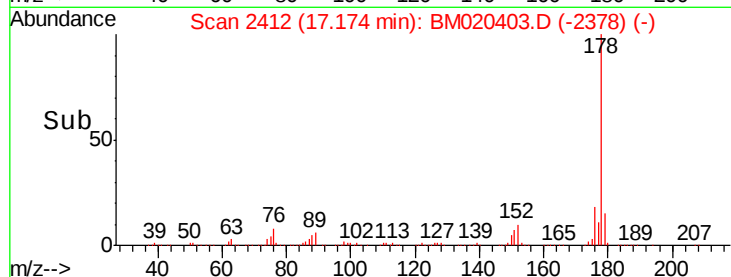
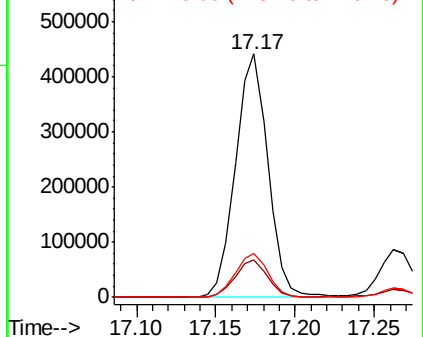
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 6.855 ng/ul

RT: 17.26 min Scan# 2427

Delta R.T. -0.01 min

Lab File: BM020403.D

Acq: 18 May 2019 16:01

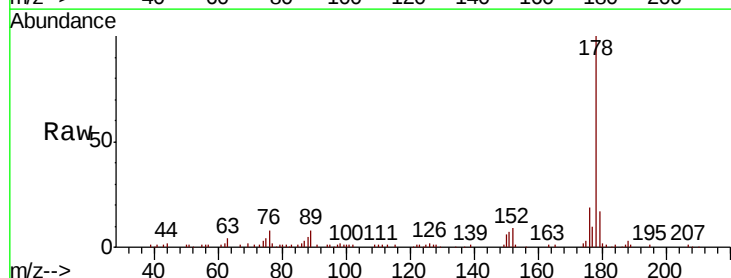
Tgt Ion:178 Resp: 122739

Ion Ratio Lower Upper

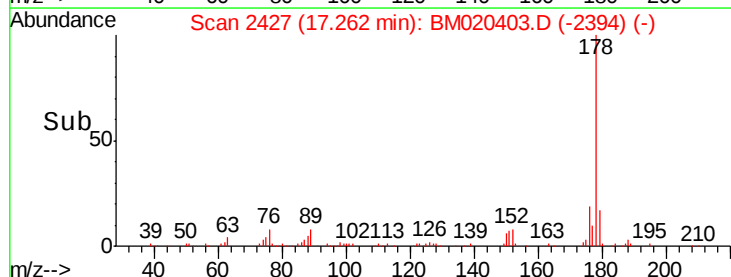
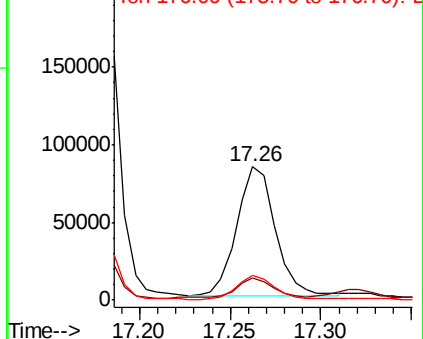
178 100

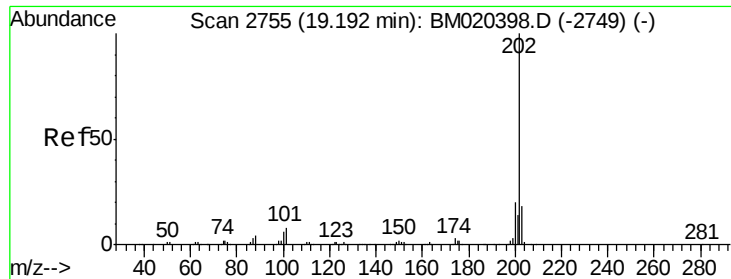
179 16.6 12.4 18.6

176 18.5 14.4 21.6



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





#76

Fluoranthene

Concen: 19.198 ng/ul

RT: 19.19 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BM020403.D

Acq: 18 May 2019 16:01

Instrument :

BNA_M

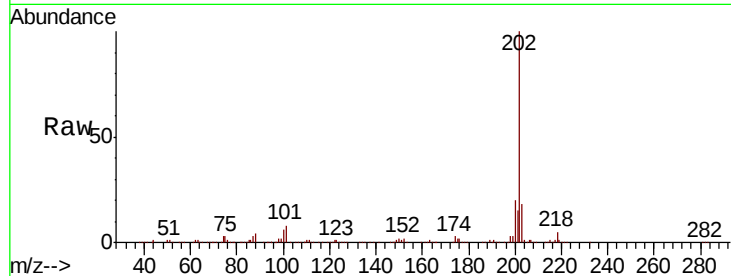
ClientSampleId :

GAJ78MEDL

Tot Ion:	202	Resp:	426881
Ion Ratio	Lower	Upper	
202	100		
101	7.8	6.4	9.6
100	6.3	5.2	7.8

Manual Integrations
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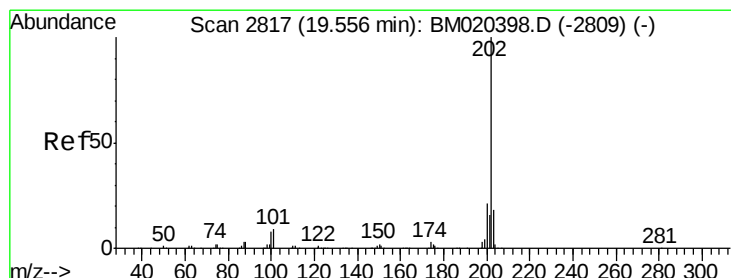
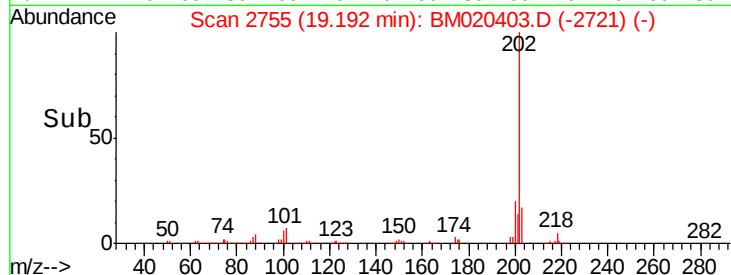
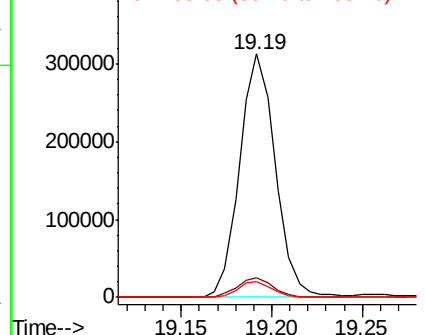


Abundance

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



#79

Pyrene

Concen: 26.113 ng/ul

RT: 19.56 min Scan# 2817

Delta R.T. -0.00 min

Lab File: BM020403.D

Acq: 18 May 2019 16:01

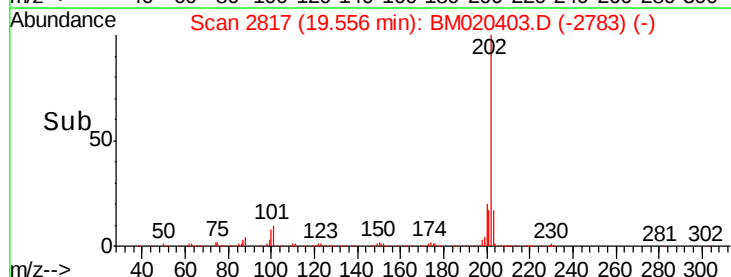
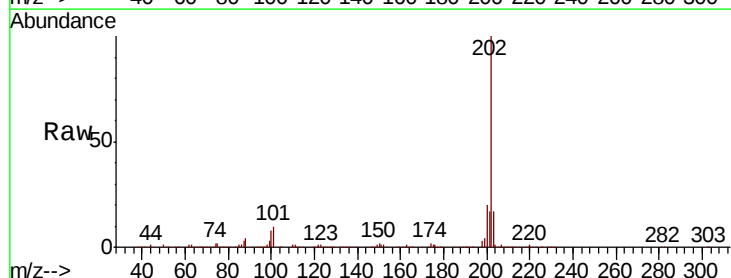
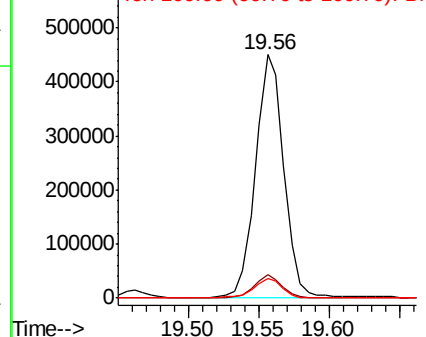
Tgt Ion:	202	Resp:	631258
Ion Ratio	Lower	Upper	
202	100		
101	9.6	7.1	10.7
100	7.8	5.9	8.9

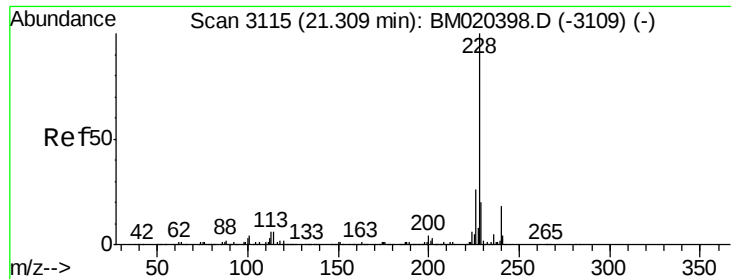
Abundance

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





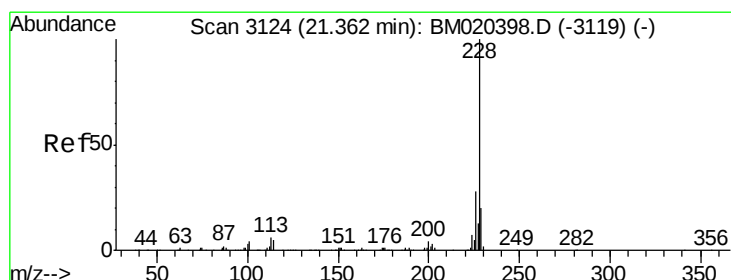
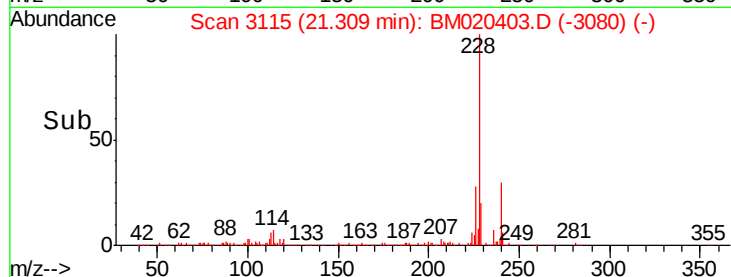
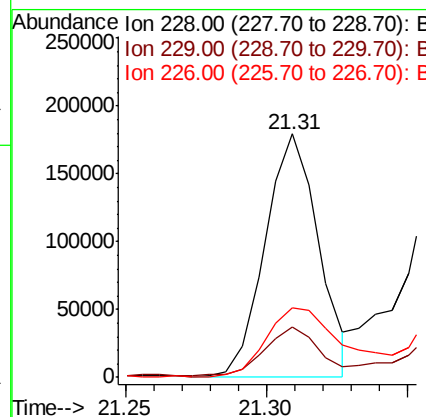
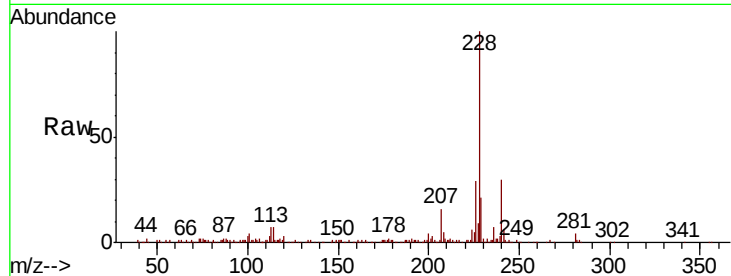
#82
Benzo(a)anthracene
Concen: 9.689 ng/ul
RT: 21.31 min Scan# 3115
Delta R.T. 0.01 min
Lab File: BM020403.D
Acq: 18 May 2019 16:01

Instrument :
BNA_M
ClientSampleId :
GAJ78MEDL

Tot Ion:	228	Resp:	234878
Ion Ratio	Lower	Upper	
228	100		
229	20.8	15.8	23.8
226	28.7	20.6	30.8

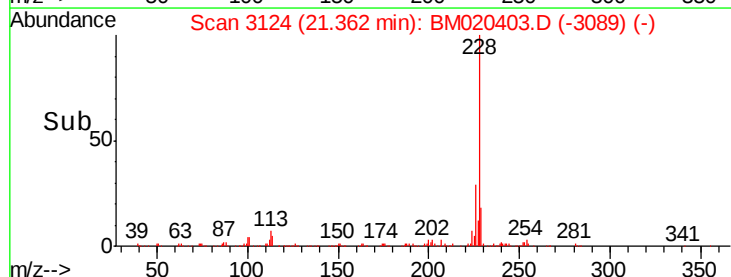
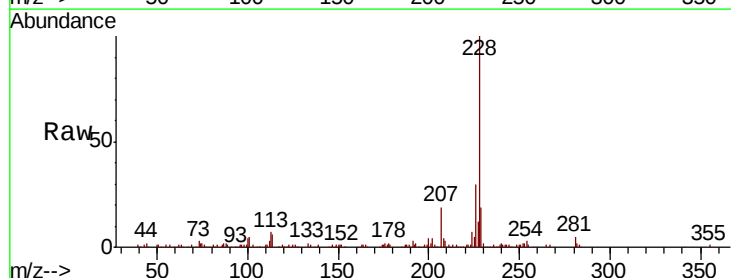
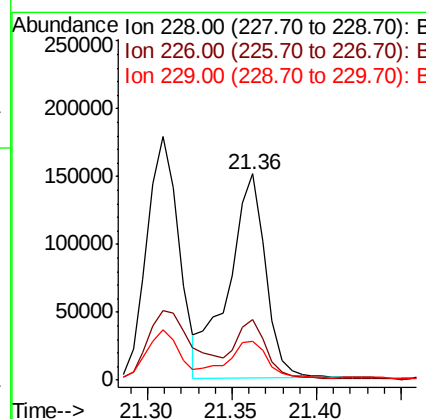
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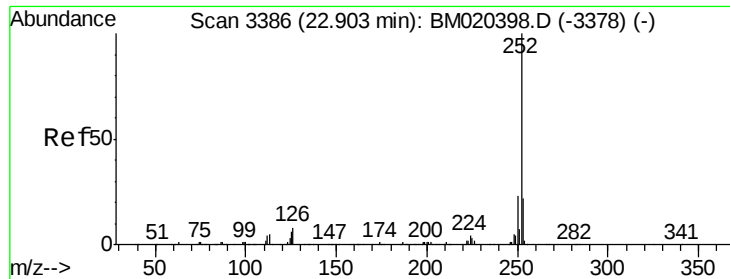
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#84
Chrysene
Concen: 9.872 ng/ul
RT: 21.36 min Scan# 3124
Delta R.T. 0.01 min
Lab File: BM020403.D
Acq: 18 May 2019 16:01

Tgt Ion:	228	Resp:	228695
Ion Ratio	Lower	Upper	
228	100		
226	29.7	22.2	33.4
229	18.9	15.4	23.2





#87

Benzo(b)fluoranthene

Concen: 9.270 ng/ul

RT: 22.91 min Scan# 3387

Delta R.T. 0.01 min

Lab File: BM020403.D

Acq: 18 May 2019 16:01

Instrument :

BNA_M

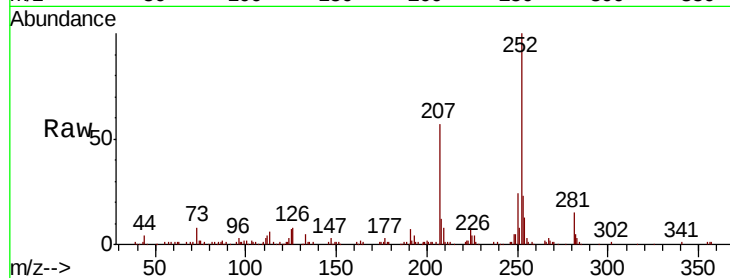
ClientSampleId :

GAJ78MEDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	7.2	5.0	7.4

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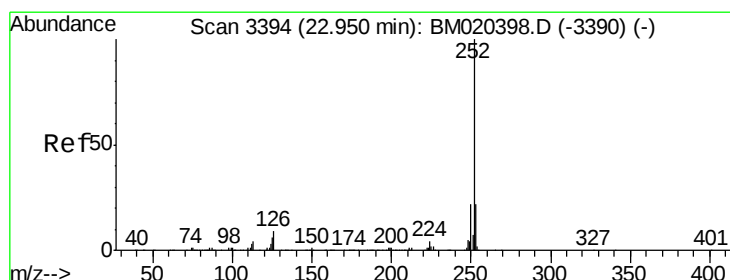
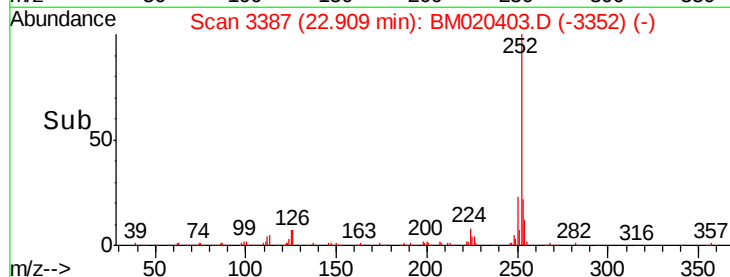
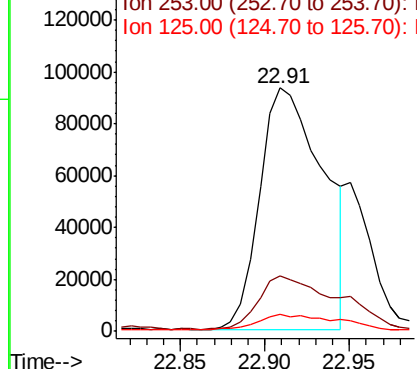


Abundance

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



#88

Benzo(k)fluoranthene

Concen: 2.420 ng/ul m

RT: 22.95 min Scan# 3394

Delta R.T. -0.00 min

Lab File: BM020403.D

Acq: 18 May 2019 16:01

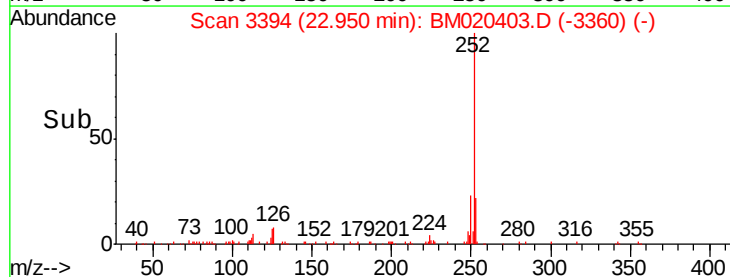
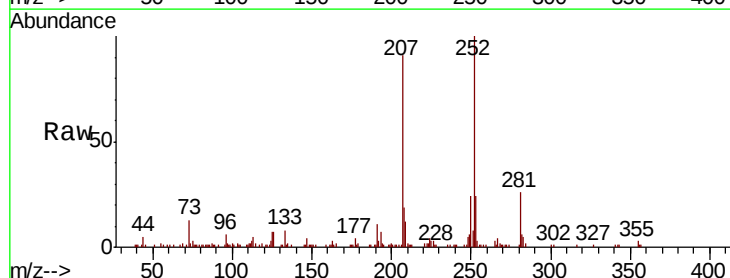
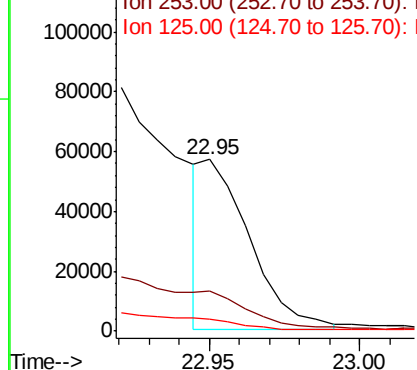
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.6	26.4
125	7.3	5.0	7.6

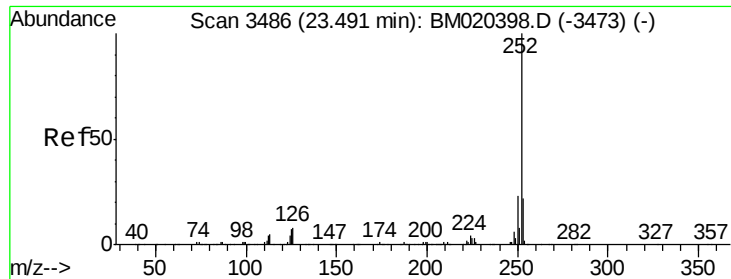
Abundance

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





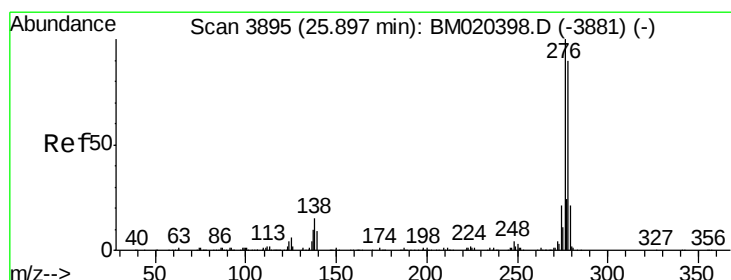
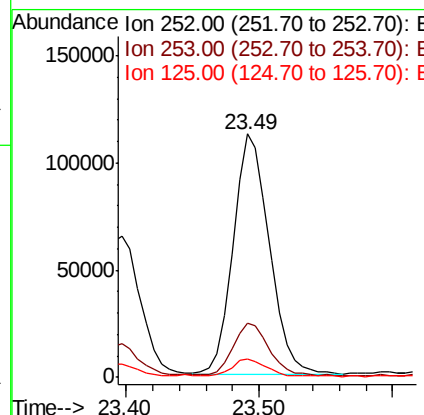
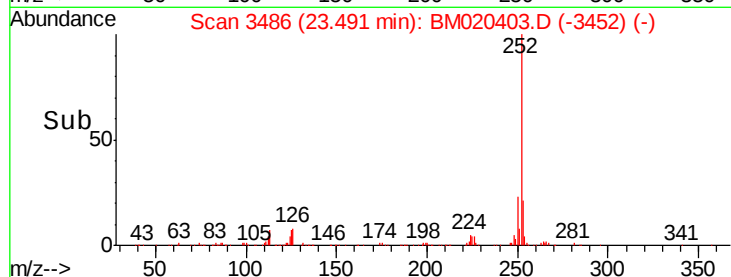
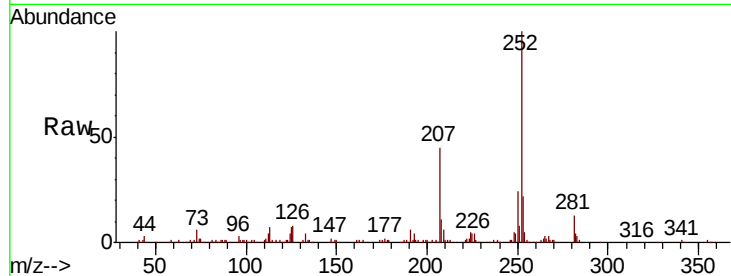
#90
Benzo(a)pyrene
Concen: 8.591 ng/ul
RT: 23.49 min Scan# 3486
Delta R.T. -0.00 min
Lab File: BM020403.D
Acq: 18 May 2019 16:01

Instrument :
BNA_M
ClientSampleId :
GAJ78MEDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.2
125	7.4	5.4	8.2

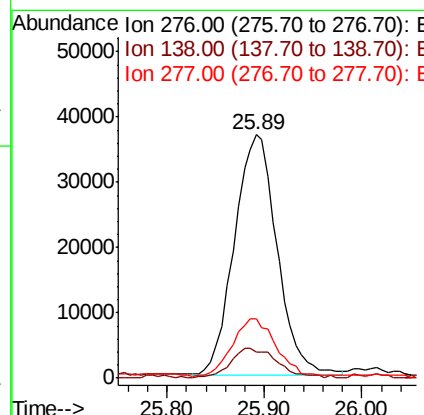
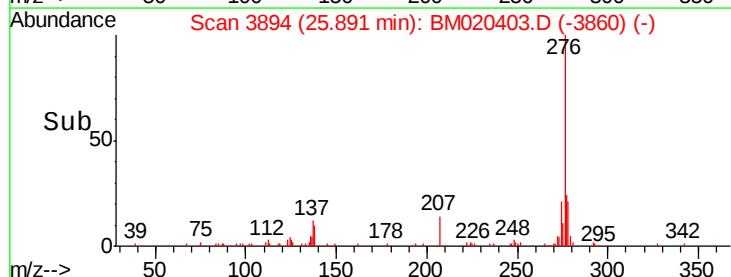
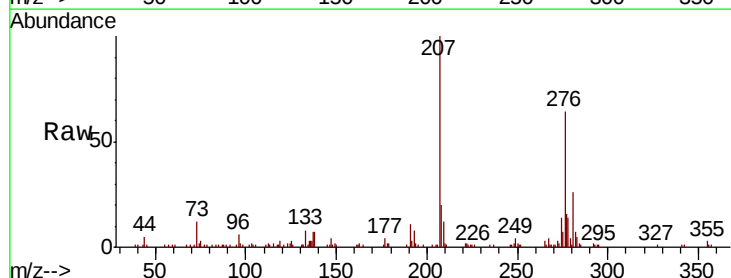
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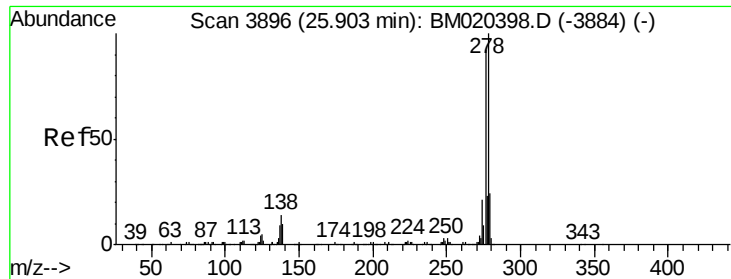
mohammad
5/20/2019 2:48:03 PM



#91
Indeno(1,2,3-cd)pyrene
Concen: 3.987 ng/ul
RT: 25.89 min Scan# 3894
Delta R.T. -0.00 min
Lab File: BM020403.D
Acq: 18 May 2019 16:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	10.8	12.3	18.5#
277	24.5	20.0	30.0





#92

Dibenzo(a,h)anthracene

Concen: 1.371 ng/ul

RT: 25.90 min Scan# 3895

Delta R.T. -0.01 min

Lab File: BM020403.D

Acq: 18 May 2019 16:01

Instrument :

BNA_M

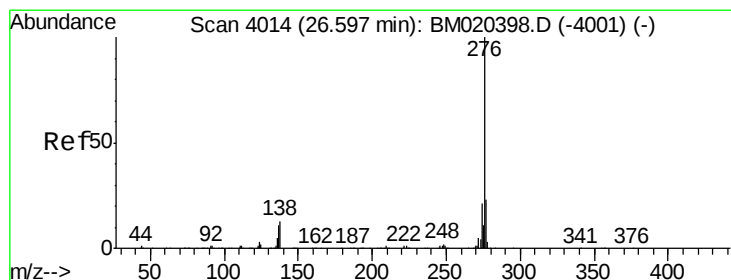
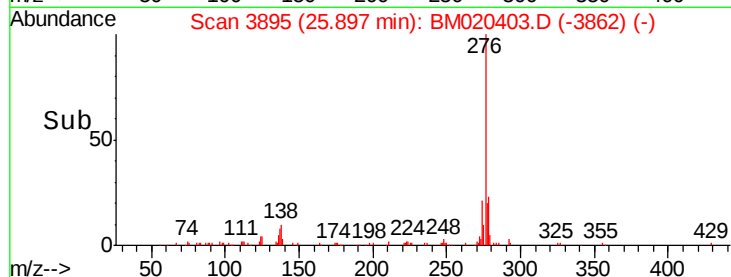
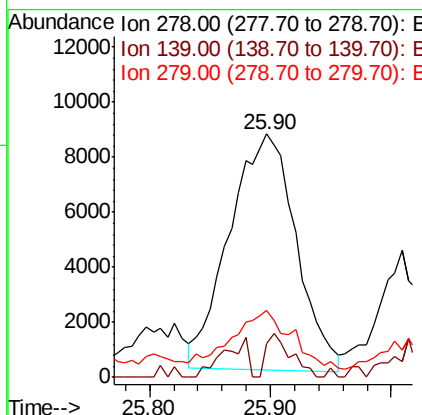
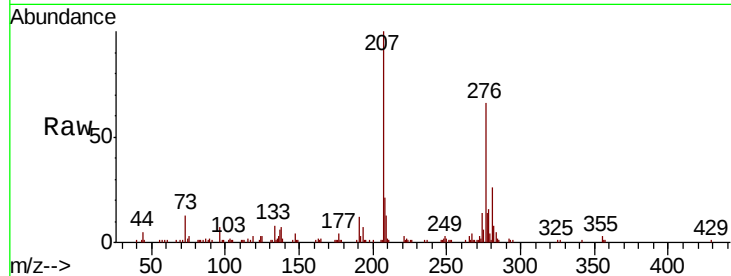
ClientSampleId :

GAJ78MEDL

Tot Ion:	278	Resp:	32908
Ion Ratio	Lower	Upper	
278	100		
139	13.8	8.1	12.1#
279	27.3	18.7	28.1

Manual Integrations
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#93

Benzo(g,h,i)perylene

Concen: 4.208 ng/ul

RT: 26.60 min Scan# 4014

Delta R.T. -0.00 min

Lab File: BM020403.D

Acq: 18 May 2019 16:01

Tgt Ion:	276	Resp:	97801
Ion Ratio	Lower	Upper	
276	100		
138	14.5	10.0	15.0
277	23.9	18.2	27.4

