

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
 Data File : BM020406.D
 Acq On : 18 May 2019 19:02
 Operator : JU/SJ
 Sample : K2604-01MEDL2 20X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GAJ75MEDL2

Manual Integrations
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Quant Time: May 20 08:27:33 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	65269	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	238980	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.38	164	147544	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.13	188	373395	20.00	ng/ul	0.00
77) Chrysene-d12	21.32	240	418969	20.00	ng/ul	0.00
85) Perylene-d12	23.59	264	468709	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.90	99	4897m	0.94	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.08	67	3862m	1.17	ng/ul	0.00
9) 2-Chlorophenol-d4	7.26	132	4659m	1.22	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	3230m	0.85	ng/ul	0.02
19) Nitrobenzene-d5	8.90	128	1416m	0.91	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	1102	0.64	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	3686	1.02	ng/ul	0.00
29) 4-Chloroaniline-d4	10.70	131	3826m	1.02	ng/ul	0.03
43) Dimethylphthalate-d6	13.79	166	17399	1.64	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	21314	1.61	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.37	176	17721	1.88	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.23	188	28874	1.80	ng/ul	0.00
78) Pyrene-d10	19.53	212	35076	1.74	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.44	264	36684	1.72	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.57	128	718717	65.458	ng/ul	100
34) 2-Methylnaphthalene	12.19	142	266373	33.507	ng/ul	98
40) 1,1'-Biphenyl	13.21	154	39841	3.772	ng/ul	98
47) Acenaphthylene	14.10	152	156962	12.535	ng/ul	97
49) Acenaphthene	14.44	153	18848	2.190	ng/ul	90
53) Dibenzofuran	14.78	168	59505	4.565	ng/ul	98
58) Fluorene	15.43	166	129267	12.379	ng/ul	98
69) Phenanthrene	17.17	178	690329	38.801	ng/ul	99
71) Anthracene	17.26	178	160292	8.857	ng/ul	99
74) Carbazole	17.54	167	17184	1.119	ng/ul	98
76) Fluoranthene	19.19	202	325883	14.500	ng/ul	99
79) Pyrene	19.56	202	371402	14.769	ng/ul	99
82) Benzo(a)anthracene	21.30	228	154044	6.109	ng/ul	97
84) Chrysene	21.36	228	130838	5.429	ng/ul	97
87) Benzo(b)fluoranthene	22.90	252	103996	3.888	ng/ul#	93
88) Benzo(k)fluoranthene	22.94	252	34538m	1.314	ng/ul	
90) Benzo(a)pyrene	23.49	252	96424	3.830	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.88	276	44163	1.540	ng/ul#	95
93) Benzo(g,h,i)perylene	26.59	276	37843	1.594	ng/ul	96

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

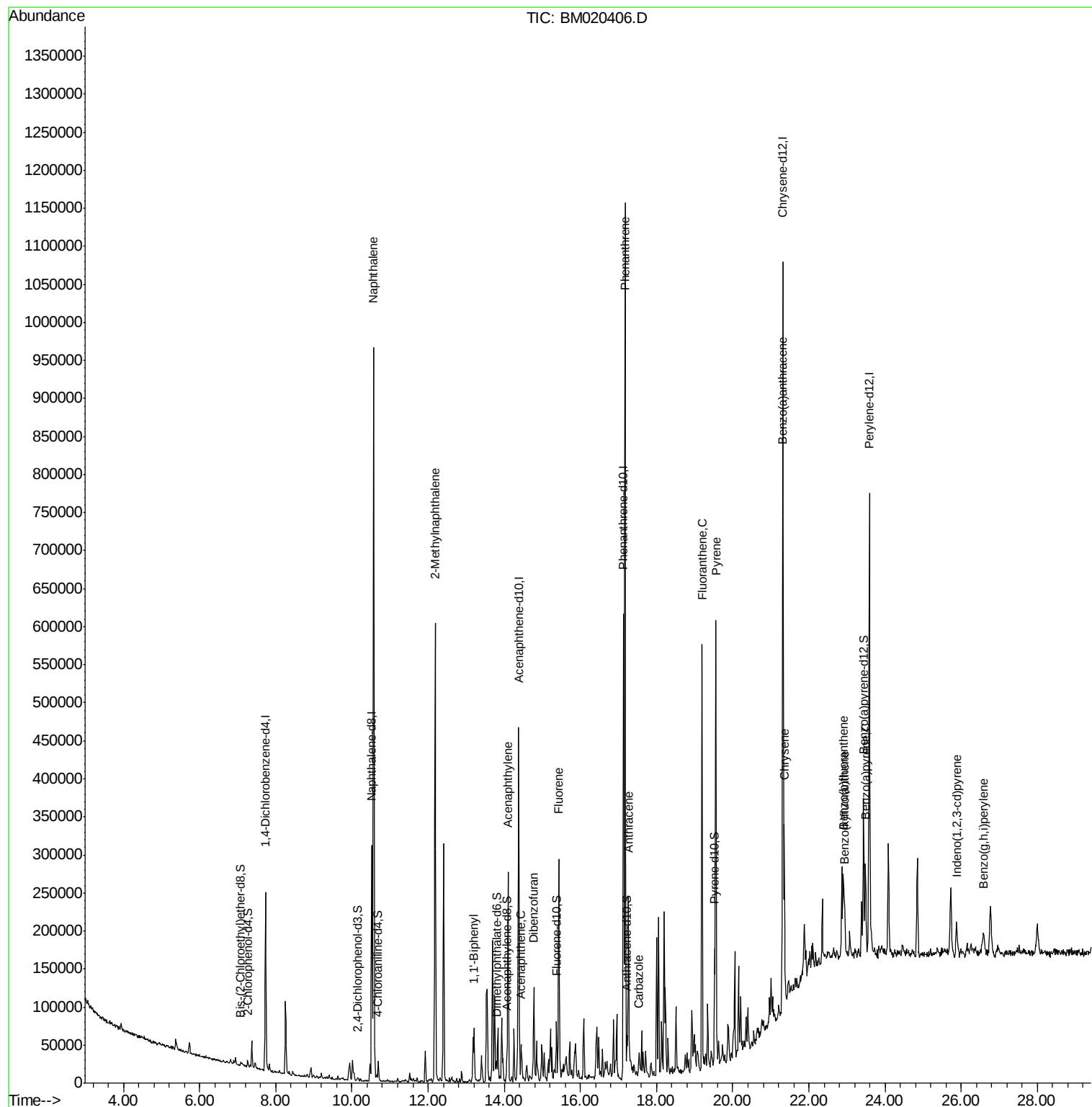
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020406.D
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ALS Vial : 12 Sample Multiplier: 1

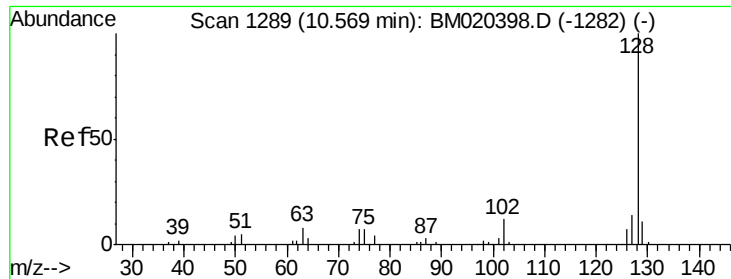
Instrument :
BNA_M
ClientSampleId :
GAJ75MEDL2

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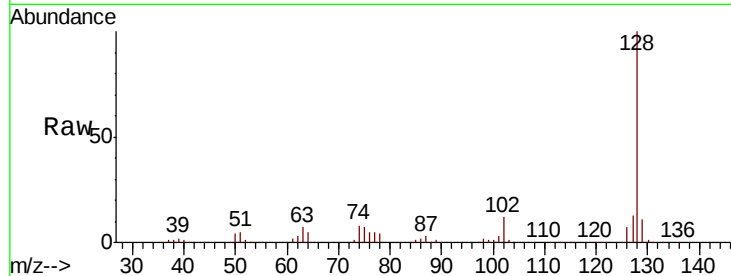
#28
Naphthalene
Concen: 65.458 ng/ul
RT: 10.57 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BM020406.D
Acq: 18 May 2019 19:02

Instrument :
BNA_M
ClientSampleId :
GAJ75MEDL2

Tot Ion	Ratio	Resp	Lower	Upper
128	100	718717		
129	10.8		8.6	13.0
127	13.1		10.6	15.8

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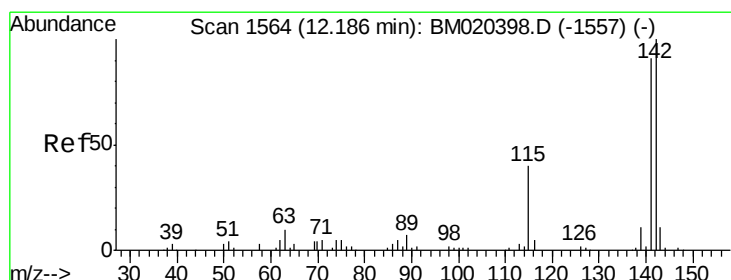
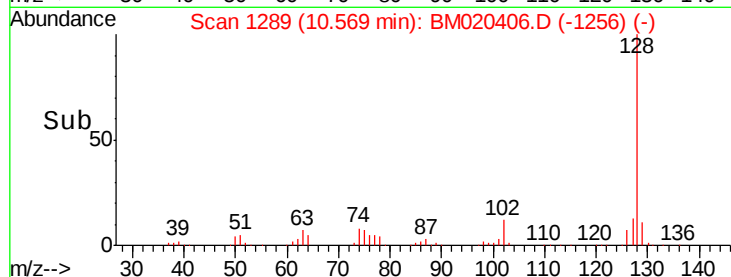
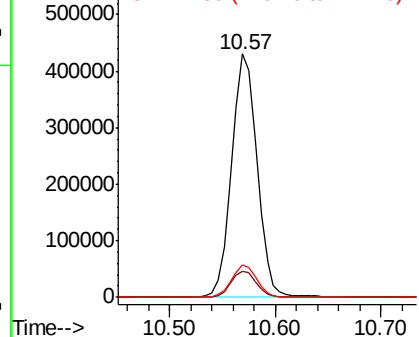


Abundance

Ion 128.00 (127.70 to 128.70): E

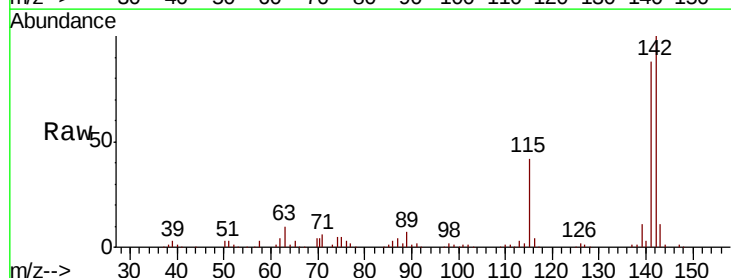
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34
2-Methylnaphthalene
Concen: 33.507 ng/ul
RT: 12.19 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BM020406.D
Acq: 18 May 2019 19:02

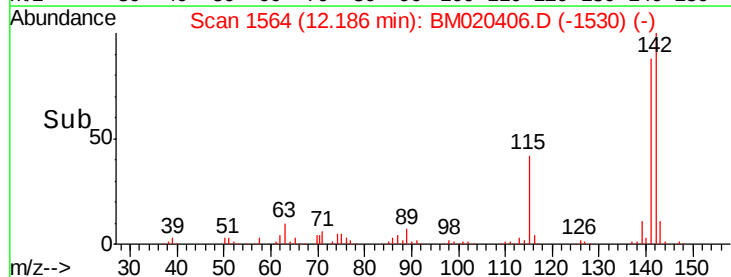
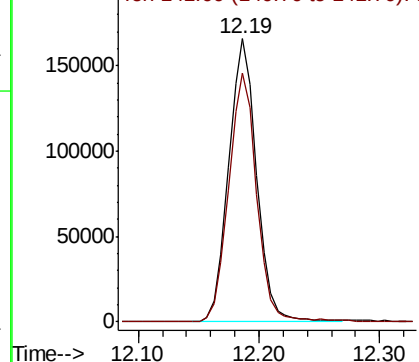
Tgt Ion	Ratio	Resp	Lower	Upper
142	100	266373		
141	87.8		68.6	102.8

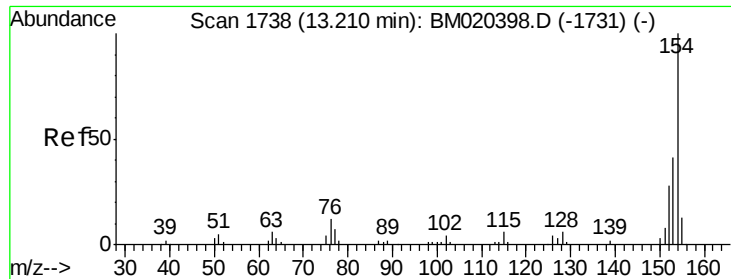


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





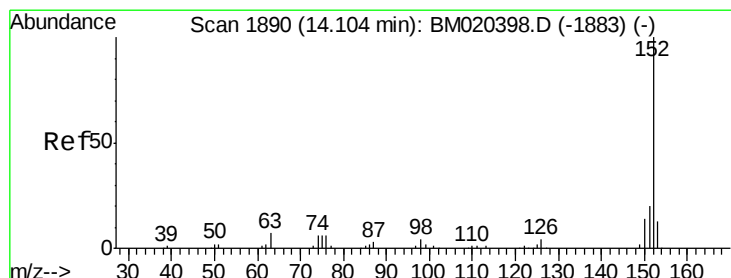
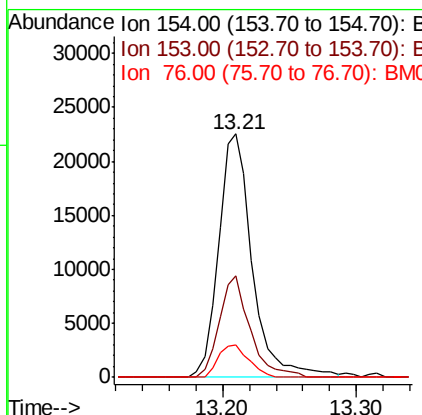
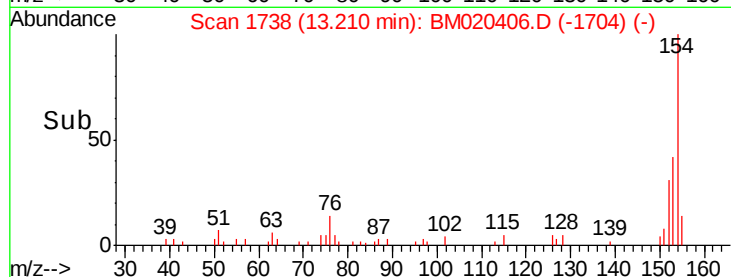
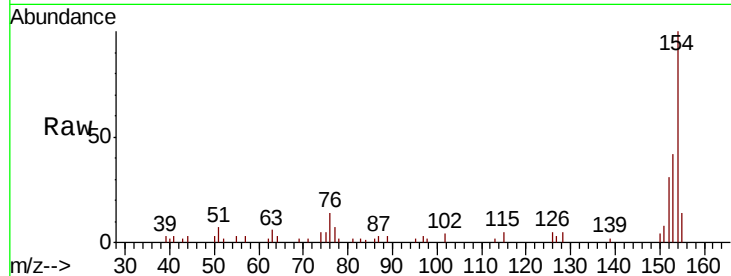
#40
 1,1'-Biphenyl
 Concen: 3.772 ng/ul
 RT: 13.21 min Scan# 1738
 Delta R.T. -0.00 min
 Lab File: BM020406.D
 Acq: 18 May 2019 19:02

Instrument :
 BNA_M
 ClientSampleId :
 GAJ75MEDL2

Tot Ion:	154	Resp:	39841
Ion Ratio	Lower	Upper	
154	100		
153	41.8	32.2	48.4
76	13.5	11.0	16.4

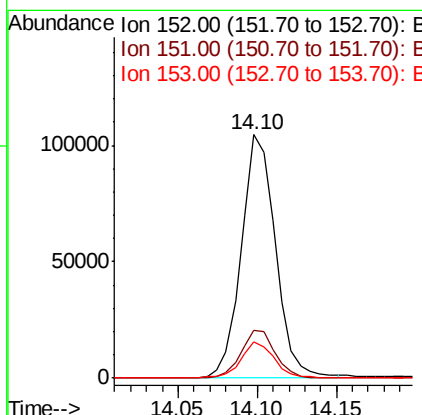
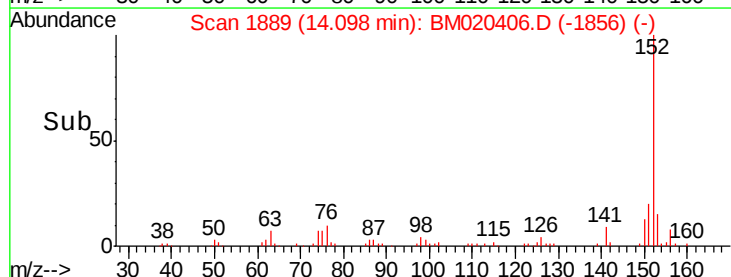
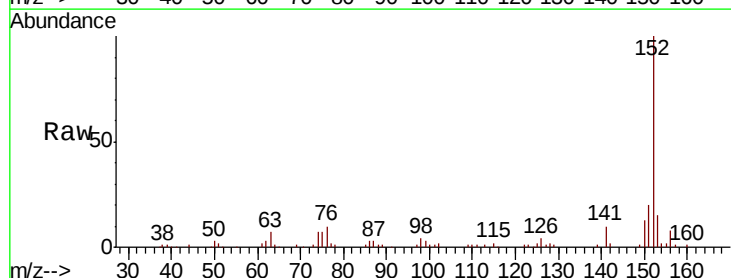
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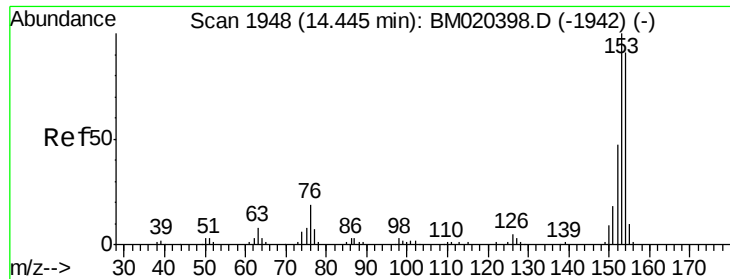
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#47
 Acenaphthylene
 Concen: 12.535 ng/ul
 RT: 14.10 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: BM020406.D
 Acq: 18 May 2019 19:02

Tgt Ion:	152	Resp:	156962
Ion Ratio	Lower	Upper	
152	100		
151	19.8	15.4	23.0
153	14.9	10.3	15.5





#49

Acenaphthene

Concen: 2.190 ng/ul

RT: 14.44 min Scan# 1948

Delta R.T. -0.00 min

Lab File: BM020406.D

Acq: 18 May 2019 19:02

Instrument :

BNA_M

ClientSampleId :

GAJ75MEDL2

Tot Ion:153 Resp: 18848

Ion Ratio Lower Upper

153 100

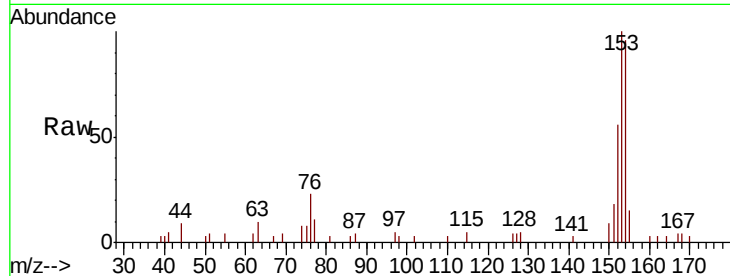
152 56.4 37.9 56.9

154 96.1 71.2 106.8

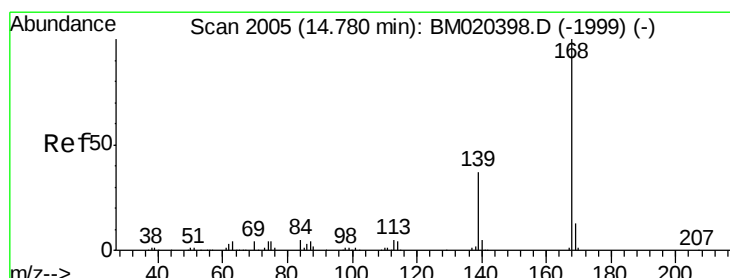
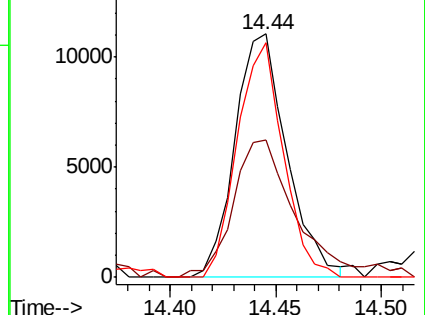
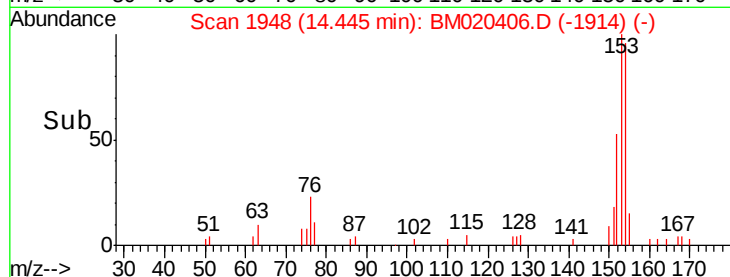
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Abundance Ion 153.00 (152.70 to 153.70): E
15000
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 4.565 ng/ul

RT: 14.78 min Scan# 2005

Delta R.T. -0.00 min

Lab File: BM020406.D

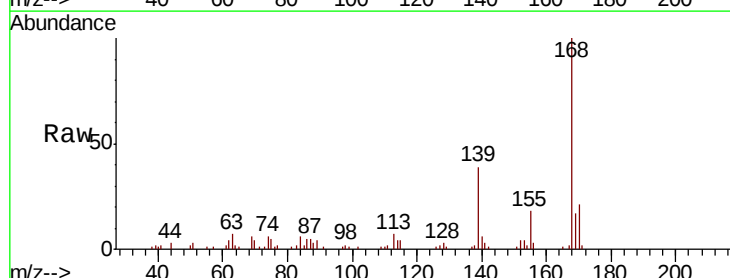
Acq: 18 May 2019 19:02

Tgt Ion:168 Resp: 59505

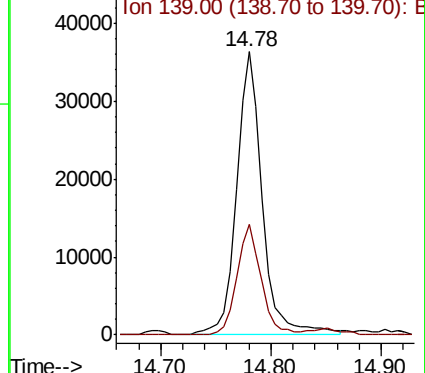
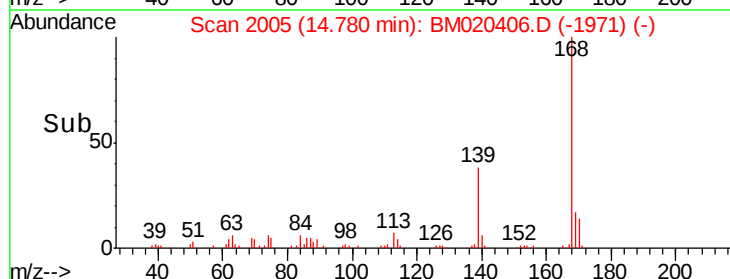
Ion Ratio Lower Upper

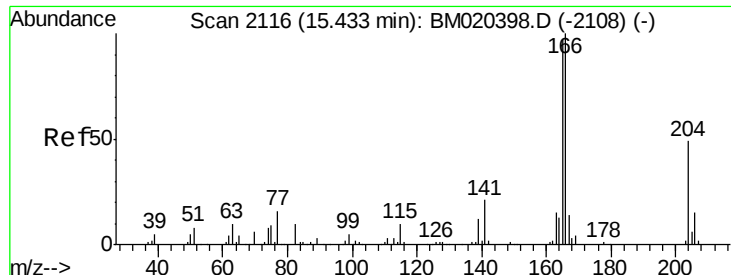
168 100

139 39.1 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E
40000
Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 12.379 ng/ul

RT: 15.43 min Scan# 2115

Delta R.T. -0.01 min

Lab File: BM020406.D

Acq: 18 May 2019 19:02

Instrument :

BNA_M

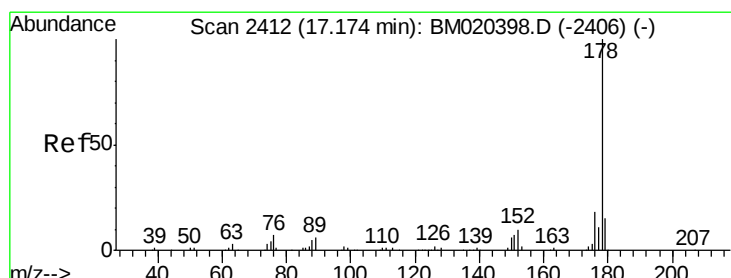
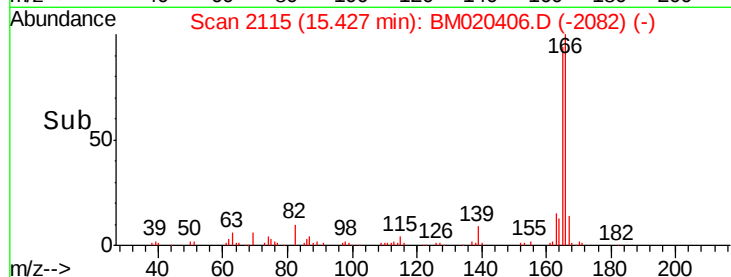
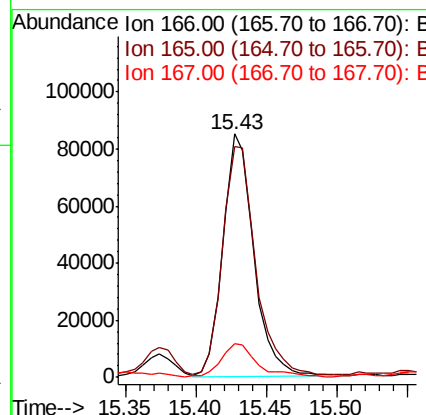
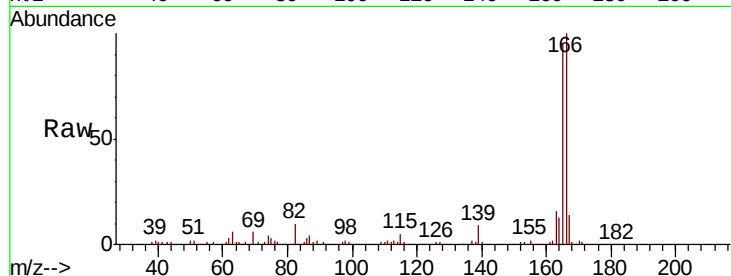
ClientSampleId :

GAJ75MEDL2

Tot Ion:	166	Resp:	129267
Ion Ratio	Lower	Upper	
166	100		
165	94.7	77.1	115.7
167	13.7	11.1	16.7

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#69

Phenanthrene

Concen: 38.801 ng/ul

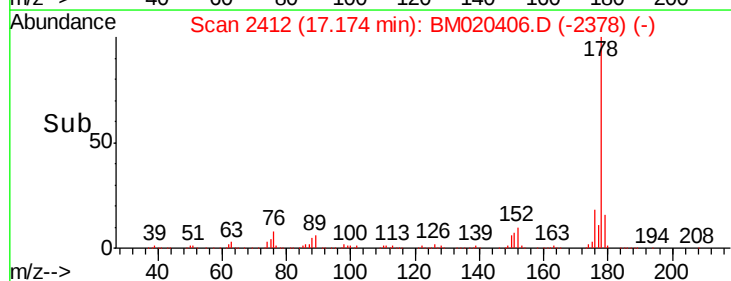
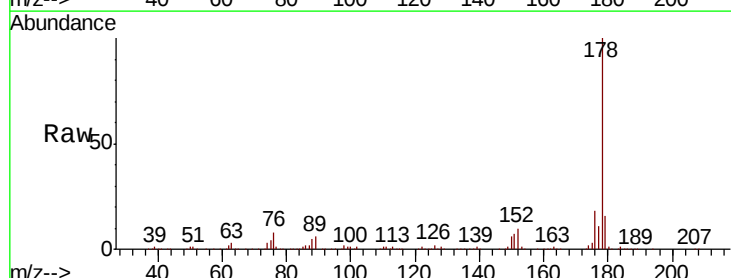
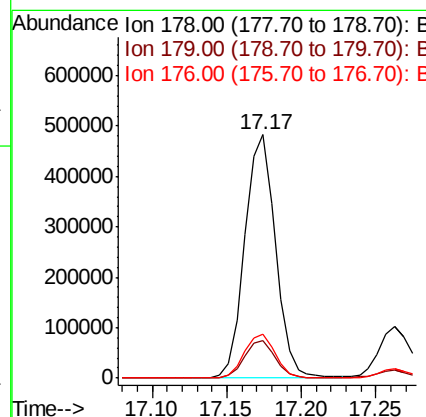
RT: 17.17 min Scan# 2412

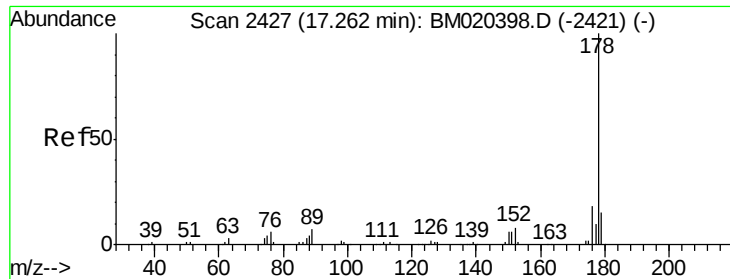
Delta R.T. -0.00 min

Lab File: BM020406.D

Acq: 18 May 2019 19:02

Tgt Ion:	178	Resp:	690329
Ion Ratio	Lower	Upper	
178	100		
179	15.6	11.9	17.9
176	18.2	14.6	22.0





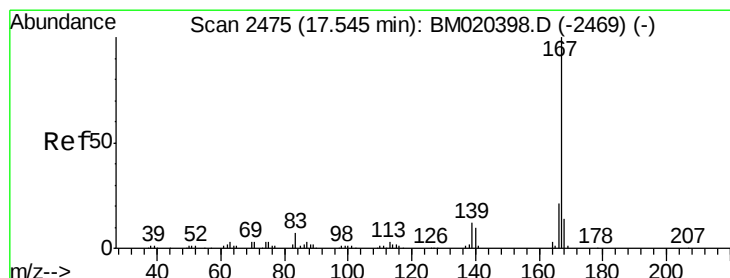
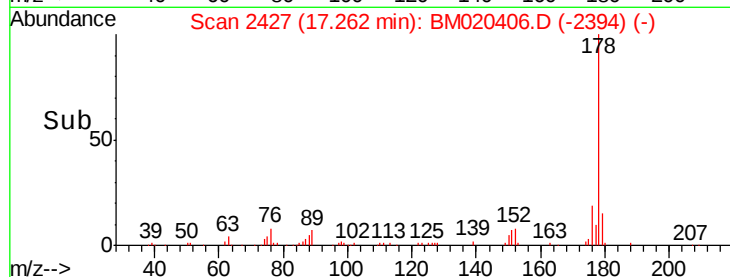
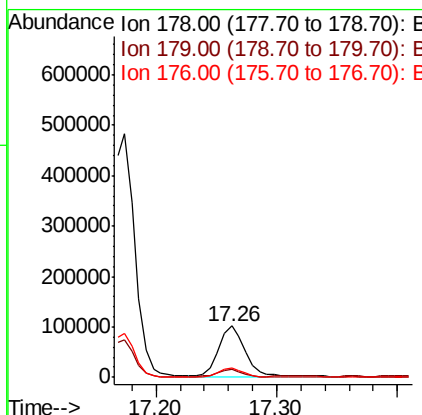
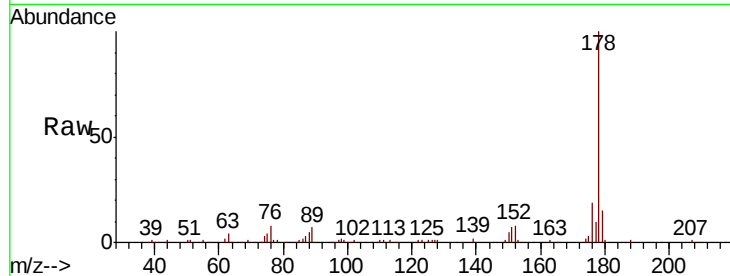
#71
 Anthracene
 Concen: 8.857 ng/ul
 RT: 17.26 min Scan# 2427
 Delta R.T. -0.01 min
 Lab File: BM020406.D
 Acq: 18 May 2019 19:02

Instrument :
 BNA_M
 ClientSampleId :
 GAJ75MEDL2

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.4	18.6
176	18.8	14.4	21.6

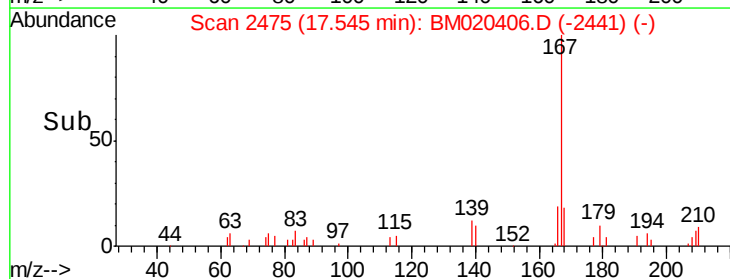
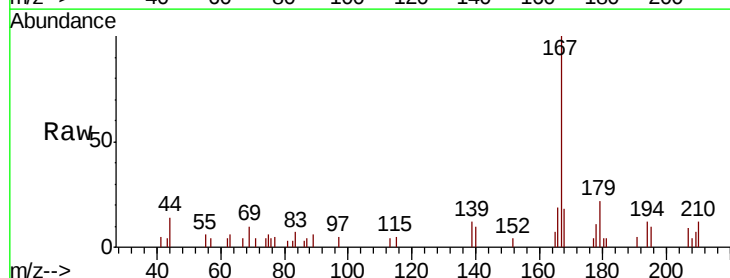
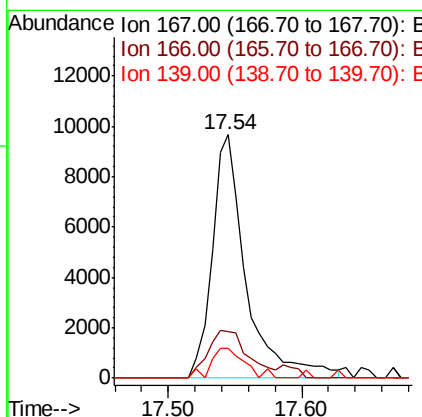
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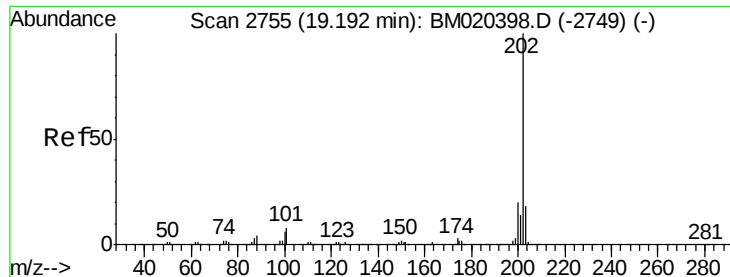
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#74
 Carbazole
 Concen: 1.119 ng/ul
 RT: 17.54 min Scan# 2475
 Delta R.T. -0.00 min
 Lab File: BM020406.D
 Acq: 18 May 2019 19:02

Tgt Ion	Ratio	Lower	Upper
167	100		
166	19.2	16.6	24.8
139	12.2	9.8	14.8





#76

Fluoranthene

Concen: 14.500 ng/ul

RT: 19.19 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BM020406.D

Acq: 18 May 2019 19:02

Instrument :

BNA_M

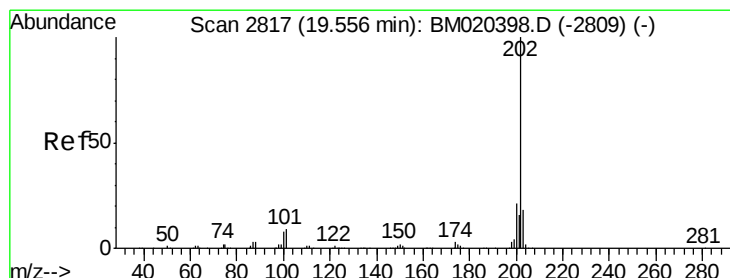
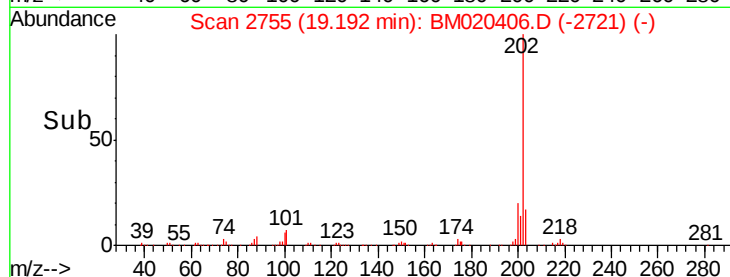
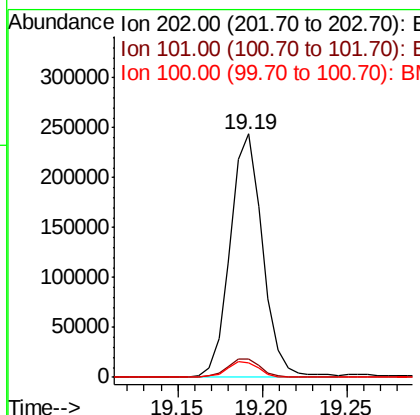
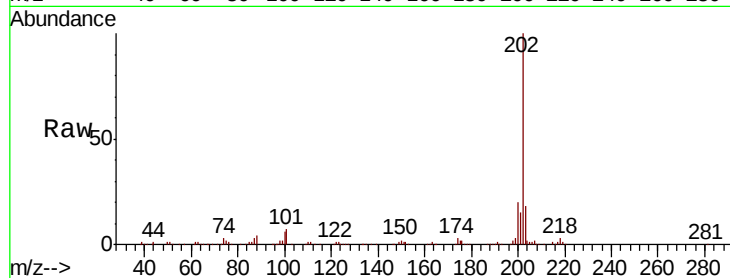
ClientSampleId :

GAJ75MEDL2

Tot Ion	Ratio	Resp	Lower	Upper
202	100	325883		
101	7.4		6.4	9.6
100	6.2		5.2	7.8

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#79

Pyrene

Concen: 14.769 ng/ul

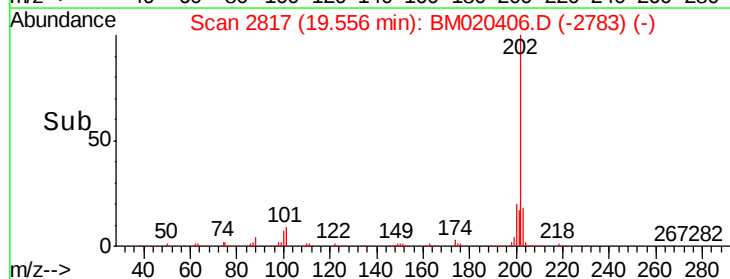
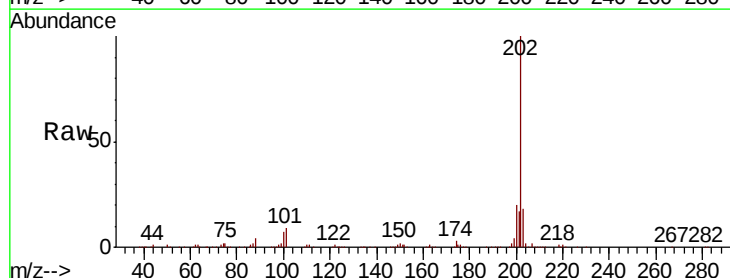
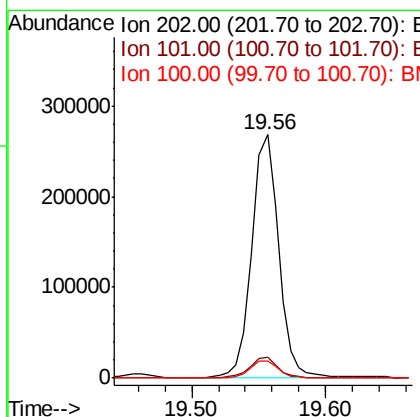
RT: 19.56 min Scan# 2817

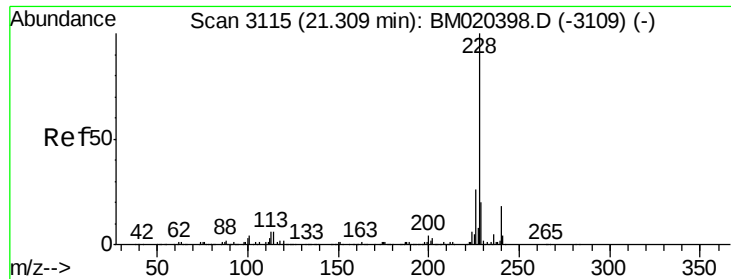
Delta R.T. -0.00 min

Lab File: BM020406.D

Acq: 18 May 2019 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	371402		
101	8.5		7.1	10.7
100	7.1		5.9	8.9





#82

Benzo(a)anthracene

Concen: 6.109 ng/ul

RT: 21.30 min Scan# 3114

Delta R.T. -0.00 min

Lab File: BM020406.D

Acq: 18 May 2019 19:02

Instrument :

BNA_M

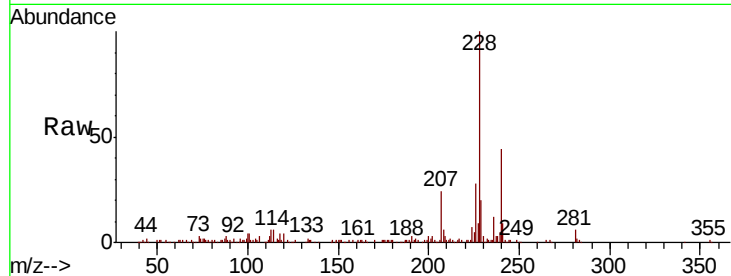
ClientSampleId :

GAJ75MEDL2

Tot Ion:	228	Resp:	154044
Ion Ratio	Lower	Upper	
228	100		
229	20.3	15.8	23.8
226	28.4	20.6	30.8

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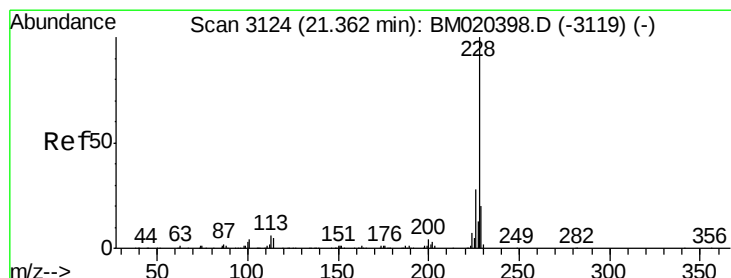
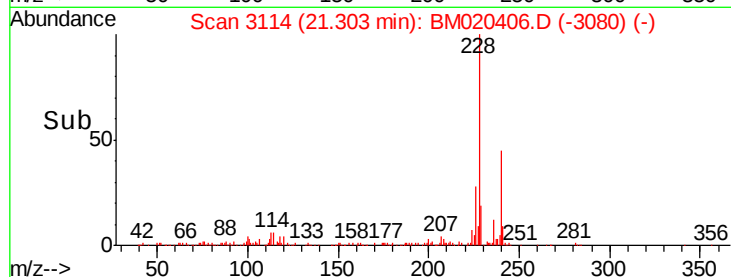
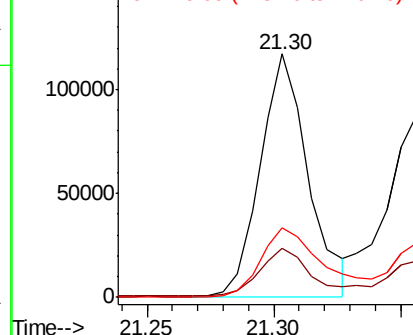


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#84

Chrysene

Concen: 5.429 ng/ul

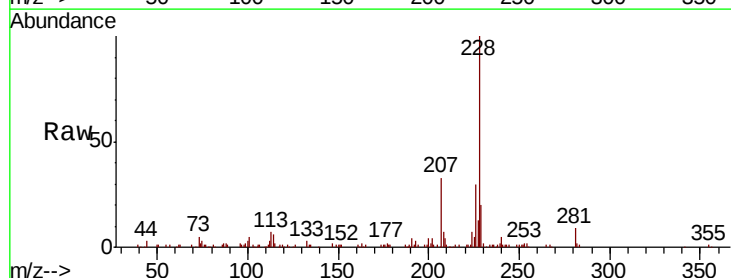
RT: 21.36 min Scan# 3123

Delta R.T. -0.00 min

Lab File: BM020406.D

Acq: 18 May 2019 19:02

Tgt Ion:	228	Resp:	130838
Ion Ratio	Lower	Upper	
228	100		
226	29.8	22.2	33.4
229	20.0	15.4	23.2

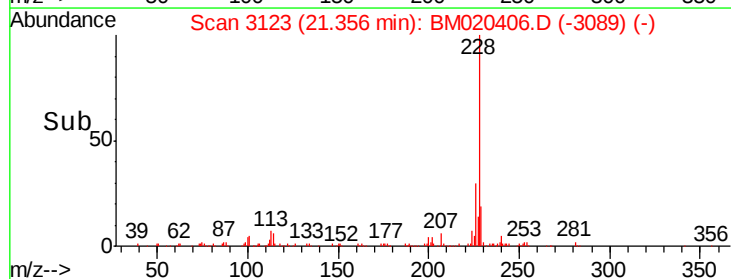
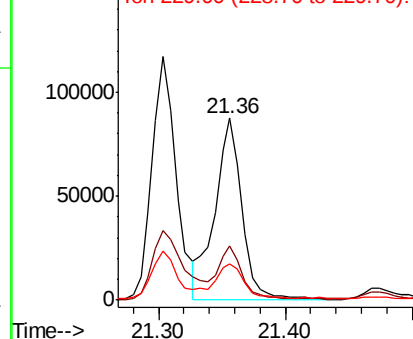


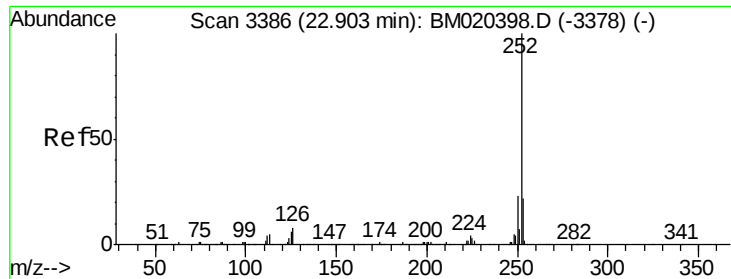
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





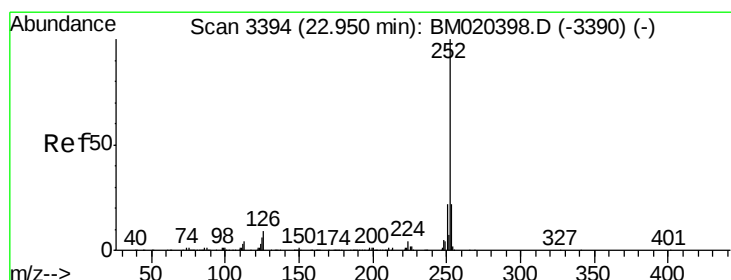
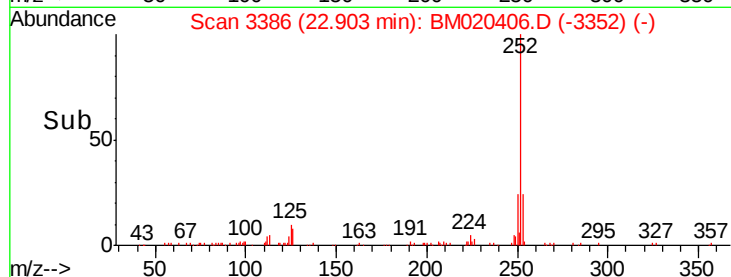
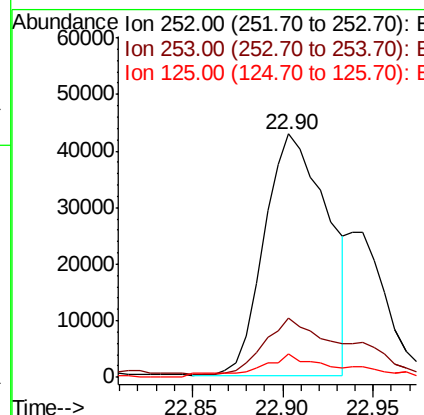
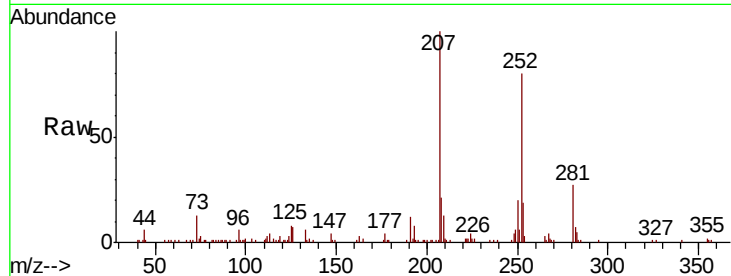
#87
Benzo(b)fluoranthene
Concen: 3.888 ng/ul
RT: 22.90 min Scan# 3386
Delta R.T. -0.00 min
Lab File: BM020406.D
Acq: 18 May 2019 19:02

Instrument :
BNA_M
ClientSampleId :
GAJ75MEDL2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.0	25.6
125	9.6	5.0	7.4

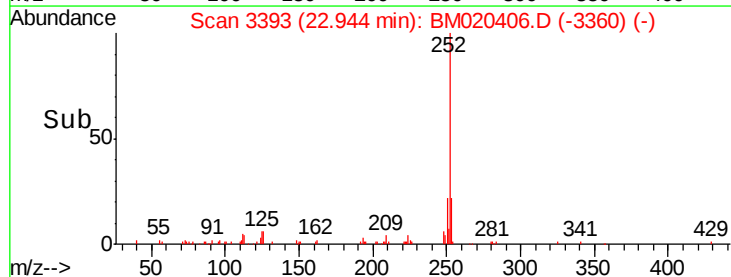
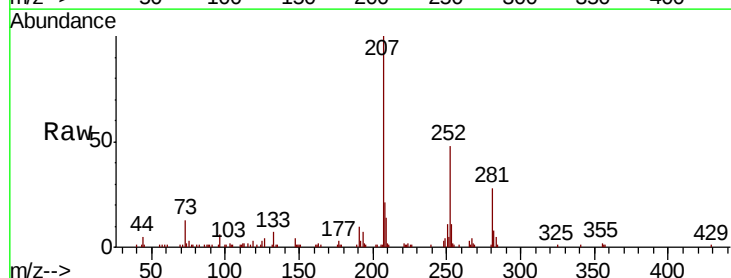
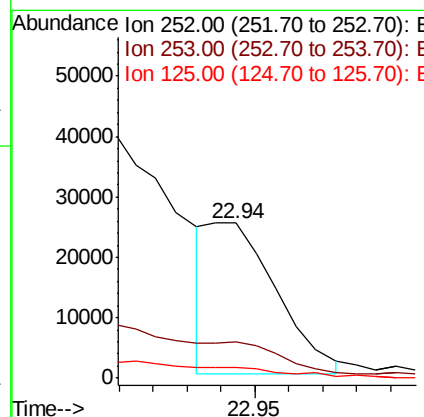
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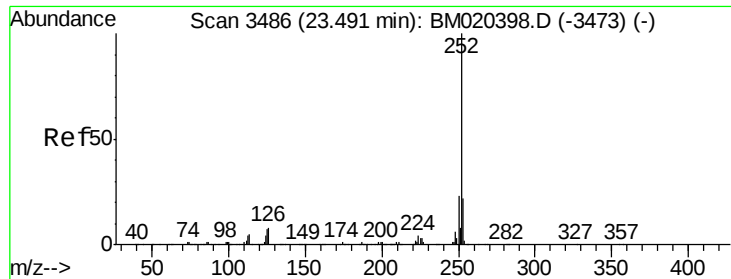
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#88
Benzo(k)fluoranthene
Concen: 1.314 ng/ul m
RT: 22.94 min Scan# 3393
Delta R.T. -0.01 min
Lab File: BM020406.D
Acq: 18 May 2019 19:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	7.2	5.0	7.6





#90

Benzo(a)pyrene

Concen: 3.830 ng/ul

RT: 23.49 min Scan# 3485

Delta R.T. -0.01 min

Lab File: BM020406.D

Acq: 18 May 2019 19:02

Instrument :

BNA_M

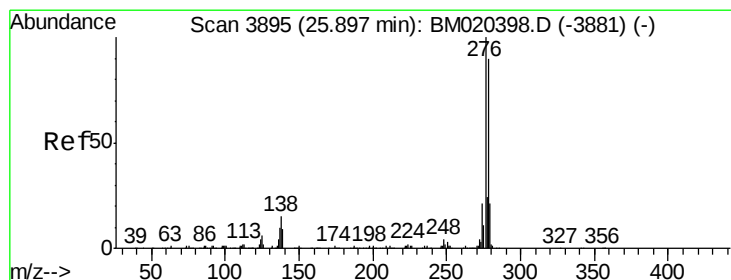
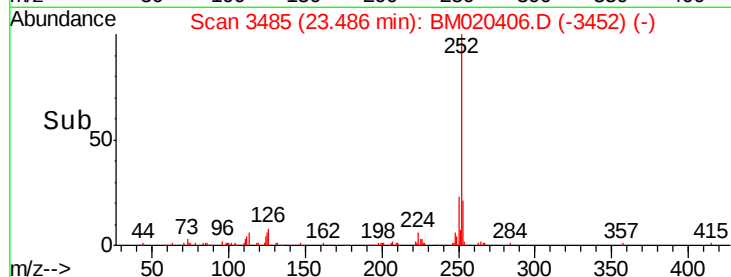
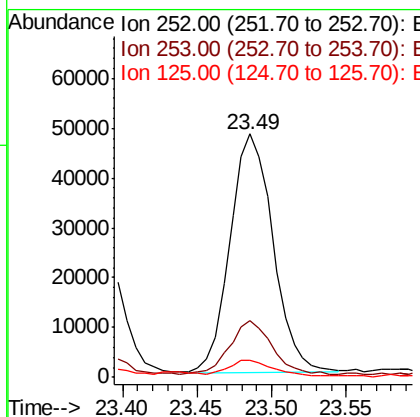
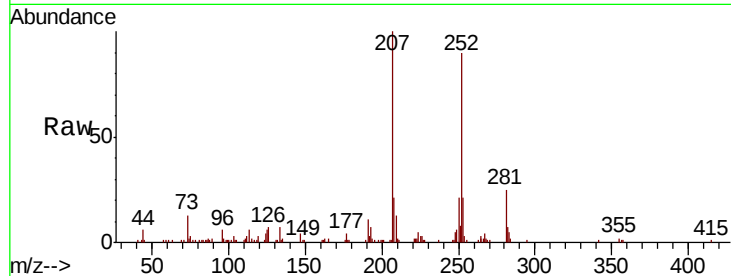
ClientSampleId :

GAJ75MEDL2

Tot Ion:	252	Resp:	96424
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.4	26.2
125	6.9	5.4	8.2

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#91

Indeno(1,2,3-cd)pyrene

Concen: 1.540 ng/ul

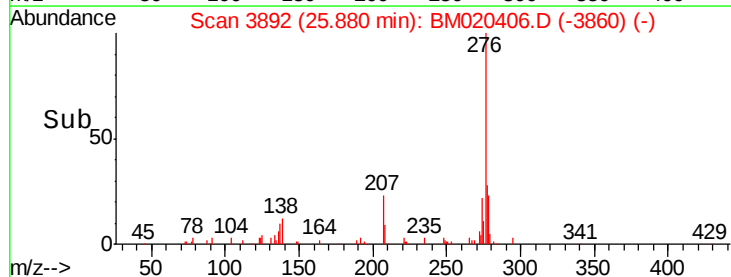
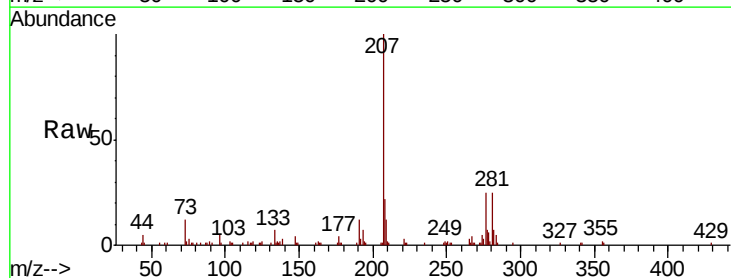
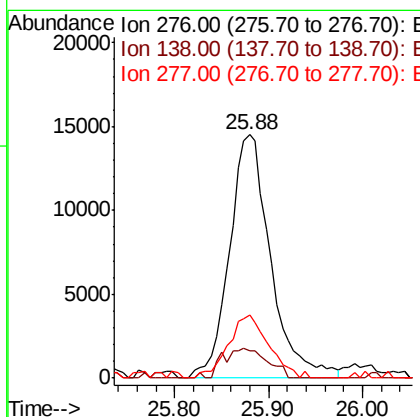
RT: 25.88 min Scan# 3892

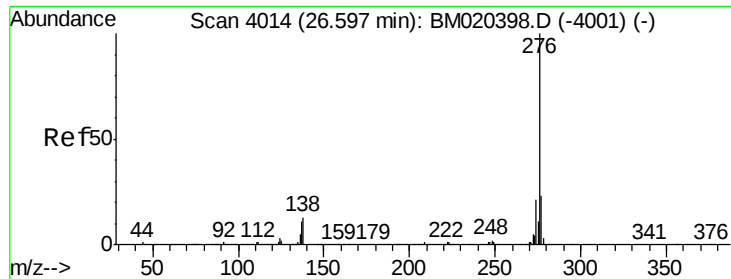
Delta R.T. -0.01 min

Lab File: BM020406.D

Acq: 18 May 2019 19:02

Tgt Ion:	276	Resp:	44163
Ion Ratio	Lower	Upper	
276	100		
138	11.1	12.3	18.5#
277	26.1	20.0	30.0





#93

Benzo(a,h,i)perylene

Concen: 1.594 ng/ul

RT: 26.59 min Scan# 4013

Delta R.T. -0.01 min

Lab File: BM020406.D

Acq: 18 May 2019 19:02

Instrument :

BNA_M

ClientSampleId :

GAJ75MEDL2

Tot Ion:	276	Resp:	37843
Ion Ratio	Lower	Upper	
276	100		
138	14.6	10.0	15.0
277	24.1	18.2	27.4

Manual Integrations
APPROVED

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