

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
 Data File : BM024566.D
 Acq On : 21 Jan 2020 16:55
 Operator : JU
 Sample : L1109-09MEDL 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GASG8MEDL

Manual Integrations
 APPROVED

mohammad
 1/23/2020 7:57:33 AM

Quant Time: Jan 21 17:36:31 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 21 11:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	203199	20.00	ng/ul	0.00
18) Naphthalene-d8	10.21	136	868220	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.10	164	622217	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.85	188	1498310	20.00	ng/ul	0.00
78) Chrysene-d12	21.06	240	1581138	20.00	ng/ul	0.00
86) Perylene-d12	23.18	264	1436835	20.00	ng/ul	0.00

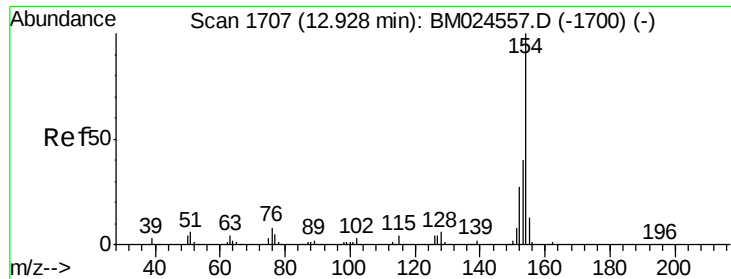
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	2287	0.55	ng/uL	0.00
5) Phenol-d5	6.65	99	42856	2.85	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.80	67	24146	2.89	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	37518	2.92	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	36983	2.66	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	19270	3.16	ng/ul	0.00
22) 2-Nitrophenol-d4	9.31	143	20933	3.17	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	43533	2.93	ng/ul	0.00
29) 4-Chloroaniline-d4	10.35	131	52681	3.19	ng/ul	0.00
44) Dimethylphthalate-d6	13.52	166	153343	3.15	ng/ul	0.00
47) Acenaphthylene-d8	13.79	160	168489	3.00	ng/ul	0.00
52) 4-Nitrophenol-d4	14.32	143	17514	2.15	ng/ul	0.00
58) Fluorene-d10	15.10	176	136874	3.19	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.23	200	15578	1.82	ng/ul	0.00
71) Anthracene-d10	16.95	188	224228	3.22	ng/ul	0.00
79) Pyrene-d10	19.25	212	276678	3.27	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.04	264	238113	3.20	ng/ul	0.00

Target Compounds

					Ovalue
41) 1,1'-Biophenyl	12.92	154	51562	1.141 ng/ul	96
48) Acenaphthylene	13.82	152	129473	2.259 ng/ul	98
50) Acenaphthene	14.16	153	65325	1.684 ng/ul	99
54) Dibenzofuran	14.50	168	305045	5.368 ng/ul	99
59) Fluorene	15.16	166	322999	6.722 ng/ul	96
70) Phenanthrene	16.89	178	3363426	41.625 ng/ul	100
72) Anthracene	16.98	178	664293	8.062 ng/ul	98
75) Carbazole	17.25	167	172103	2.482 ng/ul	99
77) Fluoranthene	18.92	202	2769390	28.042 ng/ul	100
80) Pyrene	19.28	202	2718903	25.119 ng/ul	98
83) Benzo(a)anthracene	21.04	228	1230537	11.425 ng/ul	97
85) Chrysene	21.10	228	1022022	9.847 ng/ul	99
88) Benzo(b)fluoranthene	22.56	252	829845	8.738 ng/ul	99
89) Benzo(k)fluoranthene	22.59	252	340438m	3.648 ng/ul	
91) Benzo(a)pyrene	23.09	252	578842	7.014 ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.24	276	314173	3.638 ng/ul	97
93) Dibenzo(a,h)anthracene	25.26	278	89922	1.227 ng/ul	97
94) Benzo(g,h,i)perylene	25.87	276	257100	3.746 ng/ul	98

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



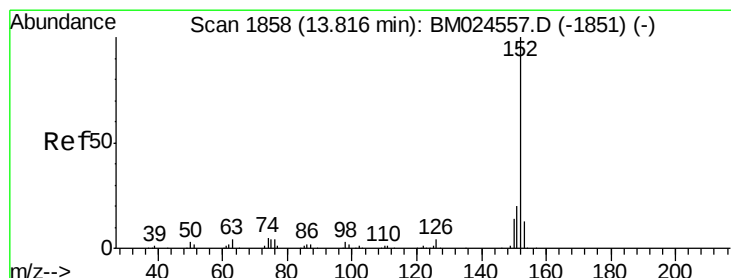
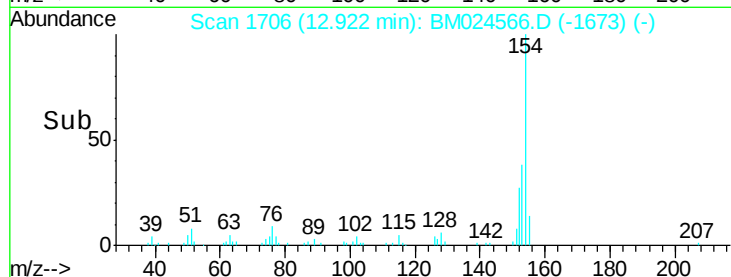
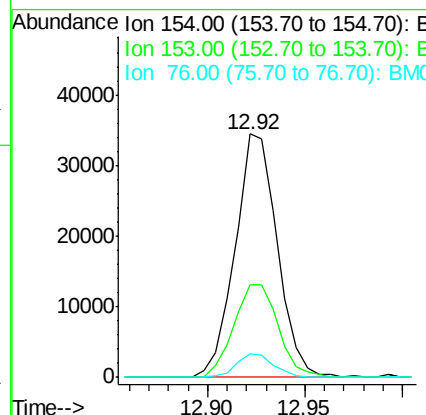
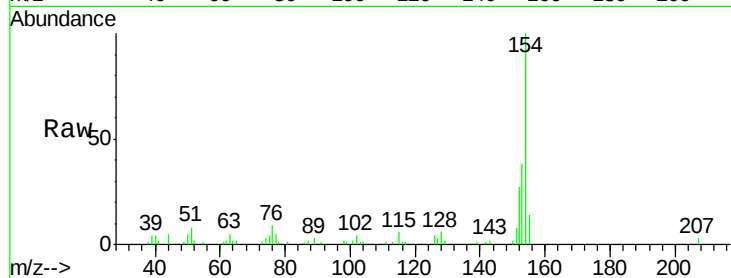
#41
1,1'-Biphenyl
Concen: 1.141 ng/ul
RT: 12.92 min Scan# 1706
Delta R.T. -0.01 min
Lab File: BM024566.D
Acq: 21 Jan 2020 16:55

Instrument :
BNA_M
ClientSampleId :
GASG8MEDL

Tot Ion	Ratio	Lower	Upper
154	100		
153	37.9	32.3	48.5
76	9.4	7.0	10.6

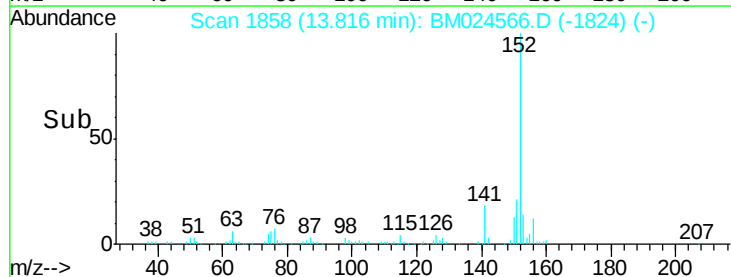
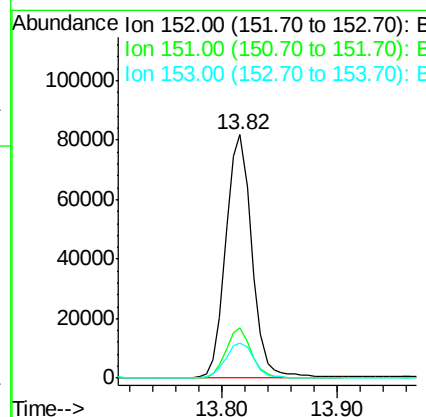
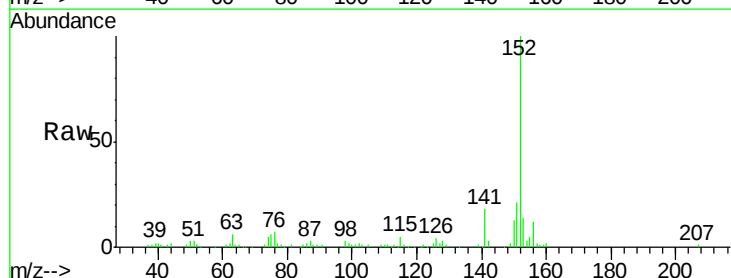
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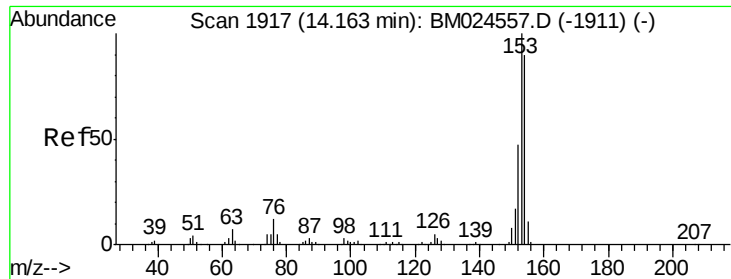
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#48
Acenaphthylene
Concen: 2.259 ng/ul
RT: 13.82 min Scan# 1858
Delta R.T. 0.00 min
Lab File: BM024566.D
Acq: 21 Jan 2020 16:55

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.9	23.9
153	14.4	10.3	15.5





#50

Acenaphthene

Concen: 1.684 ng/ul

RT: 14.16 min Scan# 1917

Delta R.T. 0.00 min

Lab File: BM024566.D

Acq: 21 Jan 2020 16:55

Instrument :

BNA_M

ClientSampleId :

GASG8MEDL

Tot Ion:153 Resp: 65325

Ion Ratio Lower Upper

153 100

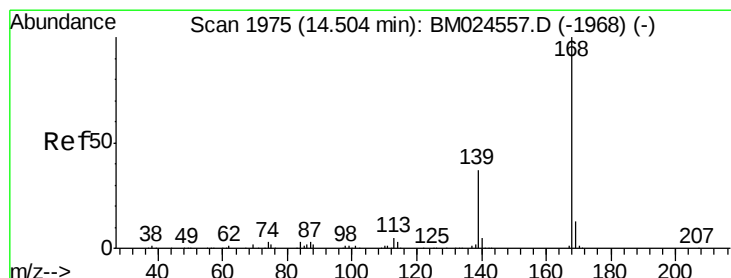
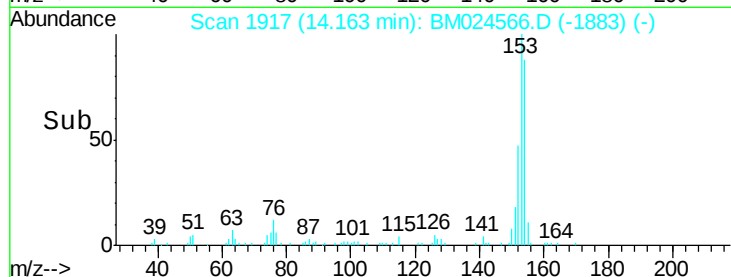
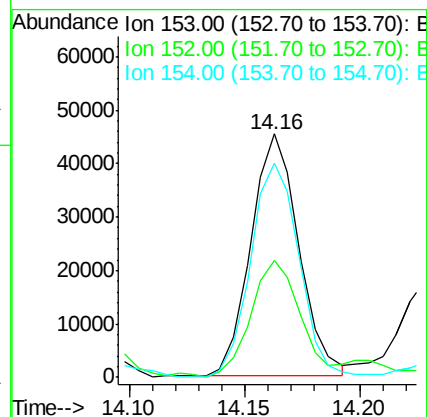
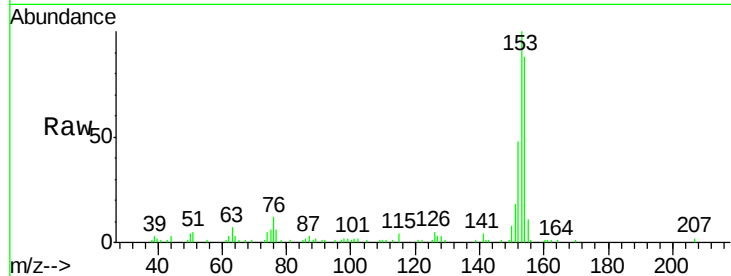
152 47.8 37.2 55.8

154 87.9 70.6 106.0

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#54

Dibenzofuran

Concen: 5.368 ng/ul

RT: 14.50 min Scan# 1975

Delta R.T. 0.00 min

Lab File: BM024566.D

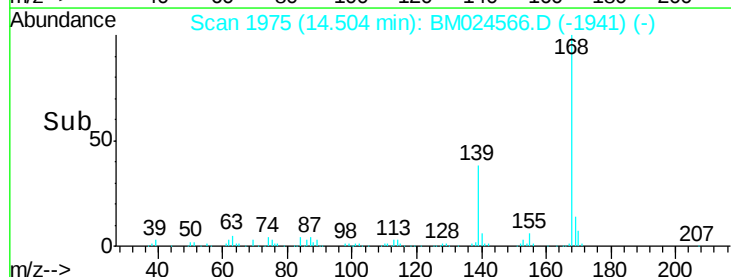
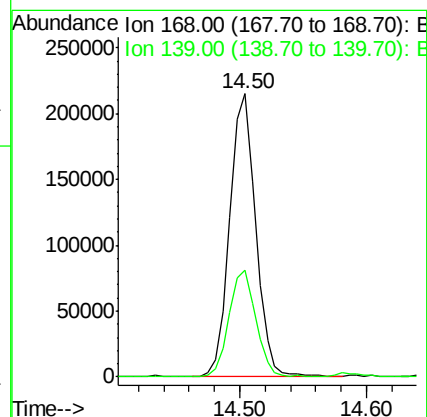
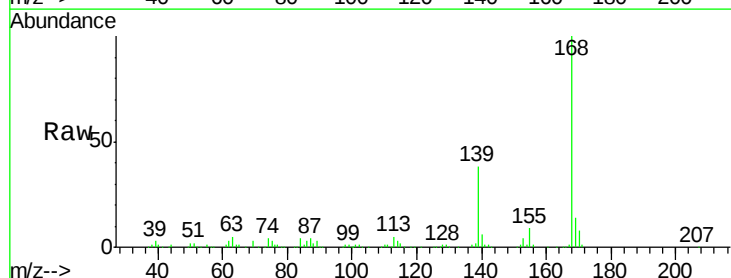
Acq: 21 Jan 2020 16:55

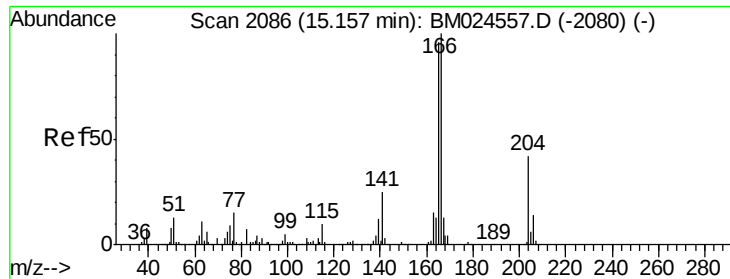
Tgt Ion:168 Resp: 305045

Ion Ratio Lower Upper

168 100

139 37.7 30.7 46.1





#59

Fluorene

Concen: 6.722 ng/ul

RT: 15.16 min Scan# 2086

Delta R.T. 0.00 min

Lab File: BM024566.D

Acq: 21 Jan 2020 16:55

Instrument :

BNA_M

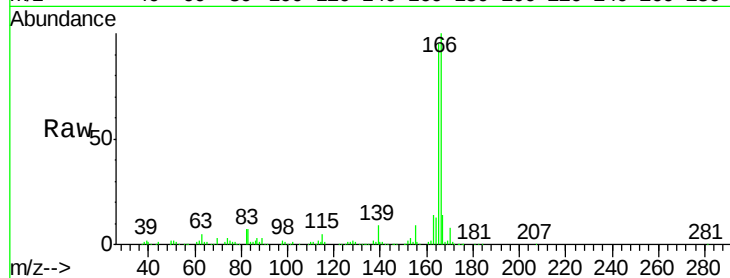
ClientSampleId :

GASG8MEDL

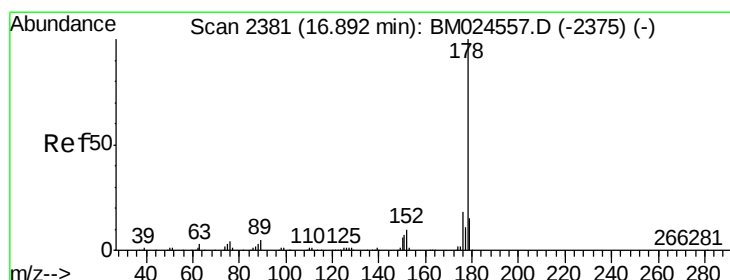
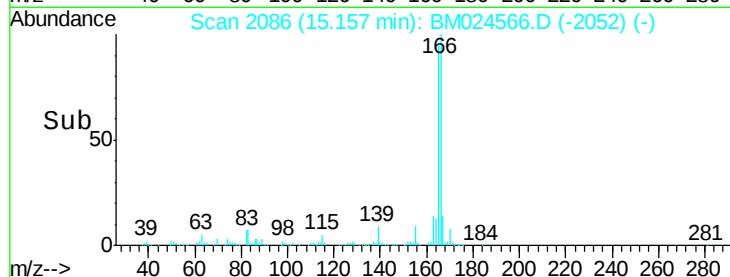
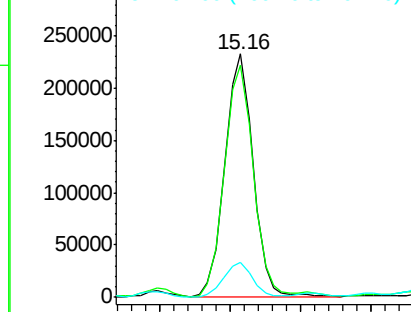
Tot Ion:	166	Resp:	322999
Ion Ratio	Lower	Upper	
166	100		
165	95.5	79.6	119.4
167	14.4	10.8	16.2

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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 41.625 ng/ul

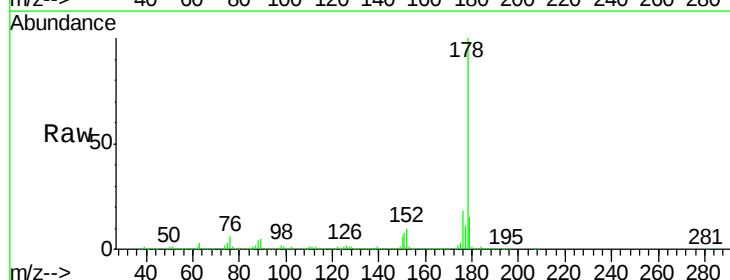
RT: 16.89 min Scan# 2381

Delta R.T. 0.00 min

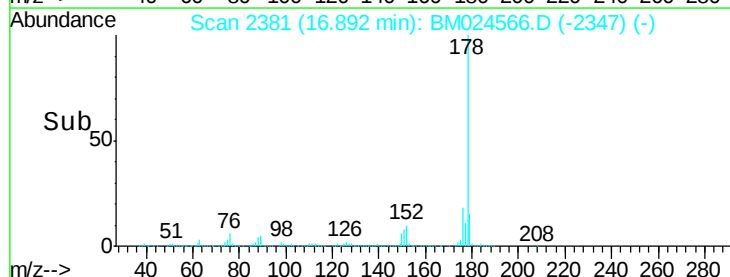
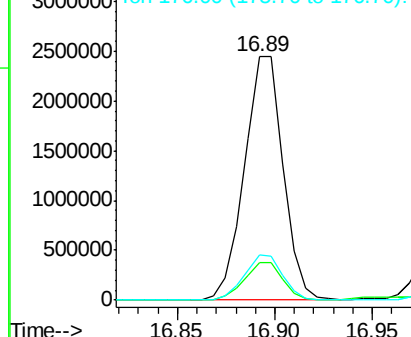
Lab File: BM024566.D

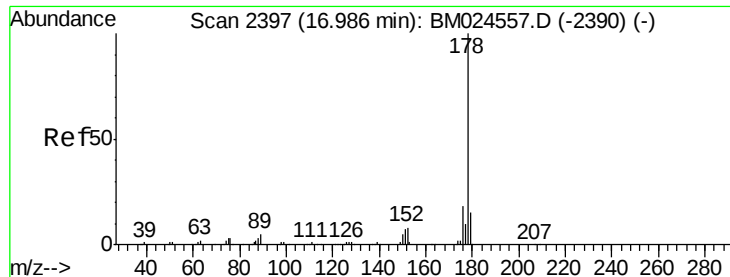
Acq: 21 Jan 2020 16:55

Tgt Ion:	178	Resp:	3363426
Ion Ratio	Lower	Upper	
178	100		
179	15.5	12.3	18.5
176	18.4	14.9	22.3



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

Anthracene

Concen: 8.062 ng/ul

RT: 16.98 min Scan# 2396

Delta R.T. -0.01 min

Lab File: BM024566.D

Acq: 21 Jan 2020 16:55

Instrument :

BNA_M

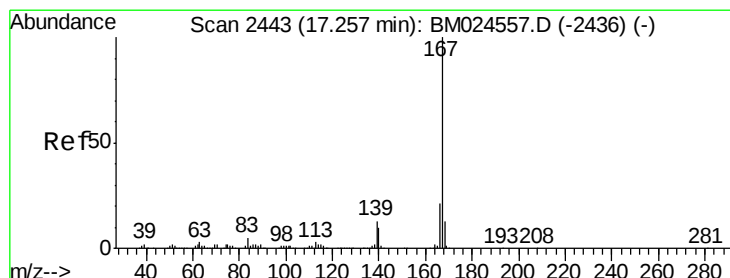
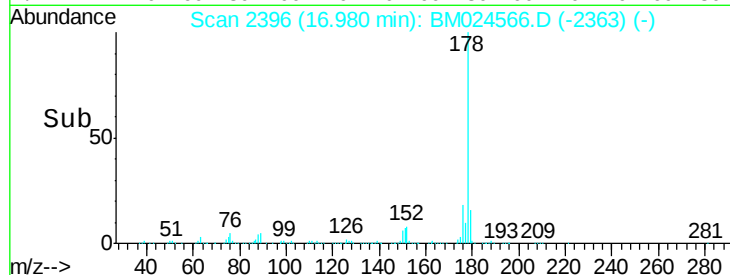
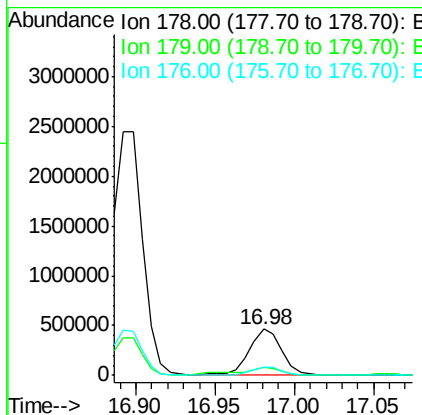
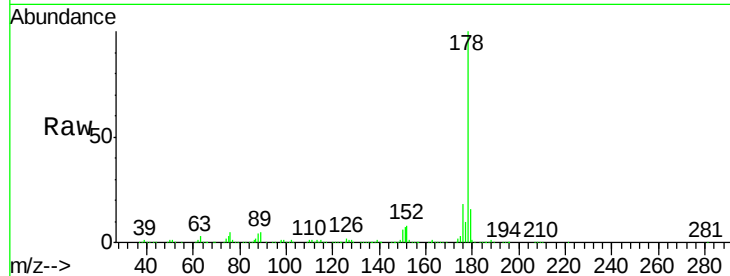
ClientSampleId :

GASG8MEDL

Tot Ion:	178	Resp:	664293
Ion Ratio	Lower	Upper	
178	100		
179	16.4	12.3	18.5
176	17.6	14.6	22.0

Manual Integrations
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#75

Carbazole

Concen: 2.482 ng/ul

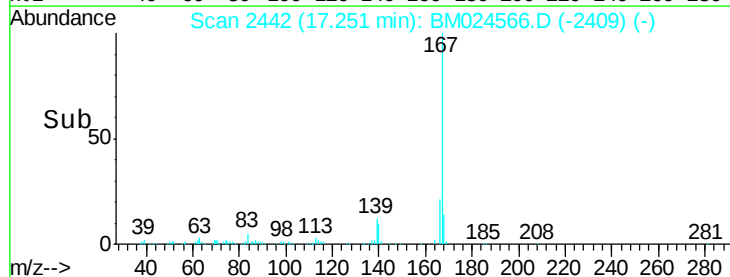
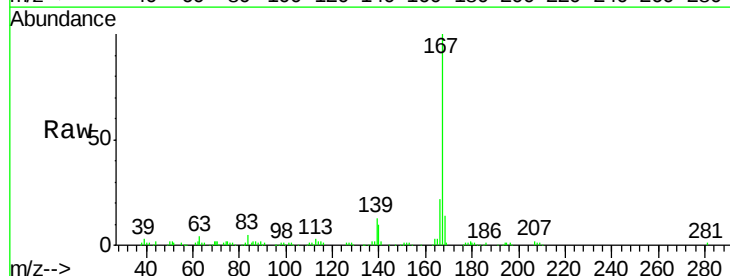
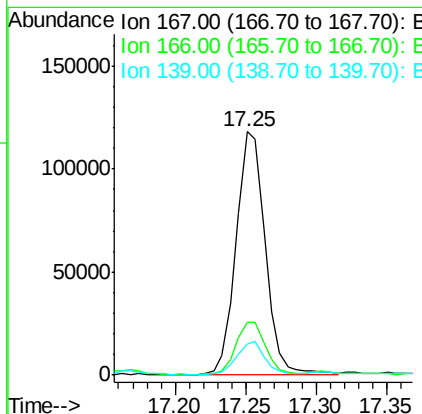
RT: 17.25 min Scan# 2442

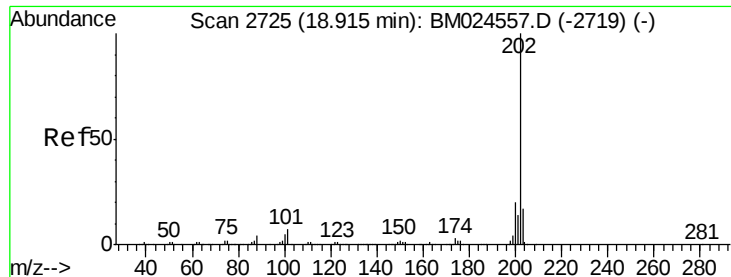
Delta R.T. -0.01 min

Lab File: BM024566.D

Acq: 21 Jan 2020 16:55

Tgt Ion:	167	Resp:	172103
Ion Ratio	Lower	Upper	
167	100		
166	21.8	17.1	25.7
139	12.9	10.6	15.8





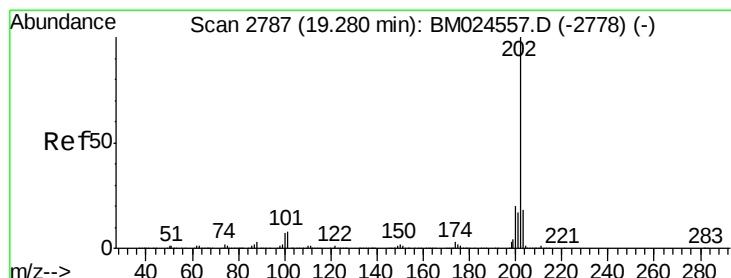
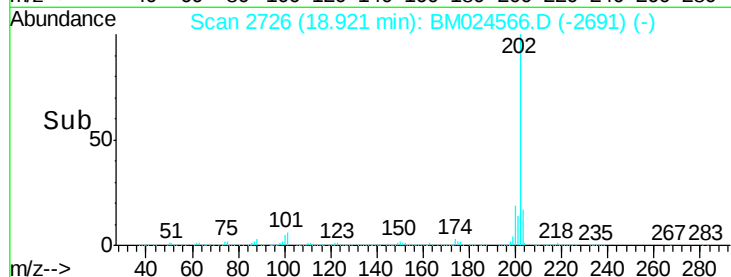
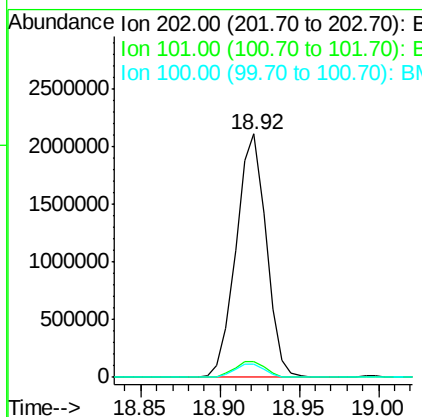
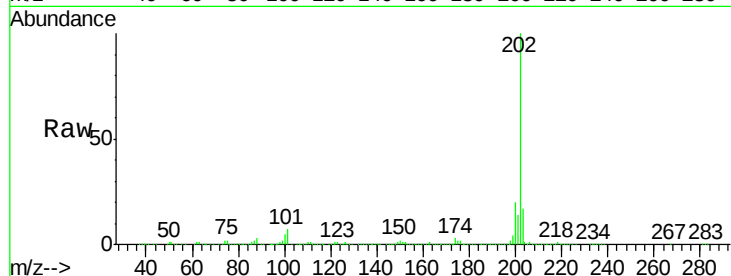
#77
Fluoranthene
Concen: 28.042 ng/ul
RT: 18.92 min Scan# 2726
Delta R.T. 0.01 min
Lab File: BM024566.D
Acq: 21 Jan 2020 16:55

Instrument :
BNA_M
ClientSampleId :
GASG8MEDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		2769390		
101	6.6	5.4	8.2		
100	5.4	4.3	6.5		

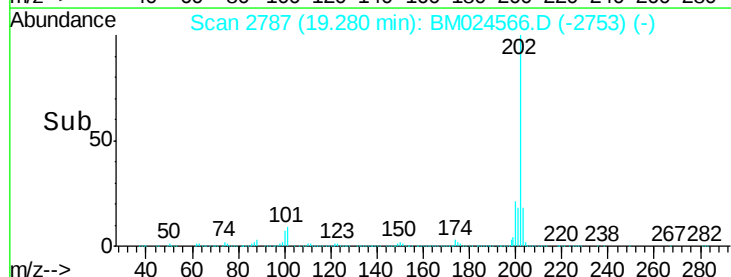
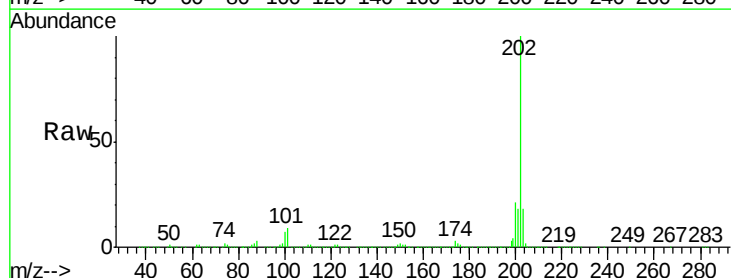
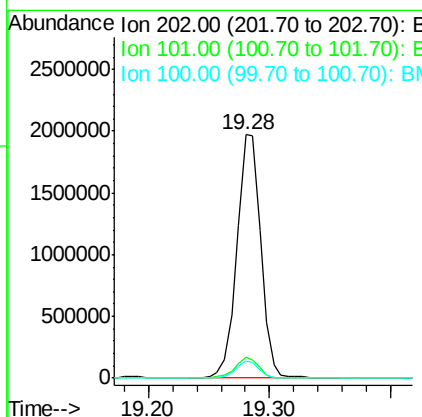
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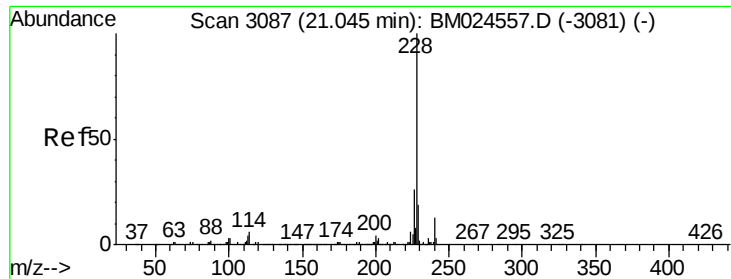
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#80
Pyrene
Concen: 25.119 ng/ul
RT: 19.28 min Scan# 2787
Delta R.T. 0.00 min
Lab File: BM024566.D
Acq: 21 Jan 2020 16:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		2718903		
101	8.5	6.5	9.7		
100	7.1	5.0	7.6		





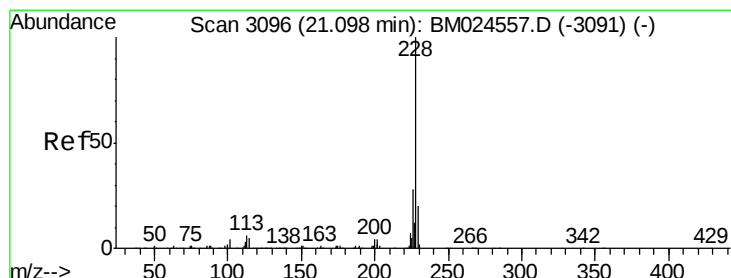
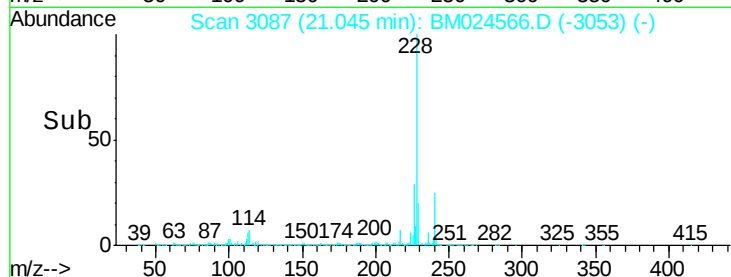
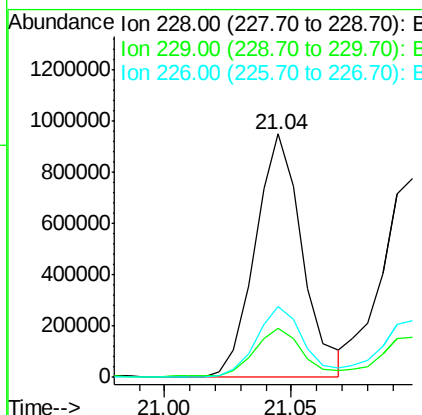
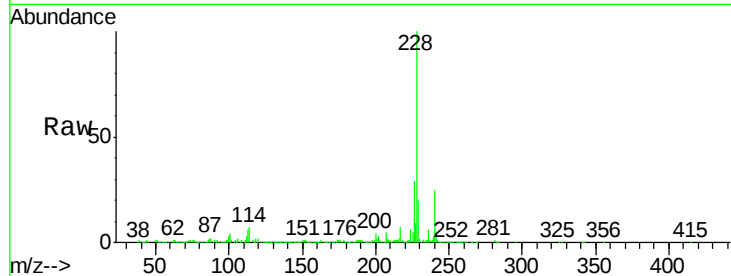
#83
Benzo(a)anthracene
Concen: 11.425 ng/ul
RT: 21.04 min Scan# 3087
Delta R.T. 0.00 min
Lab File: BM024566.D
Acq: 21 Jan 2020 16:55

Instrument :
BNA_M
ClientSampleId :
GASG8MEDL

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.9	23.9
226	29.0	21.1	31.7

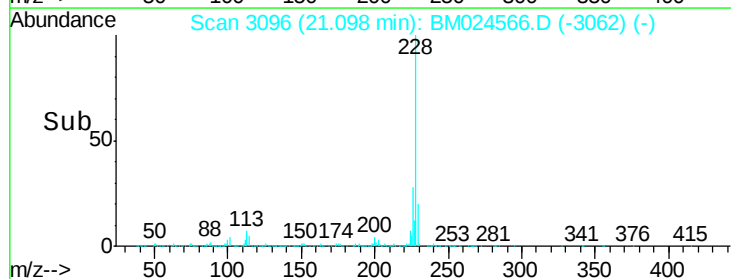
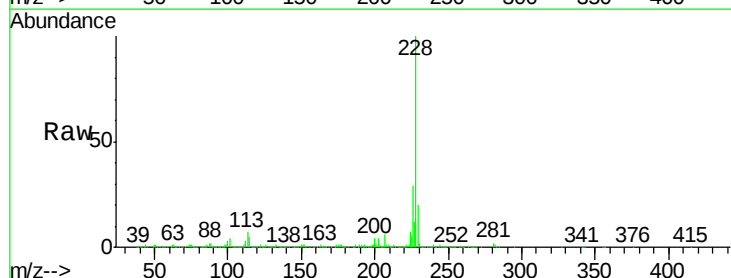
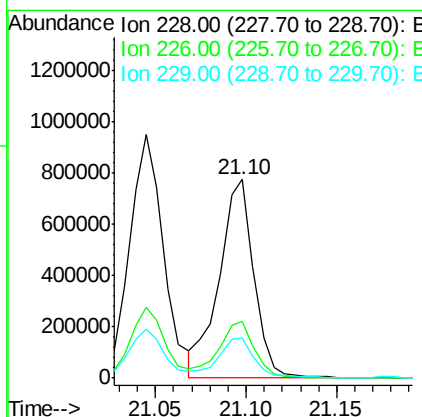
Manual Integrations
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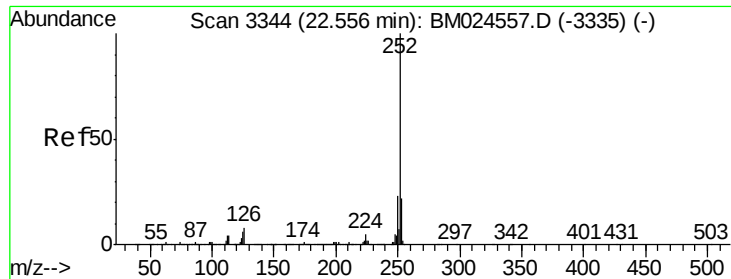
mohammad
1/23/2020 7:57:33 AM



#85
Chrysene
Concen: 9.847 ng/ul
RT: 21.10 min Scan# 3096
Delta R.T. 0.00 min
Lab File: BM024566.D
Acq: 21 Jan 2020 16:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.4	35.2
229	20.1	16.1	24.1





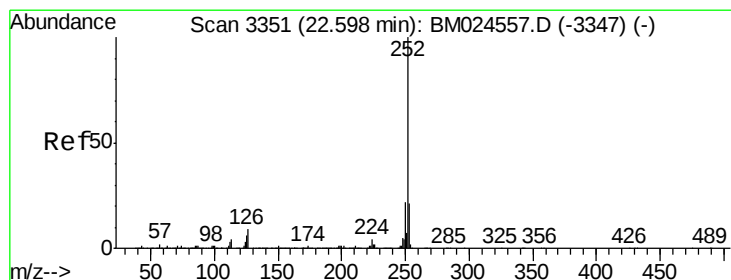
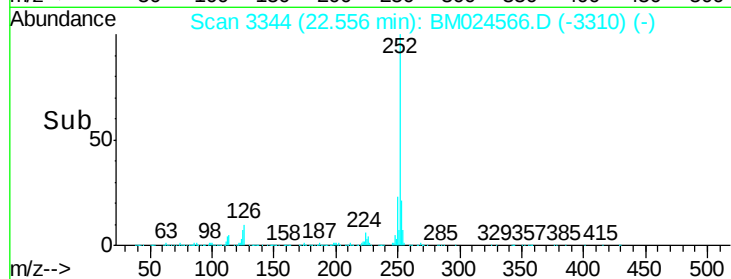
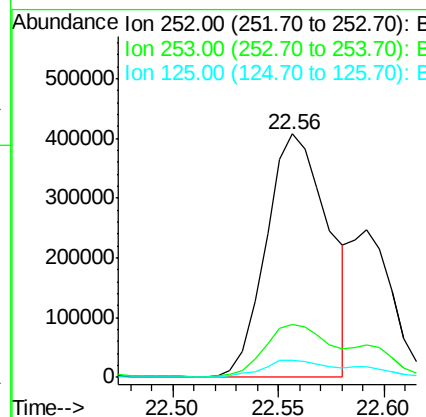
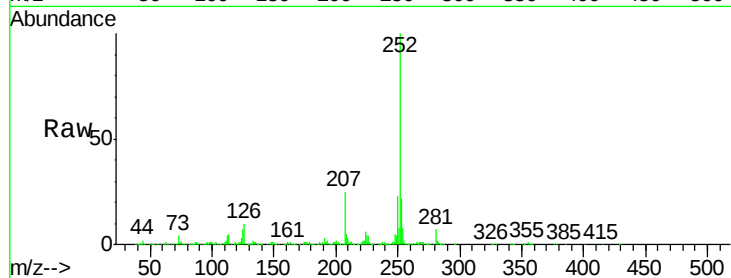
#88
Benzo(b)fluoranthene
Concen: 8.738 ng/ul
RT: 22.56 min Scan# 3344
Delta R.T. 0.00 min
Lab File: BM024566.D
Acq: 21 Jan 2020 16:55

Instrument :
BNA_M
ClientSampleId :
GASG8MEDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.6
125	7.2	5.3	7.9

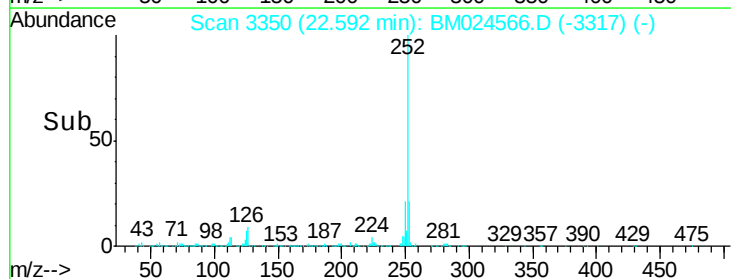
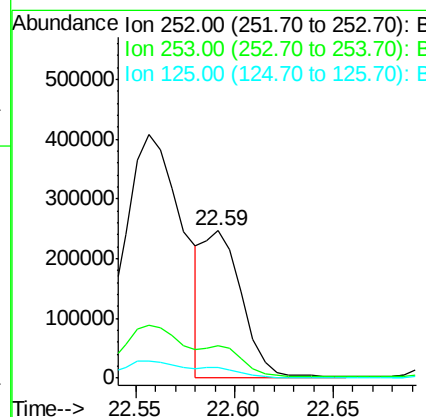
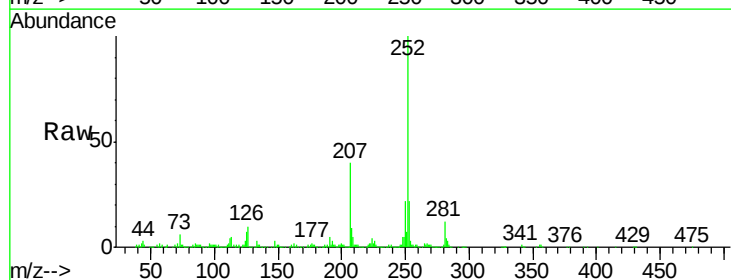
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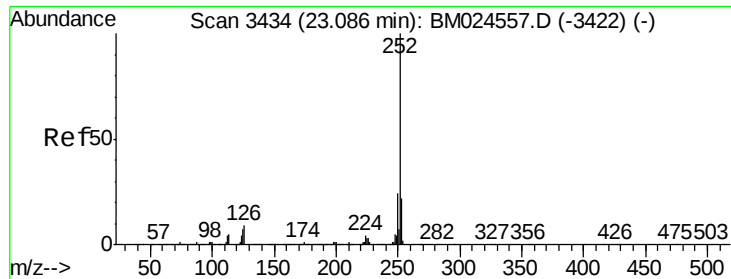
mohammad
1/23/2020 7:57:33 AM



#89
Benzo(k)fluoranthene
Concen: 3.648 ng/ul m
RT: 22.59 min Scan# 3350
Delta R.T. -0.01 min
Lab File: BM024566.D
Acq: 21 Jan 2020 16:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	6.8	5.2	7.8





#91

Benzo(a)pyrene

Concen: 7.014 ng/ul

RT: 23.09 min Scan# 3434

Delta R.T. 0.00 min

Lab File: BM024566.D

Acq: 21 Jan 2020 16:55

Instrument :

BNA_M

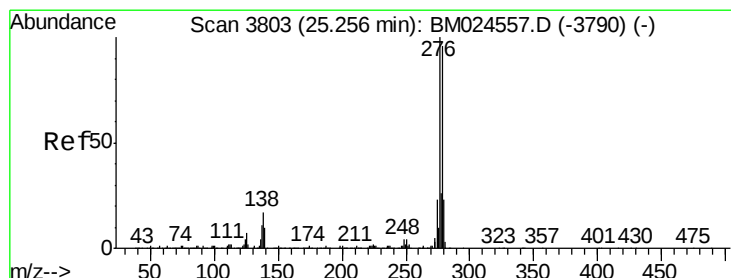
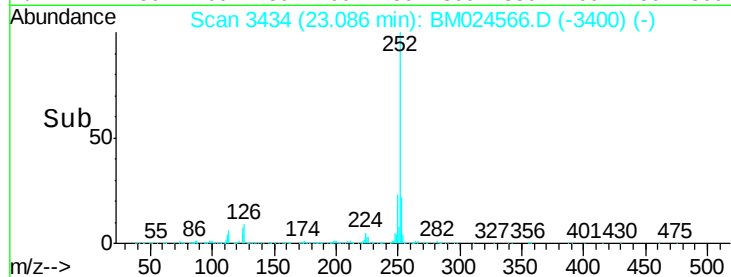
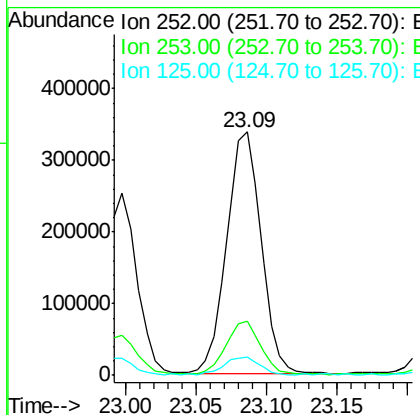
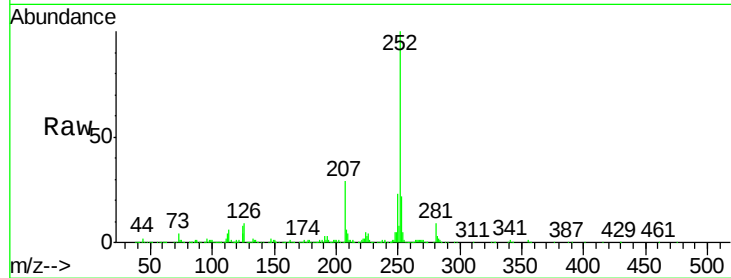
ClientSampleId :

GAS8MEDL

Tot Ion:	252	Resp:	578842
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.5	26.3
125	7.5	5.7	8.5

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#92

Indeno(1,2,3-cd)pyrene

Concen: 3.638 ng/ul

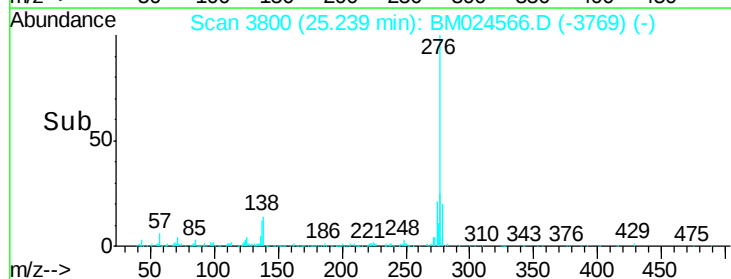
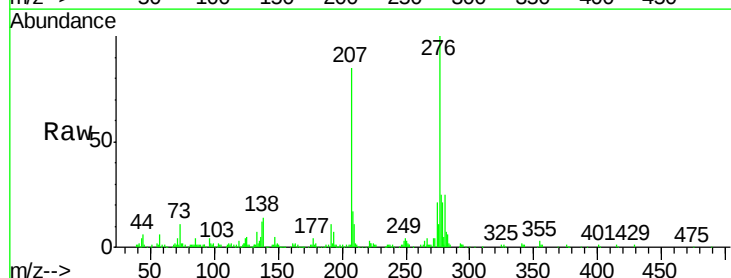
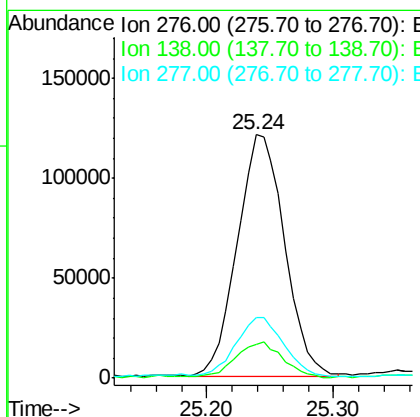
RT: 25.24 min Scan# 3800

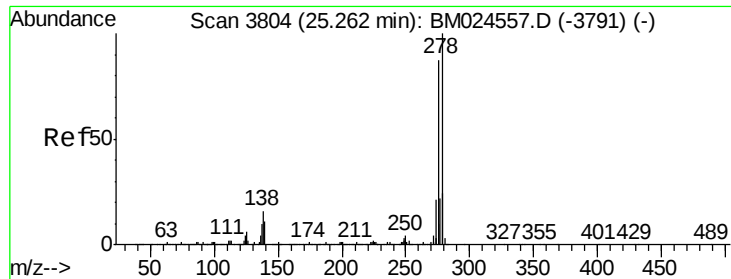
Delta R.T. -0.02 min

Lab File: BM024566.D

Acq: 21 Jan 2020 16:55

Tgt Ion:	276	Resp:	314173
Ion Ratio	Lower	Upper	
276	100		
138	13.7	12.5	18.7
277	25.0	19.0	28.6





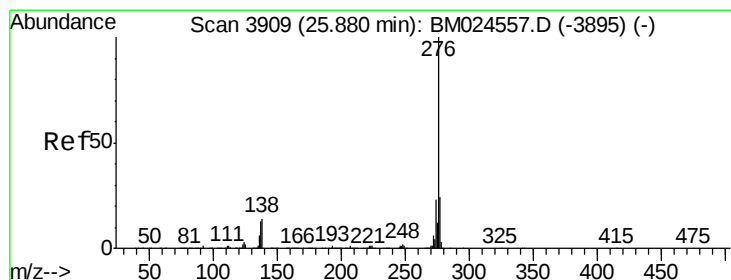
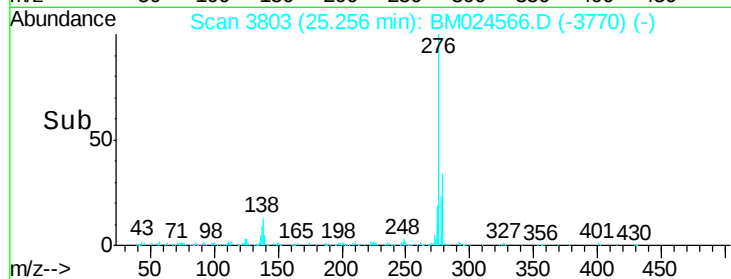
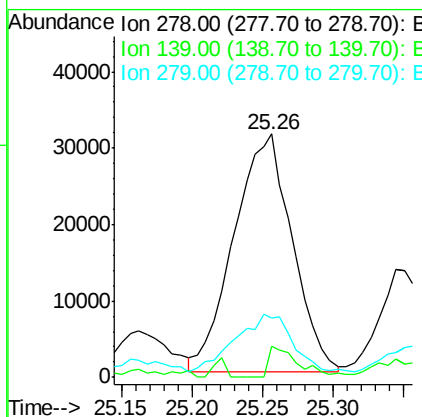
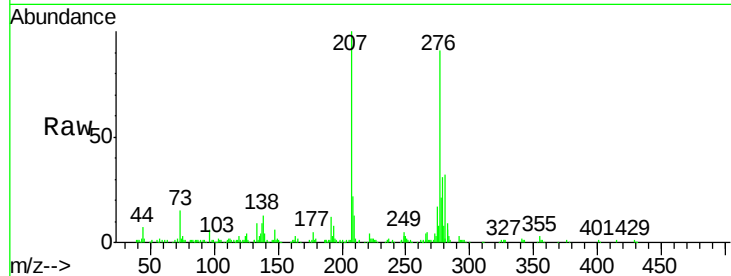
#93
Dibenzo(a,h)anthracene
Concen: 1.227 ng/ul
RT: 25.26 min Scan# 3803
Delta R.T. -0.01 min
Lab File: BM024566.D
Acq: 21 Jan 2020 16:55

Instrument :
BNA_M
ClientSampleId :
GASG8MEDL

Tot Ion	Ratio	Lower	Upper
278	100		
139	12.7	8.7	13.1
279	24.2	18.6	27.8

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#94
Benzo(g,h,i)perylene
Concen: 3.746 ng/ul
RT: 25.87 min Scan# 3908
Delta R.T. -0.01 min
Lab File: BM024566.D
Acq: 21 Jan 2020 16:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.0	12.2	18.2
277	23.8	18.8	28.2

