

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
 Data File : BM024567.D
 Acq On : 21 Jan 2020 17:31
 Operator : JU
 Sample : L1109-10MEDL 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GASG9MEDL

Manual Integrations
 APPROVED

mohammad
 1/23/2020 7:57:36 AM

Quant Time: Jan 22 02:46:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 22 02:05:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	205370	20.00	ng/ul	0.00
18) Naphthalene-d8	10.21	136	897718	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.10	164	640451	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.85	188	1468711	20.00	ng/ul	0.00
78) Chrysene-d12	21.06	240	1508839	20.00	ng/ul	0.00
86) Perylene-d12	23.17	264	1400600	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	2751	0.65	ng/uL	0.00
5) Phenol-d5	6.65	99	43598	2.86	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.80	67	25804	3.05	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	40103	3.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	37973	2.71	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	20634	3.27	ng/ul	0.00
22) 2-Nitrophenol-d4	9.30	143	21852	3.20	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	44347	2.88	ng/ul	0.00
29) 4-Chloroaniline-d4	10.35	131	59864	3.50	ng/ul	0.00
44) Dimethylphthalate-d6	13.52	166	156431	3.12	ng/ul	0.00
47) Acenaphthylene-d8	13.79	160	177657	3.08	ng/ul	0.00
52) 4-Nitrophenol-d4	14.32	143	17853	2.13	ng/ul	0.00
58) Fluorene-d10	15.10	176	136164	3.08	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.23	200	15408	1.84	ng/ul	0.00
71) Anthracene-d10	16.95	188	224123	3.28	ng/ul	0.00
79) Pyrene-d10	19.25	212	259933	3.22	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.04	264	225559	3.10	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.26	128	66603	1.448	ng/ul 97
34) 2-Methylnaphthalene	11.89	142	256305	7.182	ng/ul 98
41) 1,1'-Biphenyl	12.92	154	175540	3.775	ng/ul 100
48) Acenaphthylene	13.82	152	337059	5.713	ng/ul 98
50) Acenaphthene	14.16	153	86306	2.161	ng/ul 91
54) Dibenzofuran	14.50	168	468968	8.017	ng/ul 99
59) Fluorene	15.16	166	473772	9.579	ng/ul 99
70) Phenanthrene	16.89	178	2364113	29.847	ng/ul 100
72) Anthracene	16.98	178	713142	8.829	ng/ul 99
75) Carbazole	17.25	167	195360	2.875	ng/ul 99
77) Fluoranthene	18.92	202	1480722	15.296	ng/ul 99
80) Pyrene	19.28	202	1384155	13.401	ng/ul 99
83) Benzo(a)anthracene	21.04	228	791705	7.703	ng/ul 97
85) Chrysene	21.10	228	602741	6.086	ng/ul 99
88) Benzo(b)fluoranthene	22.56	252	516550	5.580	ng/ul 100
89) Benzo(k)fluoranthene	22.59	252	157083m	1.727	ng/ul
91) Benzo(a)pyrene	23.09	252	389458	4.841	ng/ul 99
92) Indeno(1,2,3-cd)pyrene	25.24	276	146496	1.740	ng/ul 97
94) Benzo(g,h,i)perylene	25.87	276	114775	1.716	ng/ul 99

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

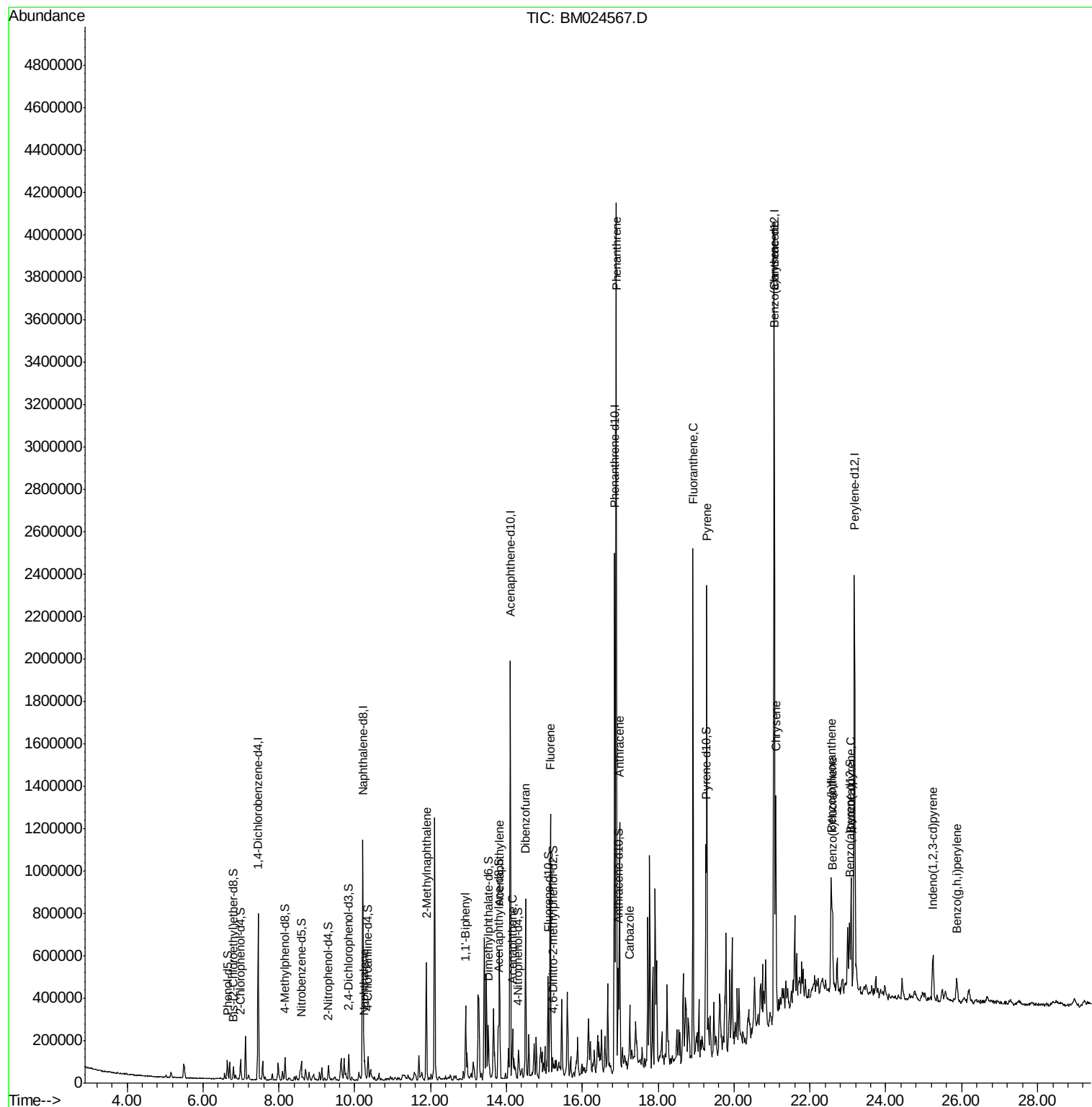
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
Data File : BM024567.D
Acq On : 21 Jan 2020 17:31
Operator : JU
Sample : L1109-10MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

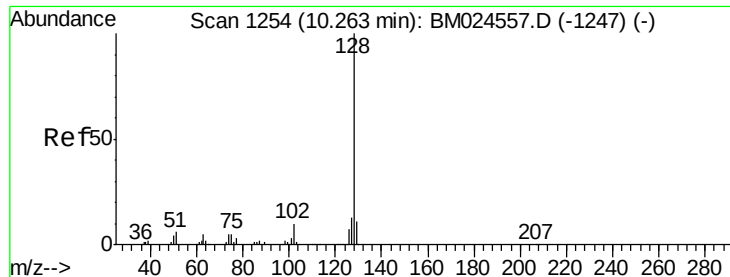
Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
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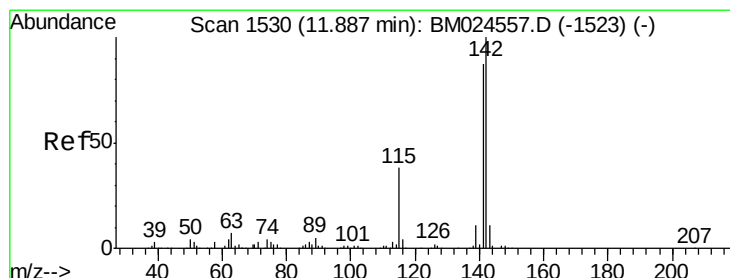
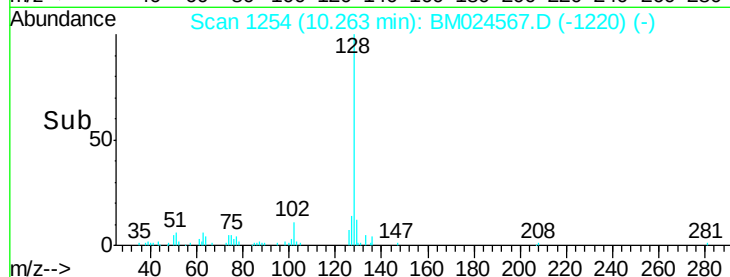
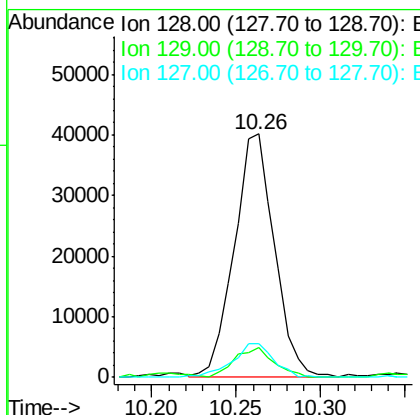
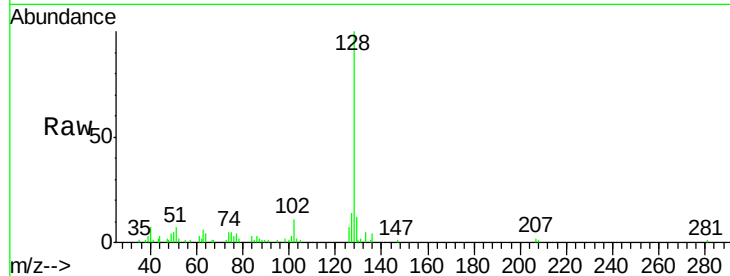
#28
Naphthalene
Concen: 1.448 ng/ul
RT: 10.26 min Scan# 1254
Delta R.T. -0.00 min
Lab File: BM024567.D
Acq: 21 Jan 2020 17:31

Instrument :
BNA_M
ClientSampled :
GASG9MEDL

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.1	8.8	13.2
127	13.9	10.4	15.6

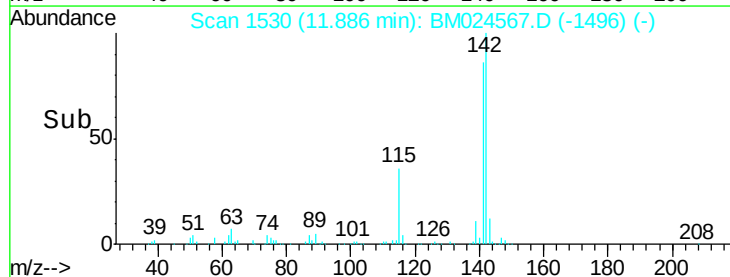
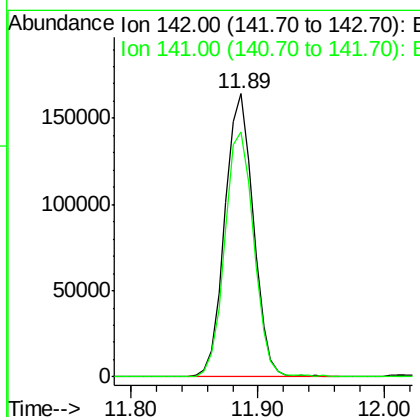
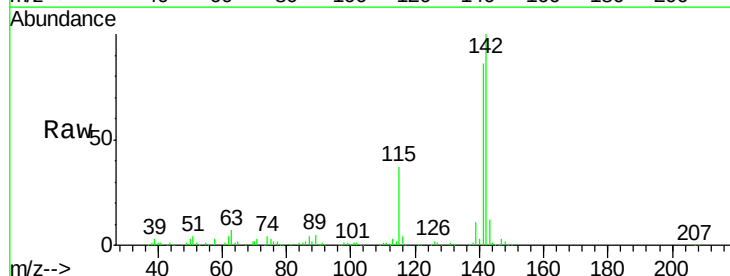
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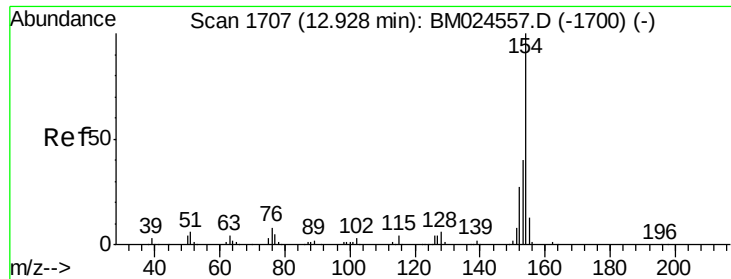
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#34
2-Methylnaphthalene
Concen: 7.182 ng/ul
RT: 11.89 min Scan# 1530
Delta R.T. -0.00 min
Lab File: BM024567.D
Acq: 21 Jan 2020 17:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.4	70.4	105.6





#41

1,1'-Biphenyl

Concen: 3.775 ng/ul

RT: 12.92 min Scan# 1706

Delta R.T. -0.01 min

Lab File: BM024567.D

Acq: 21 Jan 2020 17:31

Instrument :

BNA_M

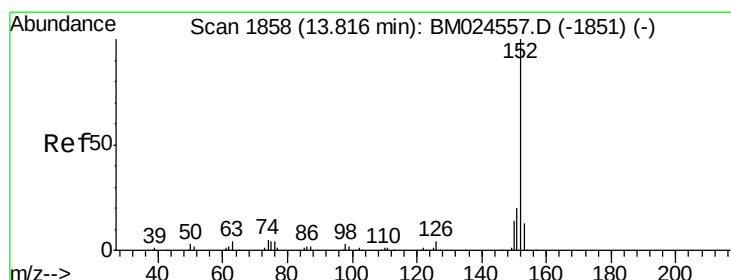
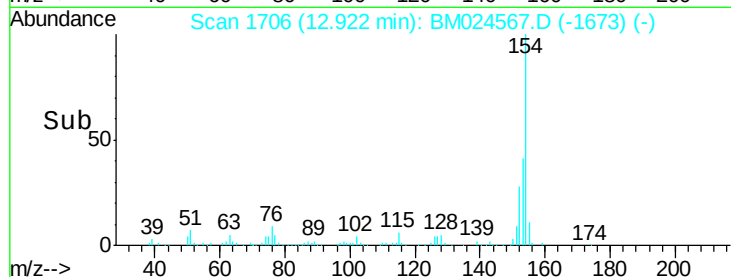
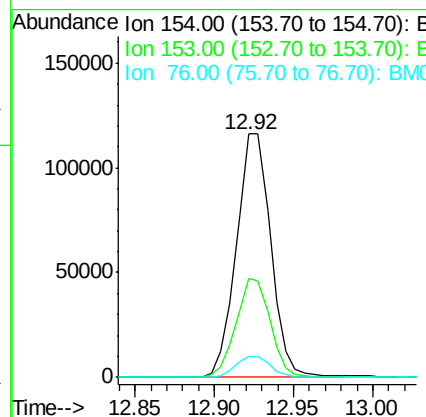
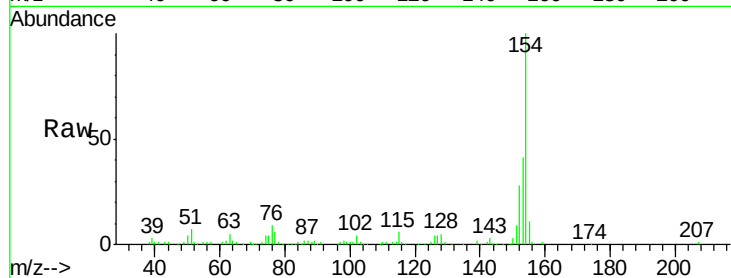
ClientSampleId :

GASG9MEDL

Tot Ion:	154	Resp:	175540
Ion Ratio	Lower	Upper	
154	100		
153	40.6	32.3	48.5
76	8.7	7.0	10.6

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#48

Acenaphthylene

Concen: 5.713 ng/ul

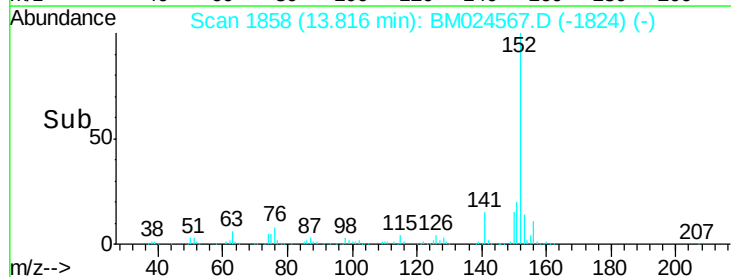
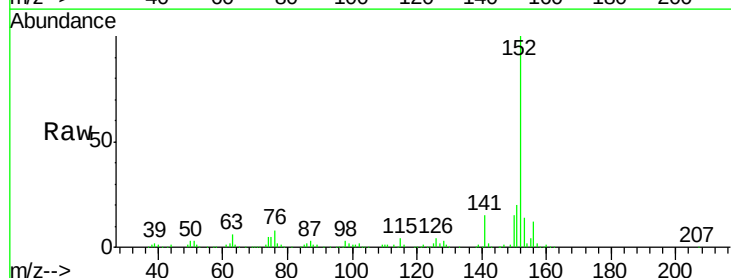
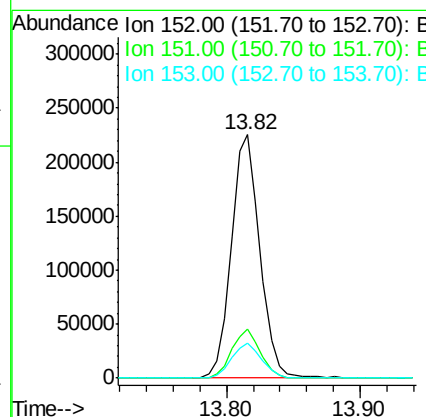
RT: 13.82 min Scan# 1858

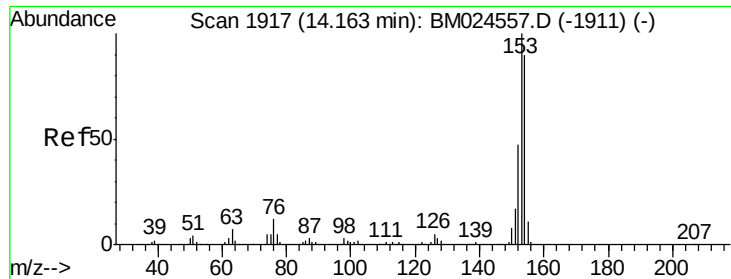
Delta R.T. -0.00 min

Lab File: BM024567.D

Acq: 21 Jan 2020 17:31

Tgt Ion:	152	Resp:	337059
Ion Ratio	Lower	Upper	
152	100		
151	20.4	15.9	23.9
153	14.5	10.3	15.5





#50

Acenaphthene

Concen: 2.161 ng/ul

RT: 14.16 min Scan# 1917

Delta R.T. -0.00 min

Lab File: BM024567.D

Acq: 21 Jan 2020 17:31

Instrument :

BNA_M

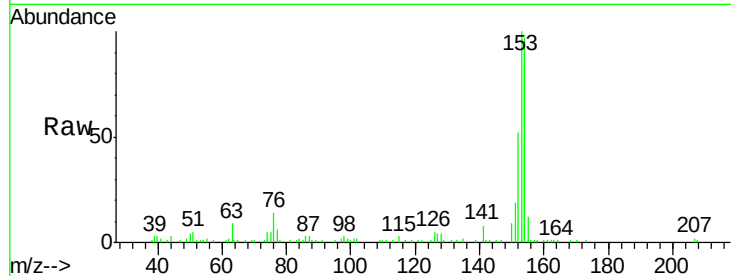
ClientSampleId :

GASG9MEDL

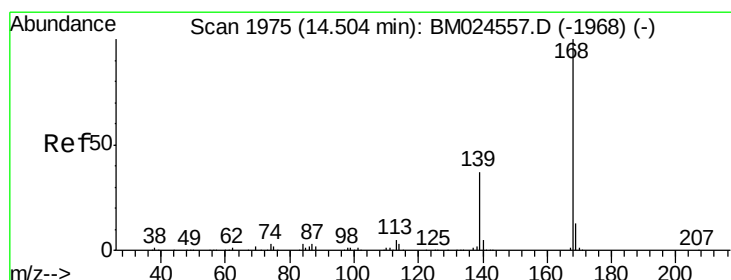
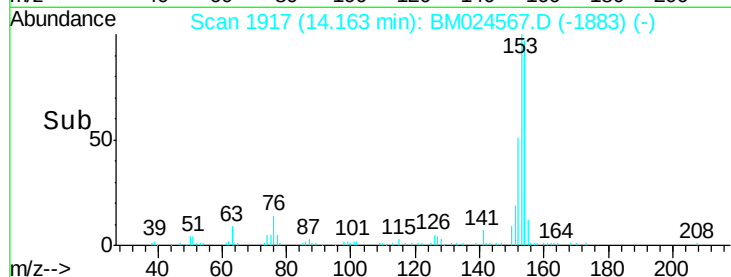
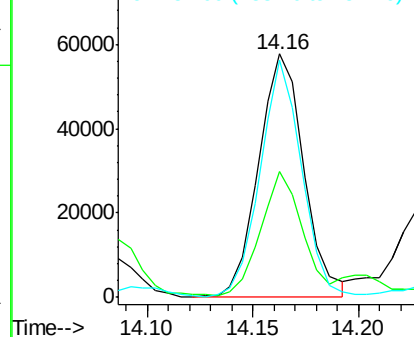
Tot Ion:	153	Resp:	86306
Ion Ratio	Lower	Upper	
153	100		
152	51.7	37.2	55.8
154	97.4	70.6	106.0

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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



#54

Dibenzofuran

Concen: 8.017 ng/ul

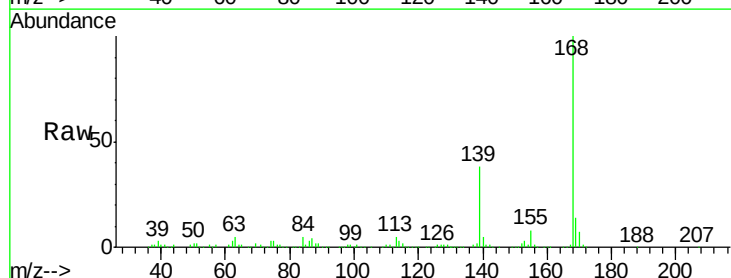
RT: 14.50 min Scan# 1975

Delta R.T. -0.00 min

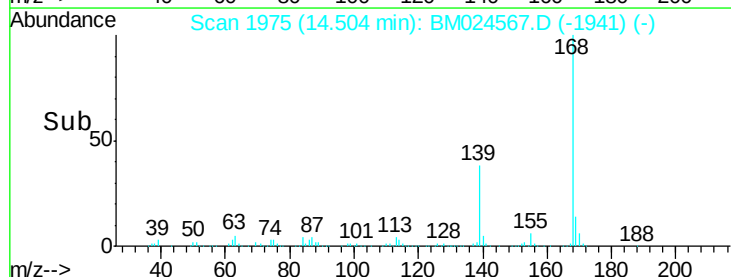
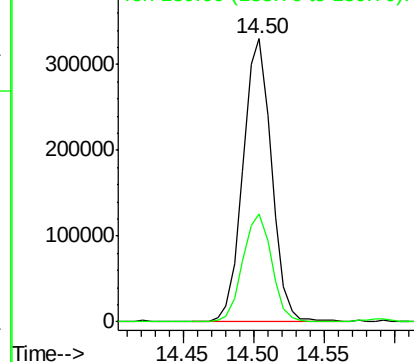
Lab File: BM024567.D

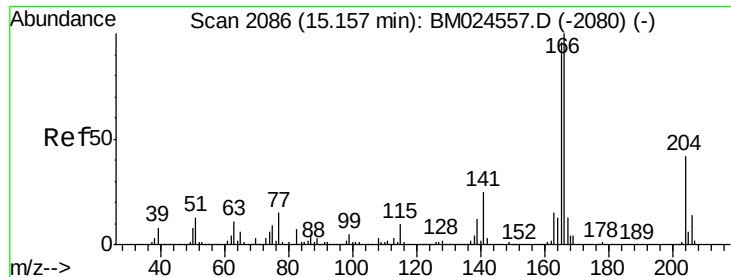
Acq: 21 Jan 2020 17:31

Tgt Ion:	168	Resp:	468968
Ion Ratio	Lower	Upper	
168	100		
139	38.0	30.7	46.1



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





#59

Fluorene

Concen: 9.579 ng/ul

RT: 15.16 min Scan# 2086

Delta R.T. -0.00 min

Lab File: BM024567.D

Acq: 21 Jan 2020 17:31

Instrument :

BNA_M

ClientSampleId :

GASG9MEDL

Tot Ion:166 Resp: 473772

Ion Ratio Lower Upper

166 100

165 98.2 79.6 119.4

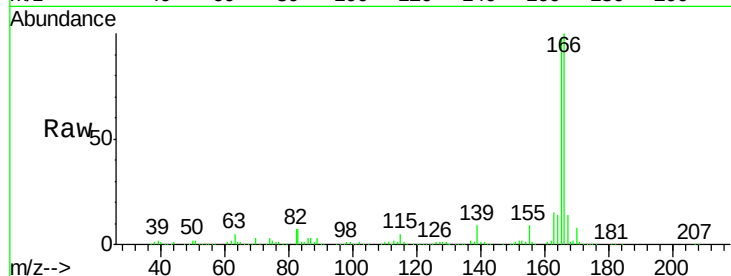
167 13.6 10.8 16.2

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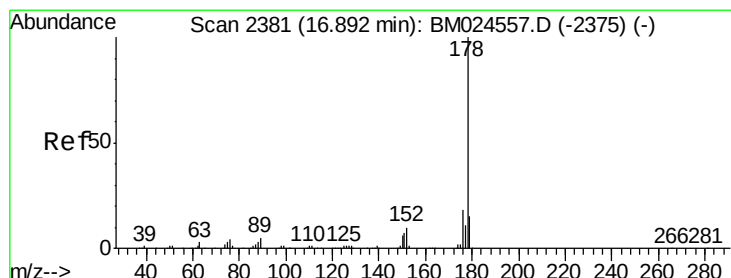
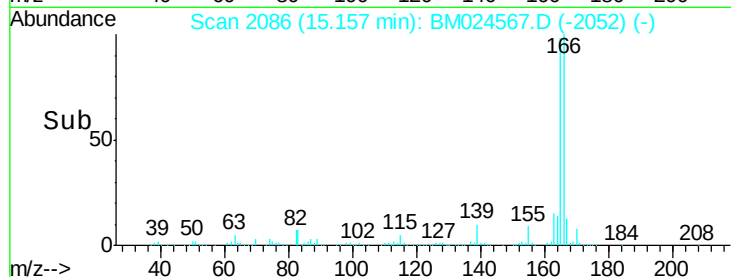
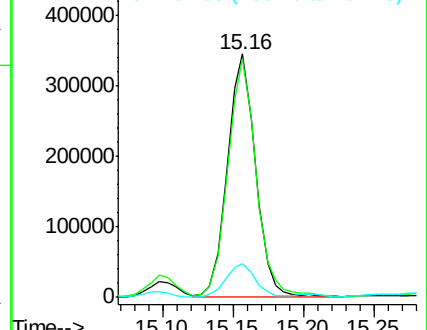
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 29.847 ng/ul

RT: 16.89 min Scan# 2381

Delta R.T. -0.00 min

Lab File: BM024567.D

Acq: 21 Jan 2020 17:31

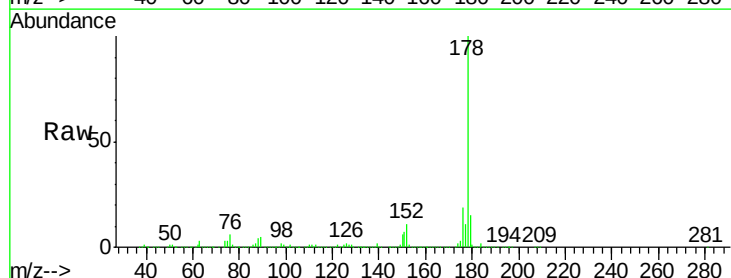
Tgt Ion:178 Resp: 2364113

Ion Ratio Lower Upper

178 100

179 15.0 12.3 18.5

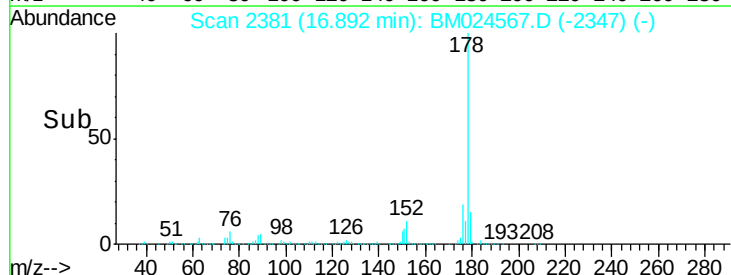
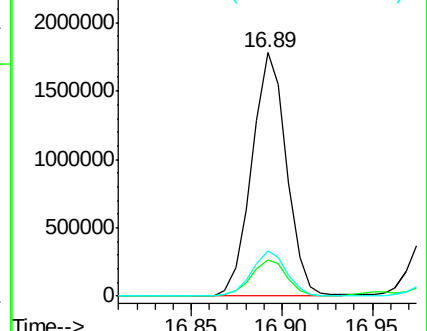
176 18.6 14.9 22.3

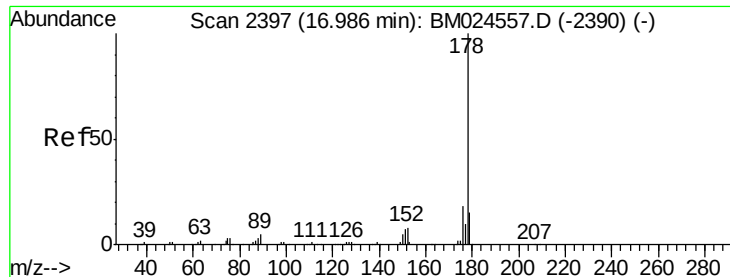


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 8.829 ng/ul

RT: 16.98 min Scan# 2396

Delta R.T. -0.01 min

Lab File: BM024567.D

Acq: 21 Jan 2020 17:31

Instrument :

BNA_M

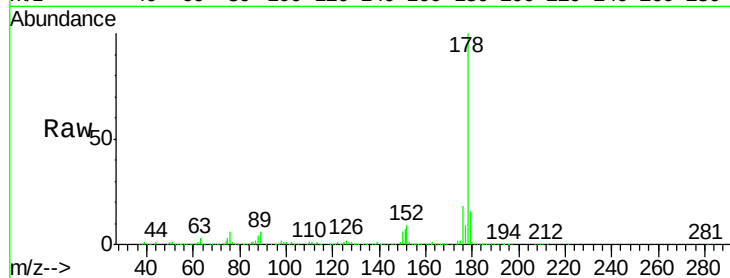
ClientSampleId :

GASG9MEDL

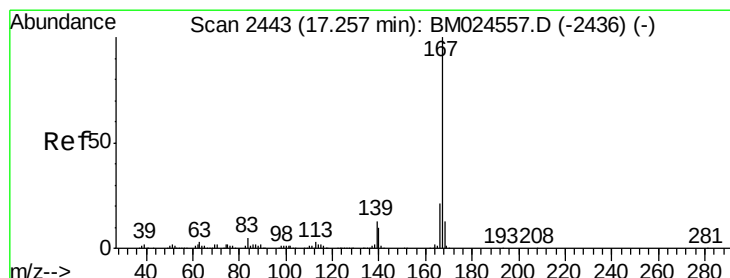
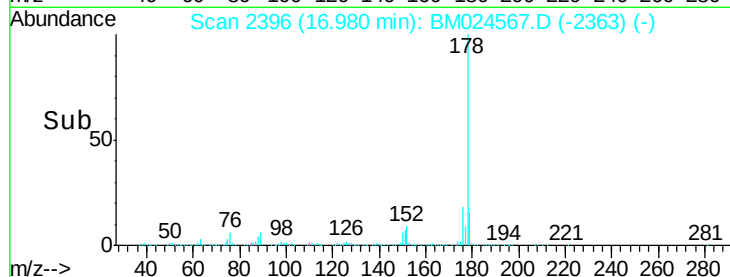
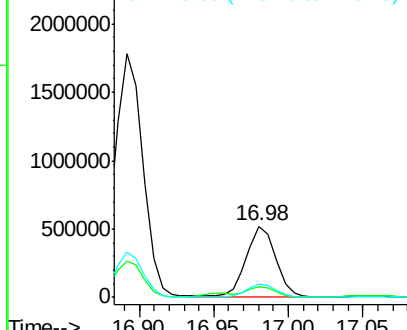
Tot Ion:	178	Resp:	713142
Ion Ratio	Lower	Upper	
178	100		
179	15.6	12.3	18.5
176	18.0	14.6	22.0

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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



#75

Carbazole

Concen: 2.875 ng/ul

RT: 17.25 min Scan# 2442

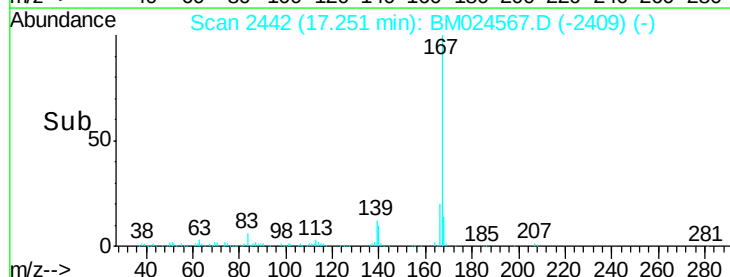
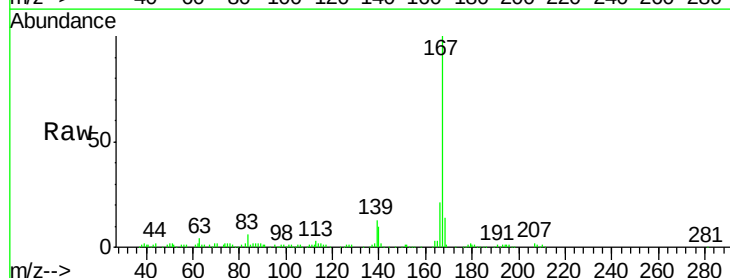
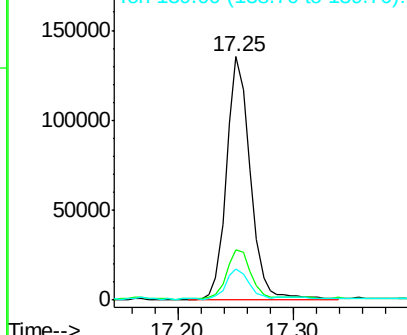
Delta R.T. -0.01 min

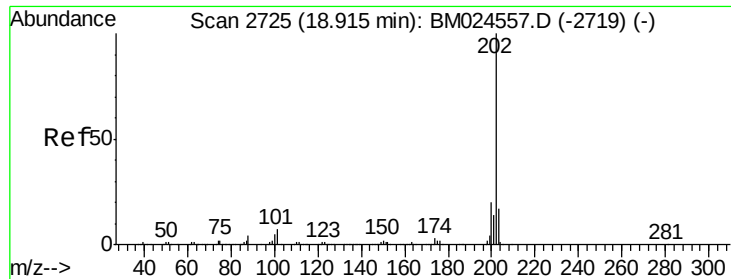
Lab File: BM024567.D

Acq: 21 Jan 2020 17:31

Tgt Ion:	167	Resp:	195360
Ion Ratio	Lower	Upper	
167	100		
166	20.6	17.1	25.7
139	12.8	10.6	15.8

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





#77

Fluoranthene

Concen: 15.296 ng/ul

RT: 18.92 min Scan# 2725

Delta R.T. -0.00 min

Lab File: BM024567.D

Acq: 21 Jan 2020 17:31

Instrument :

BNA_M

ClientSampleId :

GASG9MEDL

Tot Ion:202 Resp: 1480722

Ion Ratio Lower Upper

202 100

101 7.1 5.4 8.2

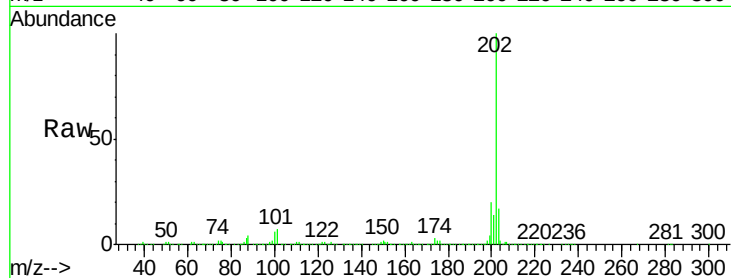
100 5.8 4.3 6.5

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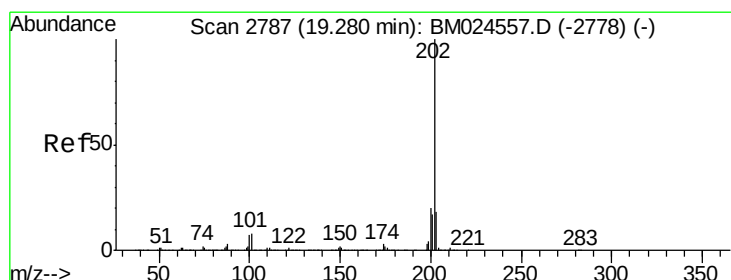
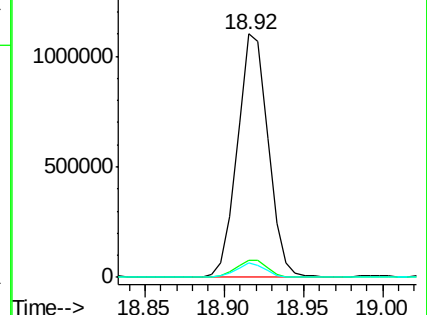
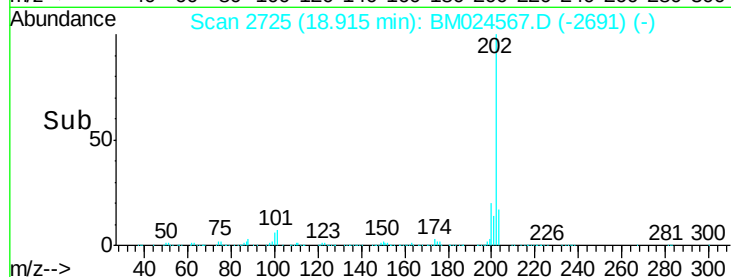
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Pyrene

Concen: 13.401 ng/ul

RT: 19.28 min Scan# 2787

Delta R.T. -0.00 min

Lab File: BM024567.D

Acq: 21 Jan 2020 17:31

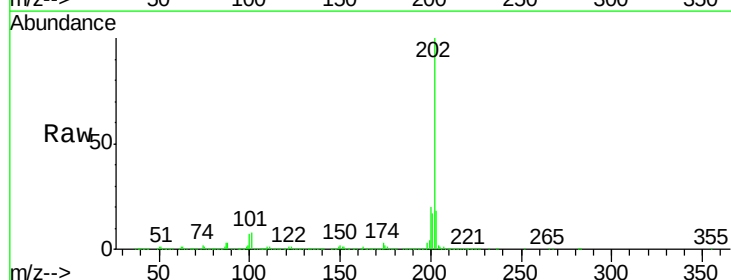
Tgt Ion:202 Resp: 1384155

Ion Ratio Lower Upper

202 100

101 8.3 6.5 9.7

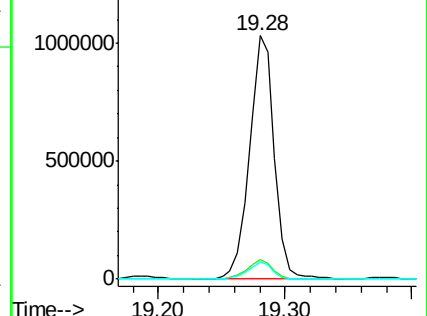
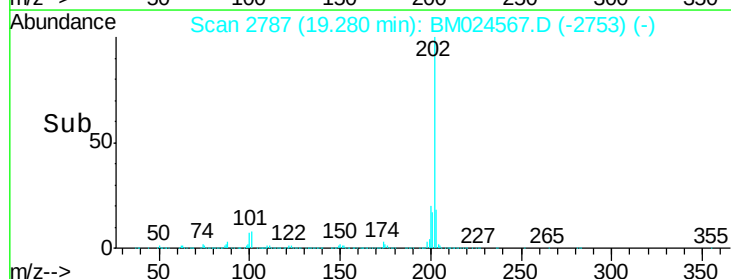
100 6.8 5.0 7.6

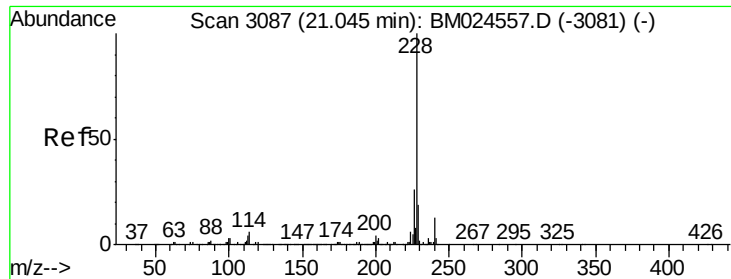


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





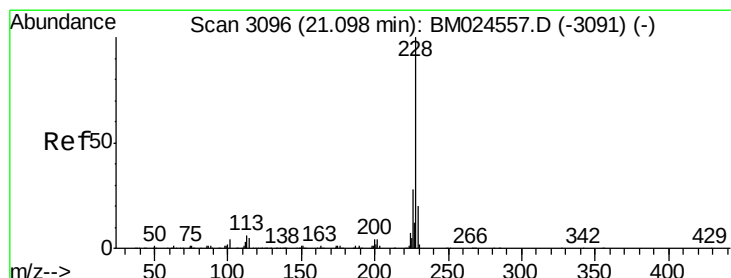
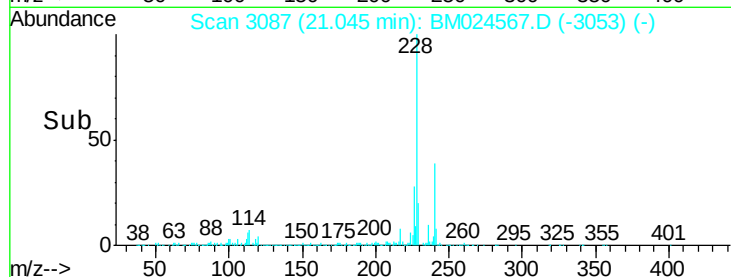
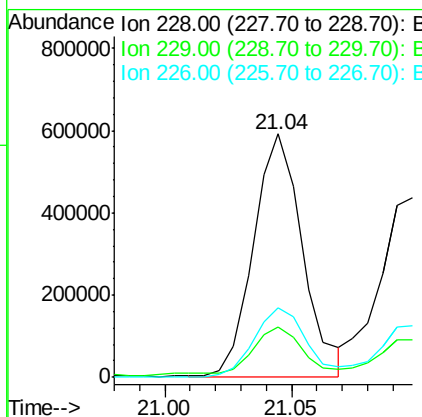
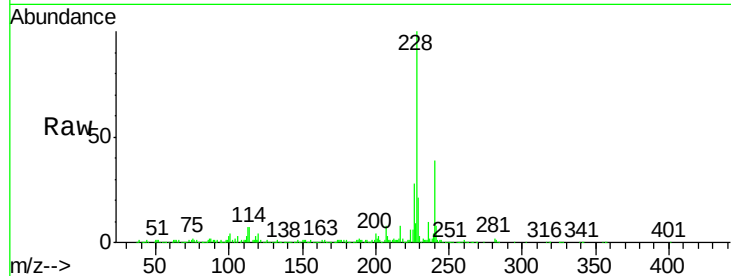
#83
Benzo(a)anthracene
Concen: 7.703 ng/ul
RT: 21.04 min Scan# 3087
Delta R.T. -0.00 min
Lab File: BM024567.D
Acq: 21 Jan 2020 17:31

Instrument :
BNA_M
ClientSampleId :
GASG9MEDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		791705		
229	20.8	15.9	23.9		
226	28.4	21.1	31.7		

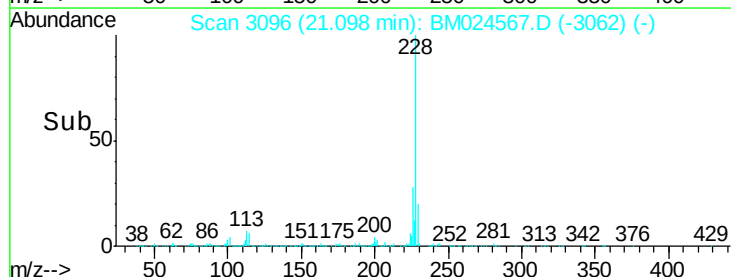
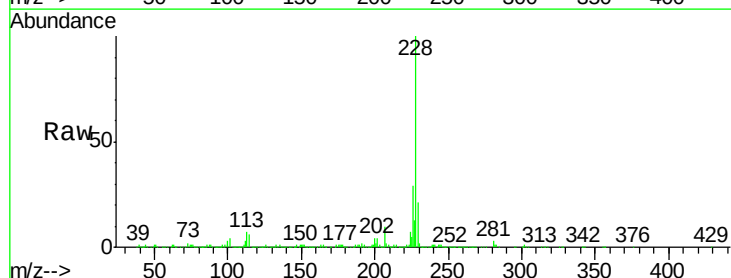
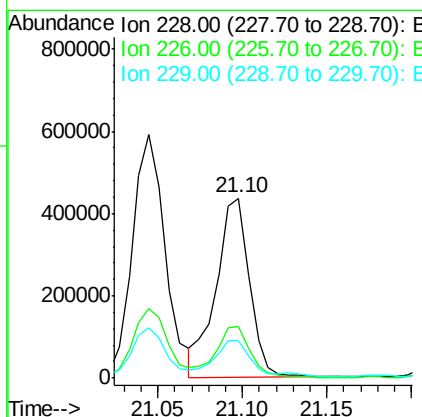
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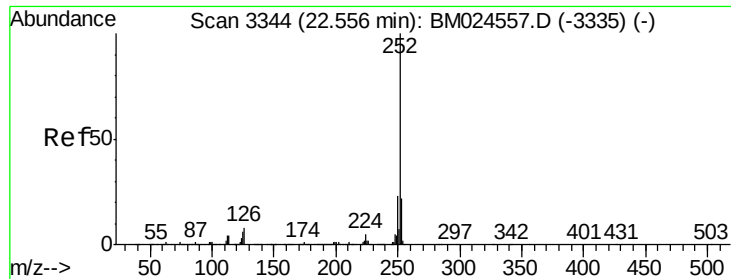
mohammad
1/23/2020 7:57:36 AM



#85
Chrysene
Concen: 6.086 ng/ul
RT: 21.10 min Scan# 3096
Delta R.T. -0.00 min
Lab File: BM024567.D
Acq: 21 Jan 2020 17:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		602741		
226	28.5	23.4	35.2		
229	20.7	16.1	24.1		





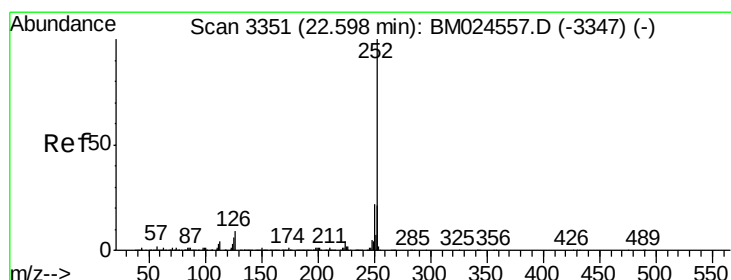
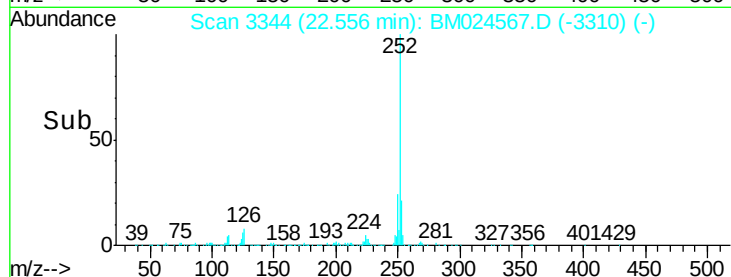
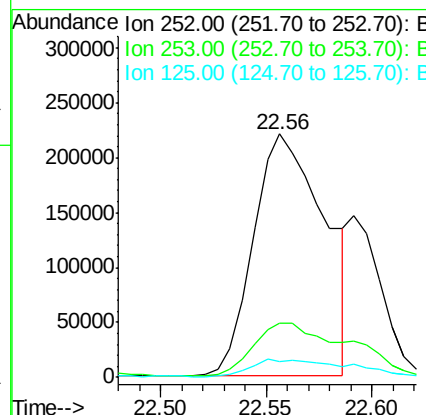
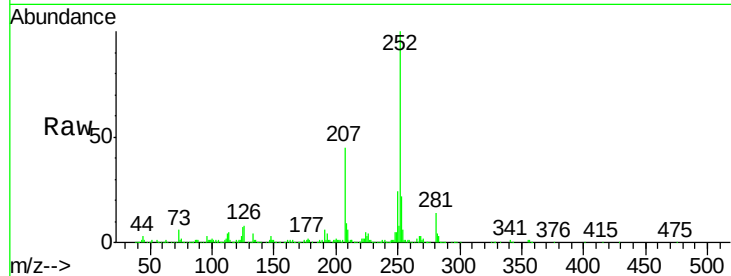
#88
Benzo(b)fluoranthene
Concen: 5.580 ng/ul
RT: 22.56 min Scan# 3344
Delta R.T. -0.00 min
Lab File: BM024567.D
Acq: 21 Jan 2020 17:31

Instrument :
BNA_M
ClientSampleId :
GASG9MEDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	6.7	5.3	7.9

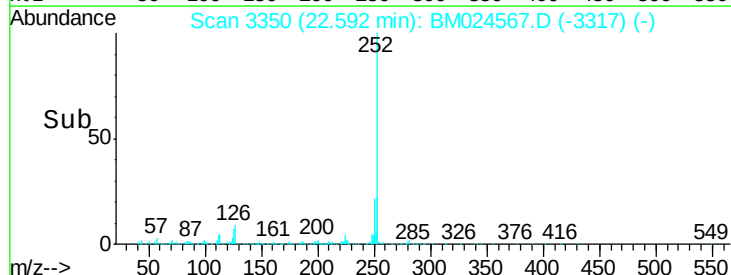
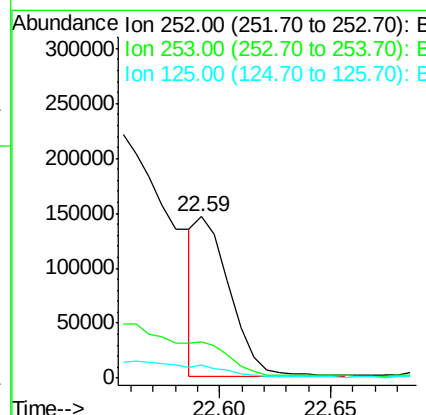
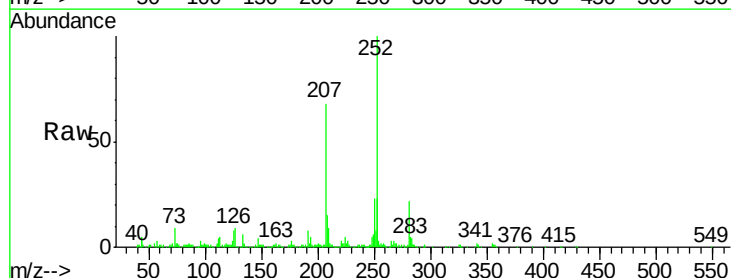
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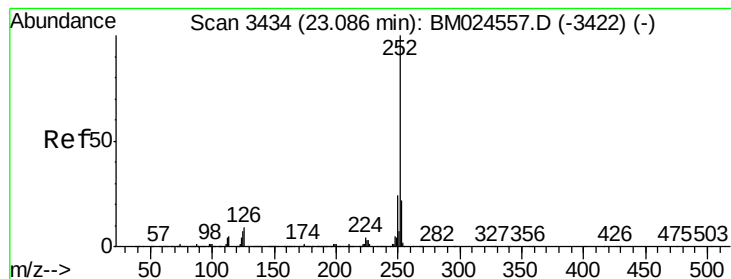
mohammad
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#89
Benzo(k)fluoranthene
Concen: 1.727 ng/ul m
RT: 22.59 min Scan# 3350
Delta R.T. -0.01 min
Lab File: BM024567.D
Acq: 21 Jan 2020 17:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	7.9	5.2	7.8#





#91

Benzo(a)pyrene

Concen: 4.841 ng/ul

RT: 23.09 min Scan# 3434

Delta R.T. -0.00 min

Lab File: BM024567.D

Acq: 21 Jan 2020 17:31

Instrument :

BNA_M

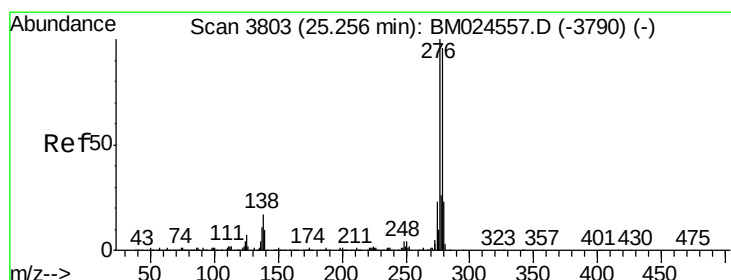
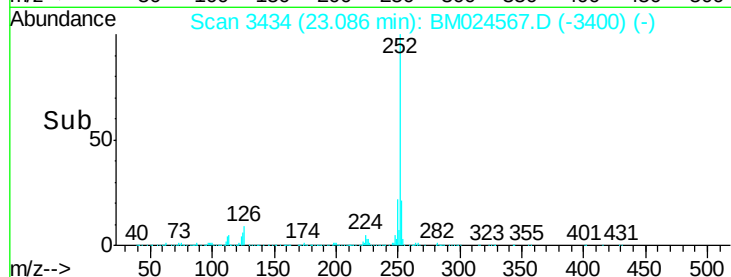
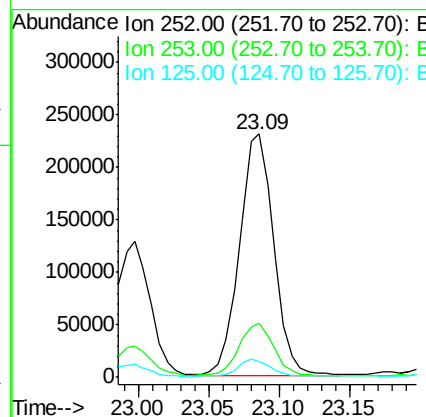
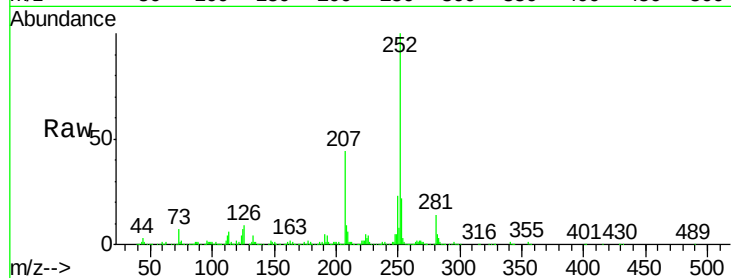
ClientSampleId :

GASG9MEDL

Tot Ion:	252	Resp:	389458
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.5	26.3
125	6.7	5.7	8.5

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#92

Indeno(1,2,3-cd)pyrene

Concen: 1.740 ng/ul

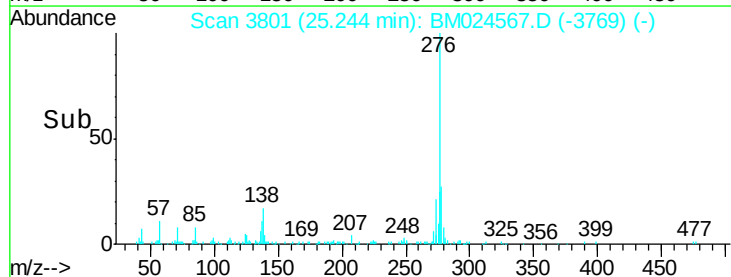
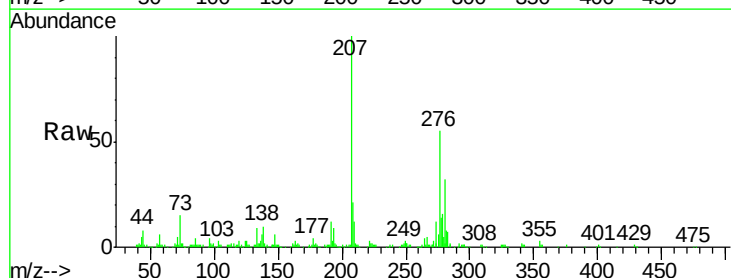
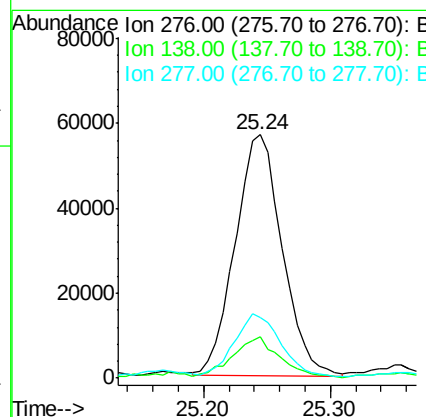
RT: 25.24 min Scan# 3801

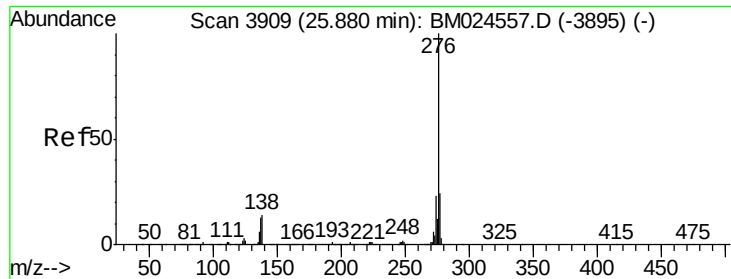
Delta R.T. -0.01 min

Lab File: BM024567.D

Acq: 21 Jan 2020 17:31

Tgt Ion:	276	Resp:	146496
Ion Ratio	Lower	Upper	
276	100		
138	17.3	12.5	18.7
277	24.7	19.0	28.6





#94
 Benzo(a,h,i)perylene
 Concen: 1.716 ng/ul
 RT: 25.87 min Scan# 3907
 Delta R.T. -0.01 min
 Lab File: BM024567.D
 Acq: 21 Jan 2020 17:31

Instrument :
 BNA_M
 ClientSampleId :
 GASG9MEDL

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.7	12.2	18.2
277	24.2	18.8	28.2

Manual Integrations
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mohammad
 1/23/2020 7:57:36 AM

