

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

Quant Time: Jan 22 02:07:32 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

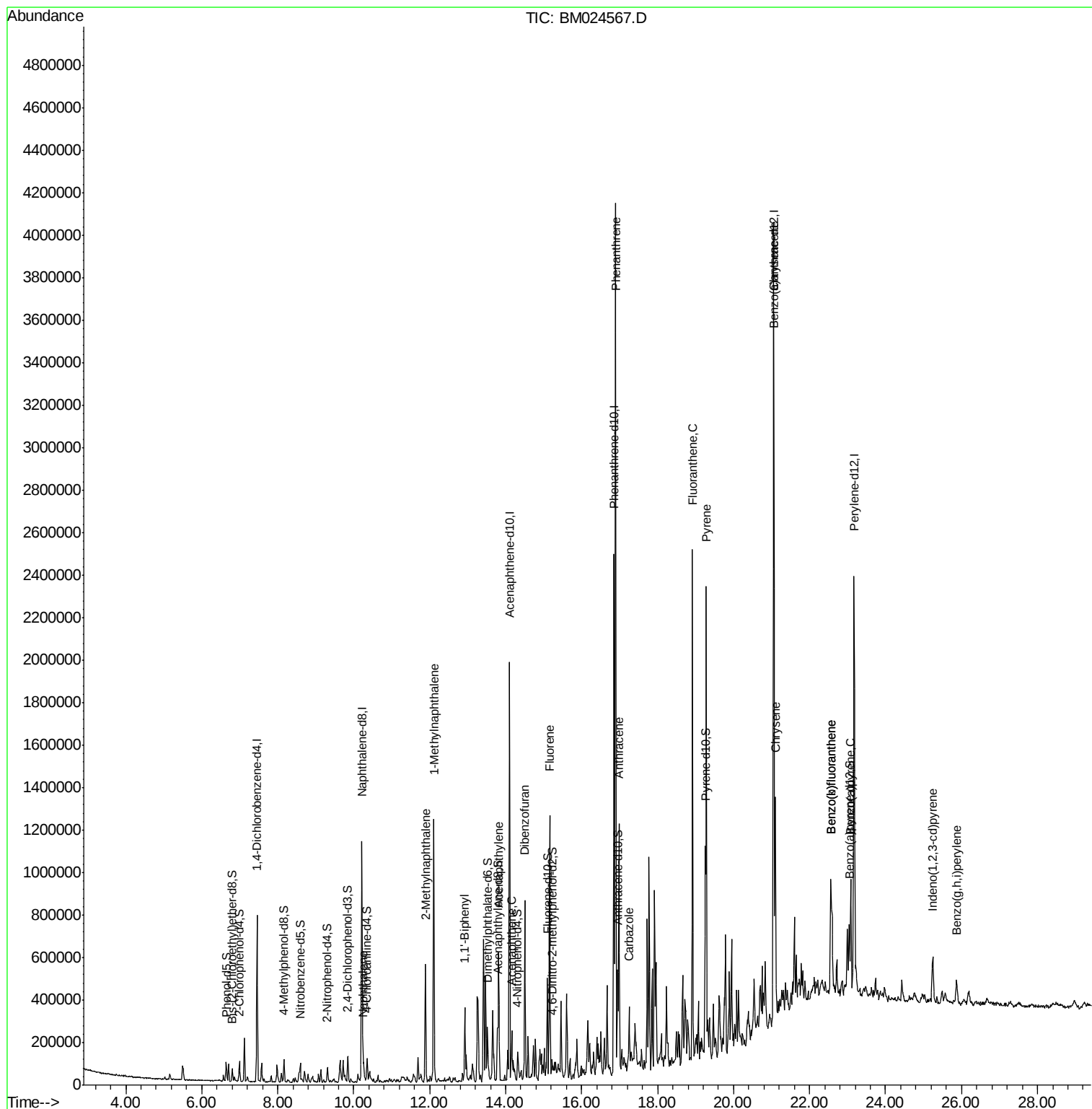
					Qvalue
28) Naphthalene	10.26	128	66603	1.448 ng/ul	97
34) 2-Methylnaphthalene	11.89	142	256305	7.182 ng/ul	98
35) 1-Methylnaphthalene	12.11	142	567344	15.682 ng/ul	98
41) 1,1'-Biphenyl	12.92	154	175540	3.775 ng/ul	100
48) Acenaphthylene	13.82	152	337059	5.713 ng/ul	98
50) Acenaphthene	14.16	153	86306	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	22.56	252	516550	5.678 ng/ul	99
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

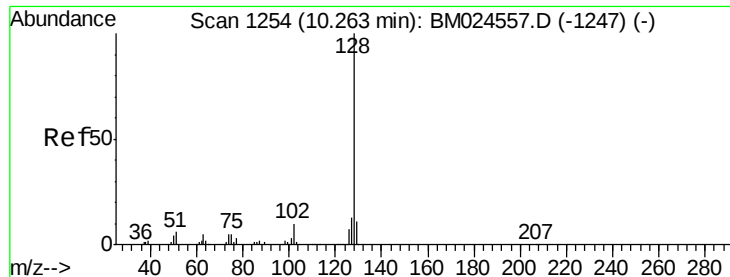
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 1.448 ng/ul

RT: 10.26 min Scan# 1254

Delta R.T. -0.00 min

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BNA_M

ClientSampleId :

GASG9MEDL

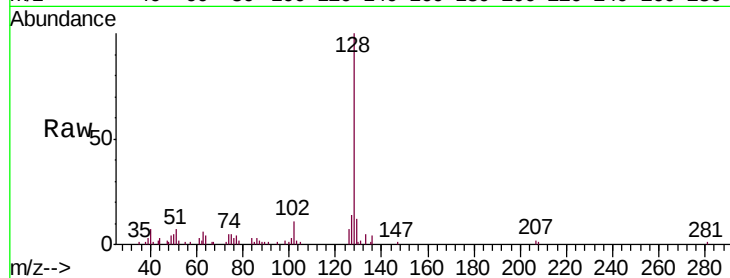
Tgt Ion:128 Resp: 66603

Ion Ratio Lower Upper

128 100

129 12.1 8.8 13.2

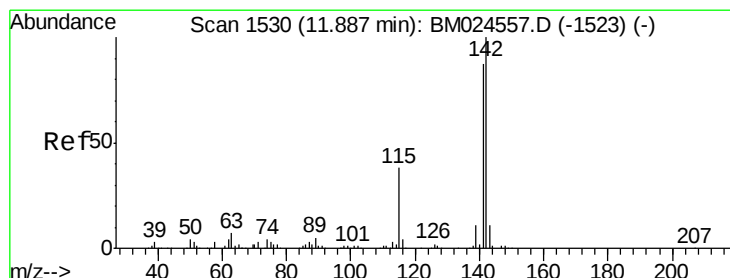
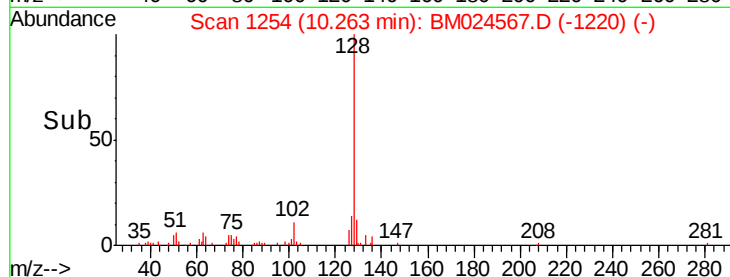
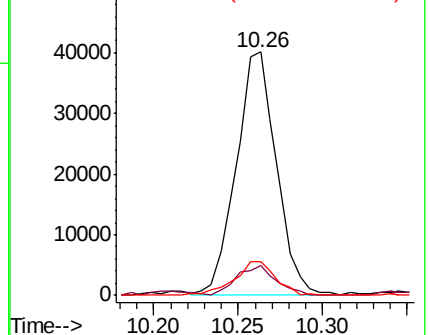
127 13.9 10.4 15.6



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: 7.182 ng/ul

RT: 11.89 min Scan# 1530

Delta R.T. -0.00 min

Lab File: BM024567.D

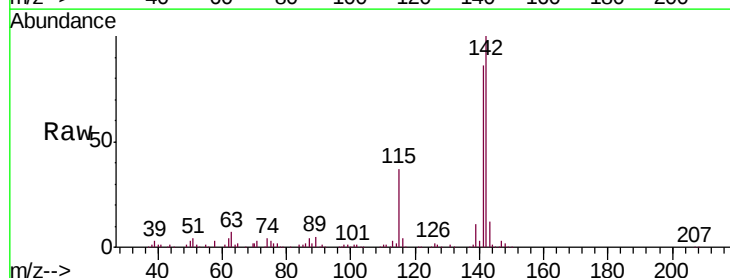
Acq: 21 Jan 2020 17:31

Tgt Ion:142 Resp: 256305

Ion Ratio Lower Upper

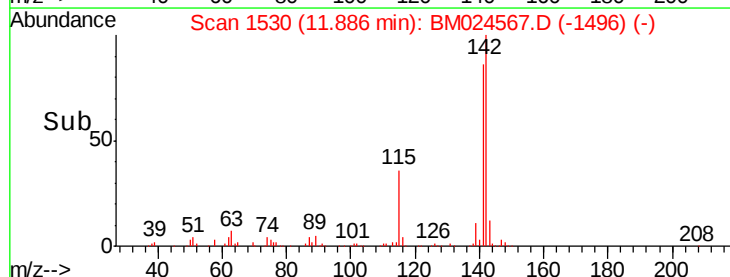
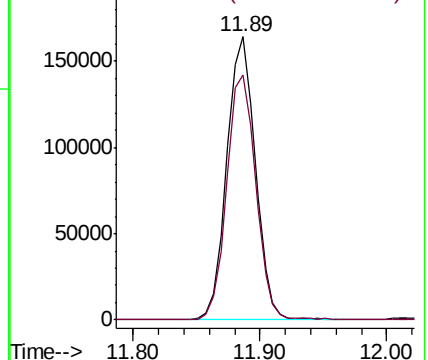
142 100

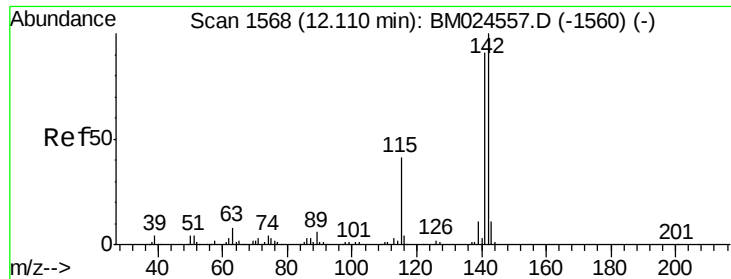
141 86.4 70.4 105.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

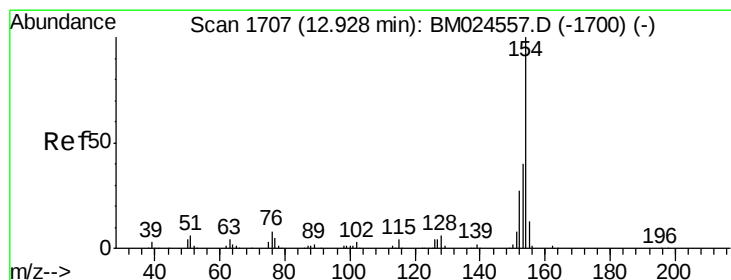
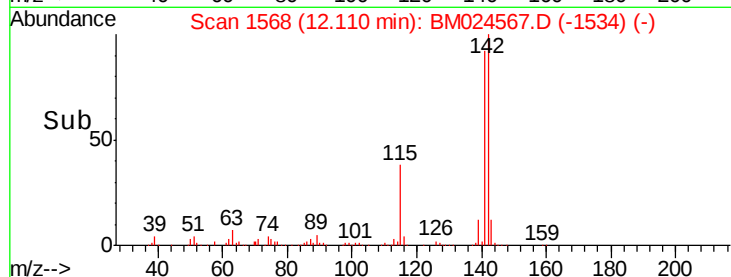
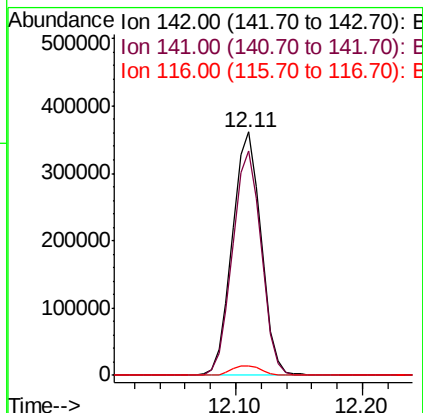
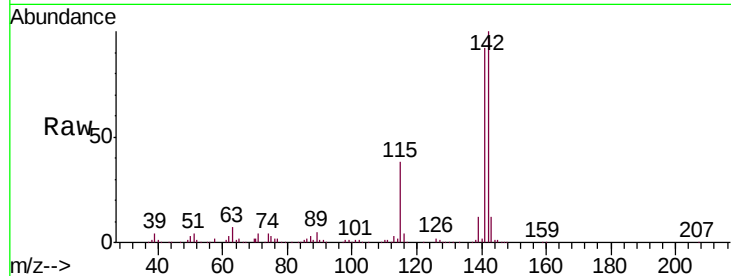




#35
 1-Methylnaphthalene
 Concen: 15.682 ng/ul
 RT: 12.11 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: BM024567.D
 Acq: 21 Jan 2020 17:31

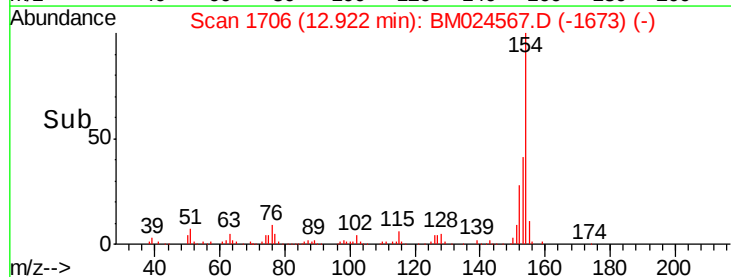
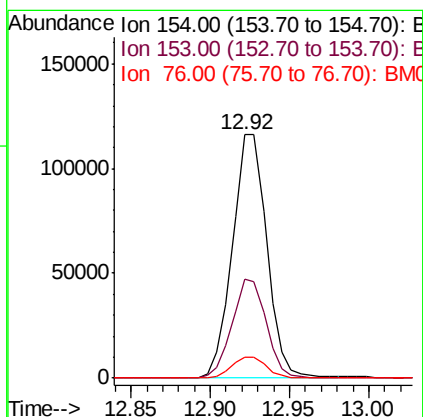
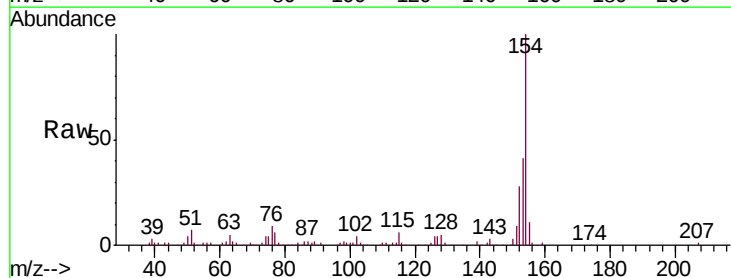
Instrument :
 BNA_M
 ClientSampleId :
 GASG9MEDL

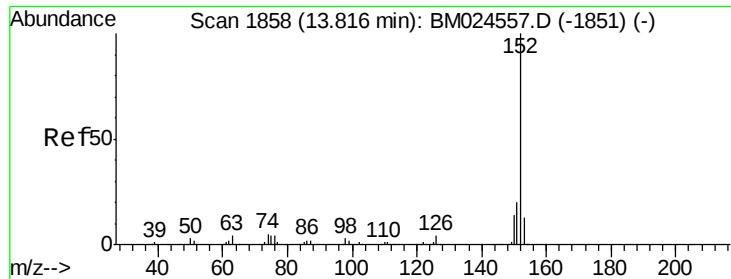
Tgt Ion:142 Resp: 567344
 Ion Ratio Lower Upper
 142 100
 141 92.4 72.6 109.0
 116 3.8 3.5 5.3



#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

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





#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

Instrument :

BNA_M

ClientSampleId :

GASG9MEDL

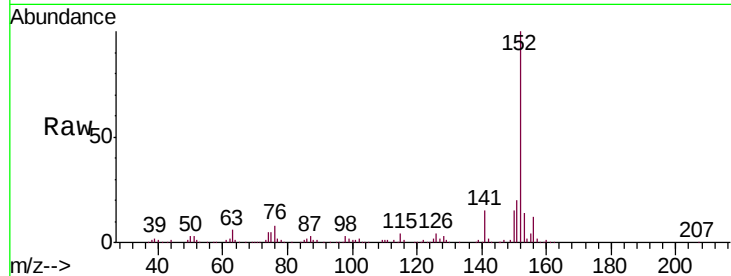
Tgt Ion:152 Resp: 337059

Ion Ratio Lower Upper

152 100

151 20.4 15.9 23.9

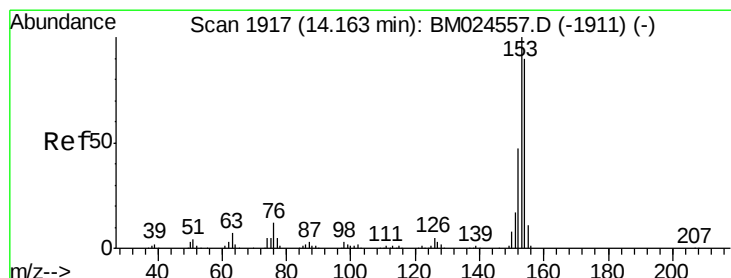
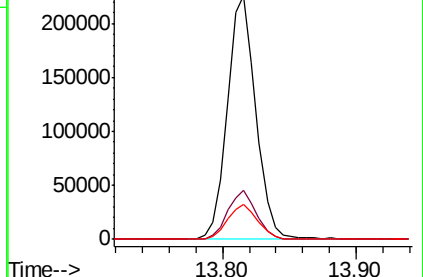
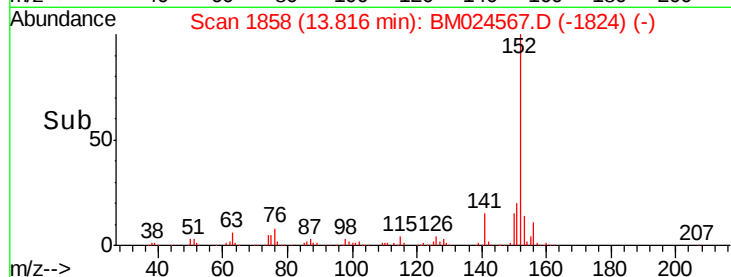
153 14.5 10.3 15.5



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



#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

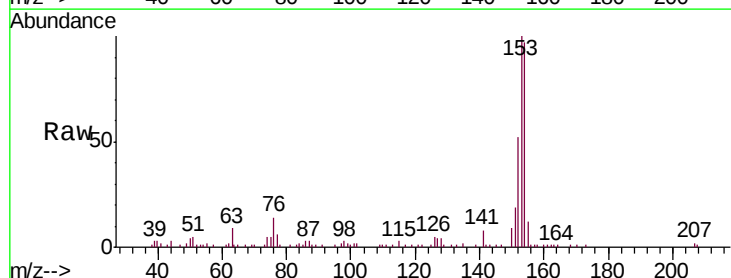
Tgt Ion:153 Resp: 86306

Ion Ratio Lower Upper

153 100

152 51.7 37.2 55.8

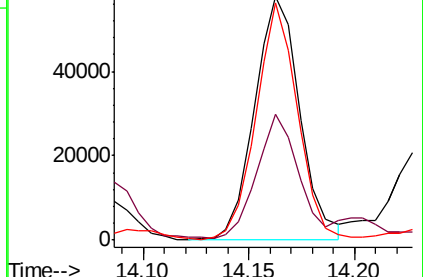
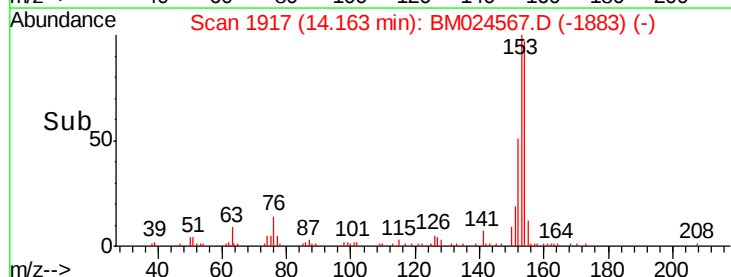
154 97.4 70.6 106.0

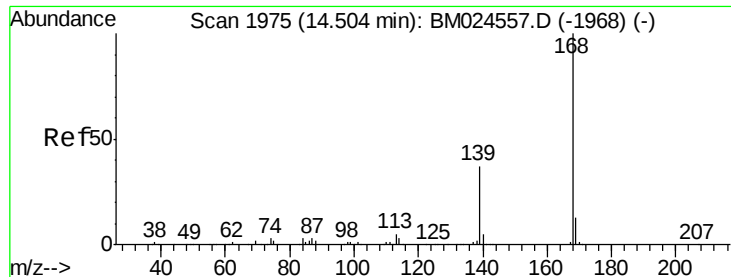


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzo(f,h)quinoxaline

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

Instrument :

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ClientSampleId :

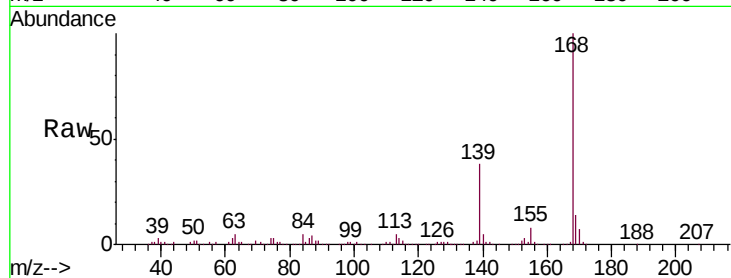
GASG9MEDL

Tgt Ion:168 Resp: 468968

Ion Ratio Lower Upper

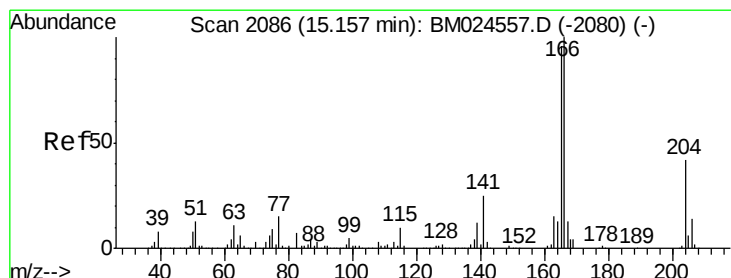
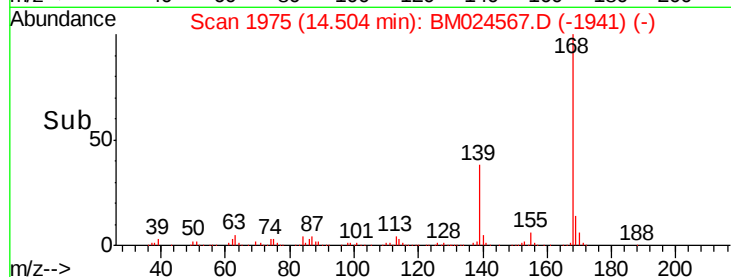
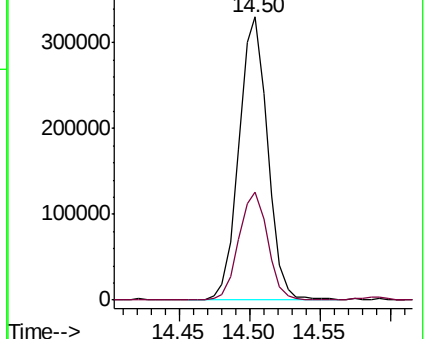
168 100

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

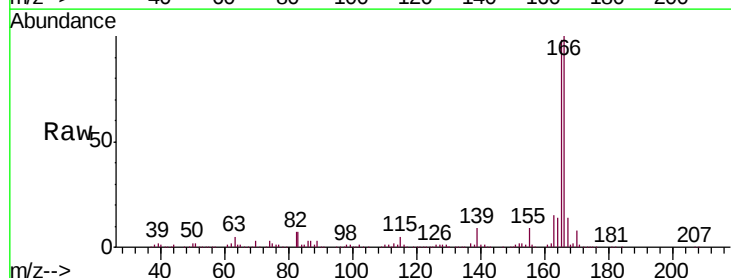
Tgt Ion:166 Resp: 473772

Ion Ratio Lower Upper

166 100

165 98.2 79.6 119.4

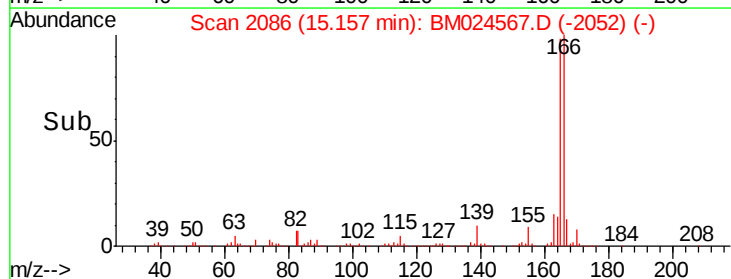
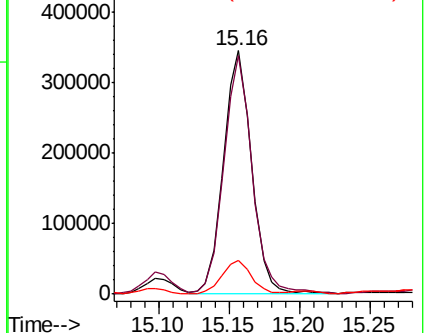
167 13.6 10.8 16.2

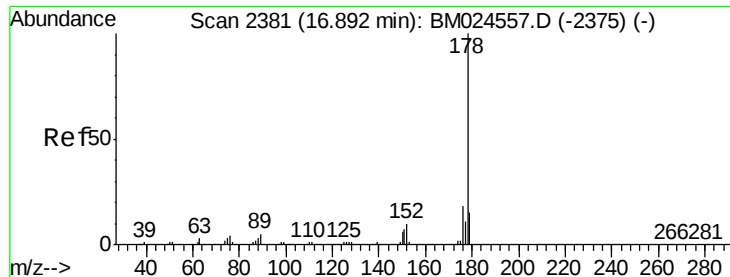


Abundance Ion 166.00 (165.70 to 166.70): E

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

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Acq: 21 Jan 2020 17:31

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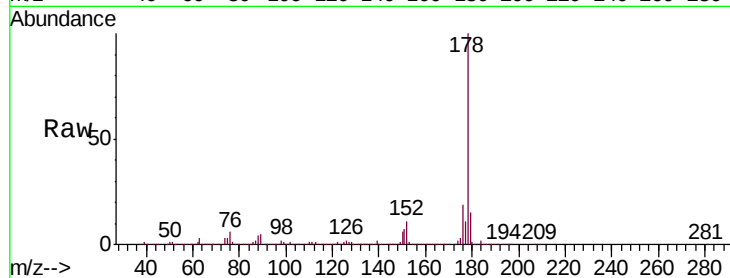
Tgt Ion:178 Resp: 2364113

Ion Ratio Lower Upper

178 100

179 15.0 12.3 18.5

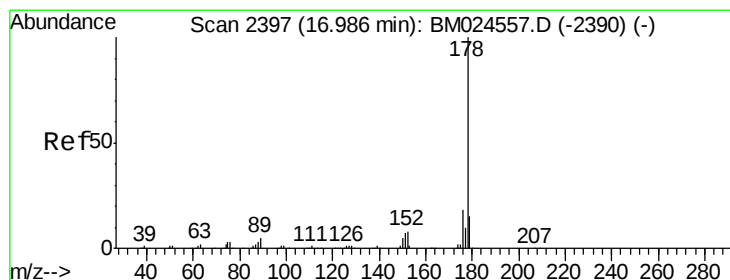
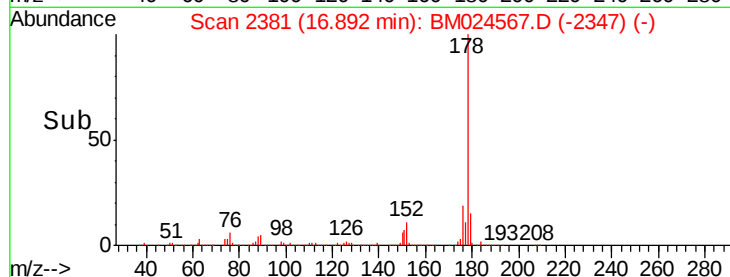
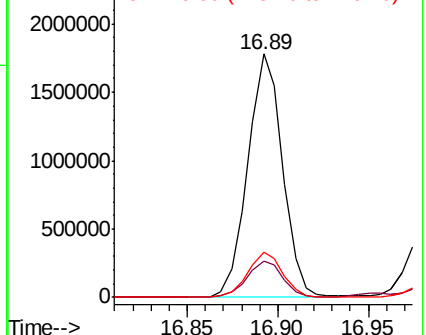
176 18.6 14.9 22.3



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

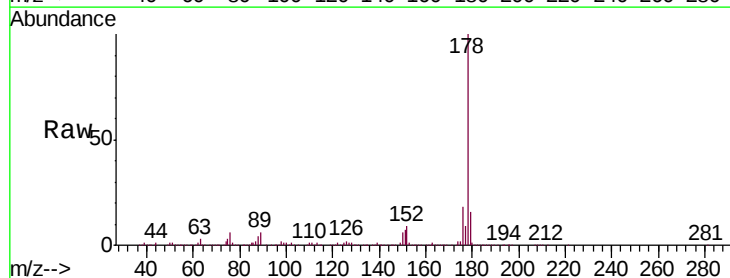
Tgt Ion:178 Resp: 713142

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

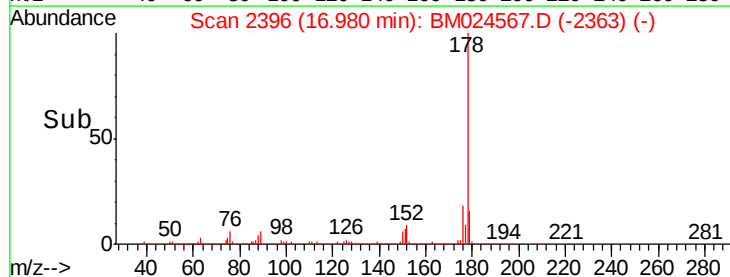
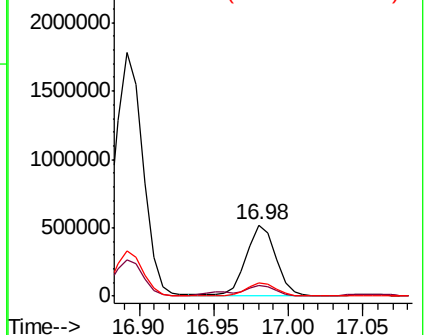
176 18.0 14.6 22.0

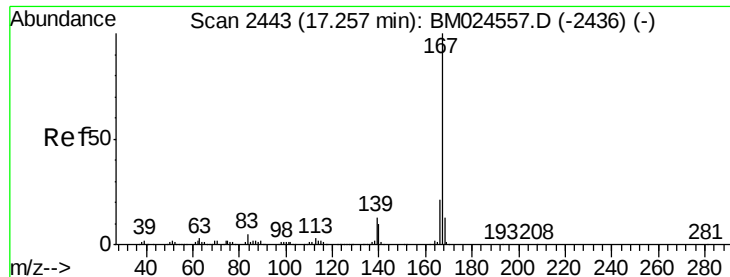


Abundance Ion 178.00 (177.70 to 178.70): E

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

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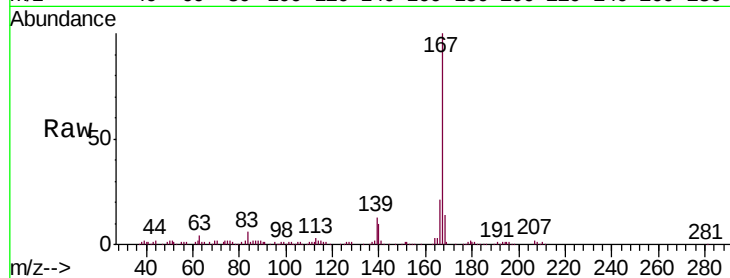
Tgt Ion:167 Resp: 195360

Ion Ratio Lower Upper

167 100

166 20.6 17.1 25.7

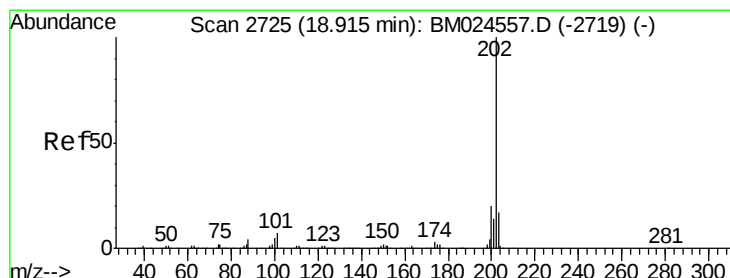
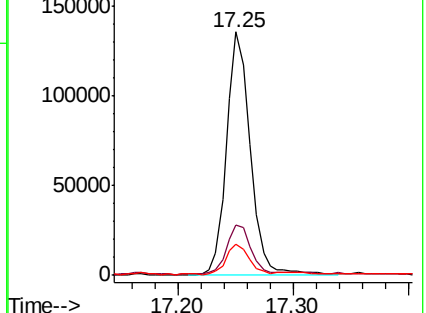
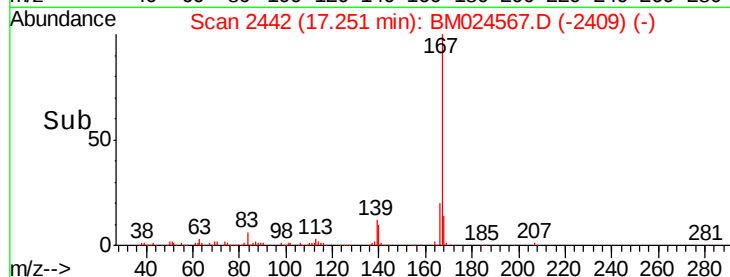
139 12.8 10.6 15.8



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

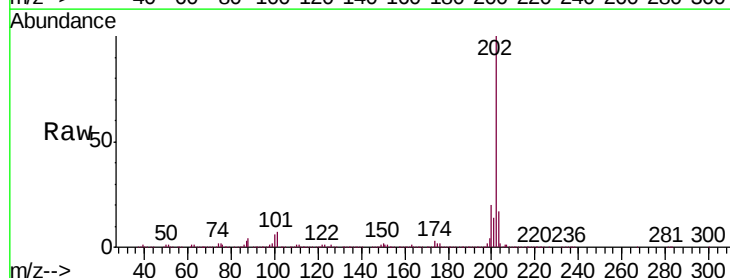
Tgt Ion:202 Resp: 1480722

Ion Ratio Lower Upper

202 100

101 7.1 5.4 8.2

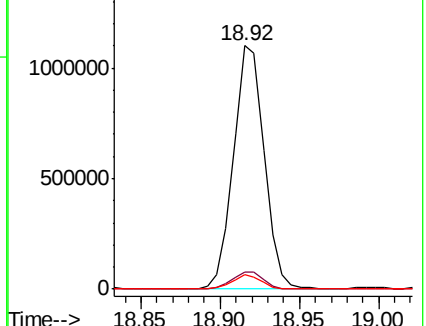
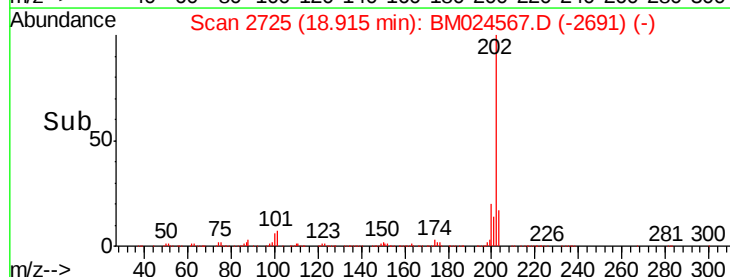
100 5.8 4.3 6.5

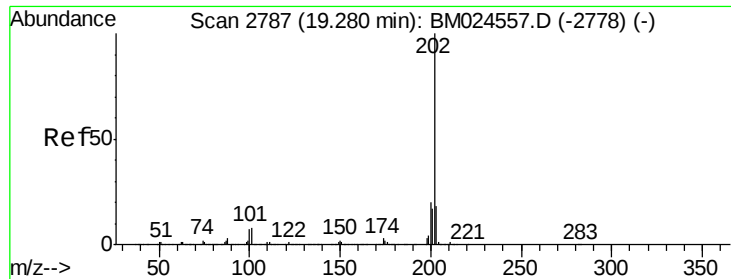


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

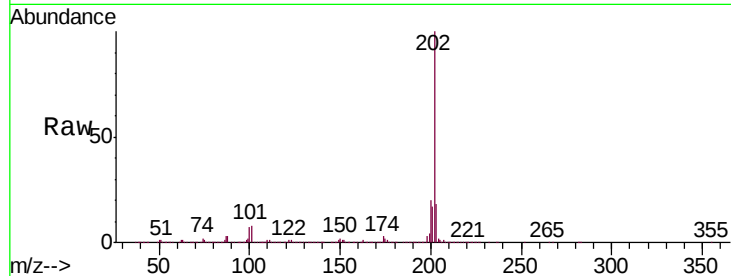




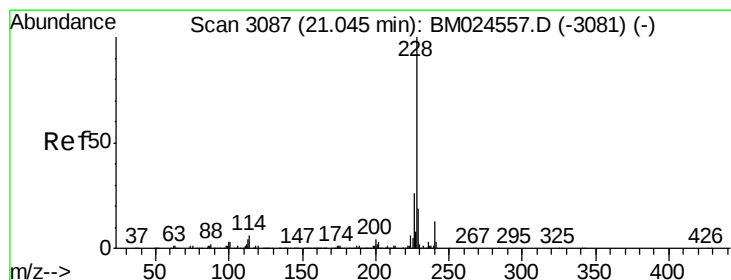
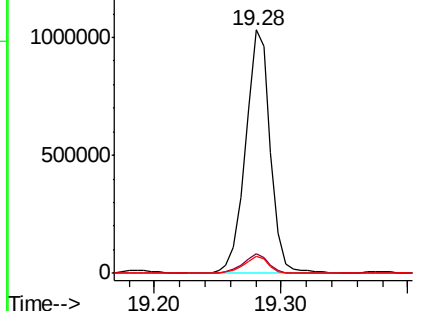
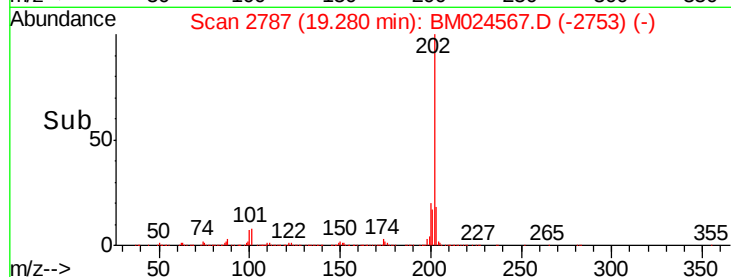
#80
 Pyrene
 Concen: 13.401 ng/ul
 RT: 19.28 min Scan# 2787
 Delta R.T. -0.00 min
 Lab File: BM024567.D
 Acq: 21 Jan 2020 17:31

Instrument :
 BNA_M
 ClientSampleId :
 GASG9MEDL

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.3	6.5	9.7
100	6.8	5.0	7.6

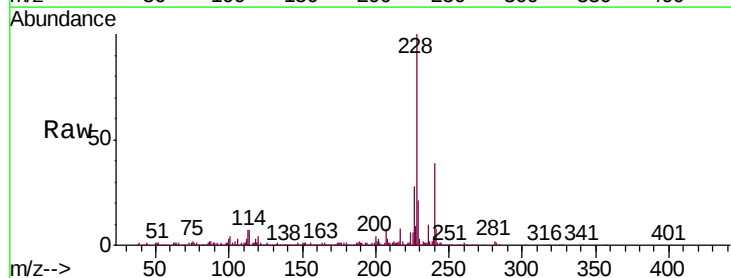


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

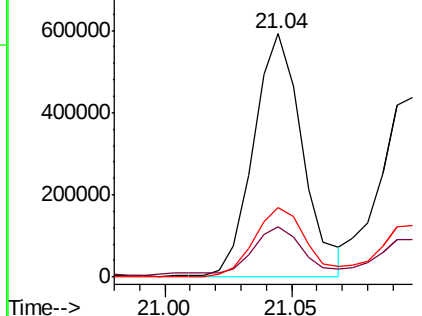
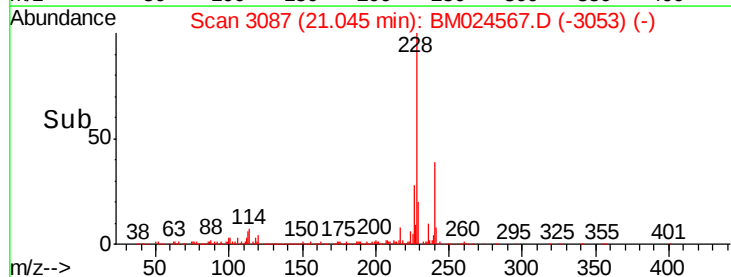


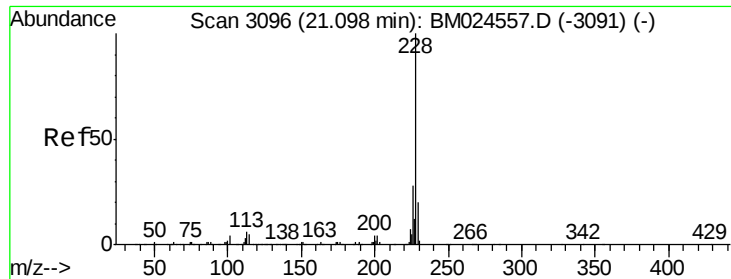
#83
 Benzo(a)anthracene
 Concen: 7.703 ng/ul
 RT: 21.04 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: BM024567.D
 Acq: 21 Jan 2020 17:31

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.9	23.9
226	28.4	21.1	31.7



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

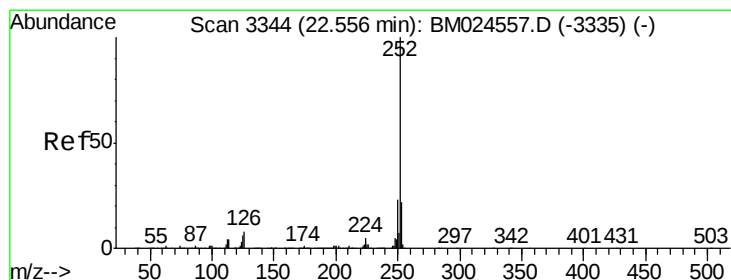
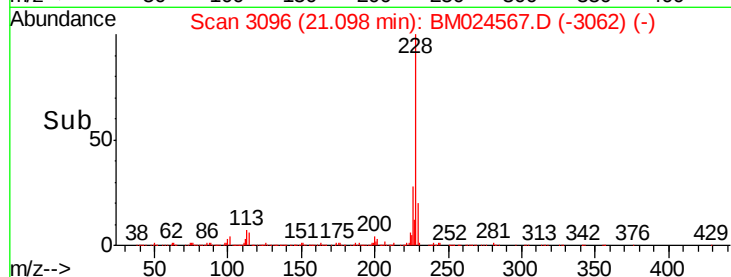
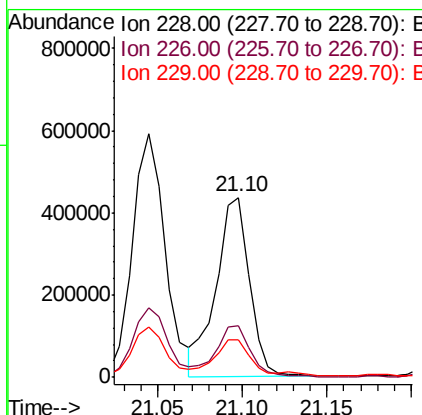
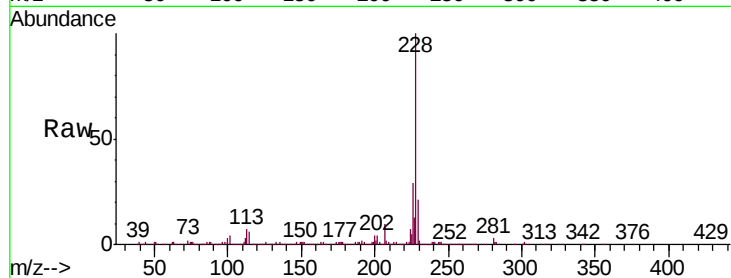




#85
Chrysene
Concen: 6.086 ng/ul
RT: 21.10 min Scan# 3096
Delta R.T. -0.00 min
Lab File: BM024567.D
Acq: 21 Jan 2020 17:31

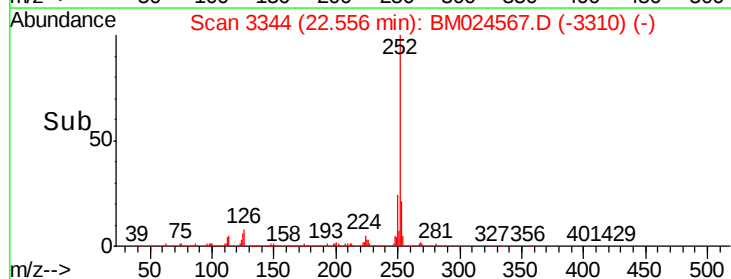
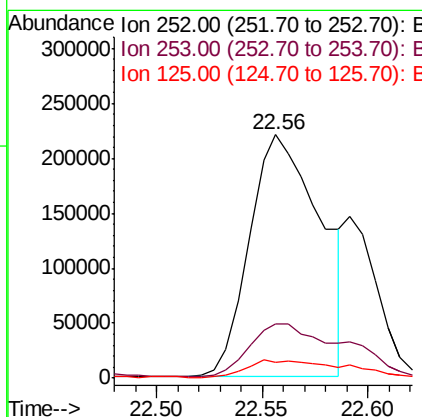
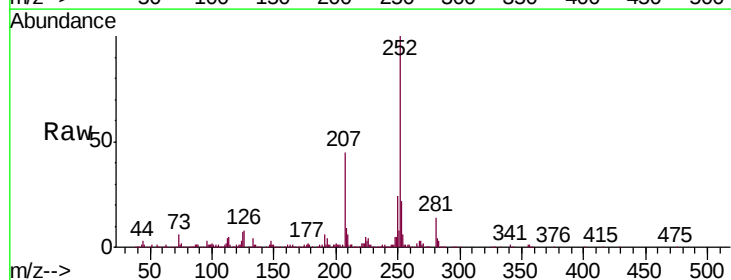
Instrument :
BNA_M
ClientSampleId :
GASG9MEDL

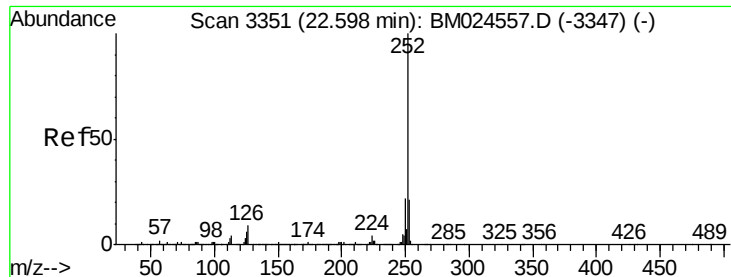
Tgt Ion:	228	Resp:	602741
Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.4	35.2
229	20.7	16.1	24.1



#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

Tgt Ion:	252	Resp:	516550
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	6.7	5.3	7.9





#89

Benzo(k)fluoranthene

Concen: 5.678 ng/ul

RT: 22.56 min Scan# 3344

Delta R.T. -0.04 min

Lab File: BM024567.D

Acq: 21 Jan 2020 17:31

Instrument :

BNA_M

ClientSampleId :

GASG9MEDL

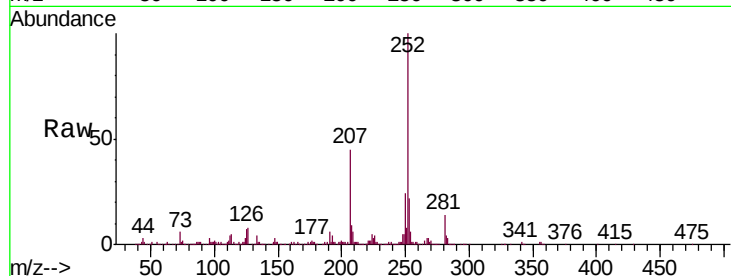
Tgt Ion:252 Resp: 516550

Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

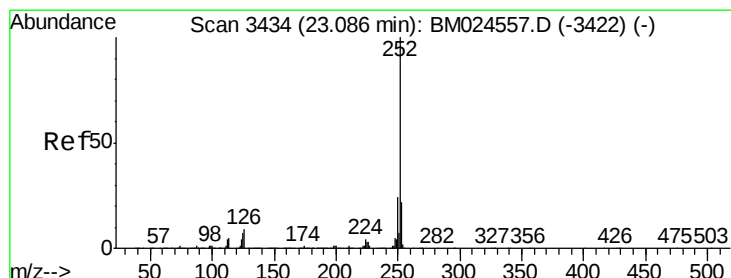
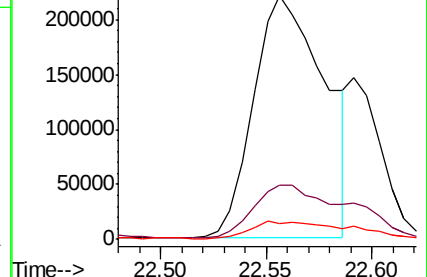
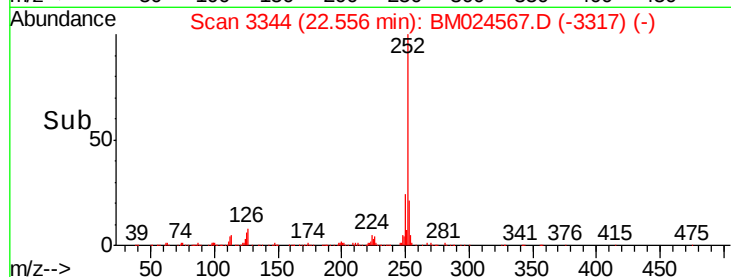
125 6.7 5.2 7.8



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



#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

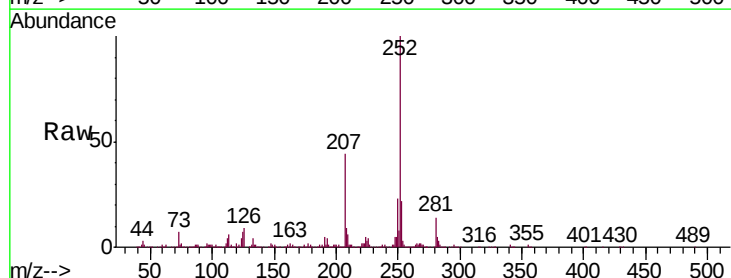
Tgt Ion:252 Resp: 389458

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

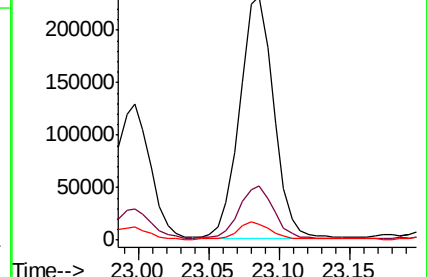
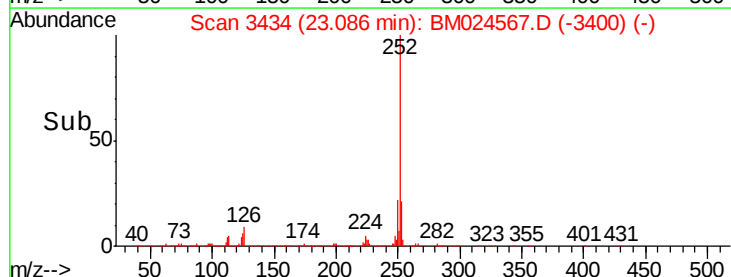
125 6.7 5.7 8.5

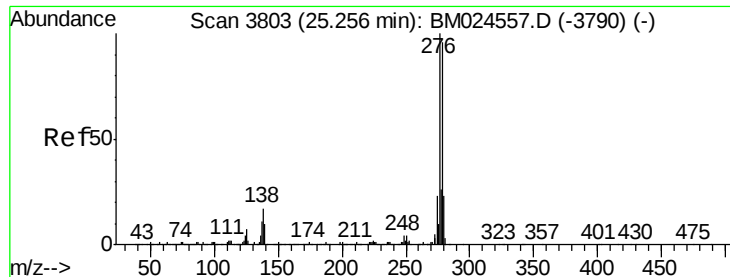


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#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

Instrument :

BNA_M

ClientSampleId :

GASG9MEDL

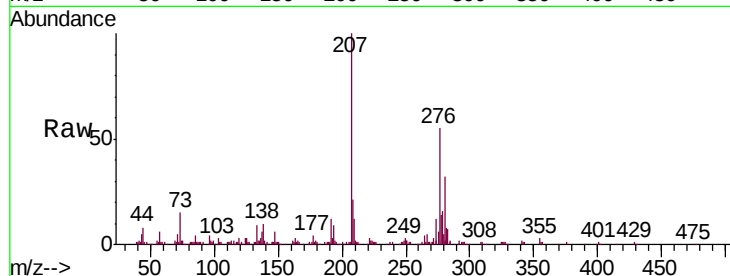
Tgt Ion:276 Resp: 146496

Ion Ratio Lower Upper

276 100

138 17.3 12.5 18.7

277 24.7 19.0 28.6

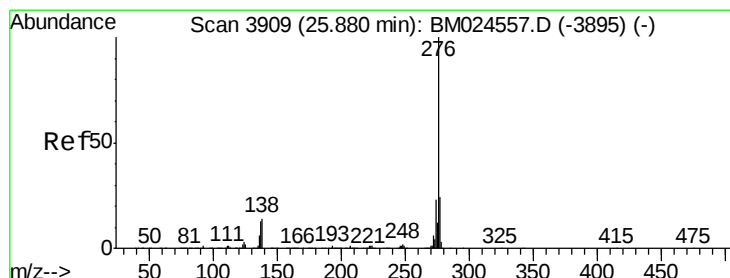
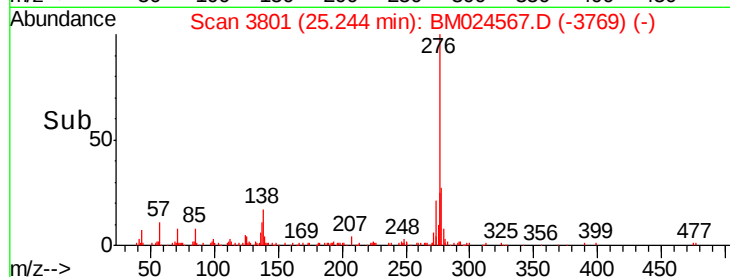
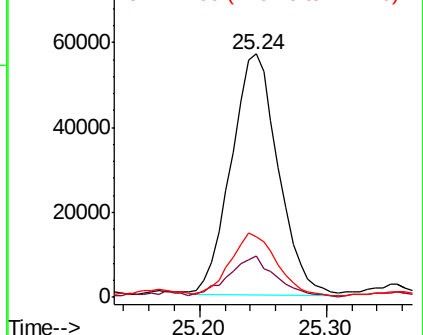


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#94

Benzo(g,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

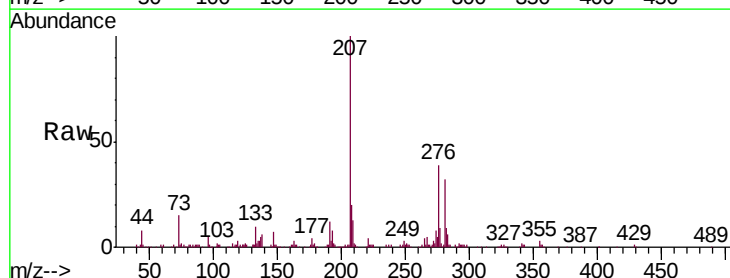
Tgt Ion:276 Resp: 114775

Ion Ratio Lower Upper

276 100

138 15.7 12.2 18.2

277 24.2 18.8 28.2



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

