

Data File : BM024542.D
Acq On : 18 Jan 2020 18:58
Operator : JU
Sample : L1109-03MSD
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GASG2MSD

Quant Time: Jan 20 03:30:35 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 20 03:25:57 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	207750	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	924979	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.10	164	641735	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.86	188	1416039	20.00	ng/ul	0.00
78) Chrysene-d12	21.06	240	1559685	20.00	ng/ul	0.00
86) Perylene-d12	23.19	264	1746064	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	12231	2.88	ng/uL	0.00
5) Phenol-d5	6.65	99	298285	19.37	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.80	67	173788	20.32	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	276637	21.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	249536	17.57	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	144443	22.23	ng/ul	0.00
22) 2-Nitrophenol-d4	9.31	143	169845	24.13	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	316082	19.95	ng/ul	0.00
29) 4-Chloroaniline-d4	10.35	131	310316	17.62	ng/ul	0.00
44) Dimethylphthalate-d6	13.53	166	1081893	21.52	ng/ul	0.00
47) Acenaphthylene-d8	13.79	160	1257024	21.72	ng/ul	0.00
52) 4-Nitrophenol-d4	14.32	143	199614	23.79	ng/ul	0.00
58) Fluorene-d10	15.10	176	956432	21.61	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.23	200	147602	18.26	ng/ul	0.00
71) Anthracene-d10	16.96	188	1506884	22.88	ng/ul	0.00
79) Pyrene-d10	19.26	212	1849094	22.18	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.06	264	2100815	23.20	ng/ul	0.01

Target Compounds

					Qvalue
6) Phenol	6.67	94	329948	21.086	ng/ul 93
10) 2-Chlorophenol	7.03	128	273246	20.760	ng/ul 99
15) N-Nitroso-di-n-propylamine	8.26	70	217202	20.613	ng/ul 94
33) 4-Chloro-3-methylphenol	11.52	107	334768	20.955	ng/ul 99
45) Dimethylphthalate	13.57	163	285850	5.592	ng/ul 98
48) Acenaphthylene	13.82	152	212335	3.592	ng/ul 99
50) Acenaphthene	14.17	153	825804	20.640	ng/ul 100
53) 4-Nitrophenol	14.33	109	183340	23.494	ng/ul 95
54) Dibenzofuran	14.50	168	109661	1.871	ng/ul 92
55) 2,4-Dinitrotoluene	14.48	165	337492	23.468	ng/ul# 96
59) Fluorene	15.16	166	121660	2.455	ng/ul 97
68) Atrazine	16.52	200	42264	2.554	ng/ul# 36
69) Pentachlorophenol	16.52	266	244503	21.302	ng/ul 99
70) Phenanthrene	16.90	178	1333680	17.464	ng/ul 100
72) Anthracene	16.99	178	387767	4.979	ng/ul 98
75) Carbazole	17.26	167	65923	1.006	ng/ul 98
77) Fluoranthene	18.92	202	1460513	15.648	ng/ul 99
80) Pyrene	19.29	202	3683098	34.495	ng/ul 99
83) Benzo(a)anthracene	21.10	228	757537	7.130	ng/ul 95
85) Chrysene	21.10	228	759370	7.417	ng/ul 98
88) Benzo(b)fluoranthene	22.57	252	777161	6.734	ng/ul# 98
89) Benzo(k)fluoranthene	22.57	252	777161	6.852	ng/ul# 97
91) Benzo(a)pyrene	23.10	252	618257	6.165	ng/ul 97

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM011720\
Quantitation Report (Not Reviewed)

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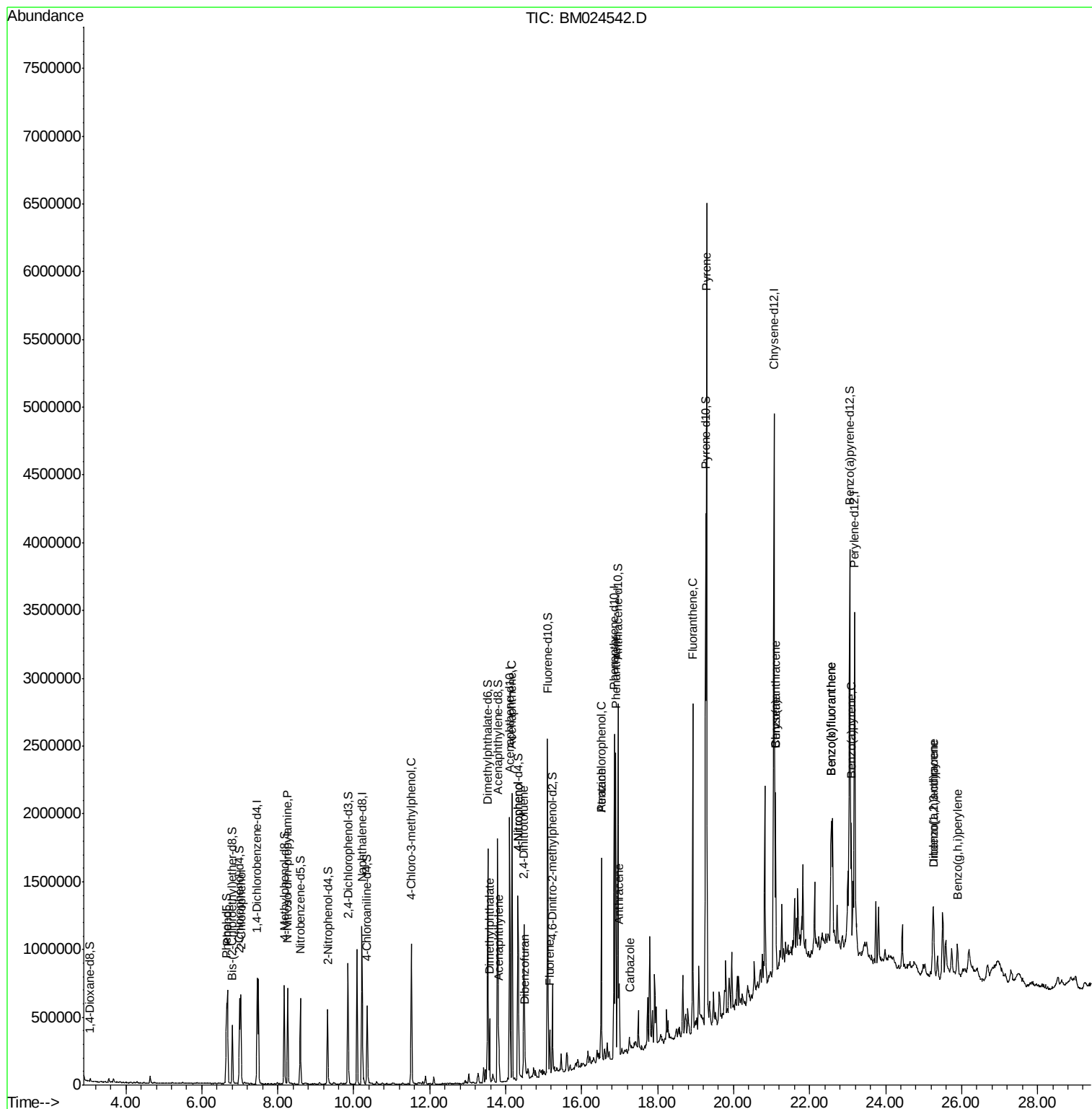
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Indeno(1,2,3-cd)pyrene	25.26	276	332859	3.172	ng/ul	97
93) Dibenzo(a,h)anthracene	25.27	278	103693	1.164	ng/ul#	90
94) Benzo(g,h,i)perylene	25.89	276	275917	3.308	ng/ul	99

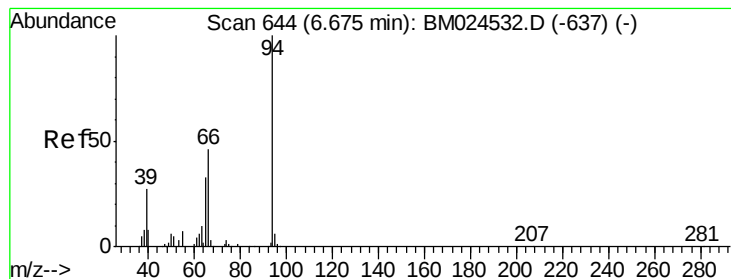
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 21.086 ng/ul

RT: 6.67 min Scan# 644

Delta R.T. -0.00 min

Lab File: BM024542.D

Acq: 18 Jan 2020 18:58

Instrument :

BNA_M

ClientSampleId :

GAS2MSD

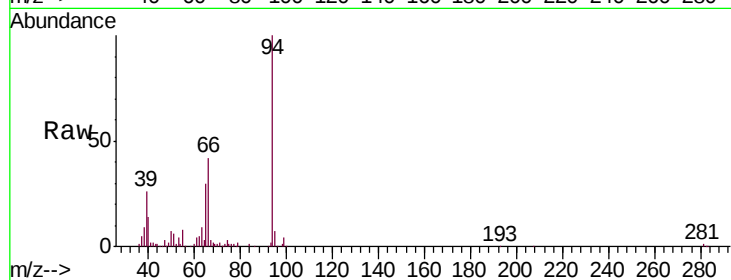
Tgt Ion: 94 Resp: 329948

Ion Ratio Lower Upper

94 100

65 30.3 26.7 40.1

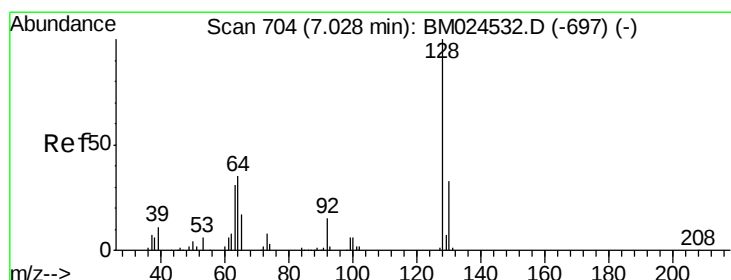
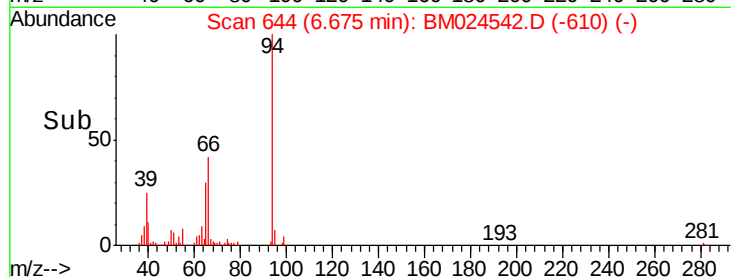
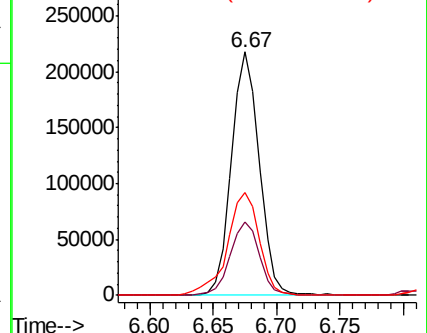
66 42.5 38.1 57.1



Abundance Ion 94.00 (93.70 to 94.70): BM024532.D (-637) (-)

Ion 65.00 (64.70 to 65.70): BM024532.D (-637) (-)

Ion 66.00 (65.70 to 66.70): BM024532.D (-637) (-)



#10

2-Chlorophenol

Concen: 20.760 ng/ul

RT: 7.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: BM024542.D

Acq: 18 Jan 2020 18:58

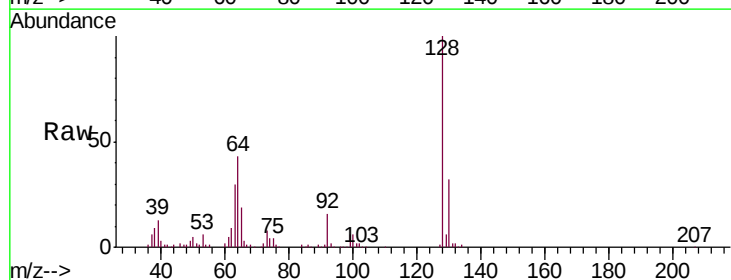
Tgt Ion: 128 Resp: 273246

Ion Ratio Lower Upper

128 100

64 43.3 34.0 51.0

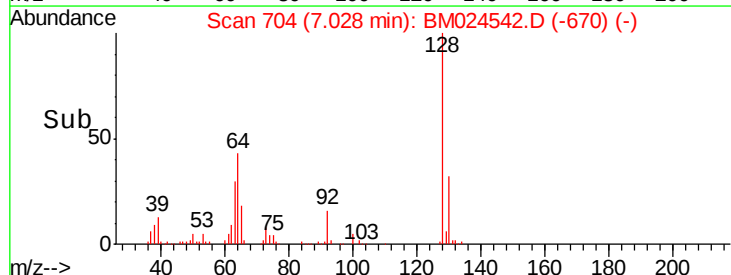
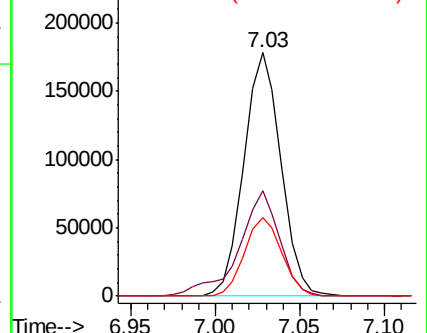
130 32.5 25.4 38.2

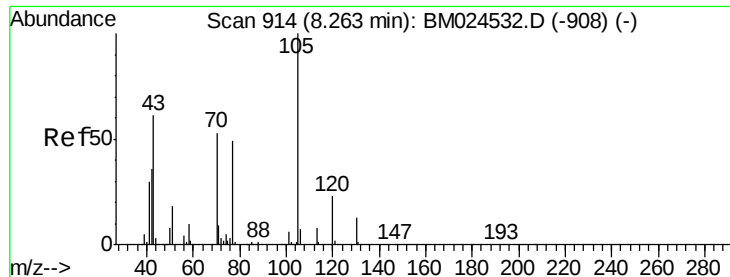


Abundance Ion 128.00 (127.70 to 128.70): BM024532.D (-697) (-)

Ion 64.00 (63.70 to 64.70): BM024532.D (-697) (-)

Ion 130.00 (129.70 to 130.70): BM024532.D (-697) (-)

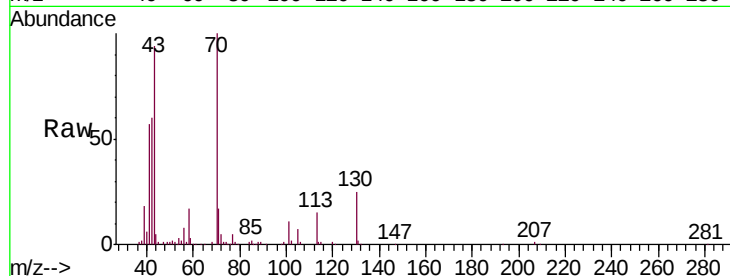




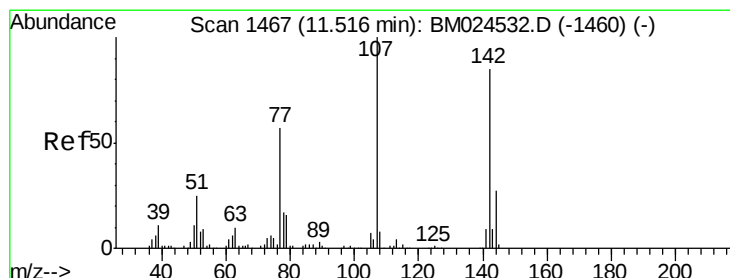
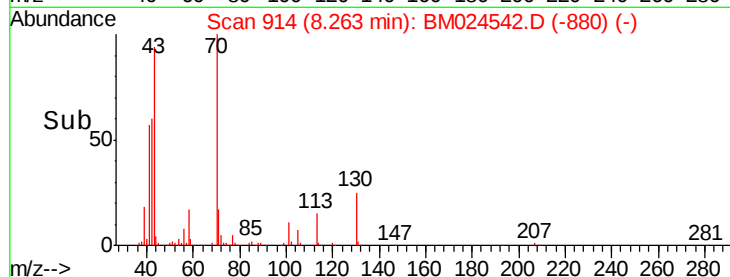
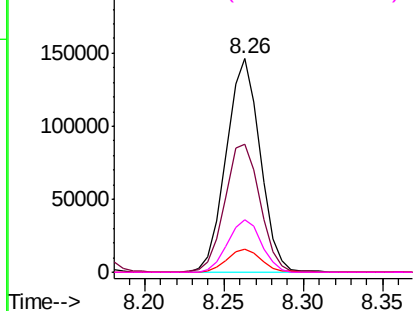
#15
N-Nitroso-di-n-propylamine
Concen: 20.613 ng/ul
RT: 8.26 min Scan# 914
Delta R.T. -0.00 min
Lab File: BM024542.D
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BNA_M
ClientSampleId :
GASG2MSD

Tgt Ion: 70 Resp: 217202
Ion Ratio Lower Upper
70 100
42 59.9 54.1 81.1
101 10.5 8.6 12.8
130 24.9 19.8 29.6

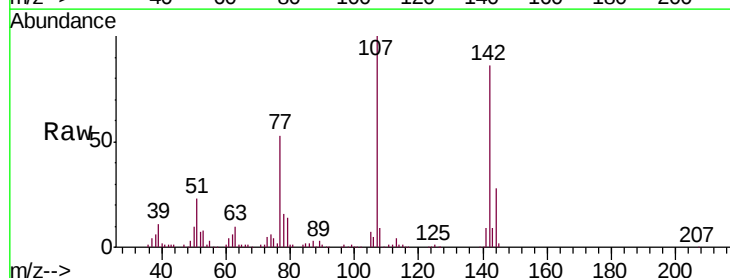


Abundance Ion 70.00 (69.70 to 70.70): BM0
Ion 42.00 (41.70 to 42.70): BM0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

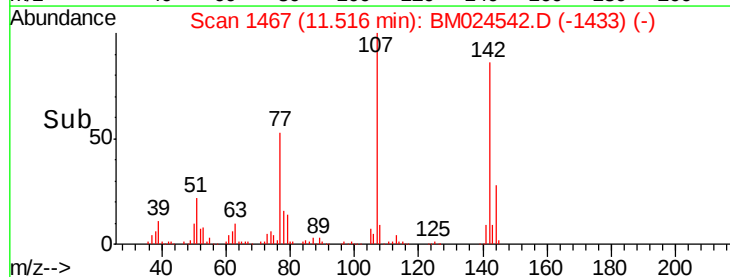
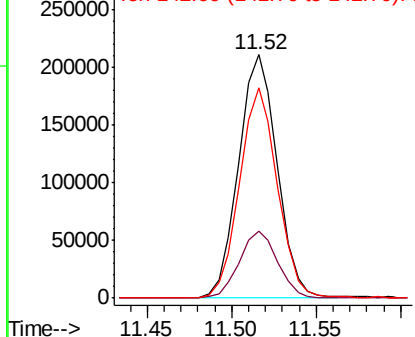


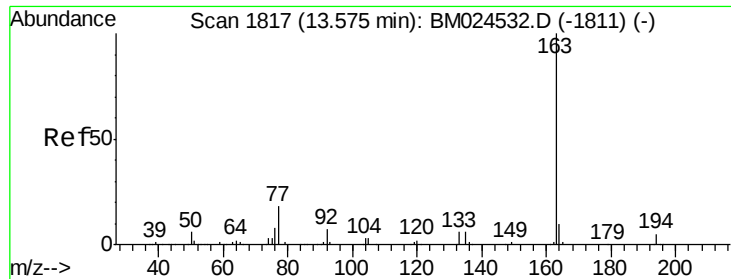
#33
4-Chloro-3-methylphenol
Concen: 20.955 ng/ul
RT: 11.52 min Scan# 1467
Delta R.T. -0.00 min
Lab File: BM024542.D
Acq: 18 Jan 2020 18:58

Tgt Ion: 107 Resp: 334768
Ion Ratio Lower Upper
107 100
144 27.5 21.3 31.9
142 86.4 68.7 103.1



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E





#45

Dimethylphthalate

Concen: 5.592 ng/ul

RT: 13.57 min Scan# 1817

Delta R.T. -0.00 min

Lab File: BM024542.D

Acq: 18 Jan 2020 18:58

Instrument :

BNA_M

ClientSampleId :

GASG2MSD

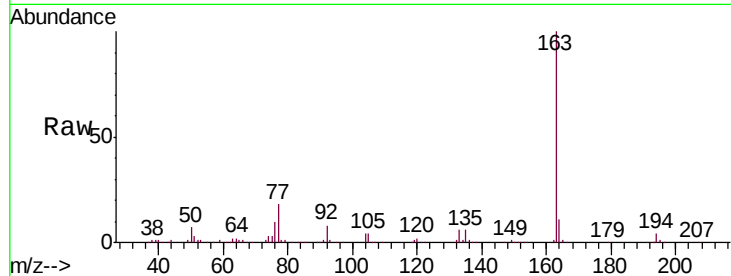
Tgt Ion:163 Resp: 285850

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

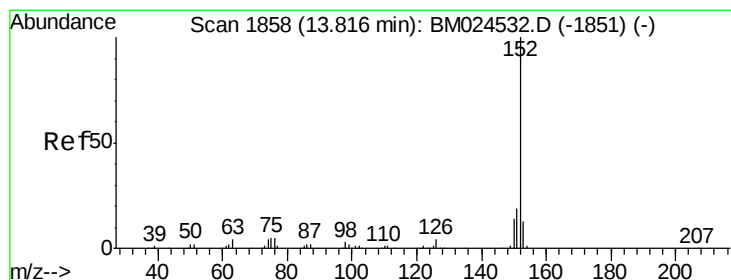
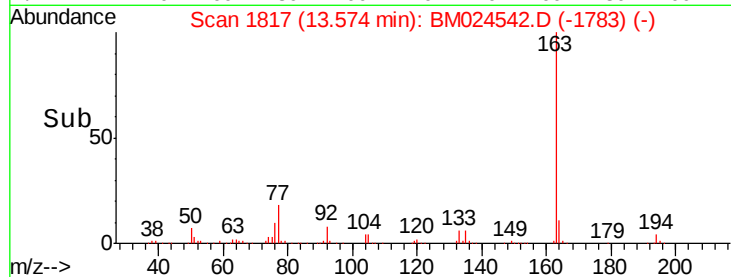
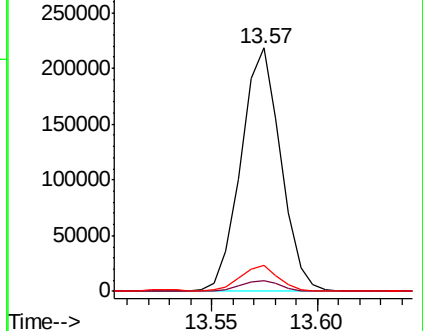
164 10.8 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#48

Acenaphthylene

Concen: 3.592 ng/ul

RT: 13.82 min Scan# 1858

Delta R.T. -0.00 min

Lab File: BM024542.D

Acq: 18 Jan 2020 18:58

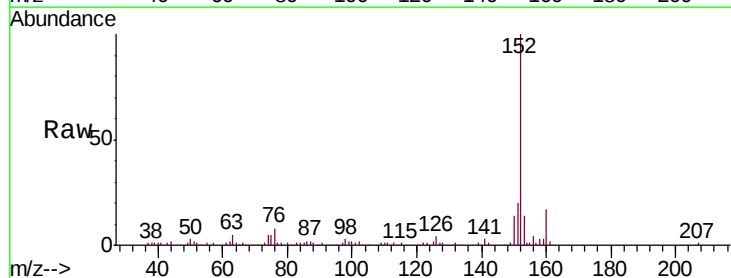
Tgt Ion:152 Resp: 212335

Ion Ratio Lower Upper

152 100

151 19.9 15.9 23.9

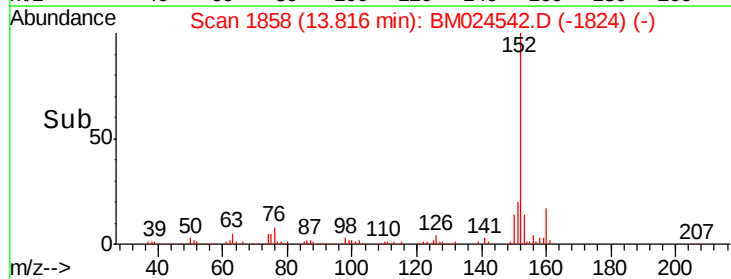
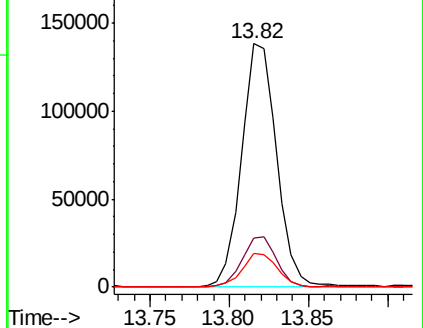
153 13.8 10.3 15.5

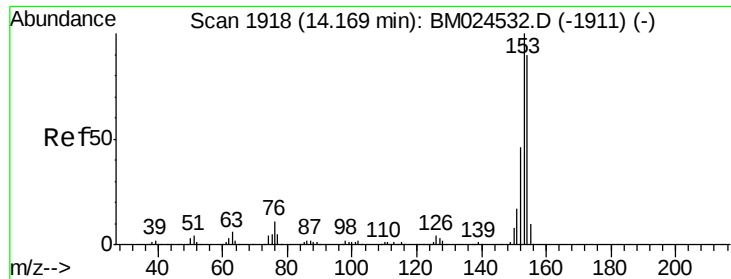


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 20.640 ng/ul

RT: 14.17 min Scan# 1918

Delta R.T. -0.00 min

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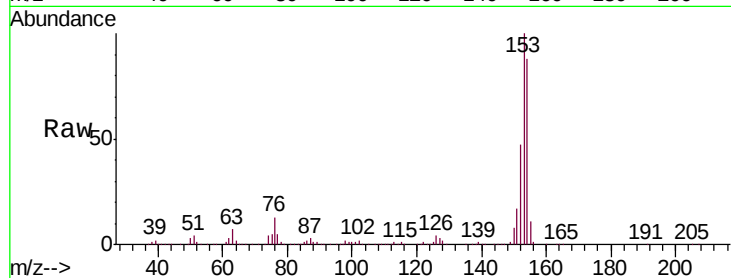
Tgt Ion:153 Resp: 825804

Ion Ratio Lower Upper

153 100

152 46.7 37.2 55.8

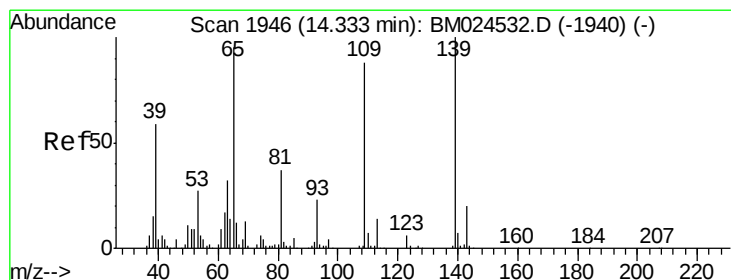
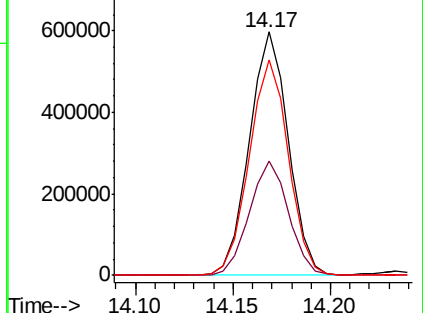
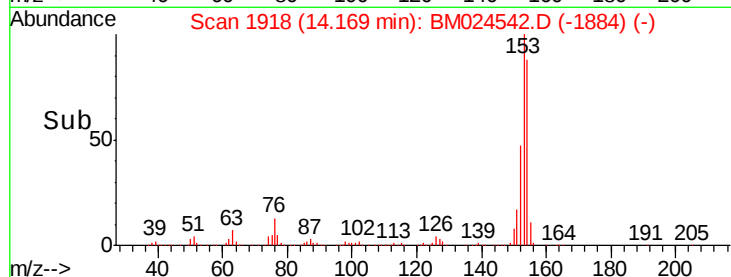
154 88.2 70.6 106.0



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



#53

4-Nitrophenol

Concen: 23.494 ng/ul

RT: 14.33 min Scan# 1946

Delta R.T. -0.00 min

Lab File: BM024542.D

Acq: 18 Jan 2020 18:58

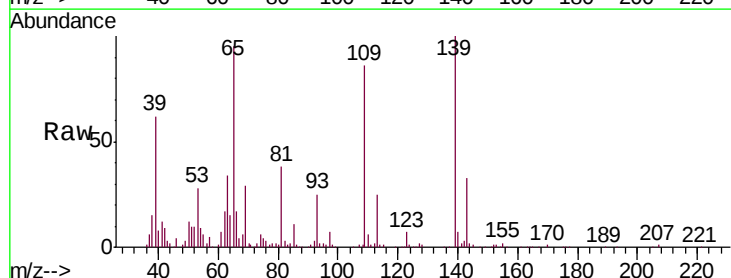
Tgt Ion:109 Resp: 183340

Ion Ratio Lower Upper

109 100

139 116.8 88.6 133.0

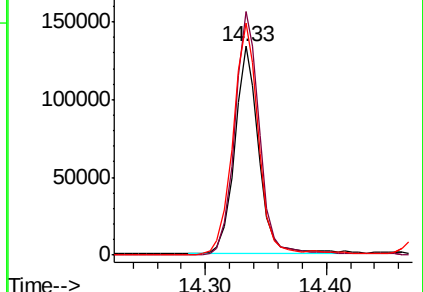
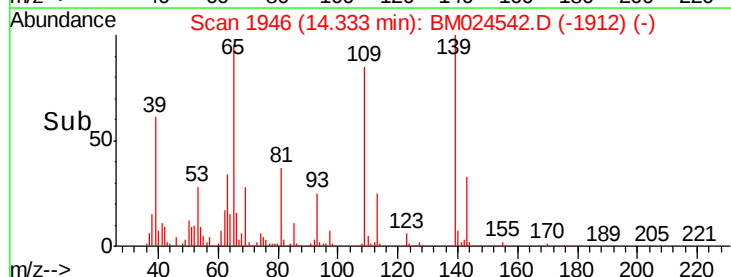
65 111.1 91.8 137.8

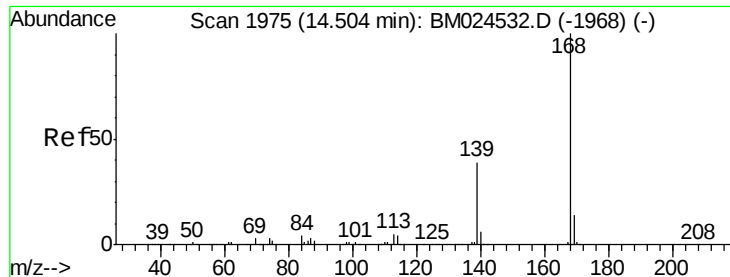


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): E





#54

Dibenzenofuran

Concen: 1.871 ng/ul

RT: 14.50 min Scan# 1975

Delta R.T. -0.00 min

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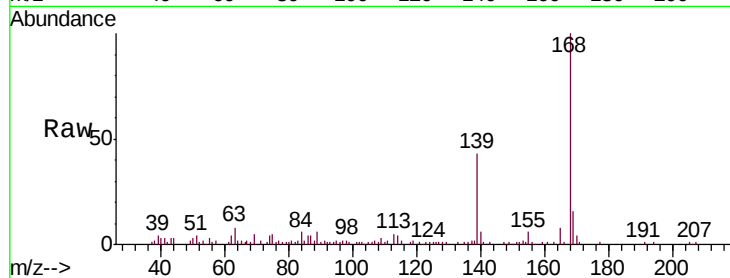
GASG2MSD

Tgt Ion:168 Resp: 109661

Ion Ratio Lower Upper

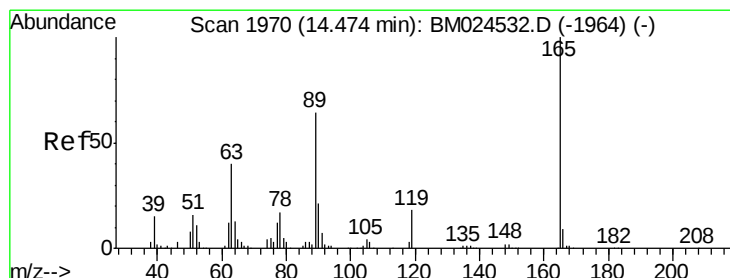
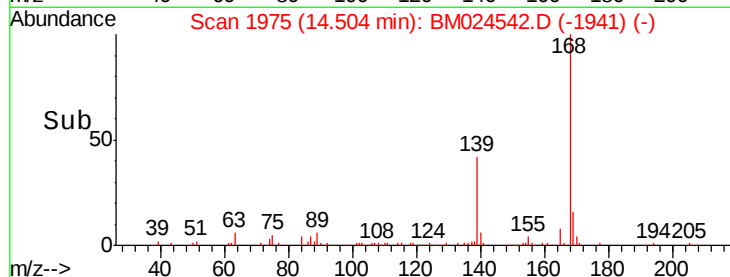
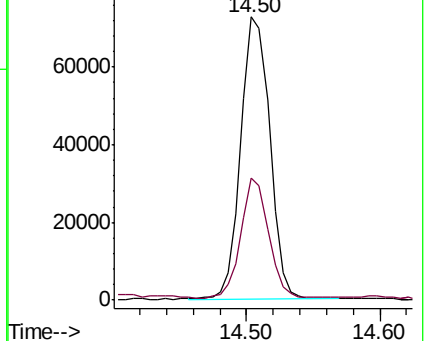
168 100

139 43.0 30.7 46.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#55

2,4-Dinitrotoluene

Concen: 23.468 ng/ul

RT: 14.48 min Scan# 1971

Delta R.T. 0.01 min

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Acq: 18 Jan 2020 18:58

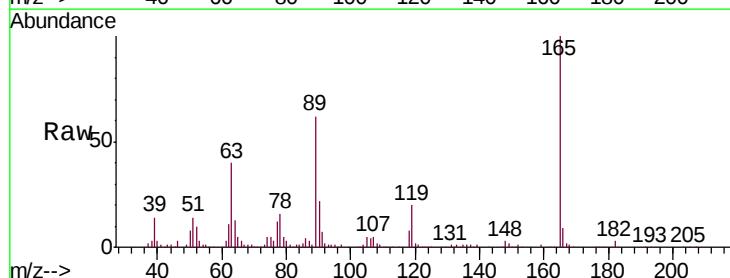
Tgt Ion:165 Resp: 337492

Ion Ratio Lower Upper

165 100

63 40.1 34.4 51.6

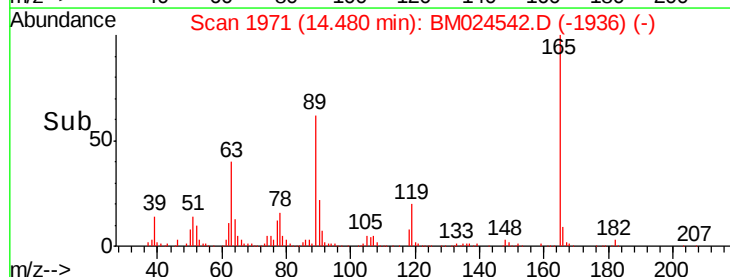
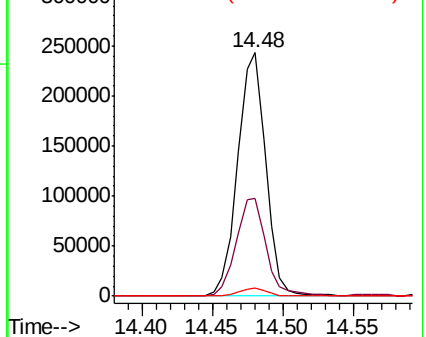
182 3.3 2.2 3.2#

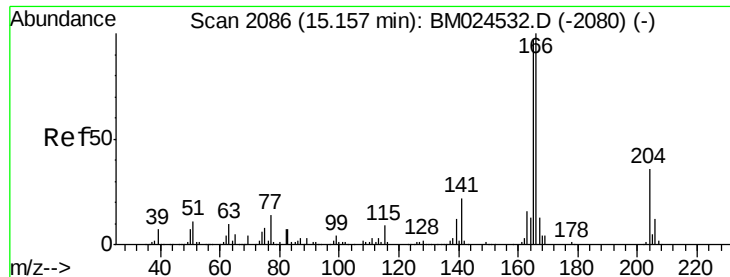


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 182.00 (181.70 to 182.70): E





#59

Fluorene

Concen: 2.455 ng/ul

RT: 15.16 min Scan# 2086

Delta R.T. -0.00 min

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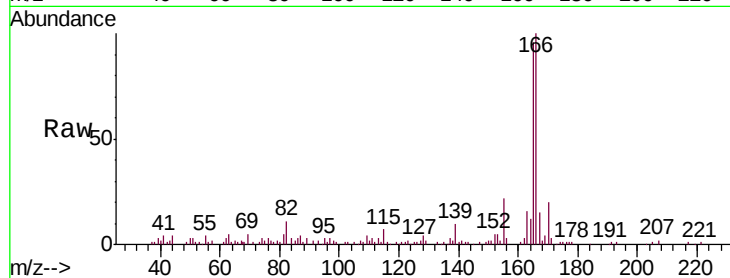
Tgt Ion:166 Resp: 121660

Ion Ratio Lower Upper

166 100

165 96.5 79.6 119.4

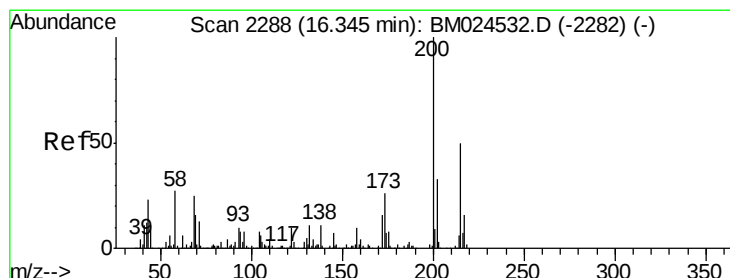
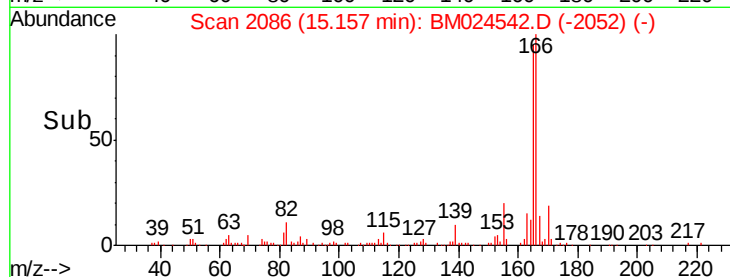
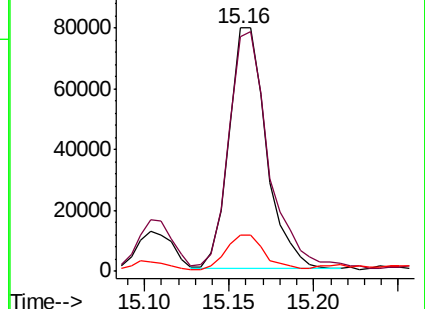
167 14.7 10.8 16.2



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



#68

Atrazine

Concen: 2.554 ng/ul

RT: 16.52 min Scan# 2317

Delta R.T. 0.17 min

Lab File: BM024542.D

Acq: 18 Jan 2020 18:58

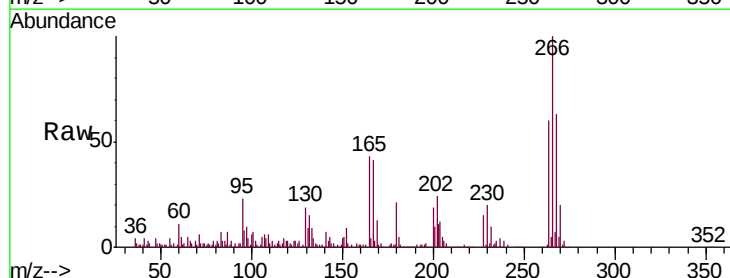
Tgt Ion:200 Resp: 42264

Ion Ratio Lower Upper

200 100

173 0.0 20.7 31.1#

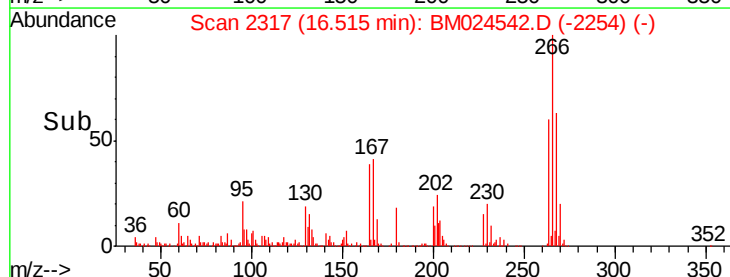
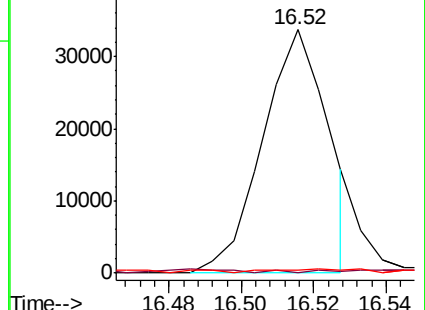
215 1.2 40.6 60.8#

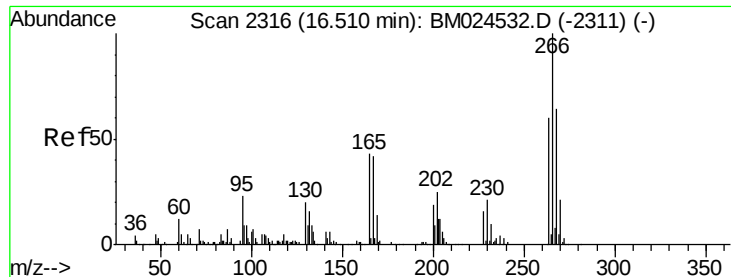


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

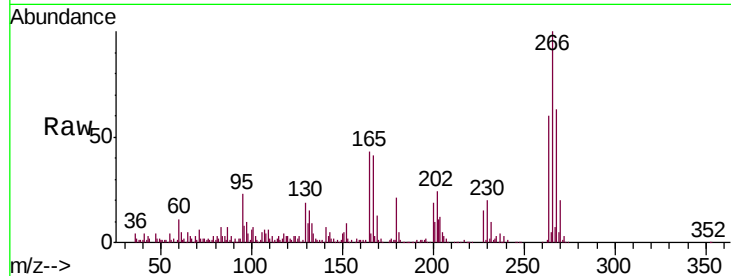




#69
 Pentachlorophenol
 Concen: 21.302 ng/ul
 RT: 16.52 min Scan# 2317
 Delta R.T. 0.01 min
 Lab File: BM024542.D
 Acq: 18 Jan 2020 18:58

Instrument :
 BNA_M
 ClientSampleId :
 GASG2MSD

Tgt Ion	Ratio	Lower	Upper
266	100		
264	59.7	48.6	72.8
268	62.6	50.6	76.0

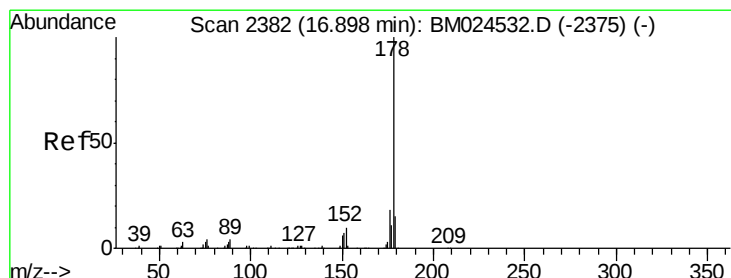
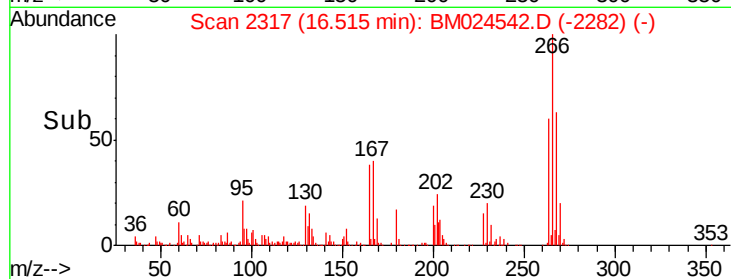
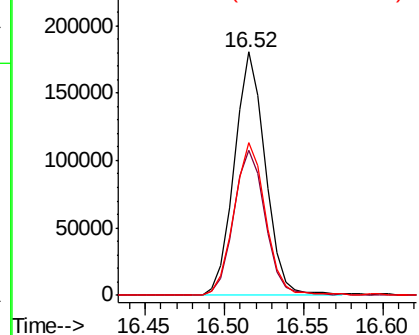


Abundance

Ion 265.70 (265.40 to 266.40): E

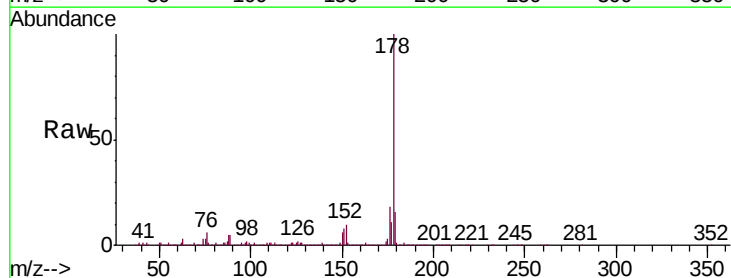
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#70
 Phenanthrene
 Concen: 17.464 ng/ul
 RT: 16.90 min Scan# 2382
 Delta R.T. -0.00 min
 Lab File: BM024542.D
 Acq: 18 Jan 2020 18:58

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

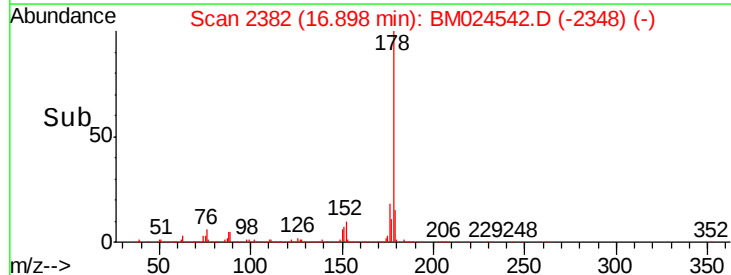
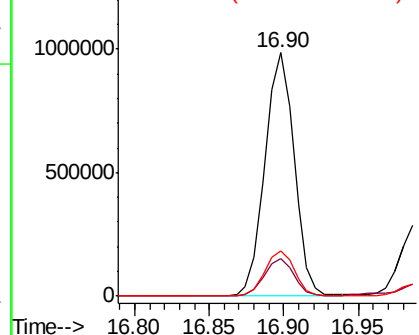


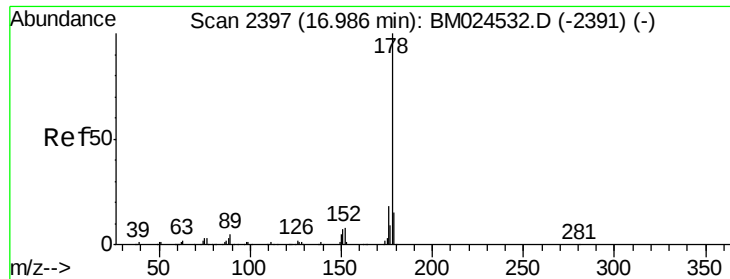
Abundance

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: 4.979 ng/ul

RT: 16.99 min Scan# 2397

Delta R.T. -0.00 min

Lab File: BM024542.D

Acq: 18 Jan 2020 18:58

Instrument :

BNA_M

ClientSampleId :

GAS2MSD

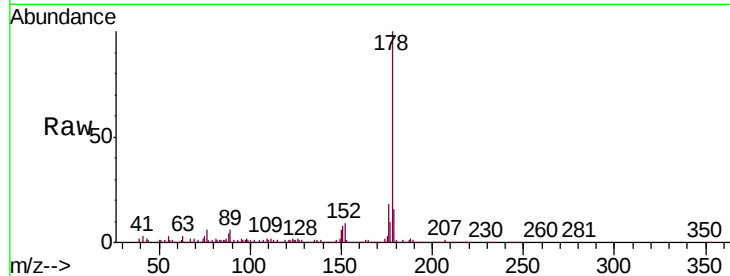
Tgt Ion:178 Resp: 387767

Ion Ratio Lower Upper

178 100

179 16.0 12.3 18.5

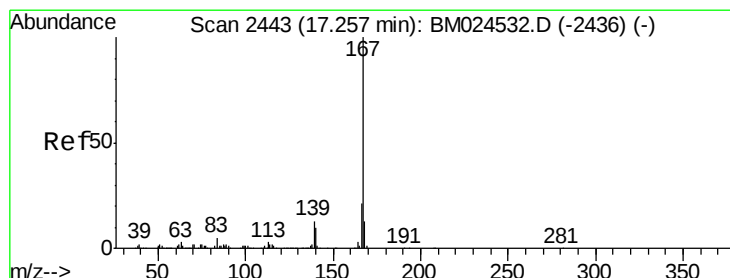
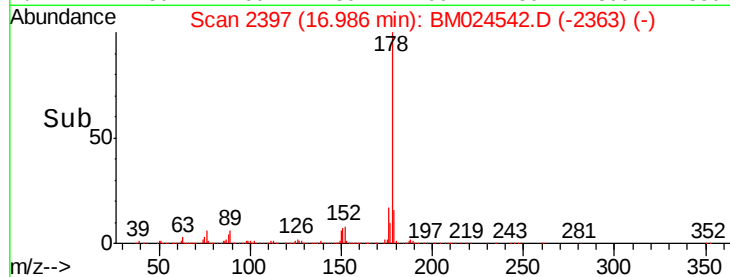
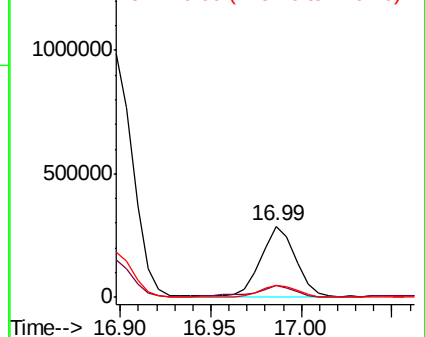
176 17.5 14.6 22.0



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: 1.006 ng/ul

RT: 17.26 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BM024542.D

Acq: 18 Jan 2020 18:58

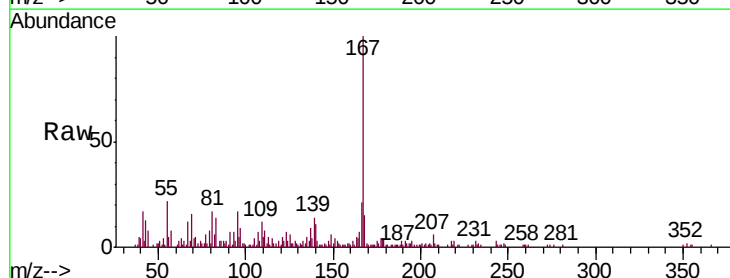
Tgt Ion:167 Resp: 65923

Ion Ratio Lower Upper

167 100

166 20.5 17.1 25.7

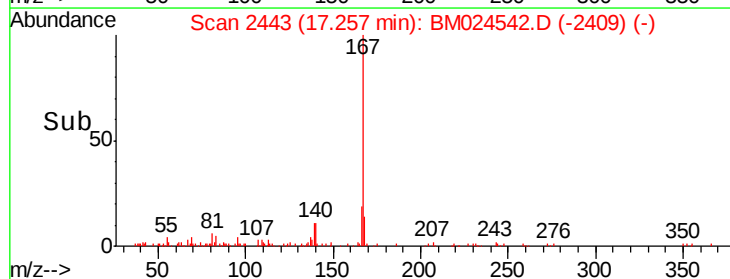
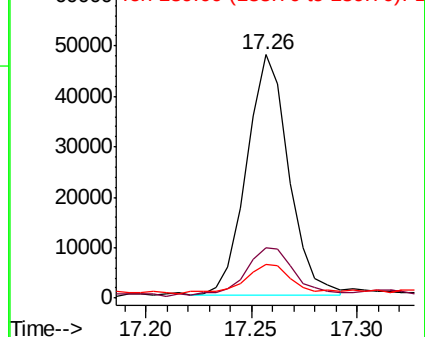
139 13.9 10.6 15.8

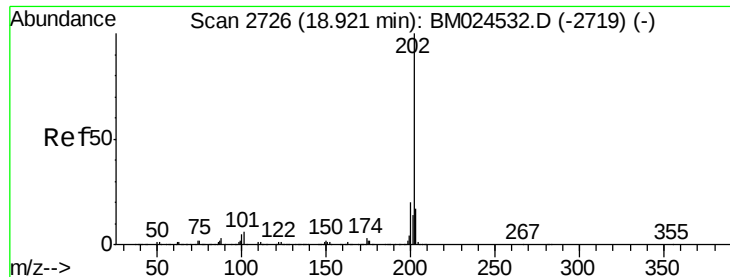


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

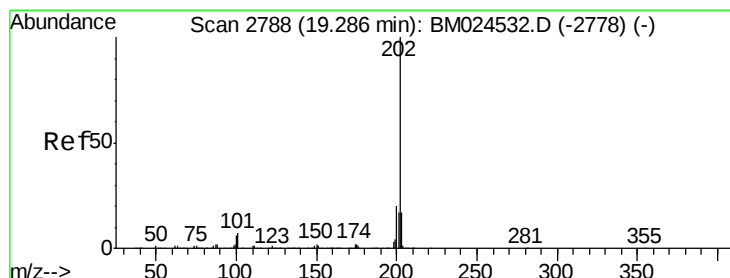
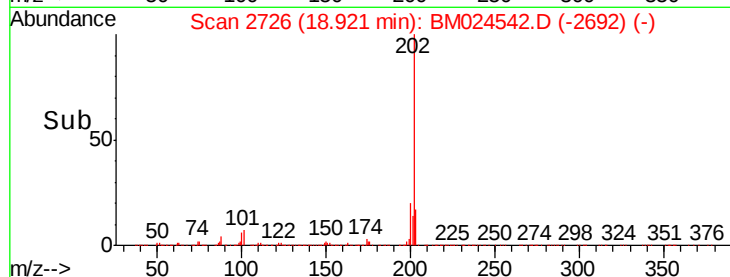
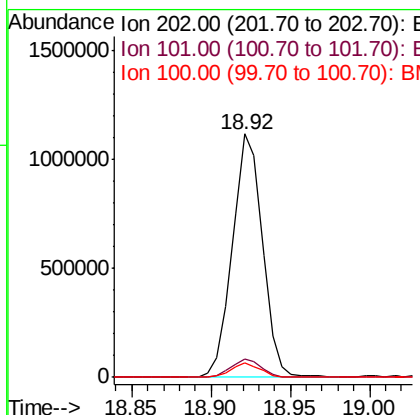
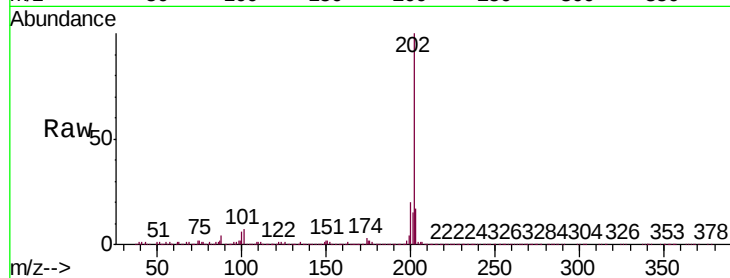




#77
 Fluoranthene
 Concen: 15.648 ng/ul
 RT: 18.92 min Scan# 2726
 Delta R.T. -0.00 min
 Lab File: BM024542.D
 Acq: 18 Jan 2020 18:58

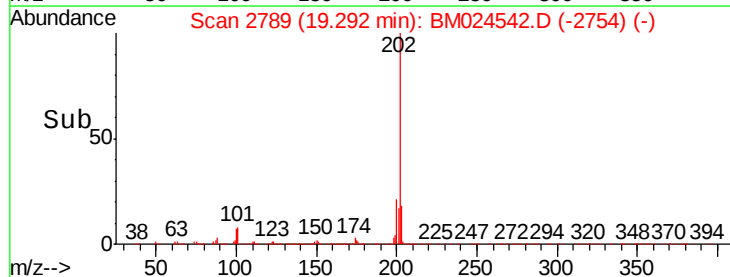
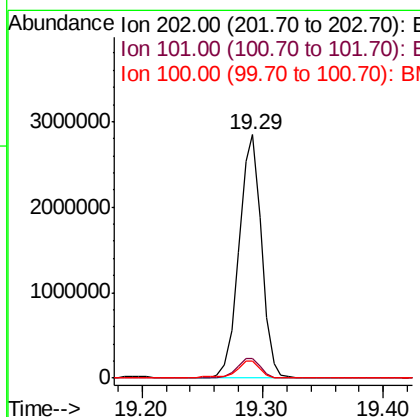
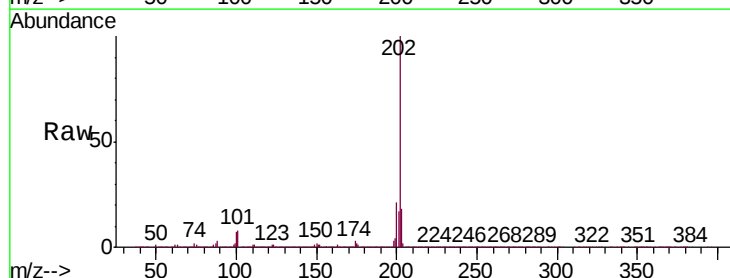
Instrument :
 BNA_M
 ClientSampleId :
 GAS2MSD

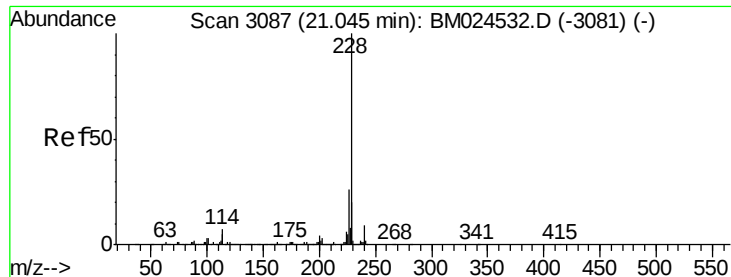
Tgt Ion:202 Resp: 1460513
 Ion Ratio Lower Upper
 202 100
 101 7.4 5.4 8.2
 100 5.8 4.3 6.5



#80
 Pyrene
 Concen: 34.495 ng/ul
 RT: 19.29 min Scan# 2789
 Delta R.T. 0.01 min
 Lab File: BM024542.D
 Acq: 18 Jan 2020 18:58

Tgt Ion:202 Resp: 3683098
 Ion Ratio Lower Upper
 202 100
 101 8.2 6.5 9.7
 100 6.8 5.0 7.6





#83

Benzo(a)anthracene

Concen: 7.130 ng/ul

RT: 21.10 min Scan# 3097

Delta R.T. 0.06 min

Lab File: BM024542.D

Acq: 18 Jan 2020 18:58

Instrument :

BNA_M

ClientSampleId :

GAS2MSD

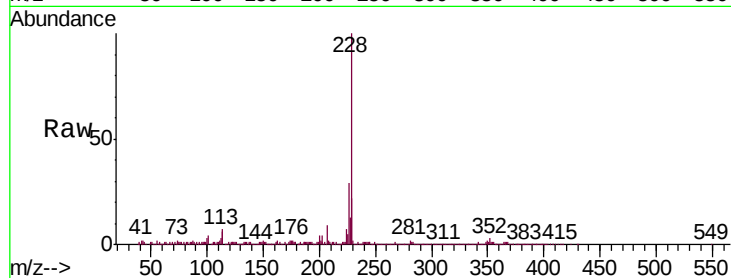
Tgt Ion:228 Resp: 757537

Ion Ratio Lower Upper

228 100

229 21.8 15.9 23.9

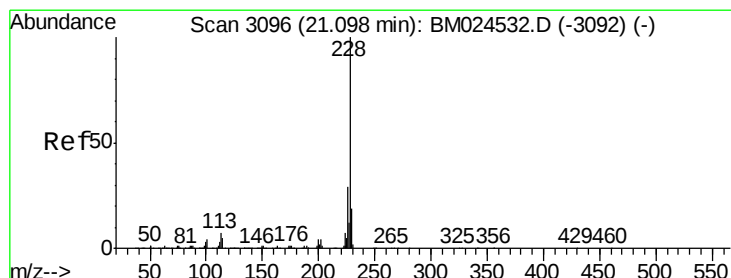
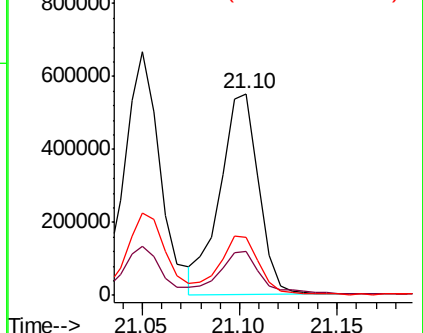
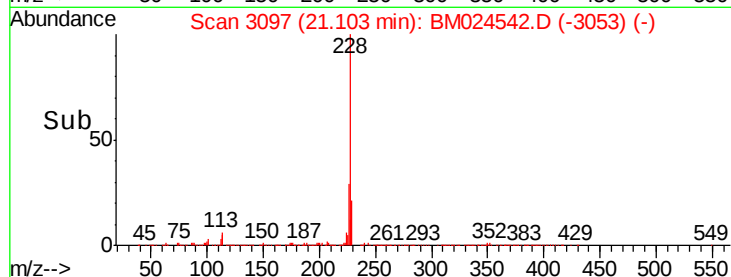
226 28.9 21.1 31.7



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: 7.417 ng/ul

RT: 21.10 min Scan# 3097

Delta R.T. 0.01 min

Lab File: BM024542.D

Acq: 18 Jan 2020 18:58

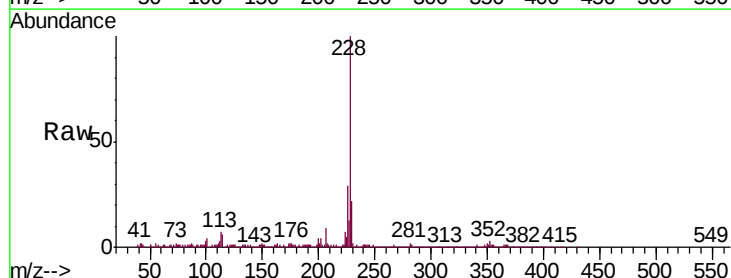
Tgt Ion:228 Resp: 759370

Ion Ratio Lower Upper

228 100

226 28.9 23.4 35.2

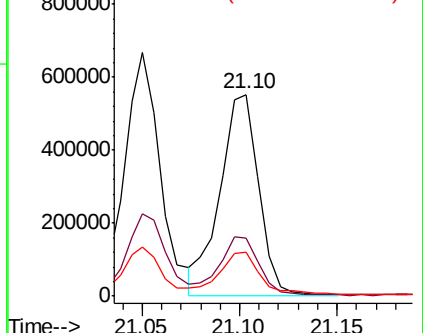
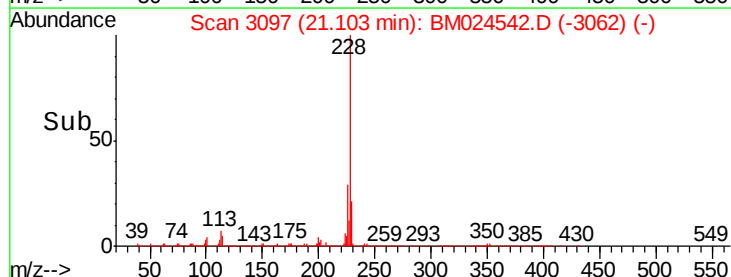
229 21.8 16.1 24.1

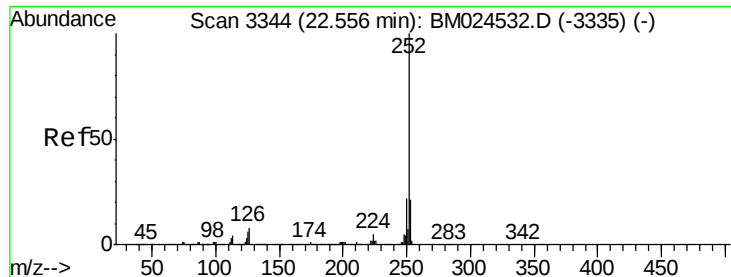


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 6.734 ng/ul

RT: 22.57 min Scan# 3346

Delta R.T. 0.01 min

Lab File: BM024542.D

Acq: 18 Jan 2020 18:58

Instrument :

BNA_M

ClientSampleId :

GAS2MSD

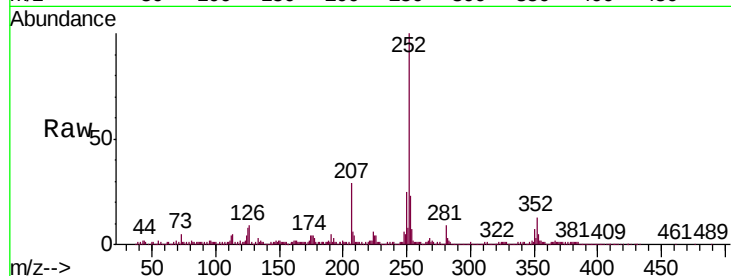
Tgt Ion:252 Resp: 777161

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

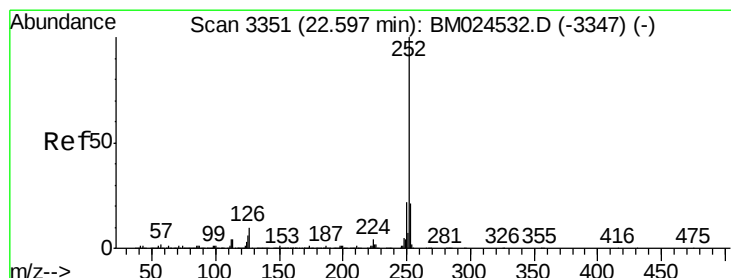
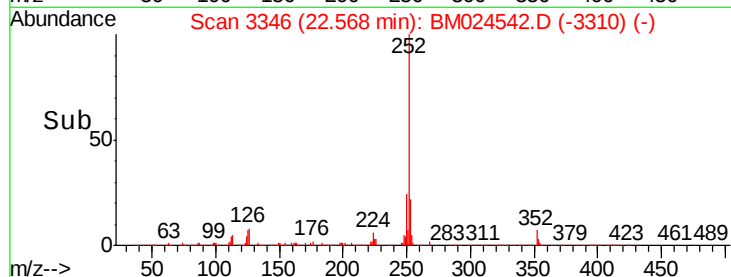
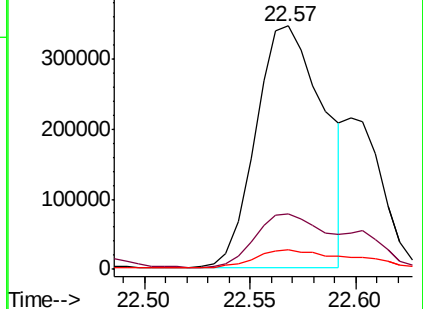
125 8.1 5.3 7.9#



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



#89

Benzo(k)fluoranthene

Concen: 6.852 ng/ul

RT: 22.57 min Scan# 3346

Delta R.T. -0.03 min

Lab File: BM024542.D

Acq: 18 Jan 2020 18:58

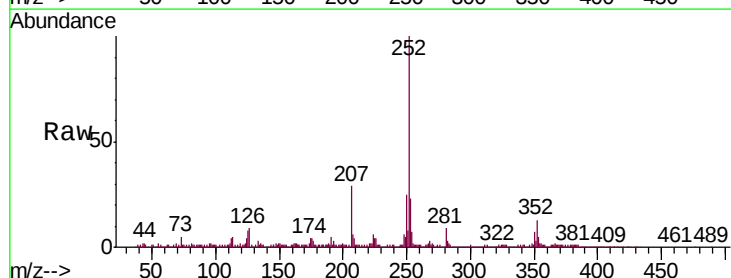
Tgt Ion:252 Resp: 777161

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

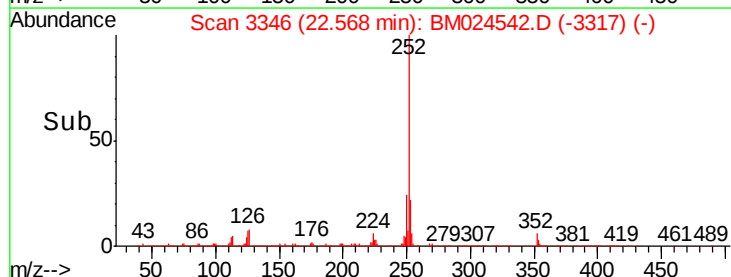
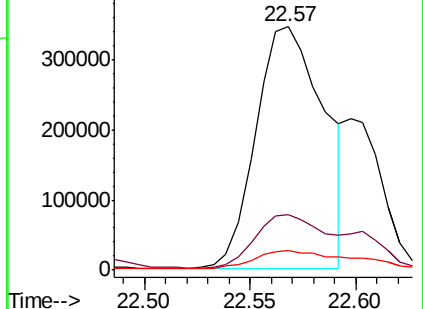
125 8.1 5.2 7.8#

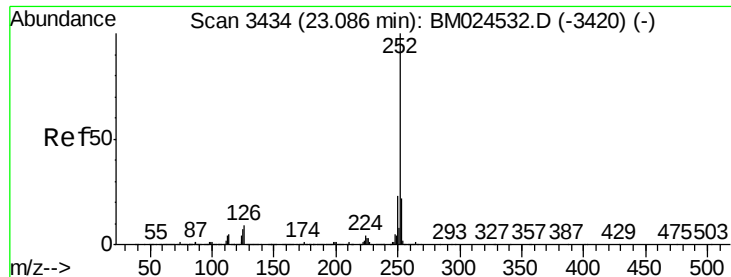


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 6.165 ng/ul

RT: 23.10 min Scan# 3436

Delta R.T. 0.01 min

Lab File: BM024542.D

Acq: 18 Jan 2020 18:58

Instrument :

BNA_M

ClientSampleId :

GAS2MSD

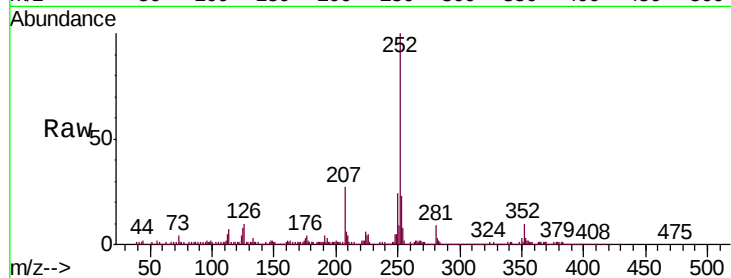
Tgt Ion:252 Resp: 618257

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

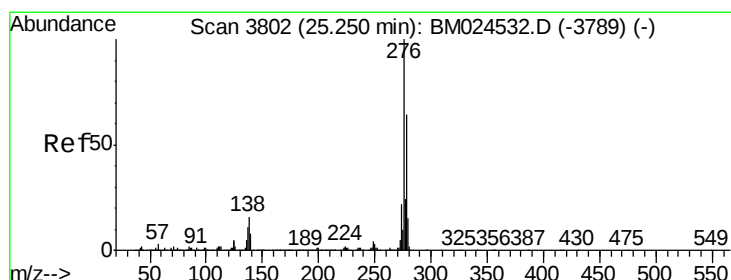
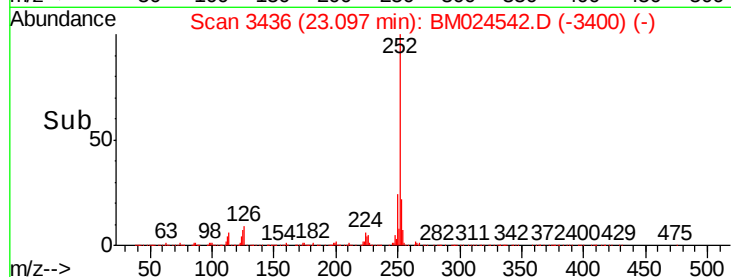
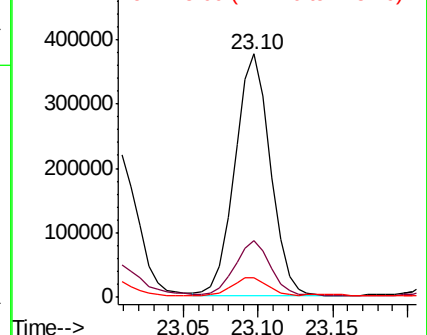
125 7.9 5.7 8.5



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: 3.172 ng/ul

RT: 25.26 min Scan# 3804

Delta R.T. 0.01 min

Lab File: BM024542.D

Acq: 18 Jan 2020 18:58

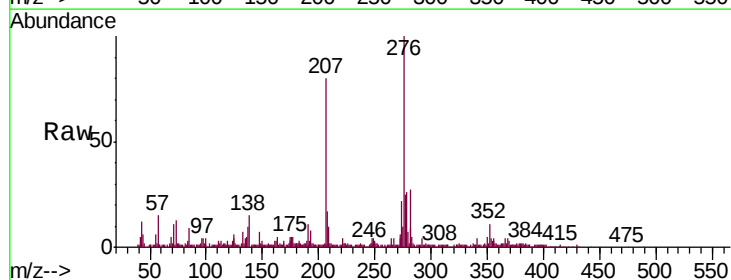
Tgt Ion:276 Resp: 332859

Ion Ratio Lower Upper

276 100

138 15.0 12.5 18.7

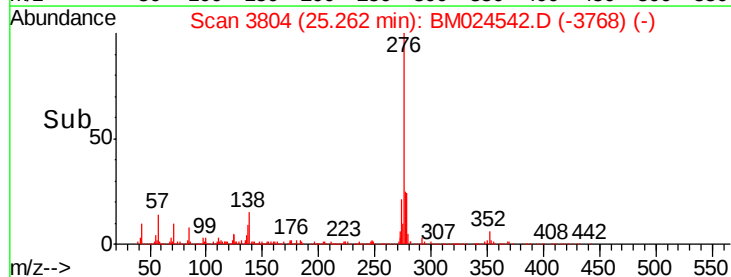
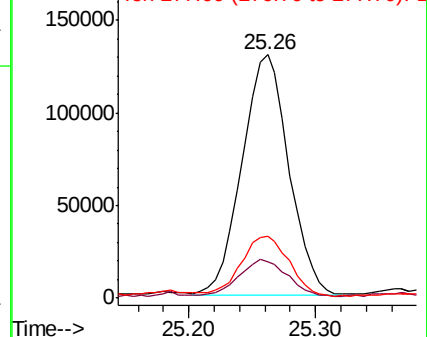
277 25.4 19.0 28.6

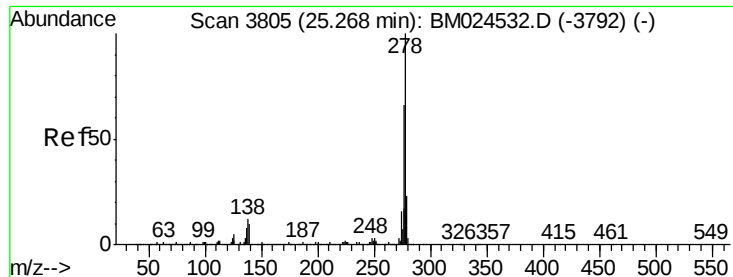


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 1.164 ng/ul

RT: 25.27 min Scan# 3805

Delta R.T. -0.00 min

Lab File: BM024542.D

Acq: 18 Jan 2020 18:58

Instrument :

BNA_M

ClientSampleId :

GAS2MSD

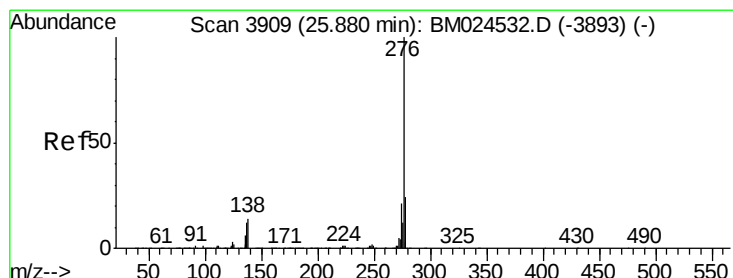
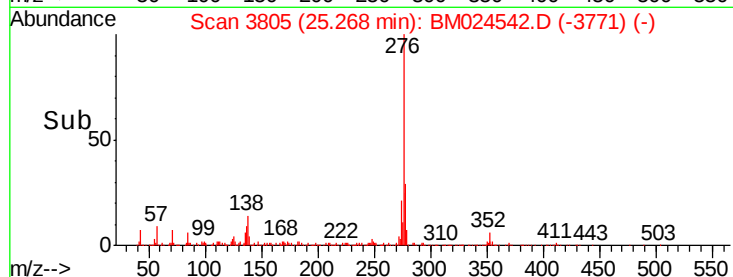
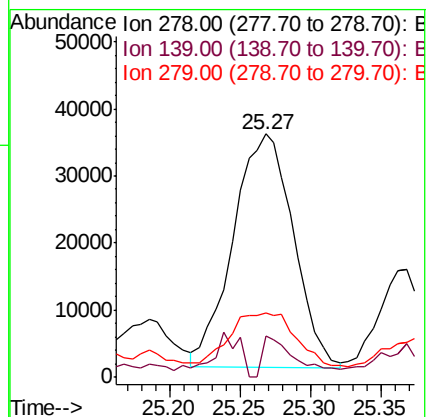
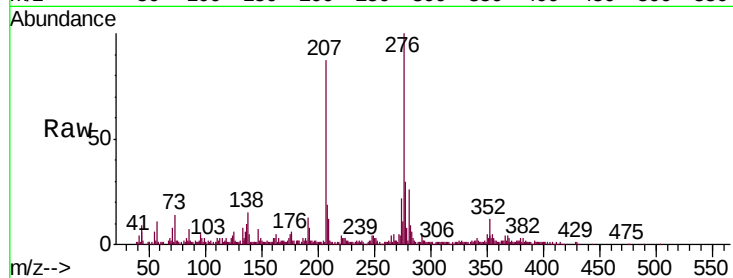
Tgt Ion:278 Resp: 103693

Ion Ratio Lower Upper

278 100

139 16.9 8.7 13.1#

279 26.5 18.6 27.8



#94

Benzo(g,h,i)perylene

Concen: 3.308 ng/ul

RT: 25.89 min Scan# 3910

Delta R.T. 0.01 min

Lab File: BM024542.D

Acq: 18 Jan 2020 18:58

Tgt Ion:276 Resp: 275917

Ion Ratio Lower Upper

276 100

138 14.8 12.2 18.2

277 24.1 18.8 28.2

