

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011720\
 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

Manual Integrations
 APPROVED

mohammad
 1/21/2020 8:00:07 AM

Quant Time: Jan 20 06:09:54 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

					Ovalue
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
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	21.05	228	854722m	8.045	ng/ul
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	22.60	252	259796m	2.291	ng/ul
91) Benzo(a)pyrene	23.10	252	618257	6.165	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	25.26	276	332859	3.172	ng/ul 97

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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)
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

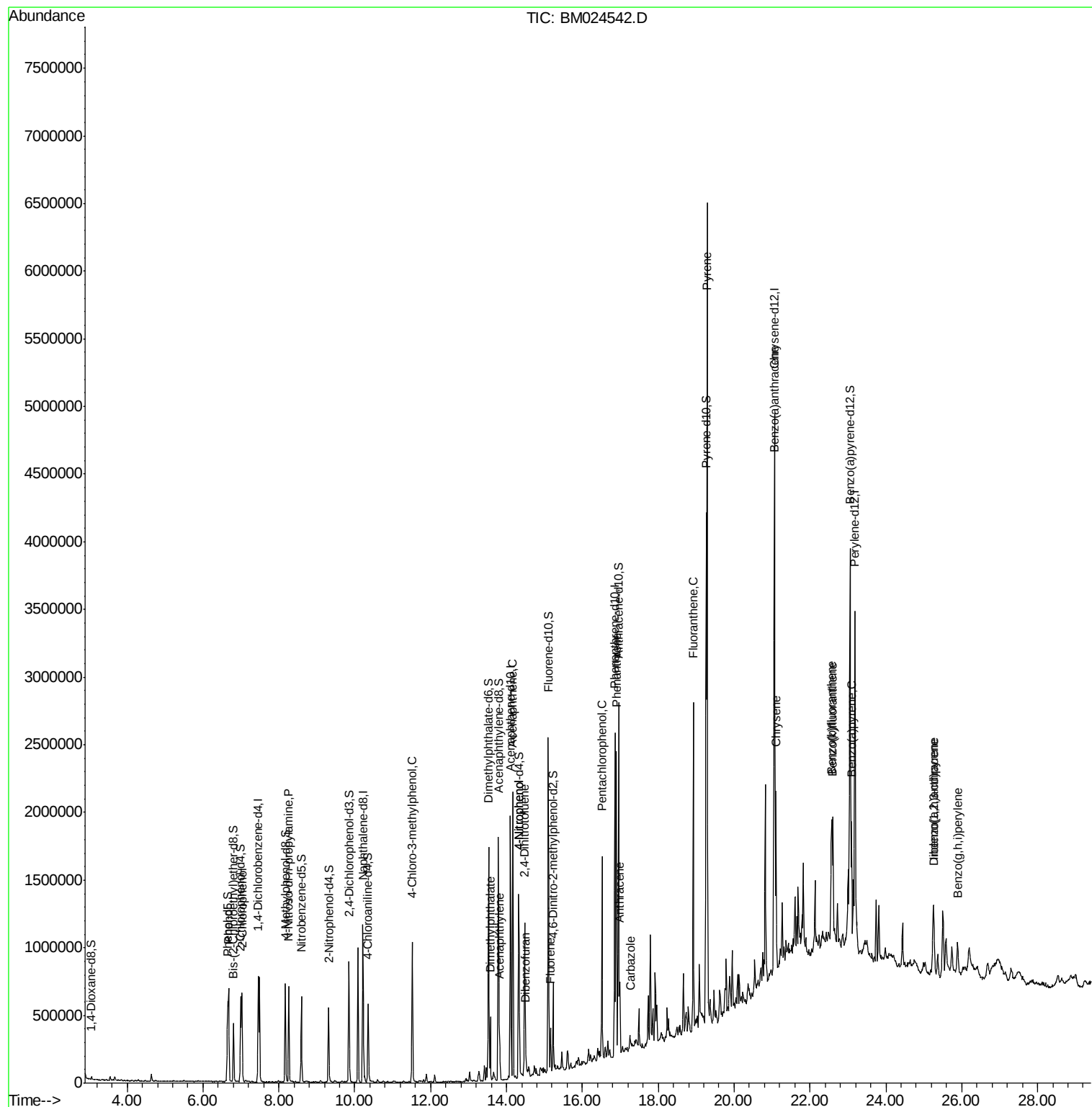
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011720\
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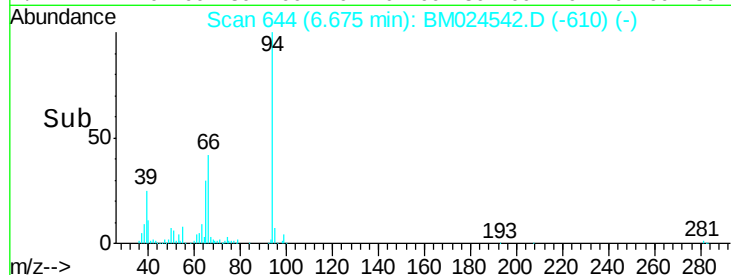
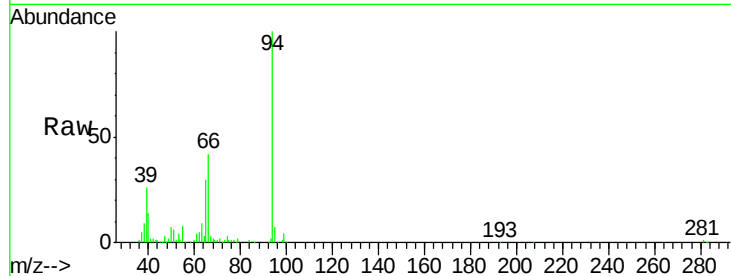
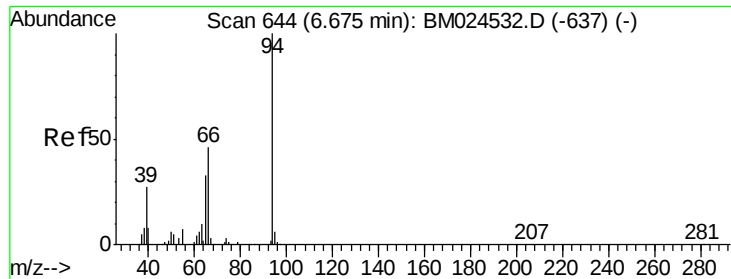
Instrument :
BNA_M
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Quant Time: Jan 20 06:09:54 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
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#6

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
94	100		329948		
65	30.3	26.7	40.1		
66	42.5	38.1	57.1		

Instrument :

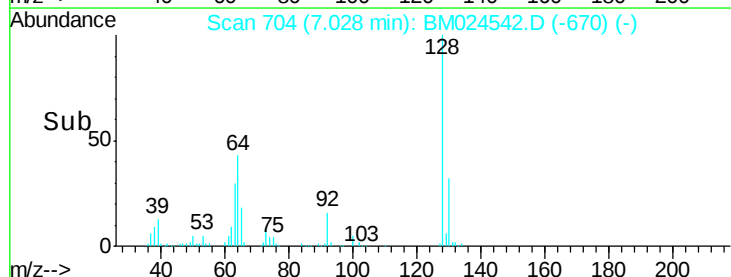
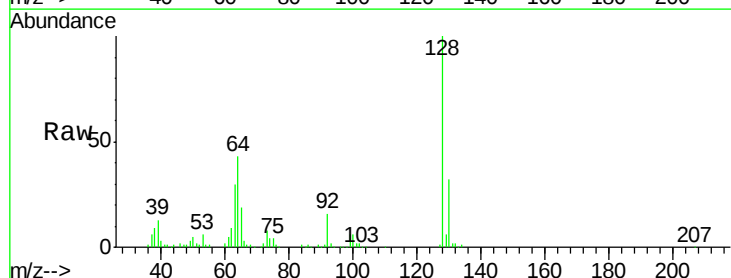
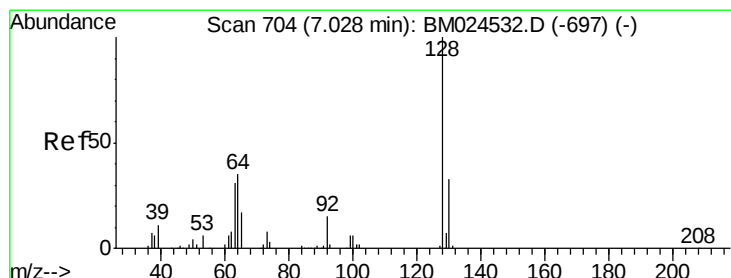
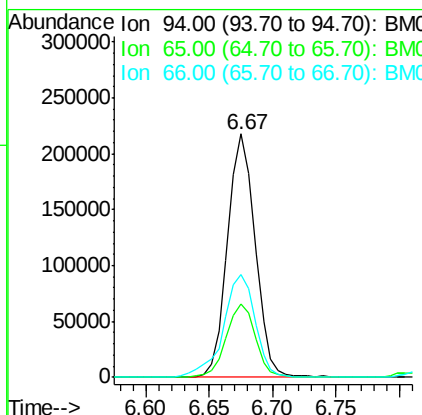
BNA_M

ClientSampled :

GAS2MSD

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#10

2-Chlorophenol

Concen: 20.760 ng/ul

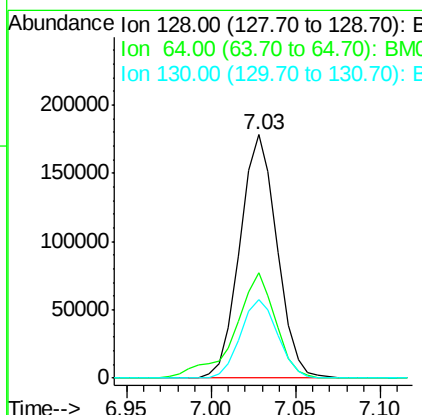
RT: 7.03 min Scan# 704

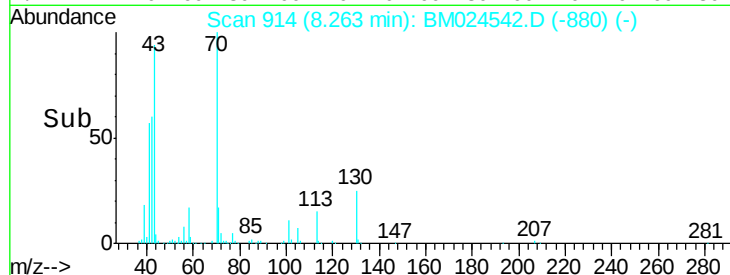
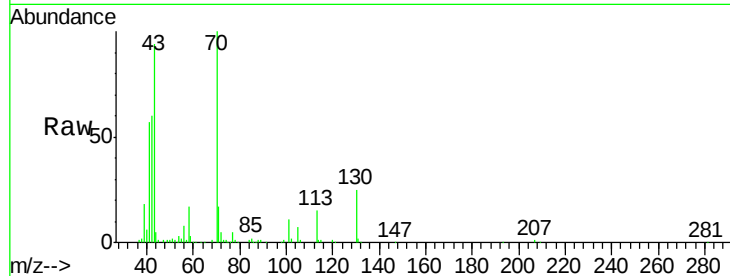
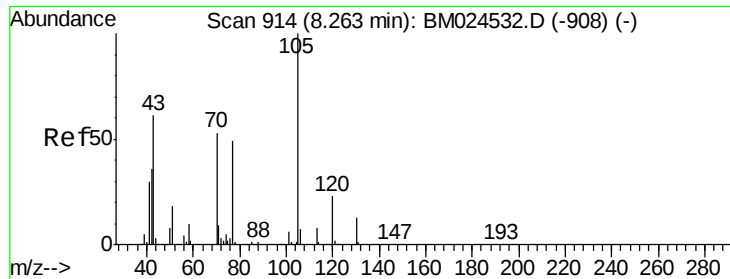
Delta R.T. -0.00 min

Lab File: BM024542.D

Acq: 18 Jan 2020 18:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		273246		
64	43.3	34.0	51.0		
130	32.5	25.4	38.2		





#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

Acq: 18 Jan 2020 18:58

Instrument :

BNA_M

ClientSampleId :

GAS2MSD

Tot Ion: 70 Resp: 217202

Ion Ratio Lower Upper

70 100

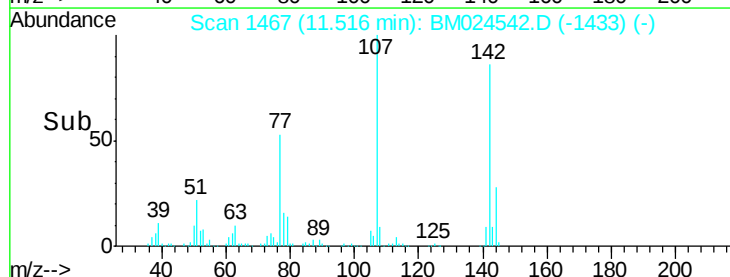
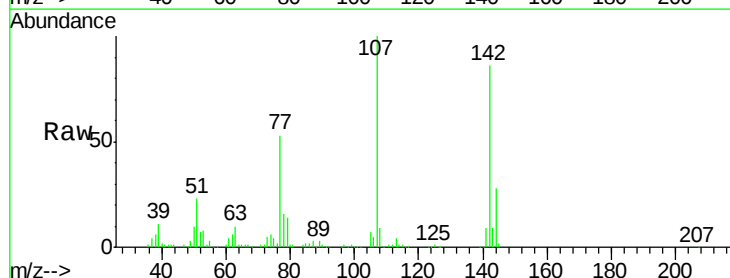
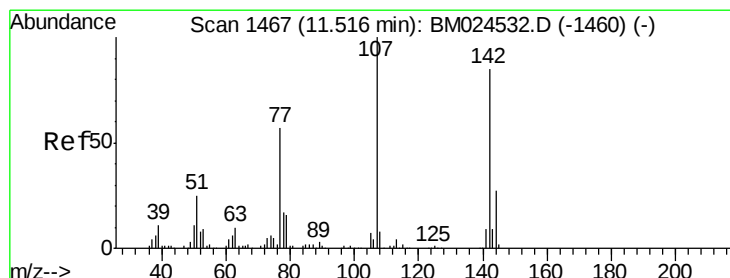
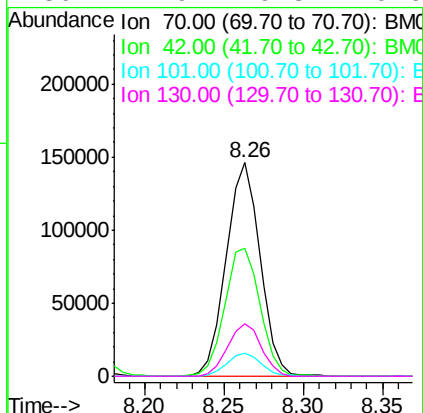
42 59.9 54.1 81.1

101 10.5 8.6 12.8

130 24.9 19.8 29.6

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#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

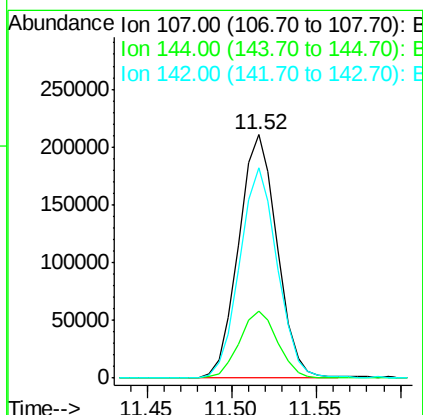
Tgt Ion:107 Resp: 334768

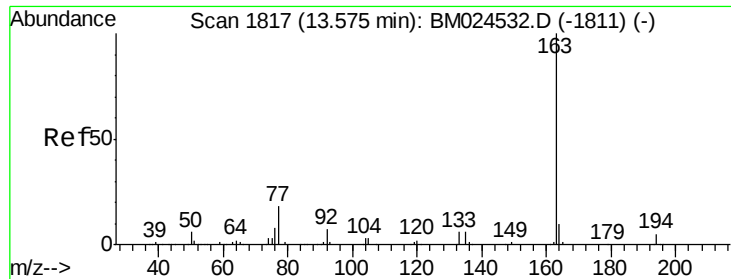
Ion Ratio Lower Upper

107 100

144 27.5 21.3 31.9

142 86.4 68.7 103.1





#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

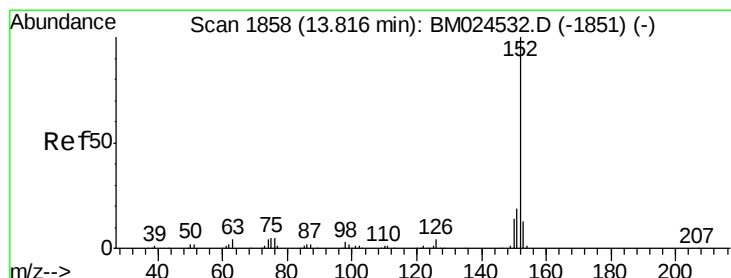
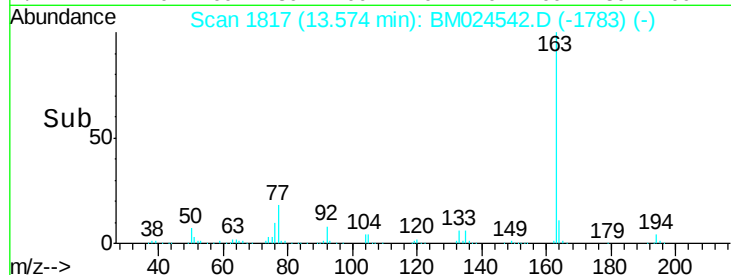
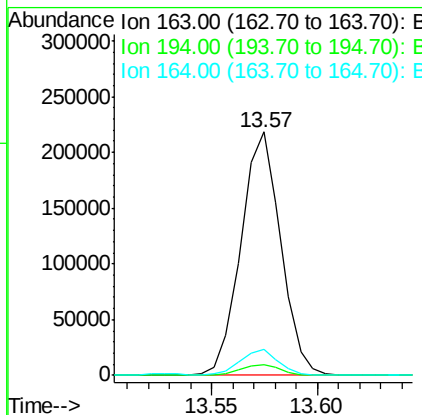
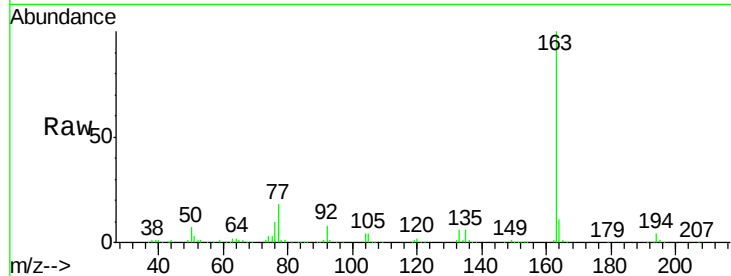
ClientSampleId :

GAS2MSD

Tot Ion:	163	Resp:	285850
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.4	5.0
164	10.8	8.0	12.0

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#48

Acenaphthylene

Concen: 3.592 ng/ul

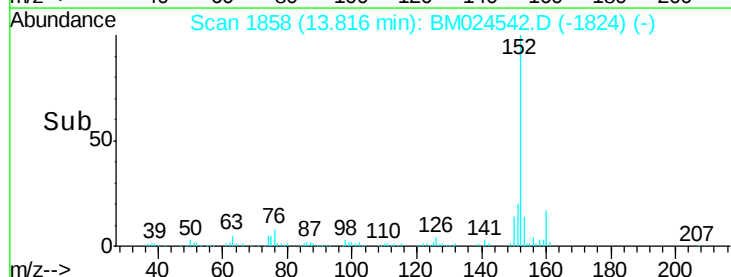
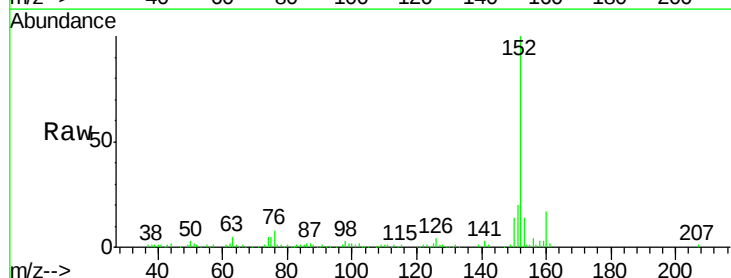
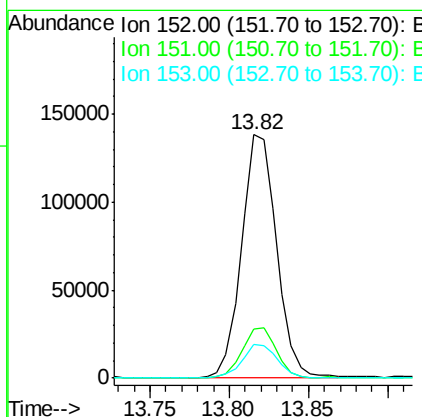
RT: 13.82 min Scan# 1858

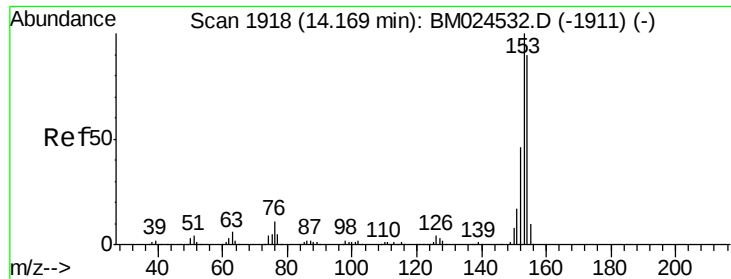
Delta R.T. -0.00 min

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





#50

Acenaphthene

Concen: 20.640 ng/ul

RT: 14.17 min Scan# 1918

Delta R.T. -0.00 min

Lab File: BM024542.D

Acq: 18 Jan 2020 18:58

Instrument :

BNA_M

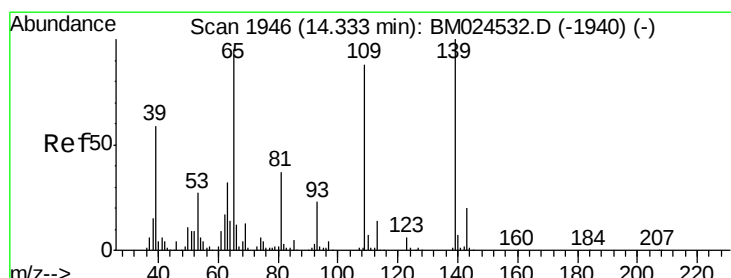
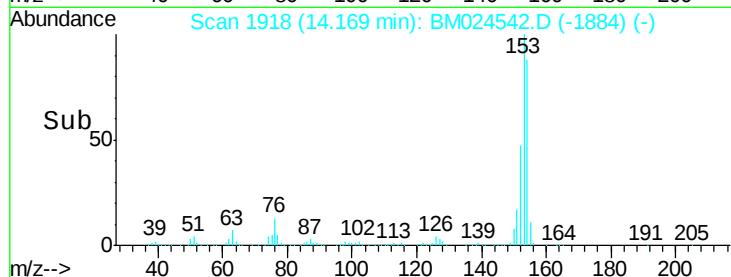
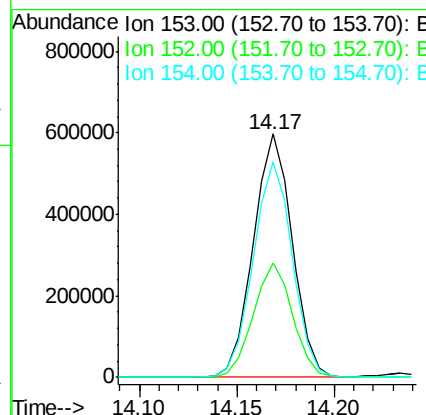
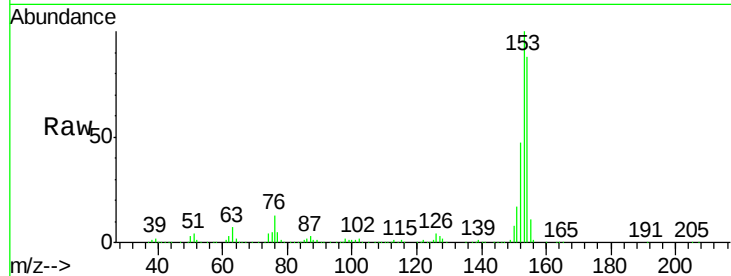
ClientSampleId :

GASG2MSD

Tot Ion:	153	Resp:	825804
Ion Ratio	Lower	Upper	
153	100		
152	46.7	37.2	55.8
154	88.2	70.6	106.0

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#53

4-Nitrophenol

Concen: 23.494 ng/ul

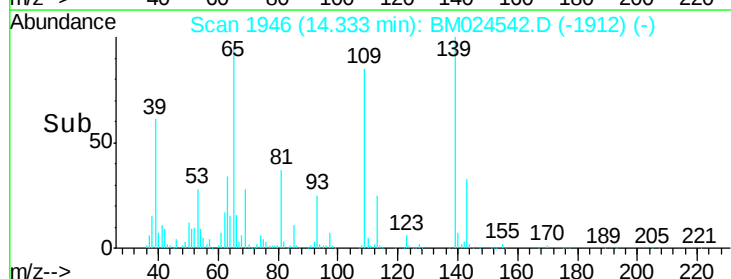
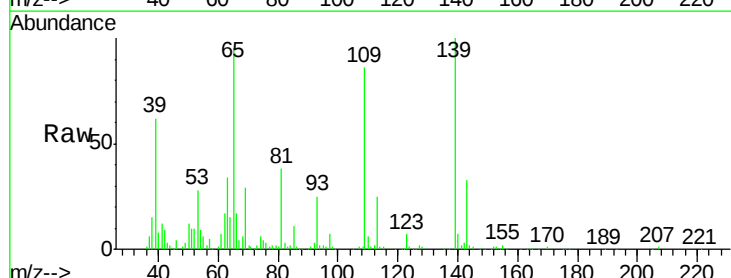
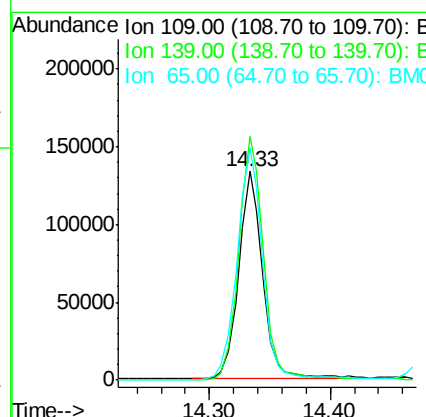
RT: 14.33 min Scan# 1946

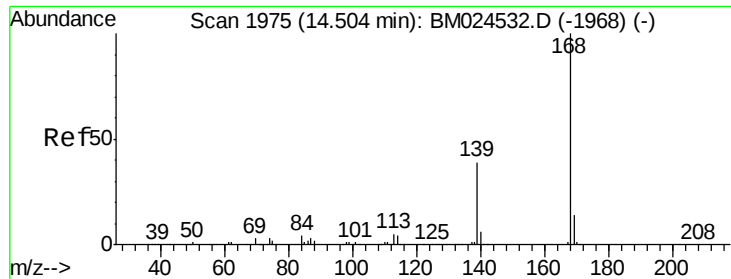
Delta R.T. -0.00 min

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





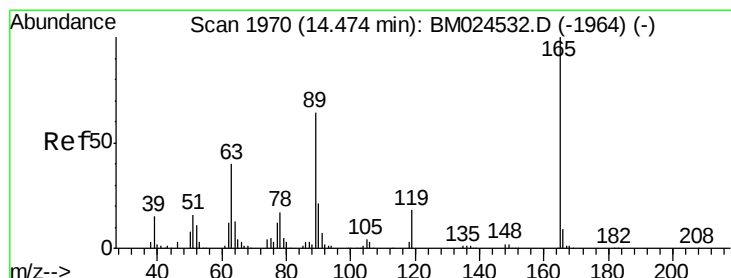
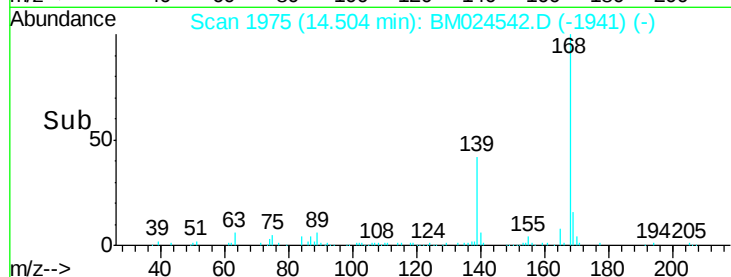
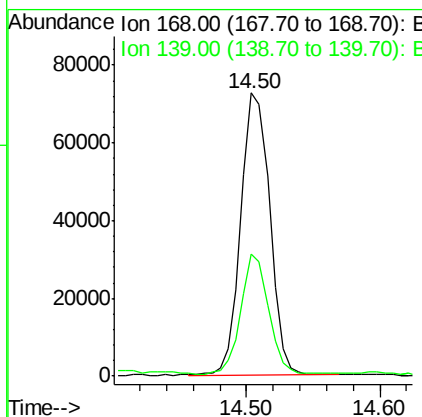
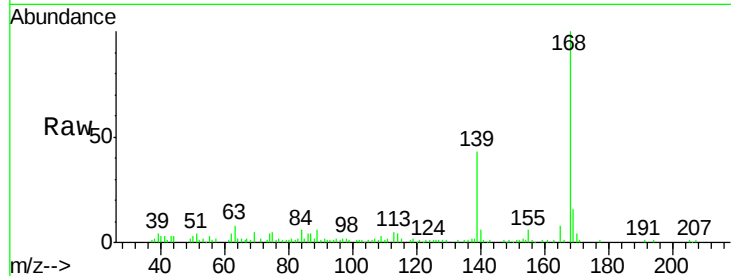
#54
Dibenzofuran
Concen: 1.871 ng/ul
RT: 14.50 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BM024542.D
Acq: 18 Jan 2020 18:58

Instrument :
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ClientSampleId :
GASG2MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	43.0	30.7	46.1

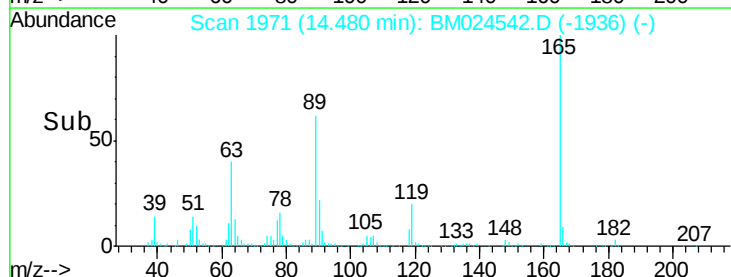
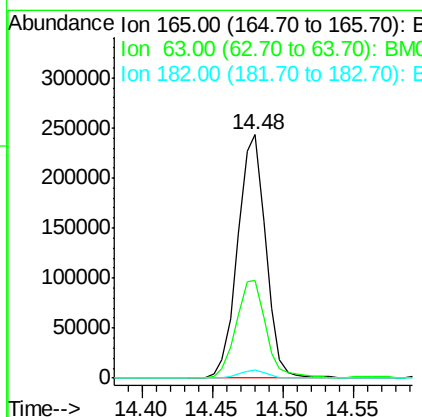
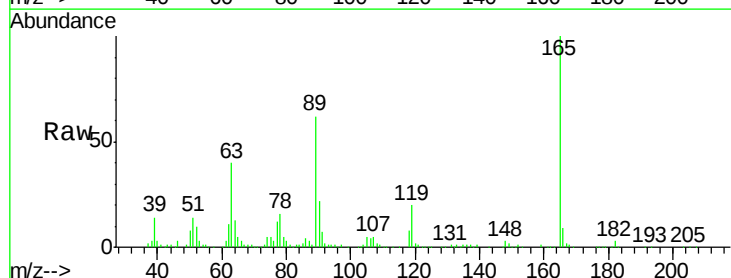
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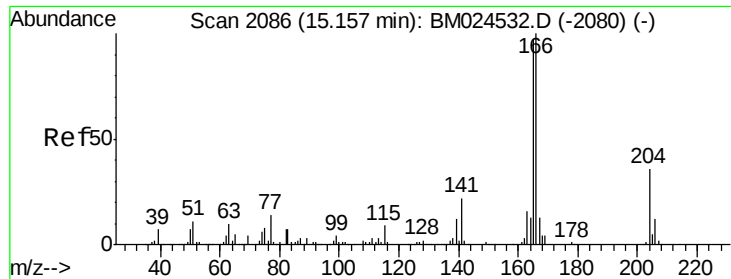
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#55
2,4-Dinitrotoluene
Concen: 23.468 ng/ul
RT: 14.48 min Scan# 1971
Delta R.T. 0.01 min
Lab File: BM024542.D
Acq: 18 Jan 2020 18:58

Tgt Ion	Ratio	Lower	Upper
165	100		
63	40.1	34.4	51.6
182	3.3	2.2	3.2#





#59

Fluorene

Concen: 2.455 ng/ul

RT: 15.16 min Scan# 2086

Delta R.T. -0.00 min

Lab File: BM024542.D

Acq: 18 Jan 2020 18:58

Instrument :

BNA_M

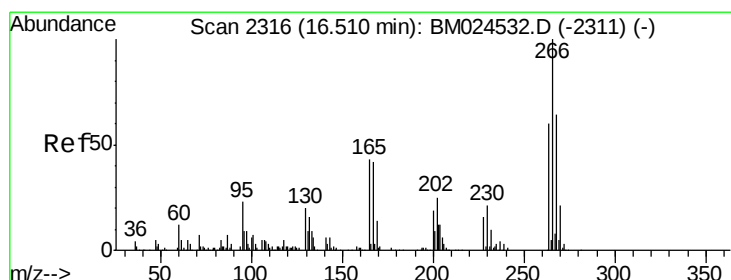
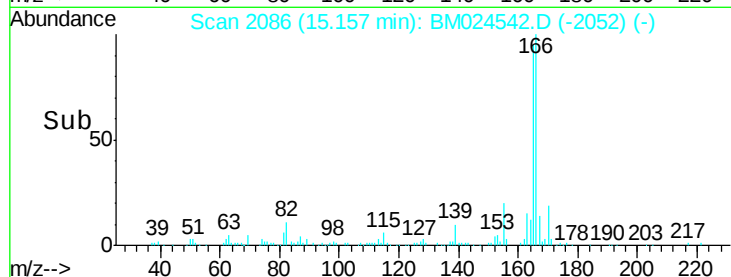
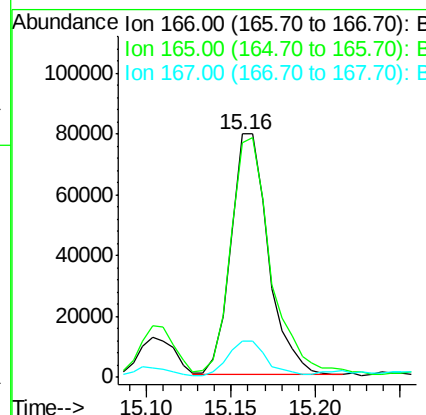
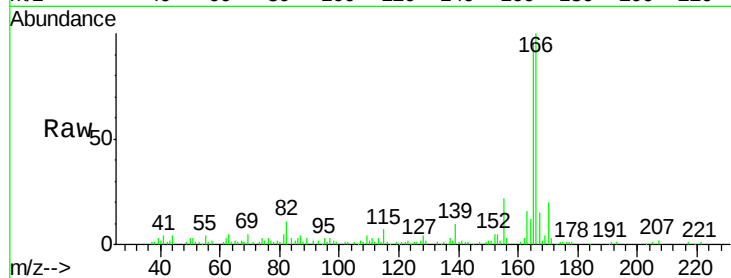
ClientSampleId :

GAS2MSD

Tot Ion:	166	Resp:	121660
Ion Ratio	Lower	Upper	
166	100		
165	96.5	79.6	119.4
167	14.7	10.8	16.2

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#69

Pentachlorophenol

Concen: 21.302 ng/ul

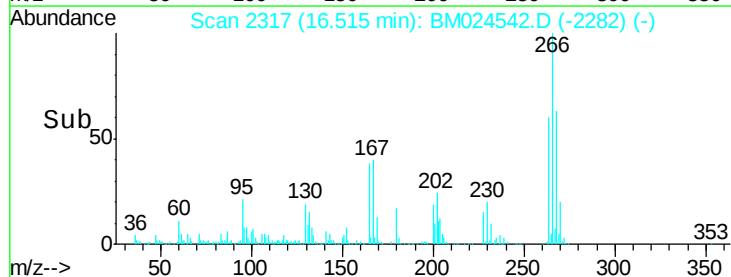
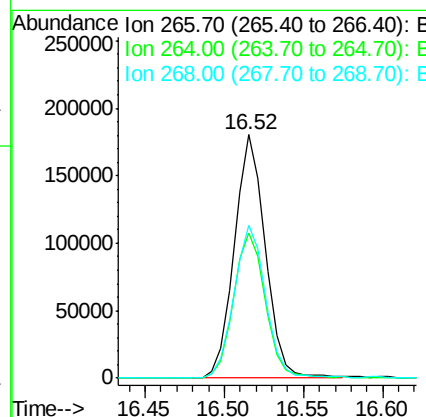
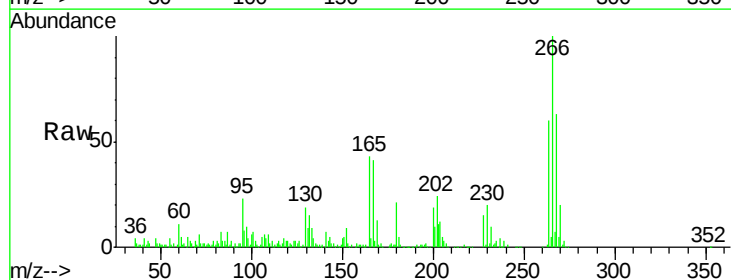
RT: 16.52 min Scan# 2317

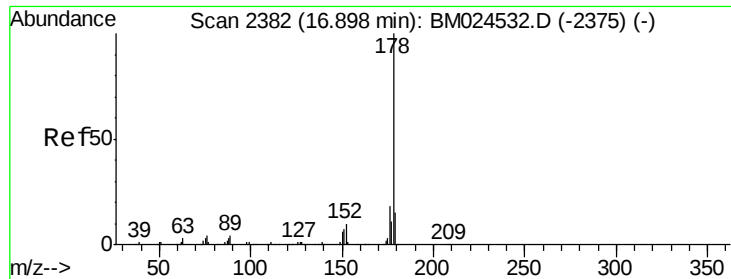
Delta R.T. 0.01 min

Lab File: BM024542.D

Acq: 18 Jan 2020 18:58

Tgt Ion:	266	Resp:	244503
Ion Ratio	Lower	Upper	
266	100		
264	59.7	48.6	72.8
268	62.6	50.6	76.0





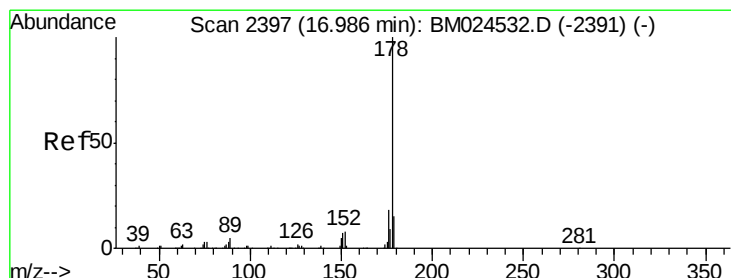
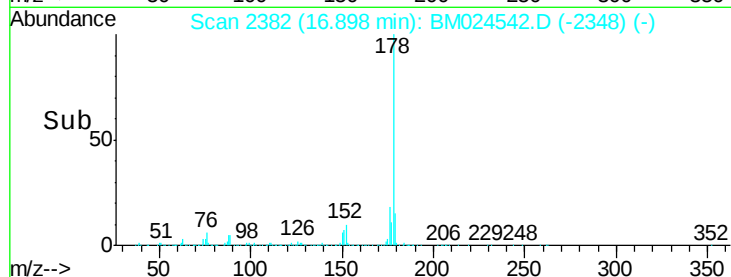
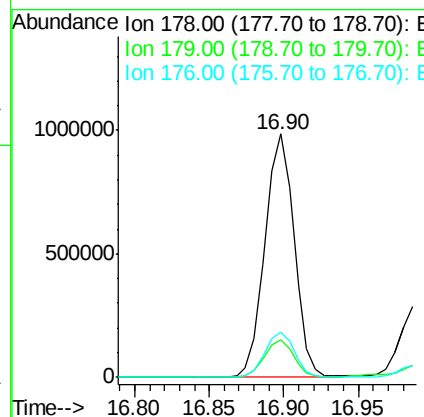
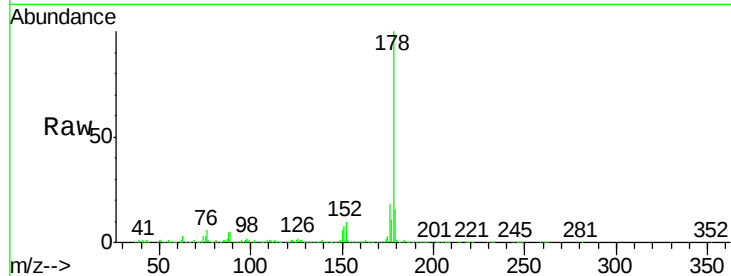
#70
Phenanthrene
Concen: 17.464 ng/ul
RT: 16.90 min Scan# 2382
Delta R.T. -0.00 min
Lab File: BM024542.D
Acq: 18 Jan 2020 18:58

Instrument :
BNA_M
ClientSampleId :
GASG2MSD

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

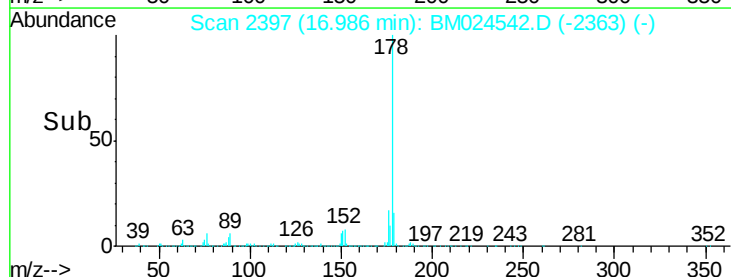
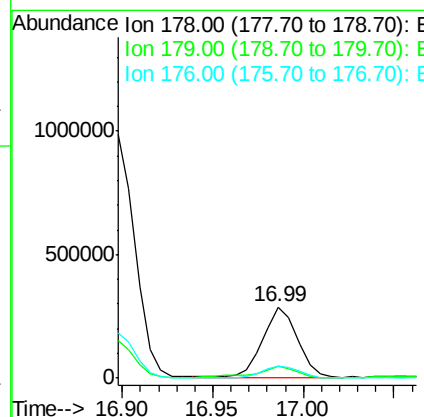
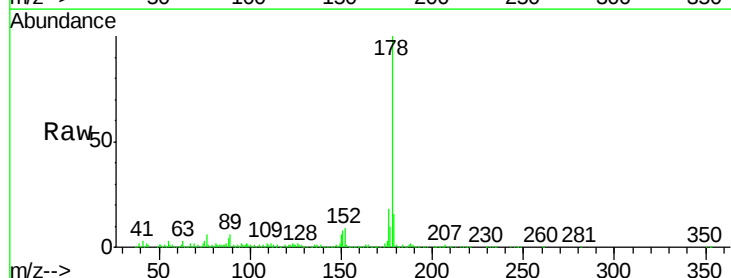
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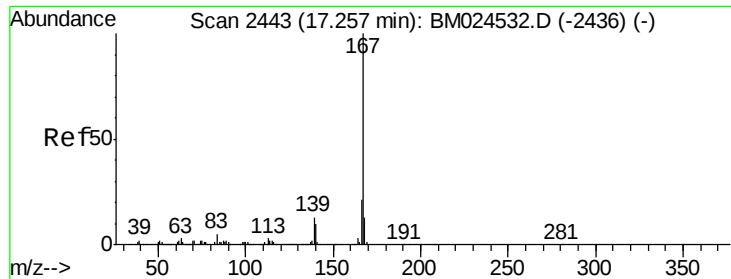
mohammad
1/21/2020 8:00:07 AM



#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

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.3	18.5
176	17.5	14.6	22.0





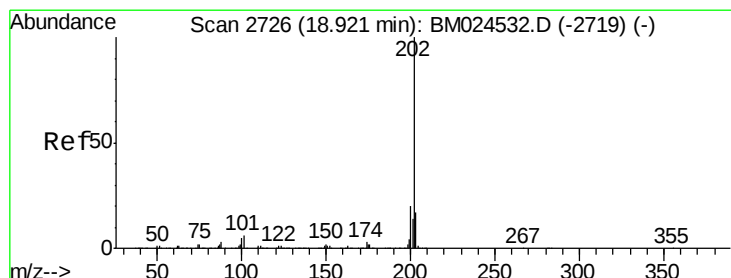
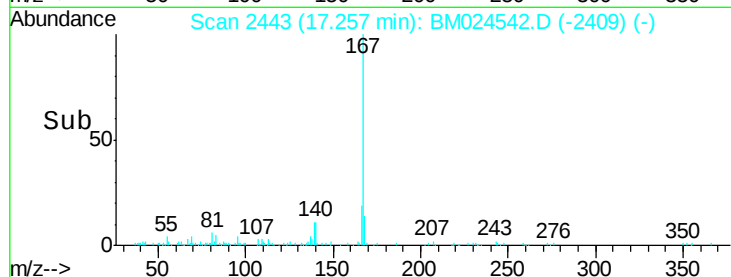
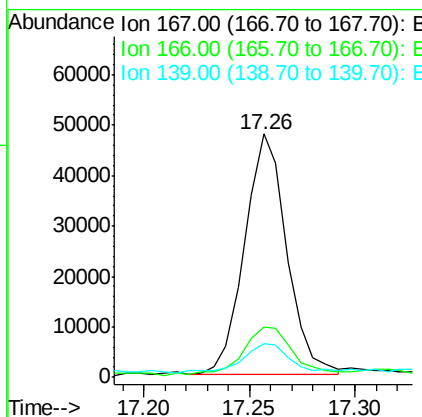
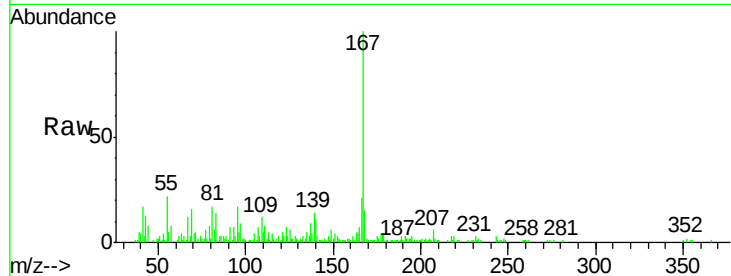
#75
 Carbazole
 Concen: 1.006 ng/ul
 RT: 17.26 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BM024542.D
 Acq: 18 Jan 2020 18:58

Instrument :
 BNA_M
 ClientSampleId :
 GASG2MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.5	17.1	25.7
139	13.9	10.6	15.8

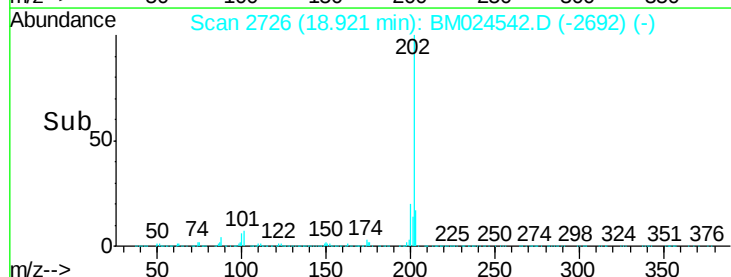
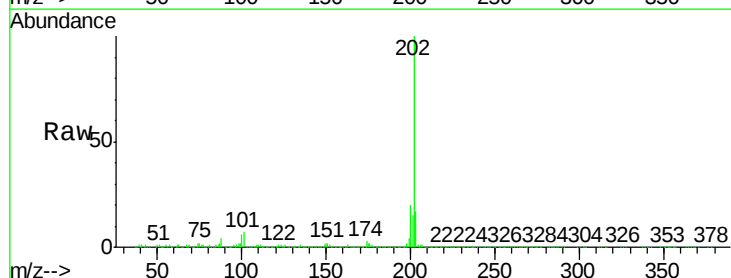
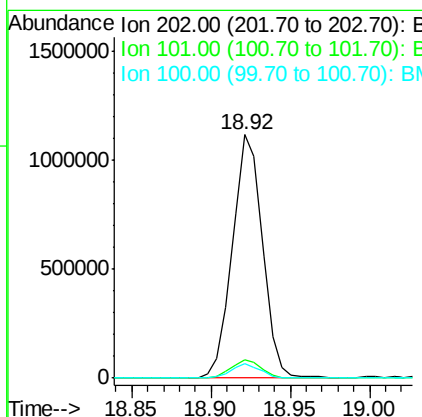
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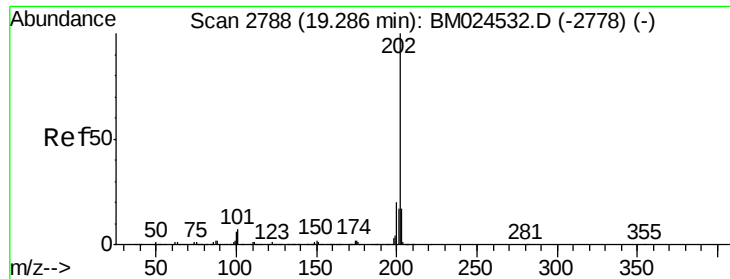
mohammad
 1/21/2020 8:00:07 AM



#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

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





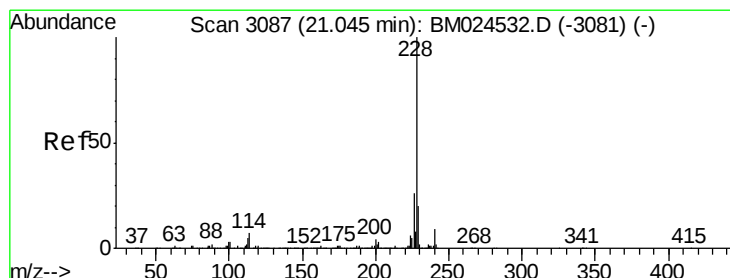
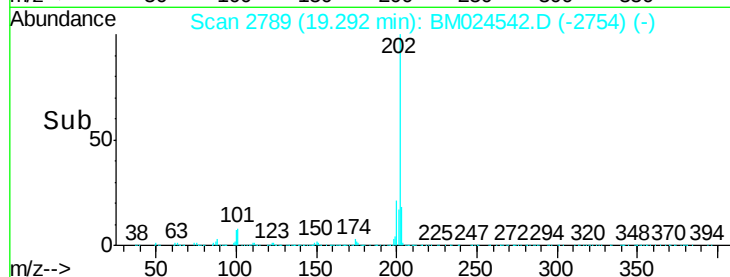
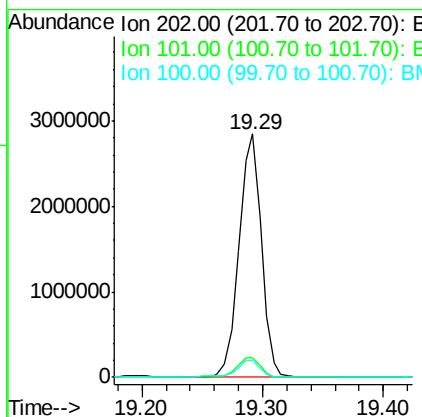
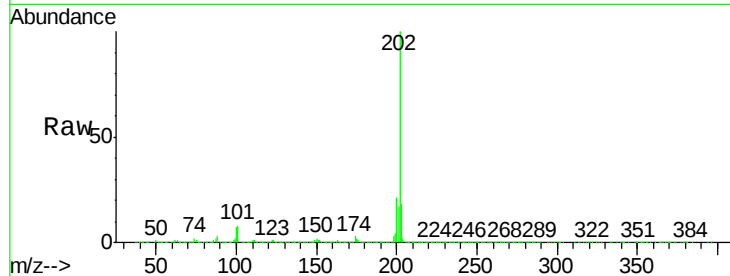
#80
Pvrene
Concen: 34.495 ng/ul
RT: 19.29 min Scan# 2789
Delta R.T. 0.01 min
Lab File: BM024542.D
Acq: 18 Jan 2020 18:58

Instrument :
BNA_M
ClientSampleId :
GAS2MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.2	6.5	9.7
100	6.8	5.0	7.6

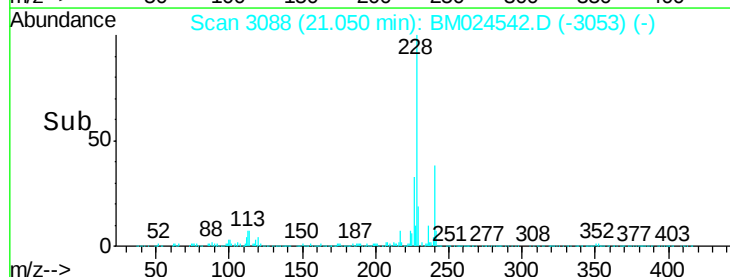
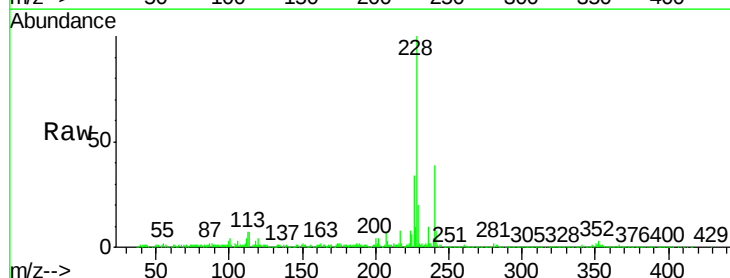
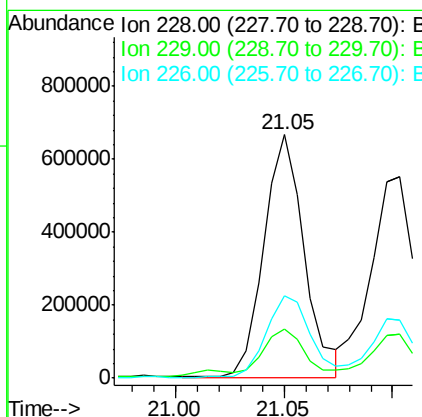
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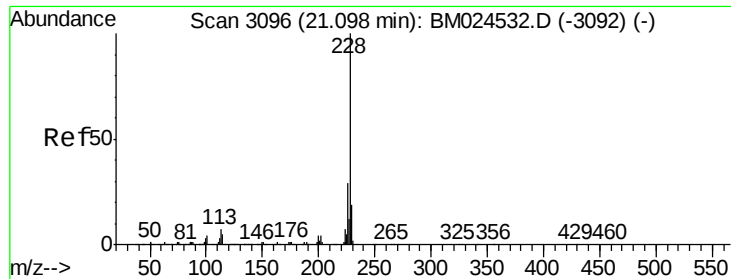
mohammad
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#83
Benzo(a)anthracene
Concen: 8.045 ng/ul m
RT: 21.05 min Scan# 3088
Delta R.T. 0.01 min
Lab File: BM024542.D
Acq: 18 Jan 2020 18:58

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.9	23.9
226	33.6	21.1	31.7





#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

Instrument :

BNA_M

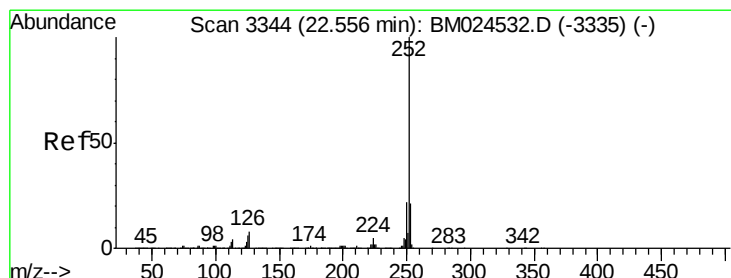
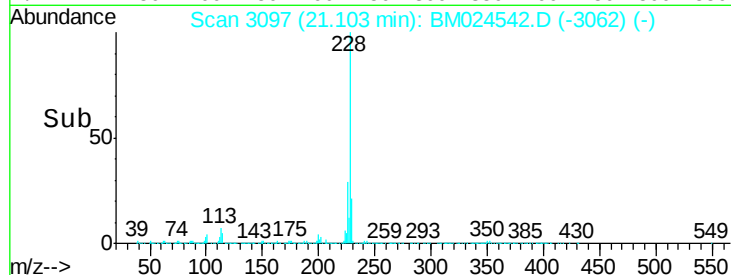
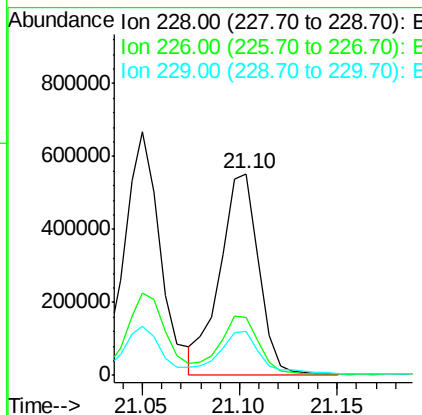
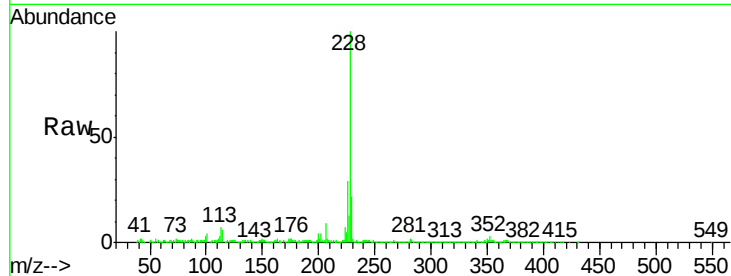
ClientSampleId :

GAS2MSD

Tot Ion:	228	Resp:	759370
Ion Ratio	Lower	Upper	
228	100		
226	28.9	23.4	35.2
229	21.8	16.1	24.1

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 6.734 ng/ul

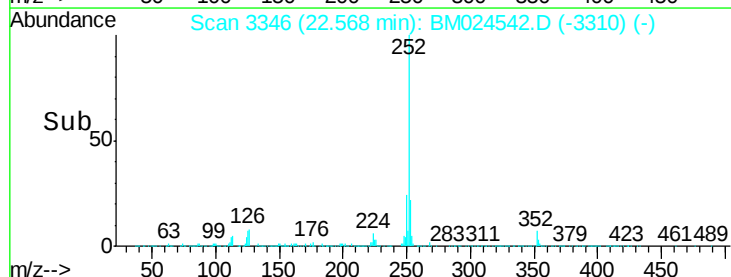
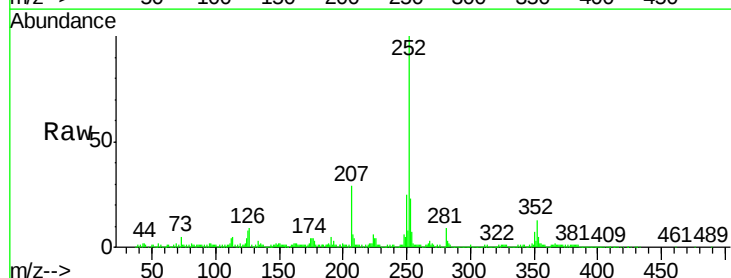
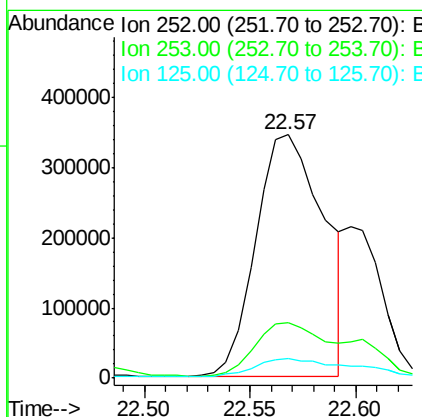
RT: 22.57 min Scan# 3346

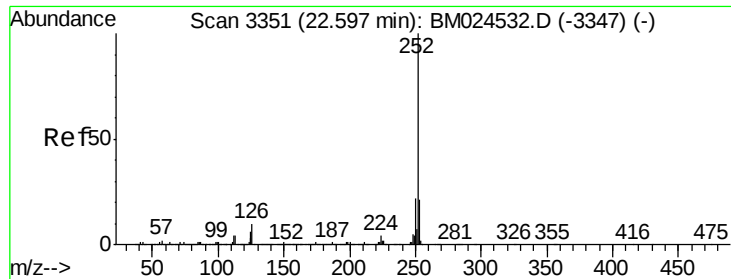
Delta R.T. 0.01 min

Lab File: BM024542.D

Acq: 18 Jan 2020 18:58

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





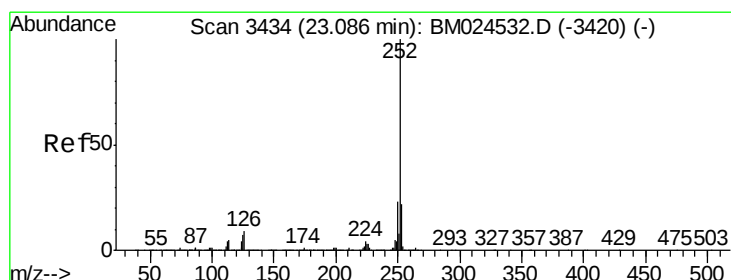
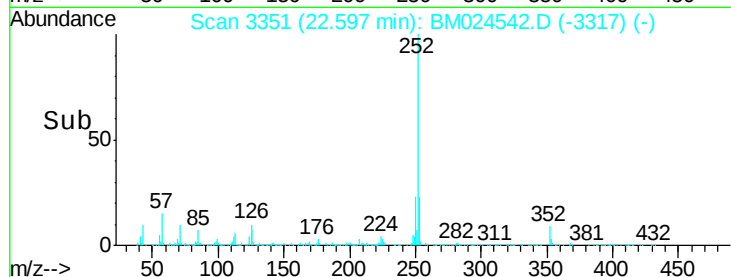
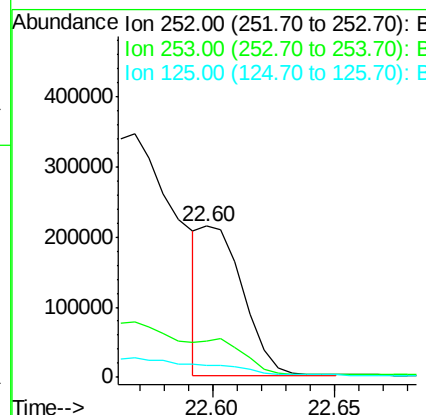
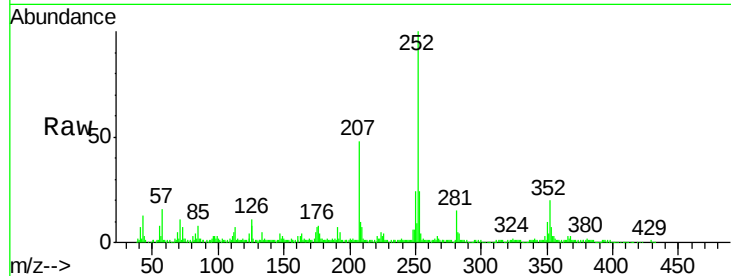
#89
Benzo(k)fluoranthene
Concen: 2.291 ng/ul
RT: 22.60 min Scan# 3351
Delta R.T. -0.00 min
Lab File: BM024542.D
Acq: 18 Jan 2020 18:58

Instrument :
BNA_M
ClientSampleId :
GAS2MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	8.0	5.2	7.8

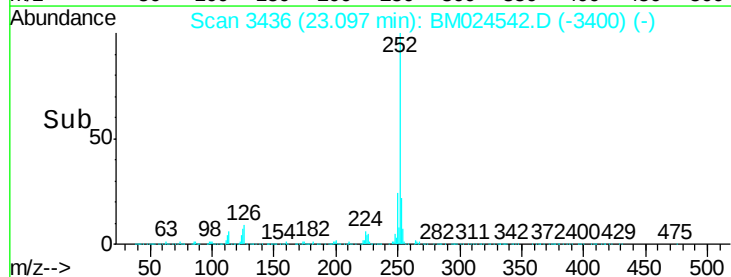
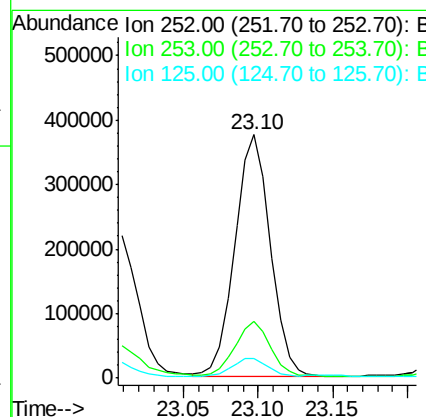
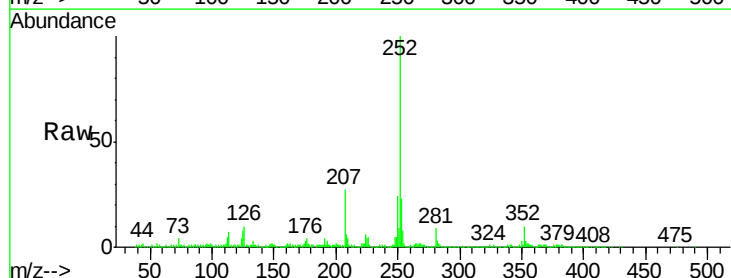
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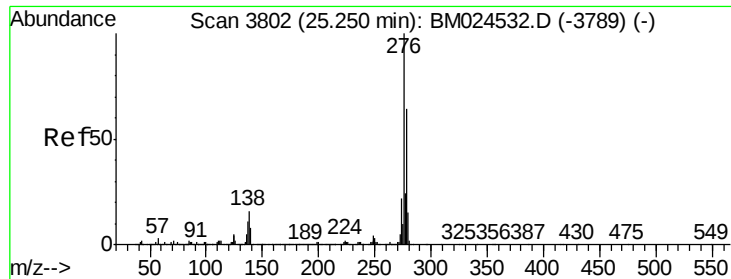
mohammad
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#91
Benzo(a)pyrene
Concen: 6.165 ng/ul
RT: 23.10 min Scan# 3436
Delta R.T. 0.01 min
Lab File: BM024542.D
Acq: 18 Jan 2020 18:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	7.9	5.7	8.5





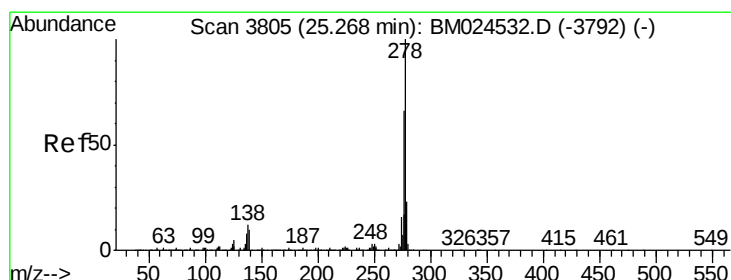
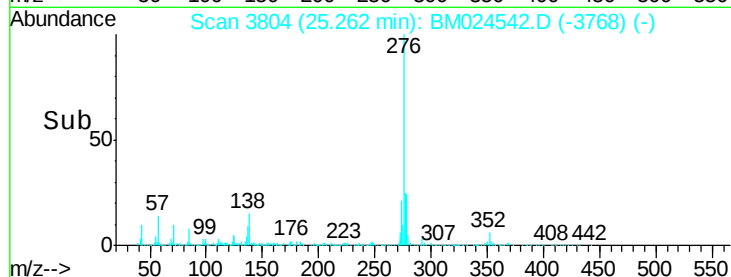
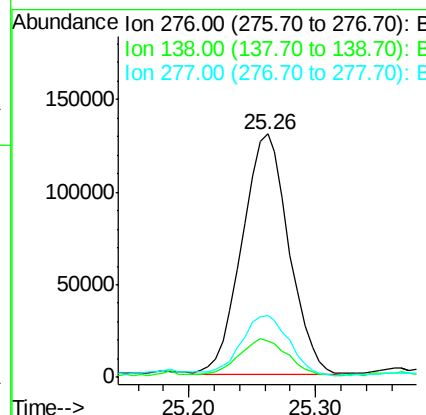
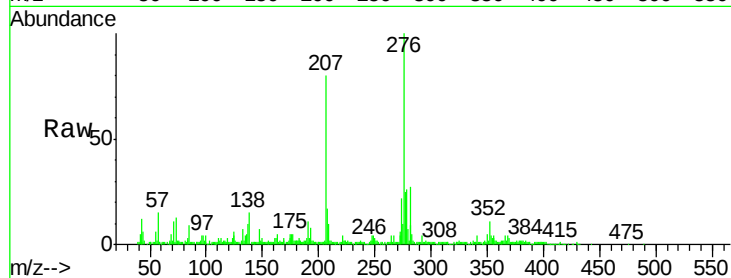
#92
Indeno(1,2,3-cd)pyrene
Concen: 3.172 ng/ul
RT: 25.26 min Scan# 3804
Delta R.T. 0.01 min
Lab File: BM024542.D
Acq: 18 Jan 2020 18:58

Instrument :
BNA_M
ClientSampleId :
GAS2MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.0	12.5	18.7
277	25.4	19.0	28.6

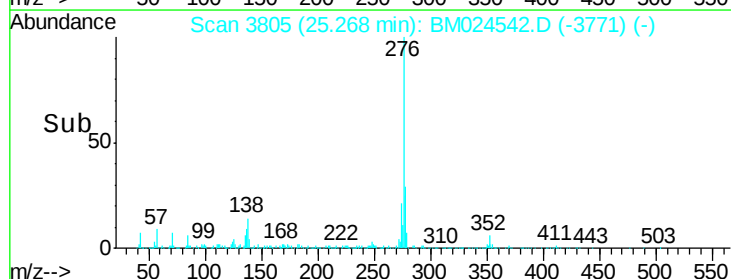
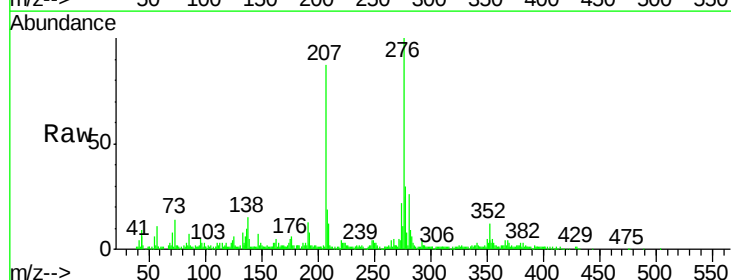
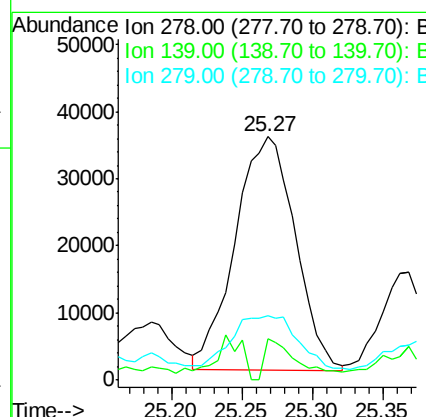
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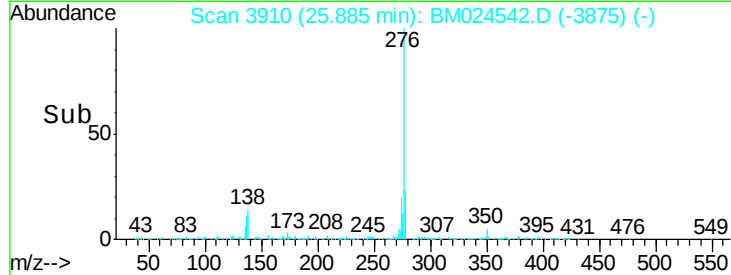
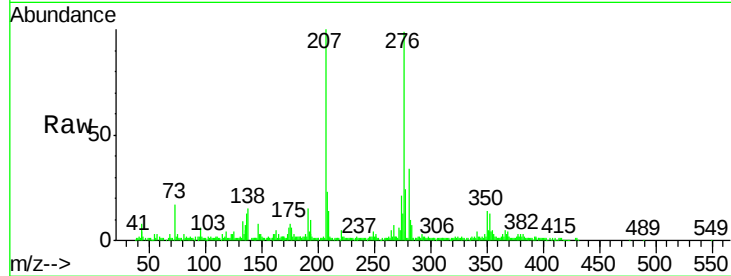
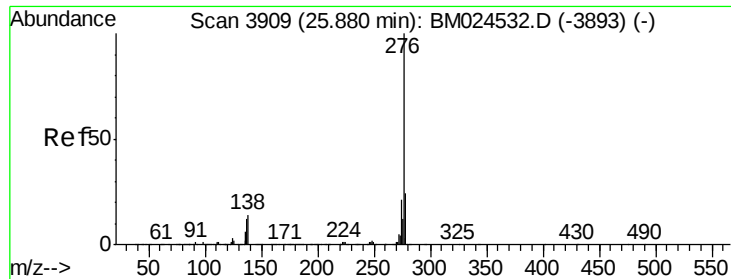
mohammad
1/21/2020 8:00:07 AM



#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

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.9	8.7	13.1#
279	26.5	18.6	27.8





#94
Benzo(a,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

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	14.8	12.2	18.2
277	24.1	18.8	28.2

Instrument :
BNA_M
ClientSampleId :
GASG2MSD

Manual Integrations
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