

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011720\
 Data File : BM024540.D
 Acq On : 18 Jan 2020 17:47
 Operator : JU
 Sample : L1109-01
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GASG2

Manual Integrations
 APPROVED

mohammad
 1/21/2020 8:00:02 AM

Quant Time: Jan 20 05:45:15 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	253264	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	1123485	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.10	164	773654	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.86	188	1644446	20.00	ng/ul	0.00
78) Chrysene-d12	21.07	240	1763584	20.00	ng/ul	0.00
86) Perylene-d12	23.19	264	1807820	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	16183	3.12	ng/uL	0.00
5) Phenol-d5	6.65	99	360012	19.18	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.80	67	231250	22.18	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	343912	21.45	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	316569	18.29	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	194092	24.59	ng/ul	0.00
22) 2-Nitrophenol-d4	9.31	143	227312	26.59	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	393748	20.46	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	367176	17.16	ng/ul	0.00
44) Dimethylphthalate-d6	13.53	166	1492709	24.62	ng/ul	0.00
47) Acenaphthylene-d8	13.79	160	1496630	21.45	ng/ul	0.00
52) 4-Nitrophenol-d4	14.32	143	236883	23.41	ng/ul	0.00
58) Fluorene-d10	15.11	176	1190210	22.31	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.23	200	189219	20.16	ng/ul	0.00
71) Anthracene-d10	16.96	188	1751700	22.91	ng/ul	0.00
79) Pyrene-d10	19.26	212	1918346	20.35	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.06	264	1894474	20.20	ng/ul	0.01

Target Compounds

					Ovalue	
6) Phenol	6.68	94	24667	1.293	ng/ul	96
45) Dimethylphthalate	13.57	163	382927	6.214	ng/ul	100
48) Acenaphthylene	13.82	152	226284	3.175	ng/ul	99
54) Dibenzofuran	14.51	168	138247	1.956	ng/ul	97
59) Fluorene	15.16	166	160515	2.687	ng/ul	96
70) Phenanthrene	16.90	178	1534558	17.304	ng/ul	100
72) Anthracene	16.99	178	442517	4.893	ng/ul	99
77) Fluoranthene	18.93	202	1633653	15.072	ng/ul	100
80) Pyrene	19.29	202	1536088	12.723	ng/ul	100
83) Benzo(a)anthracene	21.05	228	930795m	7.748	ng/ul	
85) Chrysene	21.10	228	824583	7.123	ng/ul	98
88) Benzo(b)fluoranthene	22.57	252	733028	6.135	ng/ul#	98
89) Benzo(k)fluoranthene	22.60	252	298584m	2.543	ng/ul	
91) Benzo(a)pyrene	23.10	252	560790	5.401	ng/ul#	98
92) Indeno(1,2,3-cd)pyrene	25.27	276	297725	2.740	ng/ul	97
93) Dibenzo(a,h)anthracene	25.27	278	99381	1.078	ng/ul#	81
94) Benzo(g,h,i)perylene	25.90	276	197624	2.289	ng/ul#	90

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

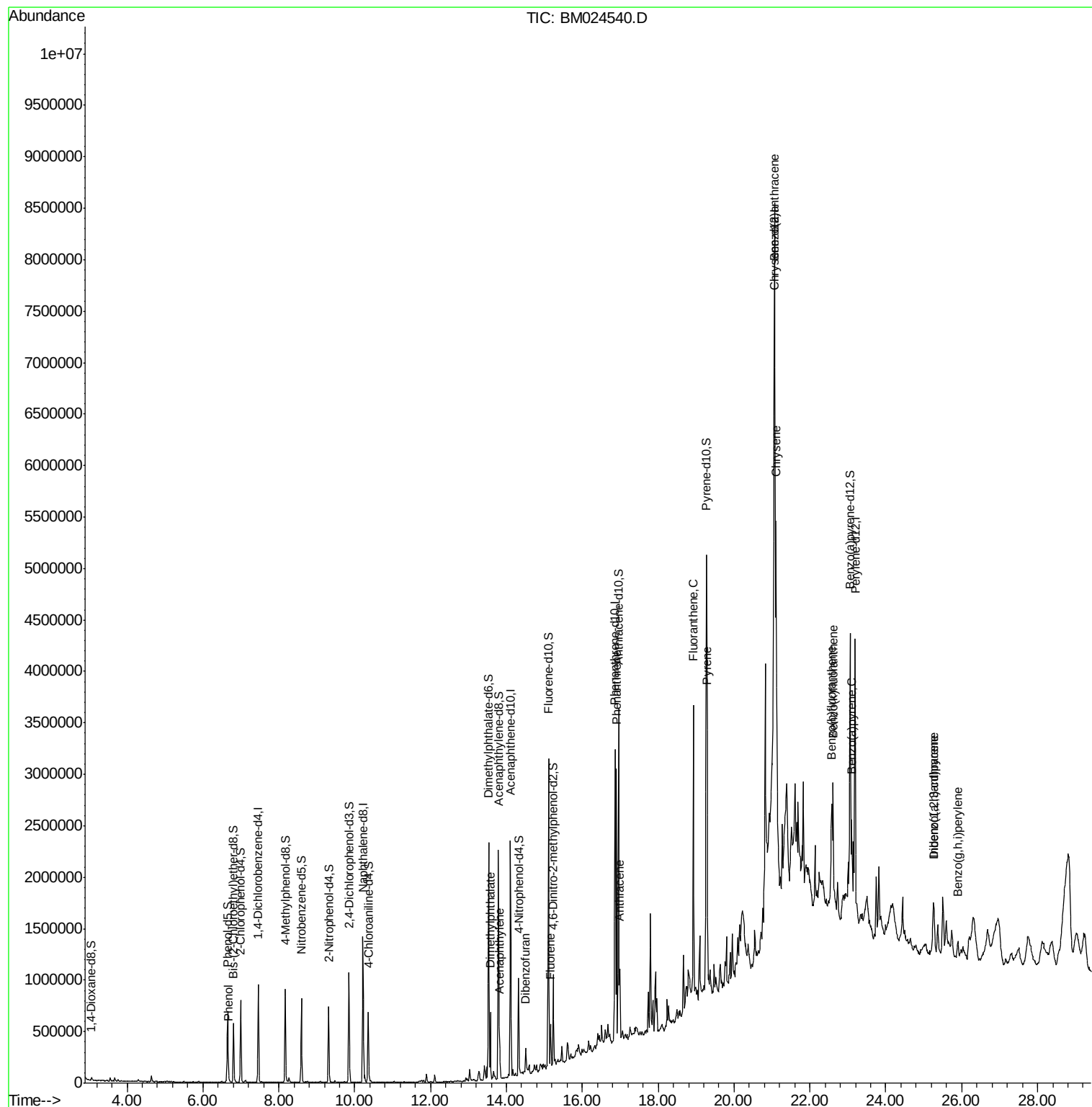
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011720\
Data File : BM024540.D
Acq On : 18 Jan 2020 17:47
Operator : JU
Sample : L1109-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

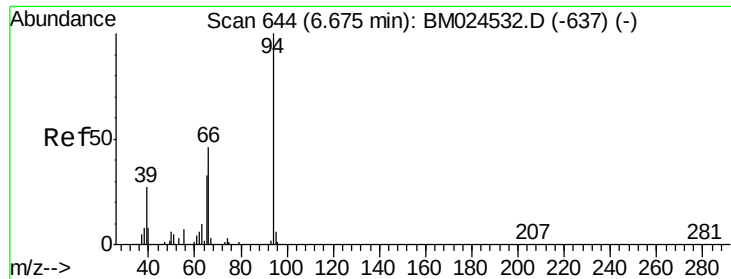
Instrument :
BNA_M
ClientSampleId :
GASG2

Quant Time: Jan 20 05:45:15 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

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#6

Phenol

Concen: 1.293 ng/ul

RT: 6.68 min Scan# 644

Delta R.T. 0.00 min

Lab File: BM024540.D

Acq: 18 Jan 2020 17:47

Instrument :

BNA_M

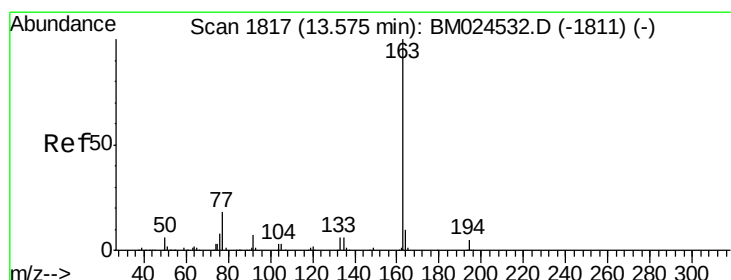
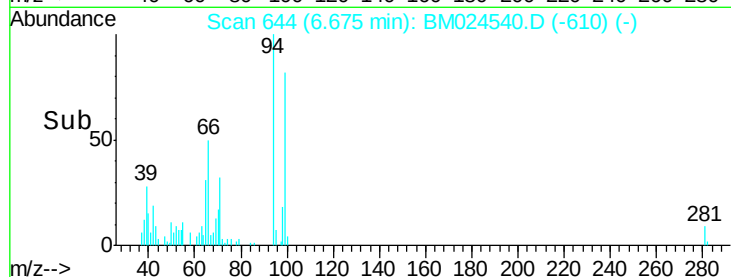
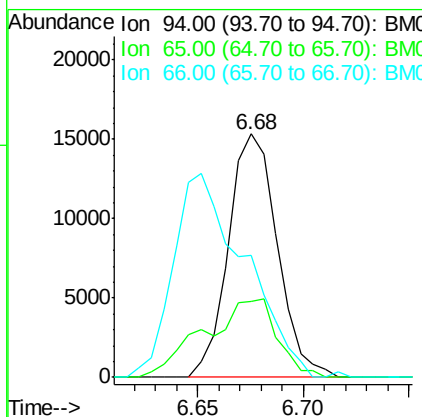
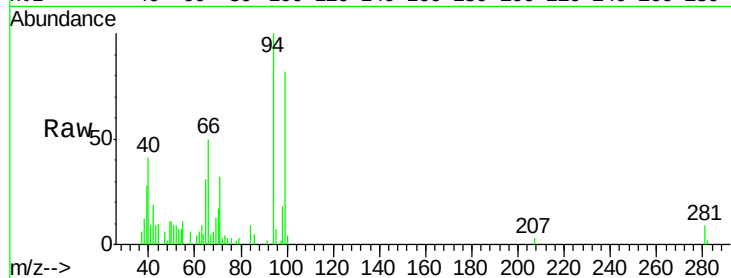
ClientSampleId :

GASG2

Tot Ion:	94	Resp:	24667
Ion	Ratio	Lower	Upper
94	100		
65	31.1	26.7	40.1
66	50.1	38.1	57.1

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#45

Dimethylphthalate

Concen: 6.214 ng/ul

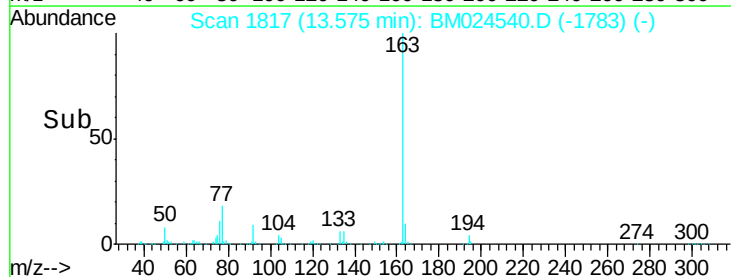
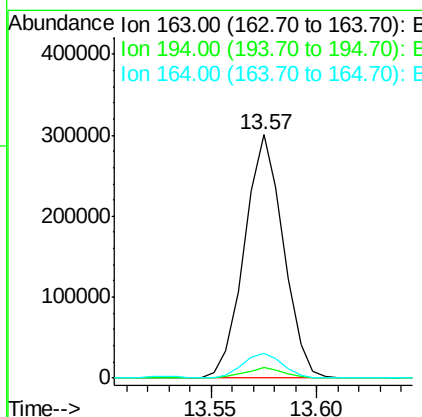
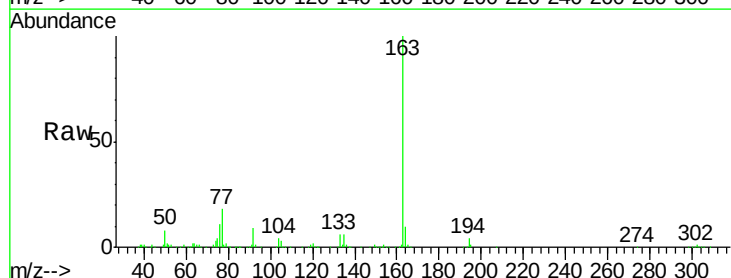
RT: 13.57 min Scan# 1817

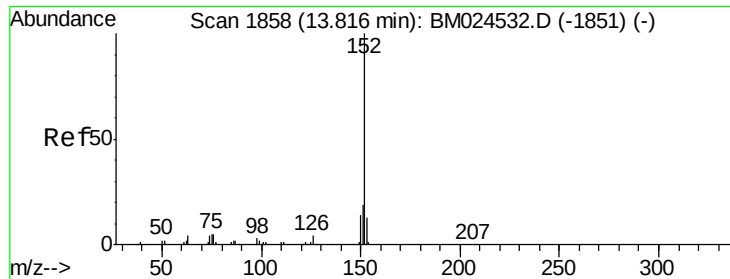
Delta R.T. 0.00 min

Lab File: BM024540.D

Acq: 18 Jan 2020 17:47

Tgt Ion:	163	Resp:	382927
Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.0	8.0	12.0





#48

Acenaphthylene

Concen: 3.175 ng/ul

RT: 13.82 min Scan# 1859

Delta R.T. 0.01 min

Lab File: BM024540.D

Acq: 18 Jan 2020 17:47

Instrument :

BNA_M

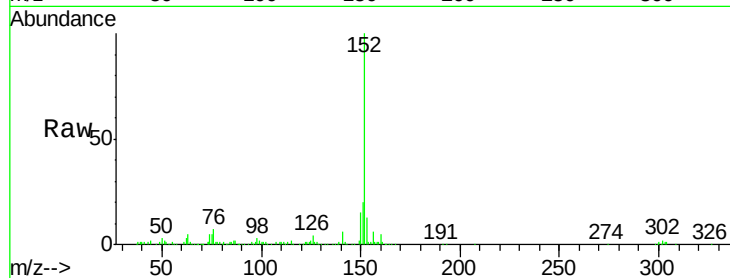
ClientSampleId :

GASG2

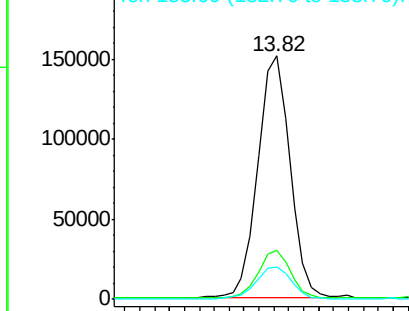
Tot Ion:	152	Resp:	226284
Ion Ratio	Lower	Upper	
152	100		
151	20.0	15.9	23.9
153	13.5	10.3	15.5

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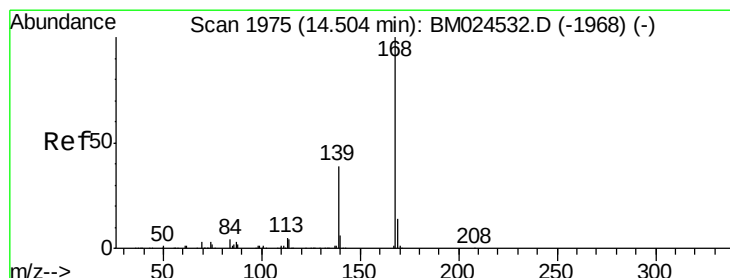
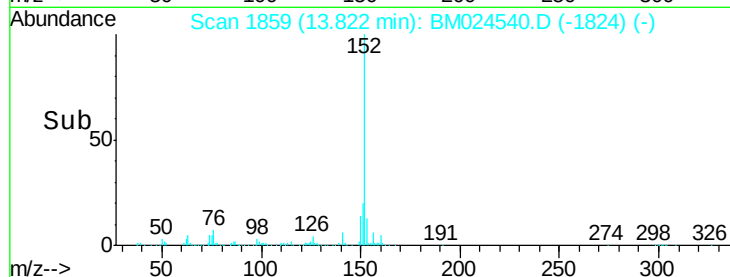
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



Time-->



#54

Dibenzofuran

Concen: 1.956 ng/ul

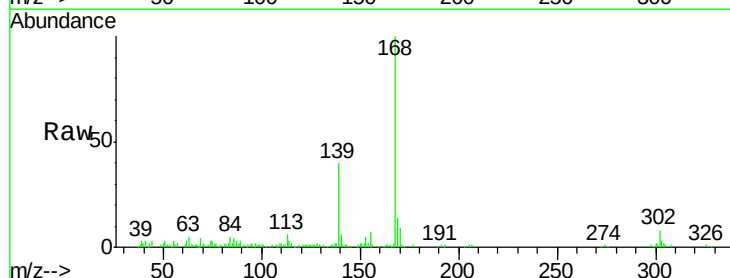
RT: 14.51 min Scan# 1976

Delta R.T. 0.01 min

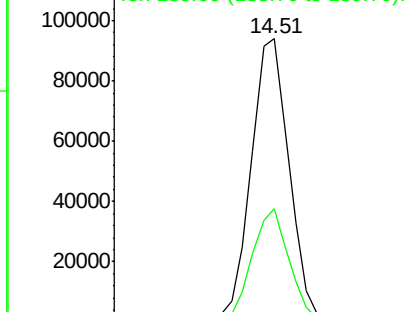
Lab File: BM024540.D

Acq: 18 Jan 2020 17:47

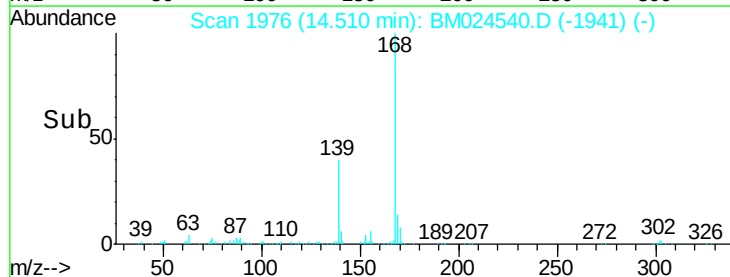
Tgt Ion:	168	Resp:	138247
Ion Ratio	Lower	Upper	
168	100		
139	39.9	30.7	46.1

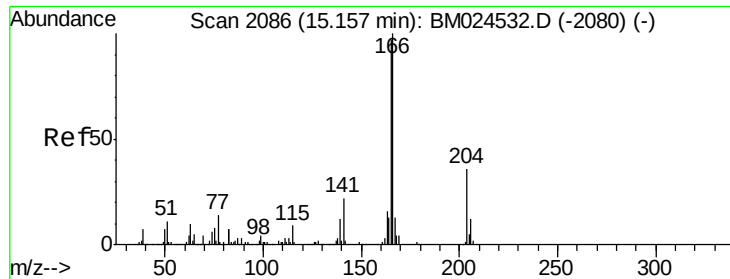


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E



Time-->





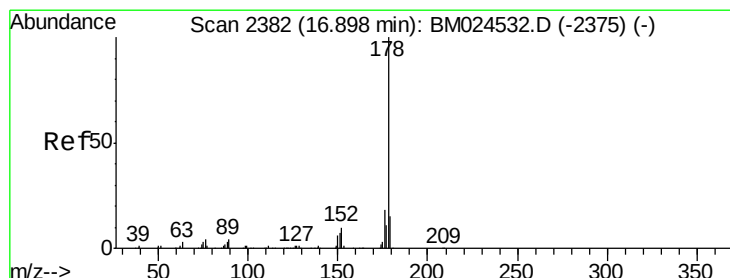
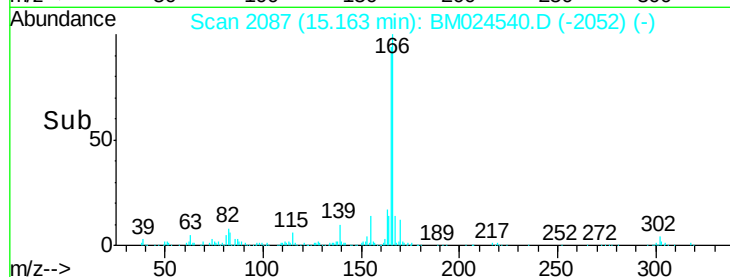
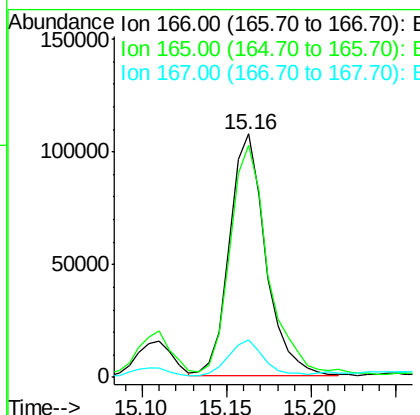
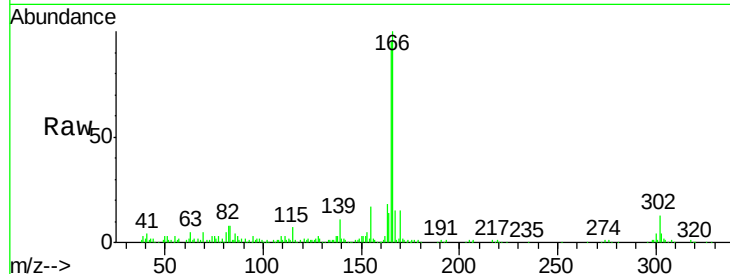
#59
Fluorene
Concen: 2.687 ng/ul
RT: 15.16 min Scan# 2087
Delta R.T. 0.01 min
Lab File: BM024540.D
Acq: 18 Jan 2020 17:47

Instrument :
BNA_M
ClientSampled :
GASG2

Tot Ion	Ratio	Resp	Lower	Upper
166	100	160515		
165	95.1		79.6	119.4
167	15.3		10.8	16.2

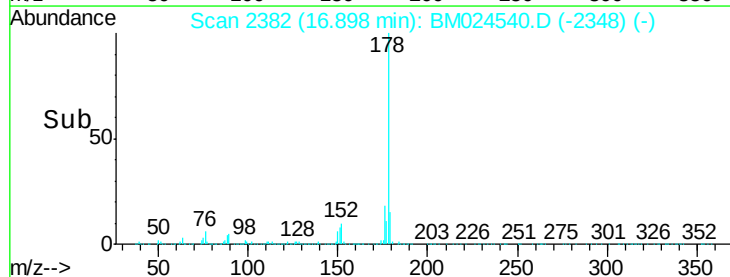
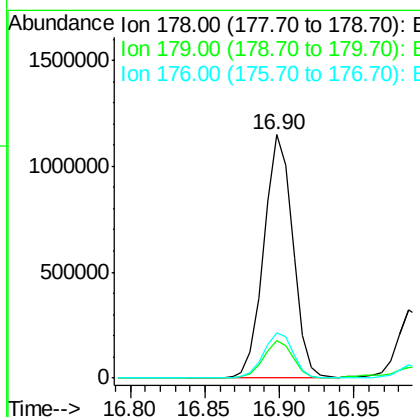
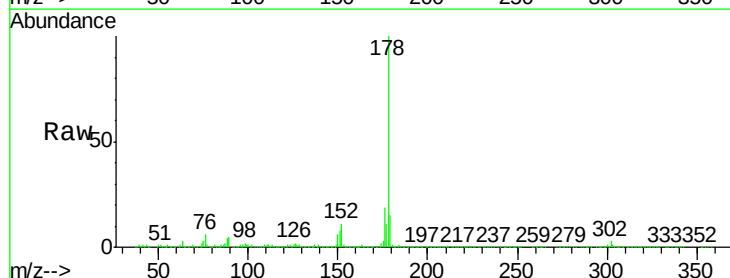
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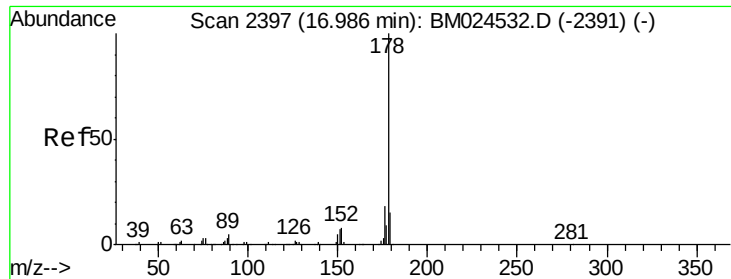
mohammad
1/21/2020 8:00:02 AM



#70
Phenanthrene
Concen: 17.304 ng/ul
RT: 16.90 min Scan# 2382
Delta R.T. 0.00 min
Lab File: BM024540.D
Acq: 18 Jan 2020 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1534558		
179	15.4		12.3	18.5
176	18.5		14.9	22.3





#72

Anthracene

Concen: 4.893 ng/ul

RT: 16.99 min Scan# 2397

Delta R.T. 0.00 min

Lab File: BM024540.D

Acq: 18 Jan 2020 17:47

Instrument :

BNA_M

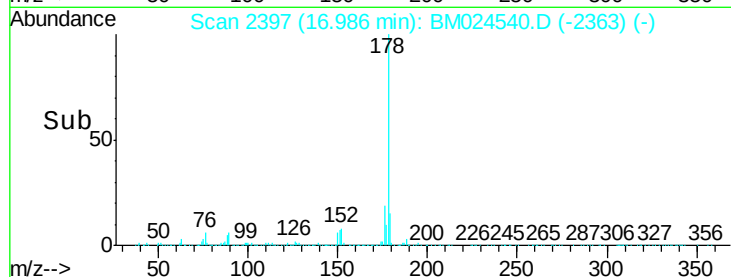
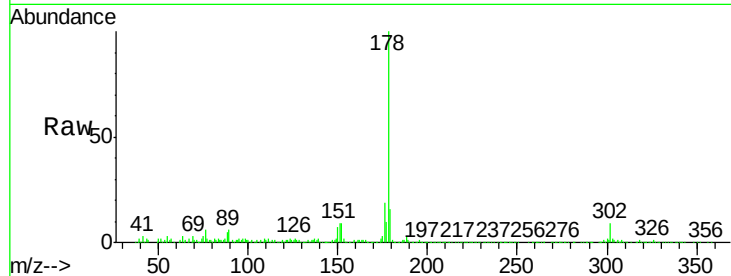
ClientSampled :

GASG2

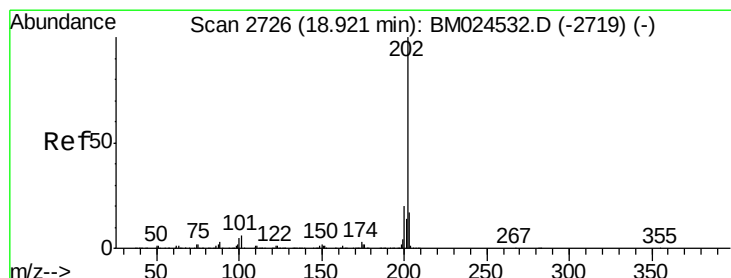
Tot Ion:	178	Resp:	442517
Ion Ratio	Lower	Upper	
178	100		
179	15.8	12.3	18.5
176	18.9	14.6	22.0

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Time--> 16.90 16.95 17.00 17.05



#77

Fluoranthene

Concen: 15.072 ng/ul

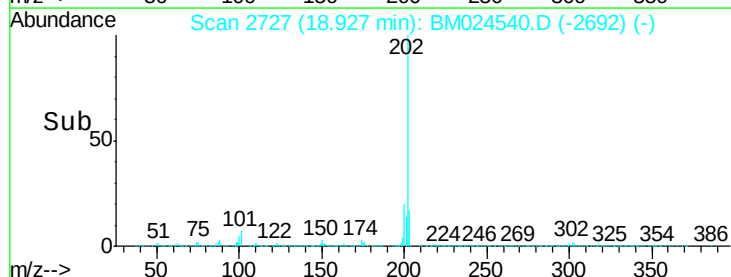
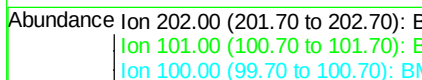
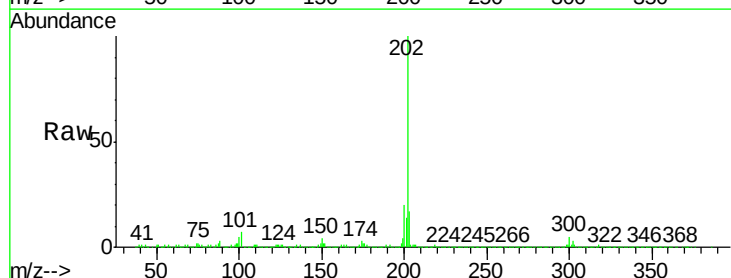
RT: 18.93 min Scan# 2727

Delta R.T. 0.01 min

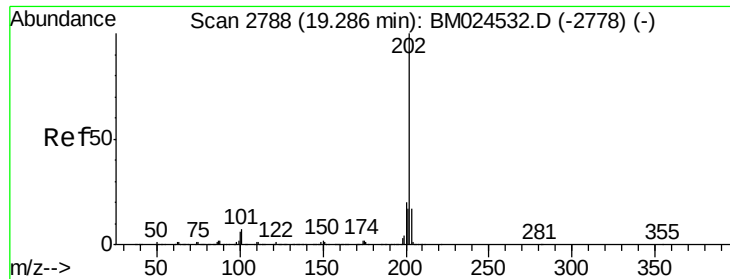
Lab File: BM024540.D

Acq: 18 Jan 2020 17:47

Tgt Ion:	202	Resp:	1633653
Ion Ratio	Lower	Upper	
202	100		
101	6.9	5.4	8.2
100	5.4	4.3	6.5



Time--> 18.85 18.90 18.95 19.00



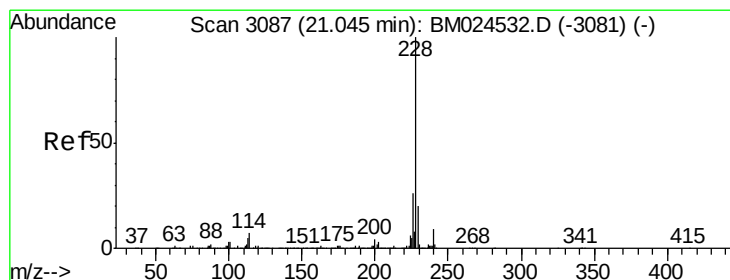
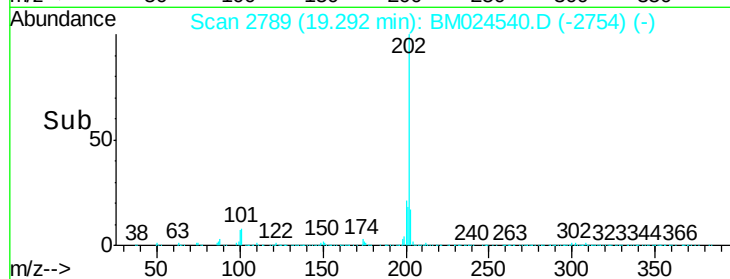
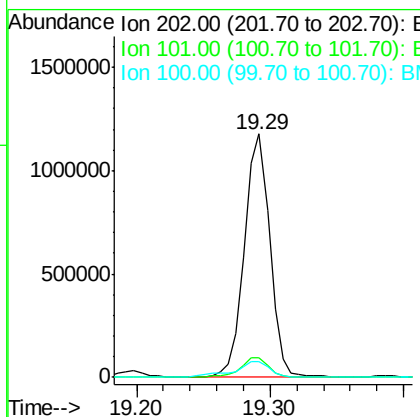
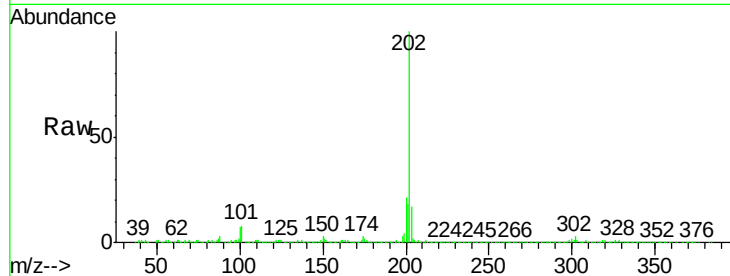
#80
 Pvrene
 Concen: 12.723 ng/ul
 RT: 19.29 min Scan# 2789
 Delta R.T. 0.01 min
 Lab File: BM024540.D
 Acq: 18 Jan 2020 17:47

Instrument :
 BNA_M
 ClientSampleId :
 GASG2

Tot Ion:	202	Resp:	1536088
Ion	Ratio	Lower	Upper
202	100		
101	8.0	6.5	9.7
100	6.6	5.0	7.6

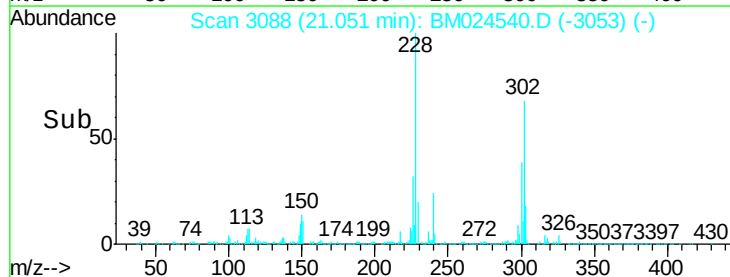
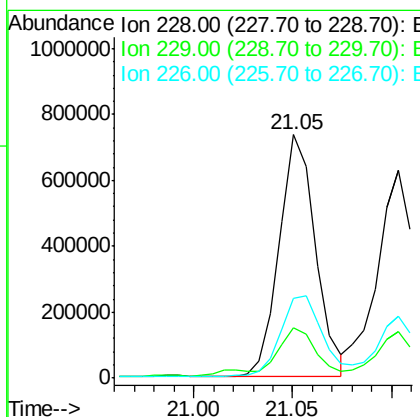
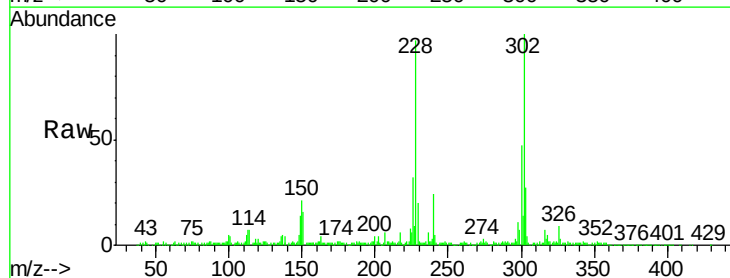
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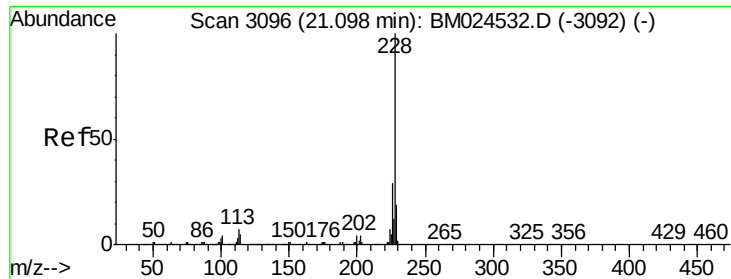
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#83
 Benzo(a)anthracene
 Concen: 7.748 ng/ul m
 RT: 21.05 min Scan# 3088
 Delta R.T. 0.01 min
 Lab File: BM024540.D
 Acq: 18 Jan 2020 17:47

Tgt Ion:	228	Resp:	930795
Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.9	23.9
226	32.6	21.1	31.7#





#85

Chrysene

Concen: 7.123 ng/ul

RT: 21.10 min Scan# 3097

Delta R.T. 0.01 min

Lab File: BM024540.D

Acq: 18 Jan 2020 17:47

Instrument :

BNA_M

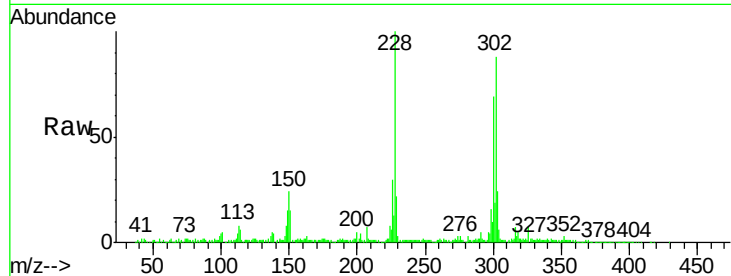
ClientSampleId :

GASG2

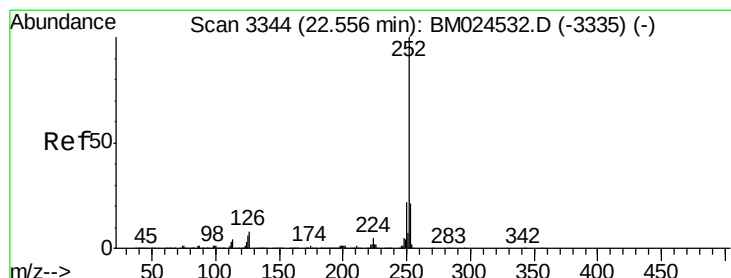
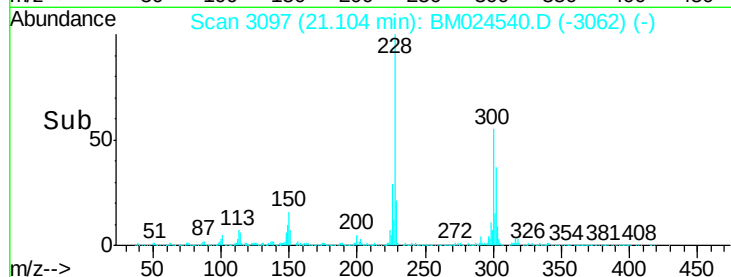
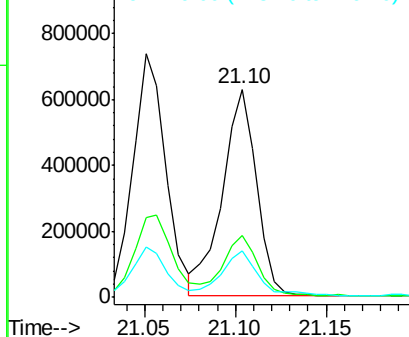
Tot Ion:	228	Resp:	824583
Ion Ratio	Lower	Upper	
228	100		
226	29.7	23.4	35.2
229	22.2	16.1	24.1

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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: 6.135 ng/ul

RT: 22.57 min Scan# 3346

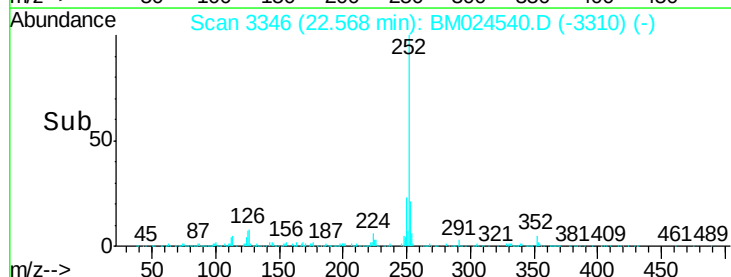
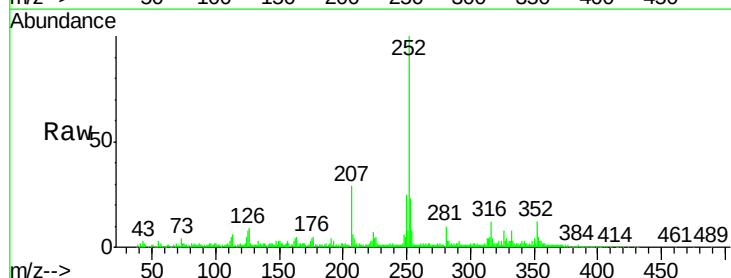
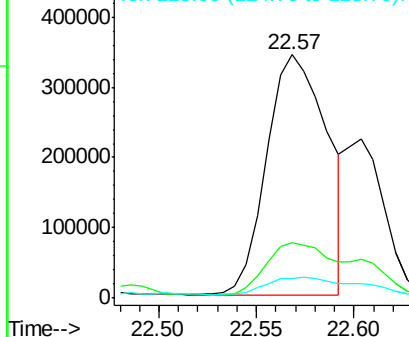
Delta R.T. 0.01 min

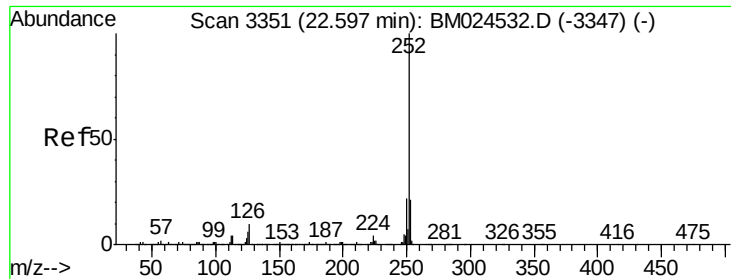
Lab File: BM024540.D

Acq: 18 Jan 2020 17:47

Tgt Ion:	252	Resp:	733028
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.8	26.6
125	8.2	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: 2.543 ng/ul m

RT: 22.60 min Scan# 3352

Delta R.T. 0.01 min

Lab File: BM024540.D

Acq: 18 Jan 2020 17:47

Instrument :

BNA_M

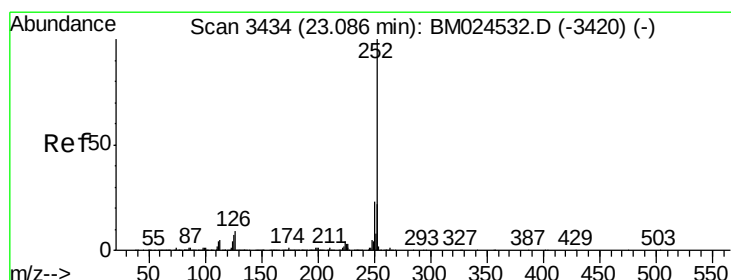
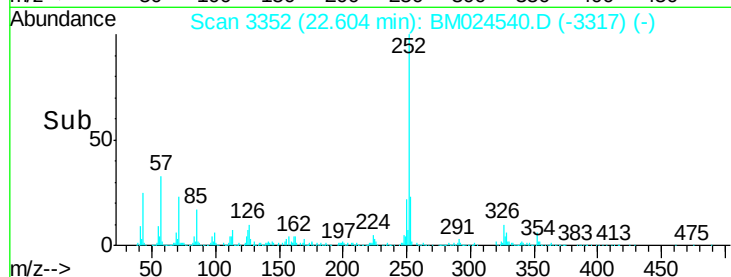
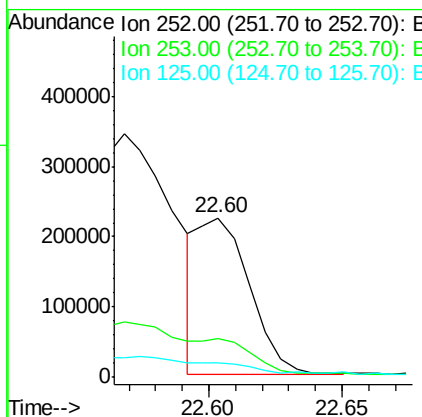
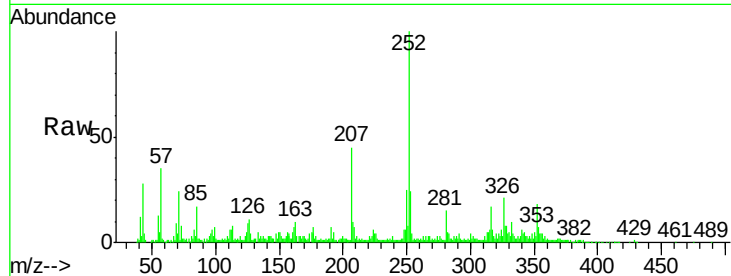
ClientSampled :

GASG2

Tot Ion:	252	Resp:	298584
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.1	25.7
125	9.2	5.2	7.8#

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#91

Benzo(a)pyrene

Concen: 5.401 ng/ul

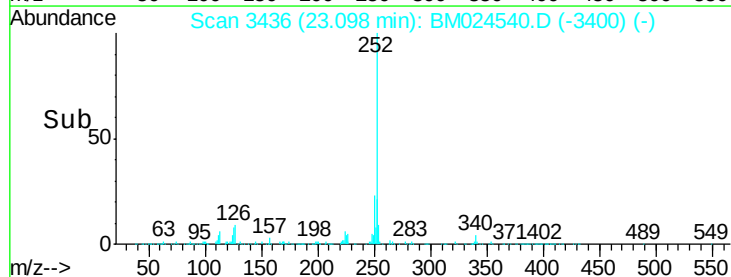
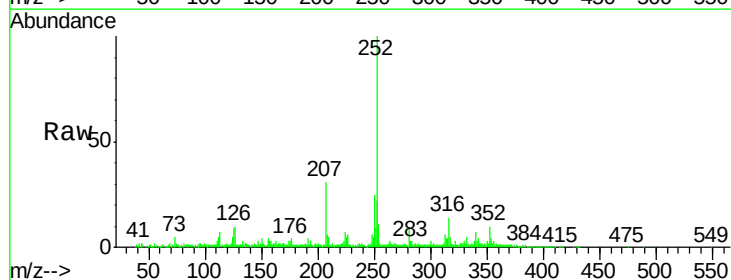
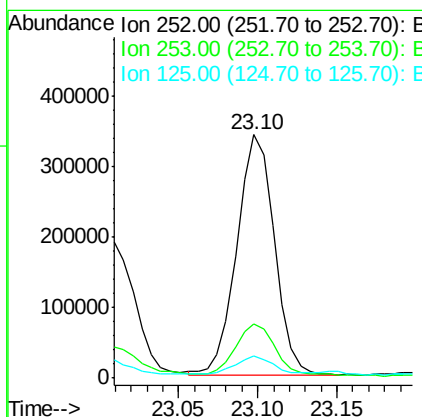
RT: 23.10 min Scan# 3436

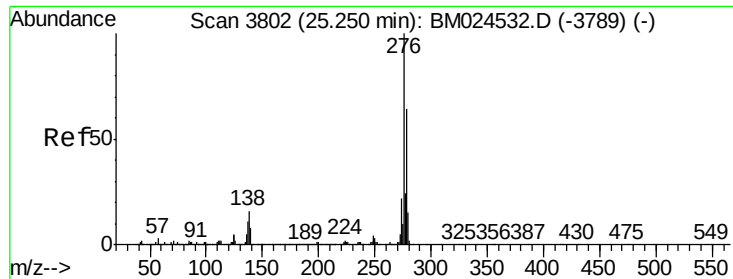
Delta R.T. 0.01 min

Lab File: BM024540.D

Acq: 18 Jan 2020 17:47

Tgt Ion:	252	Resp:	560790
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.5	26.3
125	9.0	5.7	8.5#





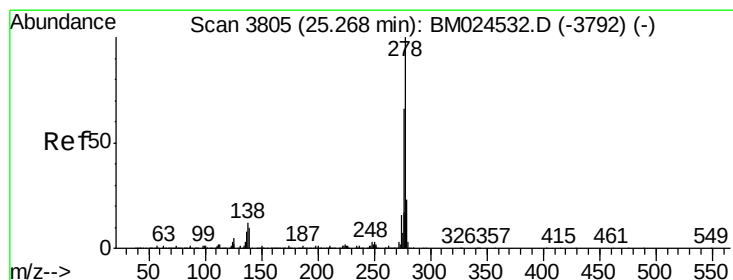
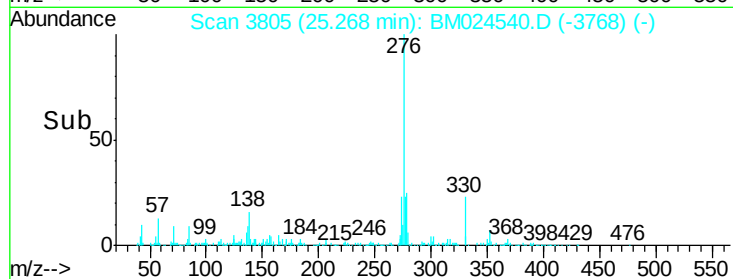
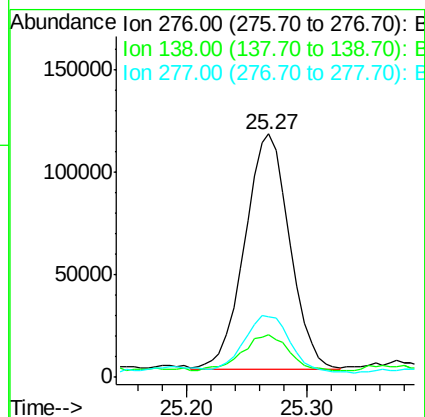
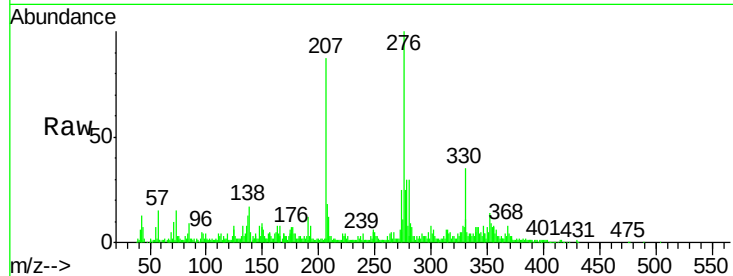
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 2.740 ng/ul
 RT: 25.27 min Scan# 3805
 Delta R.T. 0.02 min
 Lab File: BM024540.D
 Acq: 18 Jan 2020 17:47

Instrument :
 BNA_M
 ClientSampleId :
 GASG2

Tot Ion:	276	Resp:	297725
Ion Ratio	Lower	Upper	
276	100		
138	17.3	12.5	18.7
277	24.8	19.0	28.6

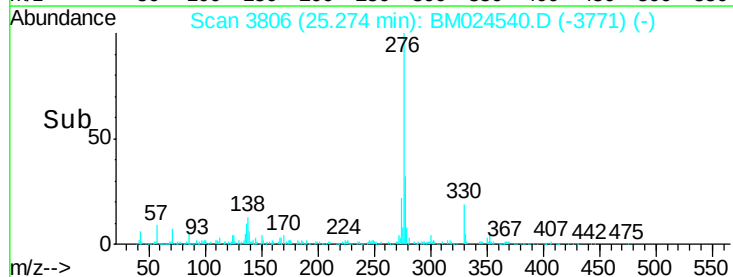
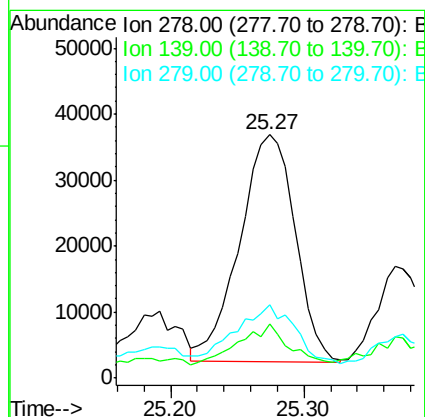
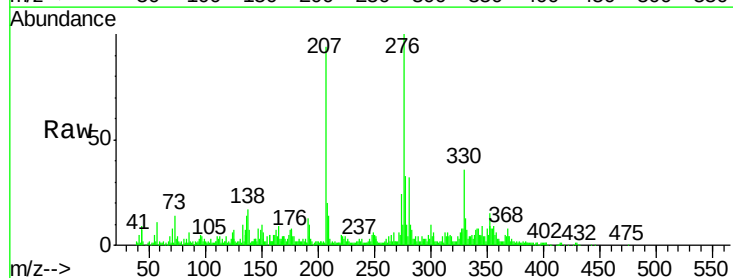
Manual Integrations
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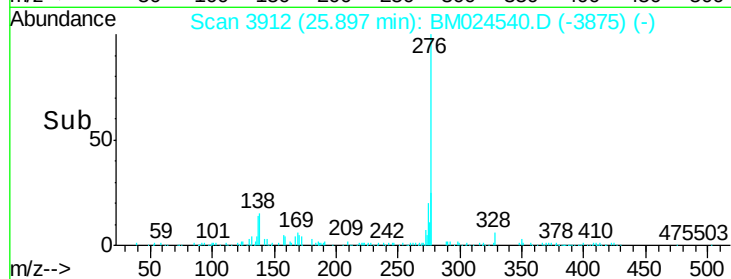
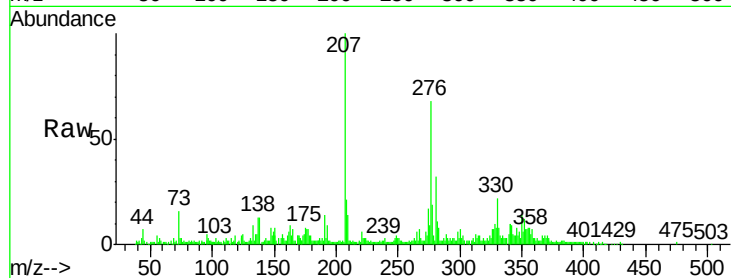
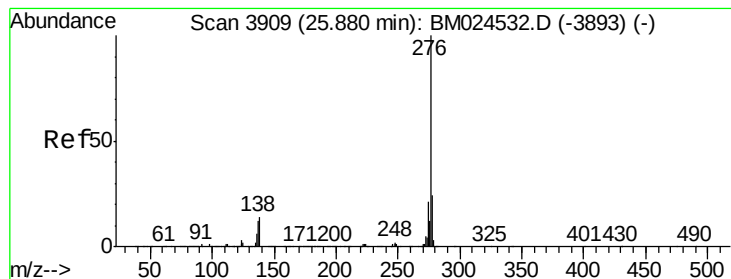
mohammad
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#93
 Dibenzo(a,h)anthracene
 Concen: 1.078 ng/ul
 RT: 25.27 min Scan# 3806
 Delta R.T. 0.01 min
 Lab File: BM024540.D
 Acq: 18 Jan 2020 17:47

Tgt Ion:	278	Resp:	99381
Ion Ratio	Lower	Upper	
278	100		
139	22.3	8.7	13.1#
279	30.2	18.6	27.8#





#94

Benzo(a,h,i)perylene

Concen: 2.289 ng/ul

RT: 25.90 min Scan# 3912

Delta R.T. 0.02 min

Lab File: BM024540.D

Acq: 18 Jan 2020 17:47

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.9	12.2	18.2#
277	28.5	18.8	28.2#

Instrument :

BNA_M

ClientSampleId :

GASG2

Manual Integrations
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