

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\
 Data File : BM024584.D
 Acq On : 22 Jan 2020 16:34
 Operator : JU
 Sample : L1118-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GASK2

Manual Integrations
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 1/23/2020 1:52:35 PM

Quant Time: Jan 22 17:13:49 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 22 15:40:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	243358	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	1034559	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.10	164	782382	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.87	188	1857762	20.00	ng/ul	0.02
78) Chrysene-d12	21.08	240	1559758	20.00	ng/ul	0.02
86) Perylene-d12	23.20	264	1489782m	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	8714	1.75	ng/uL	0.00
5) Phenol-d5	6.65	99	229074	12.70	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.80	67	137139	13.69	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	222394	14.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	213811	12.86	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	125764	17.30	ng/ul	0.00
22) 2-Nitrophenol-d4	9.30	143	134318	17.06	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	264452	14.92	ng/ul	0.00
29) 4-Chloroaniline-d4	10.35	131	253615	12.87	ng/ul	0.00
44) Dimethylphthalate-d6	13.53	166	840687	13.71	ng/ul	0.00
47) Acenaphthylene-d8	13.79	160	1133980	16.07	ng/ul	0.00
52) 4-Nitrophenol-d4	14.32	143	111216	10.87	ng/ul	0.00
58) Fluorene-d10	15.11	176	911708	16.90	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.23	200	82026	7.73	ng/ul	0.00
71) Anthracene-d10	16.97	188	1523314	17.63	ng/ul	0.02
79) Pyrene-d10	19.27	212	1668223	20.01	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.07	264	1287385m	16.66	ng/ul	0.03

Target Compounds

					Ovalue	
6) Phenol	6.67	94	20130	1.098	ng/ul#	86
28) Naphthalene	10.27	128	24602740m	464.195	ng/ul	
34) 2-Methylnaphthalene	11.90	142	11738455	285.425	ng/ul	99
41) 1,1'-Biphenyl	12.93	154	1003218	17.662	ng/ul	100
45) Dimethylphthalate	13.57	163	225278	3.615	ng/ul#	94
48) Acenaphthylene	13.83	152	9702041	134.619	ng/ul	98
50) Acenaphthene	14.17	153	439581	9.012	ng/ul	98
54) Dibenzofuran	14.51	168	1410237	19.735	ng/ul	100
59) Fluorene	15.17	166	2590040	42.869	ng/ul	98
70) Phenanthrene	16.92	178	12070558	120.478	ng/ul	97
72) Anthracene	17.00	178	4699778	46.001	ng/ul	98
75) Carbazole	17.26	167	394162	4.585	ng/ul#	66
77) Fluoranthene	18.94	202	5045459m	41.204	ng/ul	
80) Pyrene	19.31	202	7583302	71.020	ng/ul	98
83) Benzo(a)anthracene	21.06	228	2449753m	23.056	ng/ul	
85) Chrysene	21.10	228	6100480	59.584	ng/ul	96
88) Benzo(b)fluoranthene	22.58	252	3108363m	31.568	ng/ul	
89) Benzo(k)fluoranthene	22.60	252	887727m	9.173	ng/ul	
91) Benzo(a)pyrene	23.13	252	9098973	106.333	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.31	276	10575623m	118.117	ng/ul	
93) Dibenz(a,h)anthracene	25.30	278	2183749m	28.738	ng/ul	
94) Benzo(a,h,i)perylene	25.94	276	8263063m	116.123	ng/ul	

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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GASK2

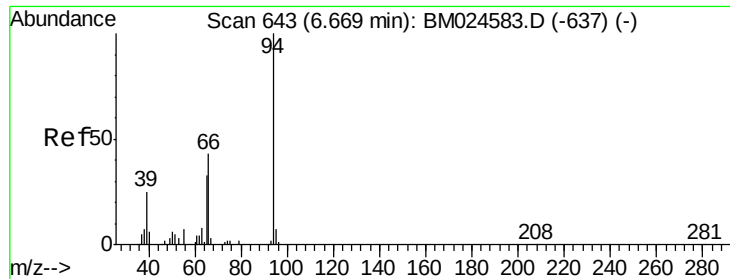
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Quant Time: Jan 22 17:13:49 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 22 15:40:34 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#6

Phenol

Concen: 1.098 ng/ul

RT: 6.67 min Scan# 643

Delta R.T. 0.00 min

Lab File: BM024584.D

Acq: 22 Jan 2020 16:34

Instrument :

BNA_M

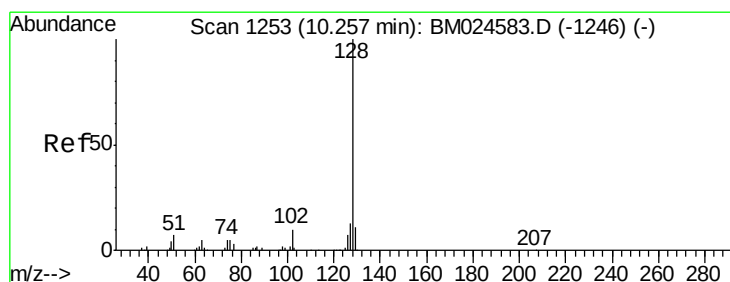
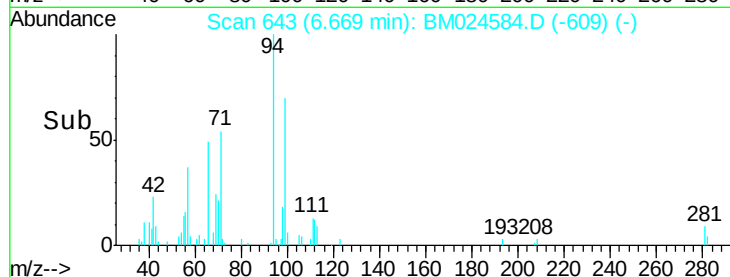
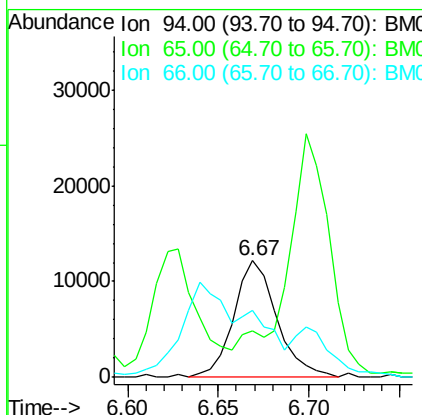
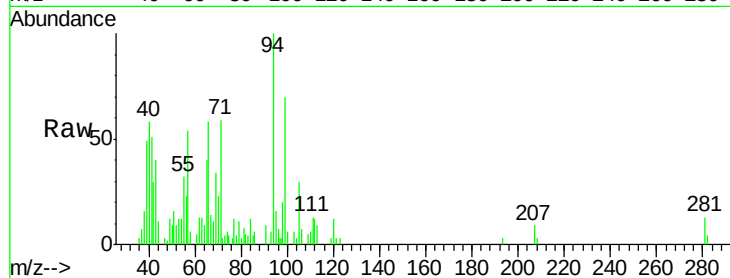
ClientSampled :

GASK2

Tot Ion:	94	Resp:	20130
Ion Ratio	Lower	Upper	
94	100		
65	40.3	26.7	40.1#
66	57.6	38.1	57.1#

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#28

Naphthalene

Concen: 464.195 ng/ul m

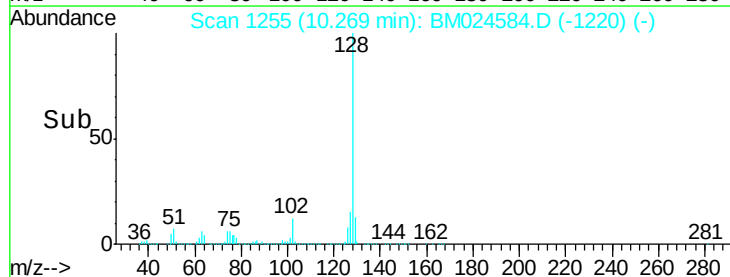
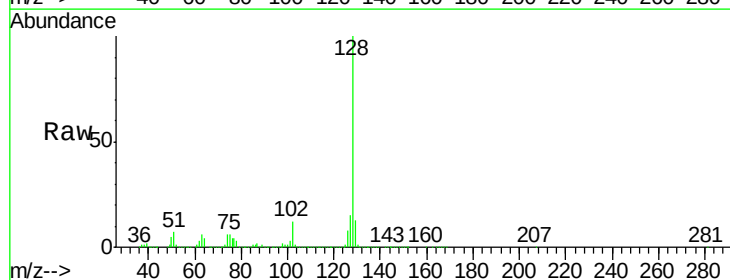
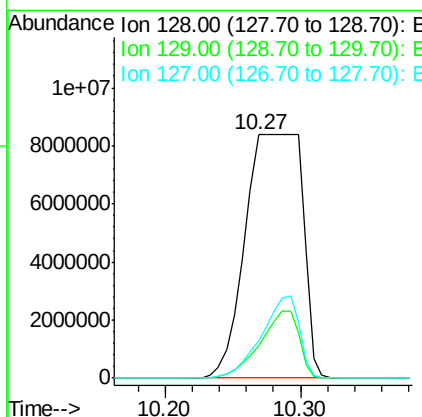
RT: 10.27 min Scan# 1255

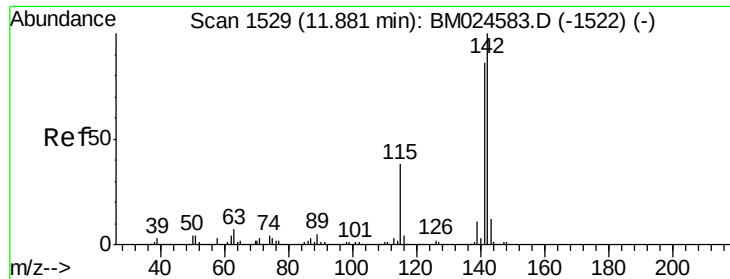
Delta R.T. 0.01 min

Lab File: BM024584.D

Acq: 22 Jan 2020 16:34

Tgt Ion:	128	Resp:	24602740
Ion Ratio	Lower	Upper	
128	100		
129	13.1	8.8	13.2
127	15.2	10.4	15.6





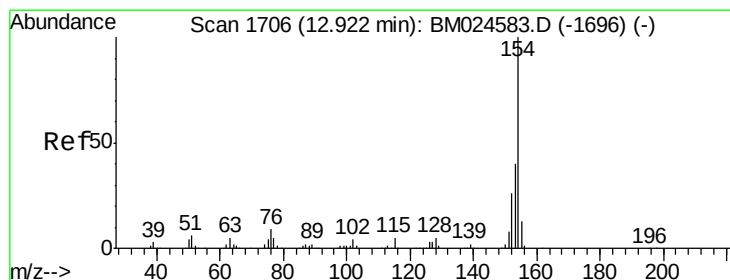
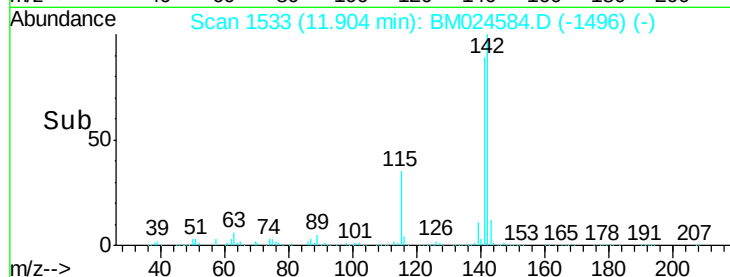
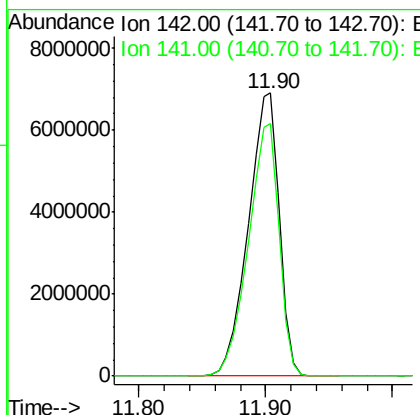
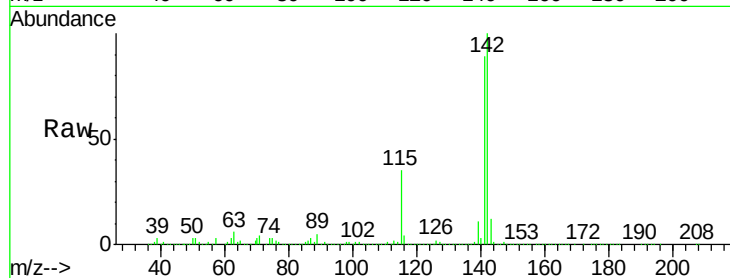
#34
 2-Methylnaphthalene
 Concen: 285.425 ng/ul
 RT: 11.90 min Scan# 1533
 Delta R.T. 0.02 min
 Lab File: BM024584.D
 Acq: 22 Jan 2020 16:34

Instrument :
 BNA_M
 ClientSampleId :
 GASK2

Tot Ion:142 Resp:11738455
 Ion Ratio Lower Upper
 142 100
 141 89.1 70.4 105.6

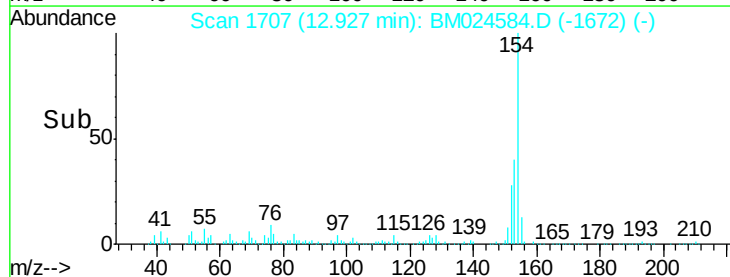
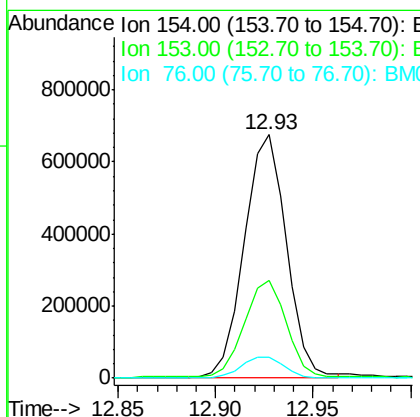
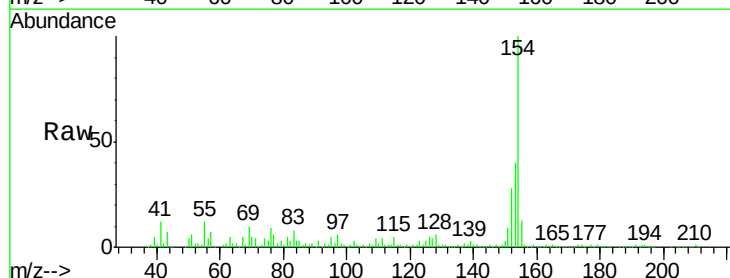
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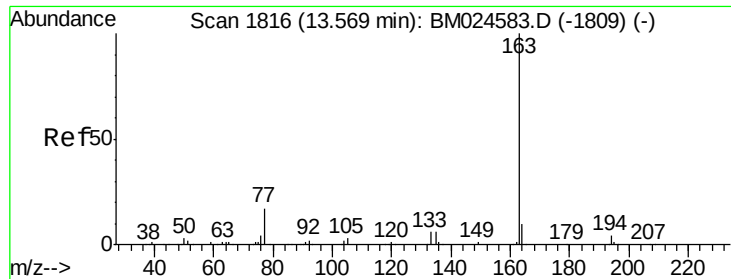
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#41
 1,1'-Biphenyl
 Concen: 17.662 ng/ul
 RT: 12.93 min Scan# 1707
 Delta R.T. 0.01 min
 Lab File: BM024584.D
 Acq: 22 Jan 2020 16:34

Tgt Ion:154 Resp: 1003218
 Ion Ratio Lower Upper
 154 100
 153 40.2 32.3 48.5
 76 8.7 7.0 10.6





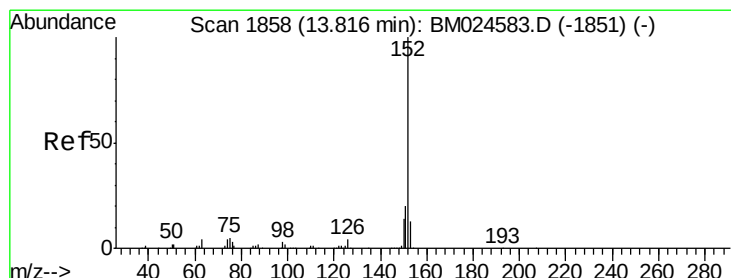
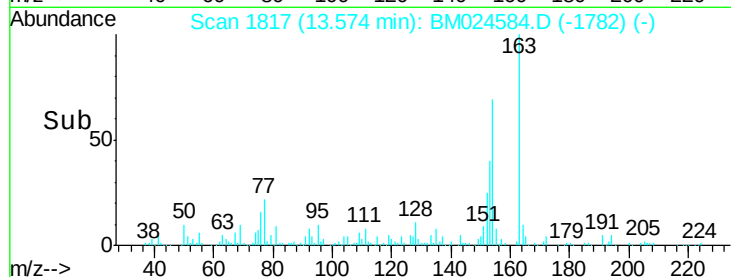
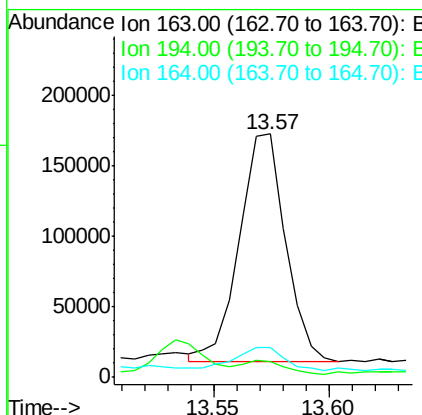
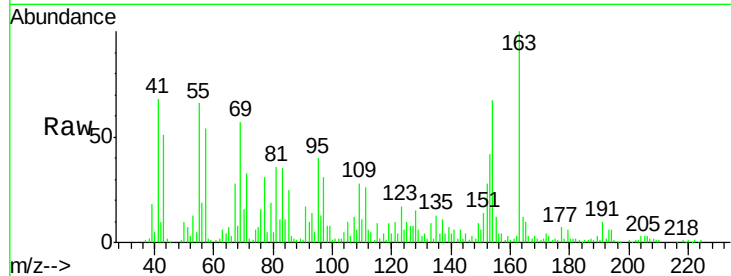
#45
Dimethylphthalate
Concen: 3.615 ng/ul
RT: 13.57 min Scan# 1817
Delta R.T. 0.01 min
Lab File: BM024584.D
Acq: 22 Jan 2020 16:34

Instrument :
BNA_M
ClientSampleId :
GASK2

Tot Ion	Ratio	Lower	Upper
163	100		
194	6.4	3.4	5.0#
164	12.2	8.0	12.0#

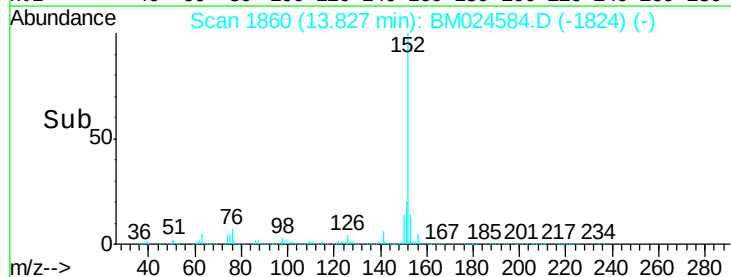
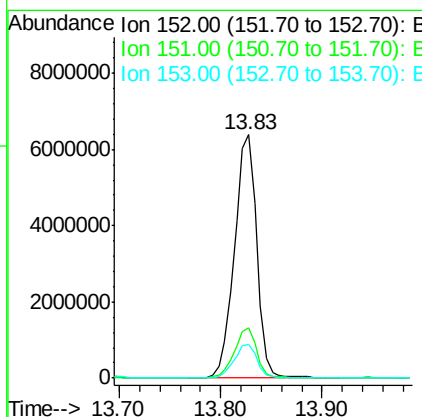
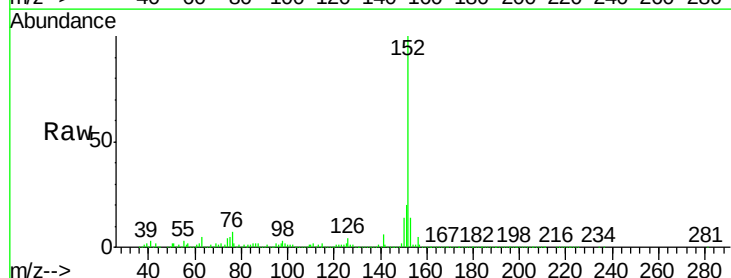
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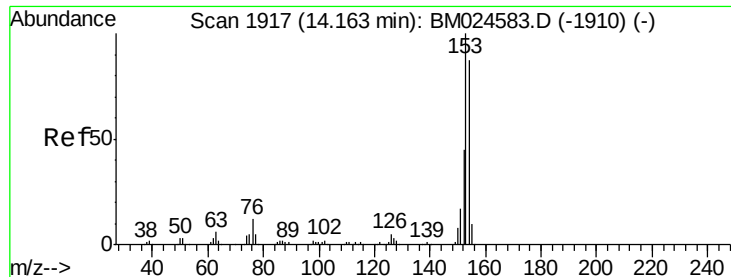
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#48
Acenaphthylene
Concen: 134.619 ng/ul
RT: 13.83 min Scan# 1860
Delta R.T. 0.01 min
Lab File: BM024584.D
Acq: 22 Jan 2020 16:34

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.9	23.9
153	14.0	10.3	15.5





#50

Acenaphthene

Concen: 9.012 ng/ul

RT: 14.17 min Scan# 1918

Delta R.T. 0.01 min

Lab File: BM024584.D

Acq: 22 Jan 2020 16:34

Instrument :

BNA_M

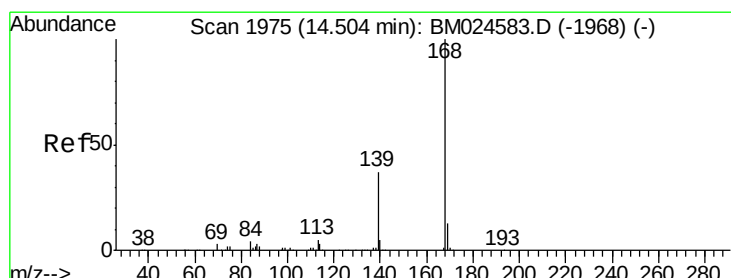
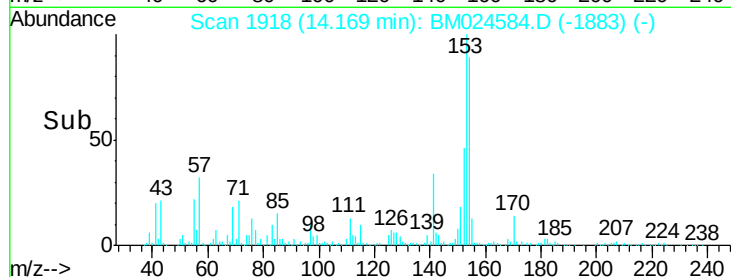
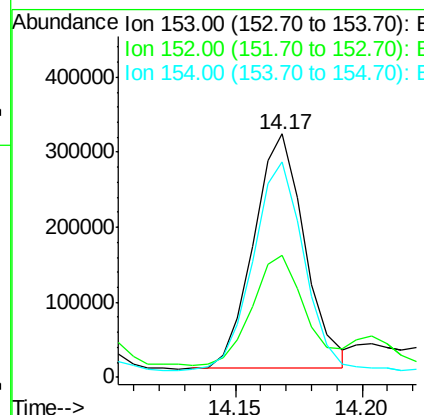
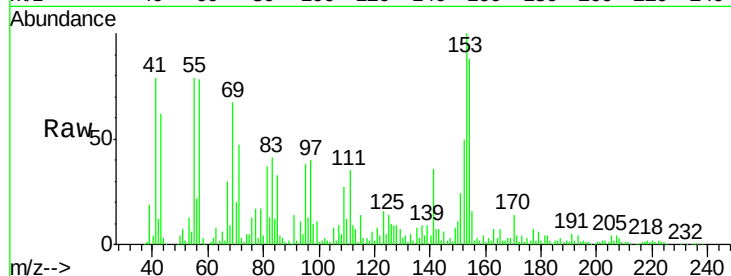
ClientSampleId :

GASK2

Tot Ion:	153	Resp:	439581
Ion Ratio	Lower	Upper	
153	100		
152	50.2	37.2	55.8
154	88.4	70.6	106.0

Manual Integrations
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#54

Dibenzofuran

Concen: 19.735 ng/ul

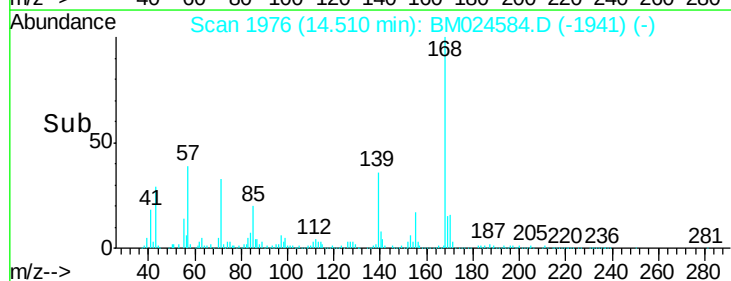
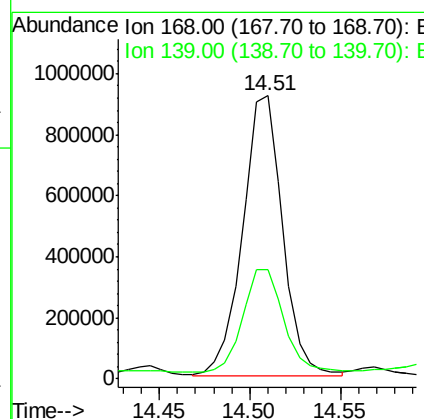
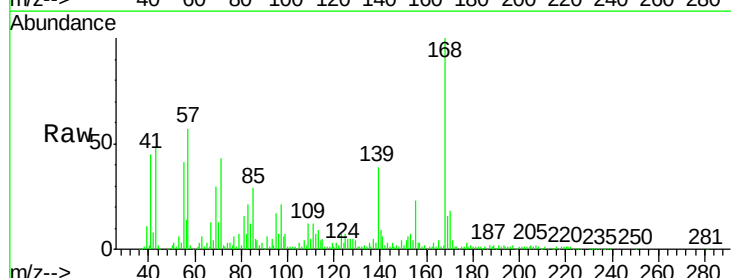
RT: 14.51 min Scan# 1976

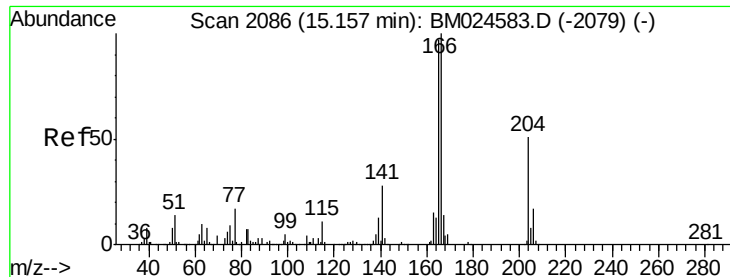
Delta R.T. 0.01 min

Lab File: BM024584.D

Acq: 22 Jan 2020 16:34

Tgt Ion:	168	Resp:	1410237
Ion Ratio	Lower	Upper	
168	100		
139	38.6	30.7	46.1





#59

Fluorene

Concen: 42.869 ng/ul

RT: 15.17 min Scan# 2088

Delta R.T. 0.01 min

Lab File: BM024584.D

Acq: 22 Jan 2020 16:34

Instrument :

BNA_M

ClientSampleId :

GASK2

Tot Ion:166 Resp: 2590040

Ion Ratio Lower Upper

166 100

165 98.4 79.6 119.4

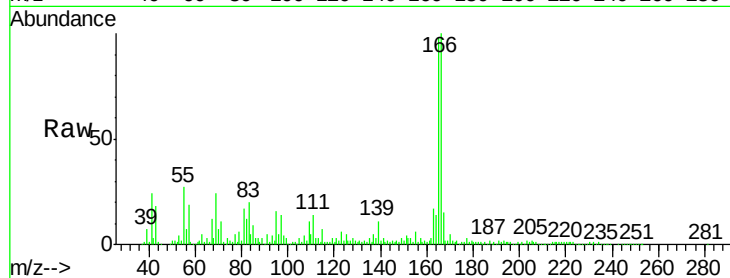
167 15.2 10.8 16.2

Manual Integrations

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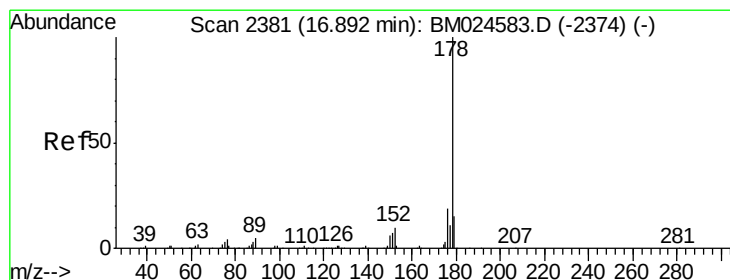
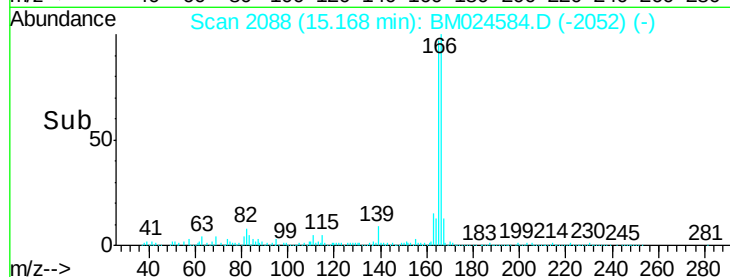
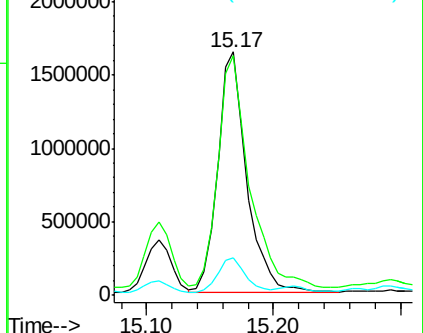
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 120.478 ng/ul

RT: 16.92 min Scan# 2385

Delta R.T. 0.02 min

Lab File: BM024584.D

Acq: 22 Jan 2020 16:34

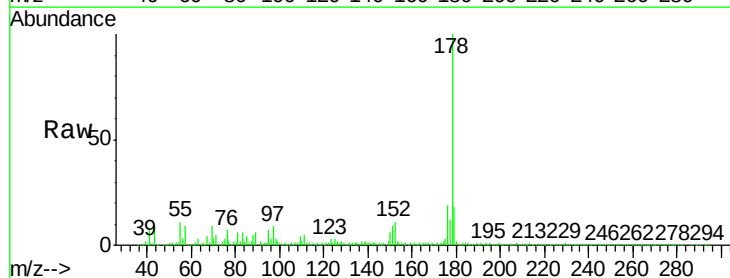
Tgt Ion:178 Resp:12070558

Ion Ratio Lower Upper

178 100

179 17.7 12.3 18.5

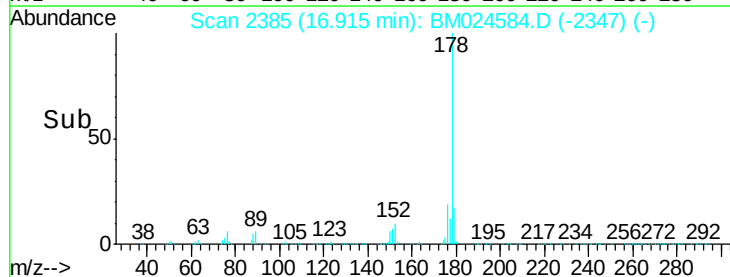
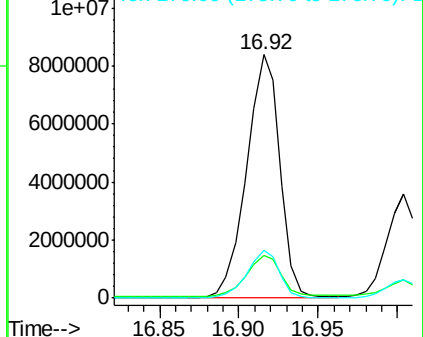
176 19.4 14.9 22.3

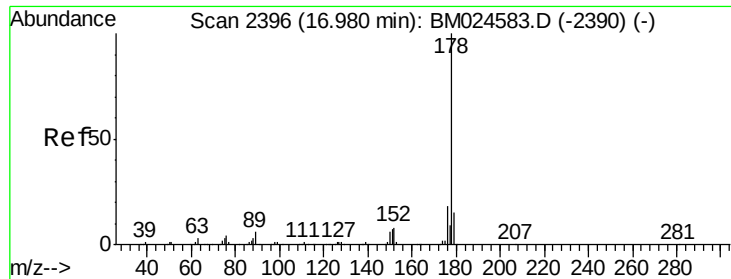


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 46.001 ng/ul

RT: 17.00 min Scan# 2400

Delta R.T. 0.02 min

Lab File: BM024584.D

Acq: 22 Jan 2020 16:34

Instrument :

BNA_M

ClientSampled :

GASK2

Tot Ion:178 Resp: 4699778

Ion Ratio Lower Upper

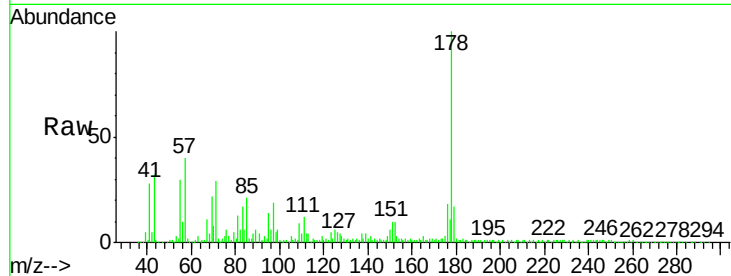
178 100

179 17.2 12.3 18.5

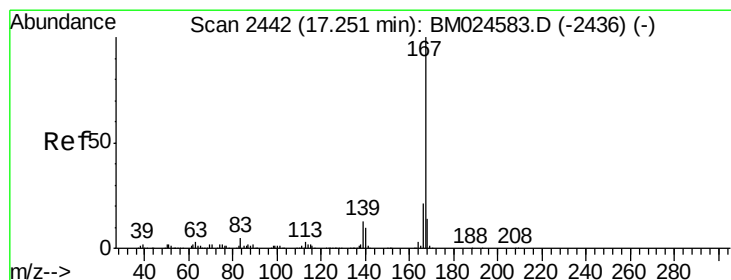
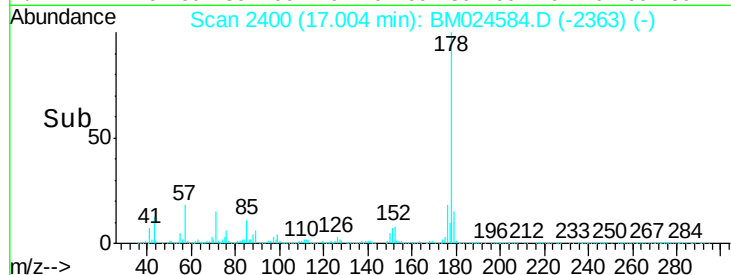
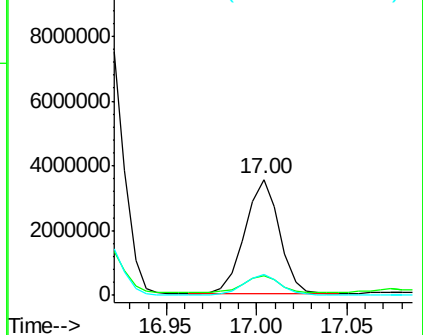
176 18.2 14.6 22.0

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 4.585 ng/ul

RT: 17.26 min Scan# 2444

Delta R.T. 0.01 min

Lab File: BM024584.D

Acq: 22 Jan 2020 16:34

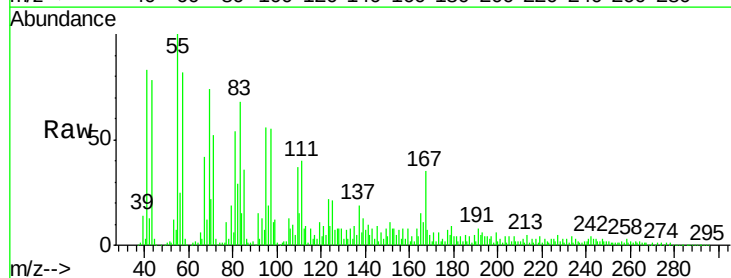
Tgt Ion:167 Resp: 394162

Ion Ratio Lower Upper

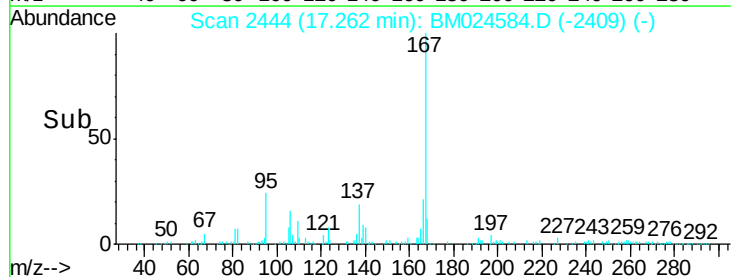
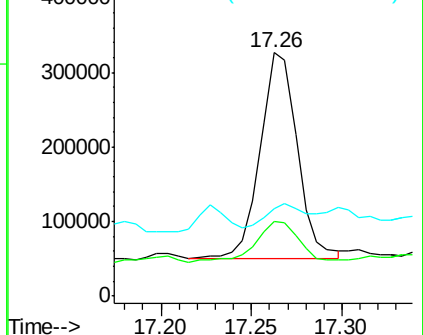
167 100

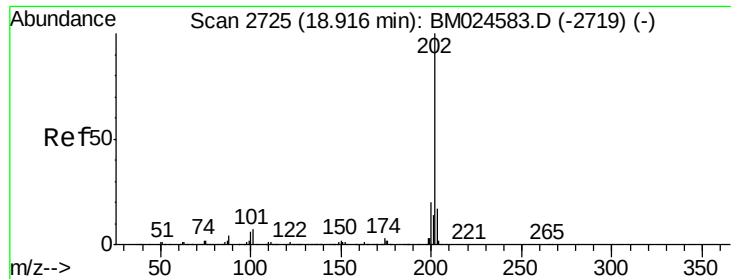
166 30.5 17.1 25.7#

139 36.1 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





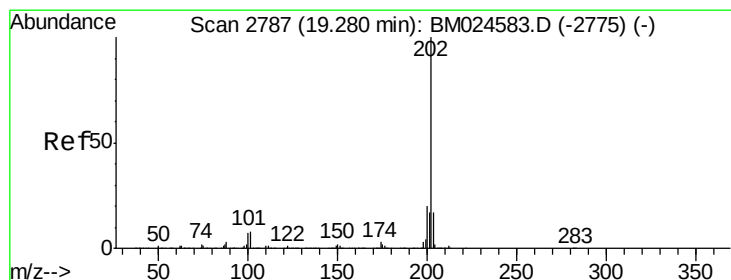
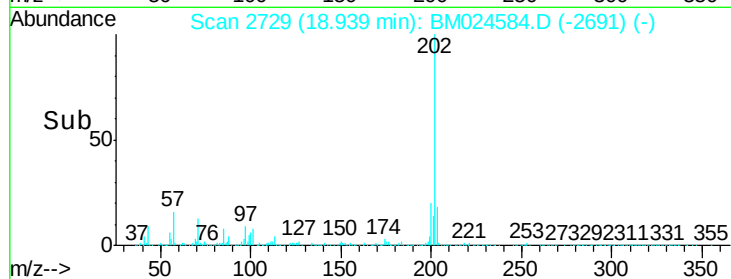
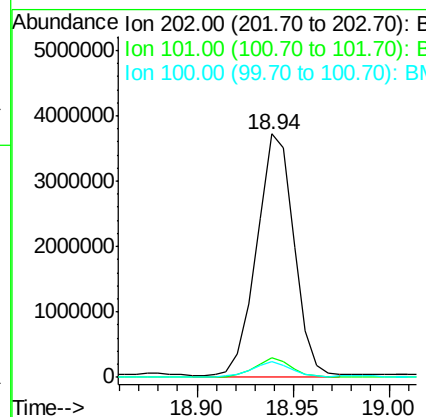
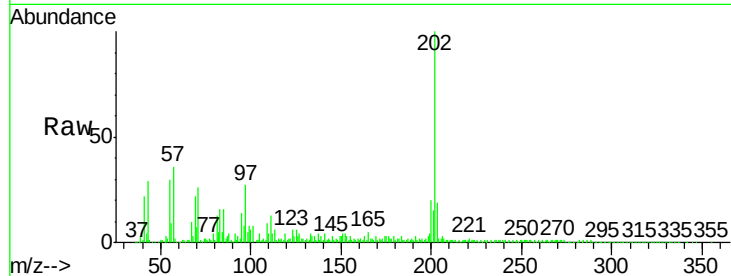
#77
 Fluoranthene
 Concen: 41.204 ng/ul m
 RT: 18.94 min Scan# 2729
 Delta R.T. 0.02 min
 Lab File: BM024584.D
 Acq: 22 Jan 2020 16:34

Instrument :
 BNA_M
 ClientSampleId :
 GASK2

Tot Ion	Ratio	Lower	Upper
202	100		
101	7.8	5.4	8.2
100	6.5	4.3	6.5#

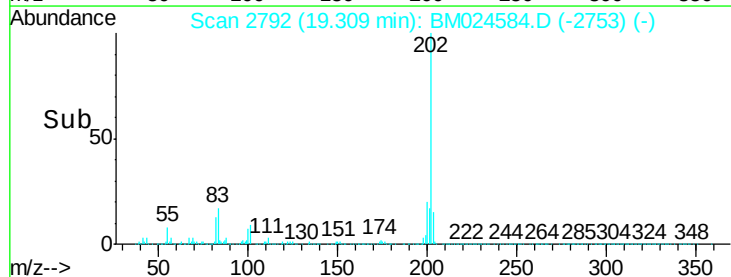
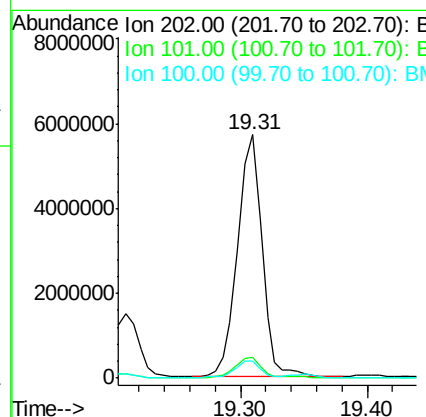
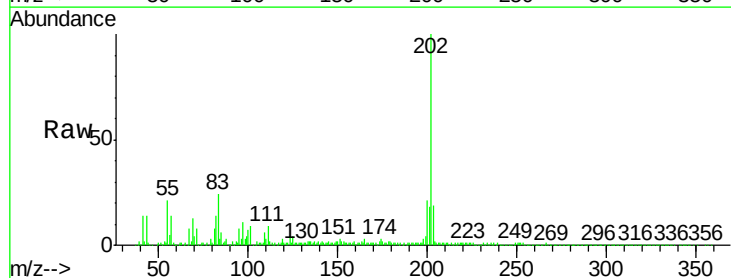
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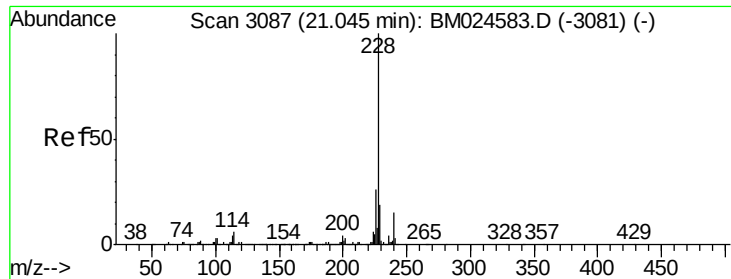
mohammad
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#80
 Pyrene
 Concen: 71.020 ng/ul
 RT: 19.31 min Scan# 2792
 Delta R.T. 0.03 min
 Lab File: BM024584.D
 Acq: 22 Jan 2020 16:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.8	6.5	9.7
100	7.2	5.0	7.6





#83

Benzo(a)anthracene

Concen: 23.056 ng/ul m

RT: 21.06 min Scan# 3090

Delta R.T. 0.02 min

Lab File: BM024584.D

Acq: 22 Jan 2020 16:34

Instrument :

BNA_M

ClientSampled :

GASK2

Tot Ion:228 Resp: 2449753

Ion Ratio Lower Upper

228 100

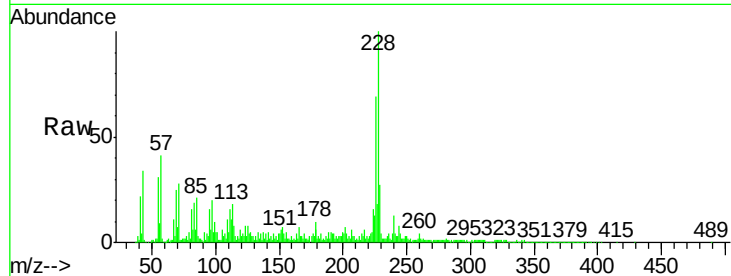
229 26.5 15.9 23.9#

226 68.9 21.1 31.7#

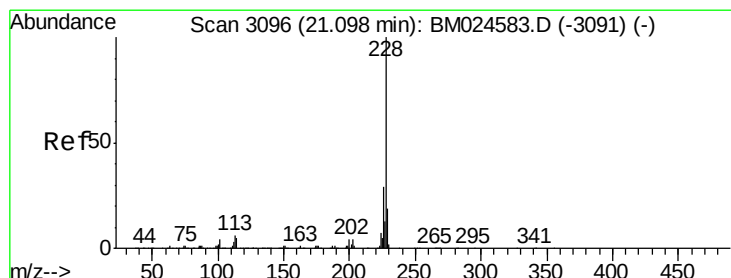
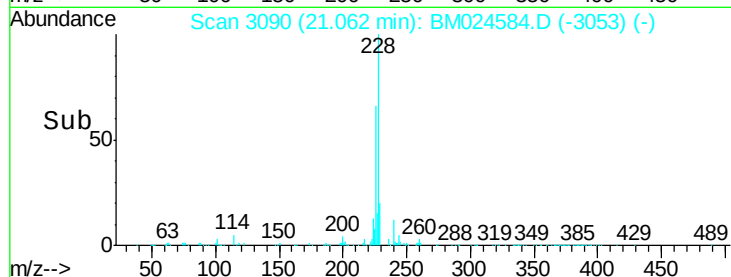
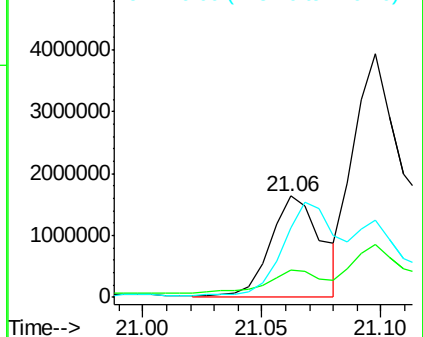
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#85

Chrysene

Concen: 59.584 ng/ul

RT: 21.10 min Scan# 3096

Delta R.T. 0.00 min

Lab File: BM024584.D

Acq: 22 Jan 2020 16:34

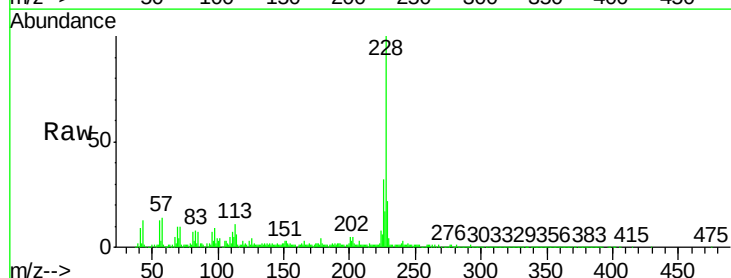
Tgt Ion:228 Resp: 6100480

Ion Ratio Lower Upper

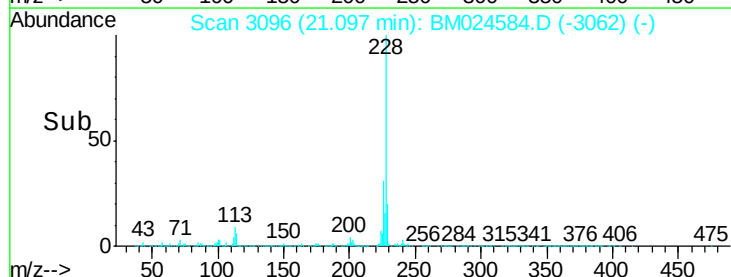
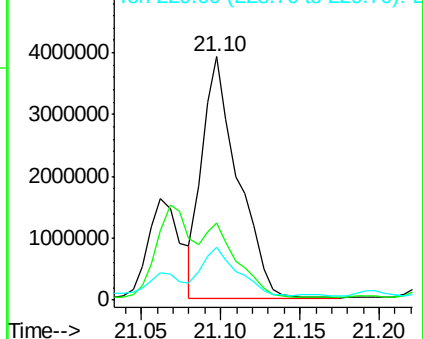
228 100

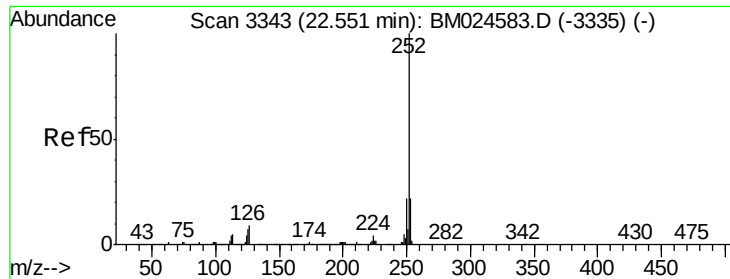
226 31.5 23.4 35.2

229 21.7 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





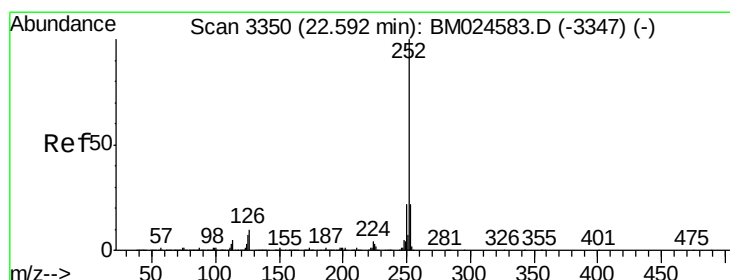
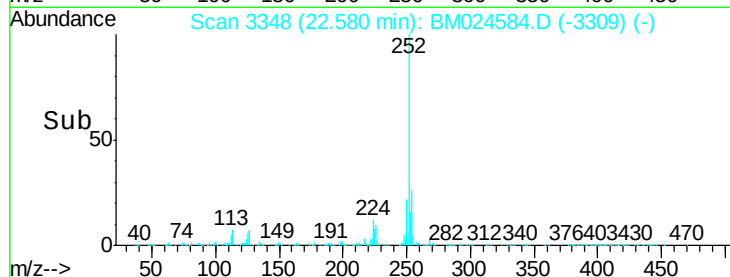
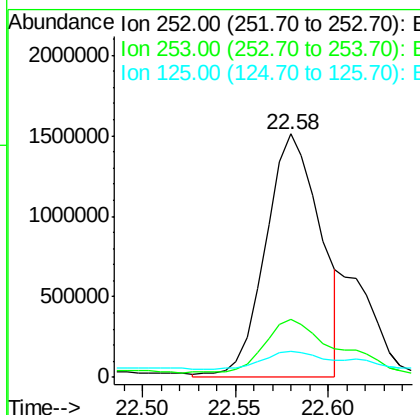
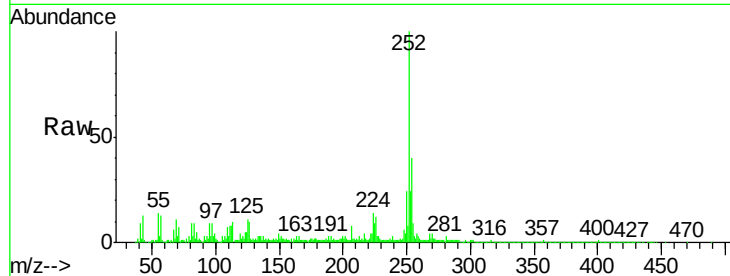
#88
Benzo(b)fluoranthene
Concen: 31.568 ng/ul m
RT: 22.58 min Scan# 3348
Delta R.T. 0.03 min
Lab File: BM024584.D
Acq: 22 Jan 2020 16:34

Instrument :
BNA_M
ClientSampleId :
GASK2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	10.7	5.3	7.9

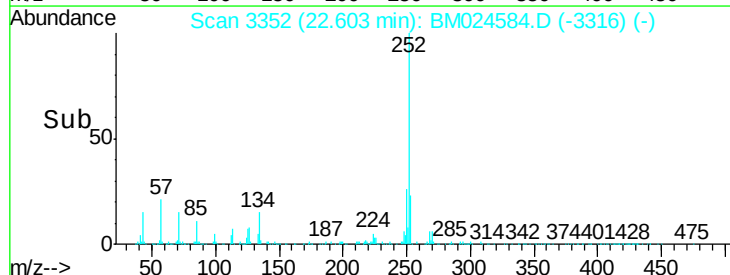
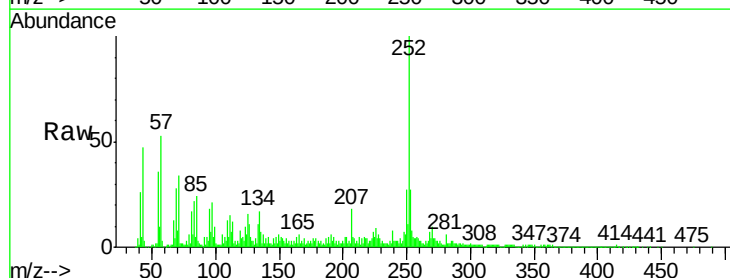
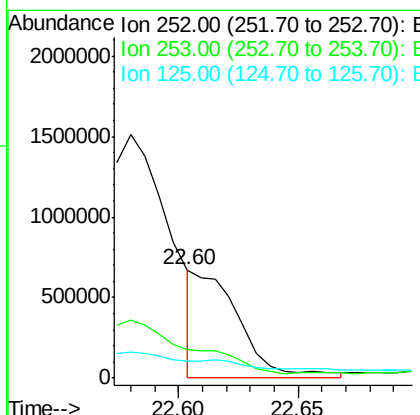
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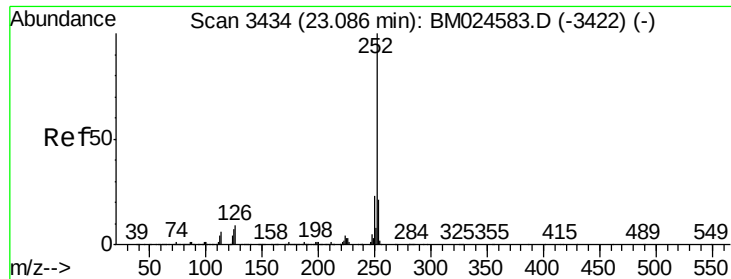
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1/23/2020 1:52:35 PM



#89
Benzo(k)fluoranthene
Concen: 9.173 ng/ul m
RT: 22.60 min Scan# 3352
Delta R.T. 0.01 min
Lab File: BM024584.D
Acq: 22 Jan 2020 16:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.1	25.7
125	15.7	5.2	7.8





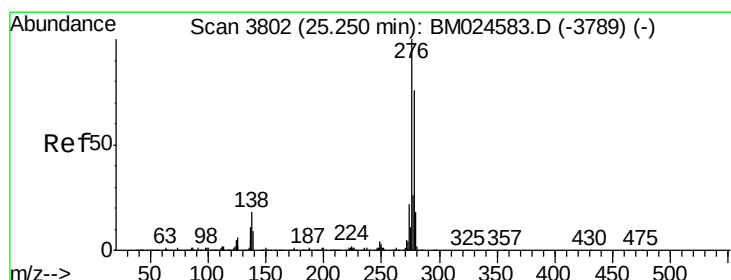
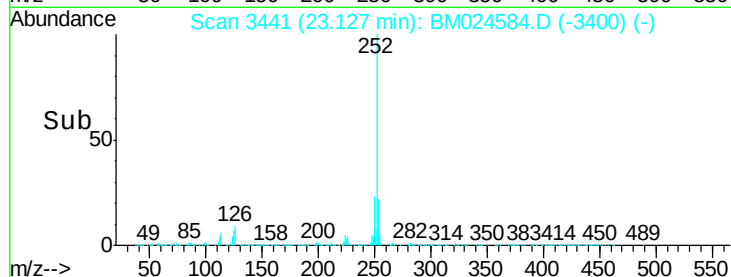
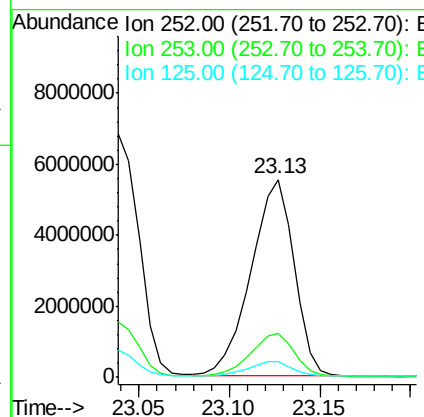
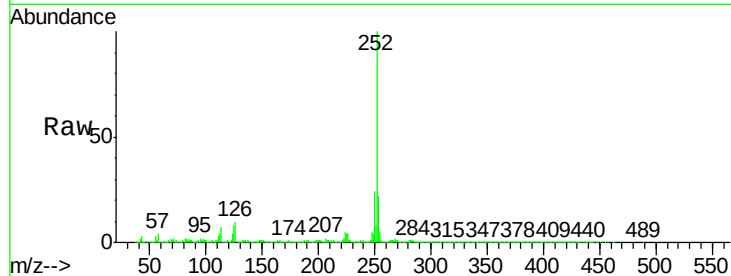
#91
Benzo(a)pyrene
Concen: 106.333 ng/ul
RT: 23.13 min Scan# 3441
Delta R.T. 0.04 min
Lab File: BM024584.D
Acq: 22 Jan 2020 16:34

Instrument :
BNA_M
ClientSampleId :
GASK2

Tot Ion:252 Resp: 9098973
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 8.1 5.7 8.5

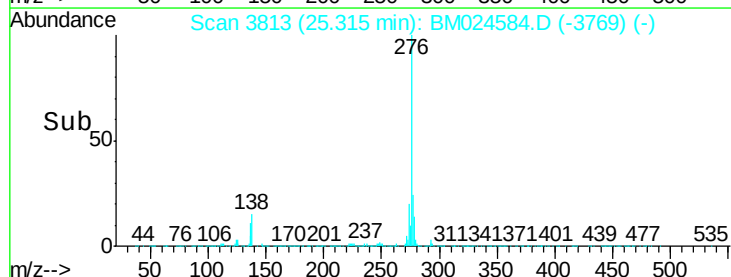
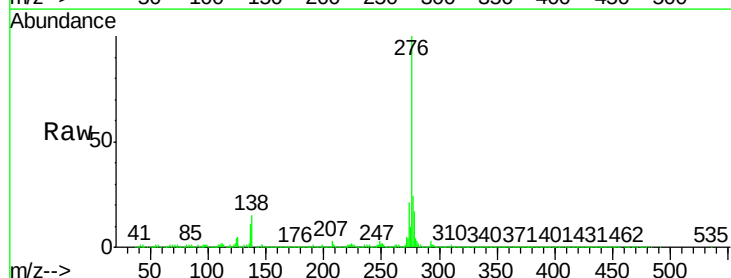
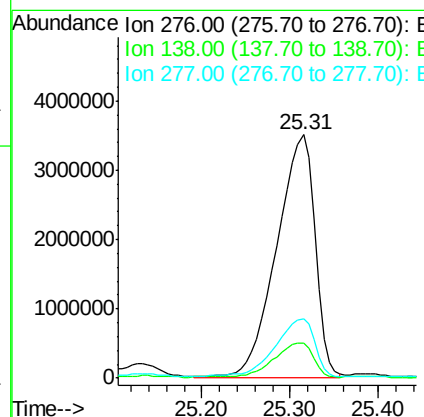
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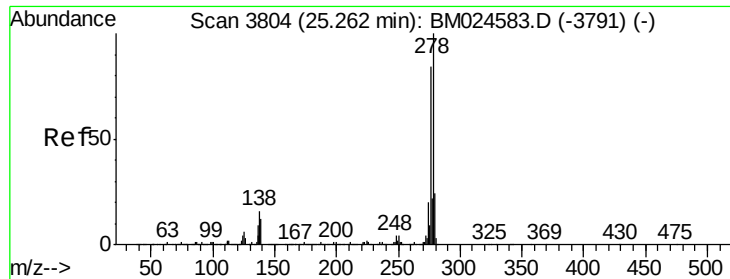
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#92
Indeno(1,2,3-cd)pyrene
Concen: 118.117 ng/ul m
RT: 25.31 min Scan# 3813
Delta R.T. 0.06 min
Lab File: BM024584.D
Acq: 22 Jan 2020 16:34

Tgt Ion:276 Resp:10575623
Ion Ratio Lower Upper
276 100
138 14.5 12.5 18.7
277 24.3 19.0 28.6





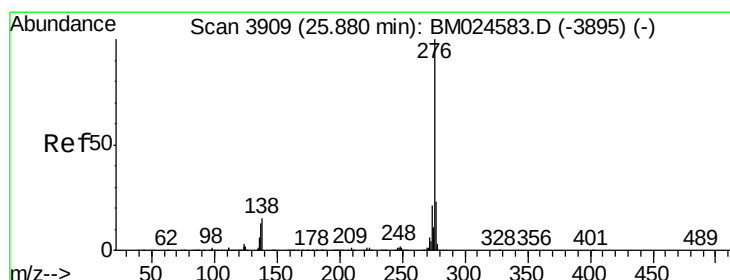
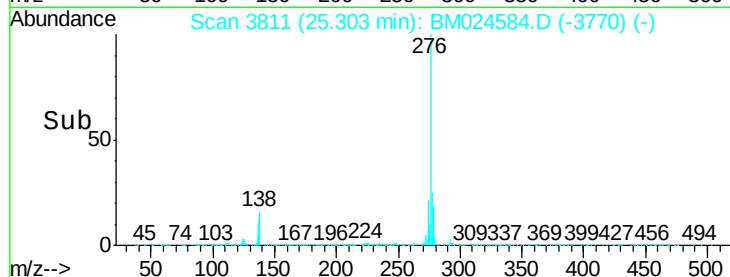
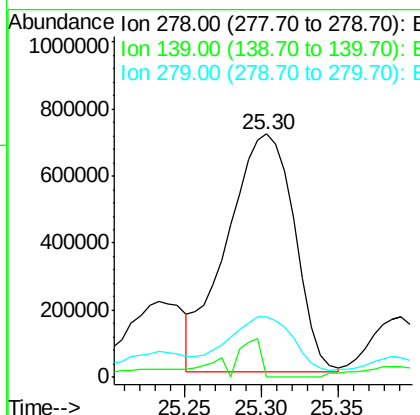
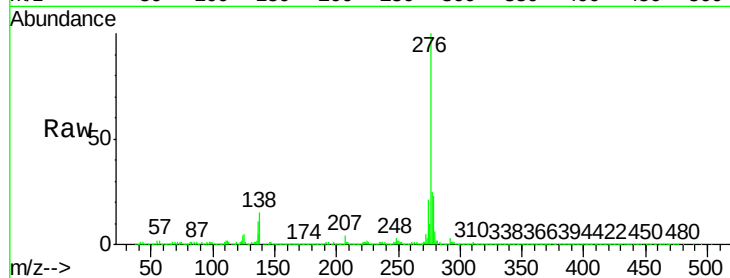
#93
 Dibenzo(a,h)anthracene
 Concen: 28.738 ng/ul m
 RT: 25.30 min Scan# 3811
 Delta R.T. 0.04 min
 Lab File: BM024584.D
 Acq: 22 Jan 2020 16:34

Instrument :
 BNA_M
 ClientSampleId :
 GASK2

Tot Ion:278 Resp: 2183749
 Ion Ratio Lower Upper
 278 100
 139 0.0 8.7 13.1#
 279 24.7 18.6 27.8

Manual Integrations
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 1/23/2020 1:52:35 PM



#94
 Benzo(g,h,i)perylene
 Concen: 116.123 ng/ul m
 RT: 25.94 min Scan# 3920
 Delta R.T. 0.06 min
 Lab File: BM024584.D
 Acq: 22 Jan 2020 16:34

Tgt Ion:276 Resp: 8263063
 Ion Ratio Lower Upper
 276 100
 138 15.2 12.2 18.2
 277 23.8 18.8 28.2

