

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
 Data File : BM024563.D
 Acq On : 21 Jan 2020 15:08
 Operator : JU
 Sample : L1109-14
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GASH3

Manual Integrations
 APPROVED

mohammad
 1/23/2020 7:57:31 AM

Quant Time: Jan 21 15:52:20 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 21 11:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	221908	20.00	ng/ul	0.00
18) Naphthalene-d8	10.21	136	976187	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.10	164	698154	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.85	188	1624964	20.00	ng/ul	0.00
78) Chrysene-d12	21.06	240	1619073	20.00	ng/ul	0.00
86) Perylene-d12	23.18	264	1465610	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	14869	3.27	ng/uL	0.00
5) Phenol-d5	6.65	99	295534	17.97	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.80	67	164326	17.99	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	268314	19.10	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	271334	17.89	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	141448	20.62	ng/ul	0.00
22) 2-Nitrophenol-d4	9.30	143	166854	22.46	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.84	165	313694	18.76	ng/ul	0.00
29) 4-Chloroaniline-d4	10.35	131	378632	20.37	ng/ul	0.00
44) Dimethylphthalate-d6	13.52	166	1098591	20.08	ng/ul	0.00
47) Acenaphthylene-d8	13.79	160	1237708	19.66	ng/ul	0.00
52) 4-Nitrophenol-d4	14.32	143	158864	17.40	ng/ul	0.00
58) Fluorene-d10	15.10	176	942731	19.58	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.23	200	165929	17.89	ng/ul	0.00
71) Anthracene-d10	16.95	188	1599406	21.17	ng/ul	0.00
79) Pyrene-d10	19.26	212	1924231	22.23	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.04	264	1642633	21.61	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.26	128	130833	2.616	ng/ul 99
34) 2-Methylnaphthalene	11.89	142	137315	3.539	ng/ul 98
41) 1,1'-Biphenyl	12.93	154	105202	2.076	ng/ul 99
45) Dimethylphthalate	13.57	163	104642	1.882	ng/ul 99
48) Acenaphthylene	13.82	152	162881	2.533	ng/ul 98
50) Acenaphthene	14.16	153	62269	1.431	ng/ul 97
54) Dibenzofuran	14.50	168	344135	5.397	ng/ul 99
59) Fluorene	15.16	166	354497	6.575	ng/ul 99
70) Phenanthrene	16.89	178	2122532	24.220	ng/ul 100
72) Anthracene	16.99	178	629005	7.039	ng/ul 99
75) Carbazole	17.25	167	190273	2.530	ng/ul 99
77) Fluoranthene	18.92	202	1641126	15.323	ng/ul 100
80) Pyrene	19.29	202	1614930	14.570	ng/ul 100
83) Benzo(a)anthracene	21.04	228	882075	7.998	ng/ul 97
85) Chrysene	21.10	228	712141	6.701	ng/ul 98
88) Benzo(b)fluoranthene	22.56	252	639315	6.600	ng/ul 99
89) Benzo(k)fluoranthene	22.59	252	200213m	2.103	ng/ul
91) Benzo(a)pyrene	23.09	252	462853	5.498	ng/ul 100
92) Indeno(1,2,3-cd)pyrene	25.24	276	194340	2.206	ng/ul 98
94) Benzo(g,h,i)perylene	25.87	276	167255	2.389	ng/ul 97

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

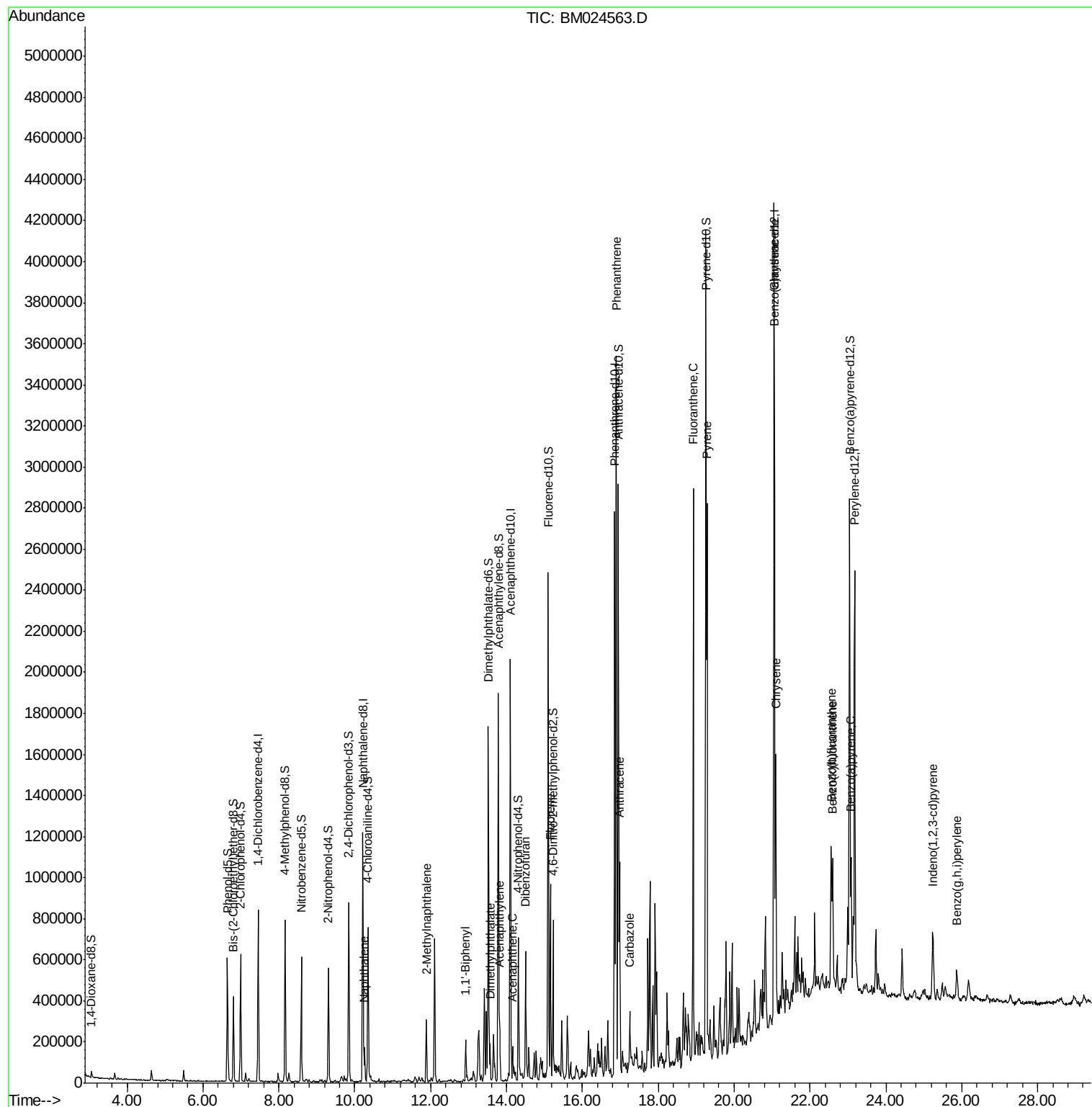
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
Data File : BM024563.D
Acq On : 21 Jan 2020 15:08
Operator : JU
Sample : L1109-14
Misc :
ALS Vial : 8 Sample Multiplier: 1

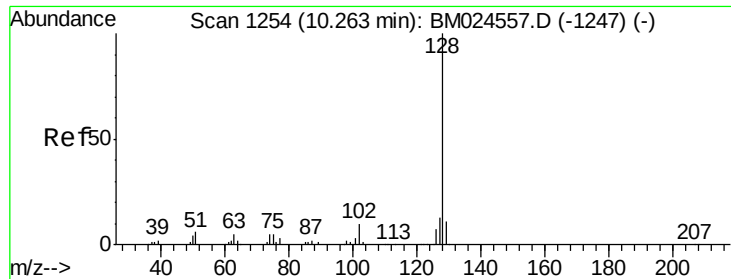
Instrument :
BNA_M
ClientSampleId :
GASH3

Quant Time: Jan 21 15:52:20 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
Quant Title : SVOA CALIBRATION
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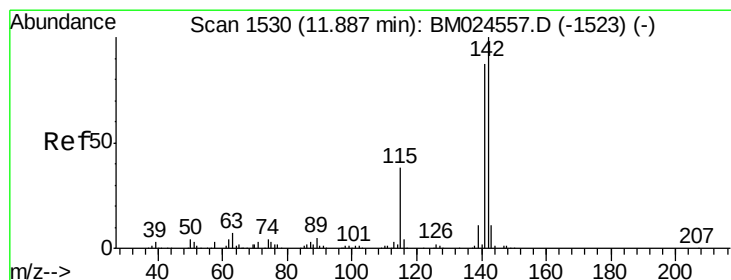
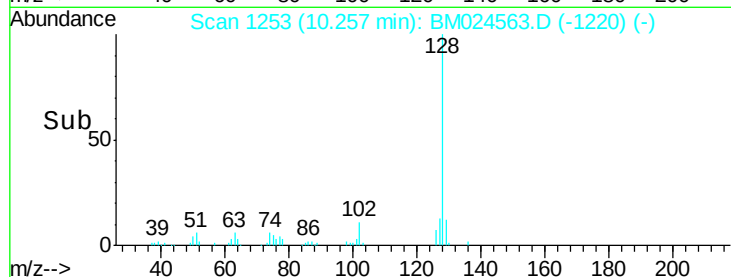
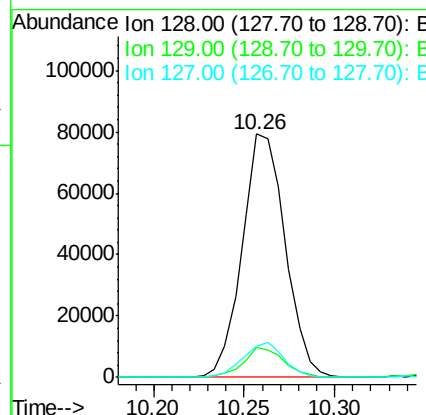
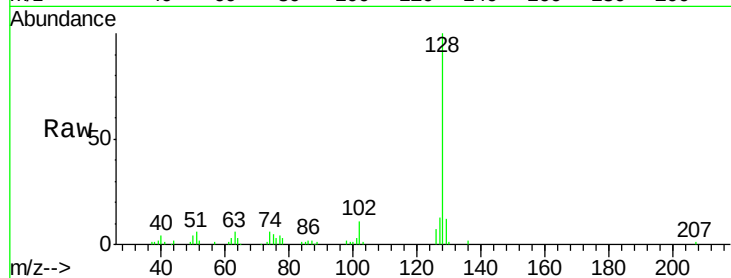
#28
Naphthalene
Concen: 2.616 ng/ul
RT: 10.26 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BM024563.D
Acq: 21 Jan 2020 15:08

Instrument :
BNA_M
ClientSampled :
GASH3

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.1	8.8	13.2
127	13.0	10.4	15.6

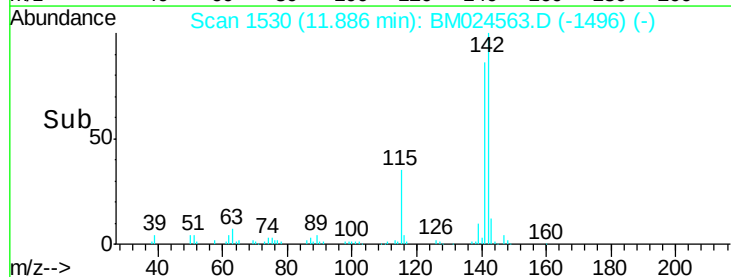
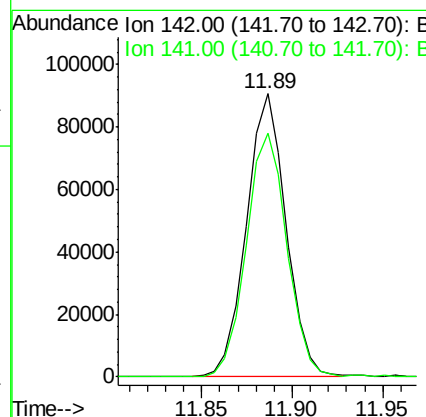
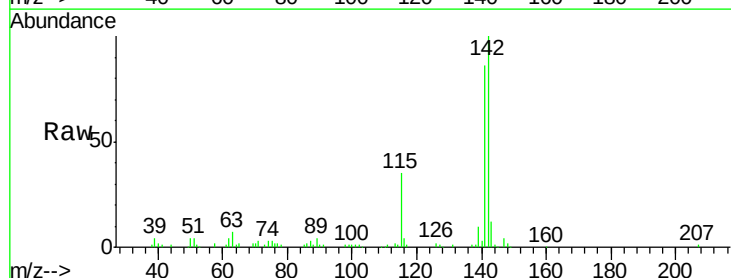
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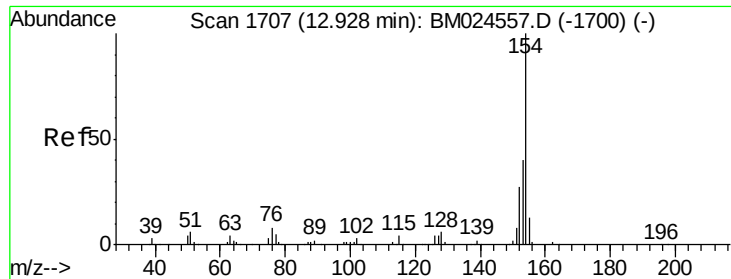
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#34
2-Methylnaphthalene
Concen: 3.539 ng/ul
RT: 11.89 min Scan# 1530
Delta R.T. -0.00 min
Lab File: BM024563.D
Acq: 21 Jan 2020 15:08

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.2	70.4	105.6





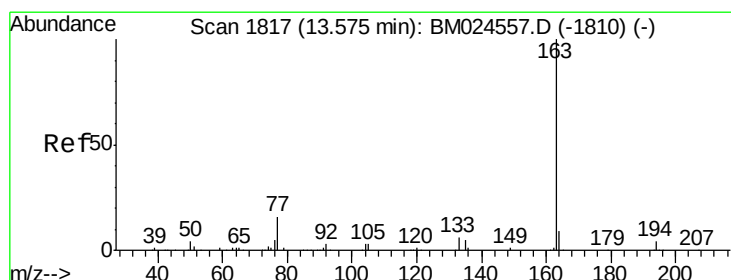
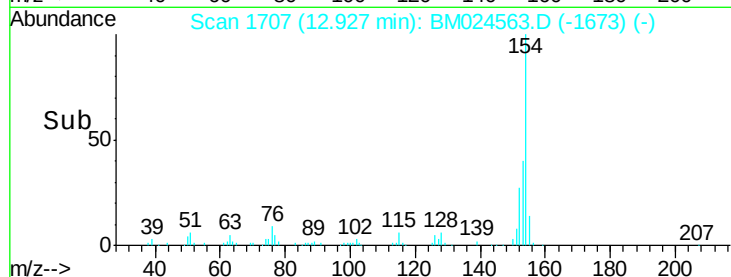
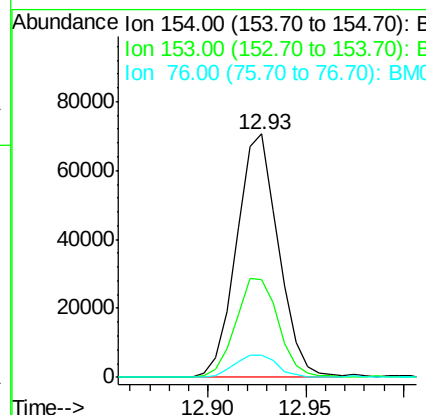
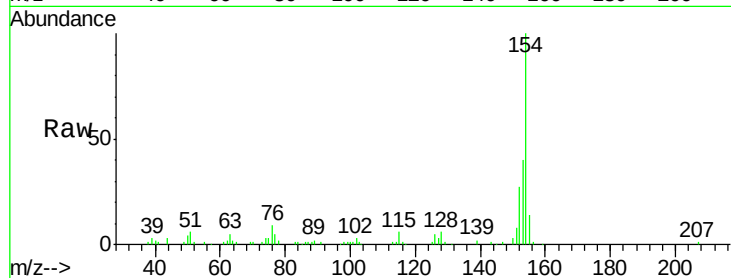
#41
1,1'-Biphenyl
Concen: 2.076 ng/ul
RT: 12.93 min Scan# 1707
Delta R.T. -0.00 min
Lab File: BM024563.D
Acq: 21 Jan 2020 15:08

Instrument :
BNA_M
ClientSampleId :
GASH3

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.0	32.3	48.5
76	9.2	7.0	10.6

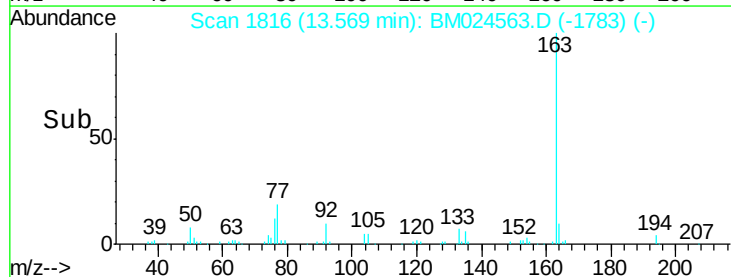
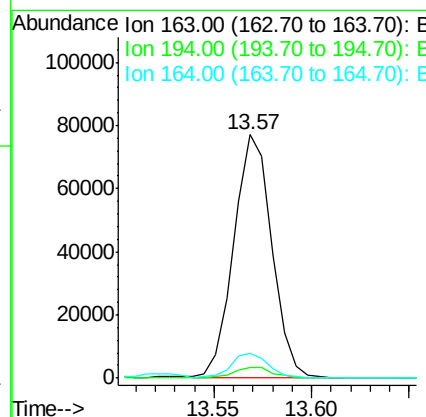
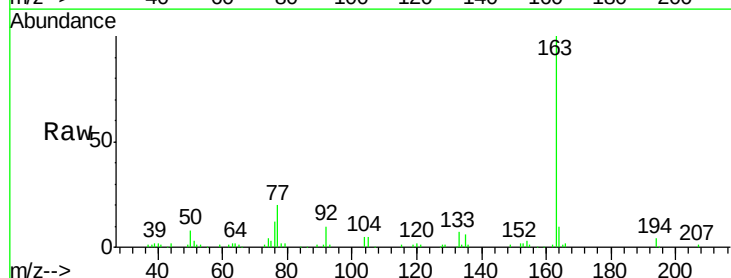
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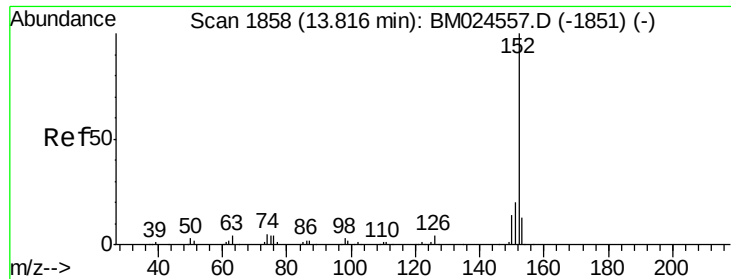
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#45
Dimethylphthalate
Concen: 1.882 ng/ul
RT: 13.57 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BM024563.D
Acq: 21 Jan 2020 15:08

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.0
164	10.2	8.0	12.0





#48

Acenaphthylene

Concen: 2.533 ng/ul

RT: 13.82 min Scan# 1858

Delta R.T. -0.00 min

Lab File: BM024563.D

Acq: 21 Jan 2020 15:08

Instrument :

BNA_M

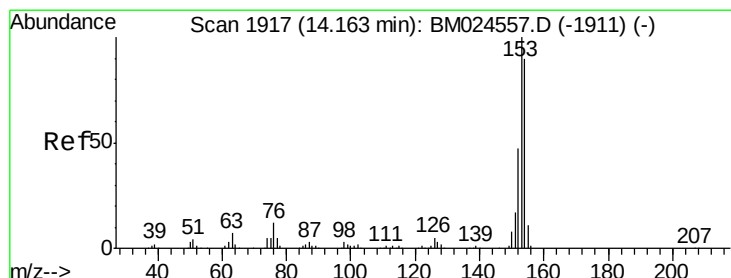
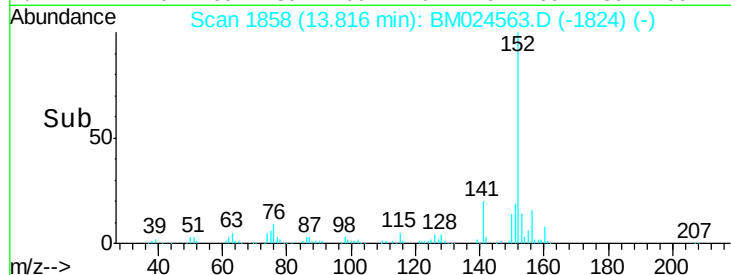
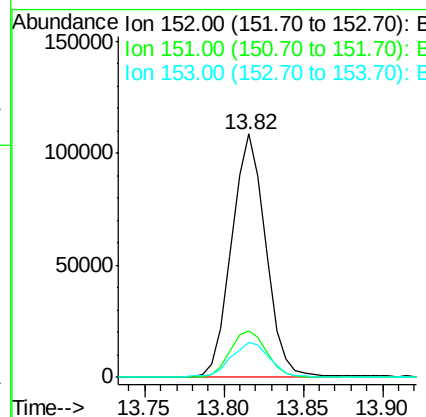
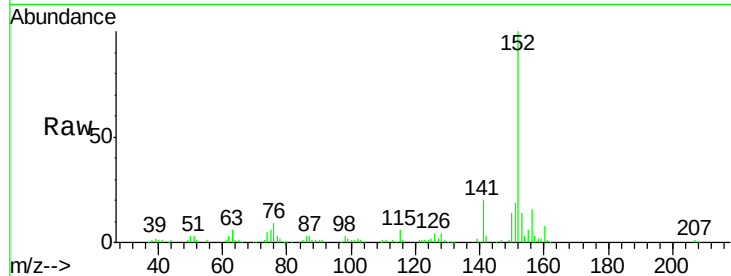
ClientSampled :

GASH3

Tot Ion:	152	Resp:	162881
Ion Ratio	Lower	Upper	
152	100		
151	19.3	15.9	23.9
153	14.2	10.3	15.5

Manual Integrations
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#50

Acenaphthene

Concen: 1.431 ng/ul

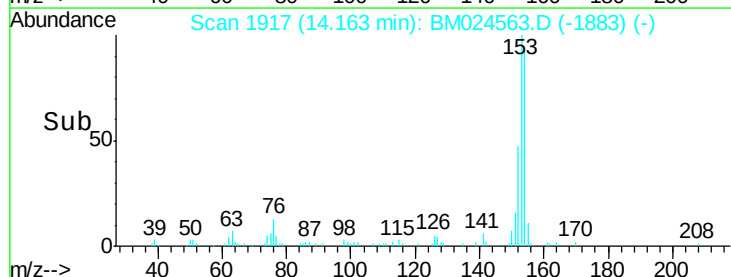
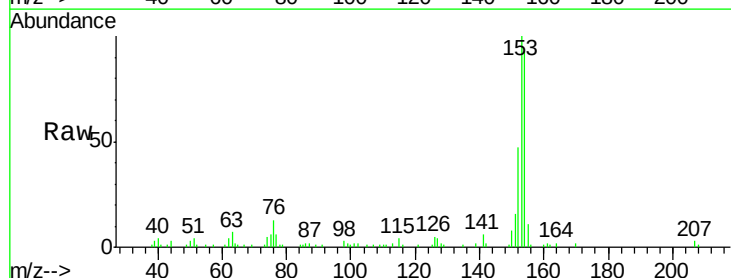
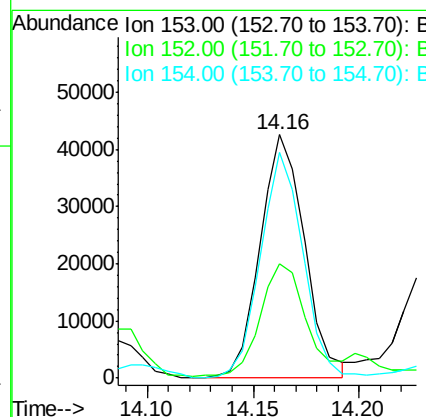
RT: 14.16 min Scan# 1917

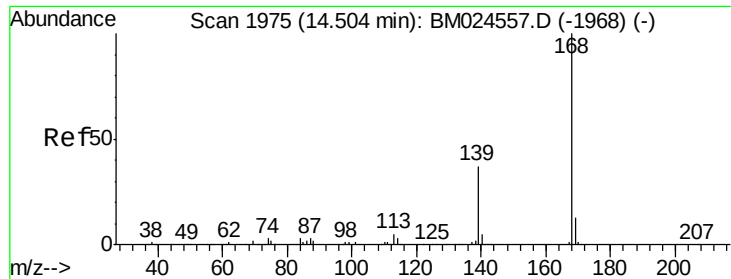
Delta R.T. -0.00 min

Lab File: BM024563.D

Acq: 21 Jan 2020 15:08

Tgt Ion:	153	Resp:	62269
Ion Ratio	Lower	Upper	
153	100		
152	47.0	37.2	55.8
154	92.6	70.6	106.0





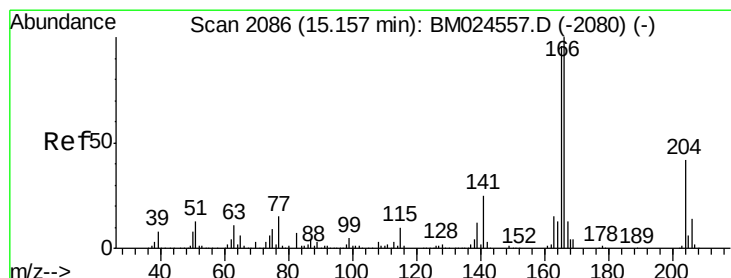
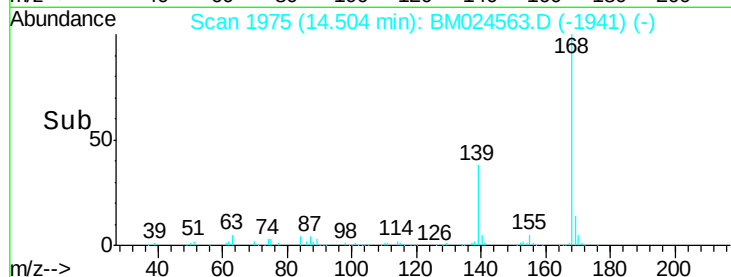
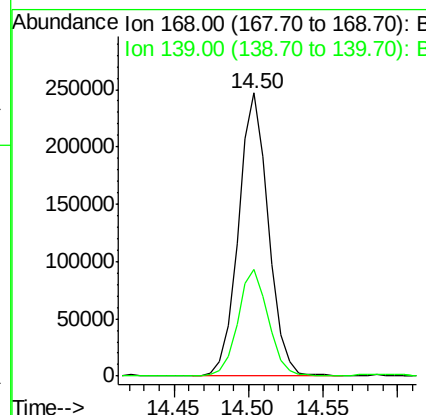
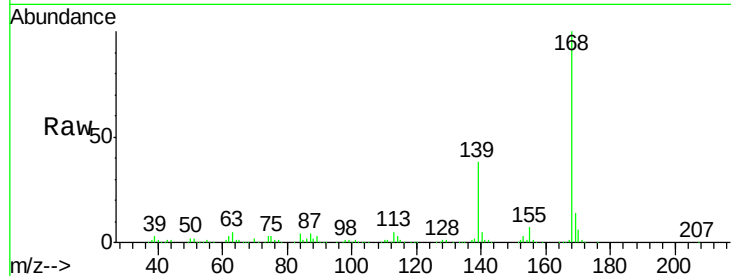
#54
Dibenzenofuran
Concen: 5.397 ng/ul
RT: 14.50 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BM024563.D
Acq: 21 Jan 2020 15:08

Instrument :
BNA_M
ClientSampled :
GASH3

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.7	30.7	46.1

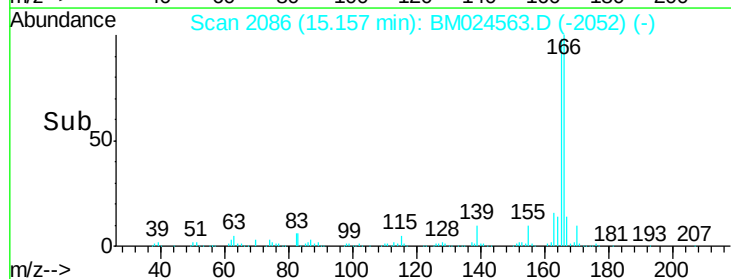
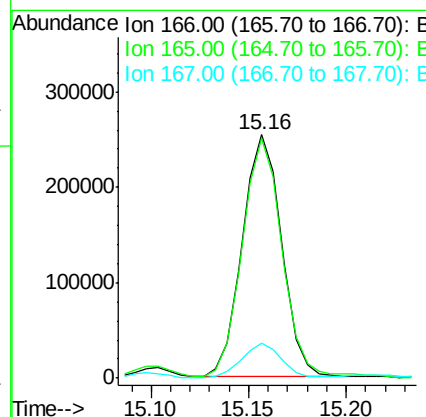
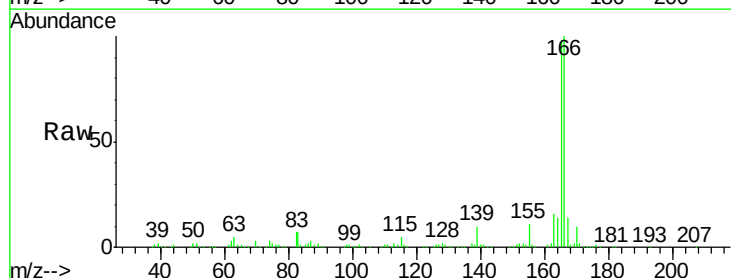
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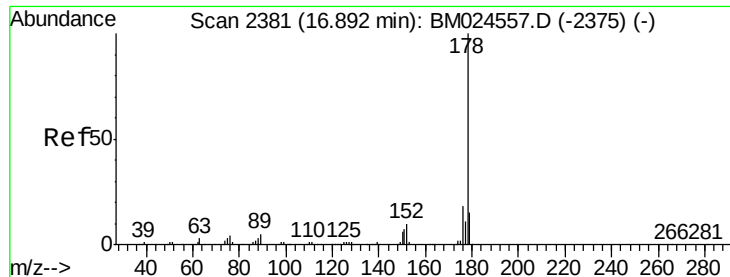
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#59
Fluorene
Concen: 6.575 ng/ul
RT: 15.16 min Scan# 2086
Delta R.T. -0.00 min
Lab File: BM024563.D
Acq: 21 Jan 2020 15:08

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.4	79.6	119.4
167	14.5	10.8	16.2





#70

Phenanthrene

Concen: 24.220 ng/ul

RT: 16.89 min Scan# 2381

Delta R.T. -0.00 min

Lab File: BM024563.D

Acq: 21 Jan 2020 15:08

Instrument :

BNA_M

ClientSampleId :

GASH3

Tot Ion:178 Resp: 2122532

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

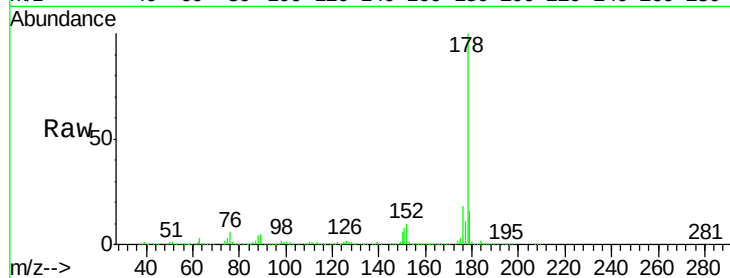
176 18.5 14.9 22.3

Manual Integrations

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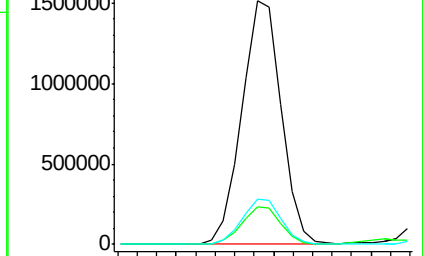
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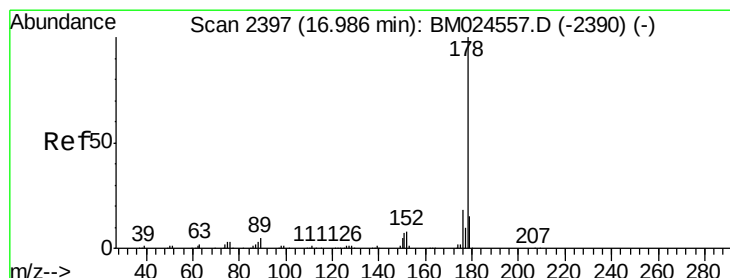
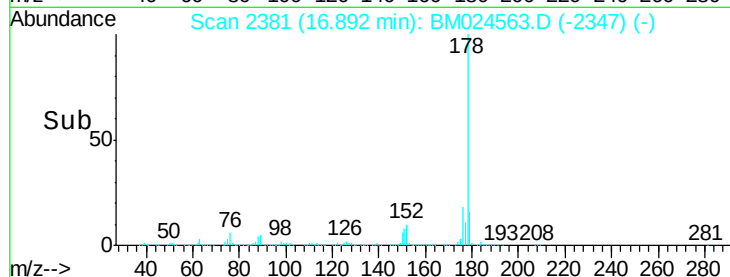
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#72

Anthracene

Concen: 7.039 ng/ul

RT: 16.99 min Scan# 2397

Delta R.T. -0.00 min

Lab File: BM024563.D

Acq: 21 Jan 2020 15:08

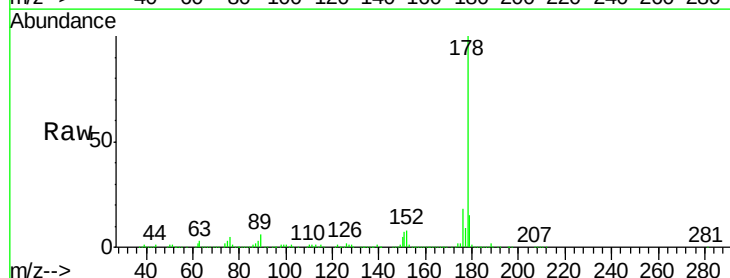
Tgt Ion:178 Resp: 629005

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

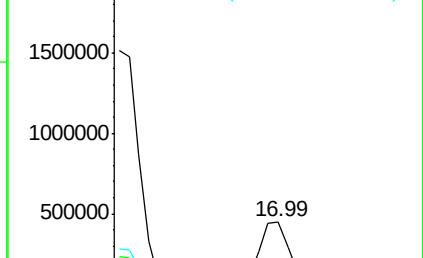
176 17.6 14.6 22.0



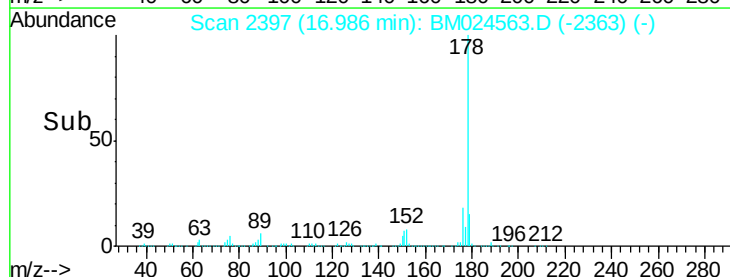
Abundance Ion 178.00 (177.70 to 178.70): E

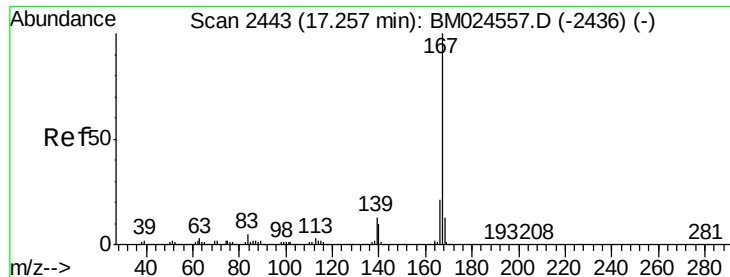
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





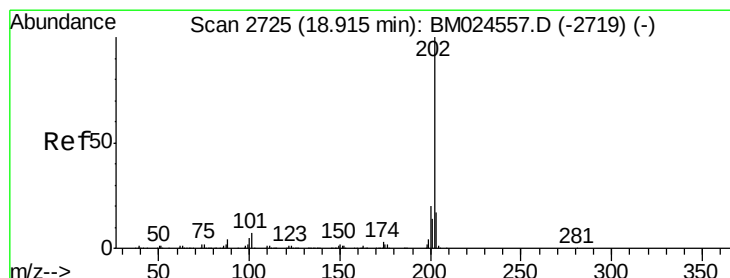
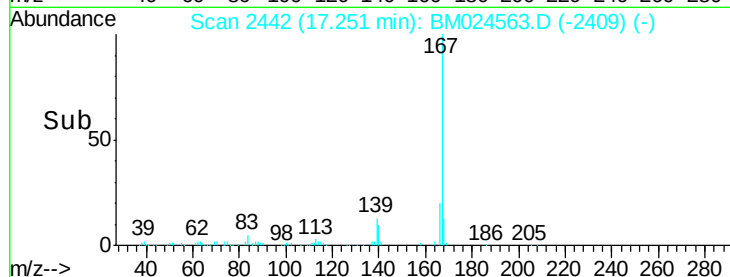
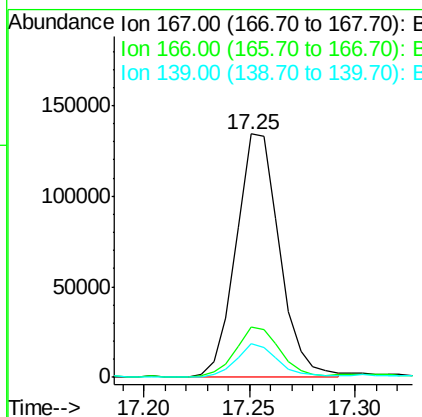
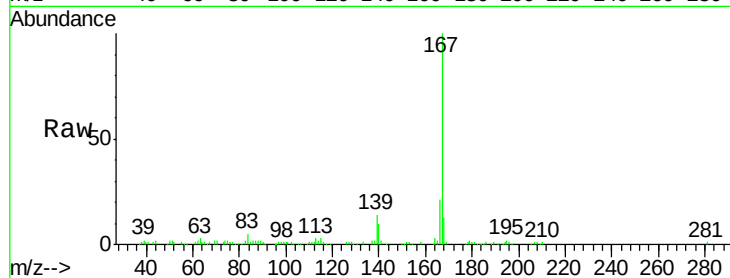
#75
 Carbazole
 Concen: 2.530 ng/ul
 RT: 17.25 min Scan# 2442
 Delta R.T. -0.01 min
 Lab File: BM024563.D
 Acq: 21 Jan 2020 15:08

Instrument :
 BNA_M
 ClientSampleId :
 GASH3

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.1	25.7
139	13.6	10.6	15.8

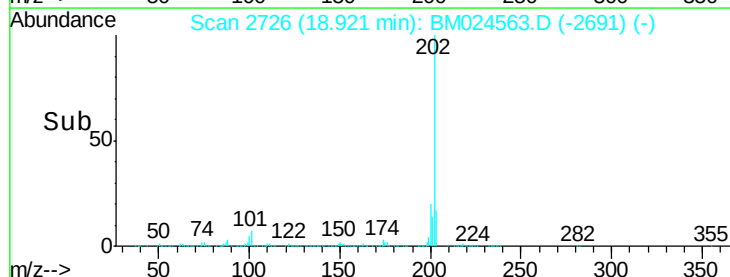
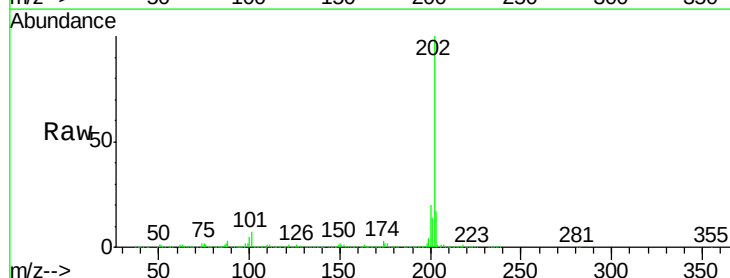
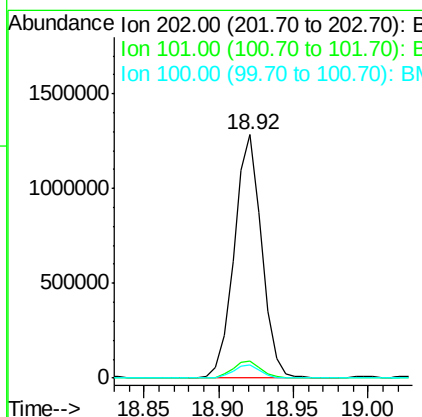
Manual Integrations
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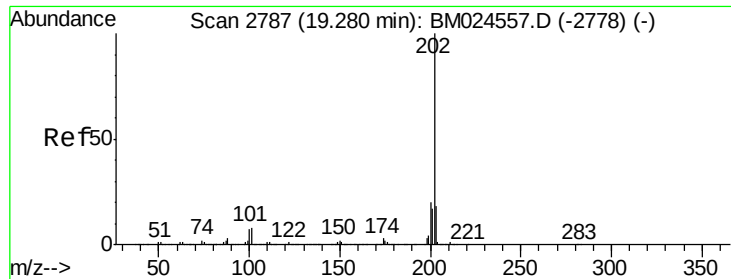
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#77
 Fluoranthene
 Concen: 15.323 ng/ul
 RT: 18.92 min Scan# 2726
 Delta R.T. 0.01 min
 Lab File: BM024563.D
 Acq: 21 Jan 2020 15:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.9	5.4	8.2
100	5.2	4.3	6.5





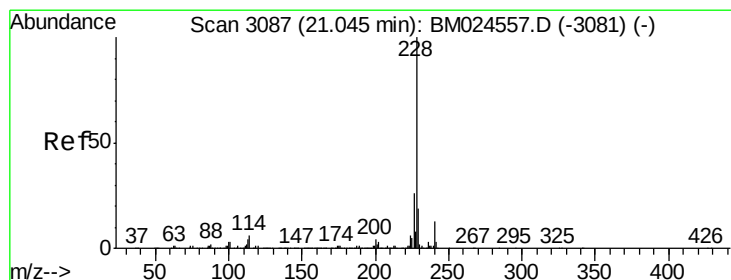
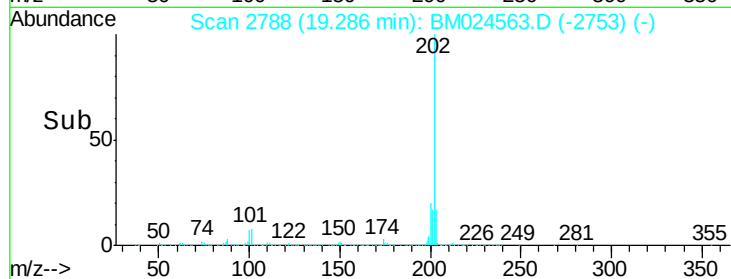
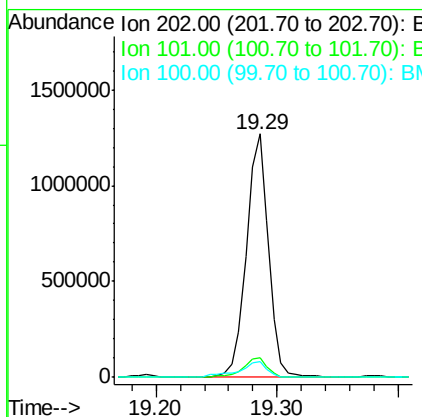
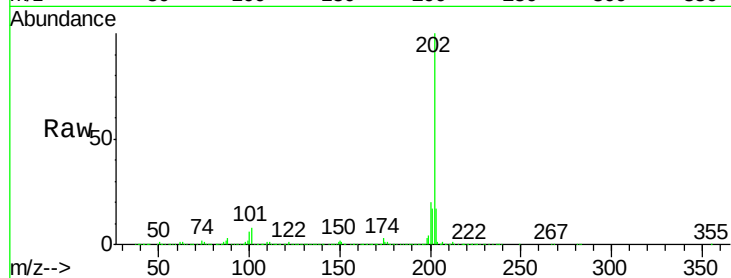
#80
Pvrene
Concen: 14.570 ng/ul
RT: 19.29 min Scan# 2788
Delta R.T. 0.01 min
Lab File: BM024563.D
Acq: 21 Jan 2020 15:08

Instrument :
BNA_M
ClientSampleId :
GASH3

Tot Ion	Ratio	Lower	Upper
202	100		
101	7.9	6.5	9.7
100	6.4	5.0	7.6

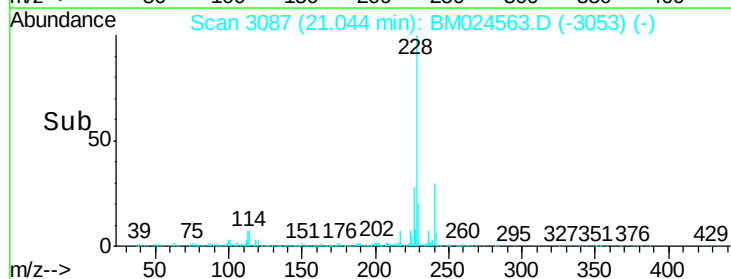
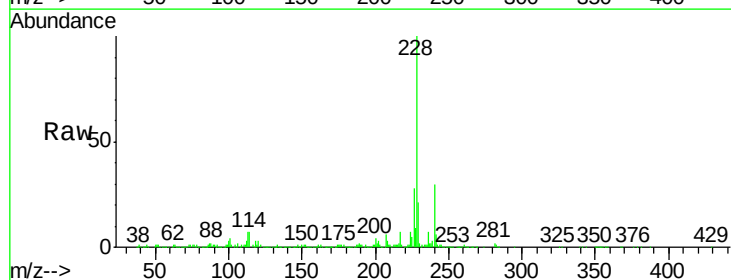
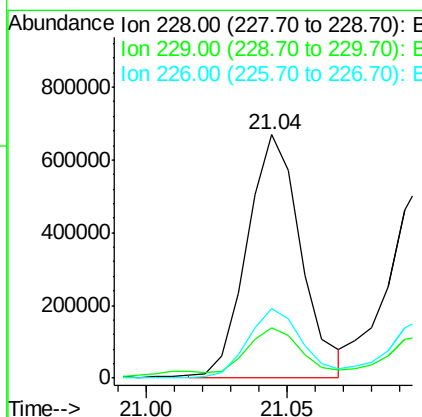
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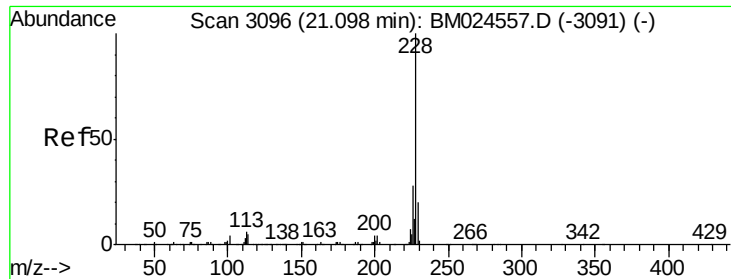
mohammad
1/23/2020 7:57:31 AM



#83
Benzo(a)anthracene
Concen: 7.998 ng/ul
RT: 21.04 min Scan# 3087
Delta R.T. -0.00 min
Lab File: BM024563.D
Acq: 21 Jan 2020 15:08

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.9	23.9
226	28.4	21.1	31.7





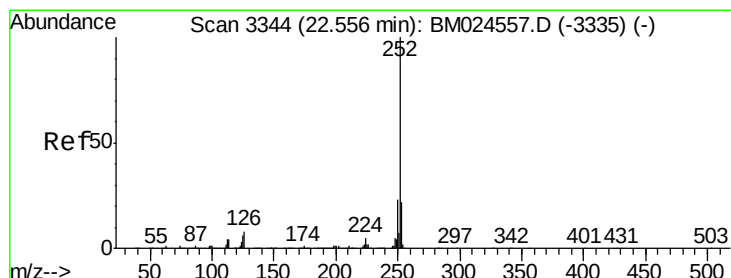
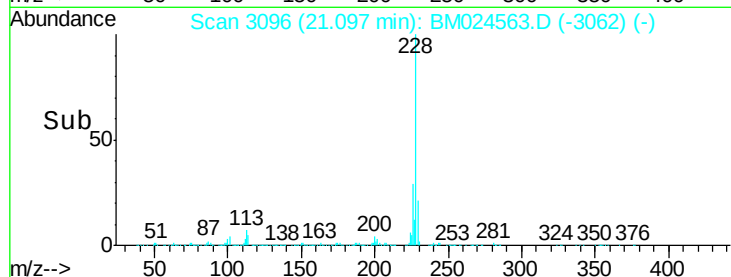
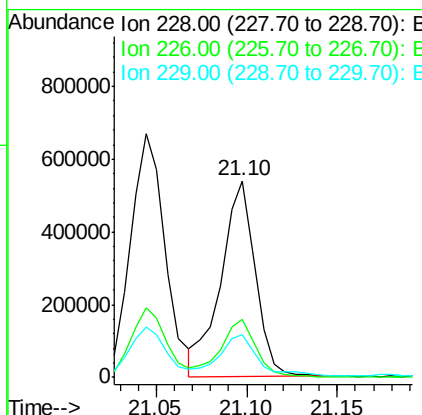
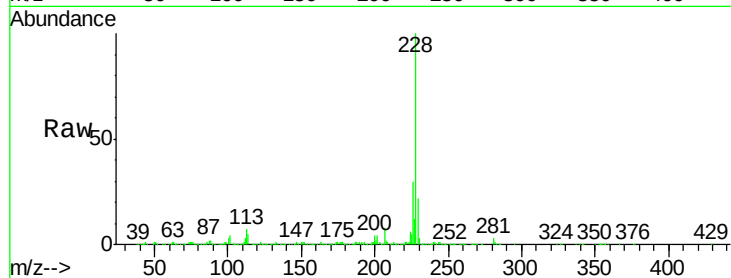
#85
Chrysene
Concen: 6.701 ng/ul
RT: 21.10 min Scan# 3096
Delta R.T. -0.00 min
Lab File: BM024563.D
Acq: 21 Jan 2020 15:08

Instrument :
BNA_M
ClientSampleId :
GASH3

Tot Ion:	228	Resp:	712141
Ion Ratio	Lower	Upper	
228	100		
226	29.5	23.4	35.2
229	21.6	16.1	24.1

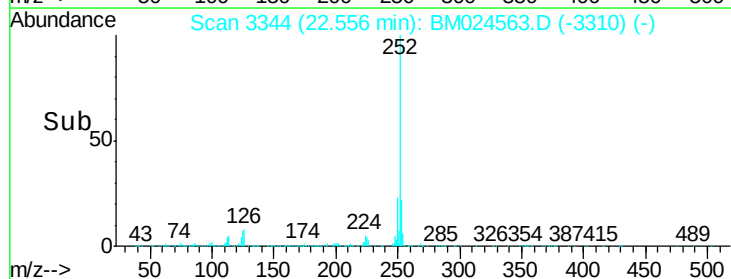
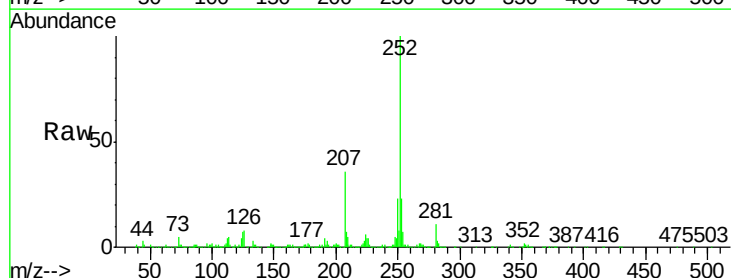
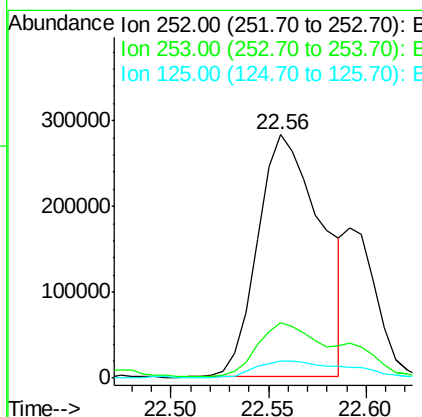
Manual Integrations
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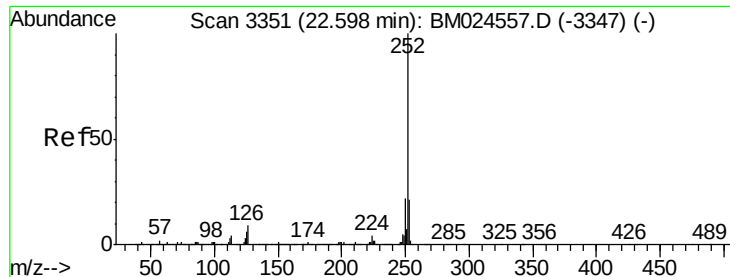
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#88
Benzo(b)fluoranthene
Concen: 6.600 ng/ul
RT: 22.56 min Scan# 3344
Delta R.T. -0.00 min
Lab File: BM024563.D
Acq: 21 Jan 2020 15:08

Tgt Ion:	252	Resp:	639315
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.8	26.6
125	7.0	5.3	7.9





#89

Benzo(k)fluoranthene

Concen: 2.103 ng/ul m

RT: 22.59 min Scan# 3350

Delta R.T. -0.01 min

Lab File: BM024563.D

Acq: 21 Jan 2020 15:08

Instrument :

BNA_M

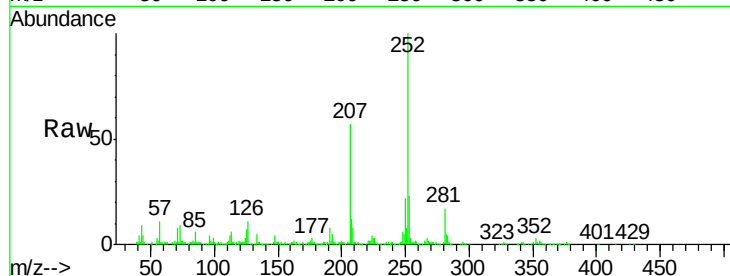
ClientSampled :

GASH3

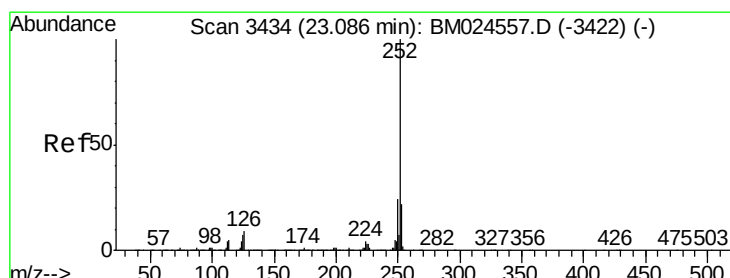
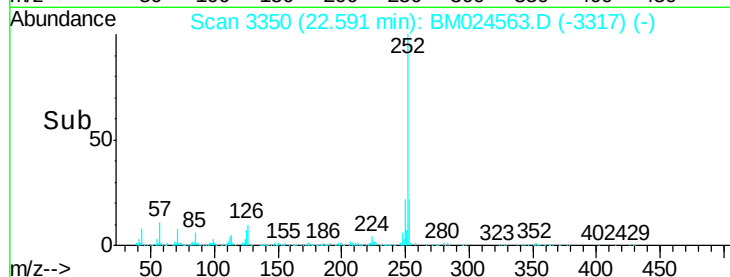
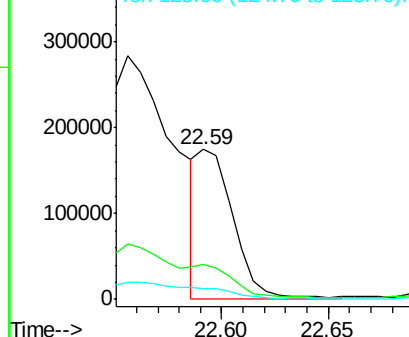
Tot Ion:	252	Resp:	200213
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.1	25.7
125	7.2	5.2	7.8

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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: 5.498 ng/ul

RT: 23.09 min Scan# 3434

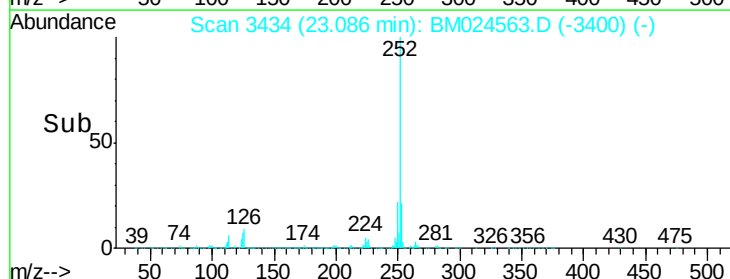
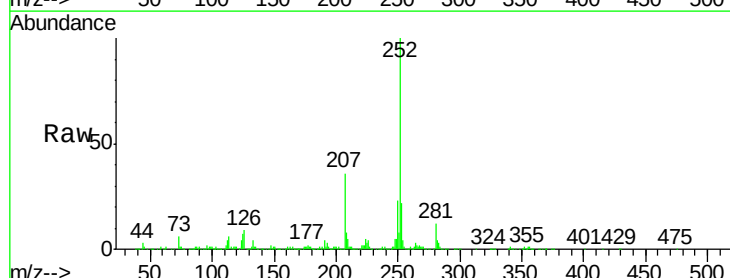
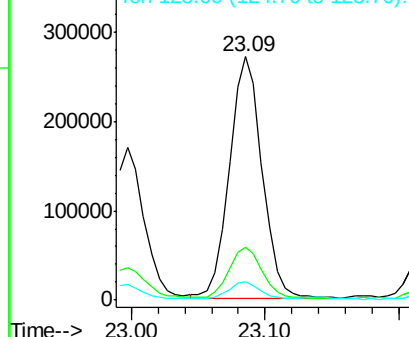
Delta R.T. -0.00 min

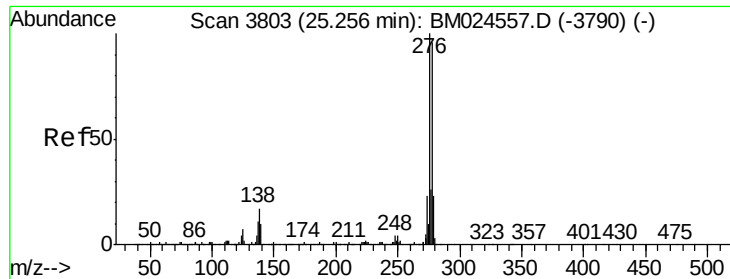
Lab File: BM024563.D

Acq: 21 Jan 2020 15:08

Tgt Ion:	252	Resp:	462853
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.5	26.3
125	7.3	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





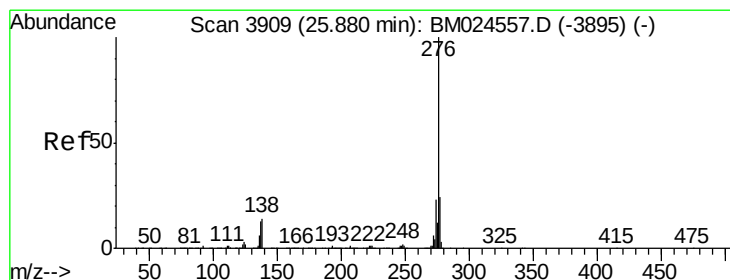
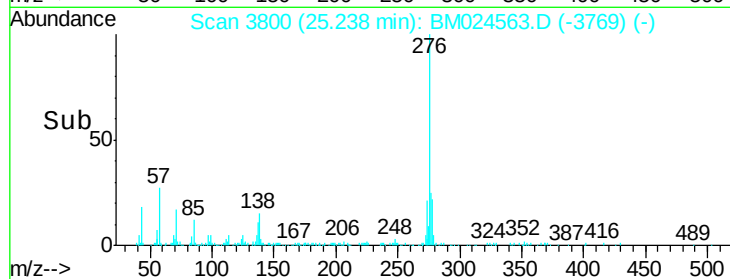
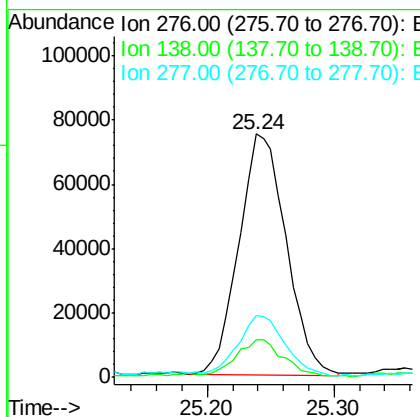
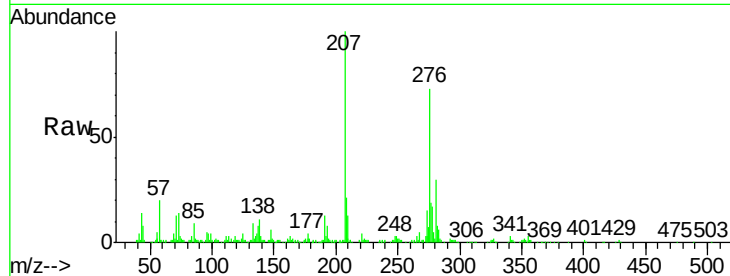
#92
Indeno(1,2,3-cd)pyrene
Concen: 2.206 ng/ul
RT: 25.24 min Scan# 3800
Delta R.T. -0.02 min
Lab File: BM024563.D
Acq: 21 Jan 2020 15:08

Instrument :
BNA_M
ClientSampleId :
GASH3

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.3	12.5	18.7
277	25.4	19.0	28.6

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 2.389 ng/ul
RT: 25.87 min Scan# 3907
Delta R.T. -0.01 min
Lab File: BM024563.D
Acq: 21 Jan 2020 15:08

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.8	12.2	18.2
277	21.4	18.8	28.2

