

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051021\
 Data File : BM029928.D
 Acq On : 11 May 2021 05:48
 Operator : CG/JU
 Sample : M2177-22
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BG592

Manual Integrations
 APPROVED

mohammad
 5/11/2021 2:33:42 PM

Quant Time: May 11 06:43:43 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 11 05:09:24 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	158101	20.00	ng/ul	0.00
20) Naphthalene-d8	10.32	136	715009	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.20	164	462432	20.00	ng/ul	0.00
64) Phenanthrene-d10	16.95	188	932714	20.00	ng/ul	0.00
79) Chrysene-d12	21.13	240	812259	20.00	ng/ul	0.00
88) Perylene-d12	23.29	264	702465	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	4674m	1.18	ng/uL	0.02
4) Pyridine-d5	0.00	84	0d	0.00	ng/ul	
7) Phenol-d5	6.74	99	75052	5.10	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	6.90	67	55056	6.04	ng/ul	0.00
11) 2-Chlorophenol-d4	7.09	132	69928	6.16	ng/ul	0.00
15) 4-Methylphenol-d8	8.27	113	63815	5.25	ng/ul	0.00
21) Nitrobenzene-d5	8.71	128	30379	6.17	ng/ul	0.00
24) 2-Nitrophenol-d4	9.43	143	32381	5.82	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.97	165	57743	5.18	ng/ul	0.01
31) 4-Chloroaniline-d4	10.49	131	28235	1.66	ng/ul	0.01
46) Dimethylphthalate-d6	13.62	166	235687	6.58	ng/ul	0.00
49) Acenaphthylene-d8	13.89	160	287507	6.33	ng/ul	0.00
54) 4-Nitrophenol-d4	14.45	143	11062m	1.89	ng/ul	0.02
60) Fluorene-d10	15.19	176	207419	6.82	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.34	200	12104	2.00	ng/ul	0.00
73) Anthracene-d10	17.04	188	322335	6.86	ng/ul	0.00
81) Pyrene-d10	19.34	212	330498	7.93	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.15	264	249470	6.26	ng/ul	0.00

Target Compounds

					Ovalue	
30) Naphthalene	10.37	128	205934	5.189	ng/ul	98
36) 2-Methylnaphthalene	12.00	142	41774	1.451	ng/ul	98
37) 1-Methylnaphthalene	12.22	142	30758	1.078	ng/ul	98
52) Acenaphthene	14.26	153	114269	3.680	ng/ul	99
56) Dibenzofuran	14.60	168	113887	2.678	ng/ul	96
61) Fluorene	15.25	166	127881	3.518	ng/ul	99
72) Phenanthrene	16.99	178	1865769	33.925	ng/ul	100
74) Anthracene	17.07	178	315714	5.615	ng/ul	99
77) Carbazole	17.35	167	153226	2.974	ng/ul	97
80) Fluoranthene	19.01	202	2022666	39.885	ng/ul	98
82) Pyrene	19.37	202	1703378	31.918	ng/ul	99
85) Benzo(a)anthracene	21.12	228	688138	12.985	ng/ul	99
86) Bis(2-ethylhexyl)phthalate	21.06	149	36817	1.126	ng/ul#	69
87) Chrysene	21.17	228	651716	12.347	ng/ul	97
90) Benzo(b)fluoranthene	22.64	252	633812	13.910	ng/ul#	95
91) Benzo(k)fluoranthene	22.69	252	187997m	3.924	ng/ul	
93) Benzo(a)pyrene	23.19	252	413450	9.991	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	25.43	276	237060	4.733	ng/ul	96
95) Dibenzo(a,h)anthracene	25.43	278	64777	1.526	ng/ul#	90
96) Benzo(a,h,i)perylene	26.09	276	187969	4.632	ng/ul	93

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Quant Title : SVOA CALIBRATION
QLast Update : Tue May 11 05:09:24 2021
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

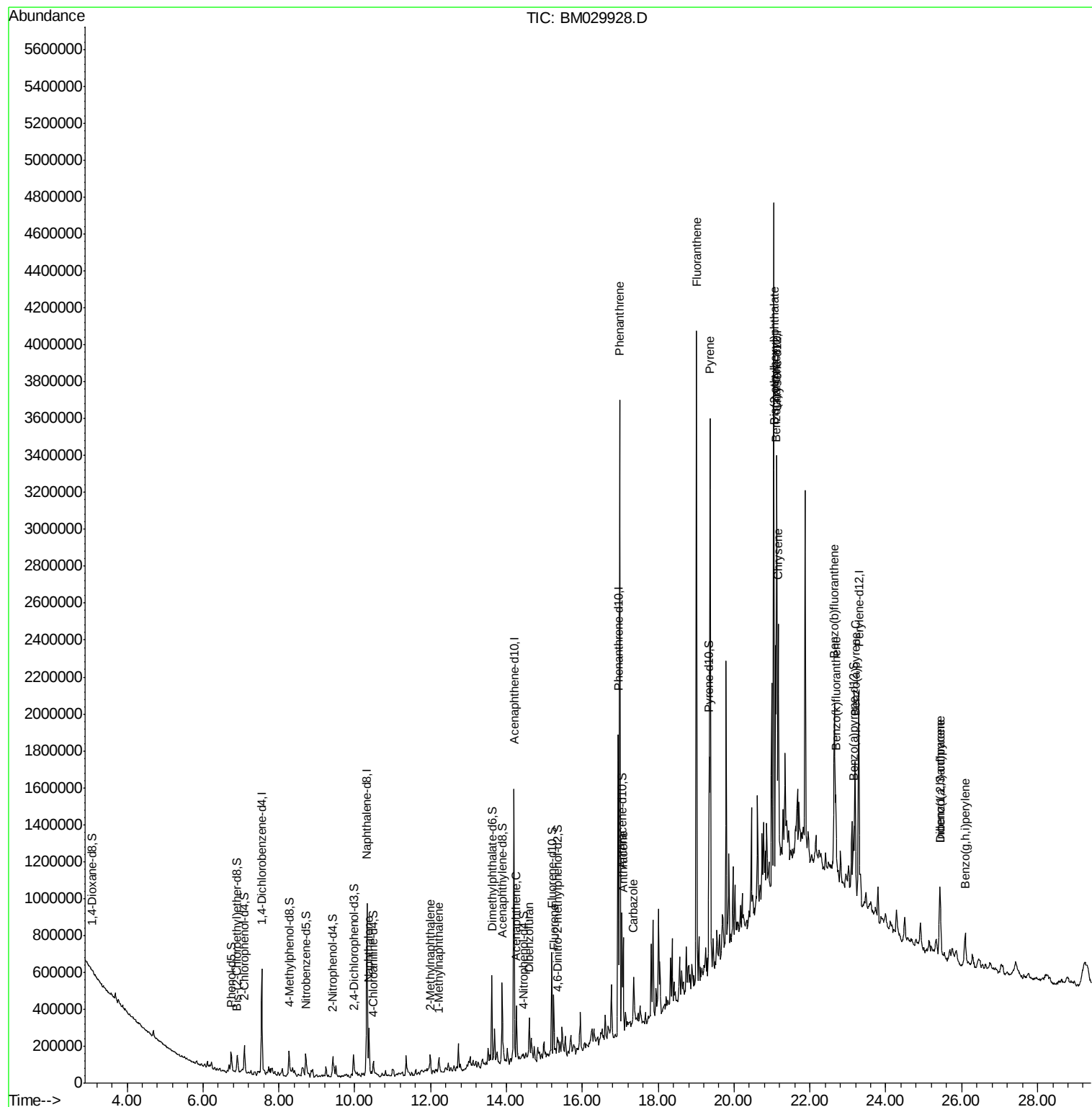
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051021\
Data File : BM029928.D
Acq On : 11 May 2021 05:48
Operator : CG/JU
Sample : M2177-22
Misc :
ALS Vial : 27 Sample Multiplier: 1

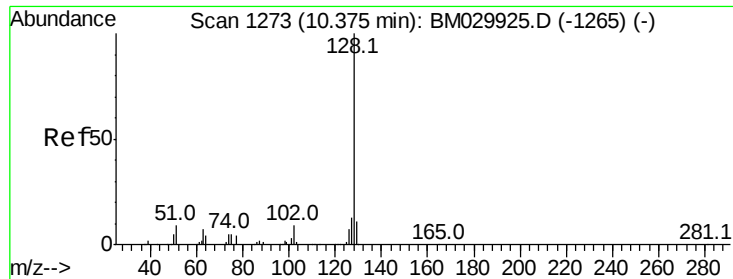
Instrument :
BNA_M
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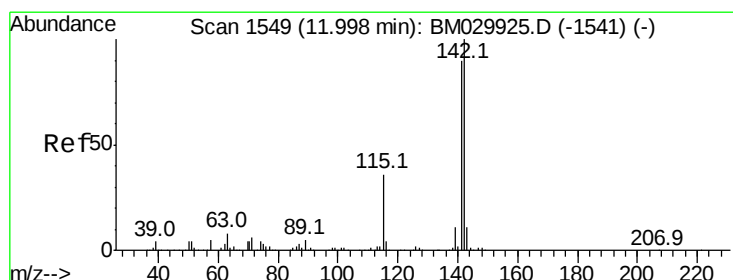
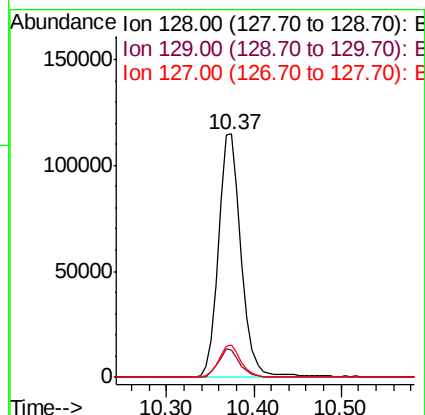
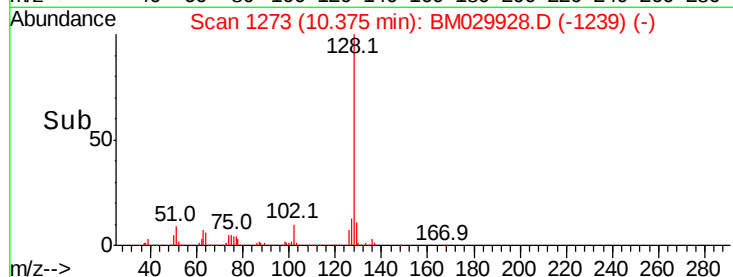
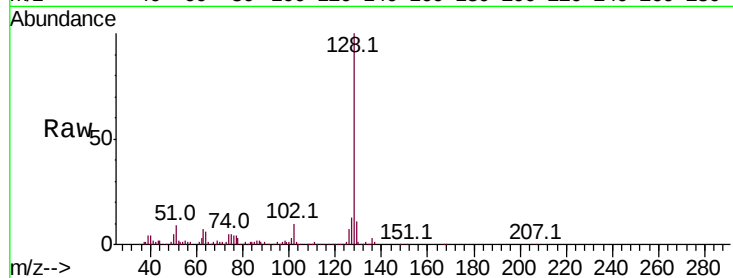
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Naphthalene
Concen: 5.189 ng/ul
RT: 10.37 min Scan# 1273
Delta R.T. 0.00 min
Lab File: BM029928.D
Acq: 11 May 2021 05:48

Instrument :
BNA_M
ClientSampleId :
BG592

Tot Ion:128	Resp:	205934
Ion Ratio	Lower	Upper
128 100		
129 11.3	8.5	12.7
127 13.5	10.4	15.6

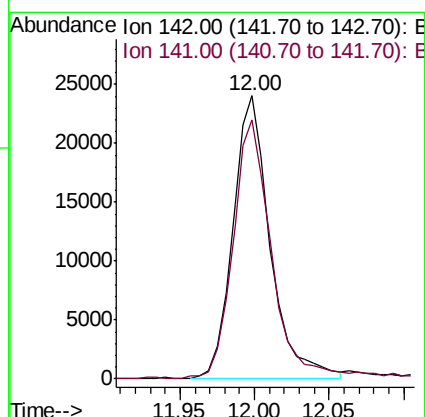
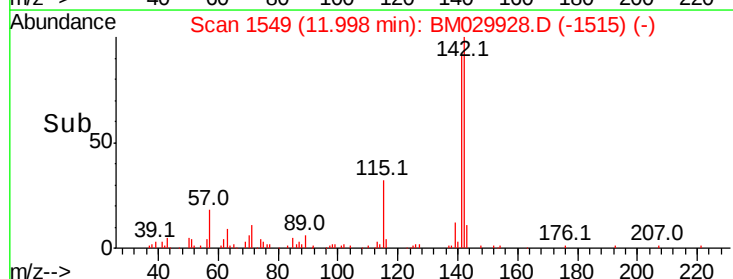
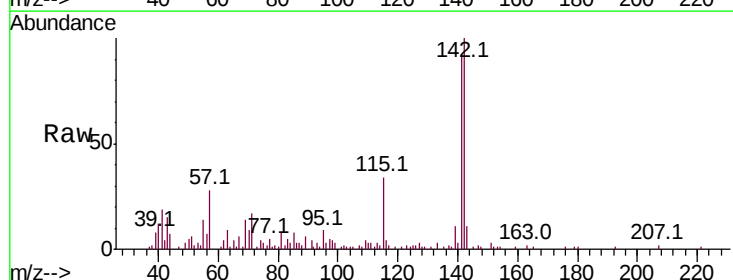
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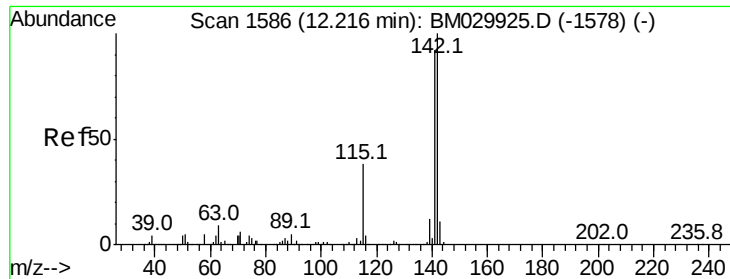
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#36
2-Methylnaphthalene
Concen: 1.451 ng/ul
RT: 12.00 min Scan# 1549
Delta R.T. 0.00 min
Lab File: BM029928.D
Acq: 11 May 2021 05:48

Tgt Ion:142	Resp:	41774
Ion Ratio	Lower	Upper
142 100		
141 91.7	72.1	108.1





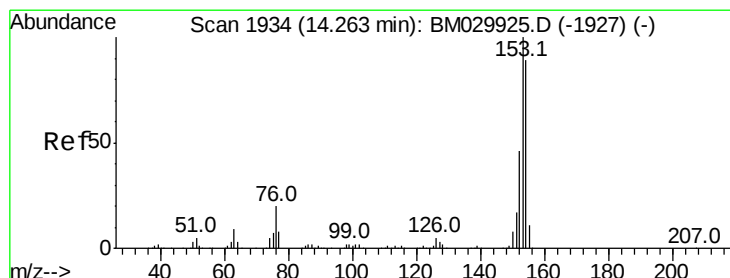
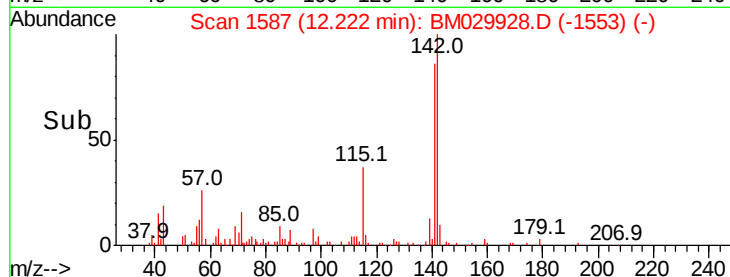
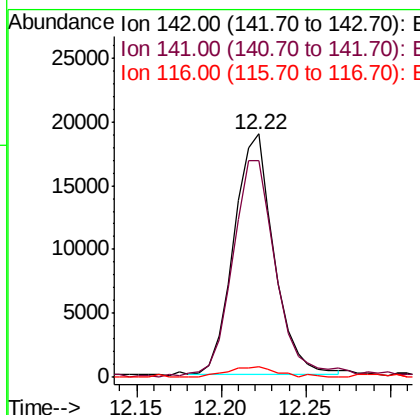
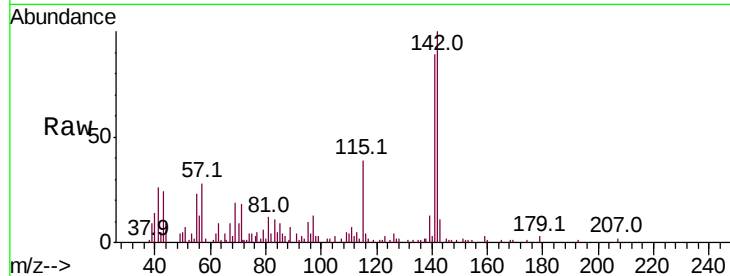
#37
 1-Methylnaphthalene
 Concen: 1.078 ng/ul
 RT: 12.22 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: BM029928.D
 Acq: 11 May 2021 05:48

Instrument :
 BNA_M
 ClientSampleID :
 BG592

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.9	72.9	109.3
116	4.4	3.0	4.6

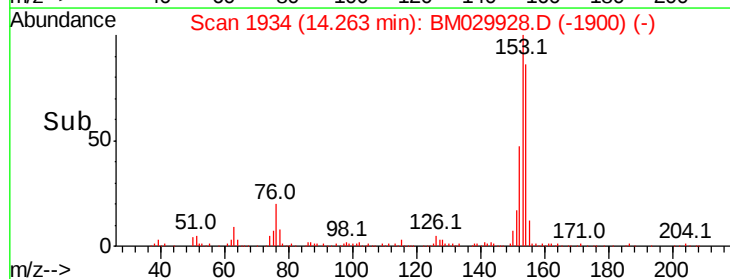
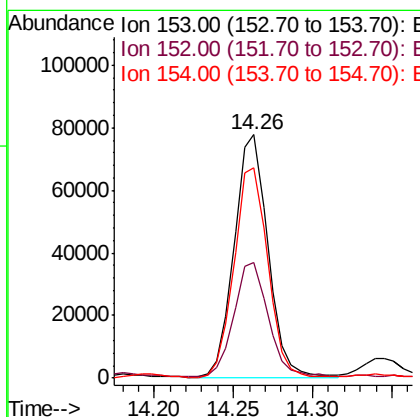
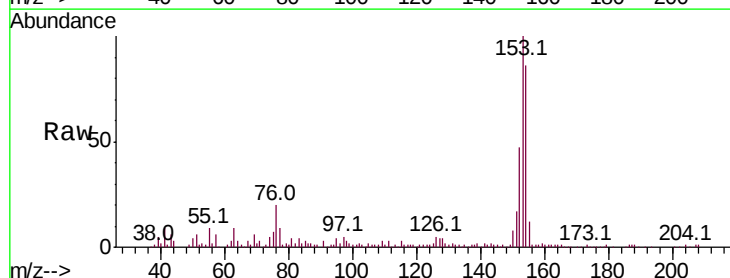
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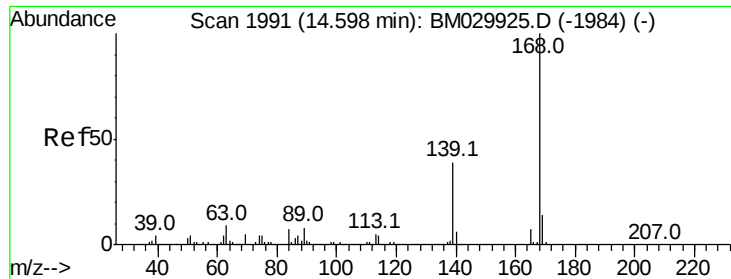
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#52
 Acenaphthene
 Concen: 3.680 ng/ul
 RT: 14.26 min Scan# 1934
 Delta R.T. 0.00 min
 Lab File: BM029928.D
 Acq: 11 May 2021 05:48

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.5	37.7	56.5
154	86.4	70.2	105.4





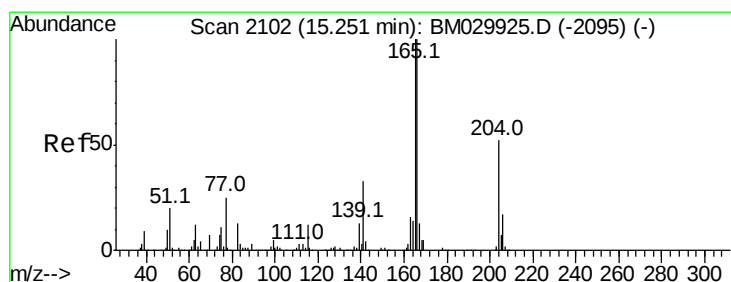
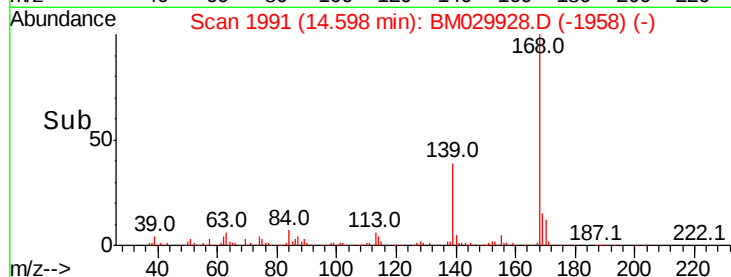
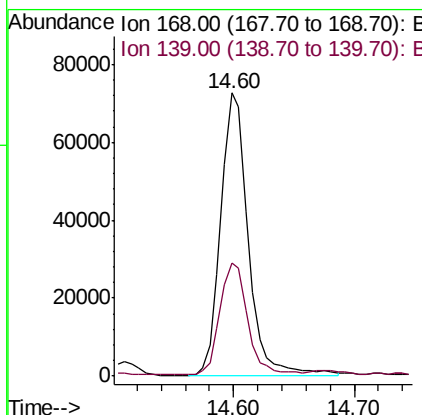
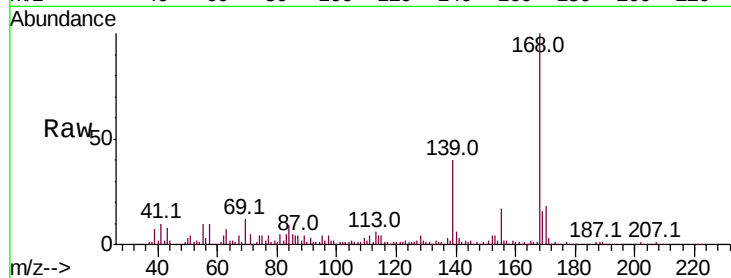
#56
Dibenzenofuran
Concen: 2.678 ng/ul
RT: 14.60 min Scan# 1991
Delta R.T. -0.01 min
Lab File: BM029928.D
Acq: 11 May 2021 05:48

Instrument :
BNA_M
ClientSampleId :
BG592

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.8	29.8	44.6

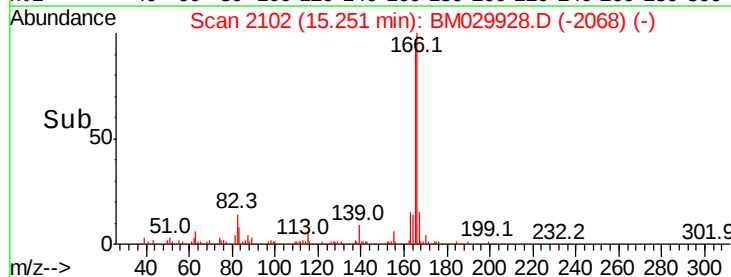
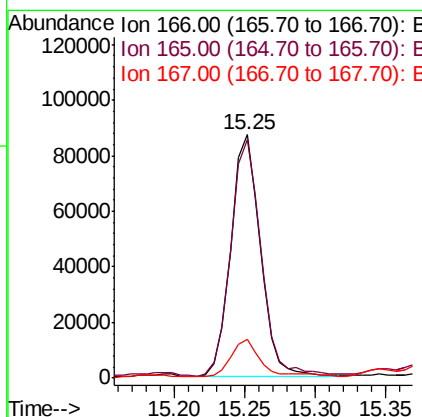
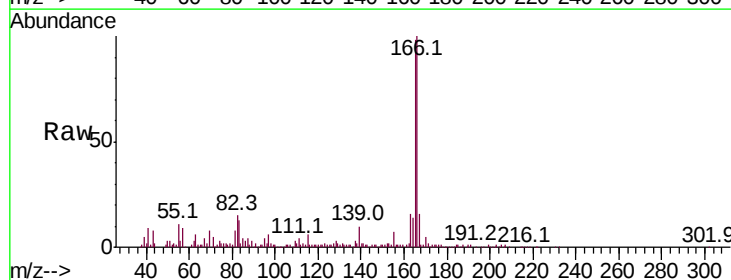
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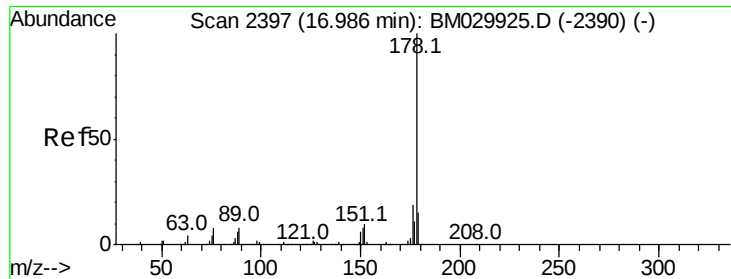
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#61
Fluorene
Concen: 3.518 ng/ul
RT: 15.25 min Scan# 2102
Delta R.T. 0.00 min
Lab File: BM029928.D
Acq: 11 May 2021 05:48

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.4	117.6
167	15.8	10.9	16.3





#72

Phenanthrene

Concen: 33.925 ng/ul

RT: 16.99 min Scan# 2397

Delta R.T. 0.00 min

Lab File: BM029928.D

Acq: 11 May 2021 05:48

Instrument :

BNA_M

ClientSampleId :

BG592

Tot Ion:178 Resp: 1865769

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.4

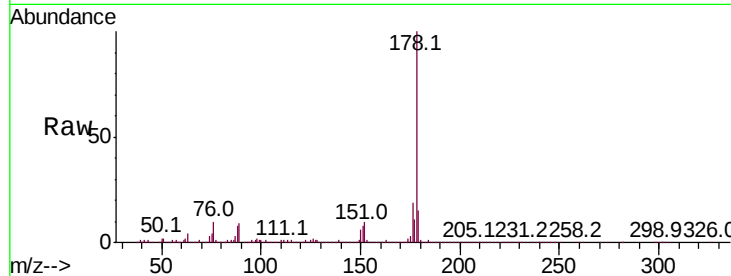
176 18.8 15.0 22.4

Manual Integrations

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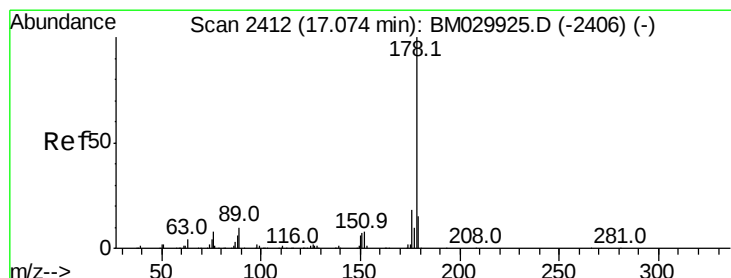
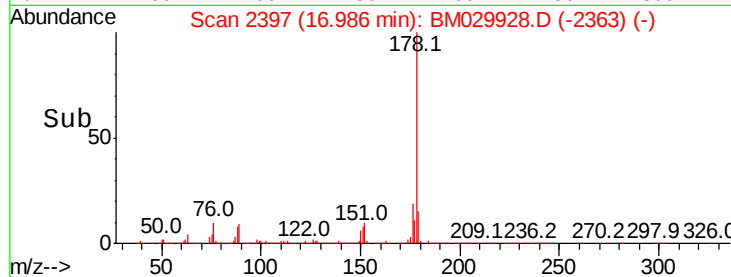
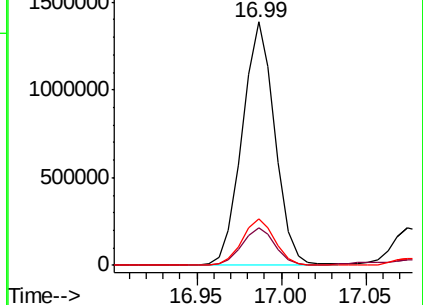
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#74

Anthracene

Concen: 5.615 ng/ul

RT: 17.07 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BM029928.D

Acq: 11 May 2021 05:48

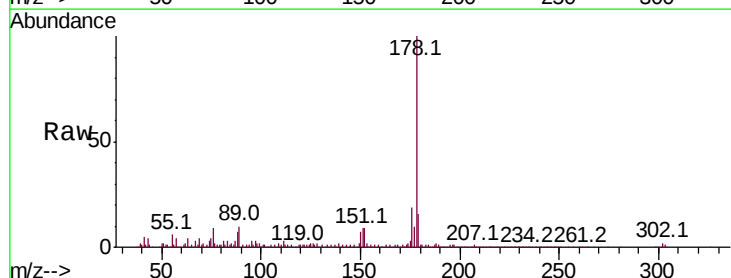
Tgt Ion:178 Resp: 315714

Ion Ratio Lower Upper

178 100

179 15.9 12.2 18.2

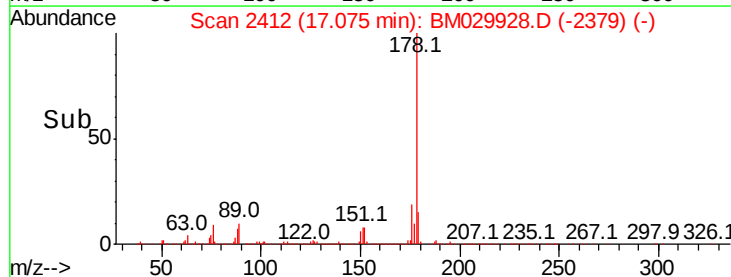
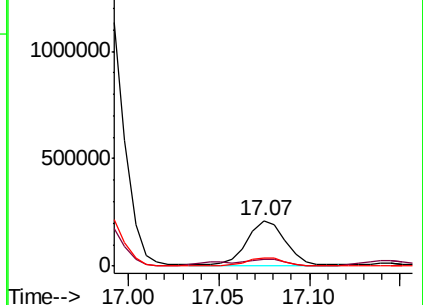
176 18.8 14.9 22.3

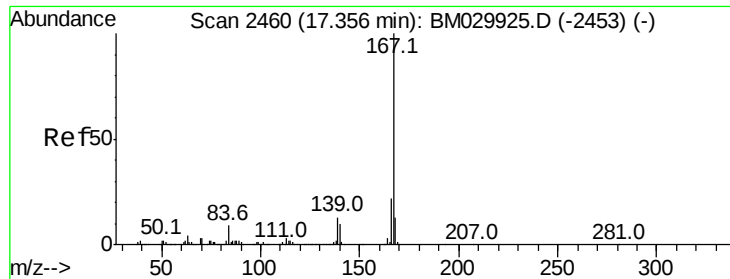


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





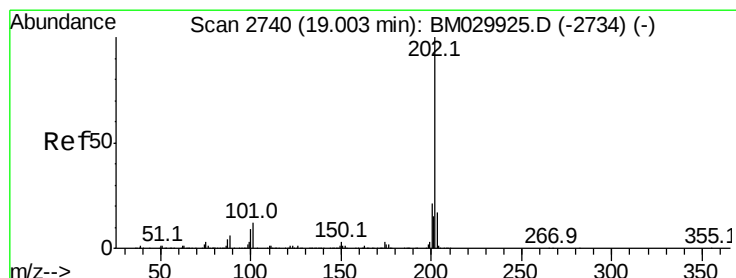
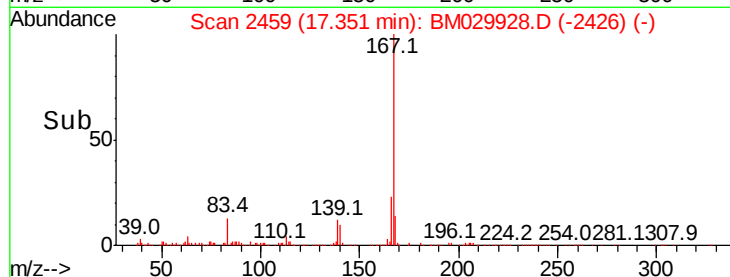
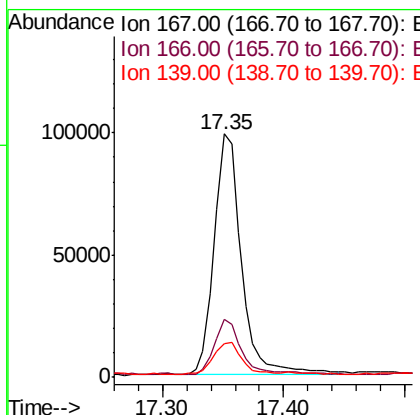
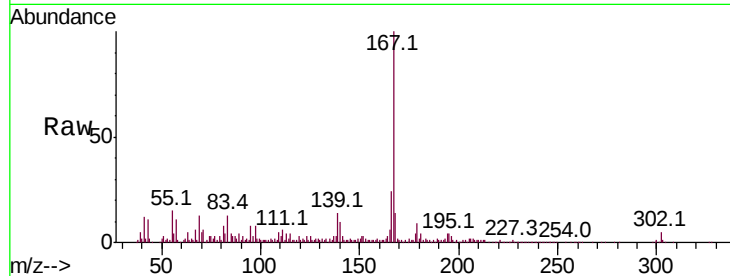
#77
 Carbazole
 Concen: 2.974 ng/ul
 RT: 17.35 min Scan# 2459
 Delta R.T. -0.01 min
 Lab File: BM029928.D
 Acq: 11 May 2021 05:48

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Tot Ion	Ratio	Resp	Lower	Upper
167	100			
166	23.7	17.6	26.4	
139	13.7	10.2	15.2	

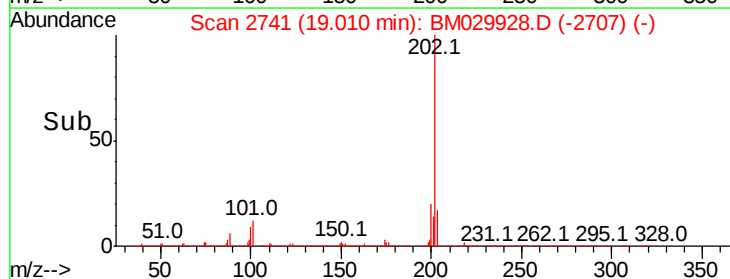
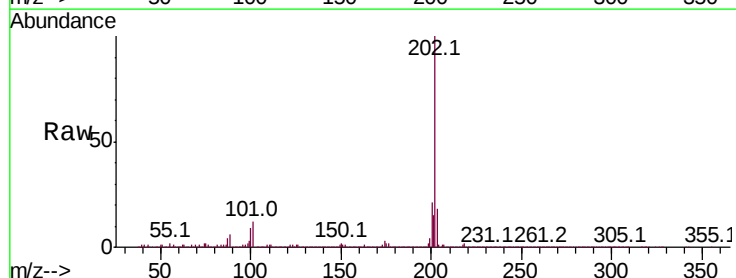
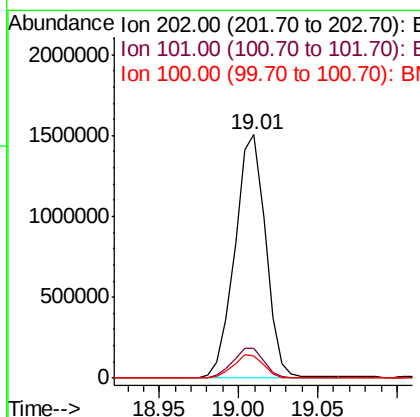
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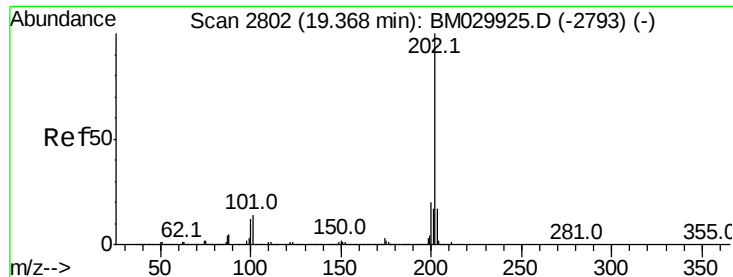
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#80
 Fluoranthene
 Concen: 39.885 ng/ul
 RT: 19.01 min Scan# 2741
 Delta R.T. 0.00 min
 Lab File: BM029928.D
 Acq: 11 May 2021 05:48

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	12.1	9.0	13.4	
100	9.1	7.0	10.6	





#82

Pvrene

Concen: 31.918 ng/ul

RT: 19.37 min Scan# 2802

Delta R.T. -0.01 min

Lab File: BM029928.D

Acq: 11 May 2021 05:48

Instrument :

BNA_M

ClientSampleId :

BG592

Tot Ion:202 Resp: 1703378

Ion Ratio Lower Upper

202 100

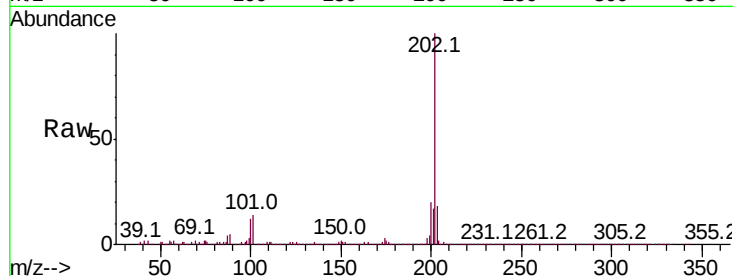
101 14.3 11.8 17.6

100 12.0 9.2 13.8

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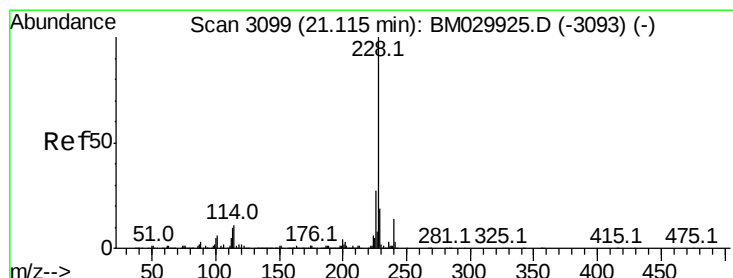
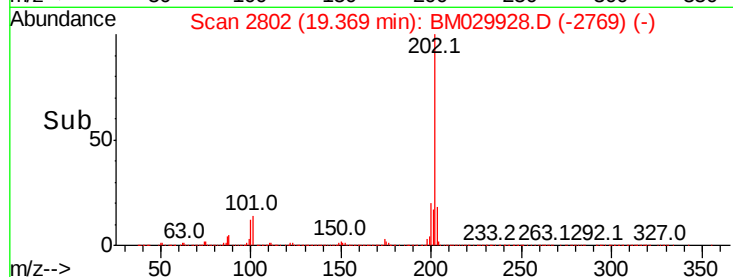
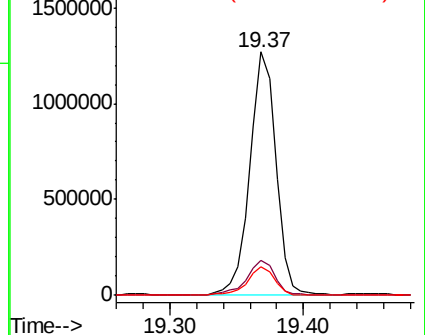
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#85

Benzo(a)anthracene

Concen: 12.985 ng/ul

RT: 21.12 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM029928.D

Acq: 11 May 2021 05:48

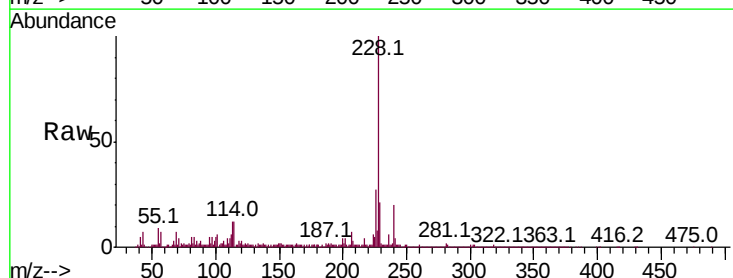
Tgt Ion:228 Resp: 688138

Ion Ratio Lower Upper

228 100

229 20.5 15.9 23.9

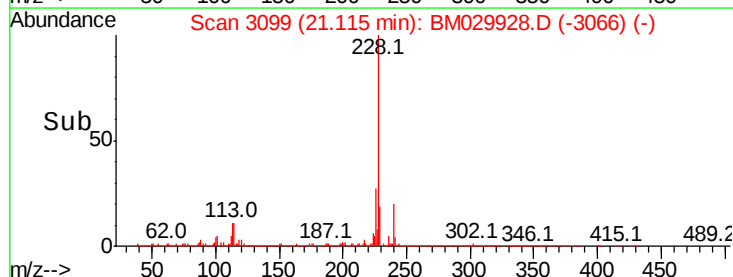
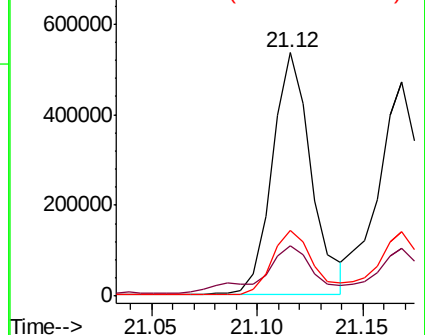
226 27.1 21.4 32.0

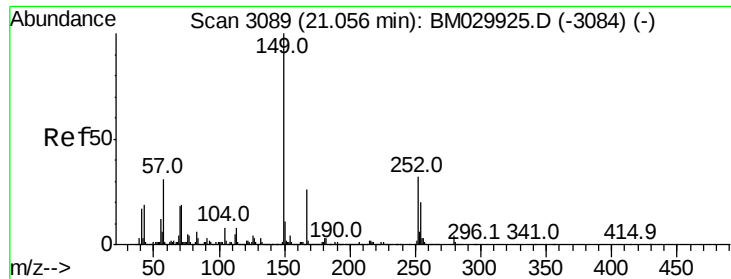


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





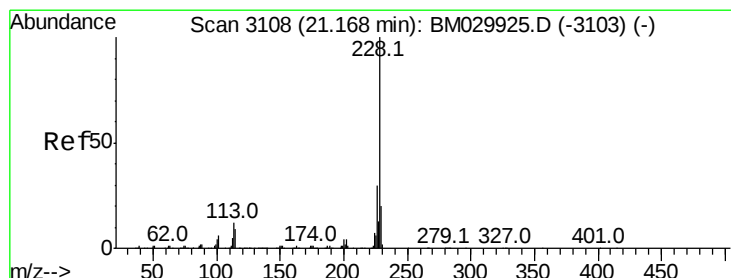
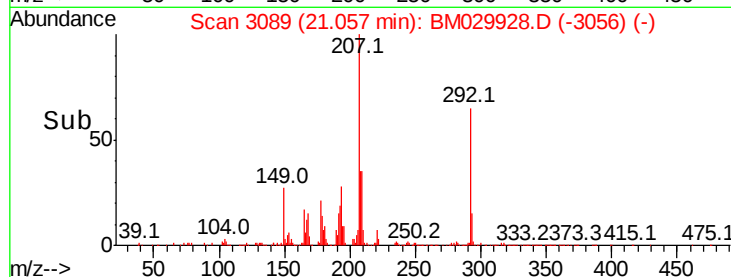
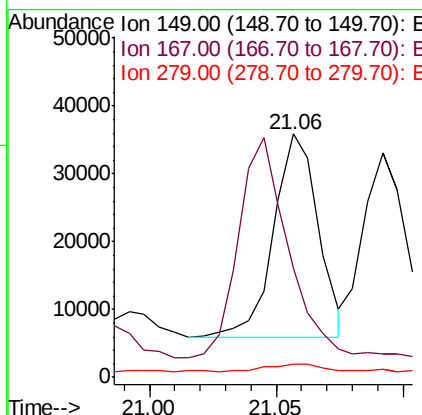
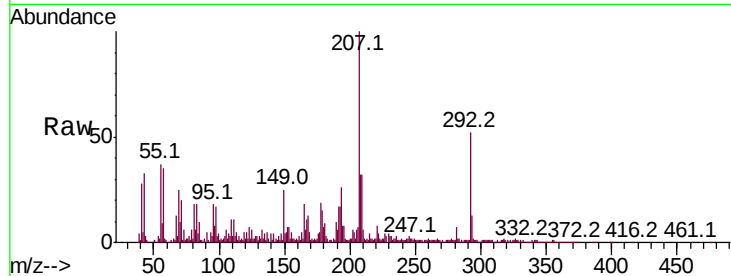
#86
 Bis(2-ethylhexyl)phthalate
 Concen: 1.126 ng/ul
 RT: 21.06 min Scan# 3089
 Delta R.T. -0.01 min
 Lab File: BM029928.D
 Acq: 11 May 2021 05:48

Instrument :
 BNA_M
 ClientSampled :
 BG592

Tot Ion	Ratio	Lower	Upper
149	100		
167	44.7	21.1	31.7#
279	5.5	3.5	5.3#

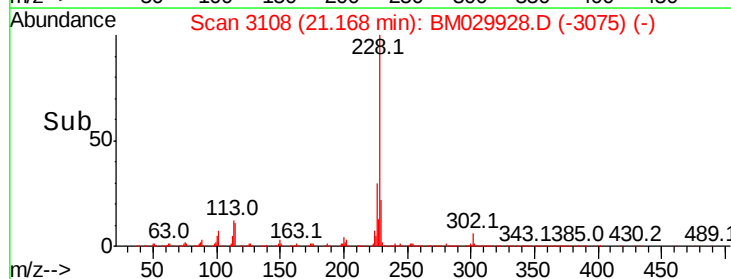
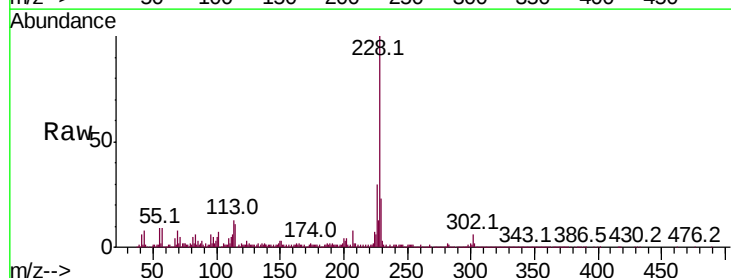
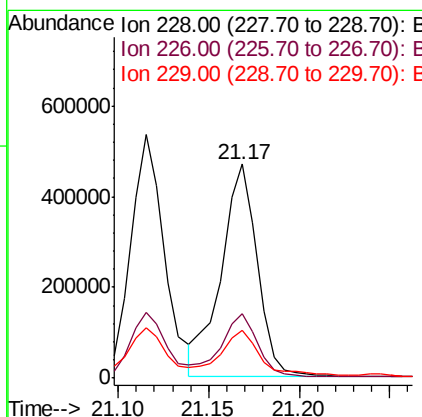
Manual Integrations
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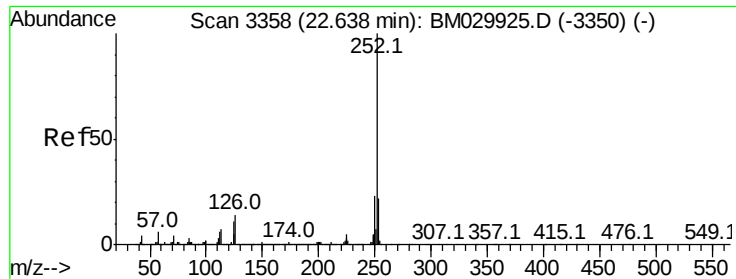
mohammad
 5/11/2021 2:33:42 PM



#87
 Chrysene
 Concen: 12.347 ng/ul
 RT: 21.17 min Scan# 3108
 Delta R.T. -0.01 min
 Lab File: BM029928.D
 Acq: 11 May 2021 05:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.9	35.9
229	22.6	15.6	23.4





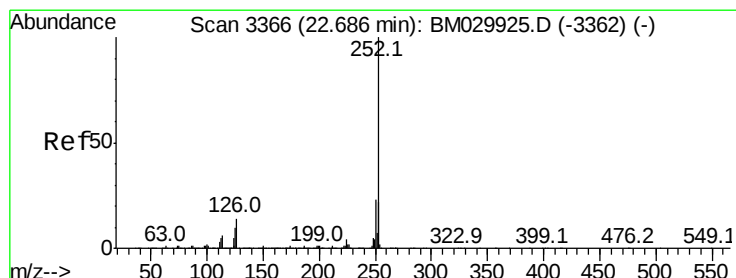
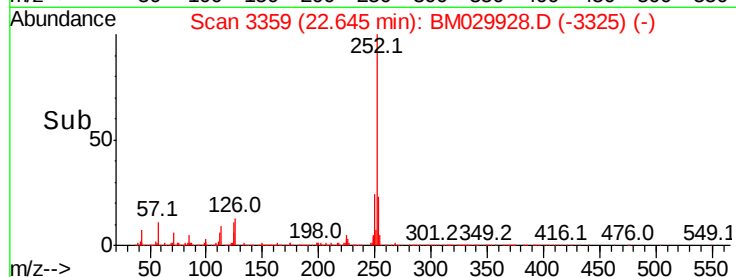
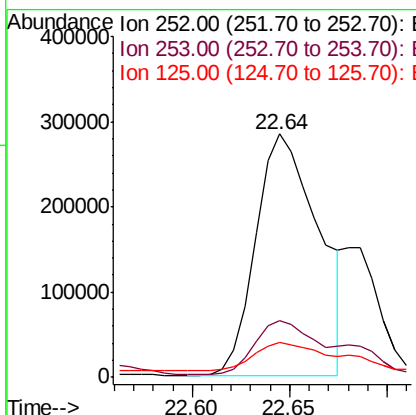
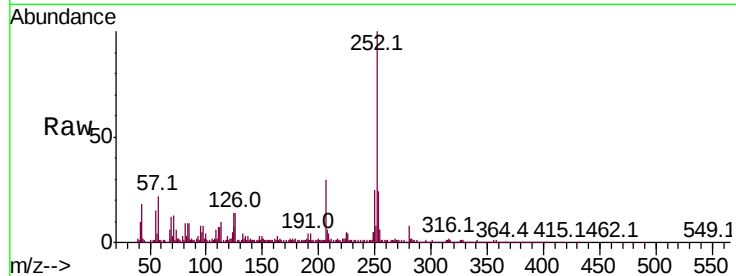
#90
Benzo(b)fluoranthene
Concen: 13.910 ng/ul
RT: 22.64 min Scan# 3359
Delta R.T. 0.00 min
Lab File: BM029928.D
Acq: 11 May 2021 05:48

Instrument :
BNA_M
ClientSampled :
BG592

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.5	17.4	26.2
125	14.1	8.6	12.8

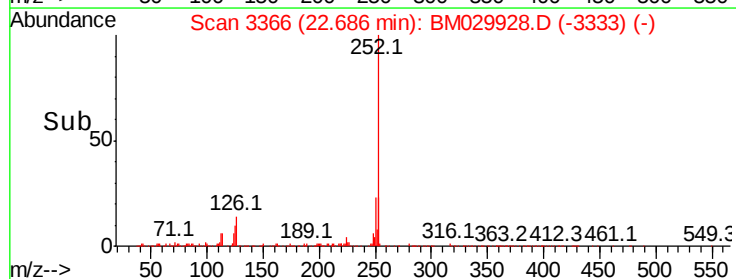
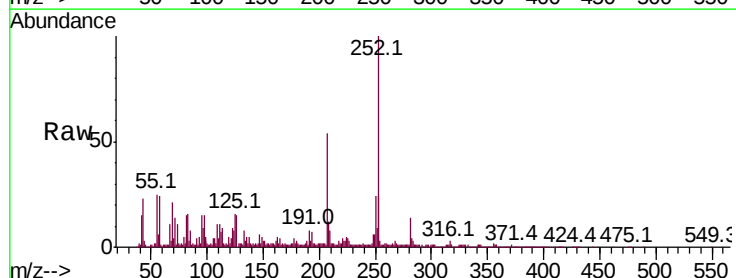
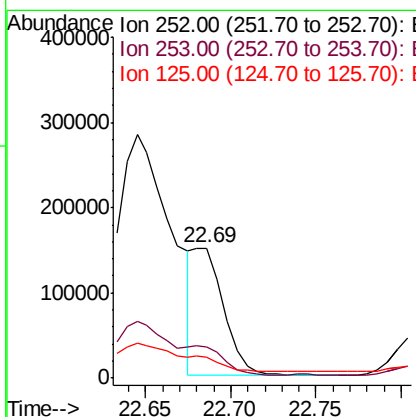
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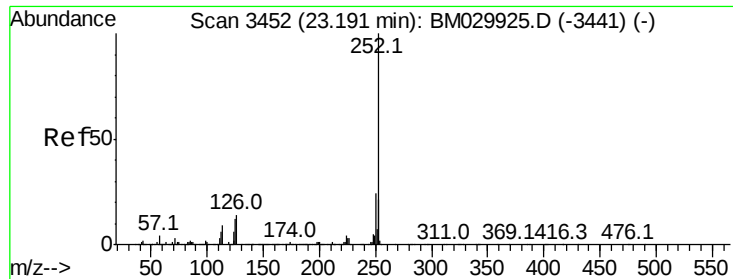
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#91
Benzo(k)fluoranthene
Concen: 3.924 ng/ul m
RT: 22.69 min Scan# 3366
Delta R.T. -0.01 min
Lab File: BM029928.D
Acq: 11 May 2021 05:48

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.3	17.8	26.8
125	15.8	8.4	12.6





#93

Benzo(a)pyrene

Concen: 9.991 ng/ul

RT: 23.19 min Scan# 3452

Delta R.T. -0.01 min

Lab File: BM029928.D

Acq: 11 May 2021 05:48

Instrument :

BNA_M

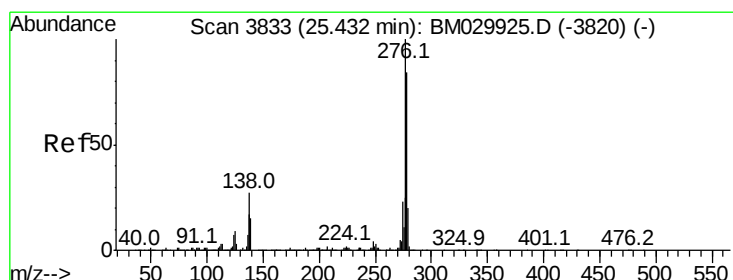
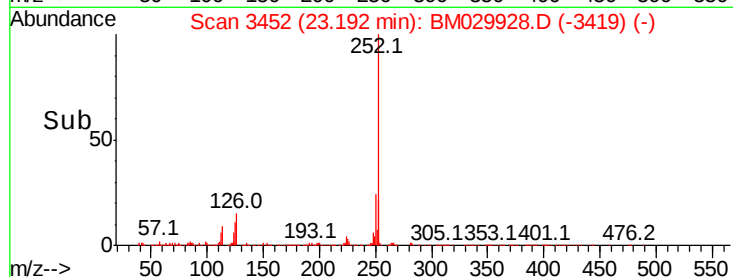
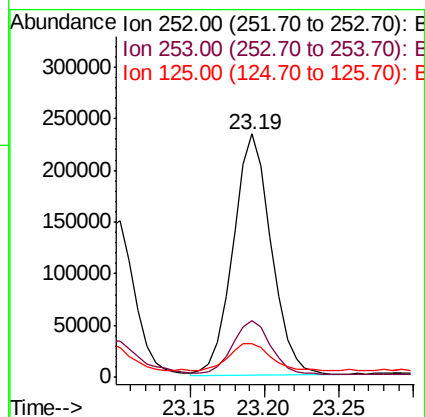
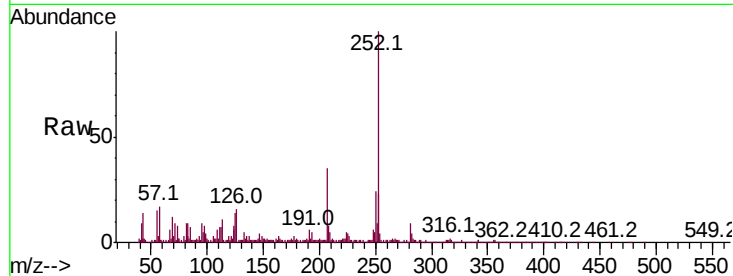
ClientSampleId :

BG592

Tot Ion:	252	Resp:	413450
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.9	26.9
125	13.8	9.6	14.4

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#94

Indeno(1,2,3-cd)pyrene

Concen: 4.733 ng/ul

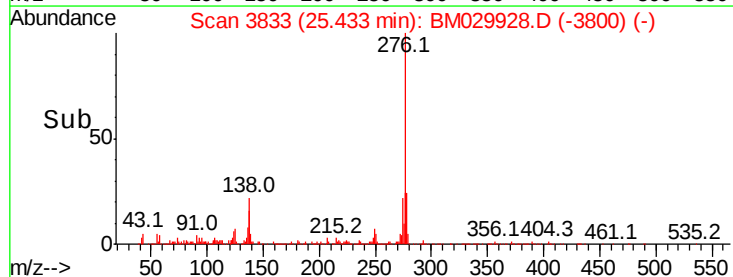
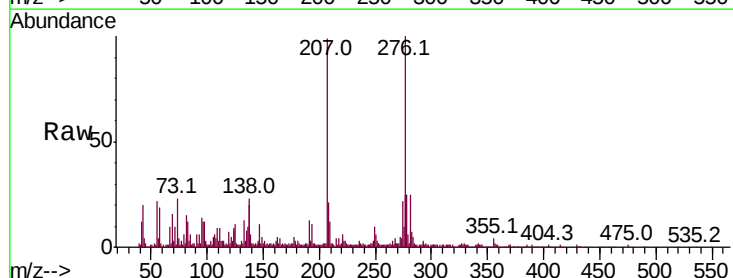
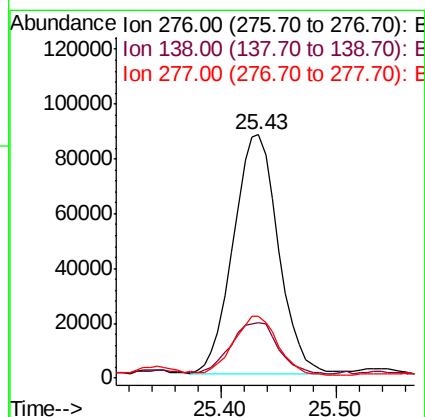
RT: 25.43 min Scan# 3833

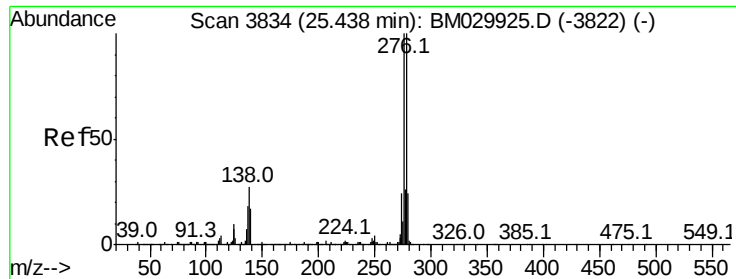
Delta R.T. -0.01 min

Lab File: BM029928.D

Acq: 11 May 2021 05:48

Tgt Ion:	276	Resp:	237060
Ion Ratio	Lower	Upper	
276	100		
138	22.9	21.1	31.7
277	25.3	20.3	30.5





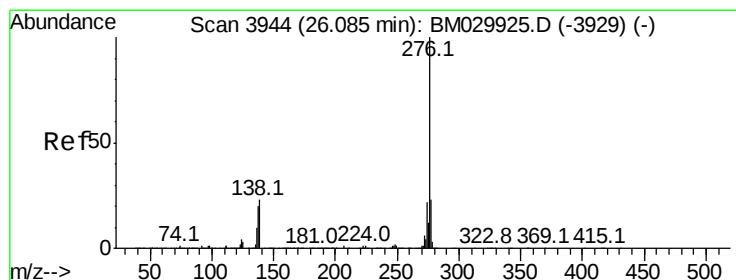
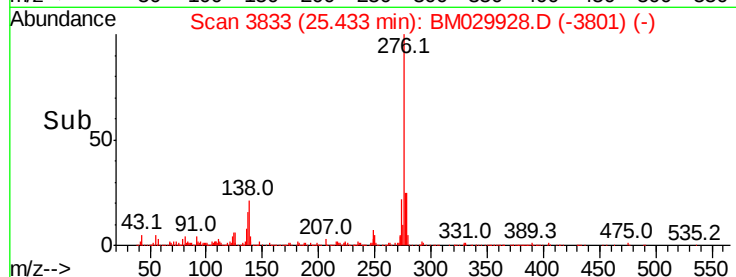
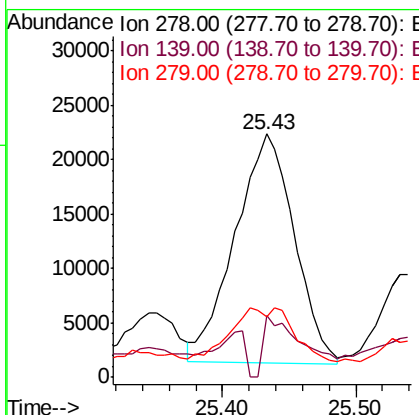
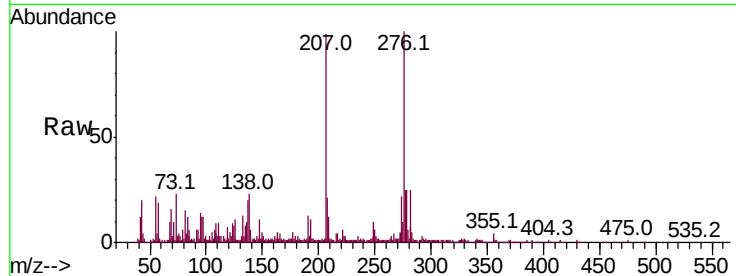
#95
Dibenzo(a,h)anthracene
Concen: 1.526 ng/ul
RT: 25.43 min Scan# 3833
Delta R.T. -0.01 min
Lab File: BM029928.D
Acq: 11 May 2021 05:48

Instrument :
BNA_M
ClientSampleId :
BG592

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.3	13.5	20.3#
279	25.1	18.6	28.0

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#96
Benzo(g,h,i)perylene
Concen: 4.632 ng/ul
RT: 26.09 min Scan# 3944
Delta R.T. -0.01 min
Lab File: BM029928.D
Acq: 11 May 2021 05:48

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.1	17.8	26.8
277	25.7	18.5	27.7

