

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101921\
 Data File : BM032587.D
 Acq On : 19 Oct 2021 16:59
 Operator : CG/JU
 Sample : M4181-15DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AZ3DL

Manual Integrations
 APPROVED

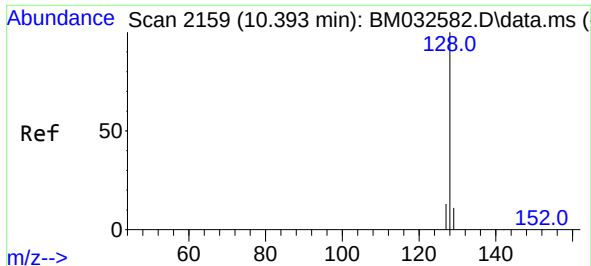
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Quant Time: Oct 19 17:30:05 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM101421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 19 15:20:30 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.560	152	5831	0.40	ng/ul	0.00
4) Naphthalene-d8	10.344	136	18495	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.213	164	8753	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.950	188	15490	0.40	ng/ul	# 0.00
17) Chrysene-d12	21.123	240	11087	0.40	ng/ul	0.00
23) Perylene-d12	23.266	264	10687	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.927	96	4804	0.74	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.940	152	849	0.03	ng/ul	0.00
18) Fluoranthene-d10	18.973	212	1269	0.04	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.393	128	29562	0.53	ng/ul	99
7) 2-Methylnaphthalene	12.012	142	23036	0.63	ng/ul	99
8) 1-Methylnaphthalene	12.237	142	17808	0.49	ng/ul	99
10) Acenaphthylene	13.933	152	13878	0.37	ng/ul	100
11) Acenaphthene	14.278	153	829	0.02	ng/ul#	90
12) Fluorene	15.263	166	1344	0.04	ng/ul#	75
14) Pentachlorophenol	16.620	266	88	0.02	ng/ul	92
15) Phenanthrene	16.988	178	22640	0.43	ng/ul	99
16) Anthracene	17.078	178	16657	0.36	ng/ul	99
19) Fluoranthene	19.000	202	44093	0.80	ng/ul	98
20) Pyrene	19.366	202	24667	0.44	ng/ul	98
21) Benzo(a)anthracene	21.108	228	31304	0.72	ng/ul	95
22) Chrysene	21.159	228	48990	1.03	ng/ul	98
24) Benzo(b)fluoranthene	22.629	252	94117m	1.91	ng/ul	
25) Benzo(k)fluoranthene	22.668	252	36930m	0.75	ng/ul	
26) Benzo(a)pyrene	23.172	252	9701	0.23	ng/ul#	86
27) Indeno(1,2,3-cd)pyrene	25.379	276	19072	0.38	ng/ul#	99
28) Dibenzo(a,h)anthracene	25.374	278	13316	0.33	ng/ul	95

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



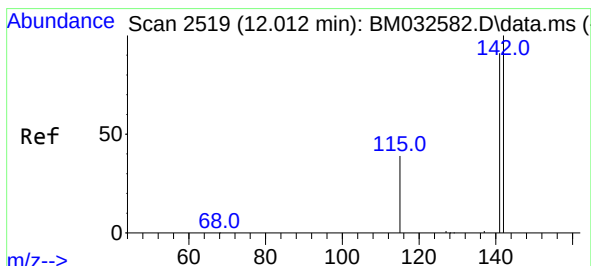
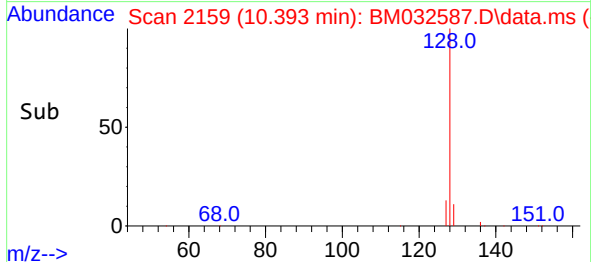
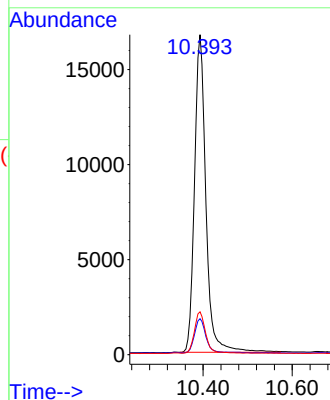
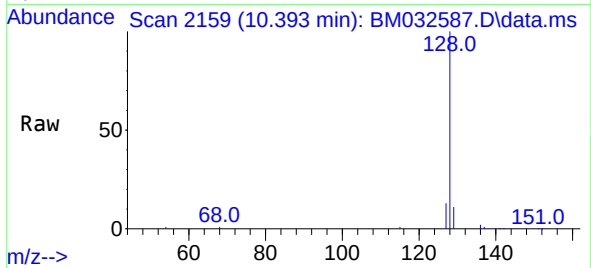
#5
Naphthalene
Concen: 0.53 ng/ul
RT: 10.393 min Scan# 2159
Delta R.T. -0.000 min
Lab File: BM032587.D
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Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.1	13.7
127	13.4	11.1	16.7

Instrument :
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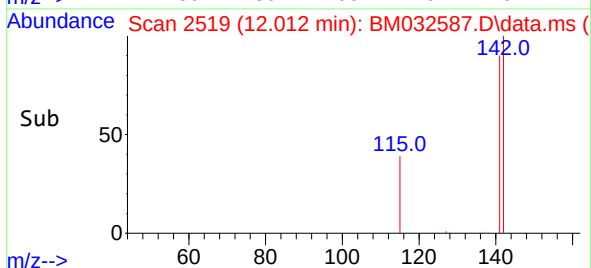
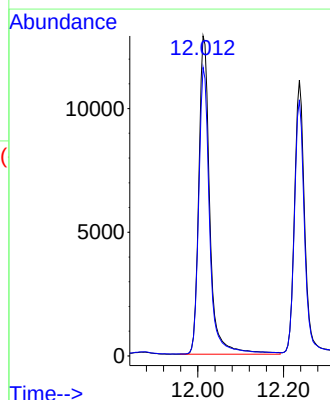
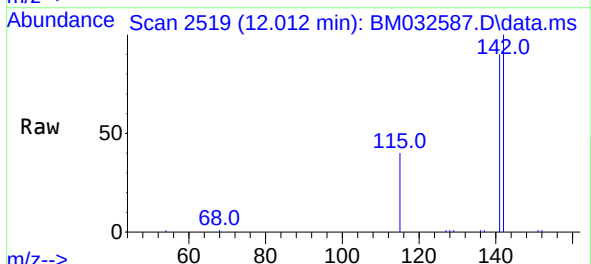
Manual Integrations
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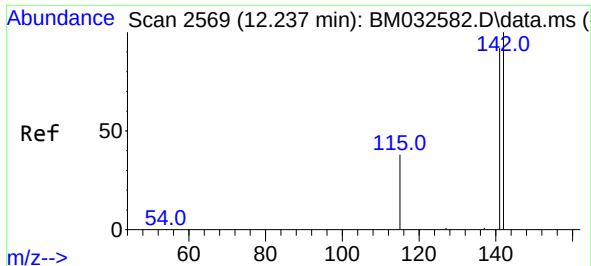
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#7
2-Methylnaphthalene
Concen: 0.63 ng/ul
RT: 12.012 min Scan# 2519
Delta R.T. -0.000 min
Lab File: BM032587.D
Acq: 19 Oct 2021 16:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.2	72.2	108.2





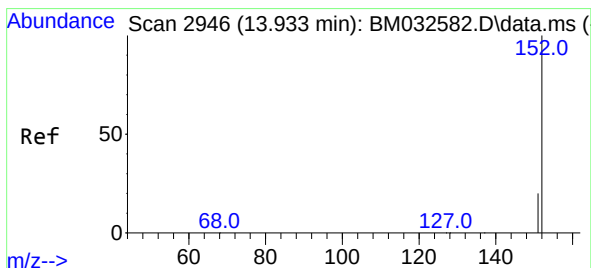
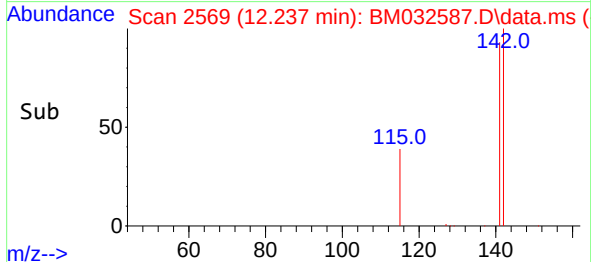
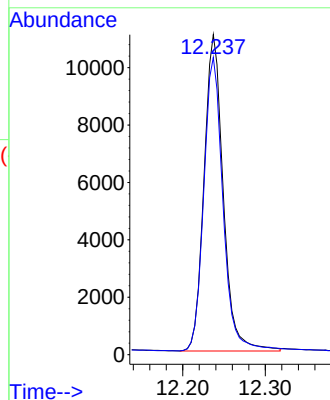
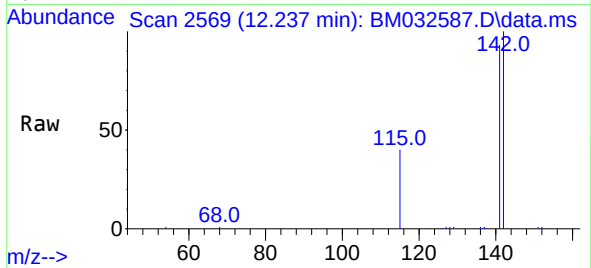
#8
1-Methylnaphthalene
Concen: 0.49 ng/ul
RT: 12.237 min Scan# 2569
Delta R.T. -0.000 min
Lab File: BM032587.D
Acq: 19 Oct 2021 16:59

Tgt Ion:142 Resp: 17808
Ion Ratio Lower Upper
142 100
141 93.0 74.9 112.3

Instrument :
BNA_M
ClientSampleId :
C0AZ3DL

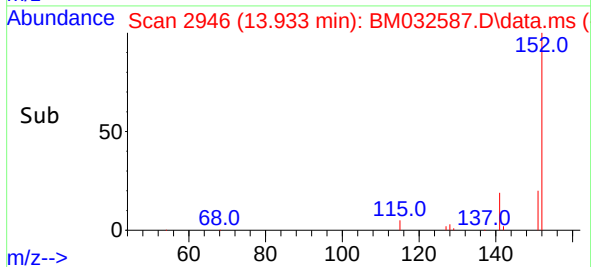
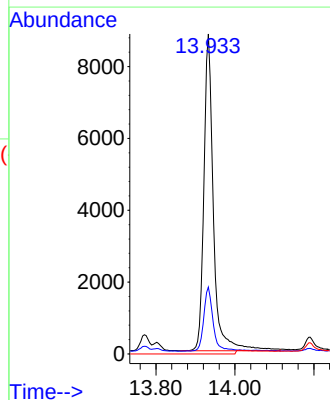
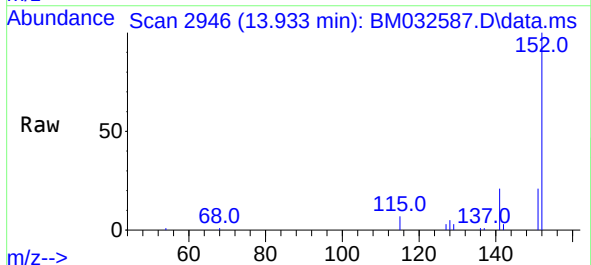
Manual Integrations
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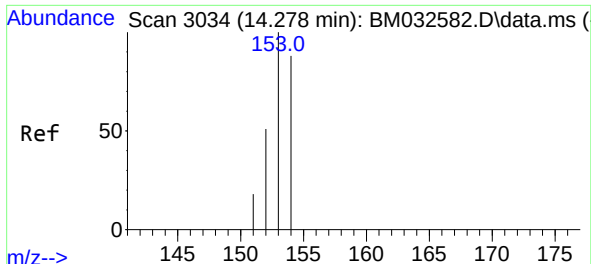
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#10
Acenaphthylene
Concen: 0.37 ng/ul
RT: 13.933 min Scan# 2946
Delta R.T. -0.000 min
Lab File: BM032587.D
Acq: 19 Oct 2021 16:59

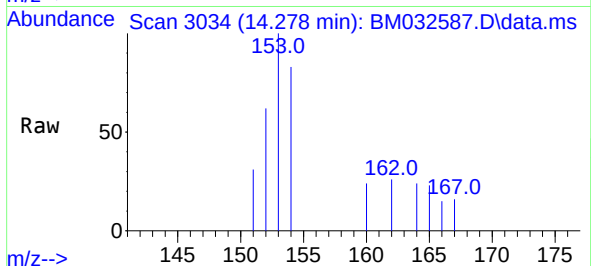
Tgt Ion:152 Resp: 13878
Ion Ratio Lower Upper
152 100
151 20.9 16.7 25.1
153 0.0 0.0 0.0





#11
Acenaphthene
Concen: 0.02 ng/ul
RT: 14.278 min Scan# 3034
Delta R.T. -0.000 min
Lab File: BM032587.D
Acq: 19 Oct 2021 16:59

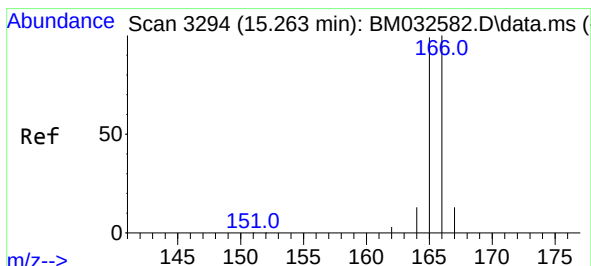
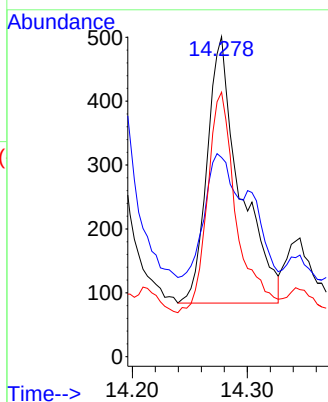
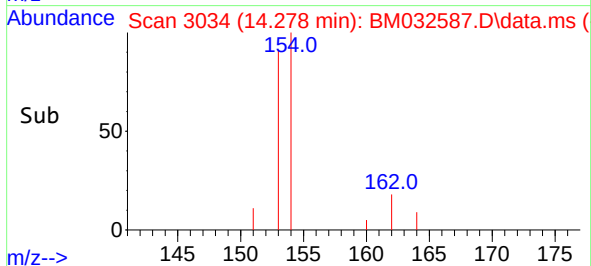
Instrument :
BNA_M
ClientSampled :
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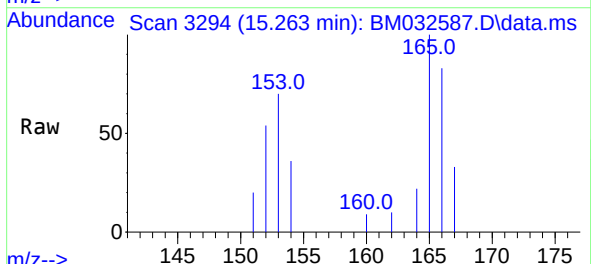
Tgt Ion:153 Resp: 829
Ion Ratio Lower Upper
153 100
152 62.3 40.4 60.6#
154 82.6 70.8 106.2

Manual Integrations
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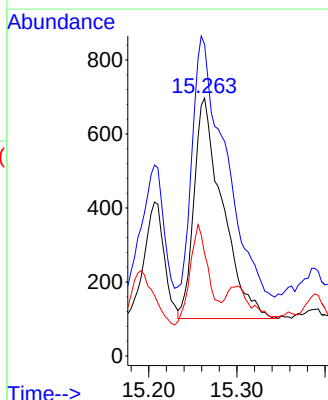
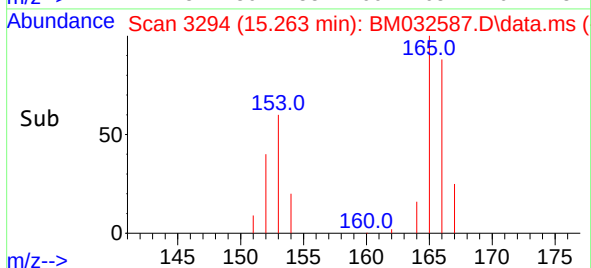
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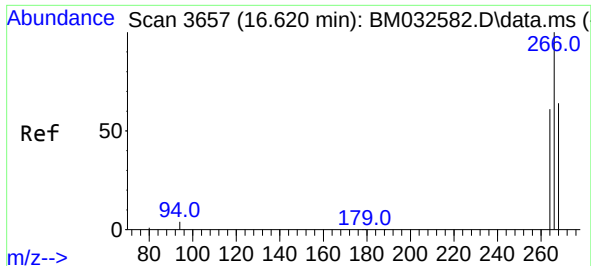


#12
Fluorene
Concen: 0.04 ng/ul
RT: 15.263 min Scan# 3294
Delta R.T. -0.000 min
Lab File: BM032587.D
Acq: 19 Oct 2021 16:59



Tgt Ion:166 Resp: 1344
Ion Ratio Lower Upper
166 100
165 120.8 80.7 121.1
167 39.6 11.2 16.8#





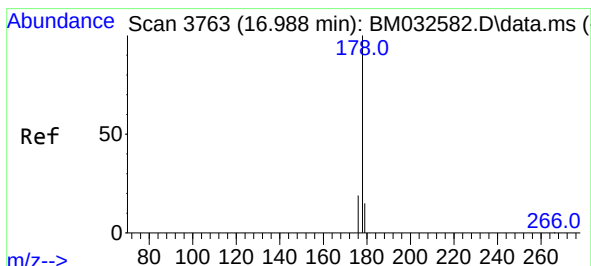
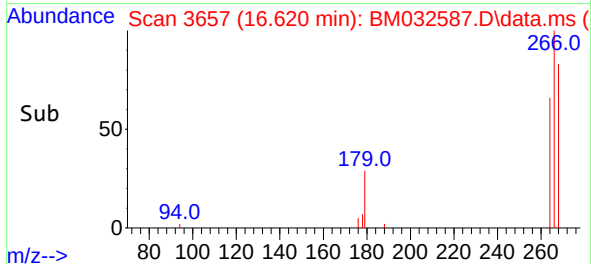
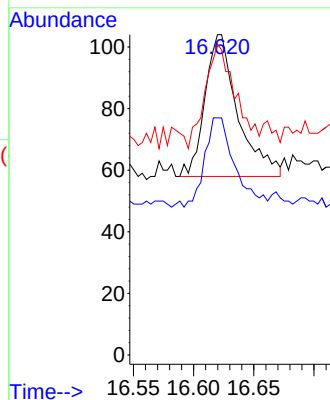
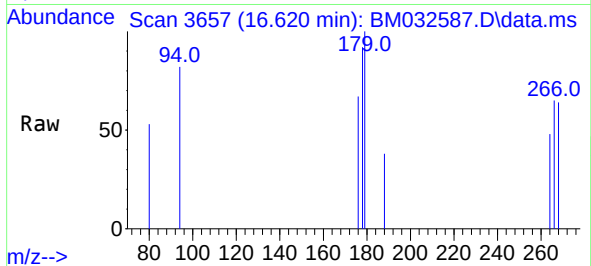
#14
Pentachlorophenol
Concen: 0.02 ng/ul
RT: 16.620 min Scan# 3657
Delta R.T. -0.000 min
Lab File: BM032587.D
Acq: 19 Oct 2021 16:59

Tgt Ion:	266	Resp:	88
Ion	Ratio	Lower	Upper
266	100		
264	56.8	50.8	76.2
268	68.2	50.2	75.2

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C0AZ3DL

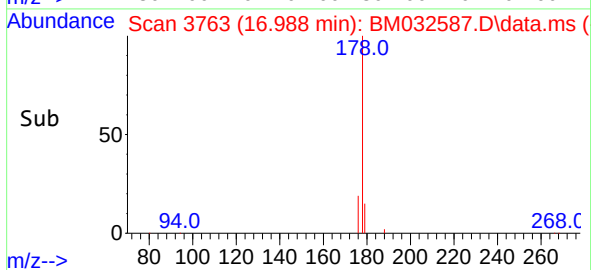
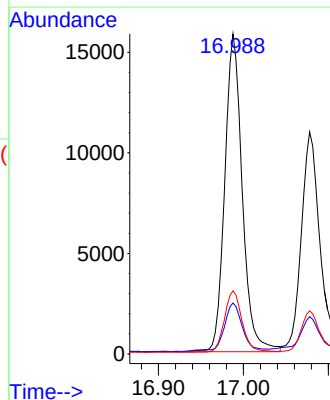
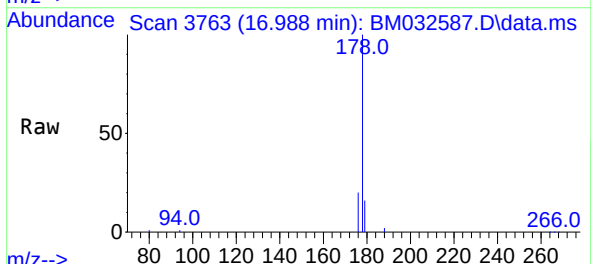
Manual Integrations
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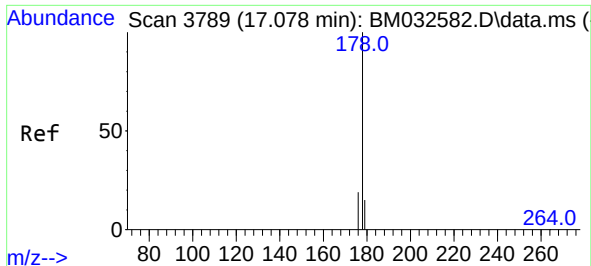
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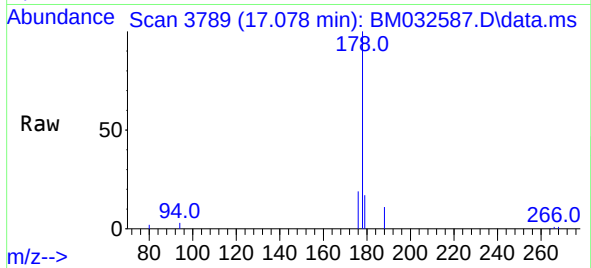
#15
Phenanthrene
Concen: 0.43 ng/ul
RT: 16.988 min Scan# 3763
Delta R.T. -0.000 min
Lab File: BM032587.D
Acq: 19 Oct 2021 16:59

Tgt Ion:	178	Resp:	22640
Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.9	19.3
176	19.8	16.1	24.1



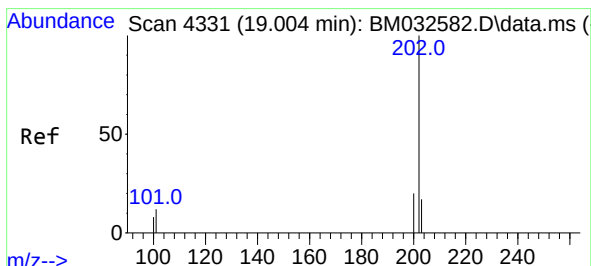
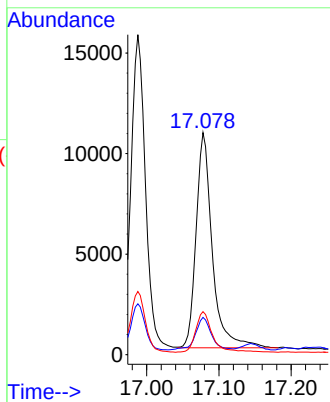
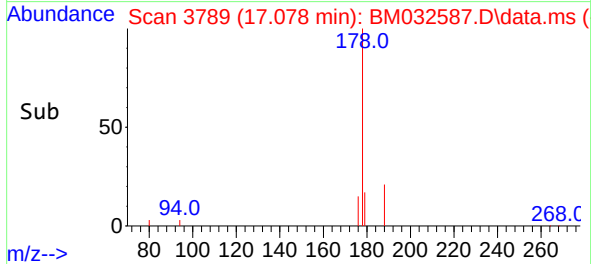


#16
 Anthracene
 Concen: 0.36 ng/ul
 RT: 17.078 min Scan# 3789
 Delta R.T. -0.000 min
 Lab File: BM032587.D
 Acq: 19 Oct 2021 16:59

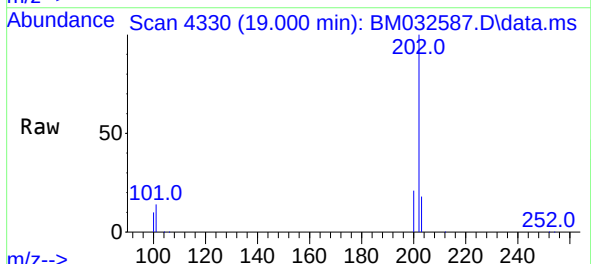


Tgt Ion:178 Resp: 16657

Ion	Ratio	Lower	Upper
178	100		
179	16.8	12.9	19.3
176	19.4	15.8	23.6

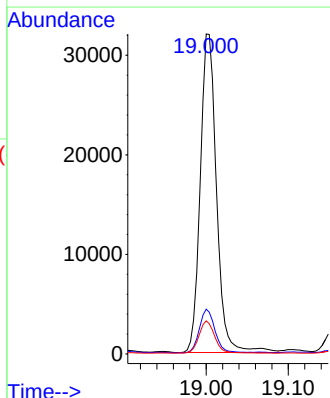
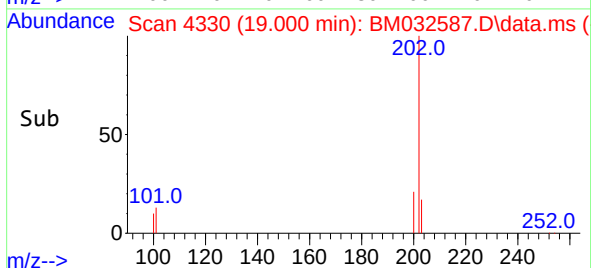


#19
 Fluoranthene
 Concen: 0.80 ng/ul
 RT: 19.000 min Scan# 4330
 Delta R.T. -0.004 min
 Lab File: BM032587.D
 Acq: 19 Oct 2021 16:59



Tgt Ion:202 Resp: 44093

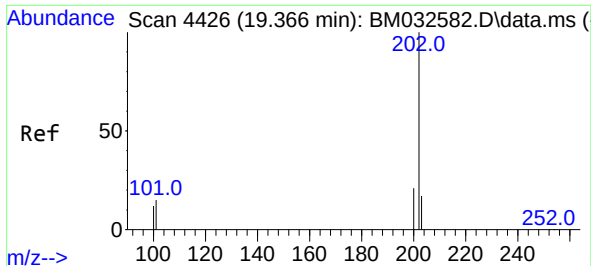
Ion	Ratio	Lower	Upper
202	100		
101	14.0	10.6	16.0
100	10.3	7.8	11.8



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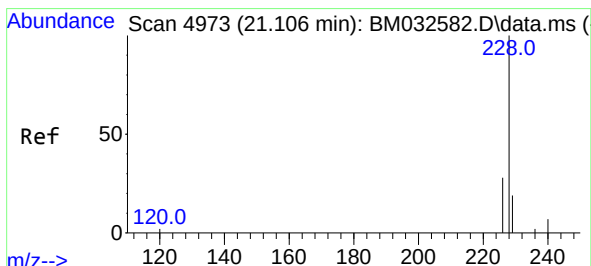
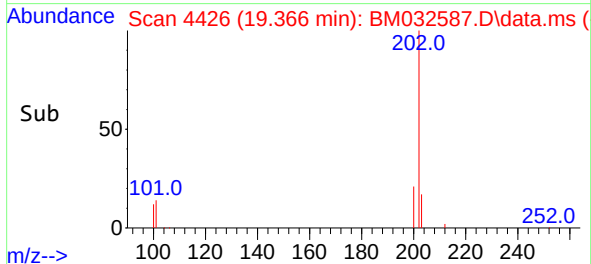
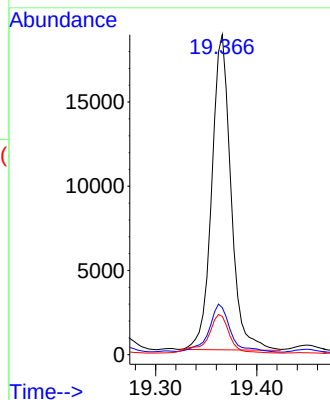
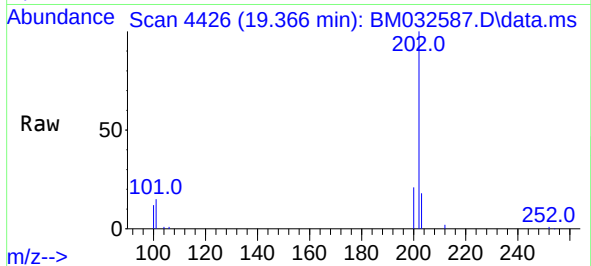
#20
Pyrene
Concen: 0.44 ng/ul
RT: 19.366 min Scan# 4426
Delta R.T. -0.000 min
Lab File: BM032587.D
Acq: 19 Oct 2021 16:59

Tgt Ion:	202	Resp:	24667
Ion Ratio	Lower	Upper	
202	100		
101	14.7	12.3	18.5
100	11.9	10.1	15.1

Instrument :
BNA_M
ClientSampleId :
C0AZ3DL

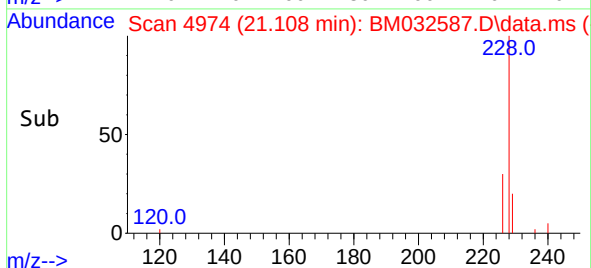
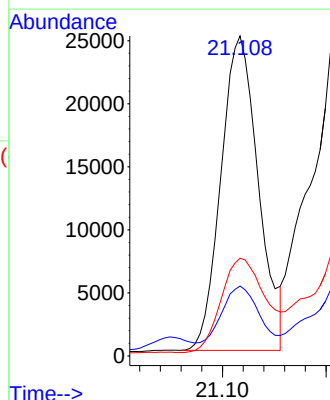
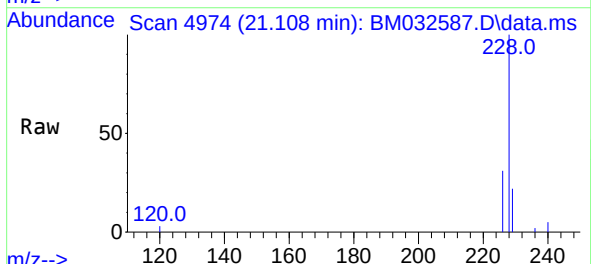
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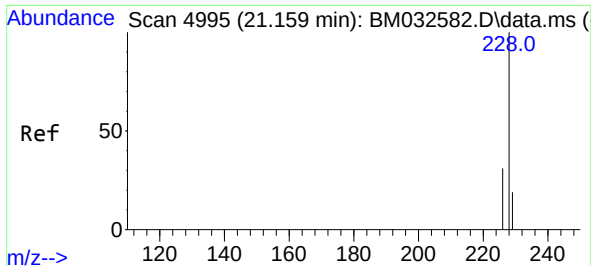
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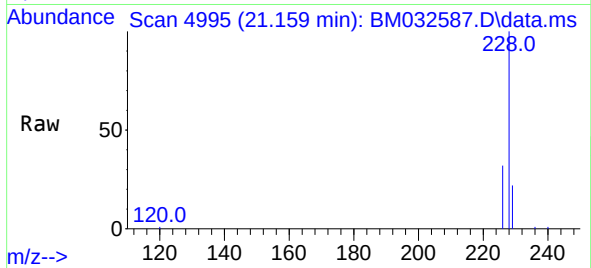
#21
Benzo(a)anthracene
Concen: 0.72 ng/ul
RT: 21.108 min Scan# 4974
Delta R.T. 0.002 min
Lab File: BM032587.D
Acq: 19 Oct 2021 16:59

Tgt Ion:	228	Resp:	31304
Ion Ratio	Lower	Upper	
228	100		
229	21.8	15.9	23.9
226	30.6	22.4	33.6

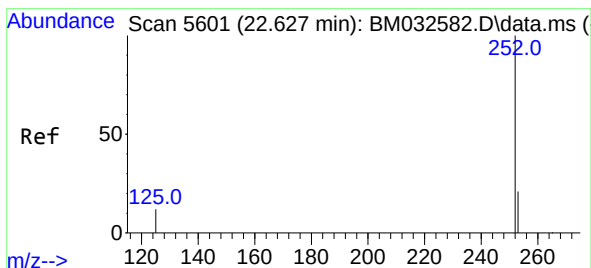
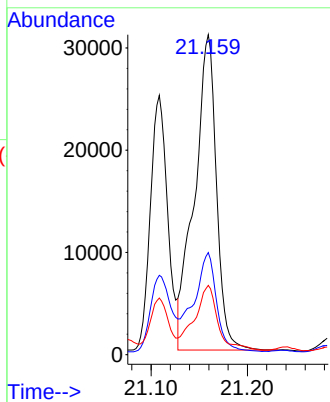
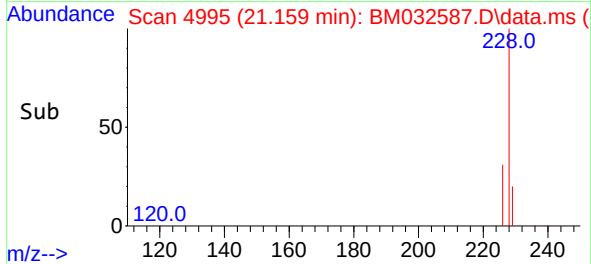




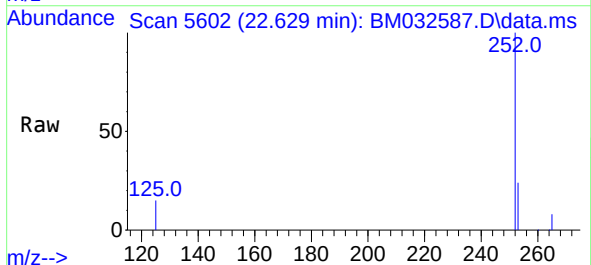
#22
Chrysene
Concen: 1.03 ng/ul
RT: 21.159 min Scan# 4995
Delta R.T. -0.000 min
Lab File: BM032587.D
Acq: 19 Oct 2021 16:59



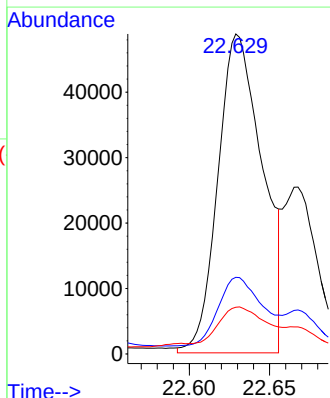
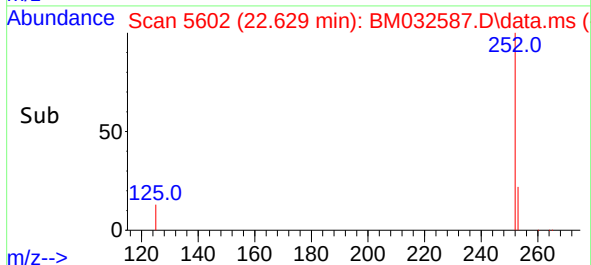
Tgt Ion:228 Resp: 48990
Ion Ratio Lower Upper
228 100
226 31.9 25.1 37.7
229 21.6 15.7 23.5



#24
Benzo(b)fluoranthene
Concen: 1.91 ng/ul m
RT: 22.629 min Scan# 5602
Delta R.T. 0.002 min
Lab File: BM032587.D
Acq: 19 Oct 2021 16:59



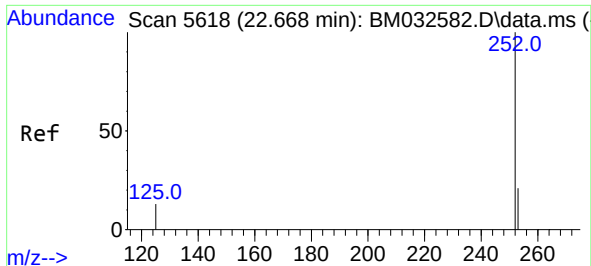
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Ion Ratio Lower Upper
252 100
253 24.0 0.0 53.8
125 14.6 0.0 35.6



Instrument :
BNA_M
ClientSampleID :
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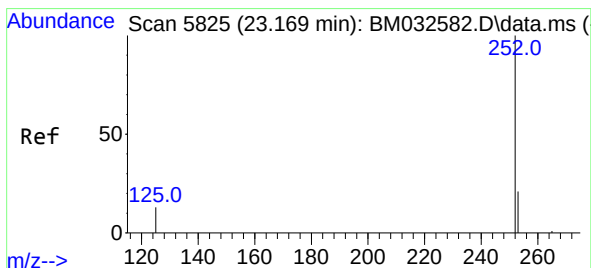
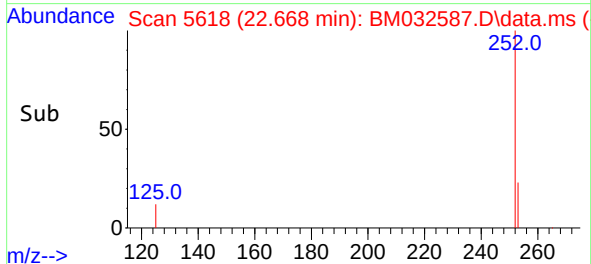
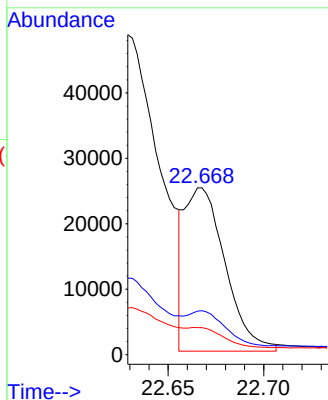
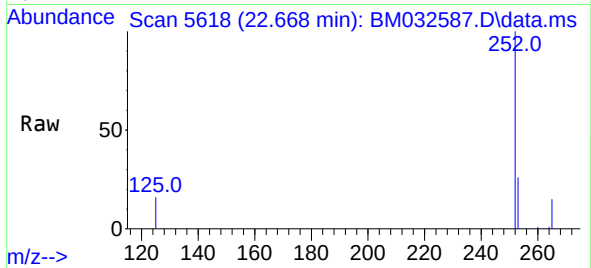
#25
Benzo(k)fluoranthene
Concen: 0.75 ng/ul m
RT: 22.668 min Scan# 5618
Delta R.T. -0.000 min
Lab File: BM032587.D
Acq: 19 Oct 2021 16:59

Tgt Ion:	252	Resp:	36930
Ion Ratio	Lower	Upper	
252	100		
253	26.3	21.8	32.6
125	16.2	14.4	21.6

Instrument :
BNA_M
ClientSampleId :
C0AZ3DL

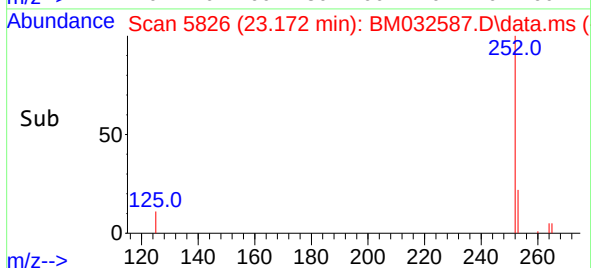
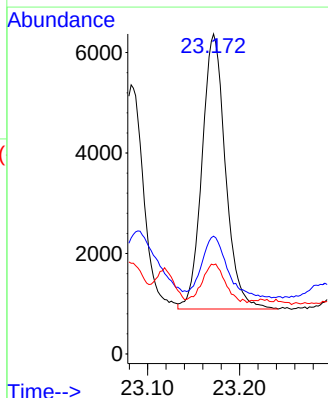
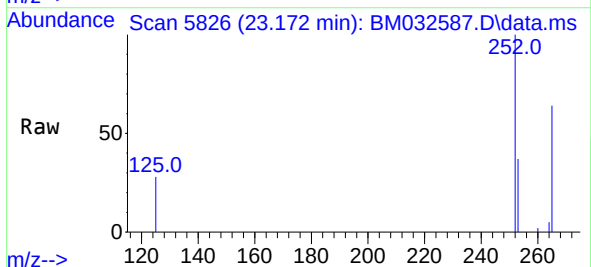
Manual Integrations
APPROVED

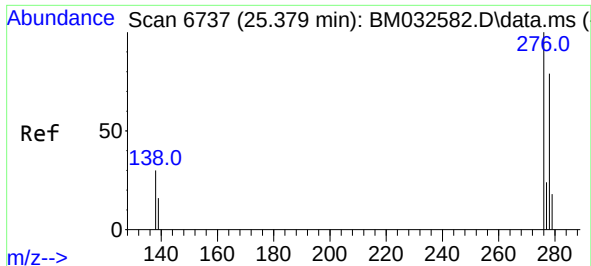
mohammad
10/20/2021 1:55:28 PM



#26
Benzo(a)pyrene
Concen: 0.23 ng/ul
RT: 23.172 min Scan# 5826
Delta R.T. 0.002 min
Lab File: BM032587.D
Acq: 19 Oct 2021 16:59

Tgt Ion:	252	Resp:	9701
Ion Ratio	Lower	Upper	
252	100		
253	36.8	23.6	35.4#
125	27.8	17.1	25.7#





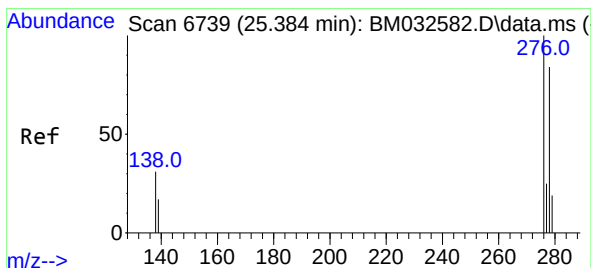
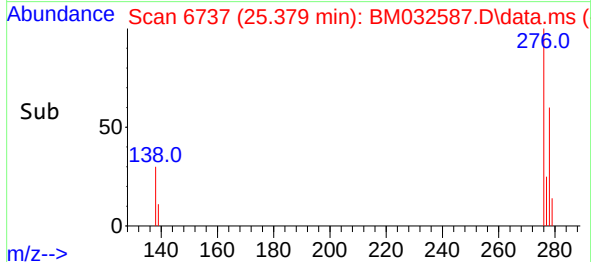
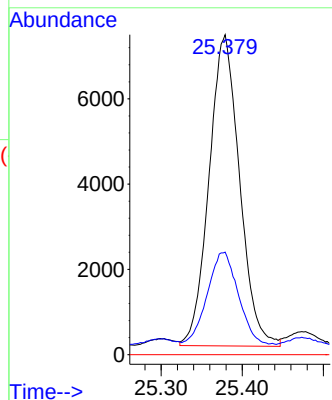
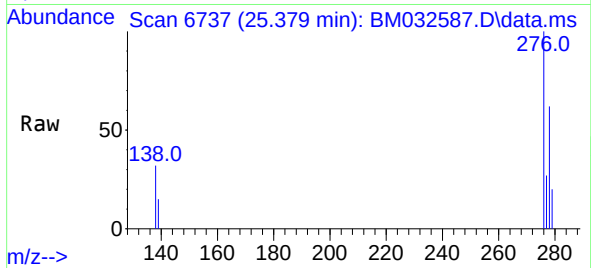
#27
Indeno(1,2,3-cd)pyrene
Concen: 0.38 ng/ul
RT: 25.379 min Scan# 6737
Delta R.T. -0.000 min
Lab File: BM032587.D
Acq: 19 Oct 2021 16:59

Tgt Ion: 276 Resp: 19072
Ion Ratio Lower Upper
276 100
138 30.7 24.9 37.3
227 0.0 0.0 0.0

Instrument :
BNA_M
ClientSampleId :
C0AZ3DL

Manual Integrations
APPROVED

mohammad
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#28
Dibenzo(a,h)anthracene
Concen: 0.33 ng/ul
RT: 25.374 min Scan# 6735
Delta R.T. -0.010 min
Lab File: BM032587.D
Acq: 19 Oct 2021 16:59

Tgt Ion: 278 Resp: 13316
Ion Ratio Lower Upper
278 100
139 23.2 18.6 28.0
279 32.3 22.0 33.0

