

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101921\
 Data File : BM032585.D
 Acq On : 19 Oct 2021 15:46
 Operator : CG/JU
 Sample : M4181-14DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AZ2DL

Manual Integrations
 APPROVED

mohammad
 10/20/2021 1:55:22 PM

Quant Time: Oct 19 16:16:39 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	6049	0.40	ng/ul	0.00
4) Naphthalene-d8	10.344	136	18670	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.213	164	8687	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.950	188	16013	0.40	ng/ul	# 0.00
17) Chrysene-d12	21.123	240	12536	0.40	ng/ul	0.00
23) Perylene-d12	23.266	264	12930	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.927	96	5103	0.75	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.940	152	1174	0.05	ng/ul	0.00
18) Fluoranthene-d10	18.973	212	1906	0.05	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.393	128	57110	1.01	ng/ul	99
7) 2-Methylnaphthalene	12.012	142	43832	1.18	ng/ul	100
8) 1-Methylnaphthalene	12.237	142	33329	0.91	ng/ul	99
10) Acenaphthylene	13.933	152	26292	0.71	ng/ul	99
11) Acenaphthene	14.274	153	1344	0.04	ng/ul#	90
12) Fluorene	15.263	166	2202	0.06	ng/ul#	73
14) Pentachlorophenol	16.623	266	104	0.03	ng/ul#	89
15) Phenanthrene	16.988	178	42002	0.78	ng/ul	99
16) Anthracene	17.078	178	32531	0.69	ng/ul	99
19) Fluoranthene	19.004	202	95658	1.54	ng/ul	99
20) Pyrene	19.362	202	61121	0.96	ng/ul	98
21) Benzo(a)anthracene	21.106	228	65448	1.34	ng/ul	97
22) Chrysene	21.157	228	99811	1.85	ng/ul	98
24) Benzo(b)fluoranthene	22.629	252	232218m	3.89	ng/ul	
25) Benzo(k)fluoranthene	22.668	252	73418m	1.23	ng/ul	
26) Benzo(a)pyrene	23.169	252	27584	0.55	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	25.377	276	47802	0.78	ng/ul#	98
28) Dibenzo(a,h)anthracene	25.377	278	27318	0.57	ng/ul	98
29) Benzo(g,h,i)perylene	26.026	276	1892	0.04	ng/ul#	64

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

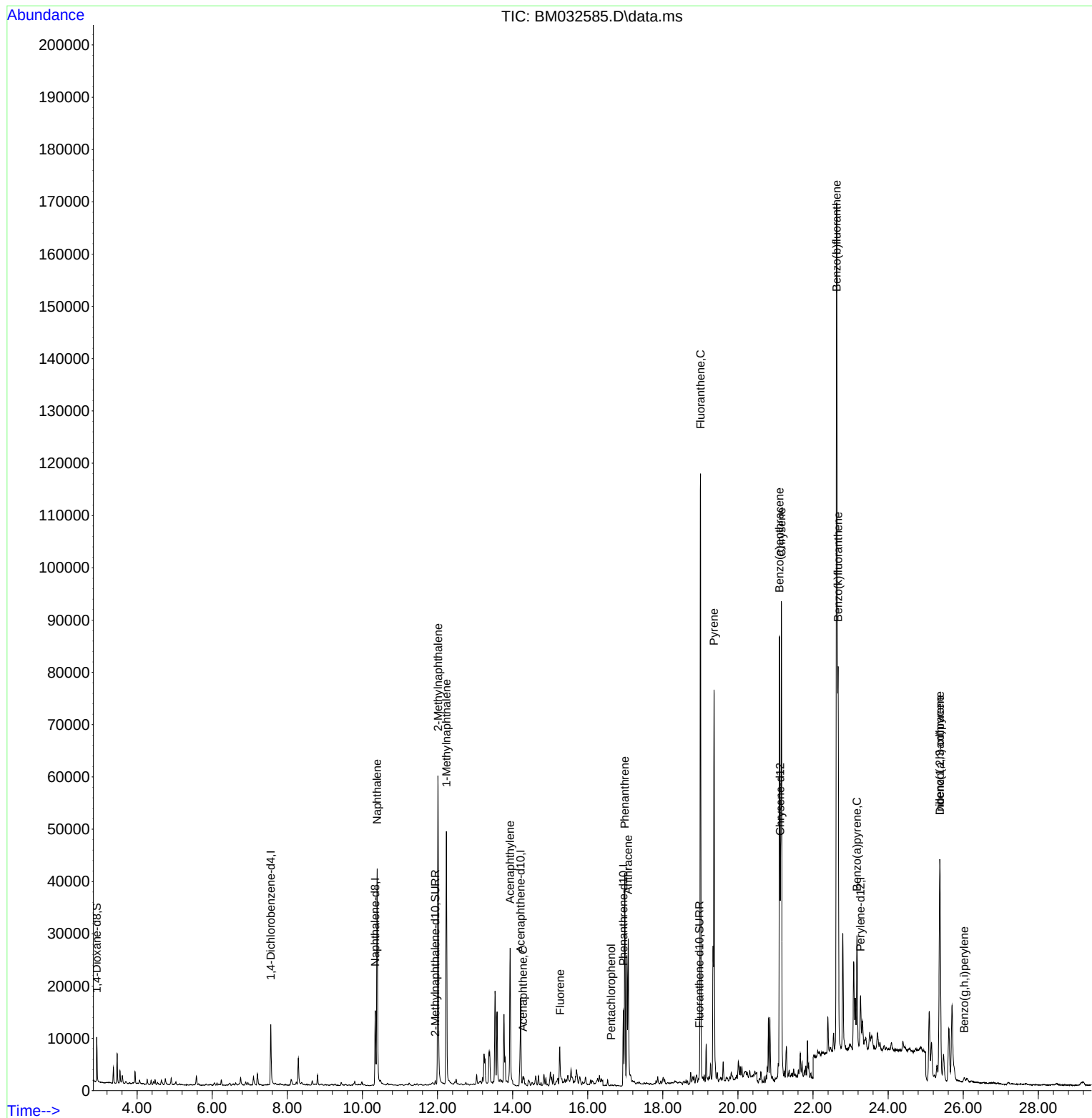
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101921\
Data File : BM032585.D
Acq On : 19 Oct 2021 15:46
Operator : CG/JU
Sample : M4181-14DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

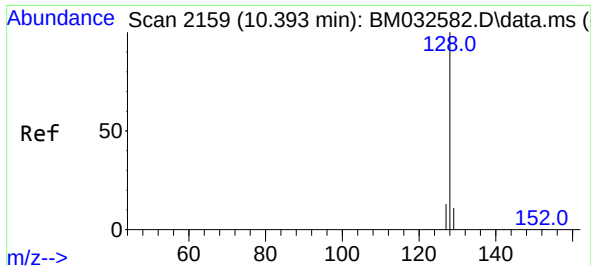
Instrument :
BNA_M
ClientSampleId :
C0AZ2DL

Manual Integrations
APPROVED

mohammad
10/20/2021 1:55:22 PM

Quant Time: Oct 19 16:16:39 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





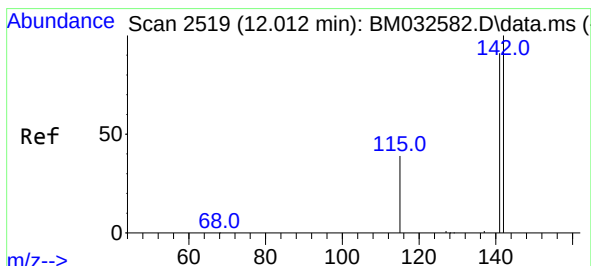
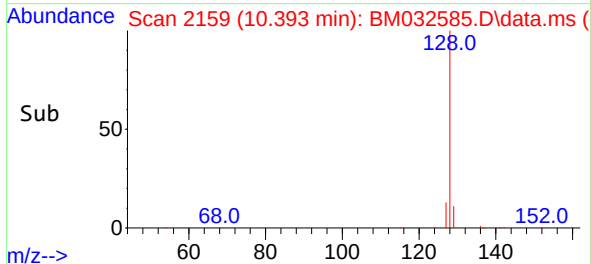
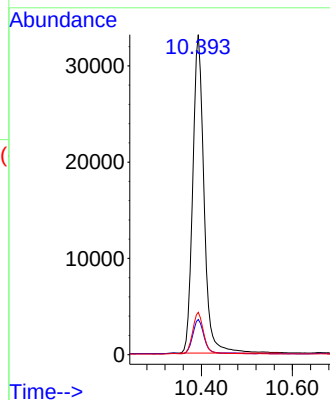
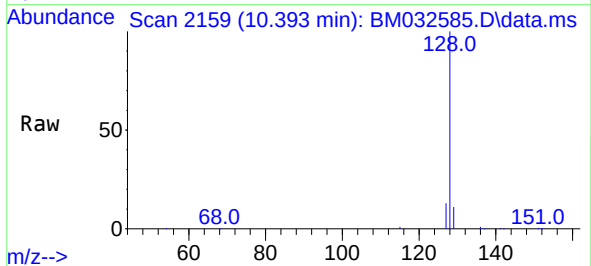
#5
Naphthalene
Concen: 1.01 ng/ul
RT: 10.393 min Scan# 2159
Delta R.T. 0.000 min
Lab File: BM032585.D
Acq: 19 Oct 2021 15:46

Tgt Ion:128 Resp: 57110
Ion Ratio Lower Upper
128 100
129 11.0 9.1 13.7
127 13.3 11.1 16.7

Instrument :
BNA_M
ClientSampleId :
C0AZ2DL

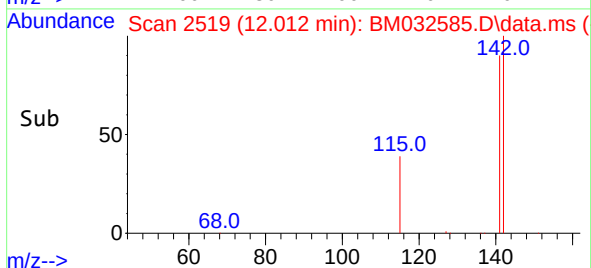
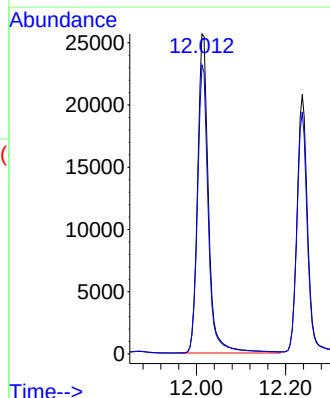
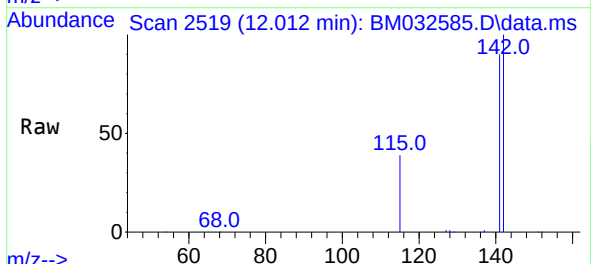
Manual Integrations
APPROVED

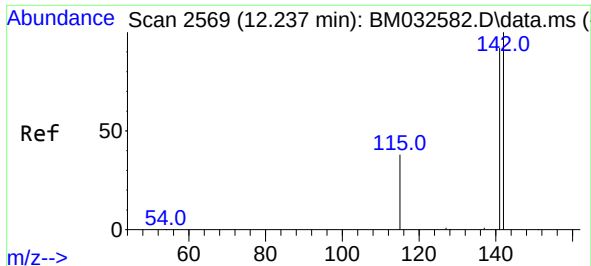
mohammad
10/20/2021 1:55:22 PM



#7
2-Methylnaphthalene
Concen: 1.18 ng/ul
RT: 12.012 min Scan# 2519
Delta R.T. 0.000 min
Lab File: BM032585.D
Acq: 19 Oct 2021 15:46

Tgt Ion:142 Resp: 43832
Ion Ratio Lower Upper
142 100
141 89.8 72.2 108.2





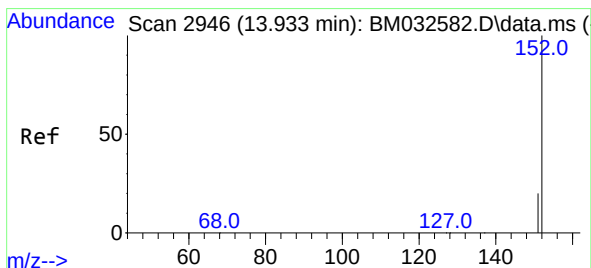
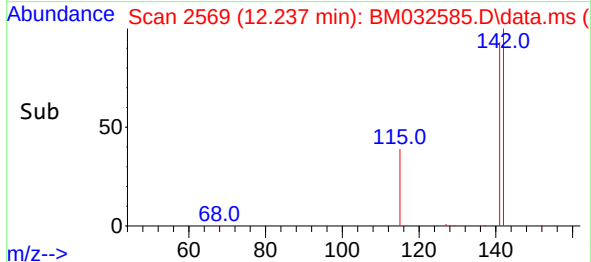
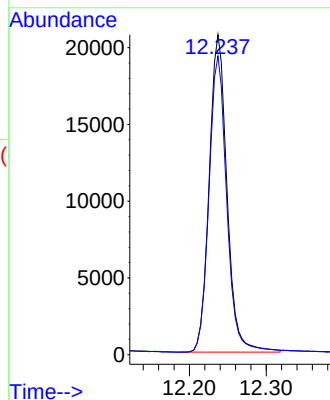
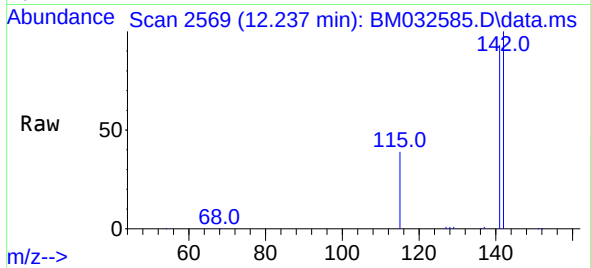
#8
1-Methylnaphthalene
Concen: 0.91 ng/ul
RT: 12.237 min Scan# 2569
Delta R.T. 0.000 min
Lab File: BM032585.D
Acq: 19 Oct 2021 15:46

Tgt Ion:142 Resp: 33329
Ion Ratio Lower Upper
142 100
141 93.0 74.9 112.3

Instrument :
BNA_M
ClientSampled :
C0AZ2DL

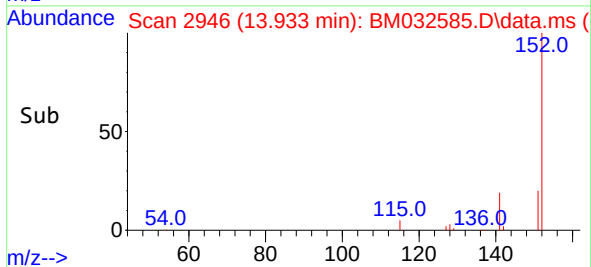
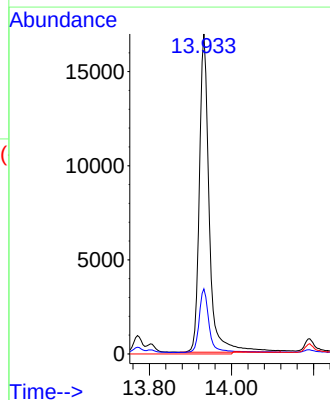
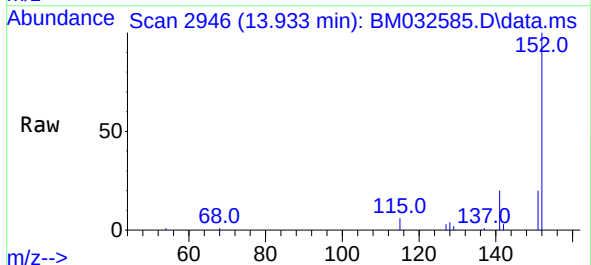
Manual Integrations
APPROVED

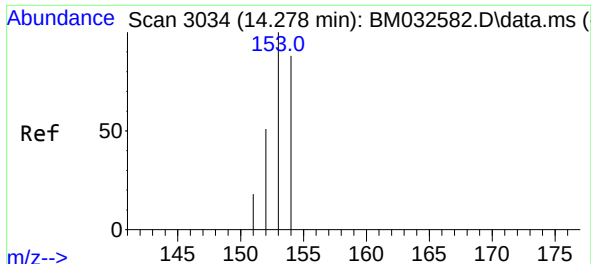
mohammad
10/20/2021 1:55:22 PM



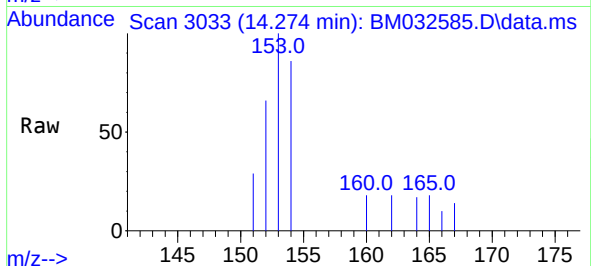
#10
Acenaphthylene
Concen: 0.71 ng/ul
RT: 13.933 min Scan# 2946
Delta R.T. 0.000 min
Lab File: BM032585.D
Acq: 19 Oct 2021 15:46

Tgt Ion:152 Resp: 26292
Ion Ratio Lower Upper
152 100
151 20.3 16.7 25.1
153 0.0 0.0 0.0

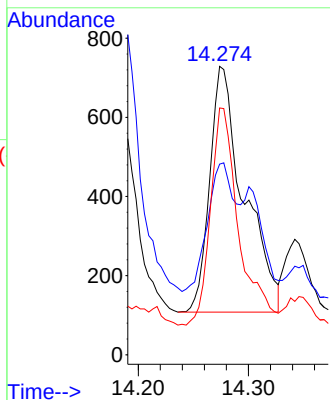
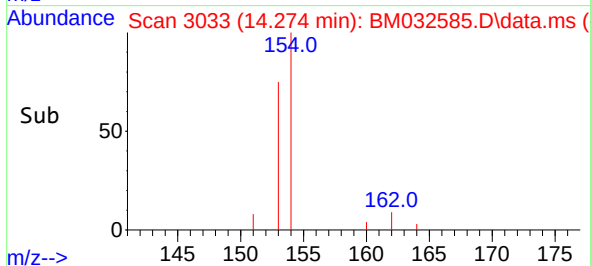




#11
Acenaphthene
Concen: 0.04 ng/ul
RT: 14.274 min Scan# 3033
Delta R.T. -0.004 min
Lab File: BM032585.D
Acq: 19 Oct 2021 15:46



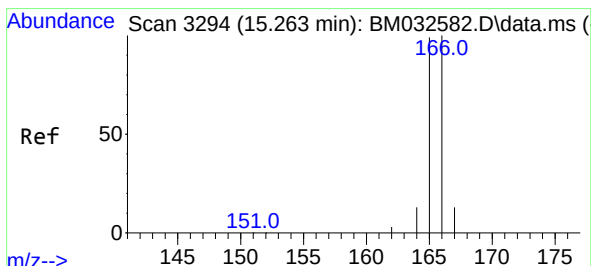
Tgt Ion:153 Resp: 1344
Ion Ratio Lower Upper
153 100
152 66.1 40.4 60.6#
154 85.6 70.8 106.2



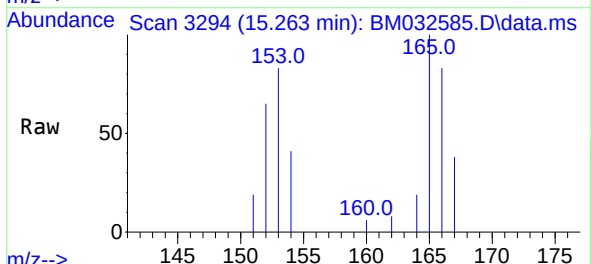
Instrument :
BNA_M
ClientSampleId :
C0AZ2DL

Manual Integrations
APPROVED

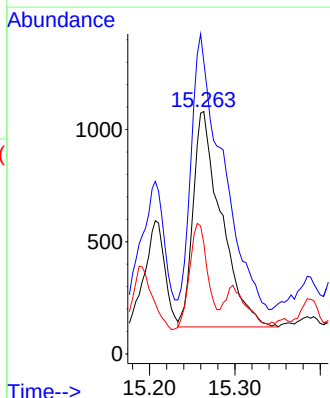
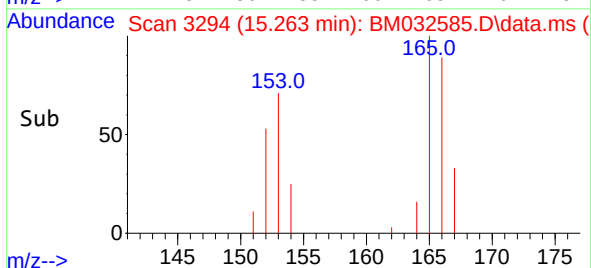
mohammad
10/20/2021 1:55:22 PM

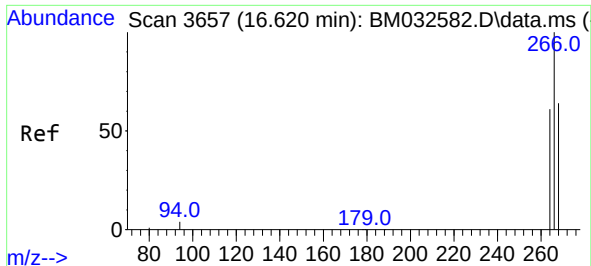


#12
Fluorene
Concen: 0.06 ng/ul
RT: 15.263 min Scan# 3294
Delta R.T. 0.000 min
Lab File: BM032585.D
Acq: 19 Oct 2021 15:46



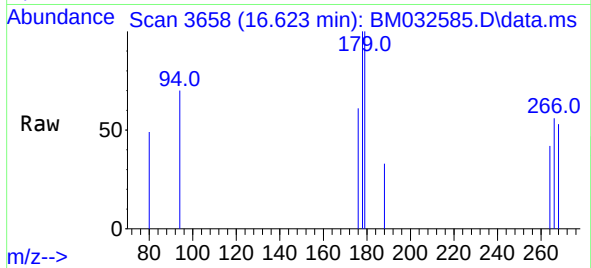
Tgt Ion:166 Resp: 2202
Ion Ratio Lower Upper
166 100
165 120.6 80.7 121.1
167 45.6 11.2 16.8#





#14
 Pentachlorophenol
 Concen: 0.03 ng/ul
 RT: 16.623 min Scan# 3658
 Delta R.T. 0.004 min
 Lab File: BM032585.D
 Acq: 19 Oct 2021 15:46

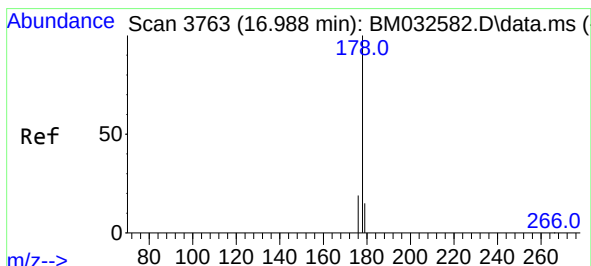
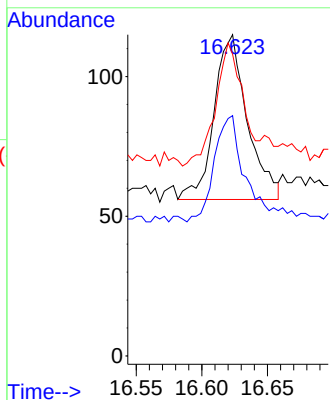
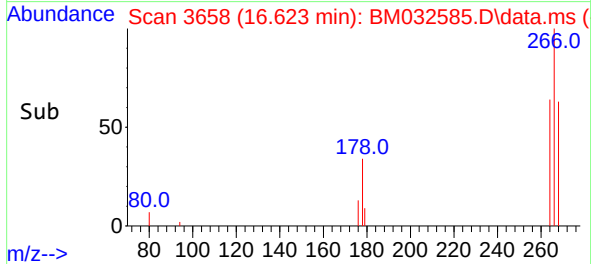
Instrument :
 BNA_M
 ClientSampleID :
 C0AZ2DL



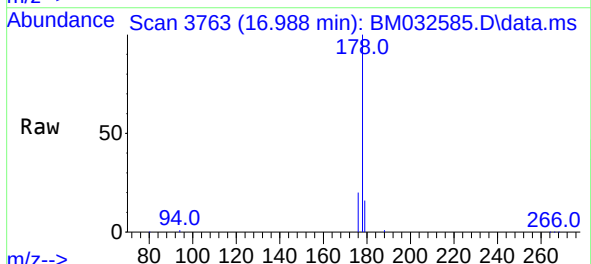
Tgt Ion:266 Resp: 104
 Ion Ratio Lower Upper
 266 100
 264 64.4 50.8 76.2
 268 78.8 50.2 75.2#

Manual Integrations
 APPROVED

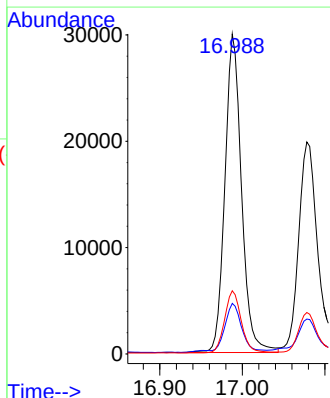
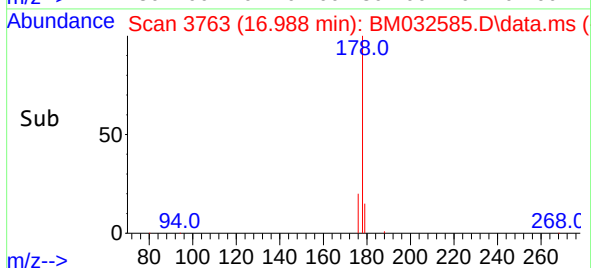
mohammad
 10/20/2021 1:55:22 PM

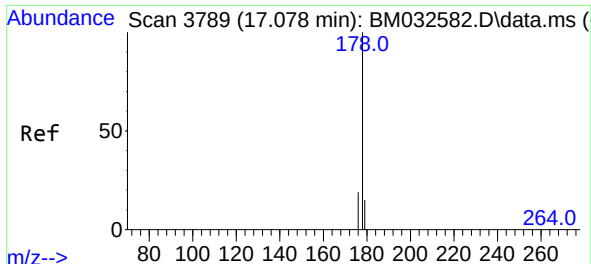


#15
 Phenanthrene
 Concen: 0.78 ng/ul
 RT: 16.988 min Scan# 3763
 Delta R.T. 0.000 min
 Lab File: BM032585.D
 Acq: 19 Oct 2021 15:46



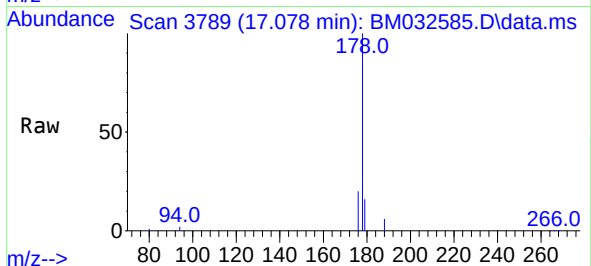
Tgt Ion:178 Resp: 42002
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.9 19.3
 176 19.8 16.1 24.1





#16
 Anthracene
 Concen: 0.69 ng/ul
 RT: 17.078 min Scan# 3789
 Delta R.T. 0.000 min
 Lab File: BM032585.D
 Acq: 19 Oct 2021 15:46

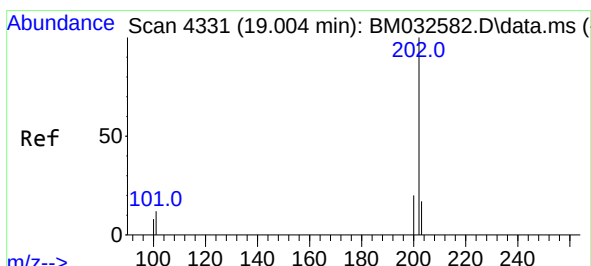
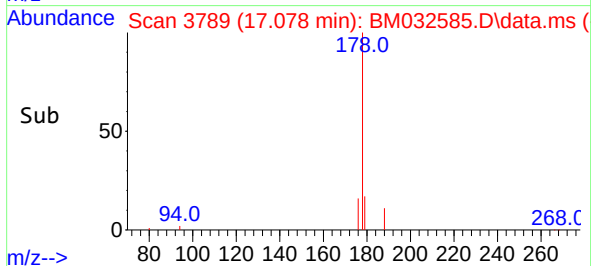
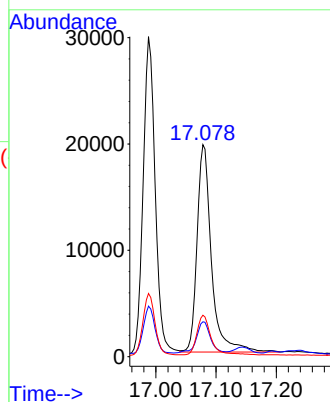
Instrument :
 BNA_M
 ClientSampleId :
 C0AZ2DL



Tgt Ion:	178	Resp:	32531
Ion	Ratio	Lower	Upper
178	100		
179	16.5	12.9	19.3
176	19.6	15.8	23.6

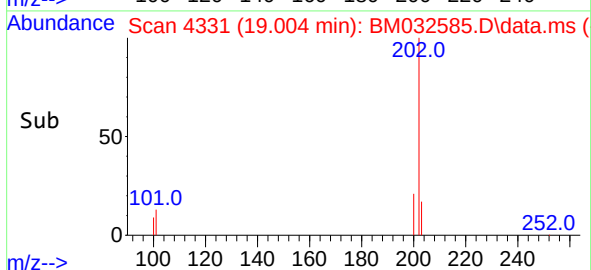
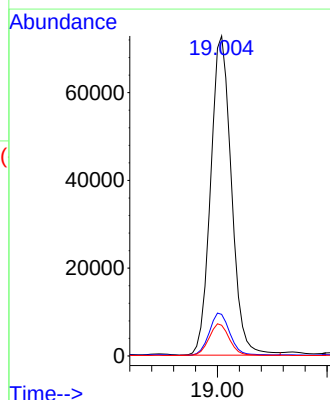
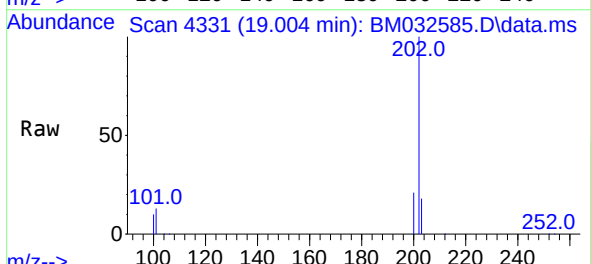
Manual Integrations
 APPROVED

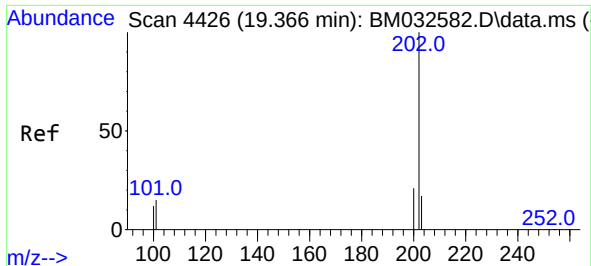
mohammad
 10/20/2021 1:55:22 PM



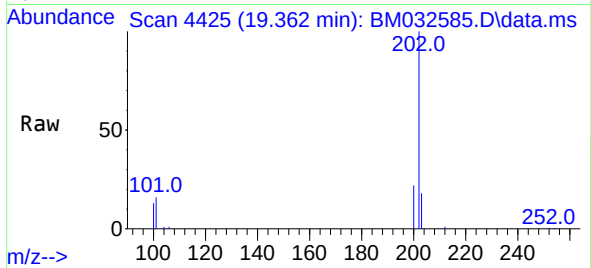
#19
 Fluoranthene
 Concen: 1.54 ng/ul
 RT: 19.004 min Scan# 4331
 Delta R.T. 0.000 min
 Lab File: BM032585.D
 Acq: 19 Oct 2021 15:46

Tgt Ion:	202	Resp:	95658
Ion	Ratio	Lower	Upper
202	100		
101	13.0	10.6	16.0
100	9.6	7.8	11.8

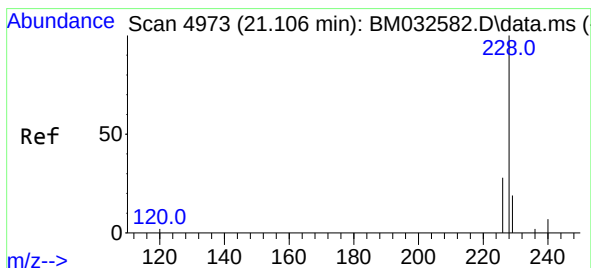
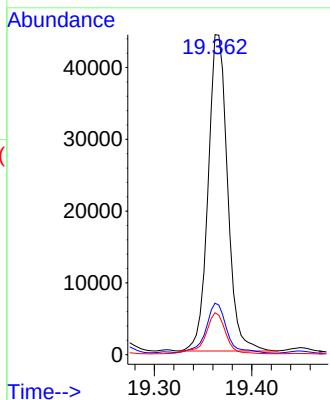
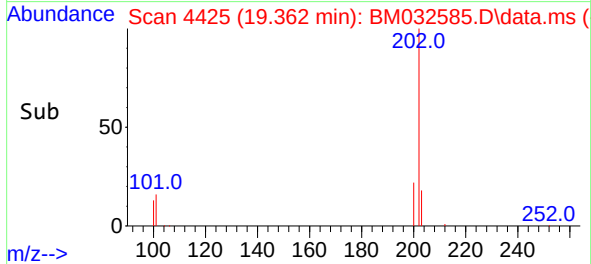




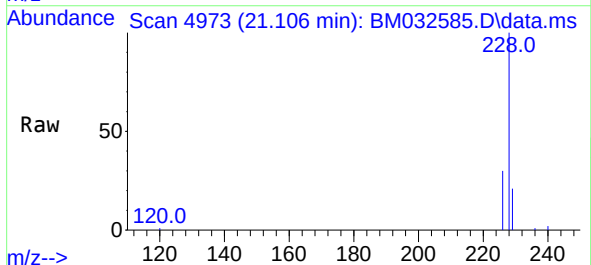
#20
Pyrene
Concen: 0.96 ng/ul
RT: 19.362 min Scan# 4425
Delta R.T. -0.004 min
Lab File: BM032585.D
Acq: 19 Oct 2021 15:46



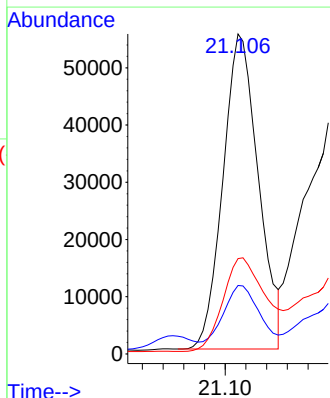
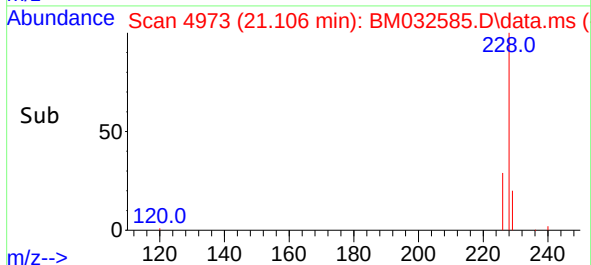
Tgt Ion:202 Resp: 61121
Ion Ratio Lower Upper
202 100
101 16.1 12.3 18.5
100 13.1 10.1 15.1



#21
Benzo(a)anthracene
Concen: 1.34 ng/ul
RT: 21.106 min Scan# 4973
Delta R.T. 0.000 min
Lab File: BM032585.D
Acq: 19 Oct 2021 15:46



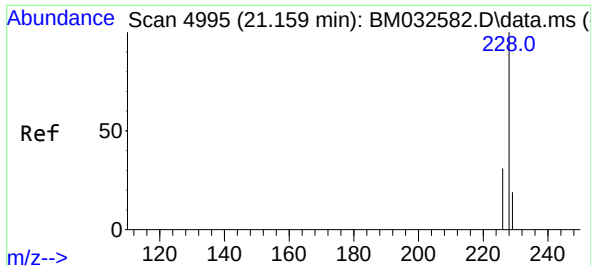
Tgt Ion:228 Resp: 65448
Ion Ratio Lower Upper
228 100
229 21.4 15.9 23.9
226 29.8 22.4 33.6



Instrument :
BNA_M
ClientSampleId :
C0AZ2DL

Manual Integrations
APPROVED

mohammad
10/20/2021 1:55:22 PM



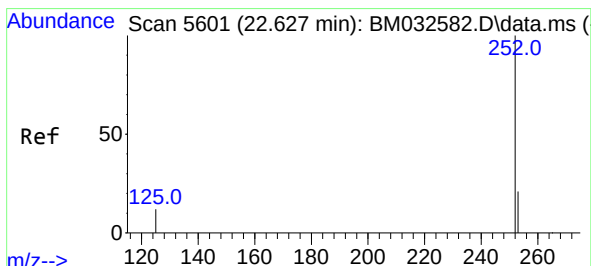
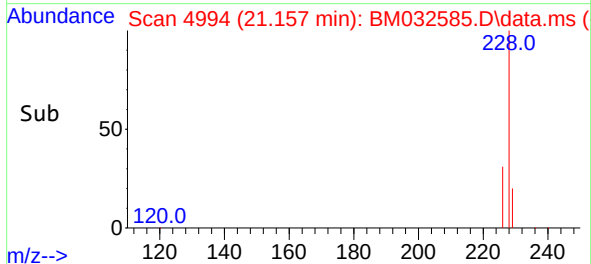
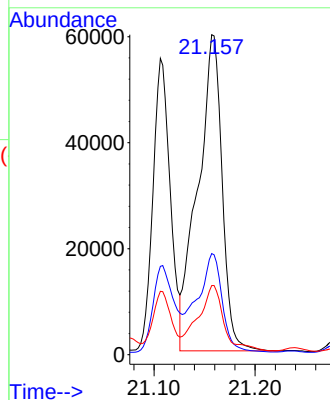
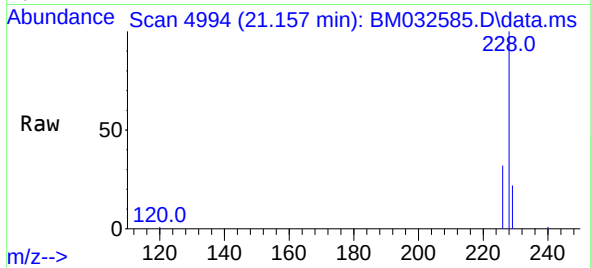
#22
Chrysene
Concen: 1.85 ng/ul
RT: 21.157 min Scan# 4994
Delta R.T. -0.002 min
Lab File: BM032585.D
Acq: 19 Oct 2021 15:46

Tgt Ion:	228	Resp:	99811
Ion Ratio	Lower	Upper	
228	100		
226	31.6	25.1	37.7
229	21.6	15.7	23.5

Instrument :
BNA_M
ClientSampleId :
C0AZ2DL

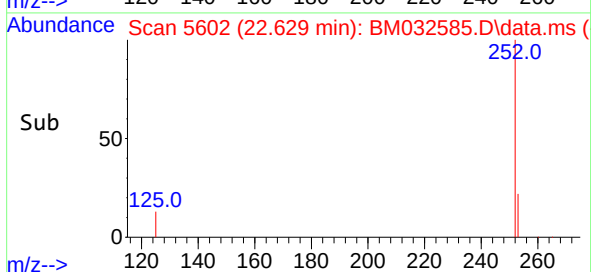
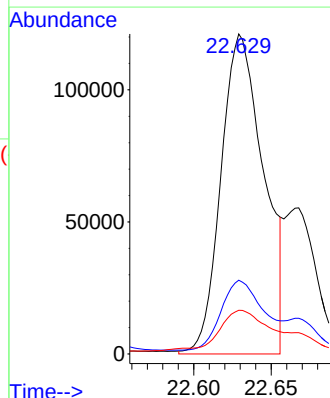
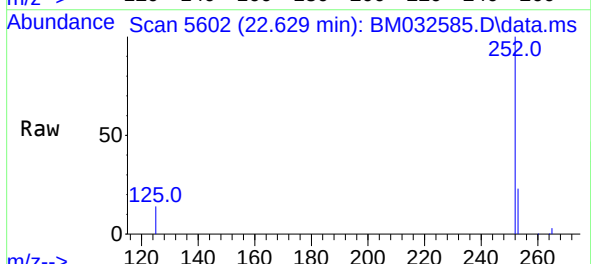
Manual Integrations
APPROVED

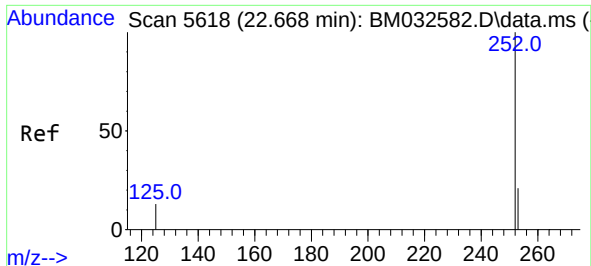
mohammad
10/20/2021 1:55:22 PM



#24
Benzo(b)fluoranthene
Concen: 3.89 ng/ul m
RT: 22.629 min Scan# 5602
Delta R.T. 0.003 min
Lab File: BM032585.D
Acq: 19 Oct 2021 15:46

Tgt Ion:	252	Resp:	232218
Ion Ratio	Lower	Upper	
252	100		
253	23.0	0.0	53.8
125	13.7	0.0	35.6





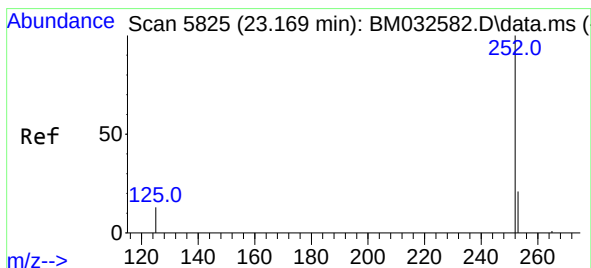
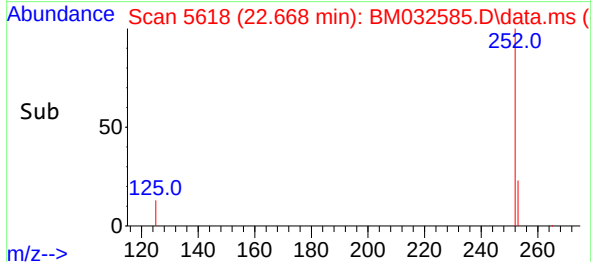
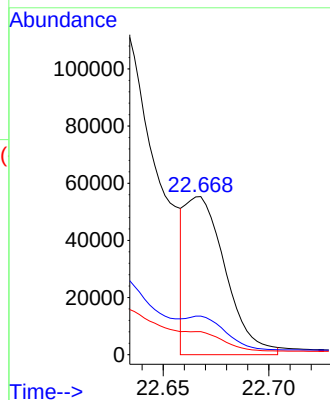
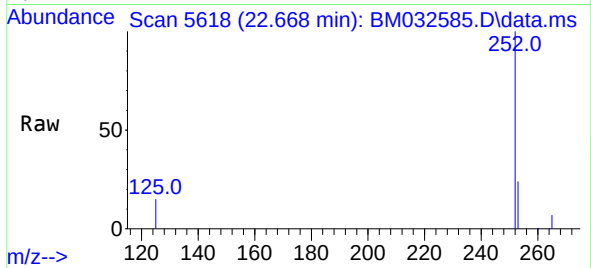
#25
Benzo(k)fluoranthene
Concen: 1.23 ng/ul m
RT: 22.668 min Scan# 5618
Delta R.T. 0.000 min
Lab File: BM032585.D
Acq: 19 Oct 2021 15:46

Tgt Ion:	252	Resp:	73418
Ion Ratio	Lower	Upper	
252	100		
253	24.4	21.8	32.6
125	14.6	14.4	21.6

Instrument :
BNA_M
ClientSampleId :
C0AZ2DL

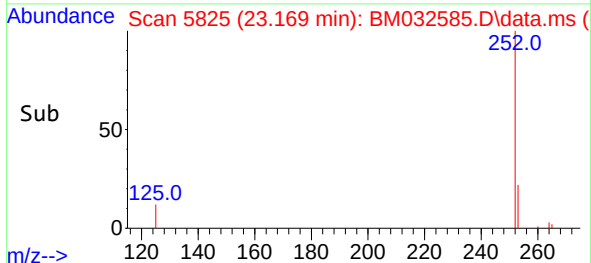
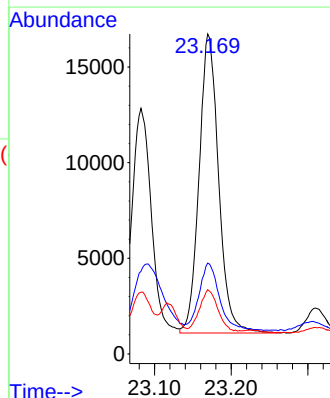
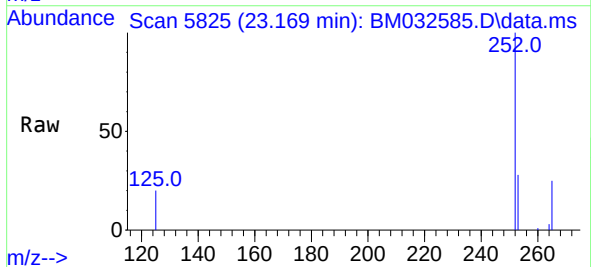
Manual Integrations
APPROVED

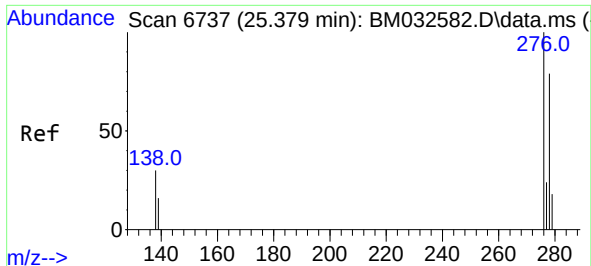
mohammad
10/20/2021 1:55:22 PM



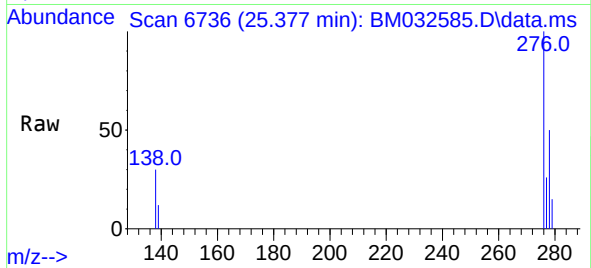
#26
Benzo(a)pyrene
Concen: 0.55 ng/ul
RT: 23.169 min Scan# 5825
Delta R.T. 0.000 min
Lab File: BM032585.D
Acq: 19 Oct 2021 15:46

Tgt Ion:	252	Resp:	27584
Ion Ratio	Lower	Upper	
252	100		
253	28.4	23.6	35.4
125	20.1	17.1	25.7

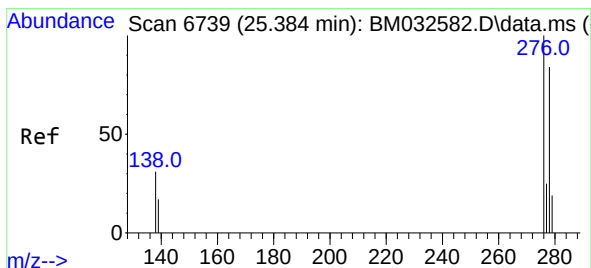
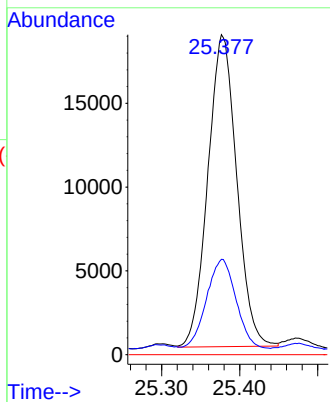
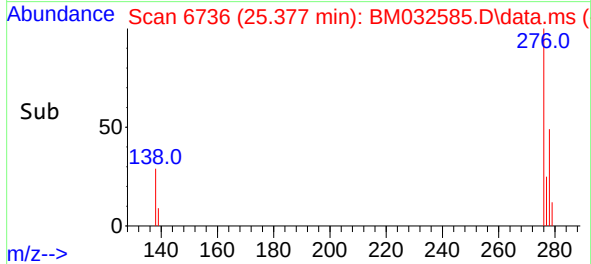




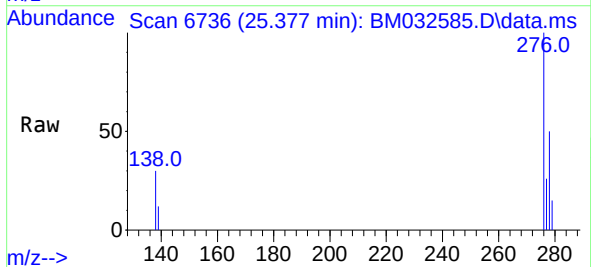
#27
Indeno(1,2,3-cd)pyrene
Concen: 0.78 ng/ul
RT: 25.377 min Scan# 6736
Delta R.T. -0.002 min
Lab File: BM032585.D
Acq: 19 Oct 2021 15:46



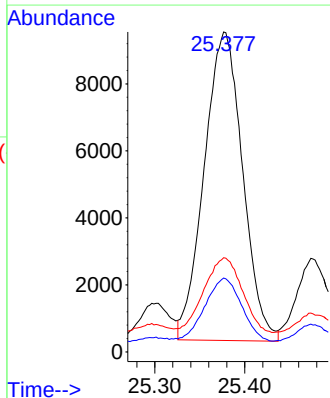
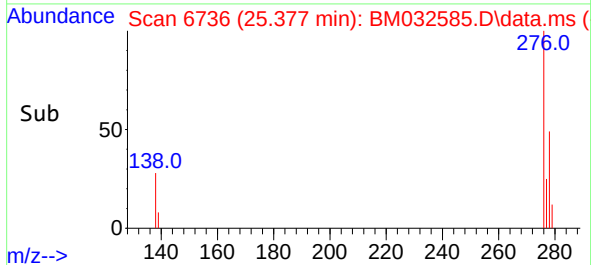
Tgt Ion: 276 Resp: 47802
Ion Ratio Lower Upper
276 100
138 30.1 24.9 37.3
227 0.0 0.0 0.0



#28
Dibenzo(a,h)anthracene
Concen: 0.57 ng/ul
RT: 25.377 min Scan# 6736
Delta R.T. -0.007 min
Lab File: BM032585.D
Acq: 19 Oct 2021 15:46



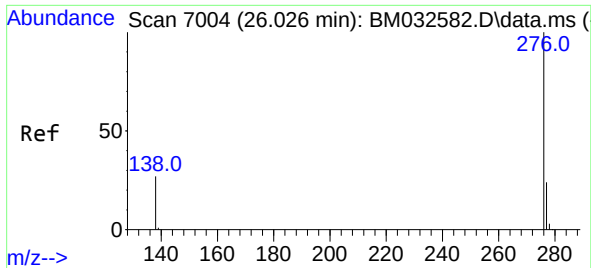
Tgt Ion: 278 Resp: 27318
Ion Ratio Lower Upper
278 100
139 23.1 18.6 28.0
279 29.4 22.0 33.0



Instrument :
BNA_M
ClientSampleId :
C0AZ2DL

Manual Integrations
APPROVED

mohammad
10/20/2021 1:55:22 PM



#29
Benzo(g,h,i)perylene
Concen: 0.04 ng/ul
RT: 26.026 min Scan# 7004
Delta R.T. 0.000 min
Lab File: BM032585.D
Acq: 19 Oct 2021 15:46

Tgt Ion	Ratio	Lower	Upper
276	100		
138	46.4	22.6	33.8#
277	44.3	19.9	29.9#

Instrument :
BNA_M
ClientSampleId :
C0AZ2DL

Manual Integrations
APPROVED

mohammad
10/20/2021 1:55:22 PM

