

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081921\
 Data File : BM031826.D
 Acq On : 19 Aug 2021 13:42
 Operator : CG/JU
 Sample : M3434-33
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SWCS-15-0002

Manual Integrations
 APPROVED

mohammad
 8/20/2021 2:26:16 PM

Quant Time: Aug 19 14:38:28 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 18 14:13:35 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.534	152	37714	20.000	ng	0.00
21) Naphthalene-d8	10.292	136	149958	20.000	ng	0.00
39) Acenaphthene-d10	14.169	164	89567	20.000	ng	-0.01
64) Phenanthrene-d10	16.927	188	187475	20.000	ng	0.00
76) Chrysene-d12	21.127	240	192079	20.000	ng	# 0.00
86) Perylene-d12	23.280	264	199400	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.175	112	225472	95.954	ng	0.00
7) Phenol-d6	6.728	99	277861	81.606	ng	0.00
23) Nitrobenzene-d5	8.687	82	196262	54.800	ng	0.00
42) 2,4,6-Tribromophenol	15.674	330	86478	78.393	ng	0.00
45) 2-Fluorobiphenyl	12.786	172	369358	54.889	ng	0.00
79) Terphenyl-d14	19.574	244	598662	52.513	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	13.892	152	65307	7.209	ng	99
71) Phenanthrene	16.968	178	133395	11.667	ng	98
72) Anthracene	17.057	178	48967	4.369	ng	94
75) Fluoranthene	18.992	202	348609	25.455	ng	97
78) Pyrene	19.356	202	337642	24.265	ng	100
81) Benzo(a)anthracene	21.115	228	177342m	12.605	ng	
83) Chrysene	21.168	228	186357m	13.589	ng	
84) Bis(2-ethylhexyl)phtha...	21.062	149	20929	2.031	ng	96
87) Indeno(1,2,3-cd)pyrene	25.397	276	138373	9.847	ng	98
88) Benzo(b)fluoranthene	22.645	252	280648m	18.746	ng	
89) Benzo(k)fluoranthene	22.680	252	74313m	5.143	ng	
90) Benzo(a)pyrene	23.186	252	185317	13.981	ng	# 98
91) Dibenzo(a,h)anthracene	25.403	278	34678	2.806	ng	# 86
92) Benzo(g,h,i)perylene	26.050	276	139601	12.405	ng	100

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

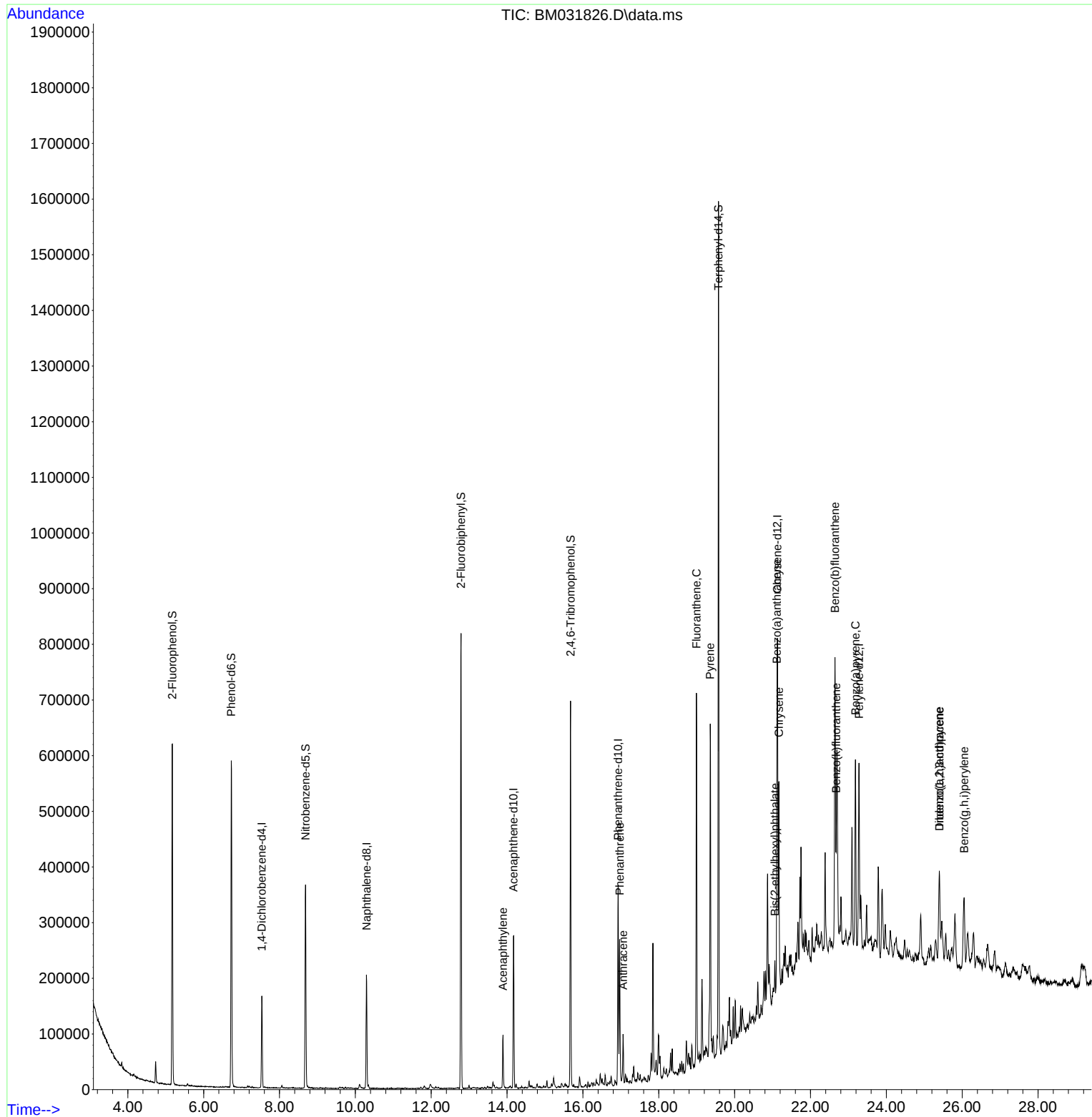
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081921\
Data File : BM031826.D
Acq On : 19 Aug 2021 13:42
Operator : CG/JU
Sample : M3434-33
Misc :
ALS Vial : 7 Sample Multiplier: 1

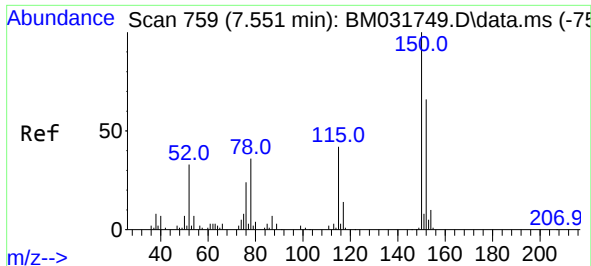
Instrument :
BNA_M
ClientSampleId :
SWCS-15-0002

Manual Integrations
APPROVED

mohammad
8/20/2021 2:26:16 PM

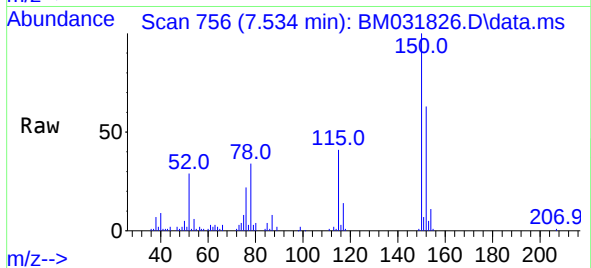
Quant Time: Aug 19 14:38:28 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 18 14:13:35 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.534 min Scan# 756
Delta R.T. -0.006 min
Lab File: BM031826.D
Acq: 19 Aug 2021 13:42

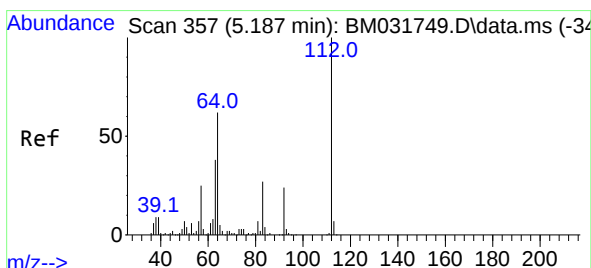
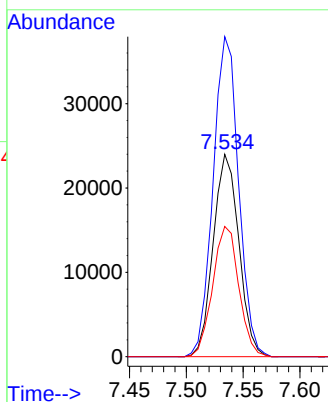
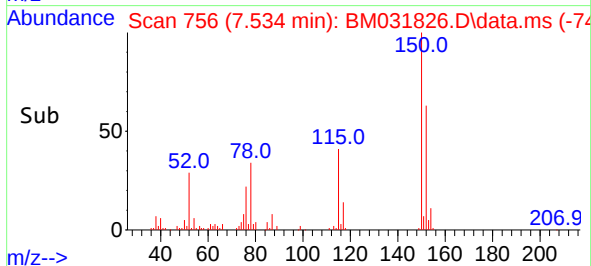
Instrument :
BNA_M
ClientSampleId :
SWCS-15-0002



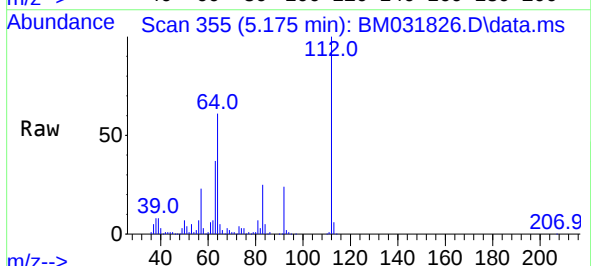
Tgt Ion:152 Resp: 37714
Ion Ratio Lower Upper
152 100
150 158.0 125.9 188.9
115 64.3 44.6 67.0

Manual Integrations
APPROVED

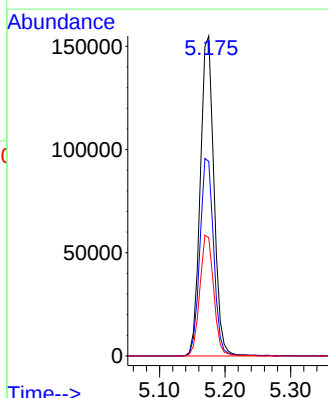
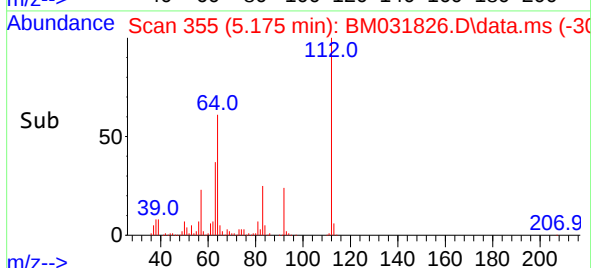
mohammad
8/20/2021 2:26:16 PM

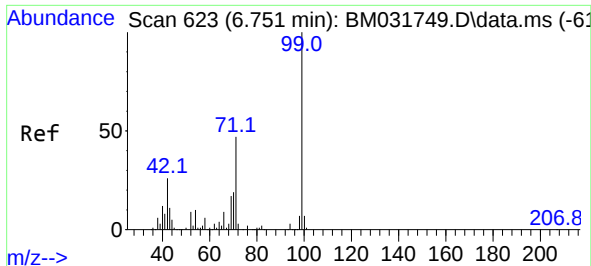


#5
2-Fluorophenol
Concen: 95.954 ng
RT: 5.175 min Scan# 355
Delta R.T. 0.000 min
Lab File: BM031826.D
Acq: 19 Aug 2021 13:42



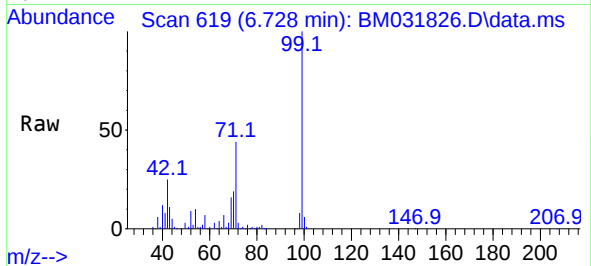
Tgt Ion:112 Resp: 225472
Ion Ratio Lower Upper
112 100
64 60.8 47.1 70.7
63 36.9 27.3 40.9





#7
Phenol-d6
Concen: 81.606 ng
RT: 6.728 min Scan# 619
Delta R.T. -0.006 min
Lab File: BM031826.D
Acq: 19 Aug 2021 13:42

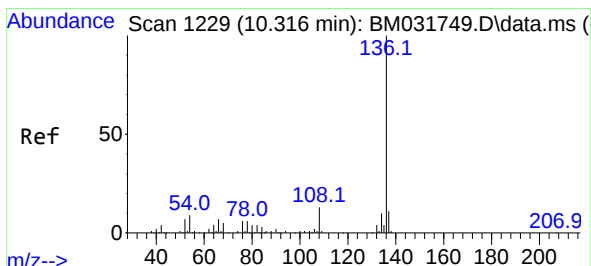
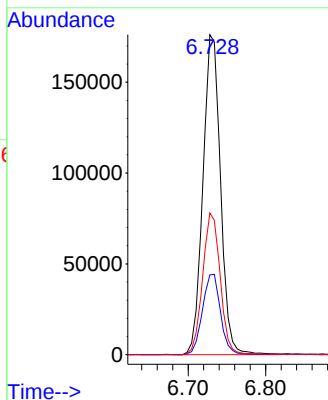
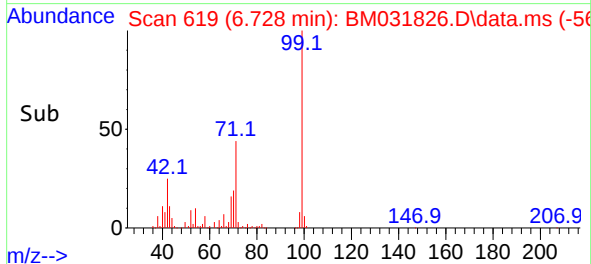
Instrument :
BNA_M
ClientSampleId :
SWCS-15-0002



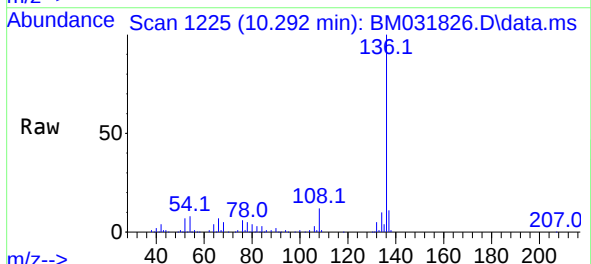
Tgt Ion: 99 Resp: 277861
Ion Ratio Lower Upper
99 100
42 25.0 18.0 27.0
71 44.3 30.9 46.3

Manual Integrations
APPROVED

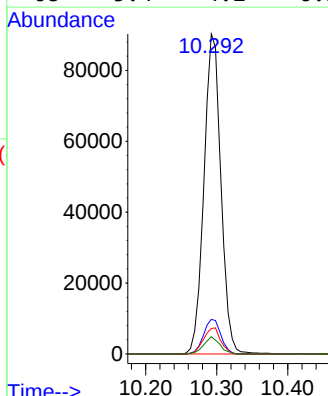
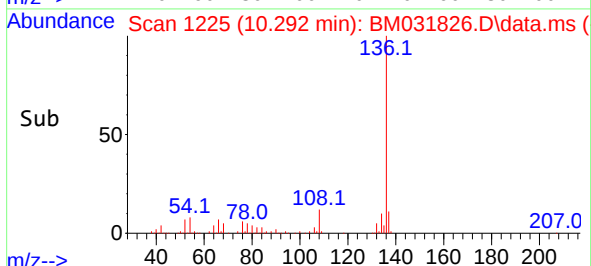
mohammad
8/20/2021 2:26:16 PM

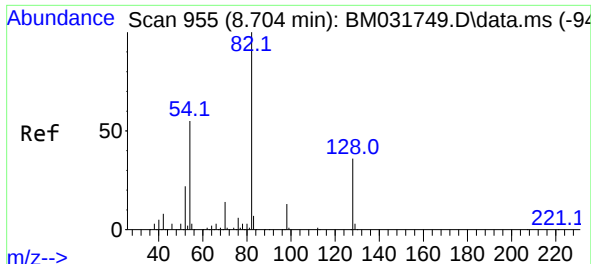


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.292 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BM031826.D
Acq: 19 Aug 2021 13:42



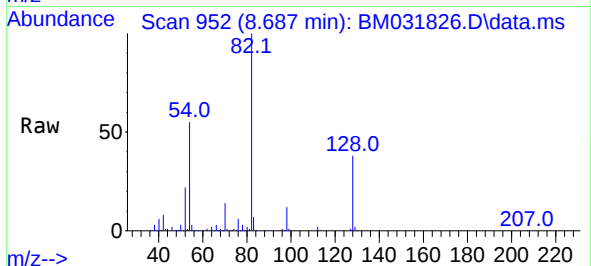
Tgt Ion: 136 Resp: 149958
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 8.0 5.5 8.3
68 5.4 4.2 6.2





#23
Nitrobenzene-d5
Concen: 54.800 ng
RT: 8.687 min Scan# 952
Delta R.T. -0.006 min
Lab File: BM031826.D
Acq: 19 Aug 2021 13:42

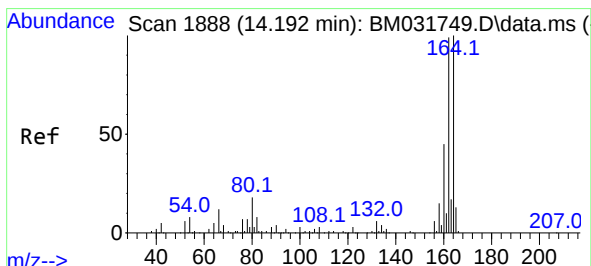
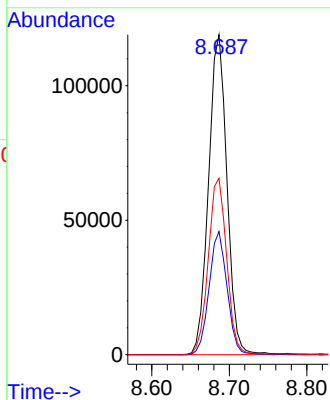
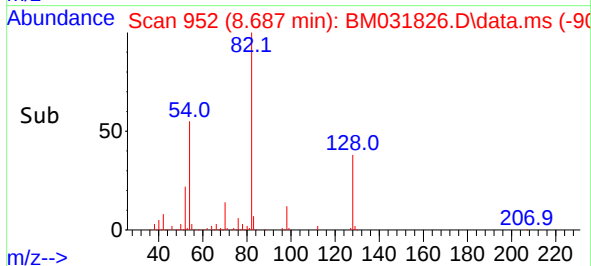
Instrument :
BNA_M
ClientSampleId :
SWCS-15-0002



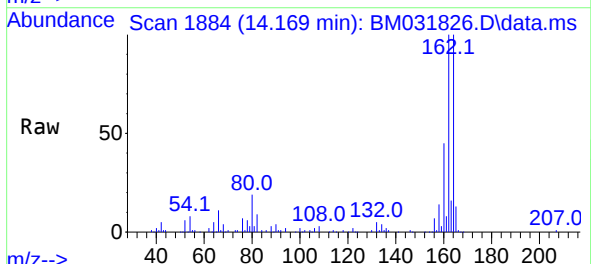
Tgt Ion: 82 Resp: 196262
Ion Ratio Lower Upper
82 100
128 38.5 31.1 46.7
54 55.1 37.3 55.9

Manual Integrations
APPROVED

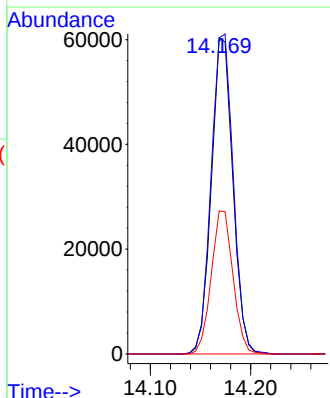
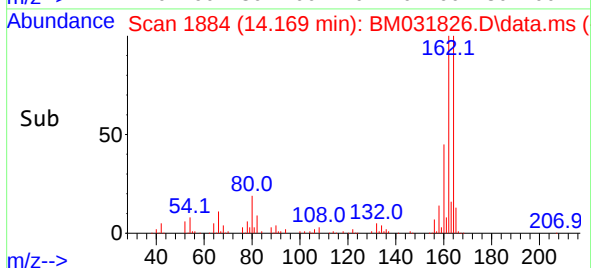
mohammad
8/20/2021 2:26:16 PM

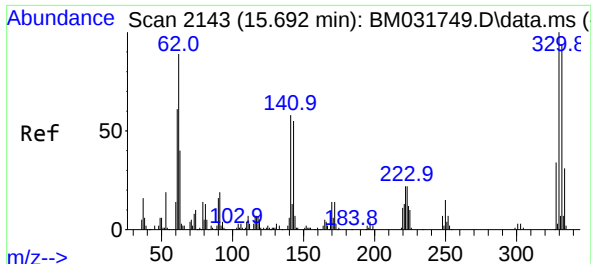


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.169 min Scan# 1884
Delta R.T. -0.012 min
Lab File: BM031826.D
Acq: 19 Aug 2021 13:42



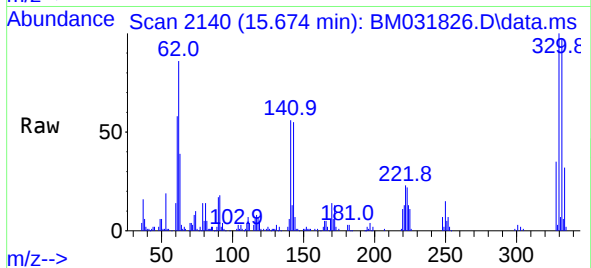
Tgt Ion: 164 Resp: 89567
Ion Ratio Lower Upper
164 100
162 99.9 83.4 125.0
160 45.2 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 78.393 ng
RT: 15.674 min Scan# 2140
Delta R.T. -0.006 min
Lab File: BM031826.D
Acq: 19 Aug 2021 13:42

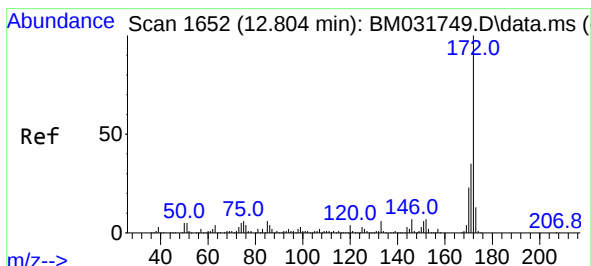
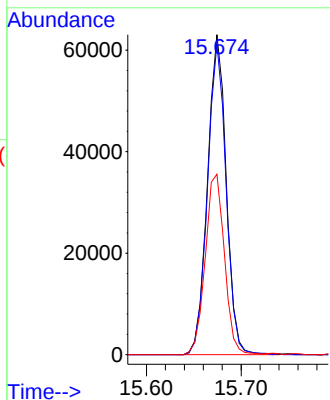
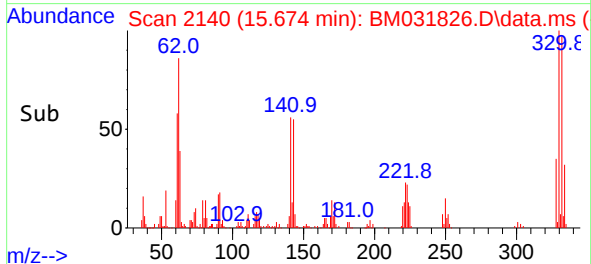
Instrument :
BNA_M
ClientSampleId :
SWCS-15-0002



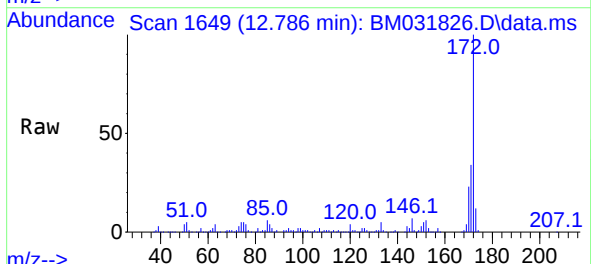
Tgt Ion:330 Resp: 86478
Ion Ratio Lower Upper
330 100
332 96.2 77.0 115.4
141 57.9 30.2 45.2#

Manual Integrations
APPROVED

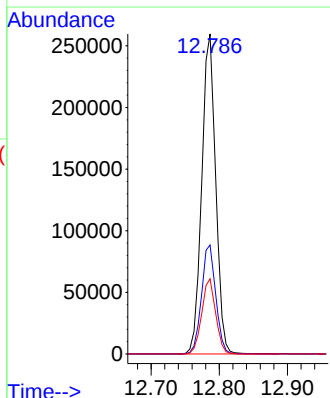
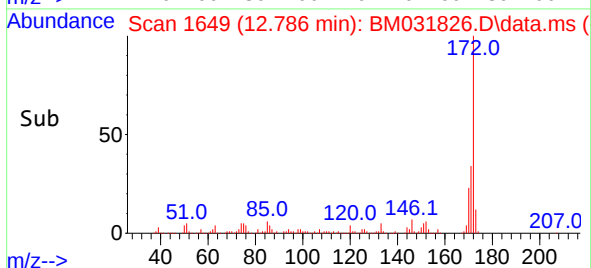
mohammad
8/20/2021 2:26:16 PM

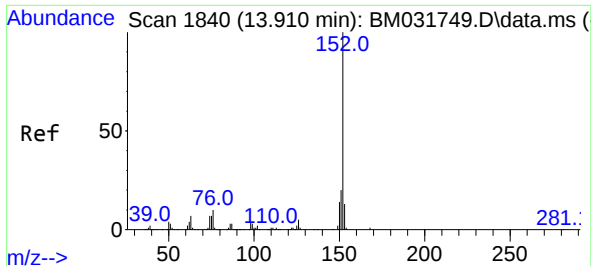


#45
2-Fluorobiphenyl
Concen: 54.889 ng
RT: 12.786 min Scan# 1649
Delta R.T. -0.006 min
Lab File: BM031826.D
Acq: 19 Aug 2021 13:42

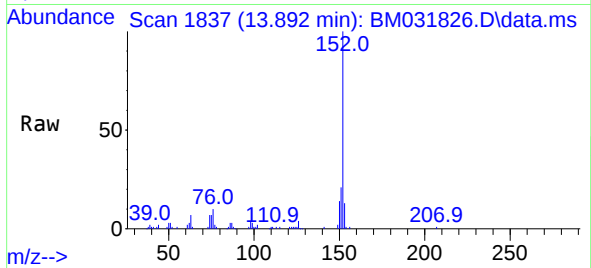


Tgt Ion:172 Resp: 369358
Ion Ratio Lower Upper
172 100
171 34.1 28.6 43.0
170 23.5 18.4 27.6

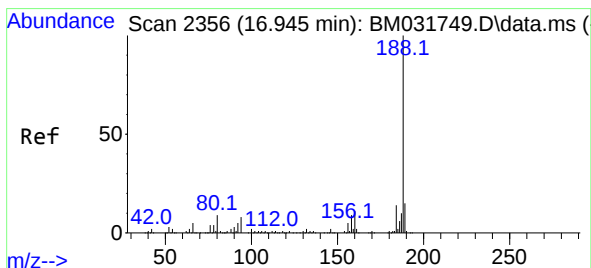
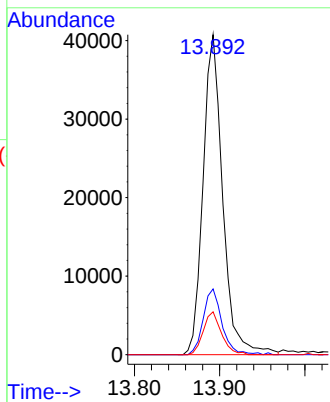
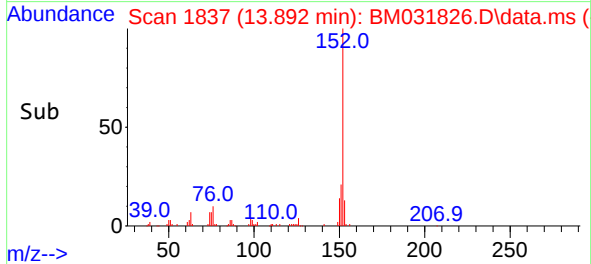




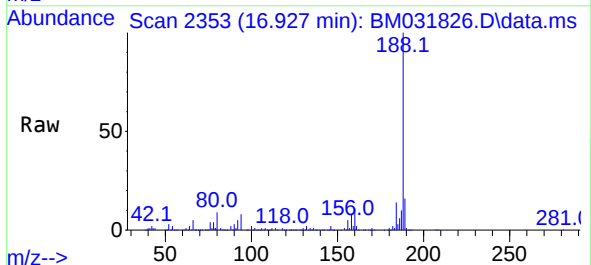
#49
Acenaphthylene
Concen: 7.209 ng
RT: 13.892 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BM031826.D
Acq: 19 Aug 2021 13:42



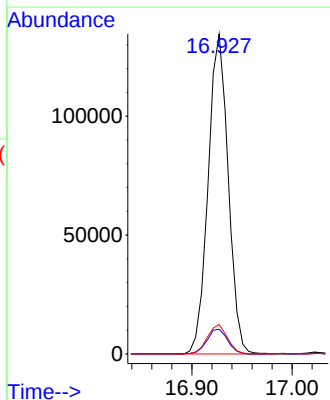
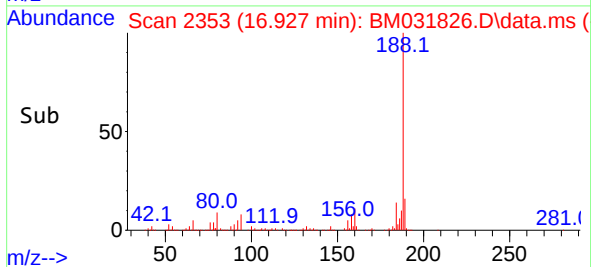
Tgt Ion:152 Resp: 65307
Ion Ratio Lower Upper
152 100
151 20.6 16.3 24.5
153 13.4 10.2 15.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.927 min Scan# 2353
Delta R.T. -0.006 min
Lab File: BM031826.D
Acq: 19 Aug 2021 13:42



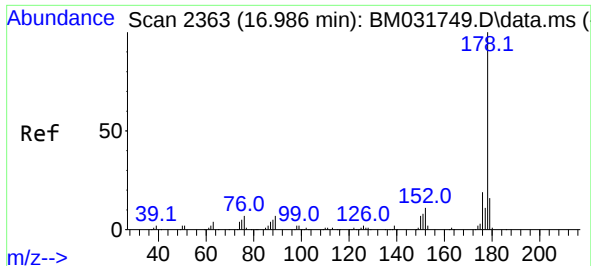
Tgt Ion:188 Resp: 187475
Ion Ratio Lower Upper
188 100
94 7.7 6.0 9.0
80 9.2 6.6 9.8



Instrument :
BNA_M
ClientSampleId :
SWCS-15-0002

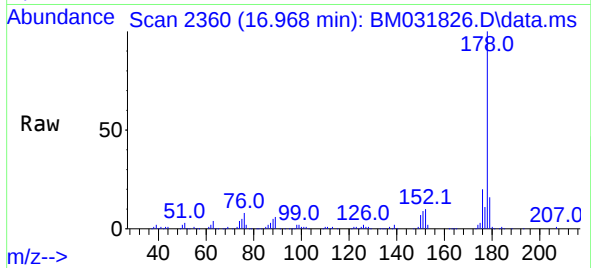
Manual Integrations
APPROVED

mohammad
8/20/2021 2:26:16 PM



#71
Phenanthrene
Concen: 11.667 ng
RT: 16.968 min Scan# 2360
Delta R.T. -0.006 min
Lab File: BM031826.D
Acq: 19 Aug 2021 13:42

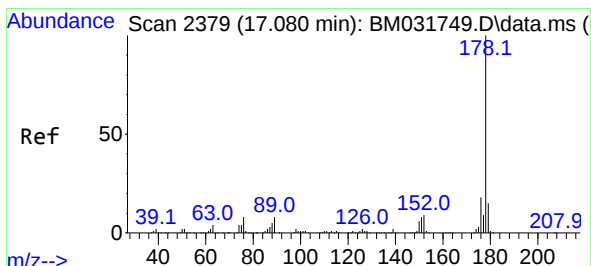
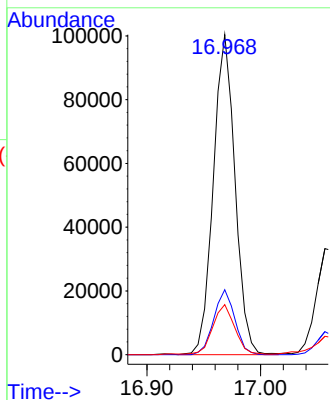
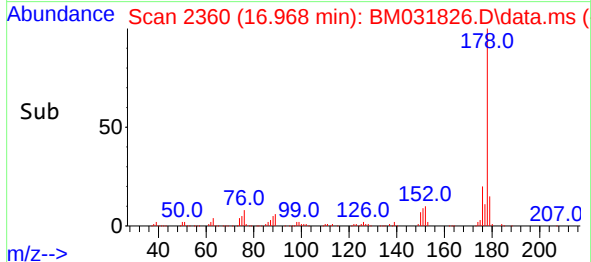
Instrument :
BNA_M
ClientSampleId :
SWCS-15-0002



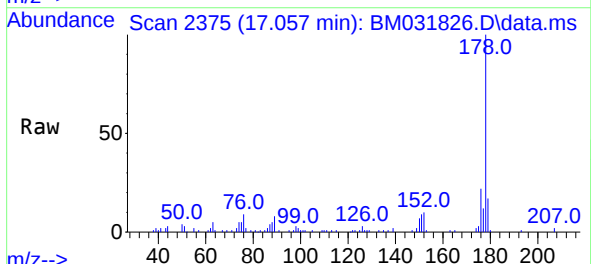
Tgt Ion:178 Resp: 133395
Ion Ratio Lower Upper
178 100
176 20.3 15.4 23.0
179 15.6 12.2 18.4

Manual Integrations
APPROVED

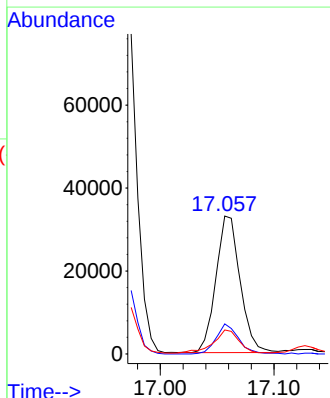
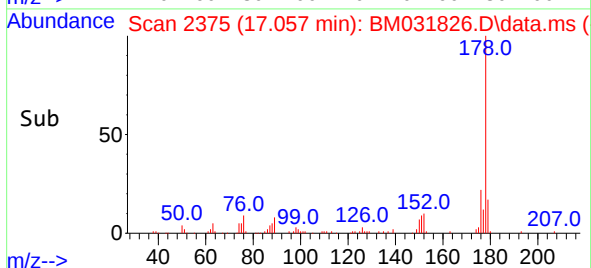
mohammad
8/20/2021 2:26:16 PM

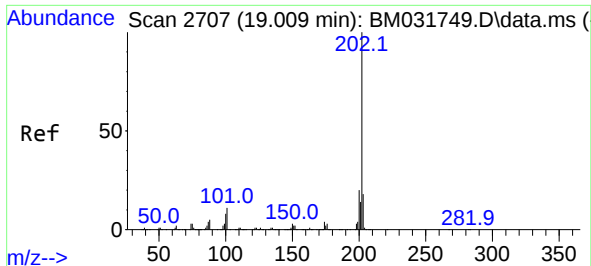


#72
Anthracene
Concen: 4.369 ng
RT: 17.057 min Scan# 2375
Delta R.T. -0.012 min
Lab File: BM031826.D
Acq: 19 Aug 2021 13:42



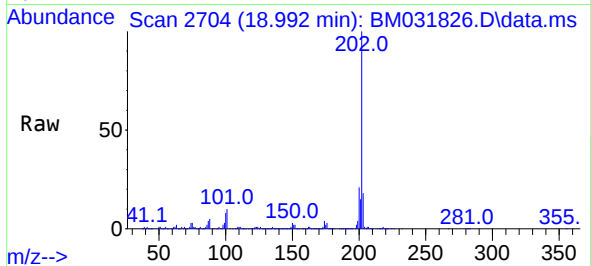
Tgt Ion:178 Resp: 48967
Ion Ratio Lower Upper
178 100
176 21.8 15.0 22.4
179 17.4 12.5 18.7





#75
Fluoranthene
Concen: 25.455 ng
RT: 18.992 min Scan# 2704
Delta R.T. -0.006 min
Lab File: BM031826.D
Acq: 19 Aug 2021 13:42

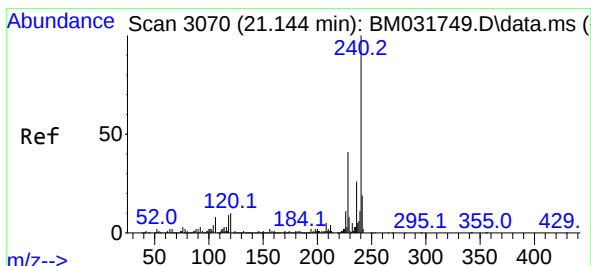
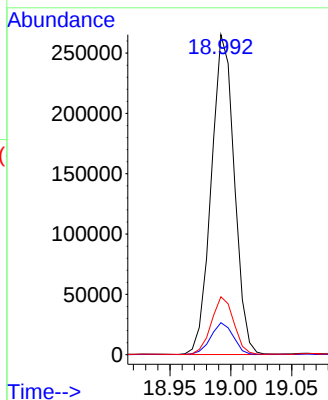
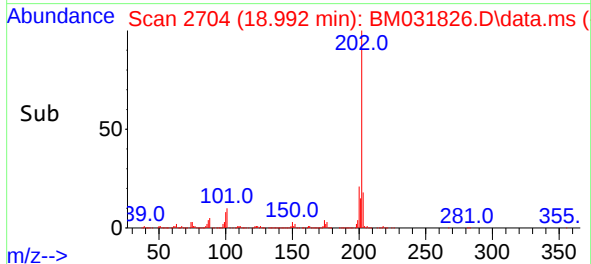
Instrument :
BNA_M
ClientSampleId :
SWCS-15-0002



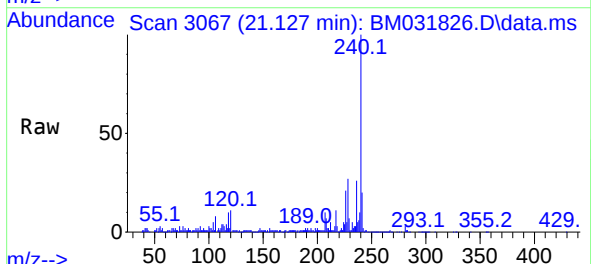
Tgt Ion:202 Resp: 348609
Ion Ratio Lower Upper
202 100
101 10.0 0.0 28.6
203 18.1 0.0 37.3

Manual Integrations
APPROVED

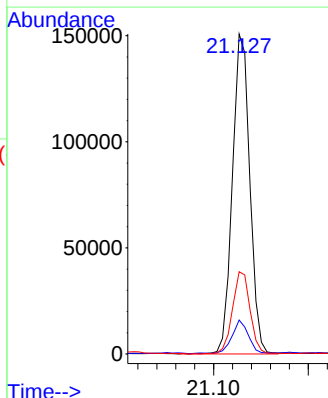
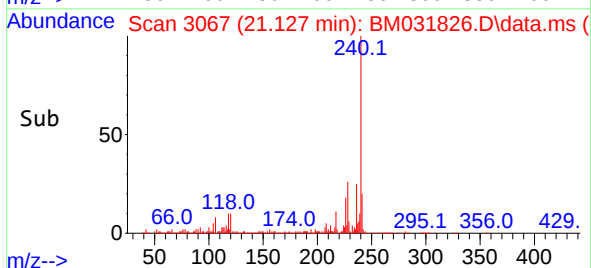
mohammad
8/20/2021 2:26:16 PM

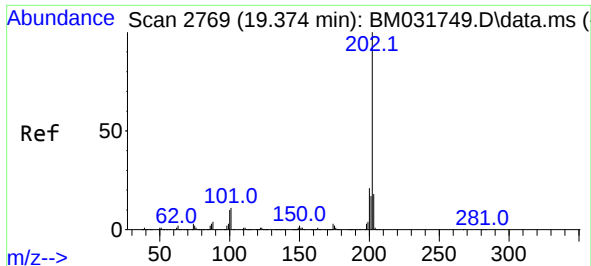


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.127 min Scan# 3067
Delta R.T. -0.006 min
Lab File: BM031826.D
Acq: 19 Aug 2021 13:42



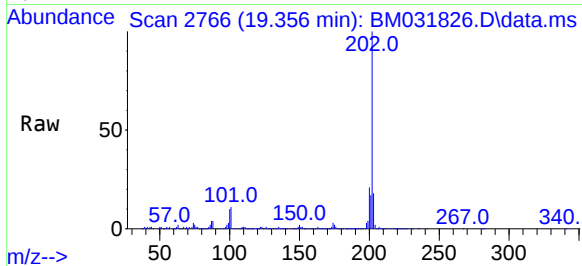
Tgt Ion:240 Resp: 192079
Ion Ratio Lower Upper
240 100
120 10.6 7.0 10.6#
236 25.7 21.0 31.4





#78
Pyrene
Concen: 24.265 ng
RT: 19.356 min Scan# 2766
Delta R.T. -0.006 min
Lab File: BM031826.D
Acq: 19 Aug 2021 13:42

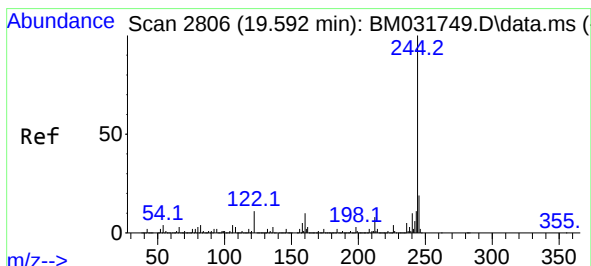
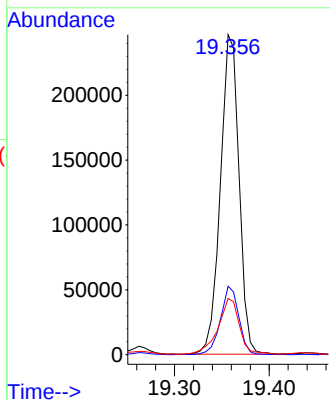
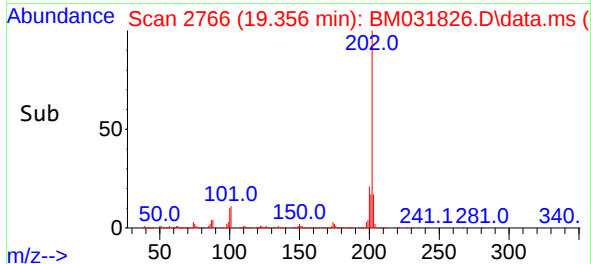
Instrument :
BNA_M
ClientSampleId :
SWCS-15-0002



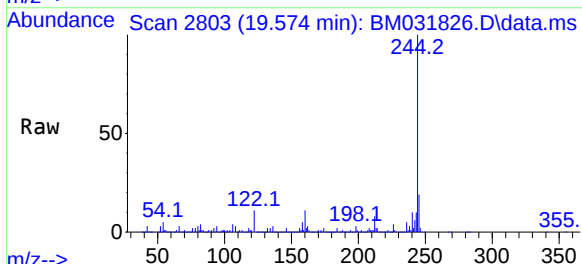
Tgt Ion:202 Resp: 337642
Ion Ratio Lower Upper
202 100
200 21.4 17.3 25.9
203 17.5 13.9 20.9

Manual Integrations
APPROVED

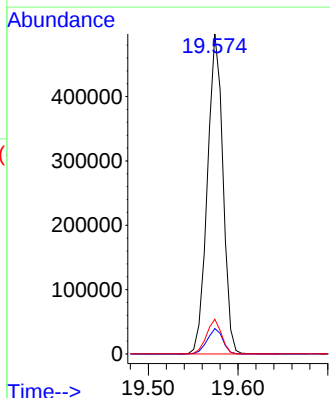
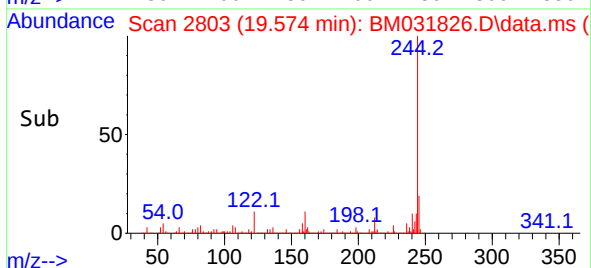
mohammad
8/20/2021 2:26:16 PM

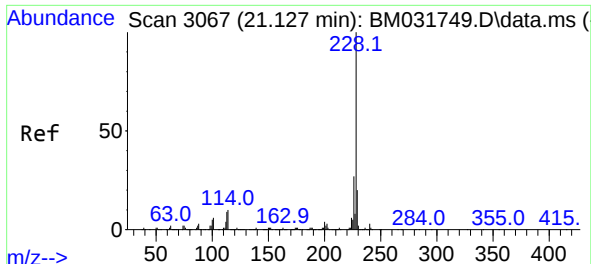


#79
Terphenyl-d14
Concen: 52.513 ng
RT: 19.574 min Scan# 2803
Delta R.T. -0.006 min
Lab File: BM031826.D
Acq: 19 Aug 2021 13:42



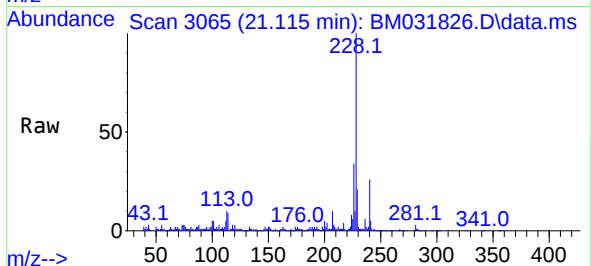
Tgt Ion:244 Resp: 598662
Ion Ratio Lower Upper
244 100
212 7.9 6.3 9.5
122 10.8 6.9 10.3#





#81
Benzo(a)anthracene
Concen: 12.605 ng m
RT: 21.115 min Scan# 3065
Delta R.T. -0.006 min
Lab File: BM031826.D
Acq: 19 Aug 2021 13:42

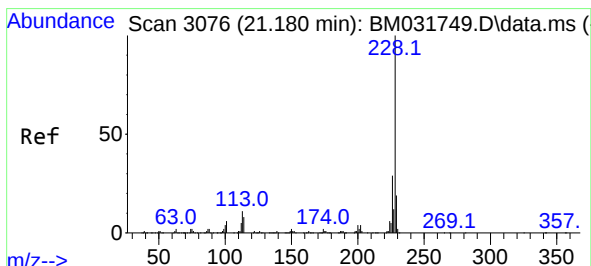
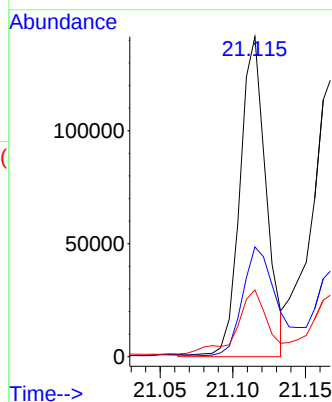
Instrument :
BNA_M
ClientSampleId :
SWCS-15-0002



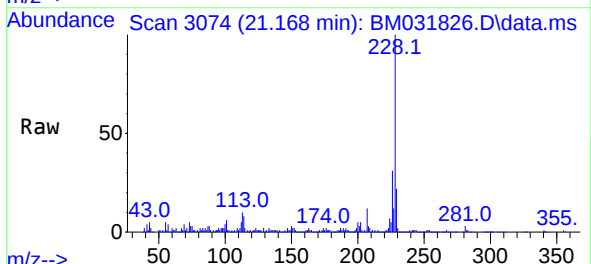
Tgt Ion:228 Resp: 177342
Ion Ratio Lower Upper
228 100
226 34.3 22.3 33.5#
229 20.9 15.7 23.5

Manual Integrations
APPROVED

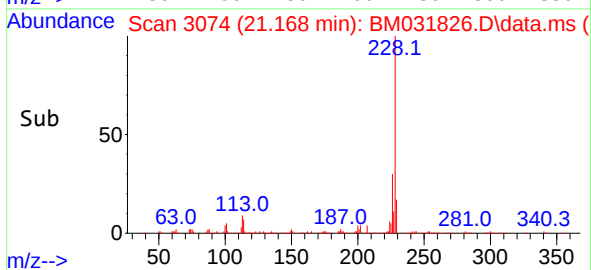
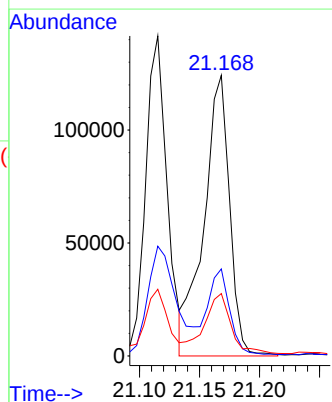
mohammad
8/20/2021 2:26:16 PM

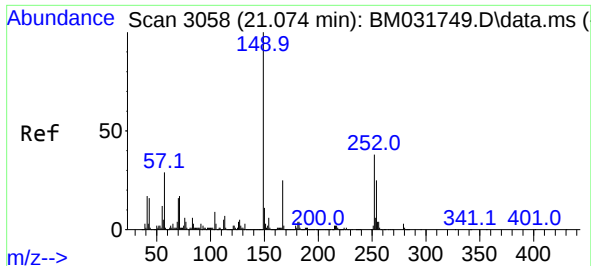


#83
Chrysene
Concen: 13.589 ng m
RT: 21.168 min Scan# 3074
Delta R.T. -0.006 min
Lab File: BM031826.D
Acq: 19 Aug 2021 13:42

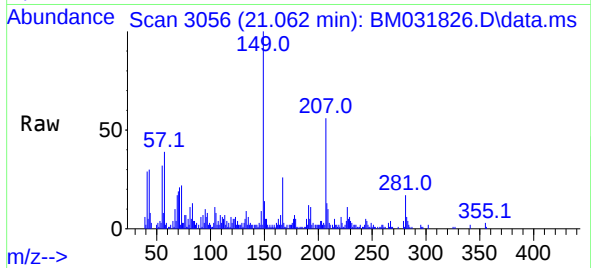


Tgt Ion:228 Resp: 186357
Ion Ratio Lower Upper
228 100
226 31.0 24.6 36.8
229 22.2 15.5 23.3

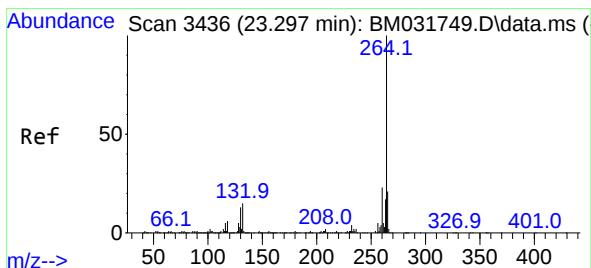
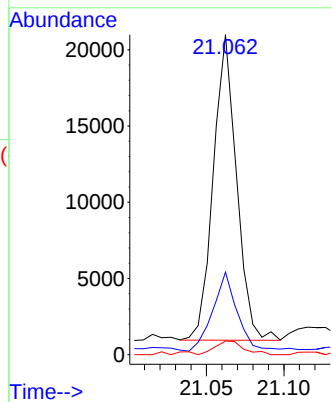
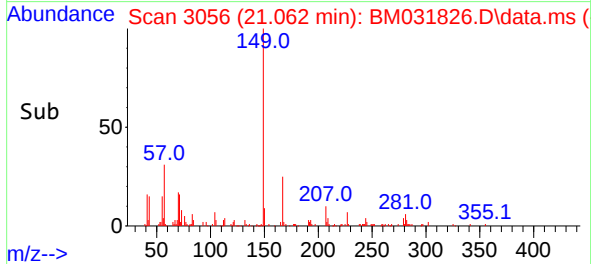




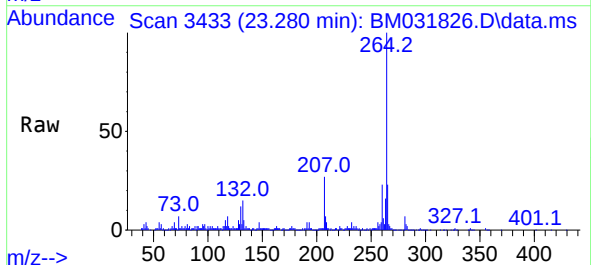
#84
Bis(2-ethylhexyl)phthalate
Concen: 2.031 ng
RT: 21.062 min Scan# 3056
Delta R.T. -0.006 min
Lab File: BM031826.D
Acq: 19 Aug 2021 13:42



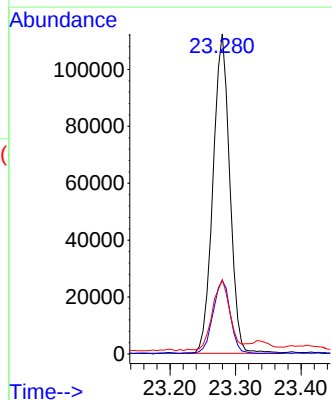
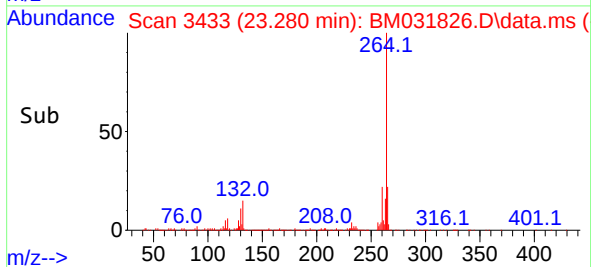
Tgt Ion:149 Resp: 20929
Ion Ratio Lower Upper
149 100
167 25.8 22.6 33.8
279 4.2 3.8 5.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.280 min Scan# 3433
Delta R.T. 0.000 min
Lab File: BM031826.D
Acq: 19 Aug 2021 13:42



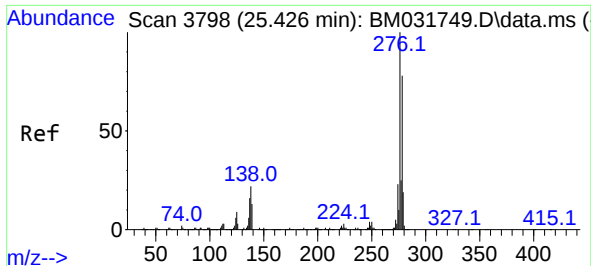
Tgt Ion:264 Resp: 199400
Ion Ratio Lower Upper
264 100
260 22.9 19.8 29.8
265 23.2 17.7 26.5



Instrument :
BNA_M
ClientSampleId :
SWCS-15-0002

Manual Integrations
APPROVED

mohammad
8/20/2021 2:26:16 PM



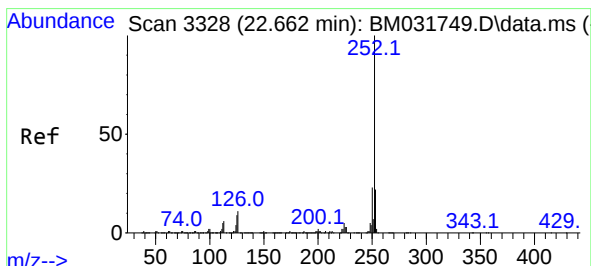
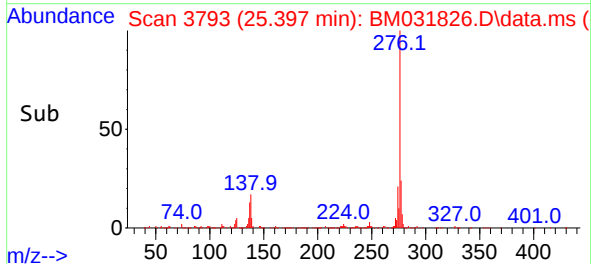
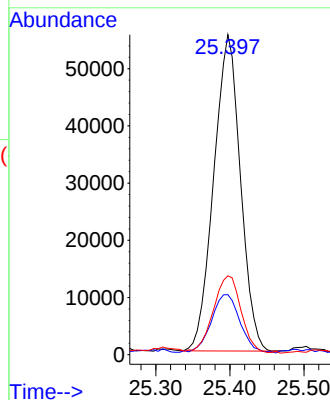
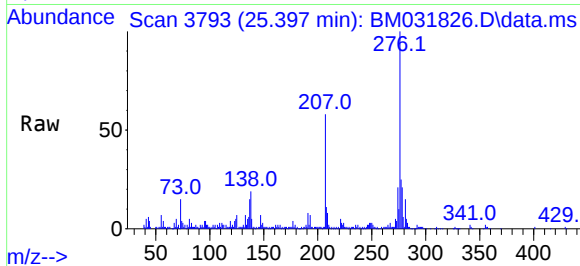
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.847 ng
RT: 25.397 min Scan# 3793
Delta R.T. -0.012 min
Lab File: BM031826.D
Acq: 19 Aug 2021 13:42

Tgt Ion: 276 Resp: 138373
Ion Ratio Lower Upper
276 100
138 19.9 17.1 25.7
277 25.7 20.3 30.5

Instrument :
BNA_M
ClientSampleId :
SWCS-15-0002

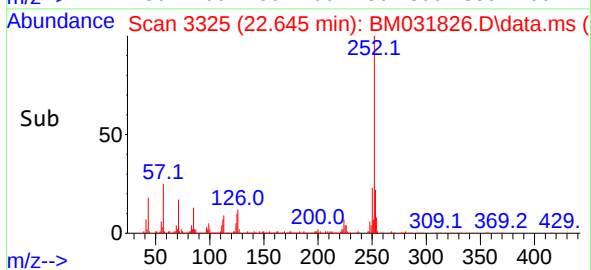
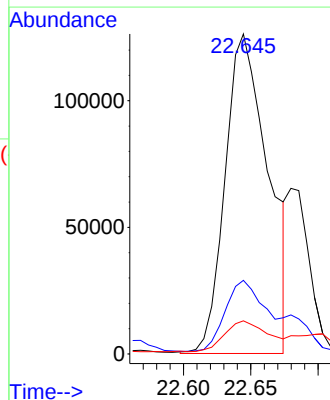
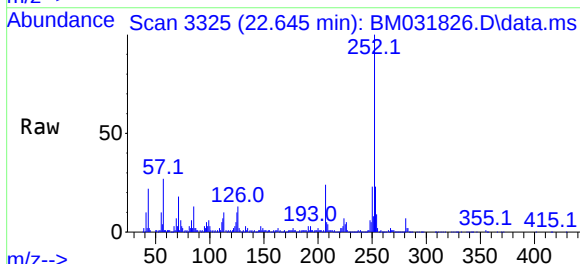
Manual Integrations
APPROVED

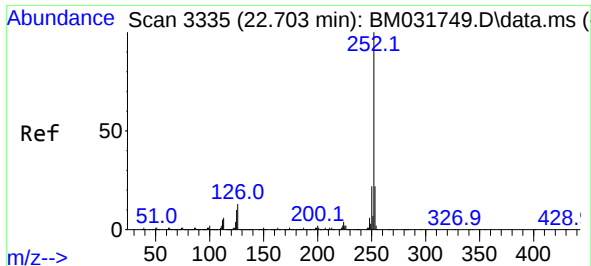
mohammad
8/20/2021 2:26:16 PM



#88
Benzo(b)fluoranthene
Concen: 18.746 ng m
RT: 22.645 min Scan# 3325
Delta R.T. 0.000 min
Lab File: BM031826.D
Acq: 19 Aug 2021 13:42

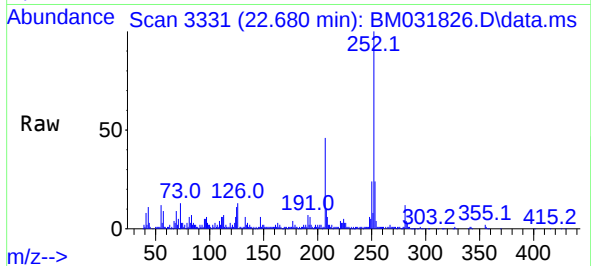
Tgt Ion: 252 Resp: 280648
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 10.4 6.8 10.2#





#89
Benzo(k)fluoranthene
Concen: 5.143 ng m
RT: 22.680 min Scan# 3331
Delta R.T. -0.012 min
Lab File: BM031826.D
Acq: 19 Aug 2021 13:42

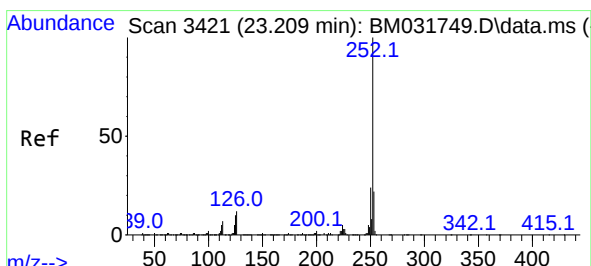
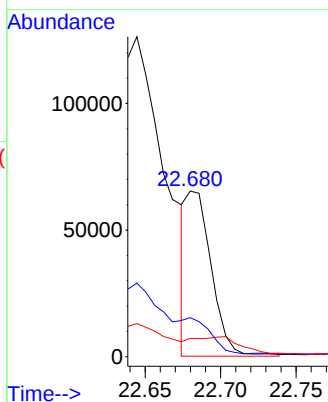
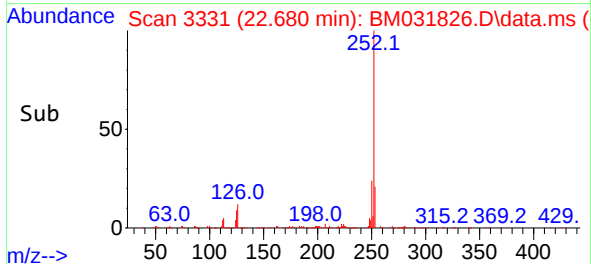
Instrument :
BNA_M
ClientSampleId :
SWCS-15-0002



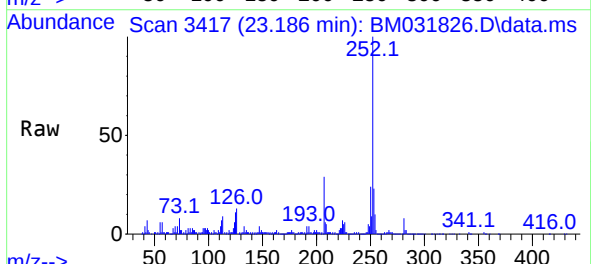
Tgt Ion:252 Resp: 74313
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 11.0 6.2 9.2#

Manual Integrations
APPROVED

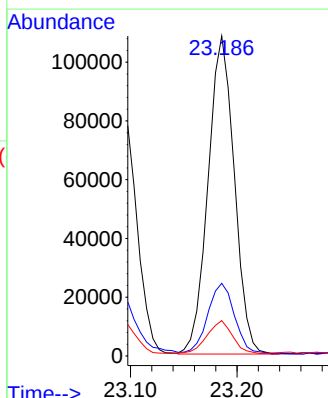
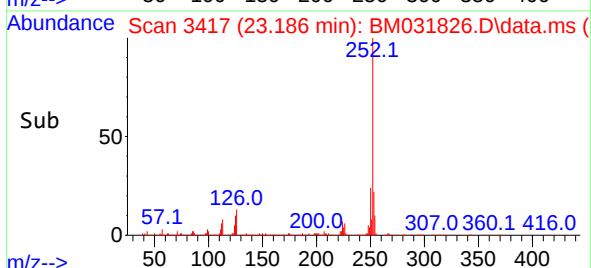
mohammad
8/20/2021 2:26:16 PM

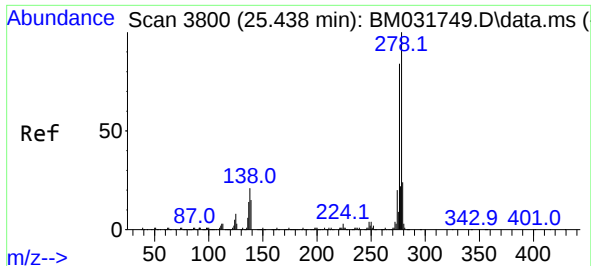


#90
Benzo(a)pyrene
Concen: 13.981 ng
RT: 23.186 min Scan# 3417
Delta R.T. -0.006 min
Lab File: BM031826.D
Acq: 19 Aug 2021 13:42



Tgt Ion:252 Resp: 185317
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 11.1 7.3 10.9#





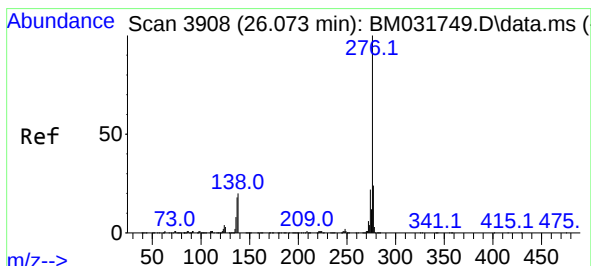
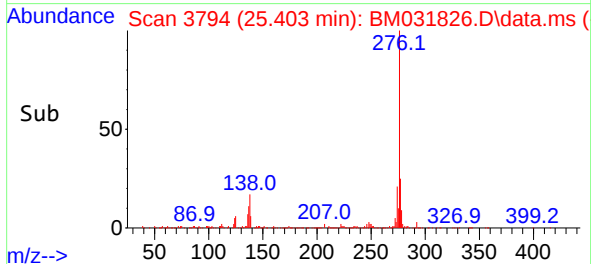
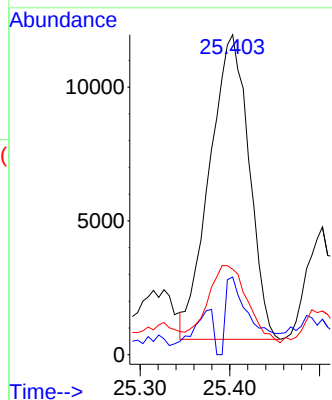
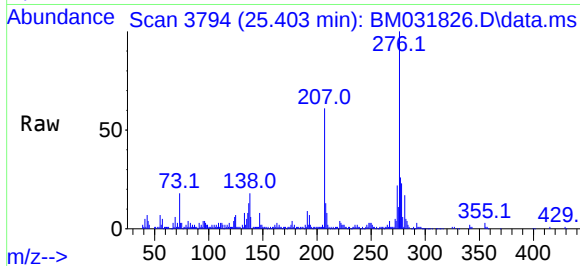
#91
Dibenzo(a,h)anthracene
Concen: 2.806 ng
RT: 25.403 min Scan# 3794
Delta R.T. -0.018 min
Lab File: BM031826.D
Acq: 19 Aug 2021 13:42

Tgt Ion: 278 Resp: 34678
Ion Ratio Lower Upper
278 100
139 24.2 11.0 16.4#
279 26.7 18.7 28.1

Instrument :
BNA_M
ClientSampleId :
SWCS-15-0002

Manual Integrations
APPROVED

mohammad
8/20/2021 2:26:16 PM



#92
Benzo(g,h,i)perylene
Concen: 12.405 ng
RT: 26.050 min Scan# 3904
Delta R.T. 0.000 min
Lab File: BM031826.D
Acq: 19 Aug 2021 13:42

Tgt Ion: 276 Resp: 139601
Ion Ratio Lower Upper
276 100
277 24.2 19.4 29.2
138 18.3 14.4 21.6

