

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031021\
 Data File : BM029083.D
 Acq On : 10 Mar 2021 23:15
 Operator : CG/JU
 Sample : M1598-01DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-02-030821DL

Manual Integrations
 APPROVED

mohammad
 3/11/2021 9:26:32 AM

Quant Time: Mar 11 00:13:56 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 09 10:08:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	11285	20.00	ng	0.00
21) Naphthalene-d8	10.457	136	48266	20.00	ng	# 0.00
39) Acenaphthene-d10	14.333	164	30131	20.00	ng	0.00
64) Phenanthrene-d10	17.080	188	63328	20.00	ng	0.00
76) Chrysene-d12	21.256	240	51991	20.00	ng	# 0.00
86) Perylene-d12	23.415	264	52934	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.240	112	14893	21.87	ng	0.00
7) Phenol-d6	6.863	99	18102	20.13	ng	0.00
23) Nitrobenzene-d5	8.839	82	8490	9.49	ng	0.00
42) 2,4,6-Tribromophenol	15.833	330	4830	13.53	ng	0.00
45) 2-Fluorobiphenyl	12.945	172	28968	12.80	ng	0.00
79) Terphenyl-d14	19.703	244	39925	14.18	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.398	154	5066	2.73	ng	98
58) Fluorene	15.386	166	7094	3.03	ng	99
71) Phenanthrene	17.121	178	56872	15.08	ng	100
72) Anthracene	17.215	178	21389	5.73	ng	100
75) Fluoranthene	19.139	202	124618	30.07	ng	99
78) Pyrene	19.503	202	106952	28.00	ng	99
81) Benzo(a)anthracene	21.239	228	53726	14.89	ng	98
83) Chrysene	21.291	228	45499	12.94	ng	98
87) Indeno(1,2,3-cd)pyrene	25.568	276	28696	7.18	ng	# 93
88) Benzo(b)fluoranthene	22.774	252	63585m	17.00	ng	
89) Benzo(k)fluoranthene	22.809	252	15900m	4.48	ng	
90) Benzo(a)pyrene	23.321	252	45956	13.47	ng	# 91
91) Dibenzo(a,h)anthracene	25.568	278	7077	2.04	ng	# 74
92) Benzo(g,h,i)perylene	26.226	276	27430	8.18	ng	# 86

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

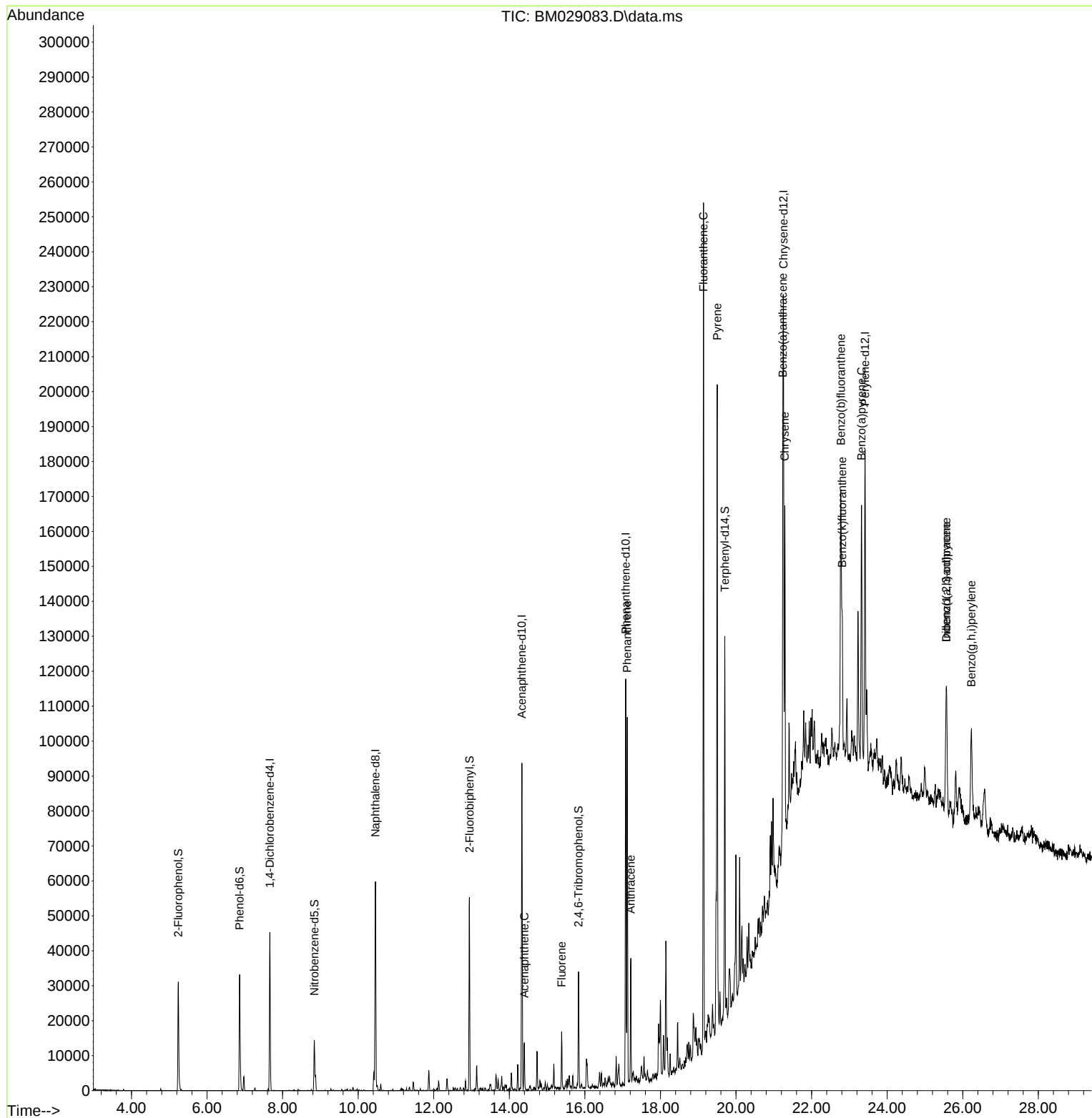
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031021\
Data File : BM029083.D
Acq On : 10 Mar 2021 23:15
Operator : CG/JU
Sample : M1598-01DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-030821DL

Manual Integrations
APPROVED

mohammad
3/11/2021 9:26:32 AM

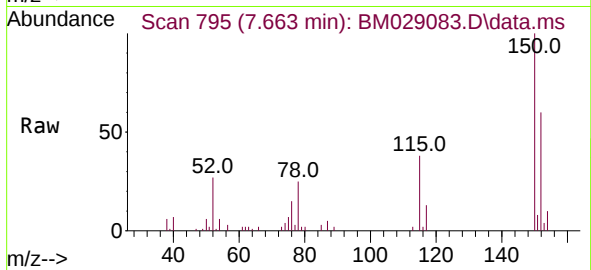
Quant Time: Mar 11 00:13:56 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 09 10:08:02 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.663 min Scan# 795
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

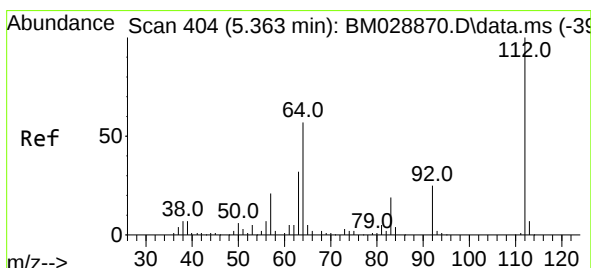
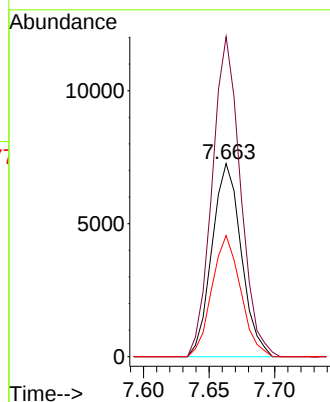
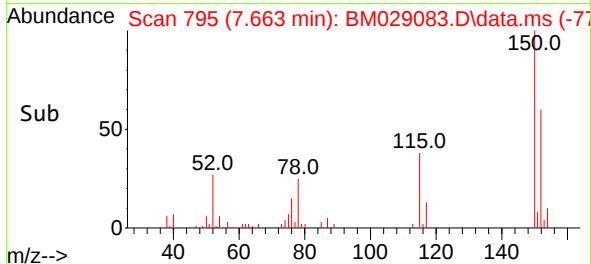
Instrument :
BNA_M
ClientSampleId :
OR-02-030821DL



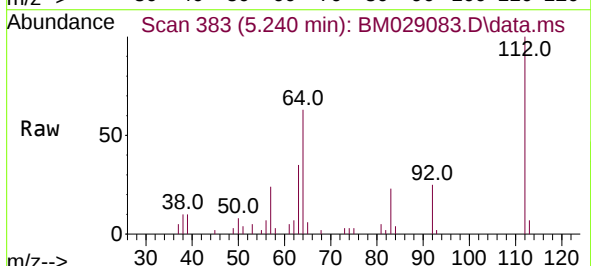
Tgt Ion:152 Resp: 11285
Ion Ratio Lower Upper
152 100
150 165.6 120.6 181.0
115 62.7 47.2 70.8

Manual Integrations
APPROVED

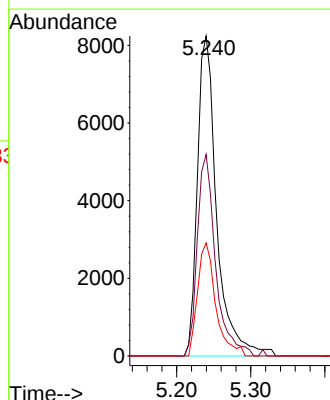
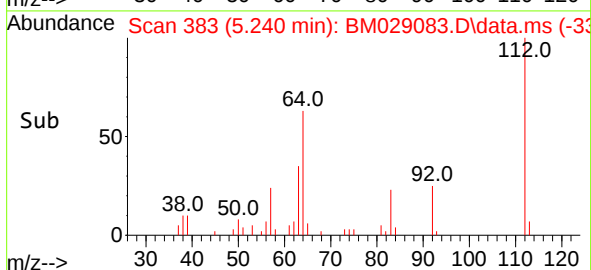
mohammad
3/11/2021 9:26:32 AM



#5
2-Fluorophenol
Concen: 21.87 ng
RT: 5.240 min Scan# 383
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15



Tgt Ion:112 Resp: 14893
Ion Ratio Lower Upper
112 100
64 63.0 50.6 76.0
63 35.3 31.0 46.6





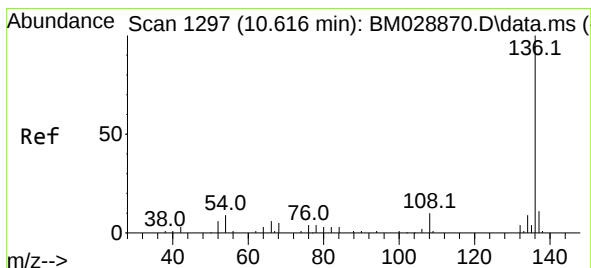
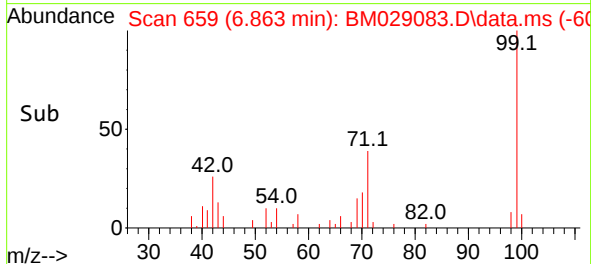
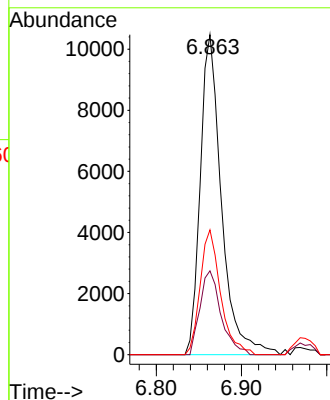
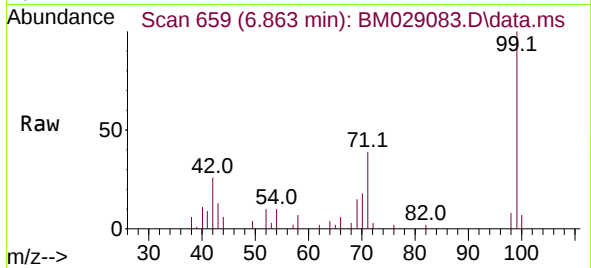
#7
Phenol-d6
Concen: 20.13 ng
RT: 6.863 min Scan# 659
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

Tgt Ion:	99	Resp:	18102
Ion	Ratio	Lower	Upper
99	100		
42	26.2	13.5	20.3#
71	39.0	39.4	59.0#

Instrument :
BNA_M
ClientSampleId :
OR-02-030821DL

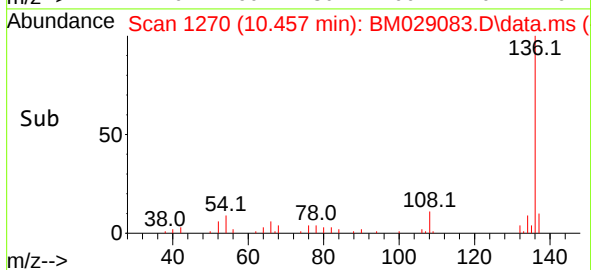
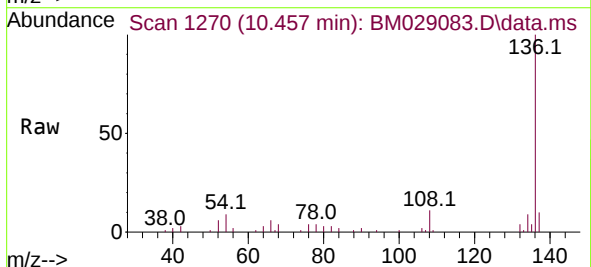
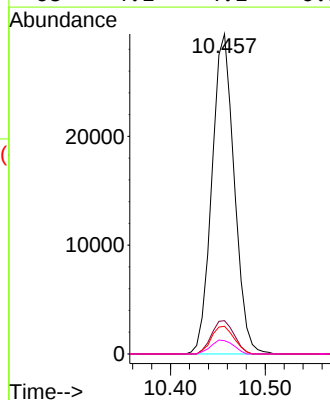
Manual Integrations
APPROVED

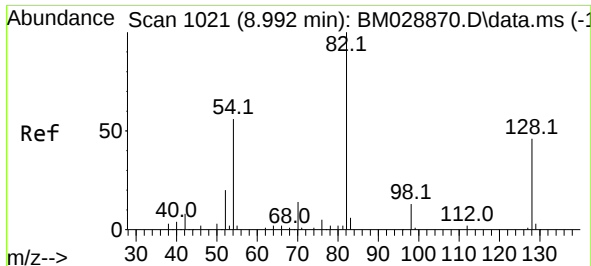
mohammad
3/11/2021 9:26:32 AM



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.457 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

Tgt Ion:	136	Resp:	48266
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.6	12.8
54	8.7	4.6	7.0#
68	4.1	4.1	6.1





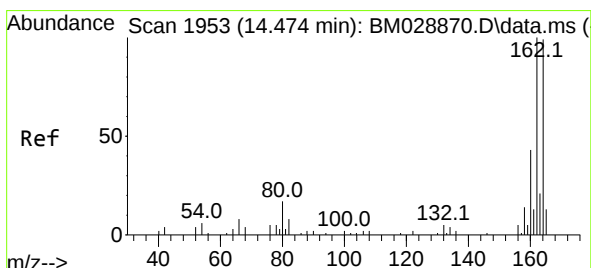
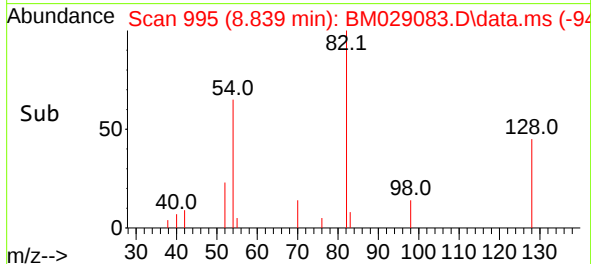
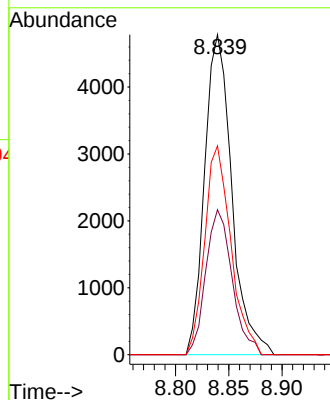
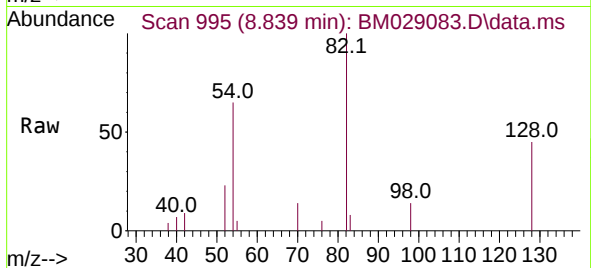
#23
Nitrobenzene-d5
Concen: 9.49 ng
RT: 8.839 min Scan# 995
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

Instrument :
BNA_M
ClientSampleId :
OR-02-030821DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.3	27.4	41.0#
54	65.2	31.4	47.0#

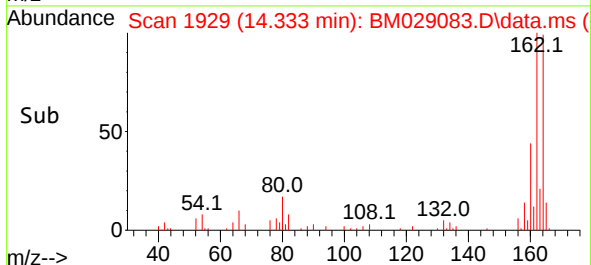
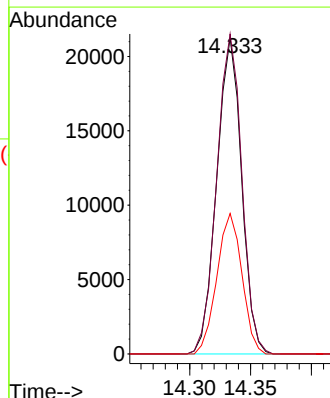
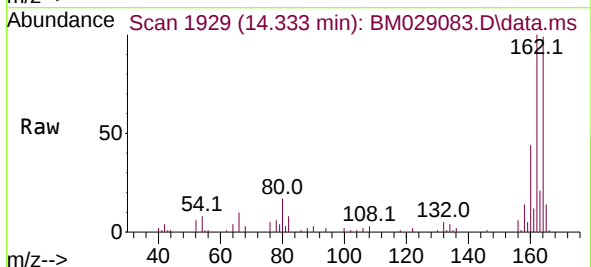
Manual Integrations
APPROVED

mohammad
3/11/2021 9:26:32 AM



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.333 min Scan# 1929
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

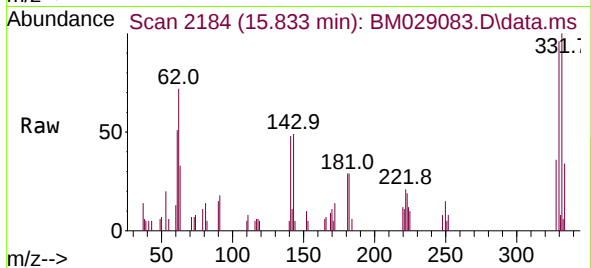
Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.4	120.6
160	44.5	35.9	53.9





#42
2,4,6-Tribromophenol
Concen: 13.53 ng
RT: 15.833 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

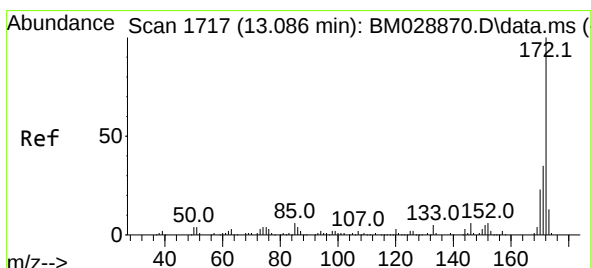
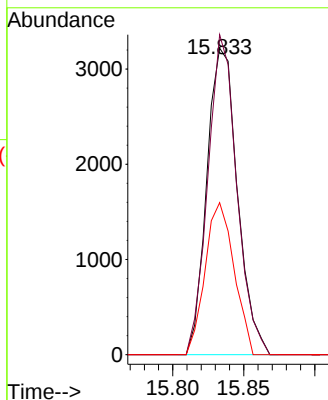
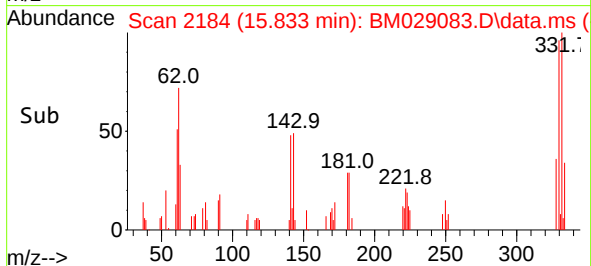
Instrument :
BNA_M
ClientSampleID :
OR-02-030821DL



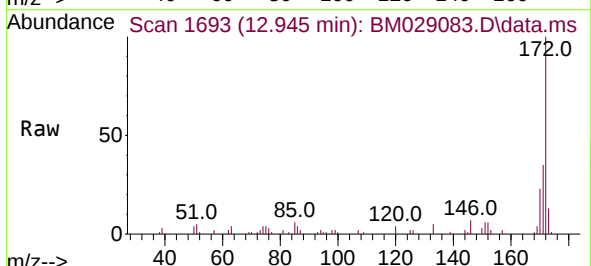
Tgt Ion:330 Resp: 4830
Ion Ratio Lower Upper
330 100
332 98.5 77.8 116.8
141 46.8 28.4 42.6#

Manual Integrations
APPROVED

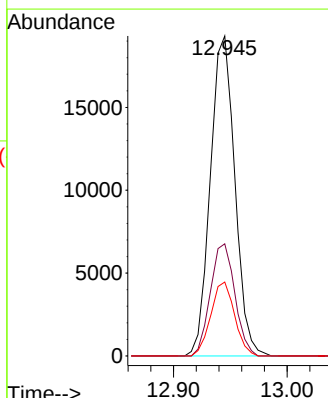
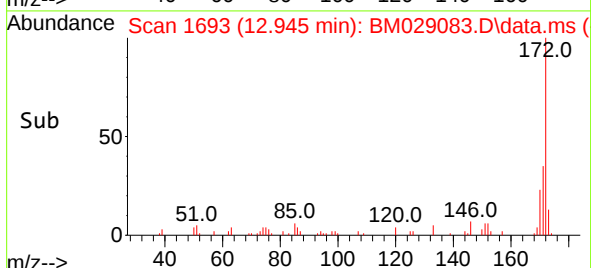
mohammad
3/11/2021 9:26:32 AM

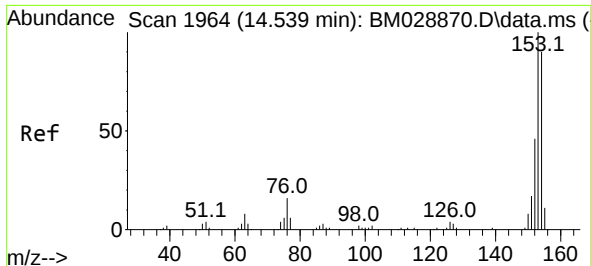


#45
2-Fluorobiphenyl
Concen: 12.80 ng
RT: 12.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15



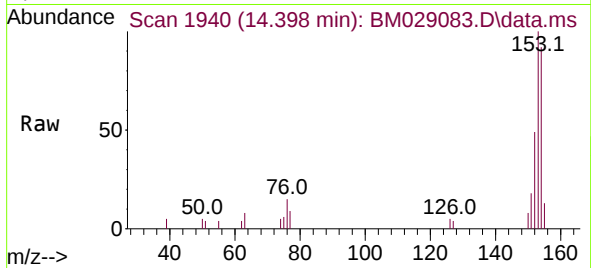
Tgt Ion:172 Resp: 28968
Ion Ratio Lower Upper
172 100
171 35.1 27.8 41.8
170 23.1 18.6 27.8





#52
Acenaphthene
Concen: 2.73 ng
RT: 14.398 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

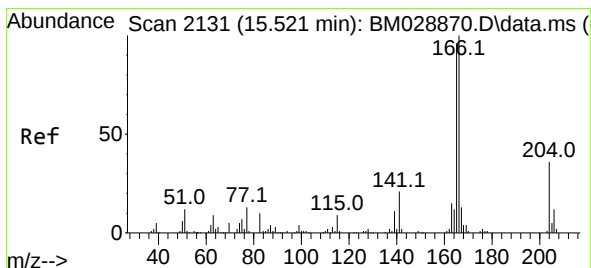
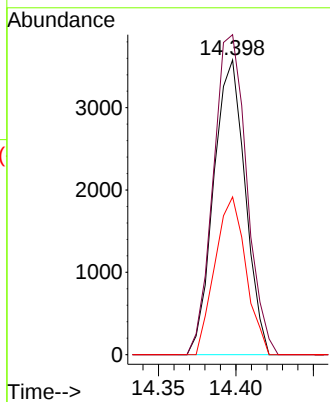
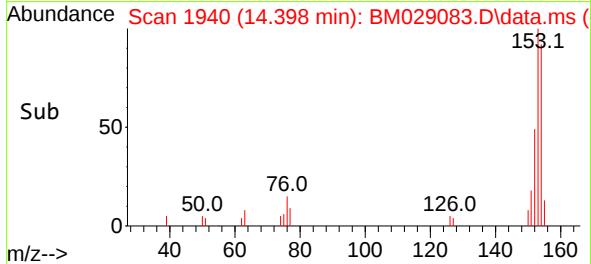
Instrument :
BNA_M
ClientSampleId :
OR-02-030821DL



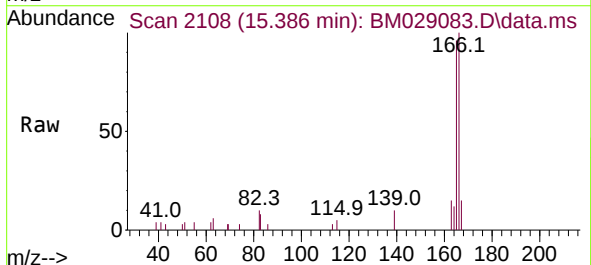
Tgt Ion:154 Resp: 5066
Ion Ratio Lower Upper
154 100
153 108.6 88.3 132.5
152 53.5 41.4 62.2

Manual Integrations
APPROVED

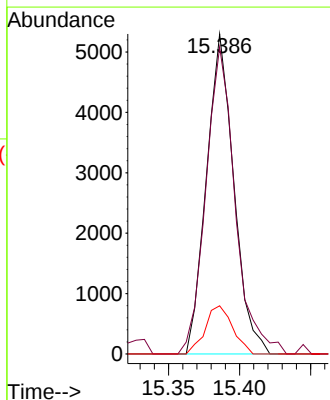
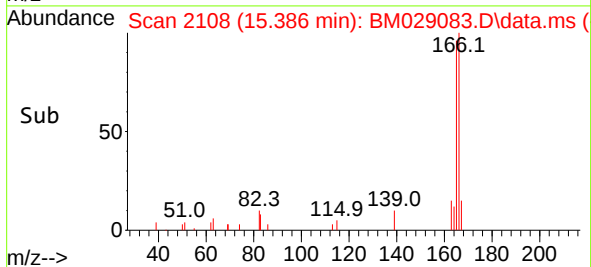
mohammad
3/11/2021 9:26:32 AM

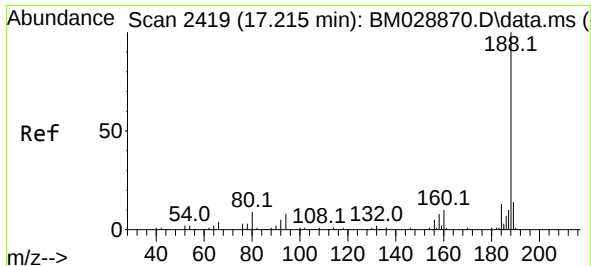


#58
Fluorene
Concen: 3.03 ng
RT: 15.386 min Scan# 2108
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15



Tgt Ion:166 Resp: 7094
Ion Ratio Lower Upper
166 100
165 96.0 76.2 114.2
167 15.0 10.7 16.1





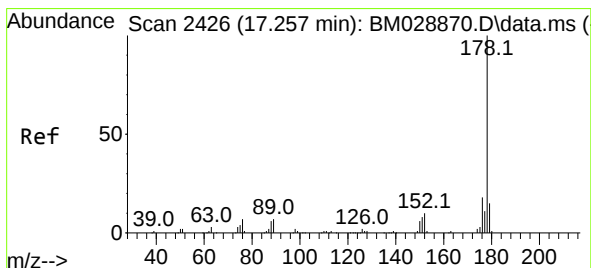
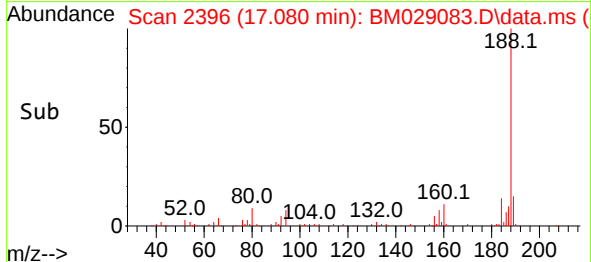
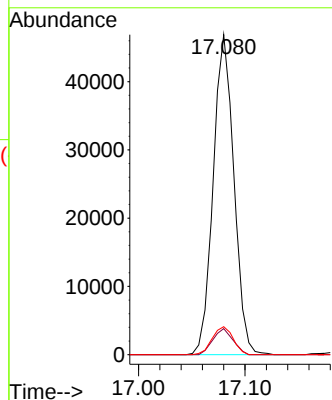
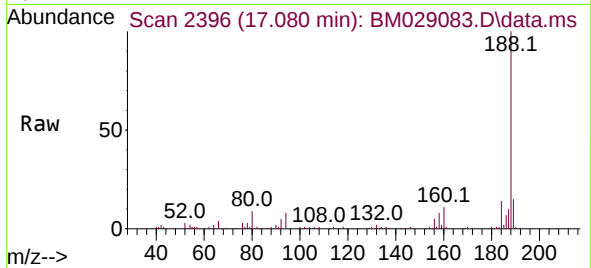
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.080 min Scan# 2396
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

Tgt Ion:188 Resp: 63328
Ion Ratio Lower Upper
188 100
94 8.1 6.2 9.4
80 8.8 7.5 11.3

Instrument :
BNA_M
ClientSampleId :
OR-02-030821DL

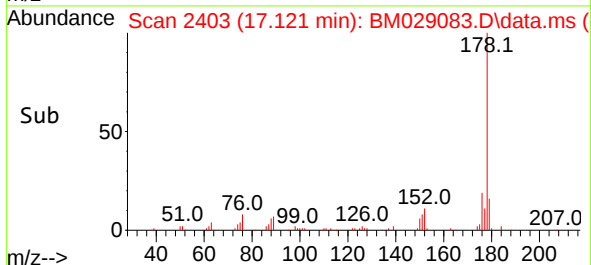
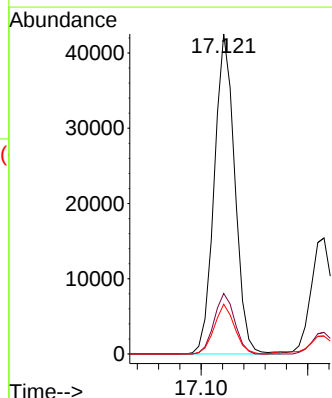
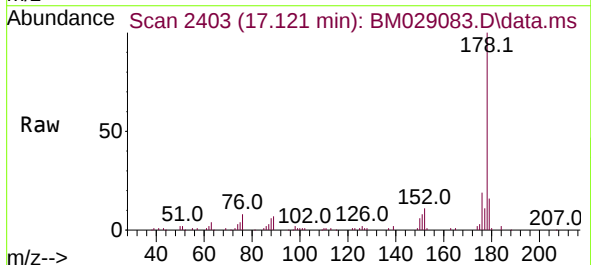
Manual Integrations
APPROVED

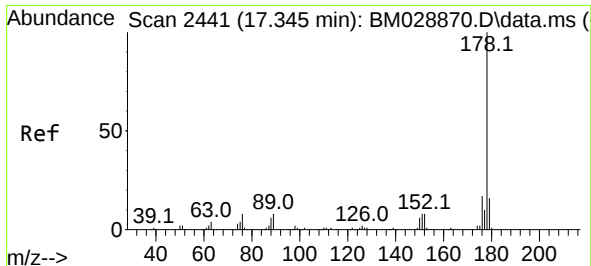
mohammad
3/11/2021 9:26:32 AM



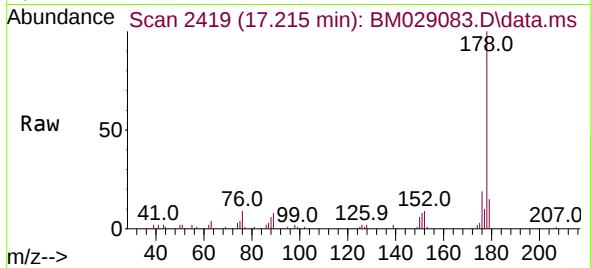
#71
Phenanthrene
Concen: 15.08 ng
RT: 17.121 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

Tgt Ion:178 Resp: 56872
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.6
179 15.6 12.2 18.4

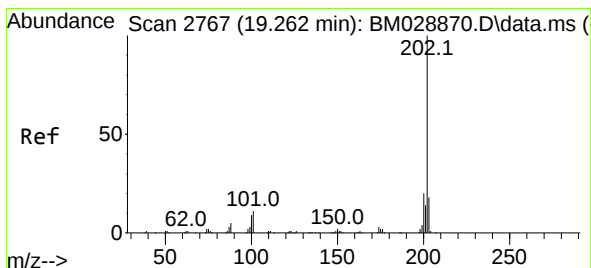
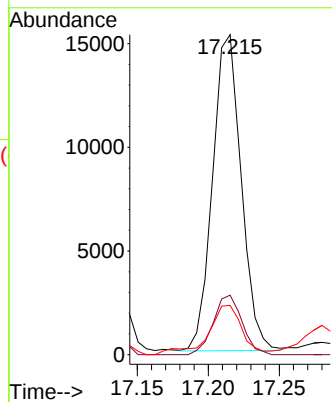
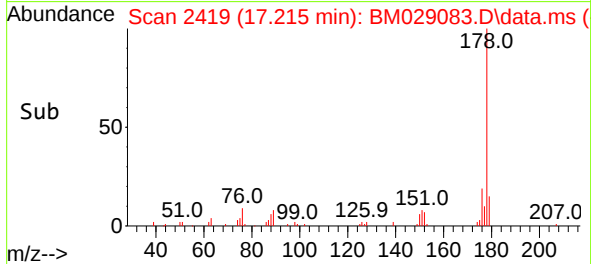




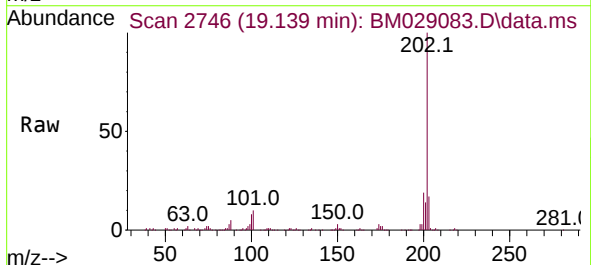
#72
 Anthracene
 Concen: 5.73 ng
 RT: 17.215 min Scan# 2419
 Delta R.T. -0.000 min
 Lab File: BM029083.D
 Acq: 10 Mar 2021 23:15



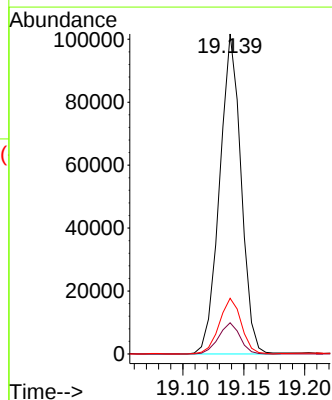
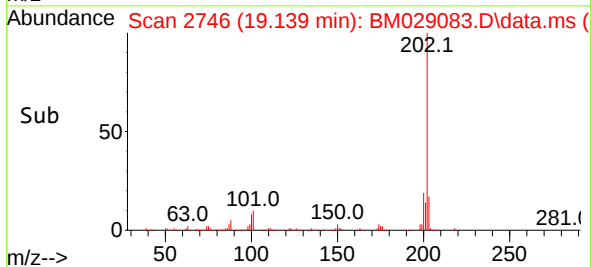
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.4	12.5	18.7



#75
 Fluoranthene
 Concen: 30.07 ng
 RT: 19.139 min Scan# 2746
 Delta R.T. -0.006 min
 Lab File: BM029083.D
 Acq: 10 Mar 2021 23:15



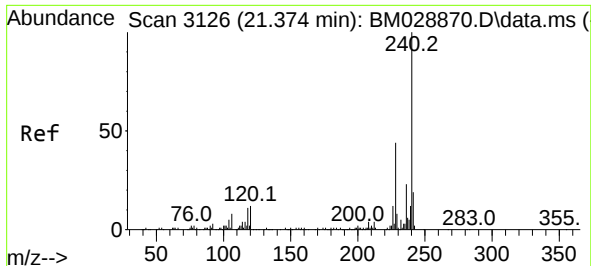
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	28.5
203	17.4	0.0	37.3



Instrument :
 BNA_M
 ClientSampleId :
 OR-02-030821DL

Manual Integrations
 APPROVED

mohammad
 3/11/2021 9:26:32 AM



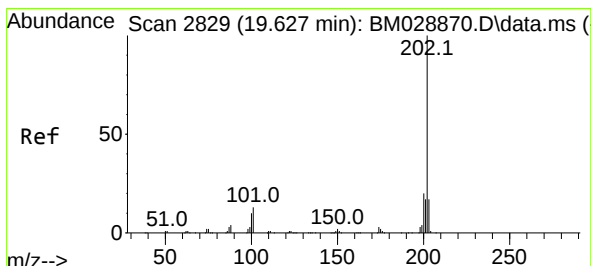
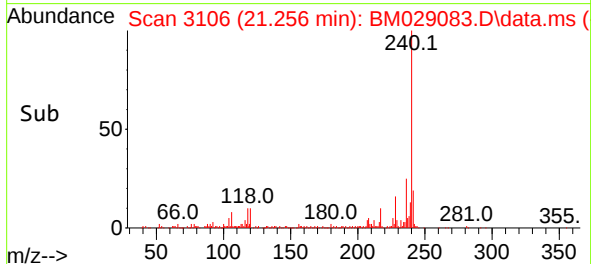
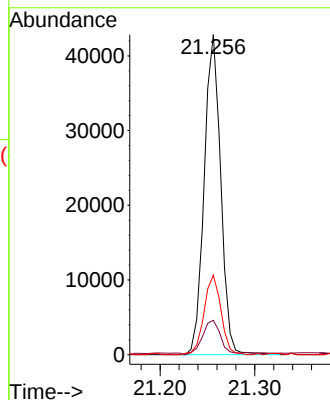
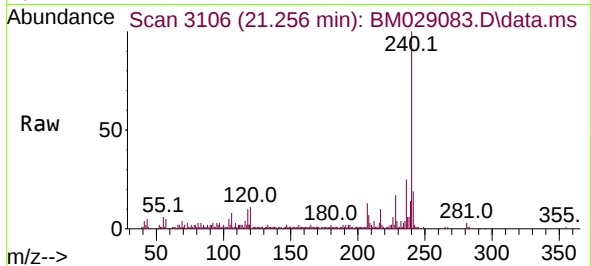
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.256 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

Tgt Ion:240 Resp: 51991
Ion Ratio Lower Upper
240 100
120 10.7 6.4 9.6#
236 24.8 20.1 30.1

Instrument :
BNA_M
ClientSampleId :
OR-02-030821DL

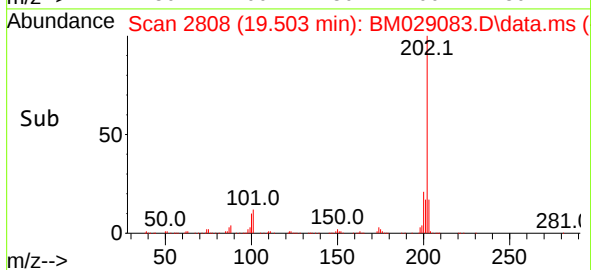
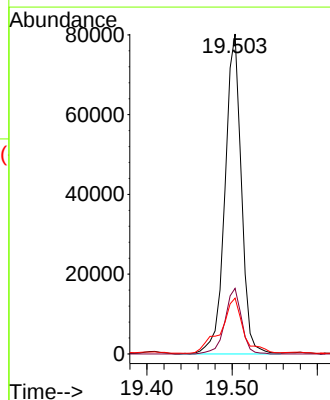
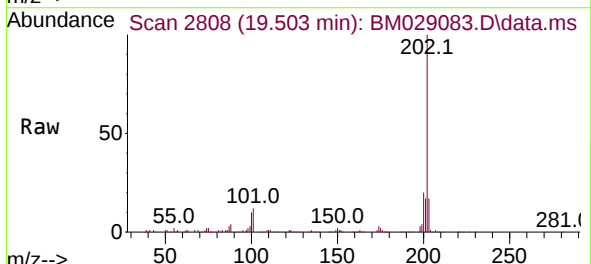
Manual Integrations
APPROVED

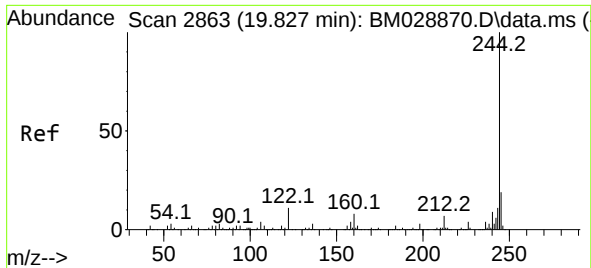
mohammad
3/11/2021 9:26:32 AM



#78
Pyrene
Concen: 28.00 ng
RT: 19.503 min Scan# 2808
Delta R.T. -0.000 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

Tgt Ion:202 Resp: 106952
Ion Ratio Lower Upper
202 100
200 20.5 16.6 24.8
203 17.5 13.8 20.6





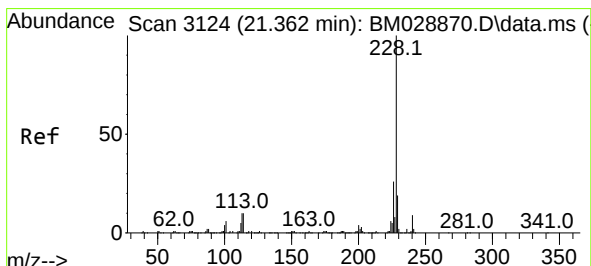
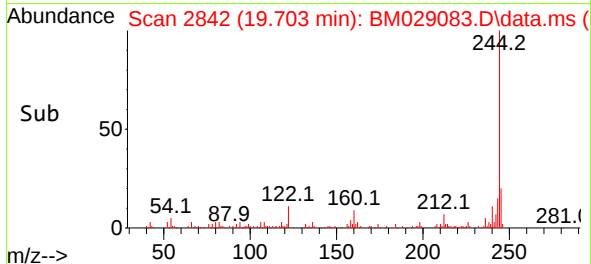
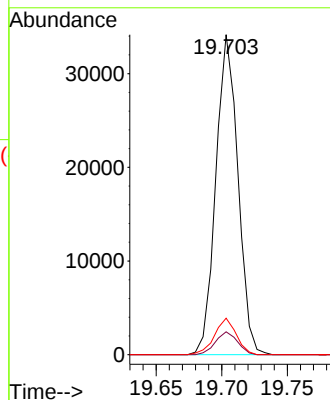
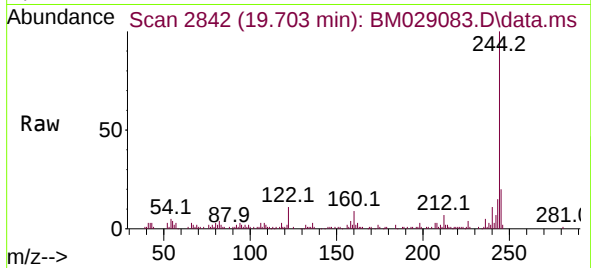
#79
 Terphenyl-d14
 Concen: 14.18 ng
 RT: 19.703 min Scan# 2842
 Delta R.T. -0.006 min
 Lab File: BM029083.D
 Acq: 10 Mar 2021 23:15

Tgt Ion:244 Resp: 39925
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 11.4 6.5 9.7#

Instrument :
 BNA_M
 ClientSampleId :
 OR-02-030821DL

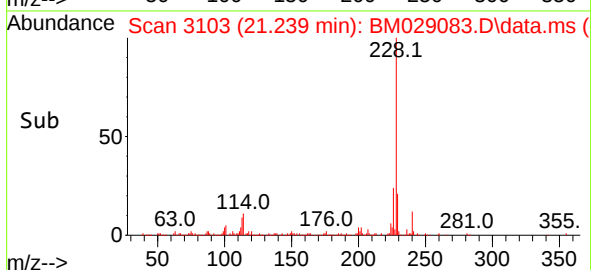
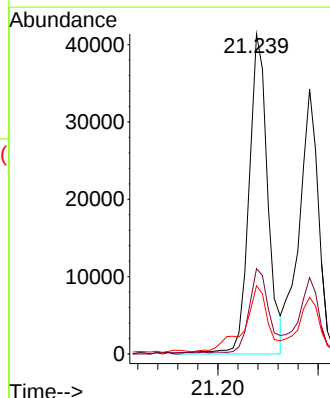
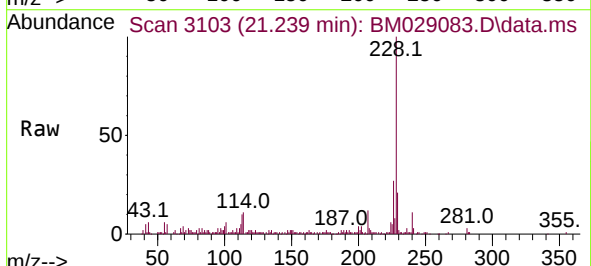
Manual Integrations
 APPROVED

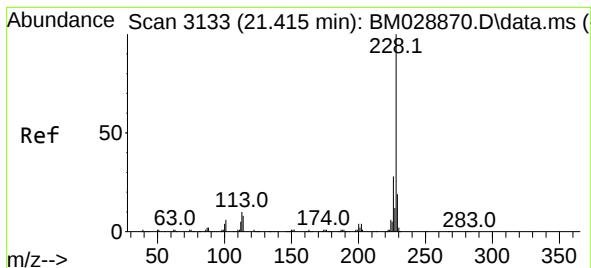
mohammad
 3/11/2021 9:26:32 AM



#81
 Benzo(a)anthracene
 Concen: 14.89 ng
 RT: 21.239 min Scan# 3103
 Delta R.T. -0.006 min
 Lab File: BM029083.D
 Acq: 10 Mar 2021 23:15

Tgt Ion:228 Resp: 53726
 Ion Ratio Lower Upper
 228 100
 226 26.6 21.1 31.7
 229 21.3 15.7 23.5





#83

Chrysene

Concen: 12.94 ng

RT: 21.291 min Scan# 3112

Delta R.T. -0.006 min

Lab File: BM029083.D

Acq: 10 Mar 2021 23:15

Tgt Ion:	228	Resp:	45499
Ion Ratio	Lower	Upper	
228	100		
226	28.9	23.4	35.0
229	21.4	15.7	23.5

Instrument :

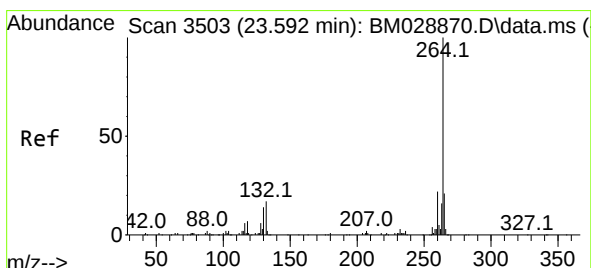
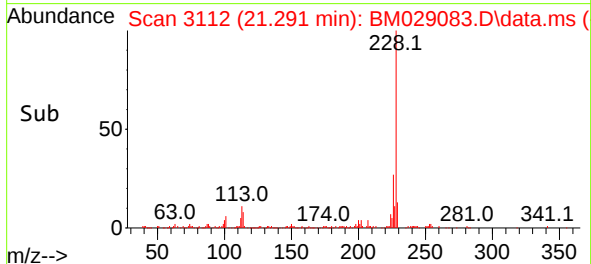
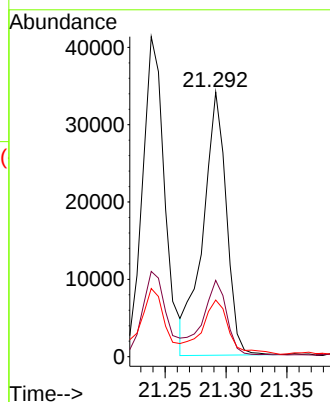
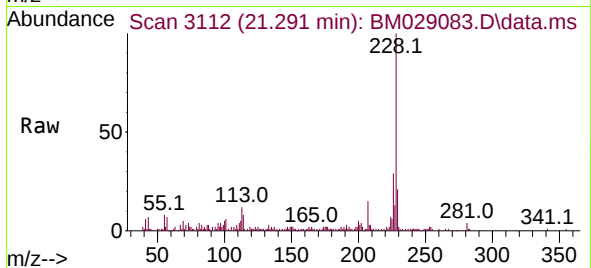
BNA_M

ClientSampleId :

OR-02-030821DL

Manual Integrations
APPROVED

mohammad
3/11/2021 9:26:32 AM



#86

Perylene-d12

Concen: 20.00 ng

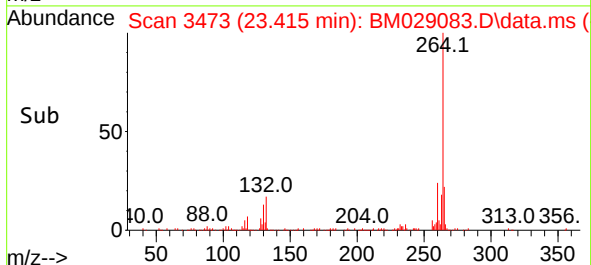
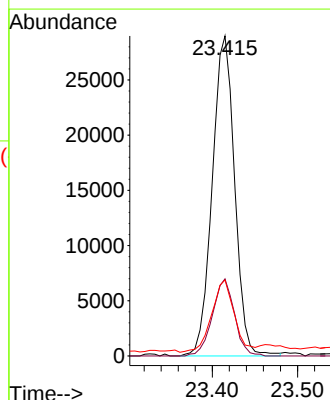
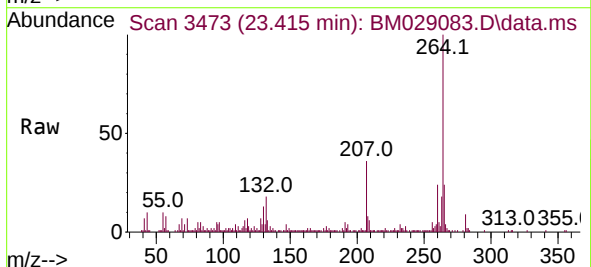
RT: 23.415 min Scan# 3473

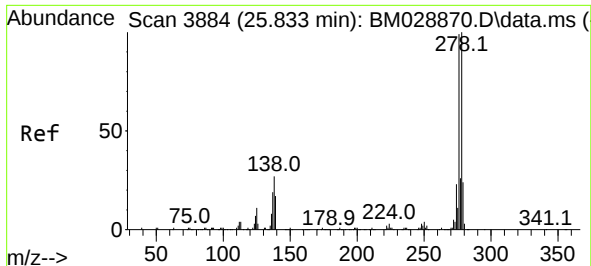
Delta R.T. -0.006 min

Lab File: BM029083.D

Acq: 10 Mar 2021 23:15

Tgt Ion:	264	Resp:	52934
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.0	28.4
265	23.7	17.7	26.5





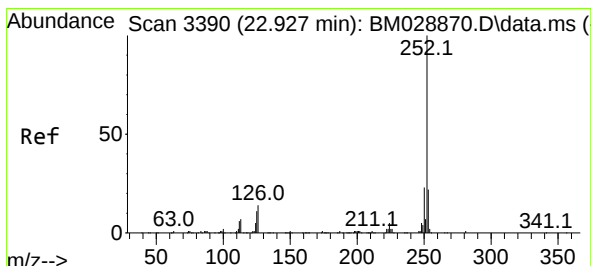
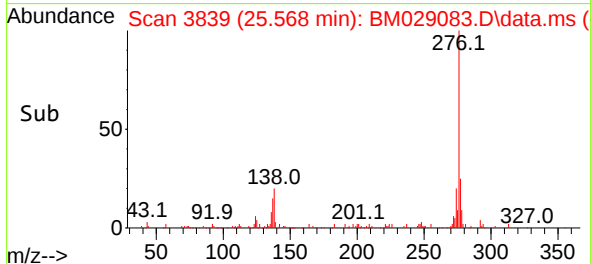
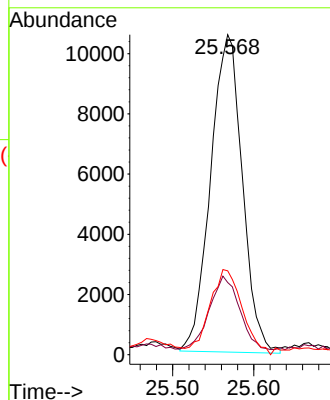
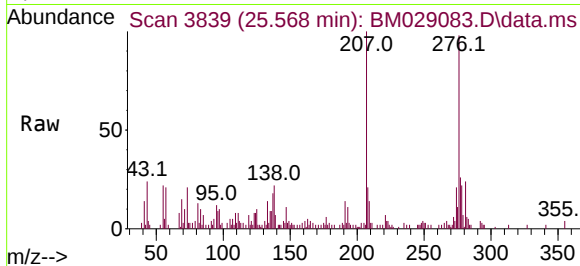
#87
Indeno(1,2,3-cd)pyrene
Concen: 7.18 ng
RT: 25.568 min Scan# 3839
Delta R.T. -0.018 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

Tgt Ion: 276 Resp: 28696
Ion Ratio Lower Upper
276 100
138 21.7 14.2 21.4#
277 27.6 19.8 29.8

Instrument :
BNA_M
ClientSampleId :
OR-02-030821DL

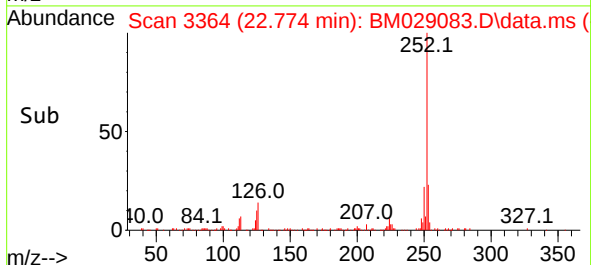
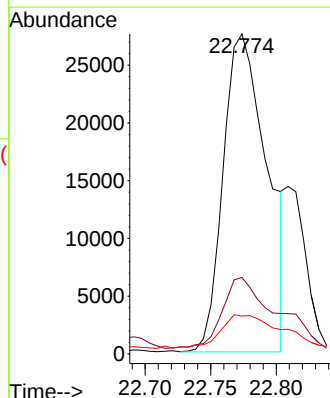
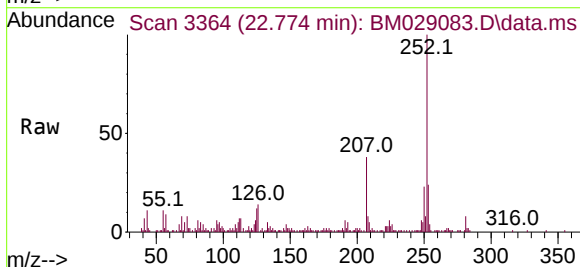
Manual Integrations
APPROVED

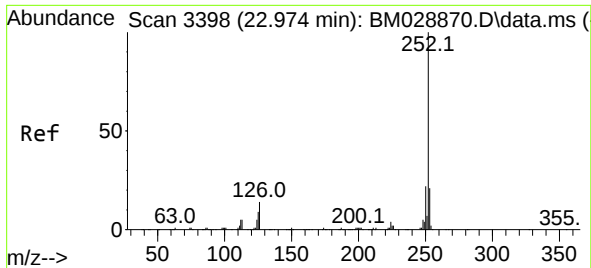
mohammad
3/11/2021 9:26:32 AM



#88
Benzo(b)fluoranthene
Concen: 17.00 ng m
RT: 22.774 min Scan# 3364
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

Tgt Ion: 252 Resp: 63585
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.0
125 11.8 5.7 8.5#





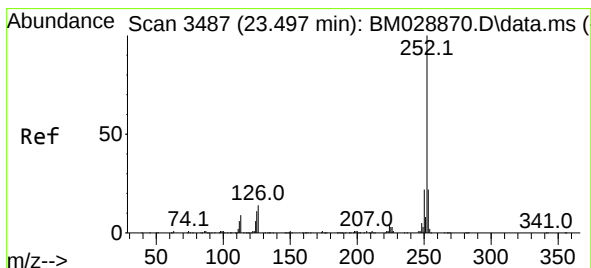
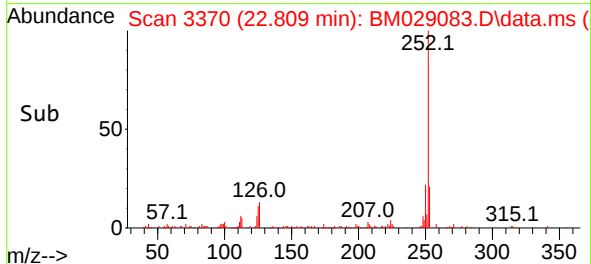
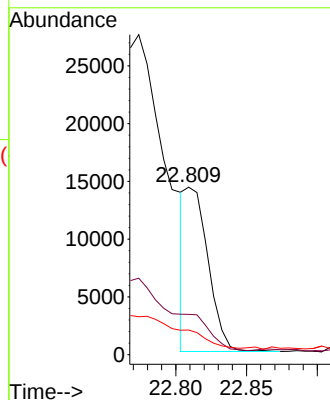
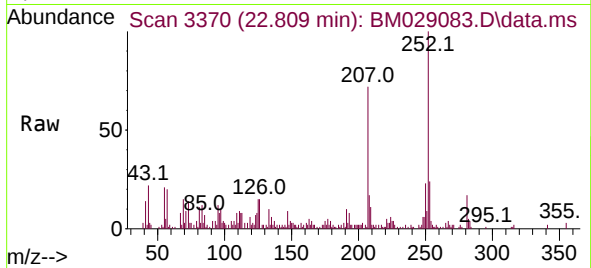
#89
Benzo(k)fluoranthene
Concen: 4.48 ng m
RT: 22.809 min Scan# 3370
Delta R.T. -0.012 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

Tgt Ion:252 Resp: 15900
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.0
125 14.7 5.6 8.4#

Instrument :
BNA_M
ClientSampleId :
OR-02-030821DL

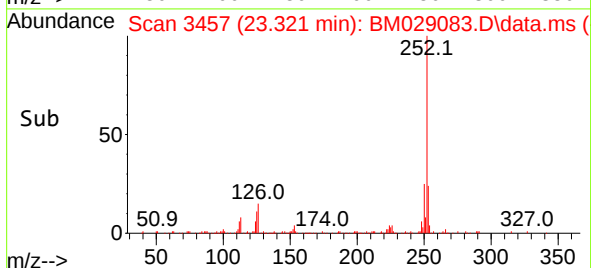
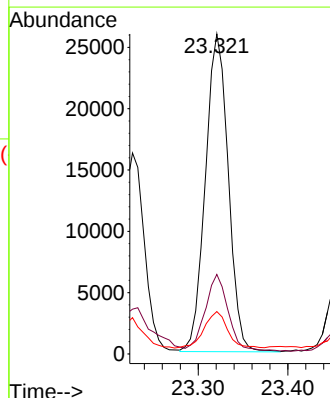
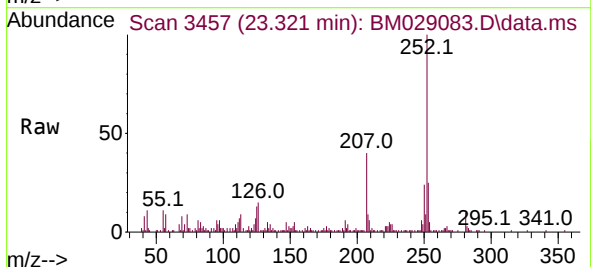
Manual Integrations
APPROVED

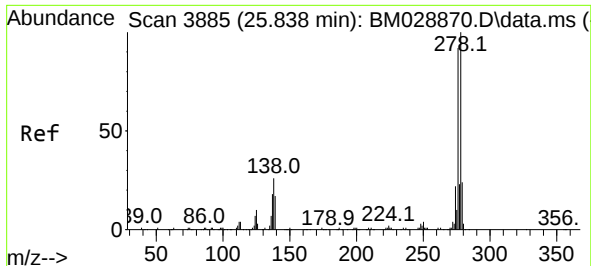
mohammad
3/11/2021 9:26:32 AM



#90
Benzo(a)pyrene
Concen: 13.47 ng
RT: 23.321 min Scan# 3457
Delta R.T. -0.012 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

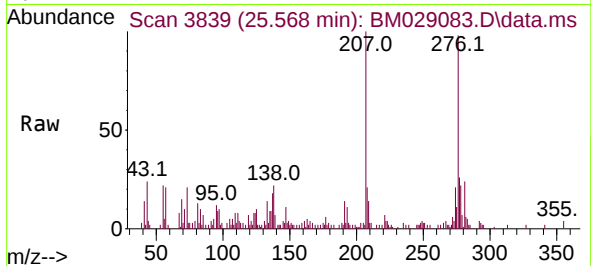
Tgt Ion:252 Resp: 45956
Ion Ratio Lower Upper
252 100
253 24.8 17.4 26.2
125 13.3 6.6 9.8#





#91
Dibenzo(a,h)anthracene
Concen: 2.04 ng
RT: 25.568 min Scan# 3839
Delta R.T. -0.018 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

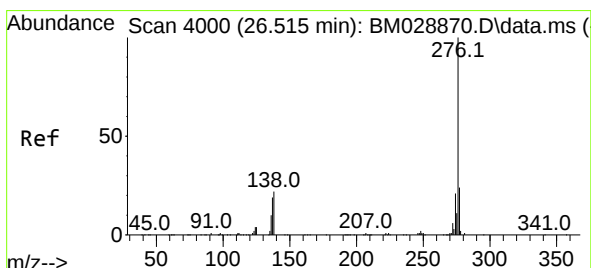
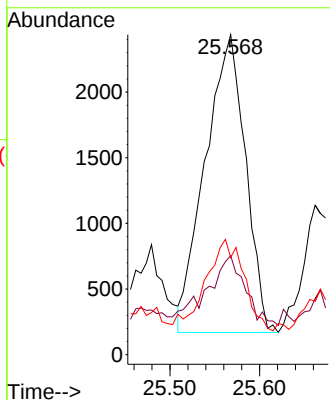
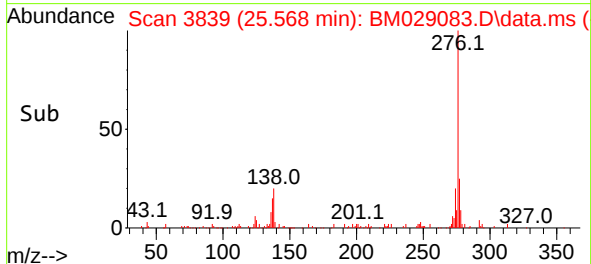
Instrument :
BNA_M
ClientSampleId :
OR-02-030821DL



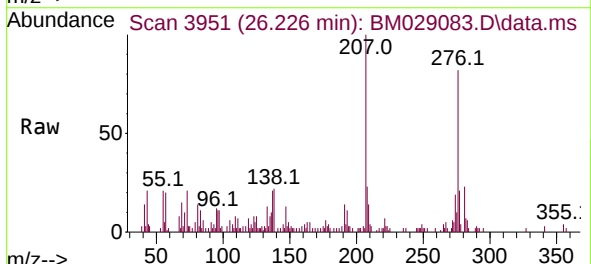
Tgt Ion:278 Resp: 7077
Ion Ratio Lower Upper
278 100
139 30.9 9.0 13.6#
279 30.4 19.0 28.4#

Manual Integrations
APPROVED

mohammad
3/11/2021 9:26:32 AM



#92
Benzo(g,h,i)perylene
Concen: 8.18 ng
RT: 26.226 min Scan# 3951
Delta R.T. -0.012 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15



Tgt Ion:276 Resp: 27430
Ion Ratio Lower Upper
276 100
277 25.9 18.6 28.0
138 27.0 12.2 18.2#

