

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM083024\
 Data File : BM047416.D
 Acq On : 30 Aug 2024 21:38
 Operator : RC/JU
 Sample : P3793-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RT2864

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/02/2024
 Supervised By :mohammad ahmed 09/02/2024

Quant Time: Aug 30 23:39:35 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 26 18:11:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.345	152	243158	20.000	ng	0.00
21) Naphthalene-d8	10.098	136	841456	20.000	ng	0.00
39) Acenaphthene-d10	14.004	164	532440	20.000	ng	0.00
64) Phenanthrene-d10	16.774	188	1057172	20.000	ng	0.00
76) Chrysene-d12	21.015	240	977499	20.000	ng	0.00
86) Perylene-d12	23.715	264	1157270	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	1196729	94.424	ng	0.00
7) Phenol-d6	6.569	99	1464779	84.839	ng	0.00
23) Nitrobenzene-d5	8.492	82	916623	60.442	ng	0.00
42) 2,4,6-Tribromophenol	15.521	330	588905	91.675	ng	0.00
45) 2-Fluorobiphenyl	12.610	172	2199756	63.480	ng	0.00
79) Terphenyl-d14	19.439	244	3046712	55.478	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	13.727	152	85636	2.022	ng	98
71) Phenanthrene	16.815	178	572302	11.147	ng	100
72) Anthracene	16.910	178	135731	2.712	ng	99
75) Fluoranthene	18.851	202	1486901	24.665	ng	99
78) Pyrene	19.221	202	1380140	18.409	ng	100
81) Benzo(a)anthracene	21.003	228	698998	10.965	ng	97
83) Chrysene	21.056	228	752654m	12.552	ng	
84) Bis(2-ethylhexyl)phtha...	20.950	149	423226	10.207	ng	98
87) Indeno(1,2,3-cd)pyrene	26.721	276	582838	8.045	ng	# 95
88) Benzo(b)fluoranthene	22.874	252	1104628	16.361	ng	100
89) Benzo(k)fluoranthene	22.927	252	414788m	6.481	ng	
90) Benzo(a)pyrene	23.591	252	770338	13.193	ng	99
91) Dibenzo(a,h)anthracene	26.744	278	139205	2.372	ng	# 88
92) Benzo(g,h,i)perylene	27.656	276	574611	9.418	ng	98

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

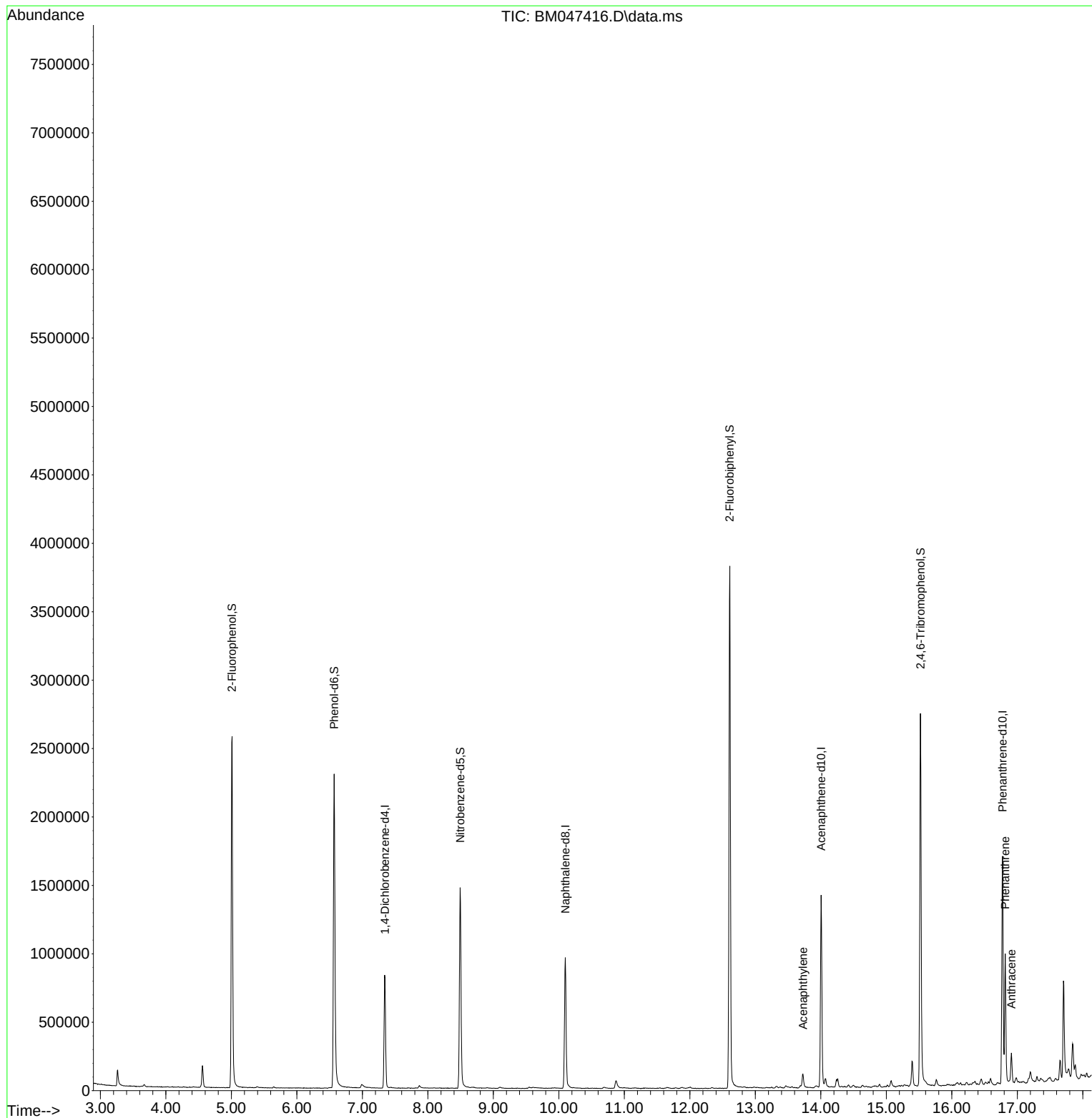
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM083024\
Data File : BM047416.D
Acq On : 30 Aug 2024 21:38
Operator : RC/JU
Sample : P3793-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
RT2864

Quant Time: Aug 30 23:39:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 26 18:11:40 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/02/2024
Supervised By :mohammad ahmed 09/02/2024



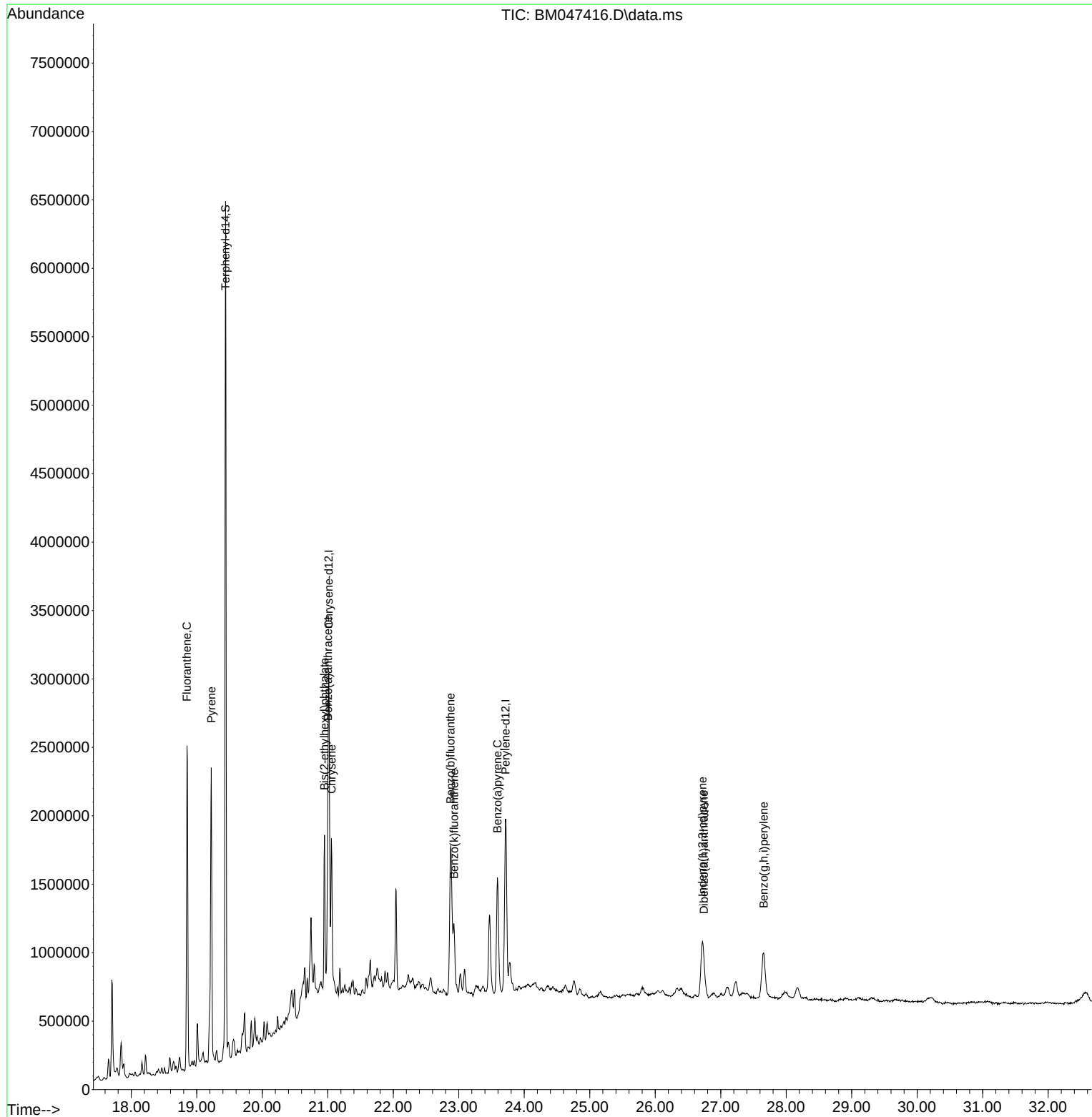
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM083024\
Data File : BM047416.D
Acq On : 30 Aug 2024 21:38
Operator : RC/JU
Sample : P3793-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

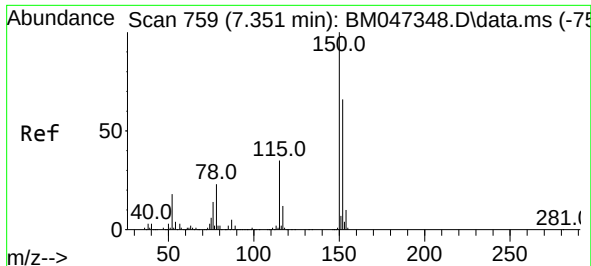
Instrument :
BNA_M
ClientSampleId :
RT2864

Quant Time: Aug 30 23:39:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 26 18:11:40 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

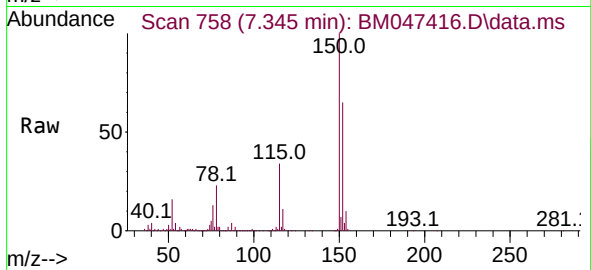
Reviewed By :Yogesh Patel 09/02/2024
Supervised By :mohammad ahmed 09/02/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.345 min Scan# 70
Delta R.T. -0.006 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

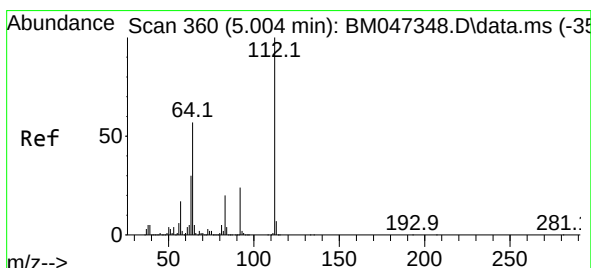
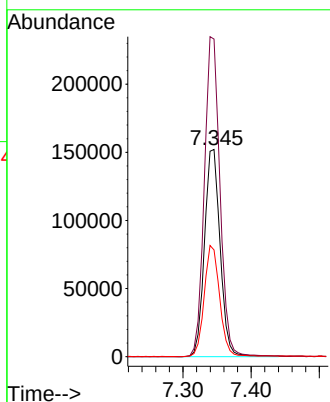
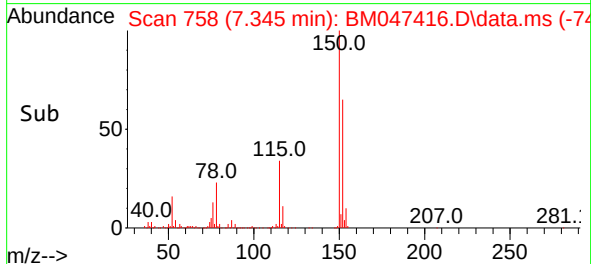
Instrument :
BNA_M
ClientSampleId :
RT2864



Tgt Ion:152 Resp: 243158
Ion Ratio Lower Upper
152 100
150 153.2 121.3 181.9
115 51.5 42.6 64.0

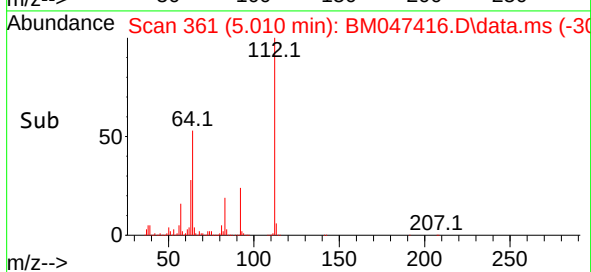
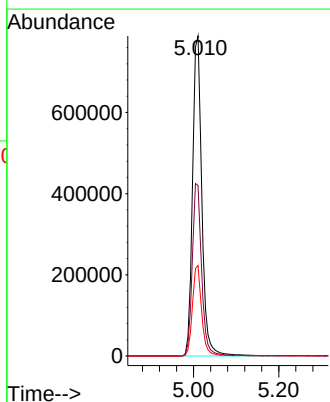
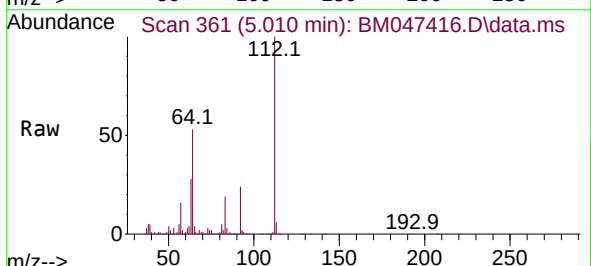
Manual Integrations
APPROVED

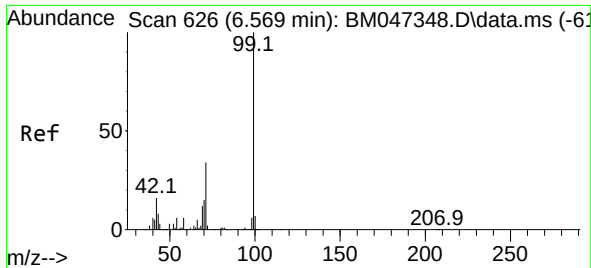
Reviewed By :Yogesh Patel 09/02/2024
Supervised By :mohammad ahmed 09/02/2024



#5
2-Fluorophenol
Concen: 94.424 ng
RT: 5.010 min Scan# 361
Delta R.T. 0.006 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

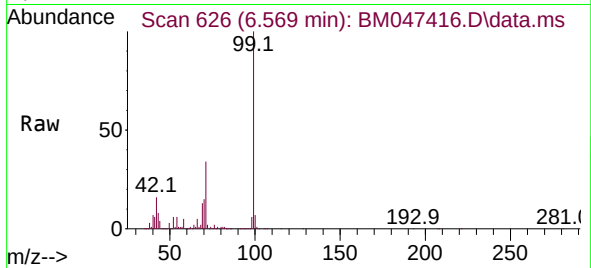
Tgt Ion:112 Resp: 1196729
Ion Ratio Lower Upper
112 100
64 53.3 45.7 68.5
63 28.2 23.8 35.8





#7
Phenol-d6
Concen: 84.839 ng
RT: 6.569 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

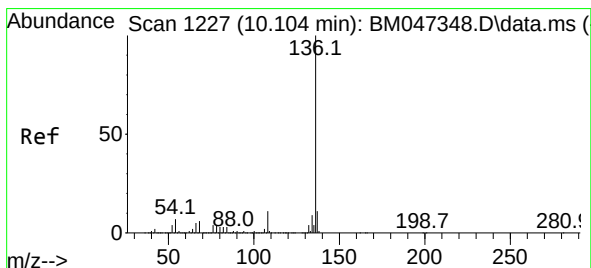
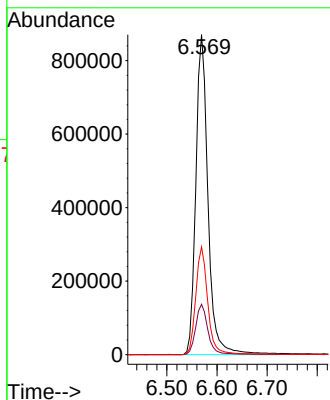
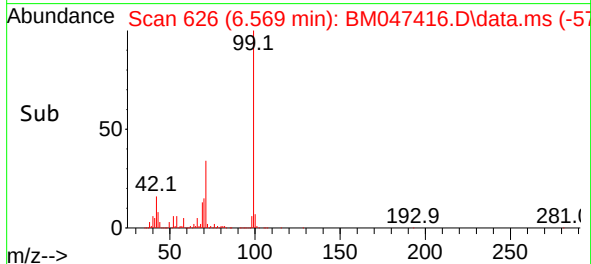
Instrument :
BNA_M
ClientSampleId :
RT2864



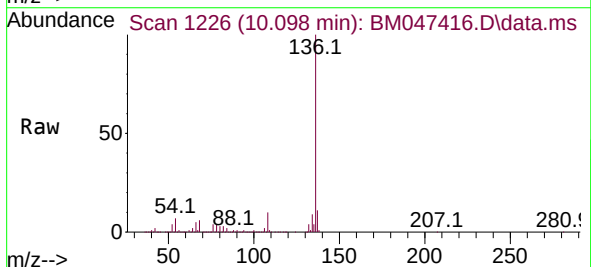
Tgt Ion: 99 Resp: 1464779
Ion Ratio Lower Upper
99 100
42 15.7 13.0 19.4
71 33.7 27.5 41.3

Manual Integrations
APPROVED

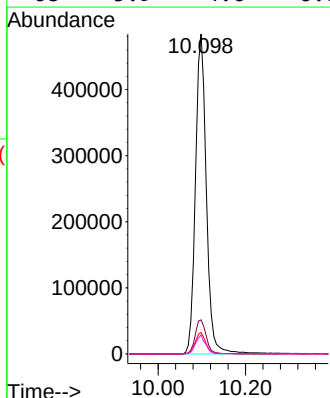
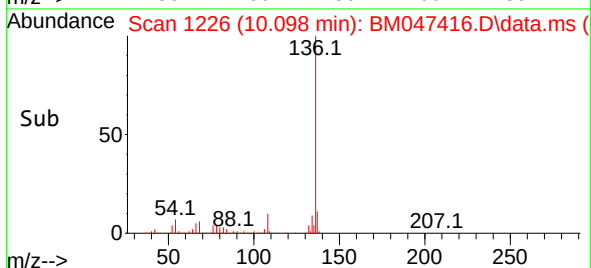
Reviewed By :Yogesh Patel 09/02/2024
Supervised By :mohammad ahmed 09/02/2024

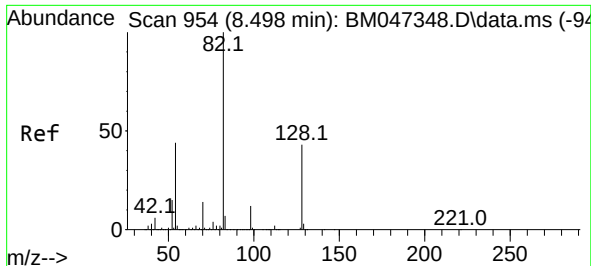


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.098 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38



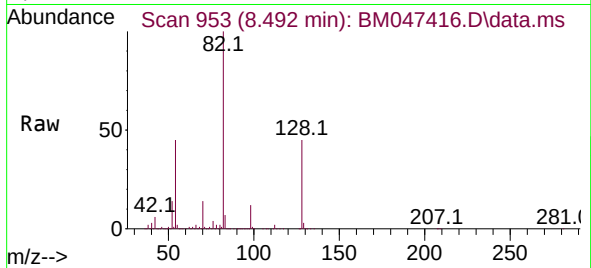
Tgt Ion:136 Resp: 841456
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 6.7 5.2 7.8
68 5.9 4.6 6.8





#23
Nitrobenzene-d5
Concen: 60.442 ng
RT: 8.492 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

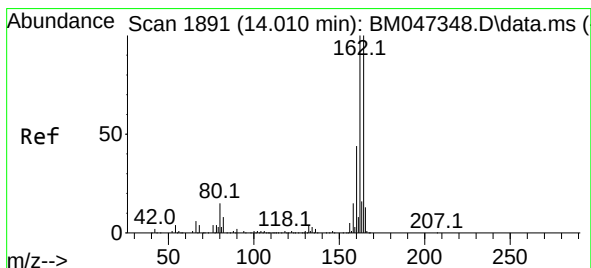
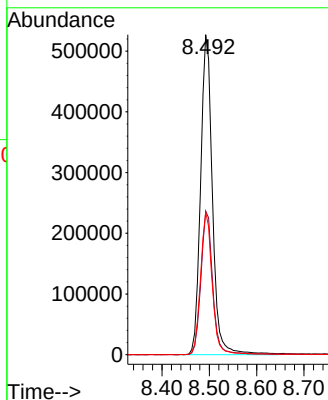
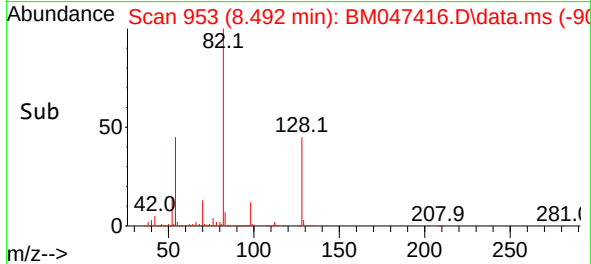
Instrument :
BNA_M
ClientSampleId :
RT2864



Tgt Ion: 82 Resp: 91662
Ion Ratio Lower Upper
82 100
128 44.8 34.6 51.8
54 44.6 35.5 53.3

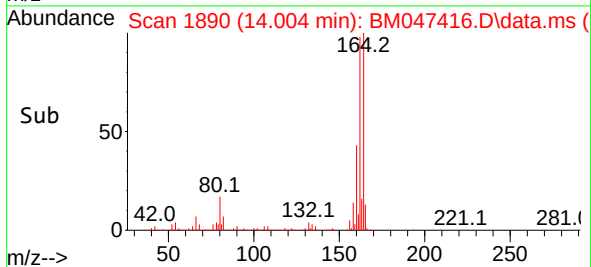
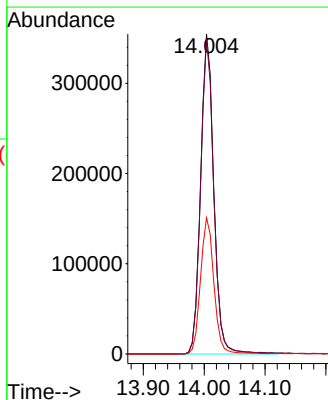
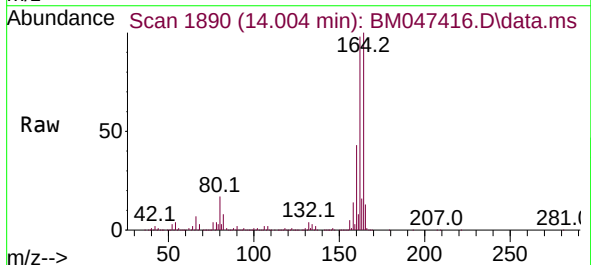
Manual Integrations
APPROVED

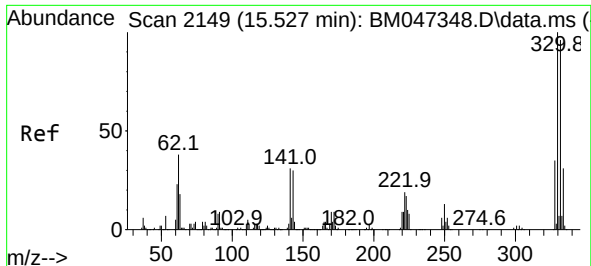
Reviewed By :Yogesh Patel 09/02/2024
Supervised By :mohammad ahmed 09/02/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.004 min Scan# 1890
Delta R.T. -0.006 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

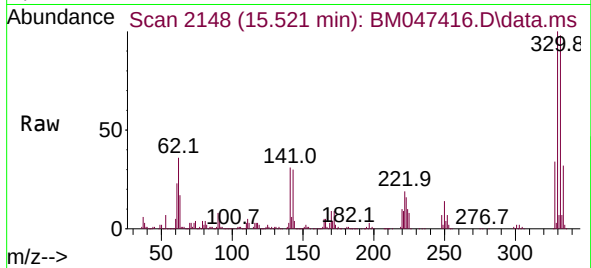
Tgt Ion:164 Resp: 532440
Ion Ratio Lower Upper
164 100
162 98.4 79.7 119.5
160 42.5 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 91.675 ng
RT: 15.521 min Scan# 2149
Delta R.T. -0.006 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

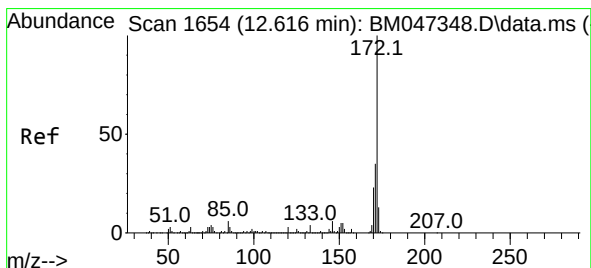
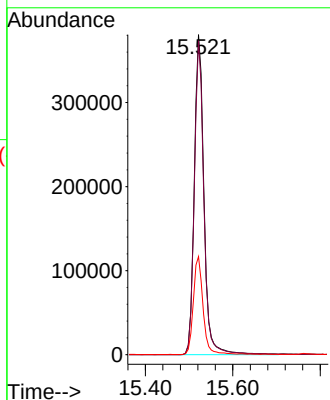
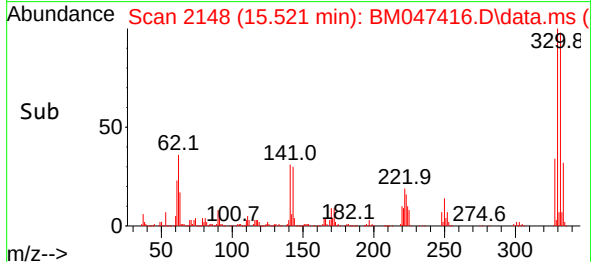
Instrument :
BNA_M
ClientSampleId :
RT2864



Tgt Ion:330 Resp: 58890
Ion Ratio Lower Upper
330 100
332 96.9 77.2 115.8
141 30.4 27.6 41.4

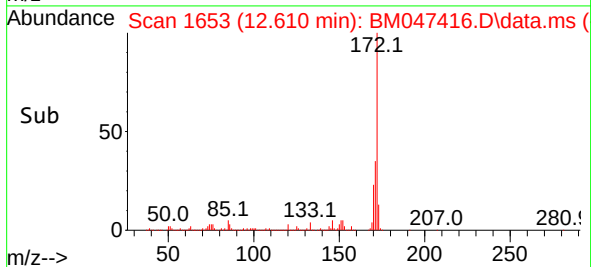
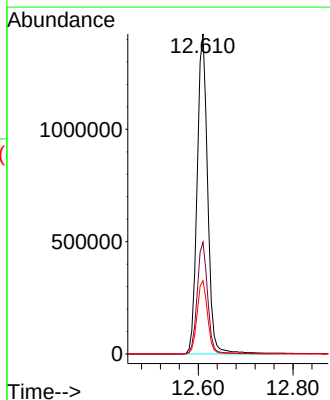
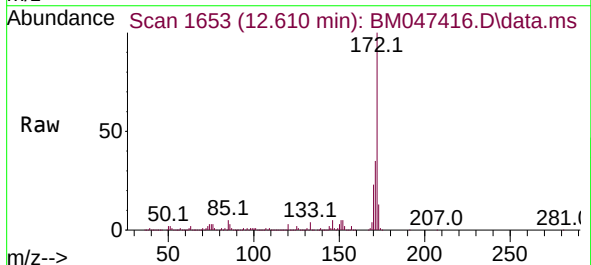
Manual Integrations
APPROVED

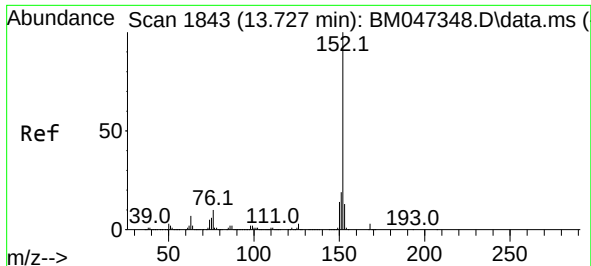
Reviewed By :Yogesh Patel 09/02/2024
Supervised By :mohammad ahmed 09/02/2024



#45
2-Fluorobiphenyl
Concen: 63.480 ng
RT: 12.610 min Scan# 1653
Delta R.T. -0.006 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

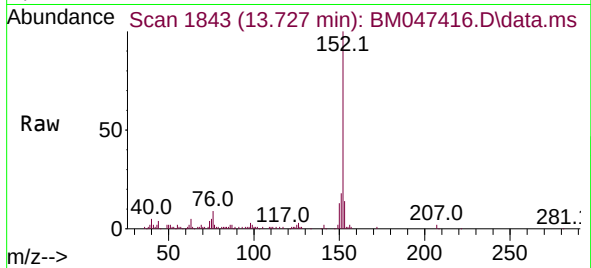
Tgt Ion:172 Resp: 2199756
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.6
170 22.9 18.5 27.7





#49
Acenaphthylene
Concen: 2.022 ng
RT: 13.727 min Scan# 1843
Delta R.T. 0.000 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

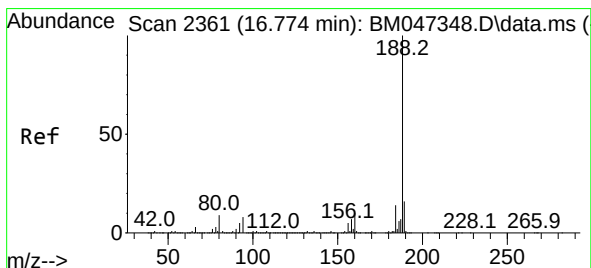
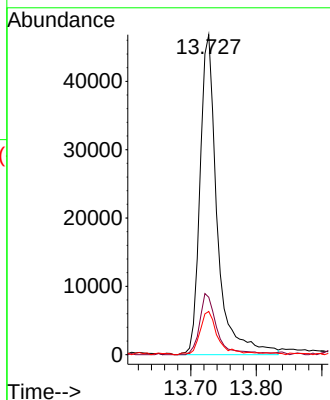
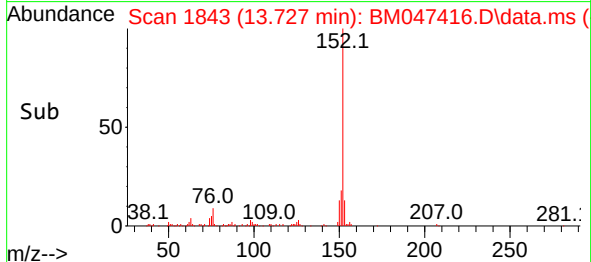
Instrument :
BNA_M
ClientSampleId :
RT2864



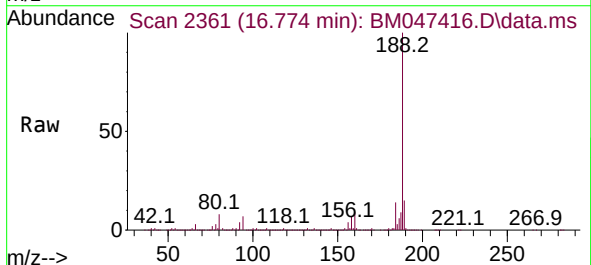
Tgt Ion:152 Resp: 85630
Ion Ratio Lower Upper
152 100
151 18.0 15.4 23.0
153 13.5 10.6 15.8

Manual Integrations
APPROVED

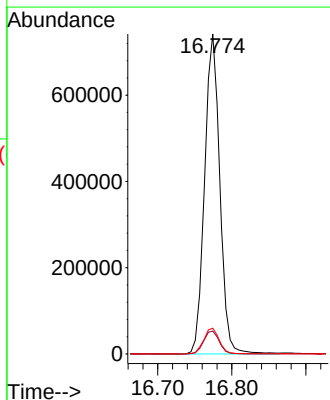
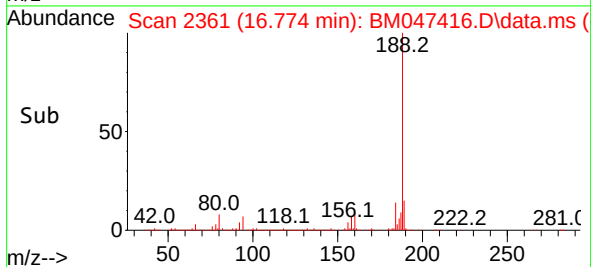
Reviewed By :Yogesh Patel 09/02/2024
Supervised By :mohammad ahmed 09/02/2024

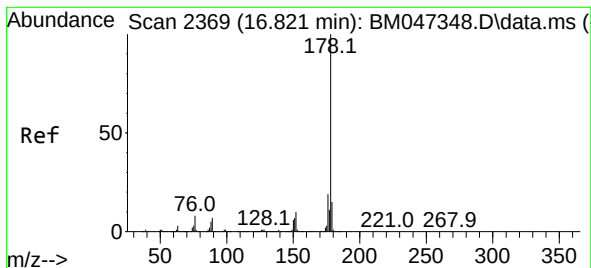


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.774 min Scan# 2361
Delta R.T. 0.000 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38



Tgt Ion:188 Resp: 1057172
Ion Ratio Lower Upper
188 100
94 7.1 6.4 9.6
80 8.0 7.4 11.2





#71

Phenanthrene

Concen: 11.147 ng

RT: 16.815 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047416.D

Acq: 30 Aug 2024 21:38

Instrument :

BNA_M

ClientSampleId :

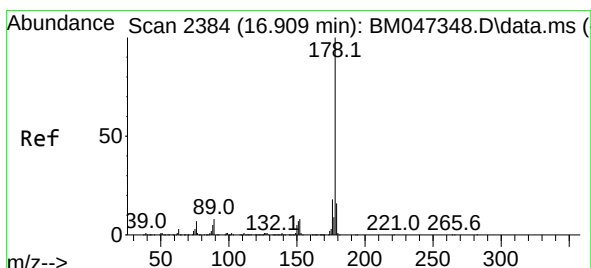
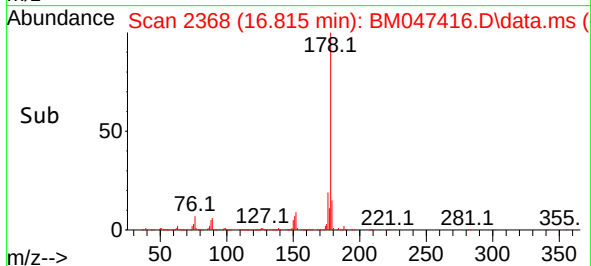
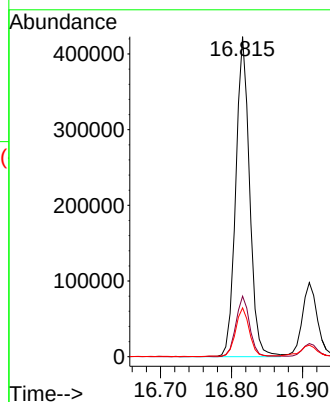
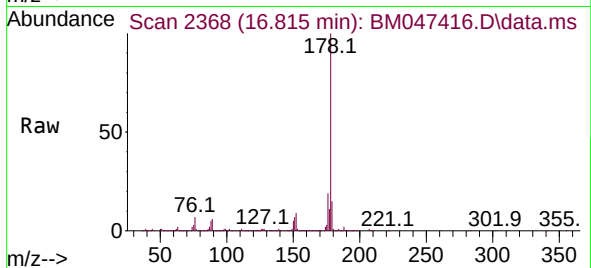
RT2864

Tgt Ion:178 Resp: 572302
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.2 22.8
 179 15.2 12.2 18.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/02/2024
 Supervised By :mohammad ahmed 09/02/2024



#72

Anthracene

Concen: 2.712 ng

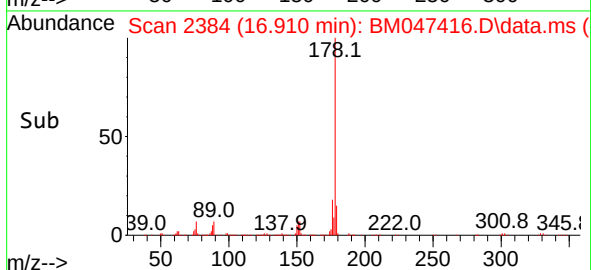
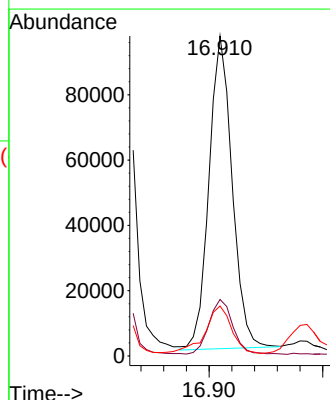
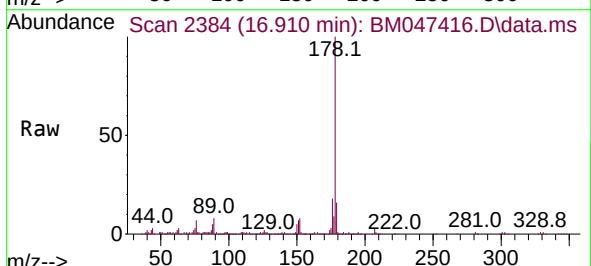
RT: 16.910 min Scan# 2384

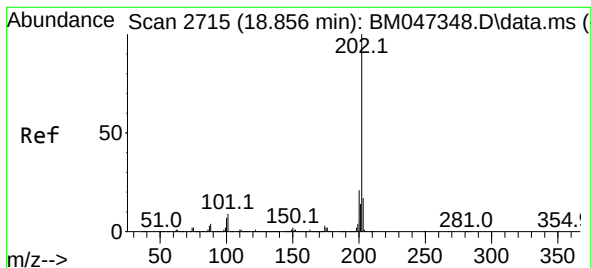
Delta R.T. 0.000 min

Lab File: BM047416.D

Acq: 30 Aug 2024 21:38

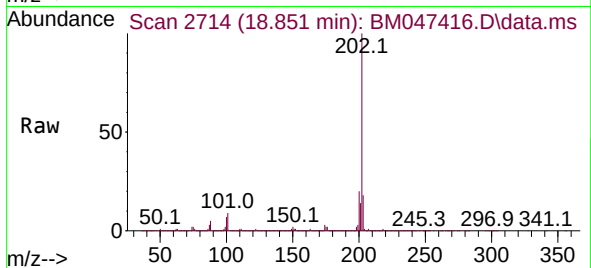
Tgt Ion:178 Resp: 135731
 Ion Ratio Lower Upper
 178 100
 176 17.6 14.7 22.1
 179 15.6 12.6 18.8





#75
Fluoranthene
Concen: 24.665 ng
RT: 18.851 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

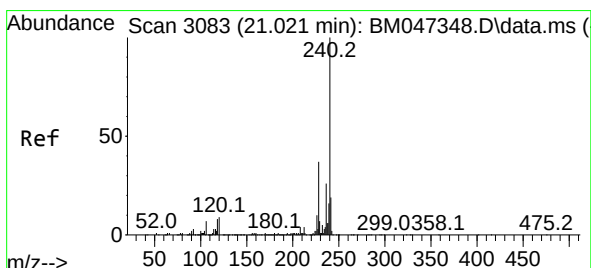
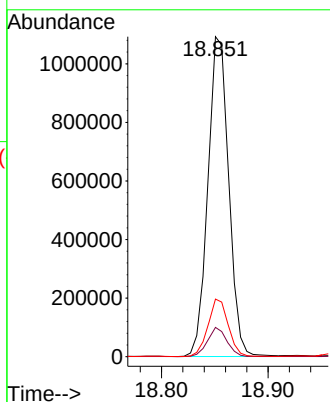
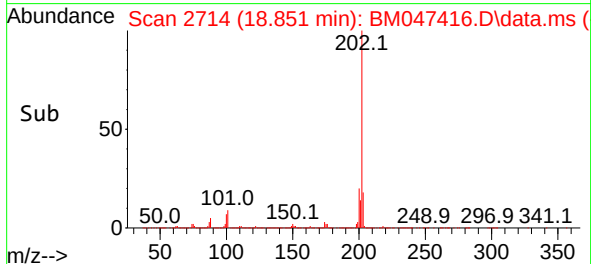
Instrument :
BNA_M
ClientSampleId :
RT2864



Tgt Ion:202 Resp: 148690
Ion Ratio Lower Upper
202 100
101 9.1 0.0 29.0
203 18.0 0.0 37.5

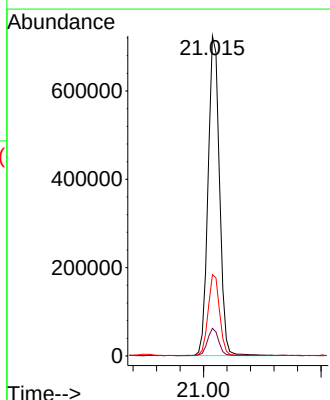
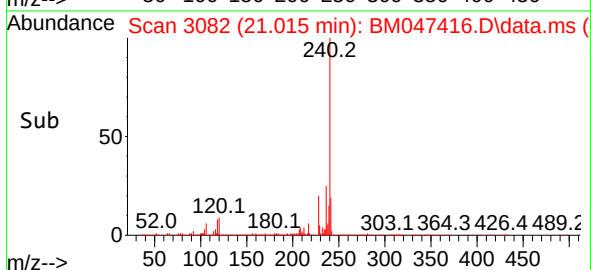
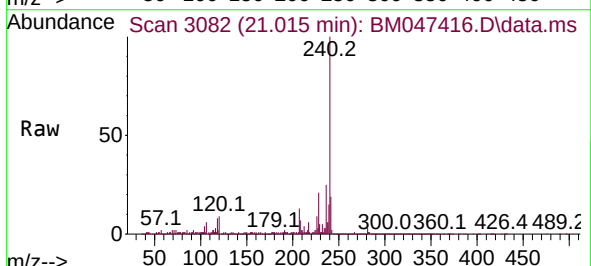
Manual Integrations
APPROVED

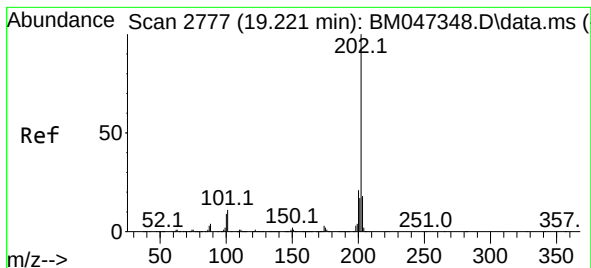
Reviewed By :Yogesh Patel 09/02/2024
Supervised By :mohammad ahmed 09/02/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.015 min Scan# 3082
Delta R.T. -0.006 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

Tgt Ion:240 Resp: 977499
Ion Ratio Lower Upper
240 100
120 8.7 7.4 11.0
236 25.4 20.8 31.2





#78

Pyrene

Concen: 18.409 ng

RT: 19.221 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM047416.D

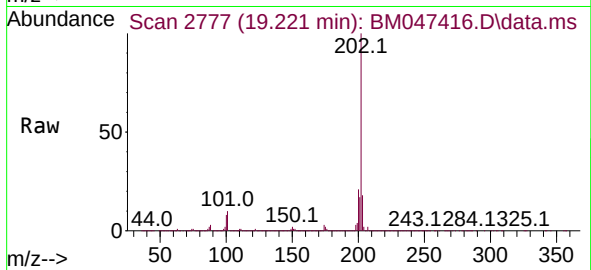
Acq: 30 Aug 2024 21:38

Instrument :

BNA_M

ClientSampleId :

RT2864



Tgt Ion:202 Resp: 1380140

Ion Ratio Lower Upper

202 100

200 20.7 16.7 25.1

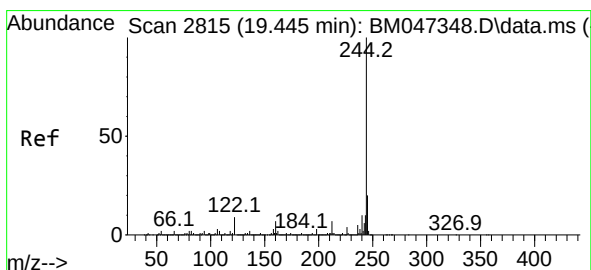
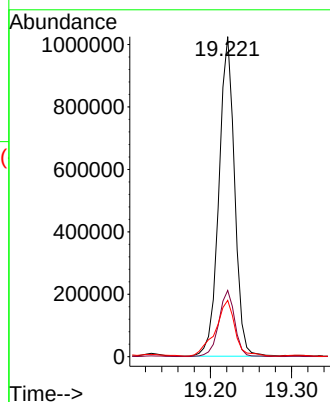
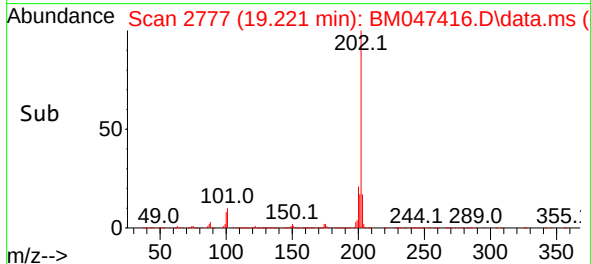
203 17.6 14.2 21.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/02/2024

Supervised By :mohammad ahmed 09/02/2024



#79

Terphenyl-d14

Concen: 55.478 ng

RT: 19.439 min Scan# 2814

Delta R.T. -0.006 min

Lab File: BM047416.D

Acq: 30 Aug 2024 21:38

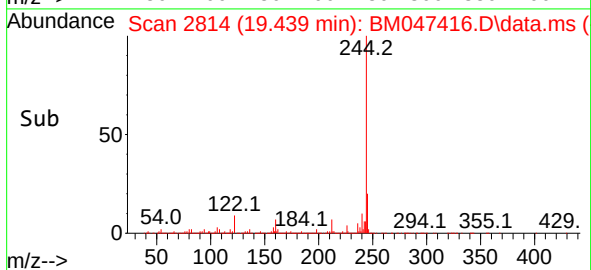
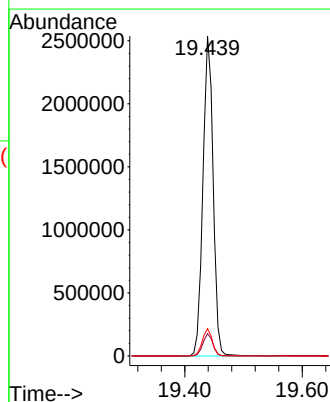
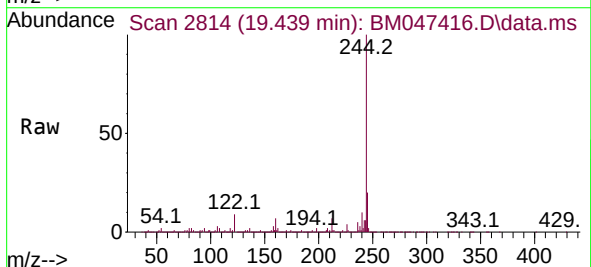
Tgt Ion:244 Resp: 3046712

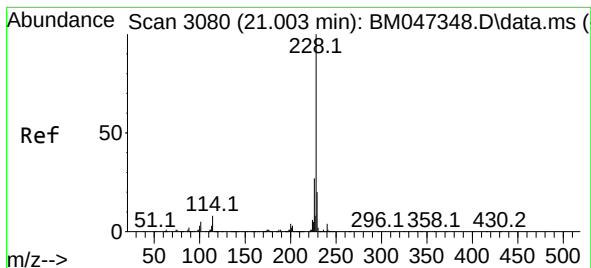
Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 8.5 7.0 10.4





#81

Benzo(a)anthracene

Concen: 10.965 ng

RT: 21.003 min Scan# 3080

Delta R.T. 0.000 min

Lab File: BM047416.D

Acq: 30 Aug 2024 21:38

Instrument :

BNA_M

ClientSampleId :

RT2864

Tgt Ion:228 Resp: 698998

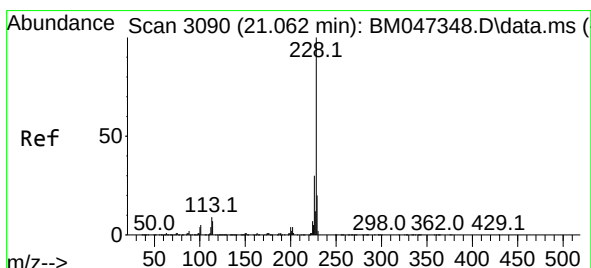
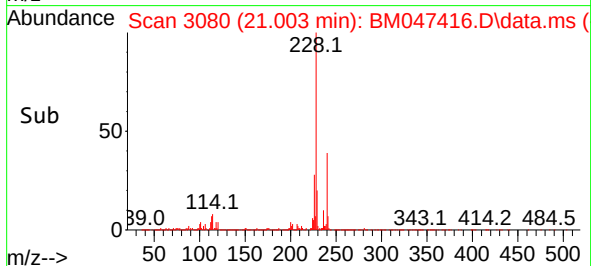
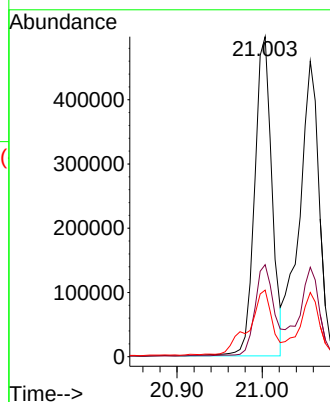
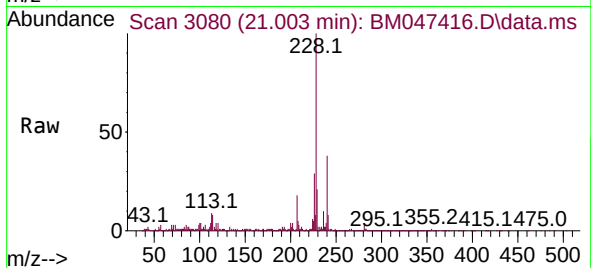
Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.4	32.0
229	20.8	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/02/2024

Supervised By :mohammad ahmed 09/02/2024



#83

Chrysene

Concen: 12.552 ng m

RT: 21.056 min Scan# 3089

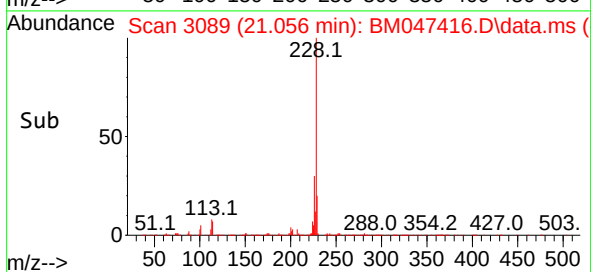
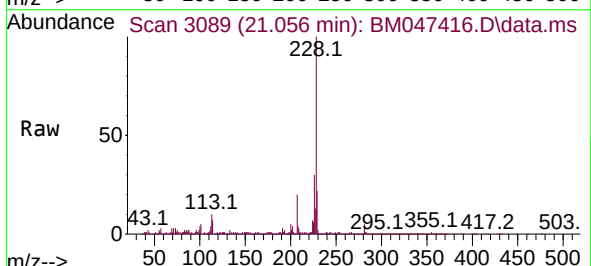
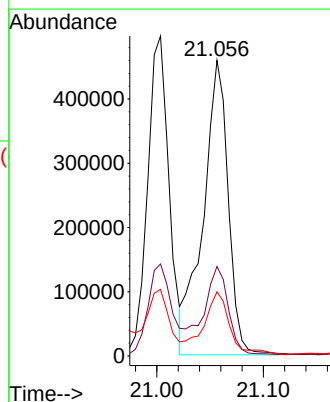
Delta R.T. -0.006 min

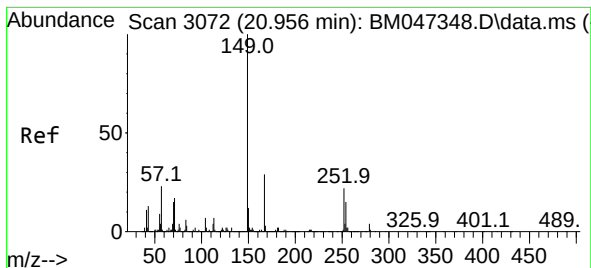
Lab File: BM047416.D

Acq: 30 Aug 2024 21:38

Tgt Ion:228 Resp: 752654

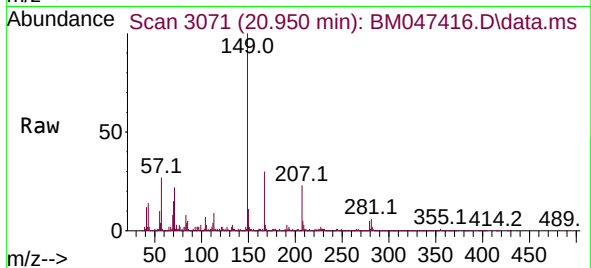
Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	21.7	15.9	23.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 10.207 ng
RT: 20.950 min Scan# 3072
Delta R.T. -0.006 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

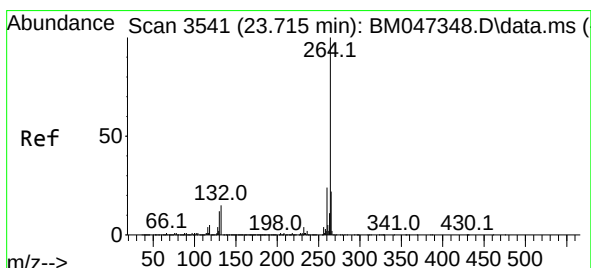
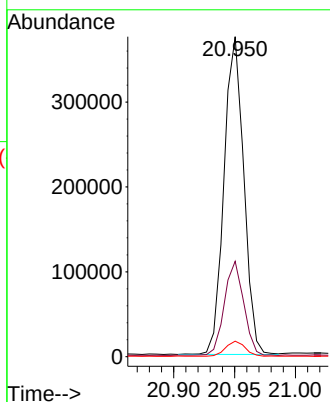
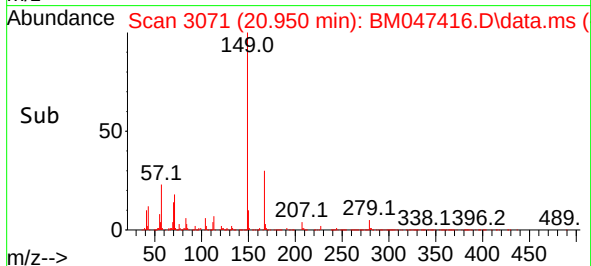
Instrument :
BNA_M
ClientSampleId :
RT2864



Tgt Ion:149 Resp: 423220
Ion Ratio Lower Upper
149 100
167 29.8 23.1 34.7
279 4.9 3.3 4.9

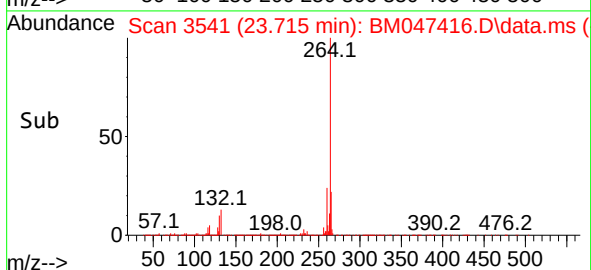
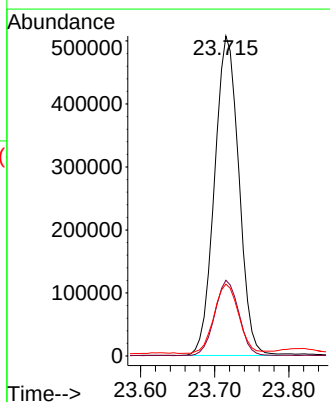
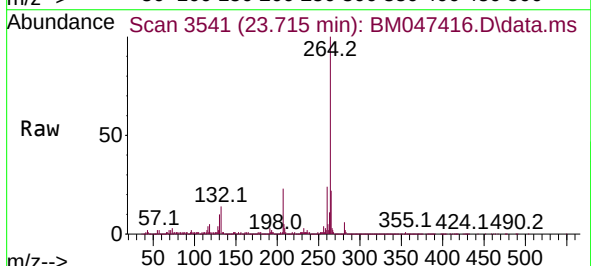
Manual Integrations
APPROVED

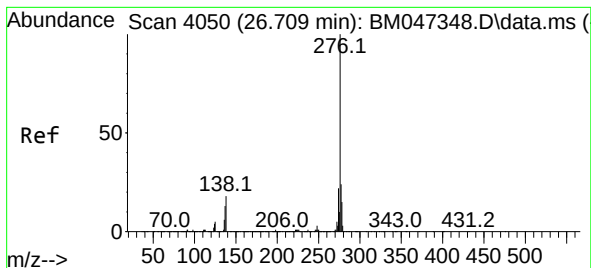
Reviewed By :Yogesh Patel 09/02/2024
Supervised By :mohammad ahmed 09/02/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.715 min Scan# 3541
Delta R.T. 0.000 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

Tgt Ion:264 Resp: 1157270
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.4
265 22.5 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.045 ng

RT: 26.721 min Scan# 4052

Delta R.T. 0.012 min

Lab File: BM047416.D

Acq: 30 Aug 2024 21:38

Instrument :

BNA_M

ClientSampleId :

RT2864

Tgt Ion: 276 Resp: 582838

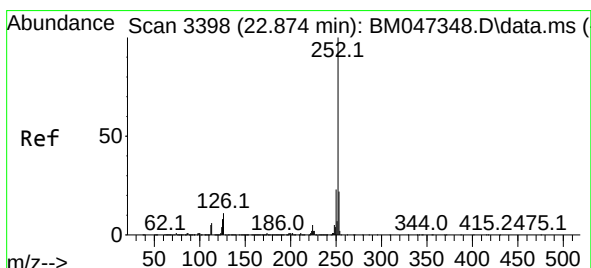
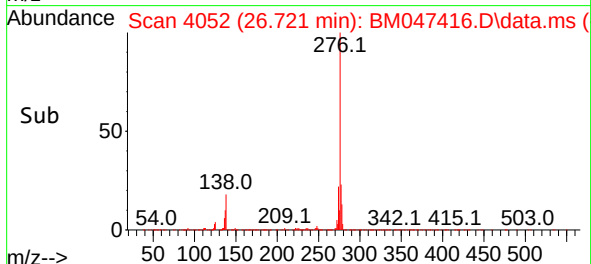
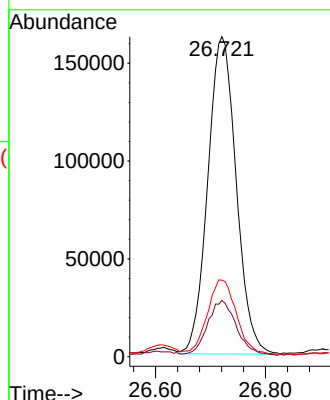
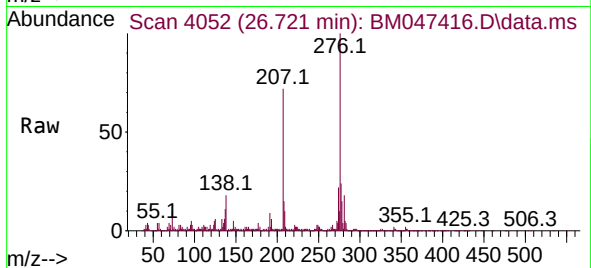
Ion	Ratio	Lower	Upper
276	100		
138	17.5	17.7	26.5
277	24.3	20.0	30.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/02/2024

Supervised By :mohammad ahmed 09/02/2024



#88

Benzo(b)fluoranthene

Concen: 16.361 ng

RT: 22.874 min Scan# 3398

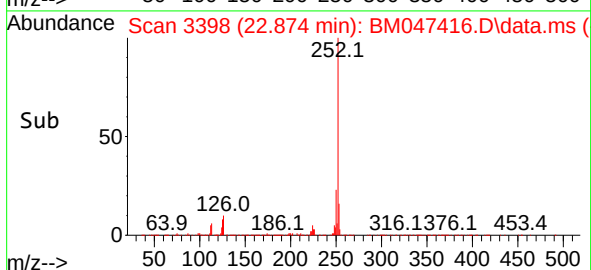
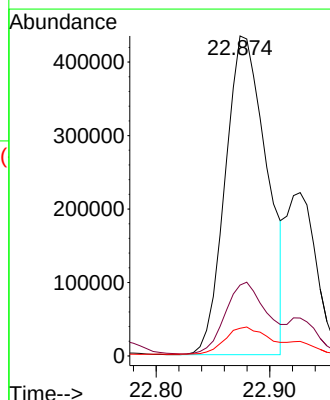
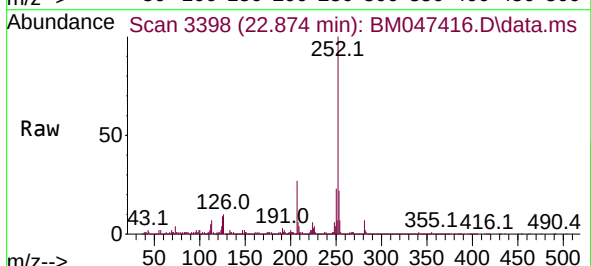
Delta R.T. 0.000 min

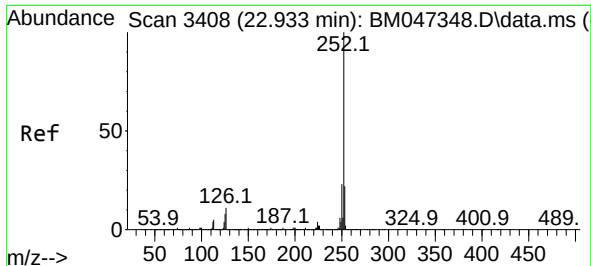
Lab File: BM047416.D

Acq: 30 Aug 2024 21:38

Tgt Ion: 252 Resp: 1104628

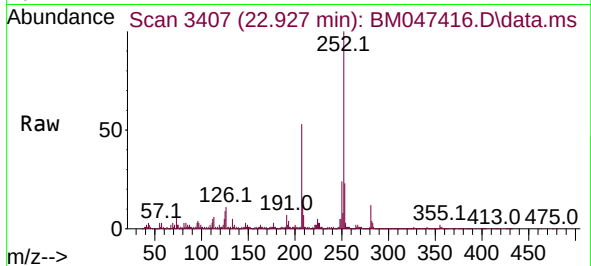
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	8.6	6.6	10.0





#89
Benzo(k)fluoranthene
Concen: 6.481 ng m
RT: 22.927 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

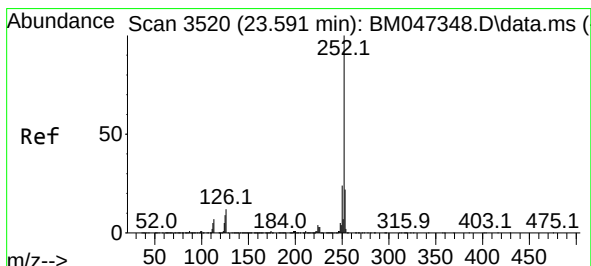
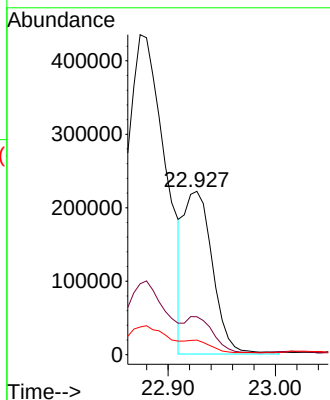
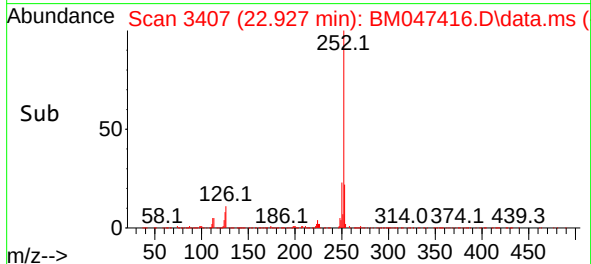
Instrument :
BNA_M
ClientSampleId :
RT2864



Tgt Ion:252 Resp: 414788
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 8.9 6.6 9.8

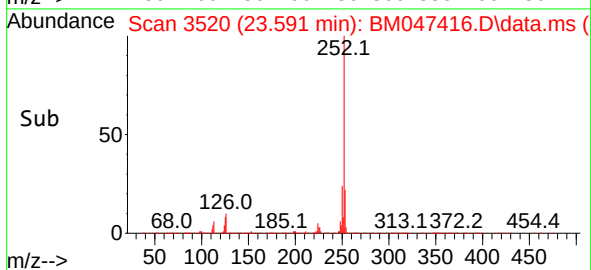
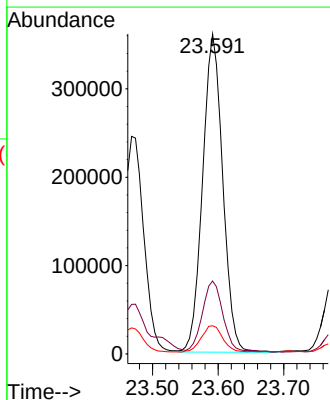
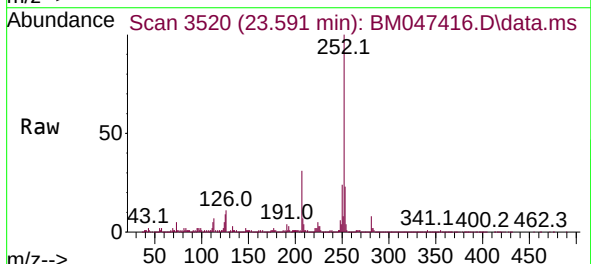
Manual Integrations
APPROVED

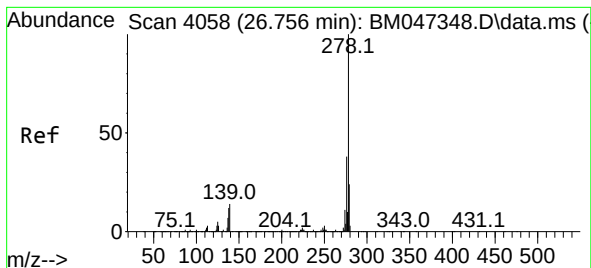
Reviewed By :Yogesh Patel 09/02/2024
Supervised By :mohammad ahmed 09/02/2024



#90
Benzo(a)pyrene
Concen: 13.193 ng
RT: 23.591 min Scan# 3520
Delta R.T. 0.000 min
Lab File: BM047416.D
Acq: 30 Aug 2024 21:38

Tgt Ion:252 Resp: 770338
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 8.8 7.4 11.2





#91

Dibenzo(a,h)anthracene

Concen: 2.372 ng

RT: 26.744 min Scan# 4058

Delta R.T. -0.012 min

Lab File: BM047416.D

Acq: 30 Aug 2024 21:38

Instrument :

BNA_M

ClientSampleId :

RT2864

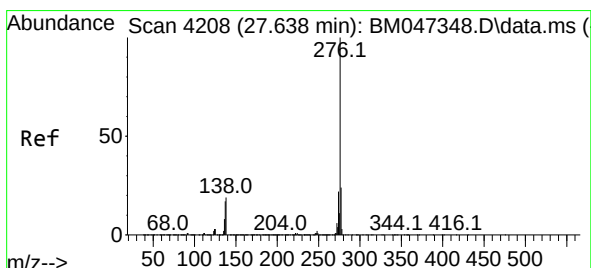
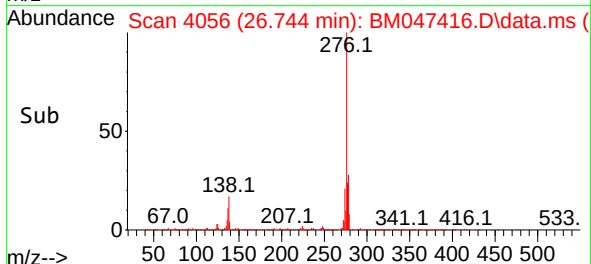
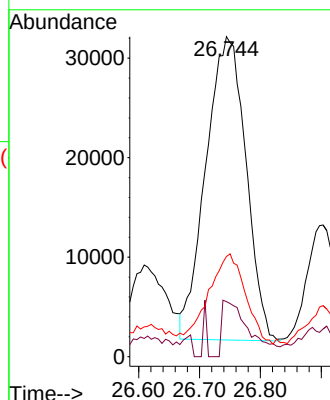
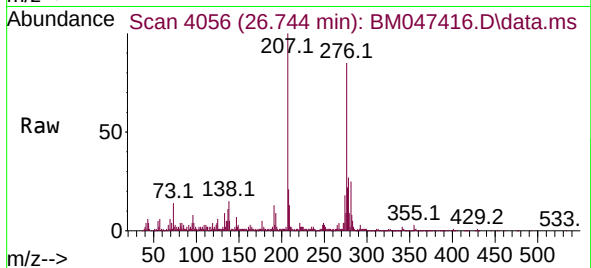
Tgt Ion:	278	Resp:	13920
Ion Ratio	Lower	Upper	
278	100		
139	17.2	11.1	16.7
279	31.3	19.2	28.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/02/2024

Supervised By :mohammad ahmed 09/02/2024



#92

Benzo(g,h,i)perylene

Concen: 9.418 ng

RT: 27.656 min Scan# 4211

Delta R.T. 0.018 min

Lab File: BM047416.D

Acq: 30 Aug 2024 21:38

Tgt Ion:	276	Resp:	574611
Ion Ratio	Lower	Upper	
276	100		
277	23.6	19.4	29.0
138	17.8	15.0	22.6

