

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082324\
 Data File : BM047341.D
 Acq On : 23 Aug 2024 20:07
 Operator : RC/JU
 Sample : P3714-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EO-01-08222024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/24/2024
 Supervised By :mohammad ahmed 08/24/2024

Quant Time: Aug 24 00:42:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Aug 11 23:47:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.351	152	362100	20.000	ng	-0.02
21) Naphthalene-d8	10.104	136	1313411	20.000	ng	-0.03
39) Acenaphthene-d10	14.010	164	856632	20.000	ng	-0.02
64) Phenanthrene-d10	16.780	188	1635051	20.000	ng	-0.01
76) Chrysene-d12	21.015	240	1049488	20.000	ng	-0.02
86) Perylene-d12	23.715	264	1177115	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	443200	21.870	ng	-0.01
7) Phenol-d6	6.569	99	557394	19.962	ng	-0.02
23) Nitrobenzene-d5	8.498	82	365381	14.008	ng	-0.02
42) 2,4,6-Tribromophenol	15.522	330	225460	22.699	ng	-0.02
45) 2-Fluorobiphenyl	12.616	172	892960	16.079	ng	-0.03
79) Terphenyl-d14	19.445	244	1071905	21.885	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	16.821	178	372741	4.542	ng	100
75) Fluoranthene	18.857	202	498993	5.000	ng	99
78) Pyrene	19.221	202	563751	7.523	ng	99
81) Benzo(a)anthracene	21.003	228	226710	3.254	ng	93
83) Chrysene	21.056	228	240995m	3.646	ng	
87) Indeno(1,2,3-cd)pyrene	26.709	276	159947	2.102	ng	95
88) Benzo(b)fluoranthene	22.874	252	276639	3.957	ng	# 84
90) Benzo(a)pyrene	23.592	252	217129	3.586	ng	# 91
92) Benzo(g,h,i)perylene	27.638	276	160661	2.513	ng	# 91

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

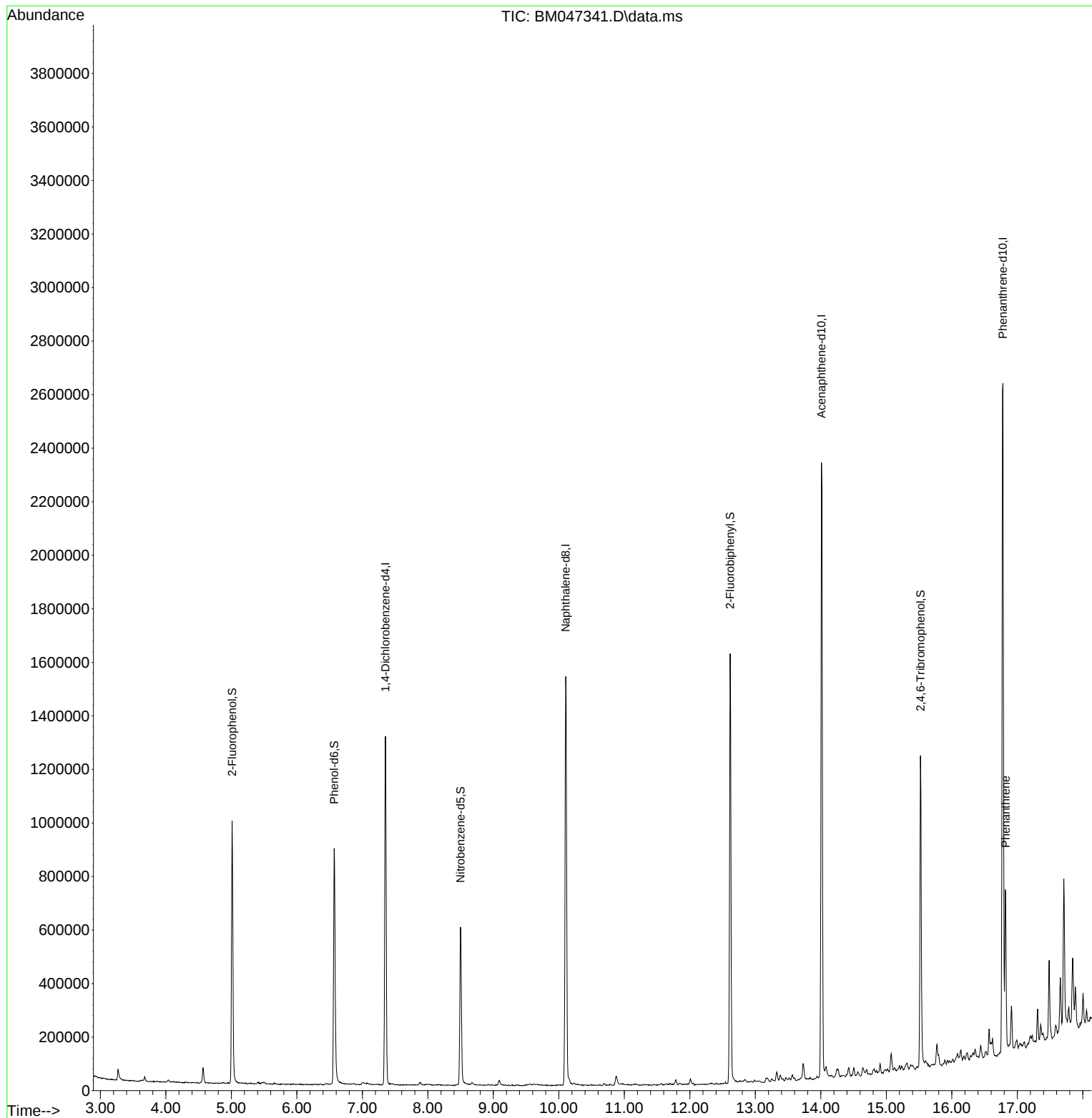
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082324\
Data File : BM047341.D
Acq On : 23 Aug 2024 20:07
Operator : RC/JU
Sample : P3714-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
EO-01-08222024

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/24/2024

Quant Time: Aug 24 00:42:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration



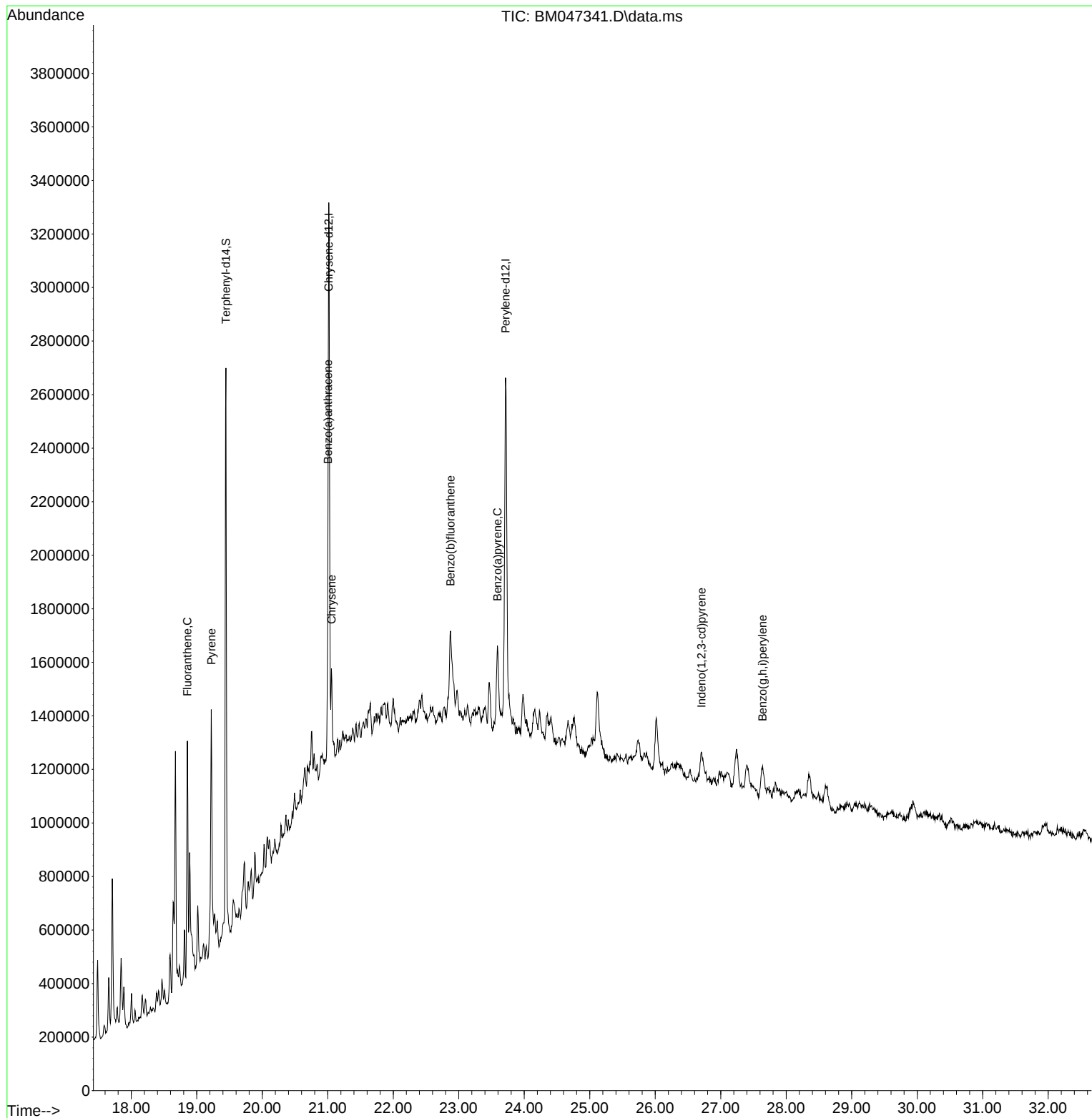
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082324\
Data File : BM047341.D
Acq On : 23 Aug 2024 20:07
Operator : RC/JU
Sample : P3714-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

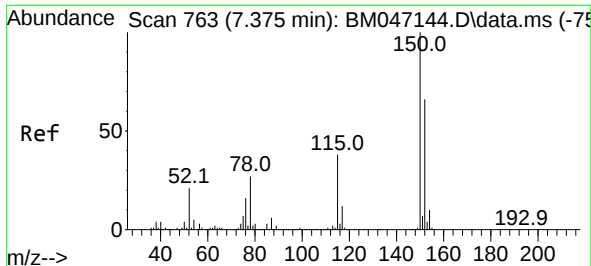
Instrument :
BNA_M
ClientSampleId :
EO-01-08222024

Quant Time: Aug 24 00:42:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

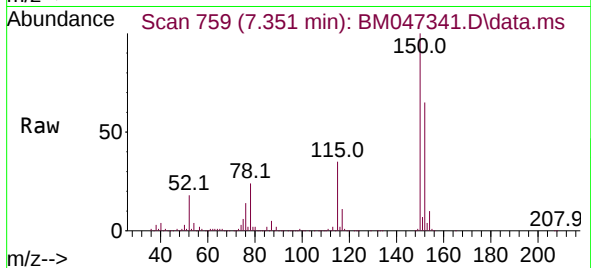
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/24/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.351 min Scan# 763
Delta R.T. -0.024 min
Lab File: BM047341.D
Acq: 23 Aug 2024 20:07

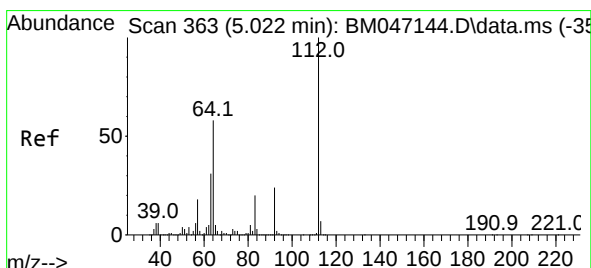
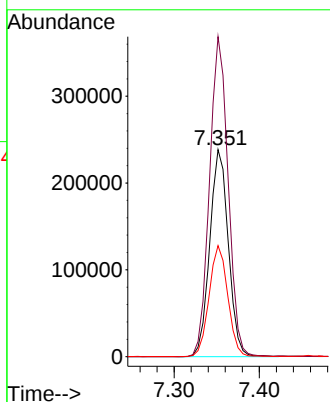
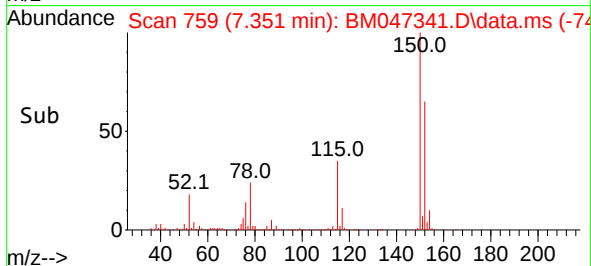
Instrument :
BNA_M
ClientSampleId :
EO-01-08222024



Tgt Ion:152 Resp: 362100
Ion Ratio Lower Upper
152 100
150 154.6 120.5 180.7
115 53.7 45.5 68.3

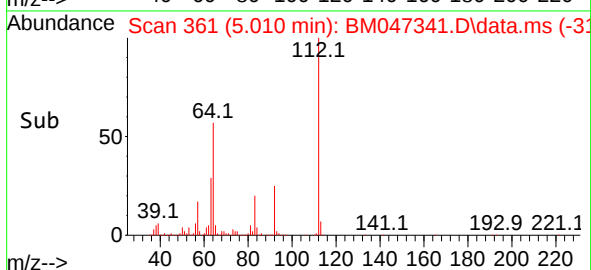
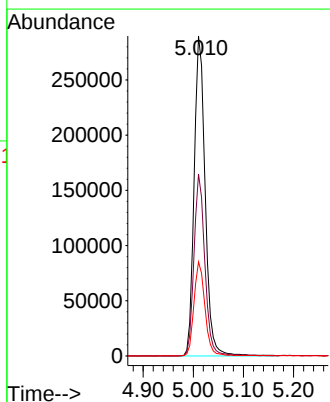
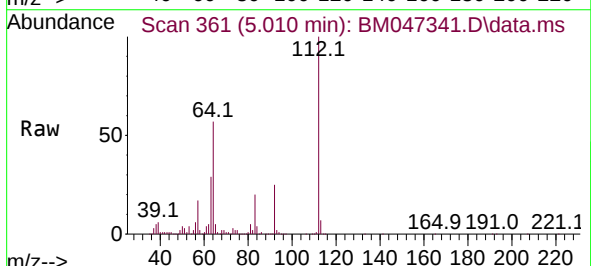
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/24/2024



#5
2-Fluorophenol
Concen: 21.870 ng
RT: 5.010 min Scan# 361
Delta R.T. -0.012 min
Lab File: BM047341.D
Acq: 23 Aug 2024 20:07

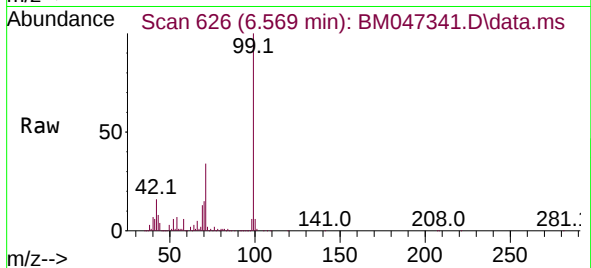
Tgt Ion:112 Resp: 443200
Ion Ratio Lower Upper
112 100
64 56.9 46.7 70.1
63 29.4 24.8 37.2





#7
Phenol-d6
Concen: 19.962 ng
RT: 6.569 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM047341.D
Acq: 23 Aug 2024 20:07

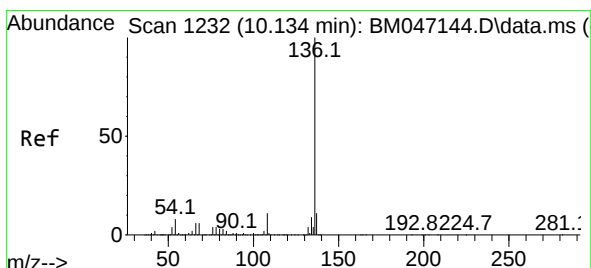
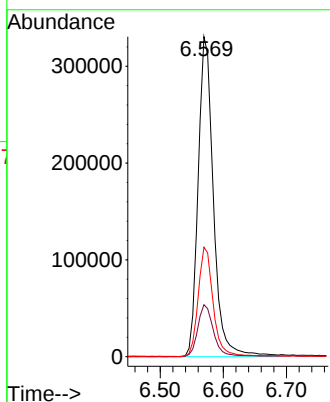
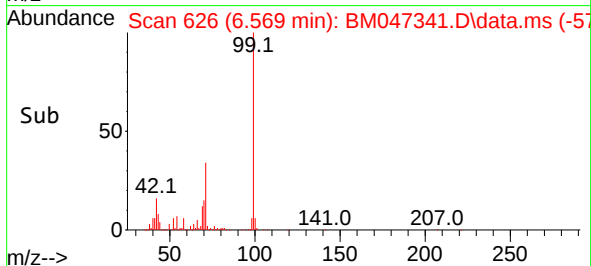
Instrument :
BNA_M
ClientSampleId :
EO-01-08222024



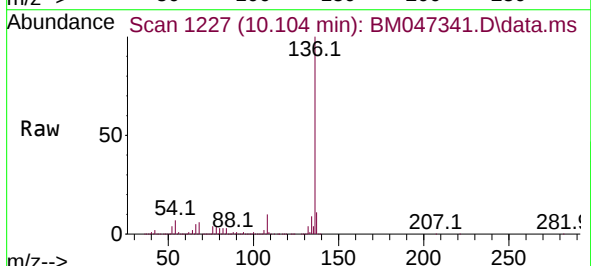
Tgt Ion: 99 Resp: 557394
Ion Ratio Lower Upper
99 100
42 16.3 14.1 21.1
71 34.2 28.5 42.7

Manual Integrations
APPROVED

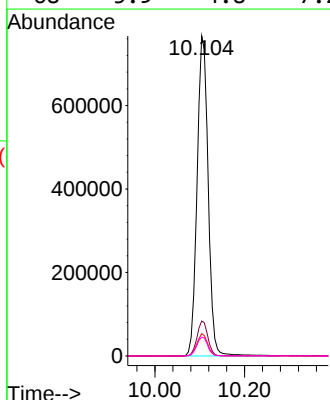
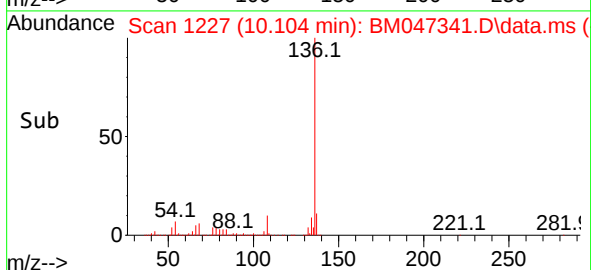
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/24/2024

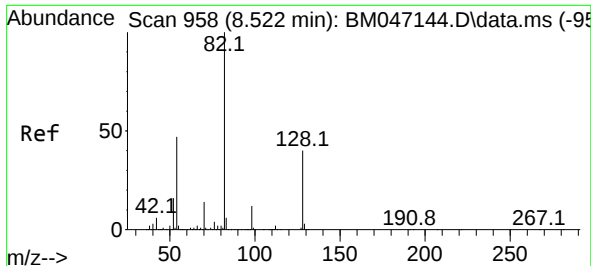


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1227
Delta R.T. -0.029 min
Lab File: BM047341.D
Acq: 23 Aug 2024 20:07



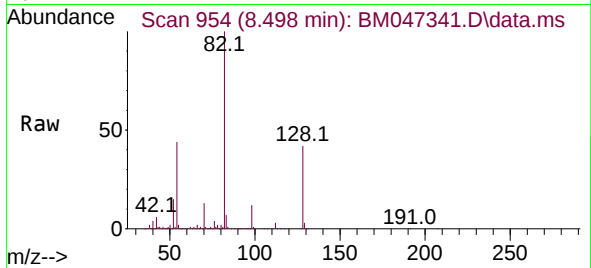
Tgt Ion:136 Resp: 1313411
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.9 6.0 9.0
68 5.9 4.8 7.2





#23
Nitrobenzene-d5
Concen: 14.008 ng
RT: 8.498 min Scan# 91
Delta R.T. -0.024 min
Lab File: BM047341.D
Acq: 23 Aug 2024 20:07

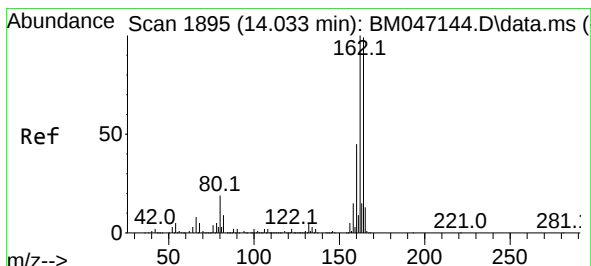
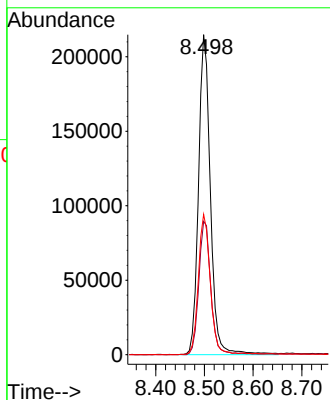
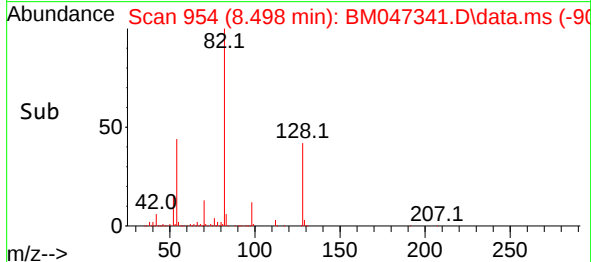
Instrument :
BNA_M
ClientSampleId :
EO-01-08222024



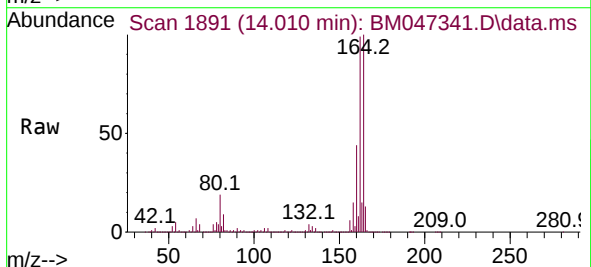
Tgt Ion: 82 Resp: 36538
Ion Ratio Lower Upper
82 100
128 41.6 32.3 48.5
54 43.9 37.4 56.2

Manual Integrations
APPROVED

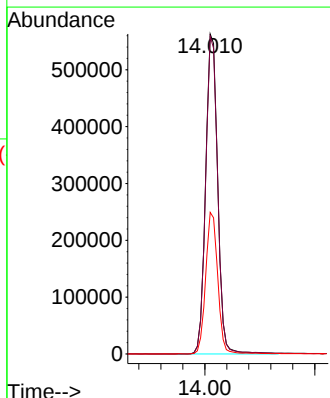
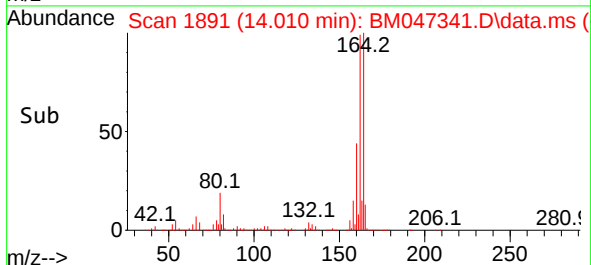
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/24/2024

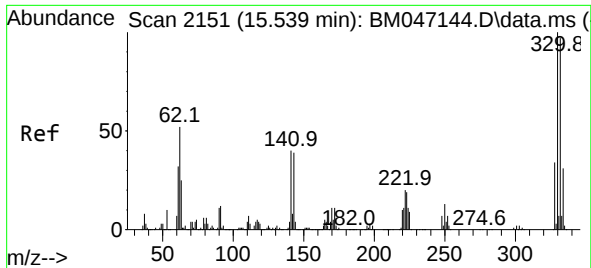


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.010 min Scan# 1891
Delta R.T. -0.024 min
Lab File: BM047341.D
Acq: 23 Aug 2024 20:07



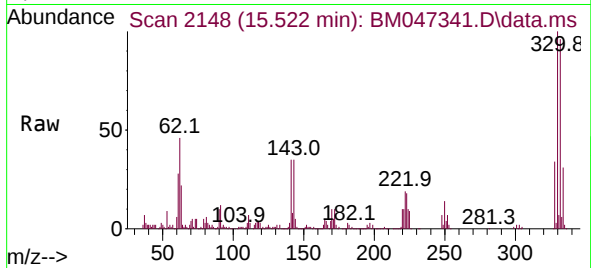
Tgt Ion:164 Resp: 856632
Ion Ratio Lower Upper
164 100
162 99.3 80.7 121.1
160 44.2 36.0 54.0





#42
2,4,6-Tribromophenol
Concen: 22.699 ng
RT: 15.522 min Scan# 2151
Delta R.T. -0.018 min
Lab File: BM047341.D
Acq: 23 Aug 2024 20:07

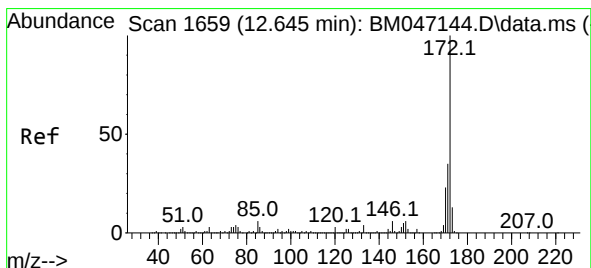
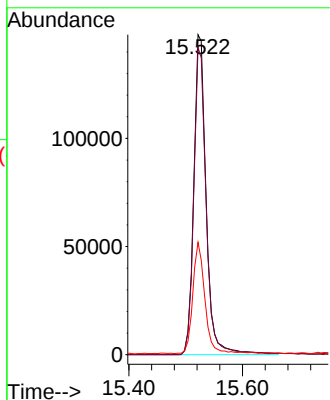
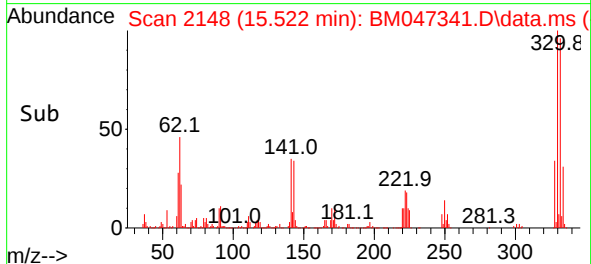
Instrument :
BNA_M
ClientSampleId :
EO-01-08222024



Tgt Ion:330 Resp: 225460
Ion Ratio Lower Upper
330 100
332 95.9 77.4 116.2
141 33.8 31.6 47.4

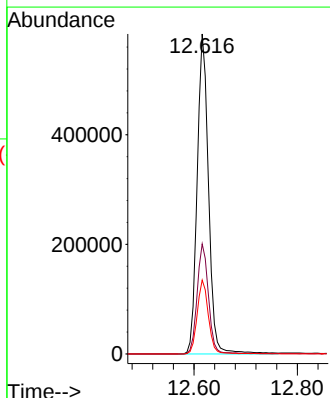
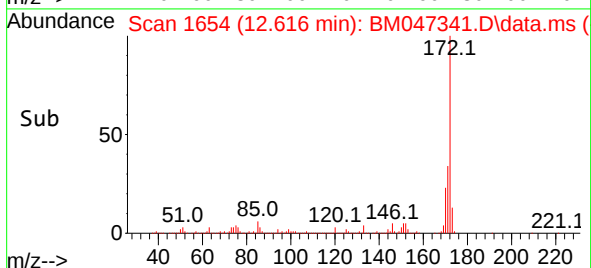
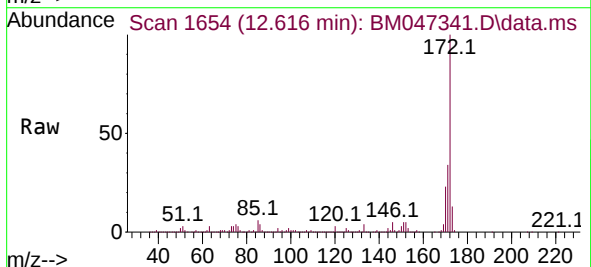
Manual Integrations
APPROVED

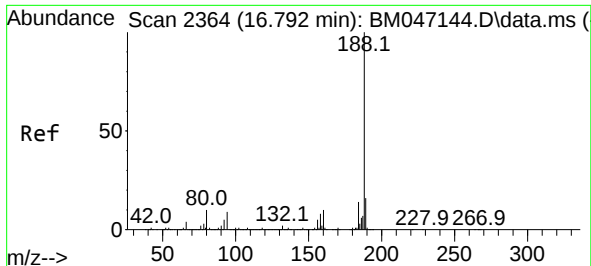
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/24/2024



#45
2-Fluorobiphenyl
Concen: 16.079 ng
RT: 12.616 min Scan# 1654
Delta R.T. -0.029 min
Lab File: BM047341.D
Acq: 23 Aug 2024 20:07

Tgt Ion:172 Resp: 892960
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.6
170 23.1 18.7 28.1





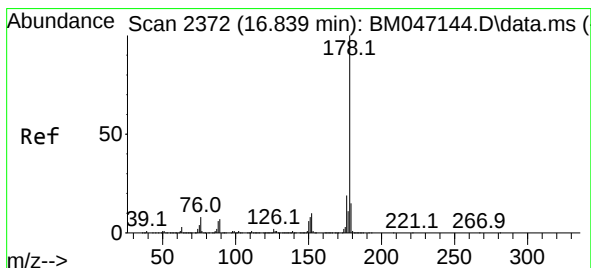
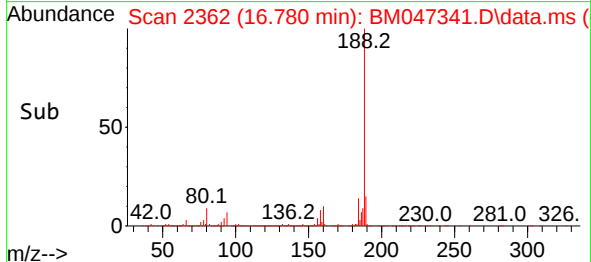
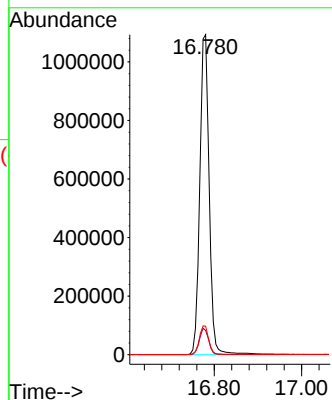
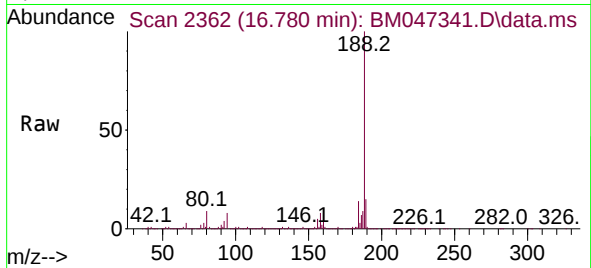
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.780 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM047341.D
Acq: 23 Aug 2024 20:07

Instrument :
BNA_M
ClientSampleId :
EO-01-08222024

Tgt Ion:188 Resp: 163505
Ion Ratio Lower Upper
188 100
94 7.5 7.0 10.6
80 8.9 8.0 12.0

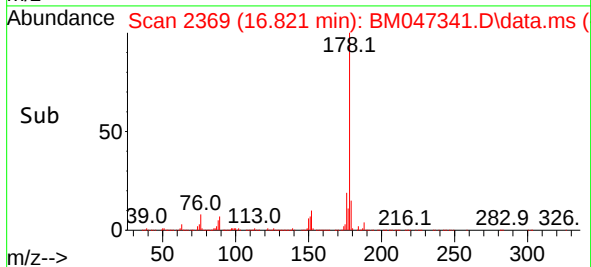
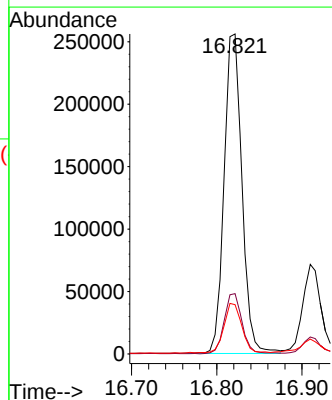
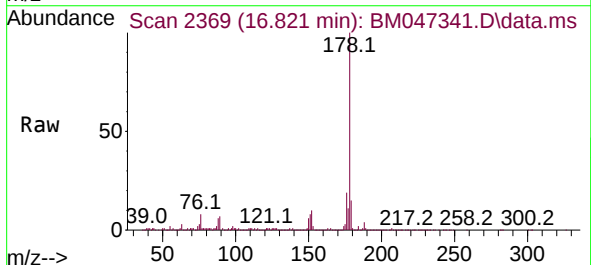
Manual Integrations
APPROVED

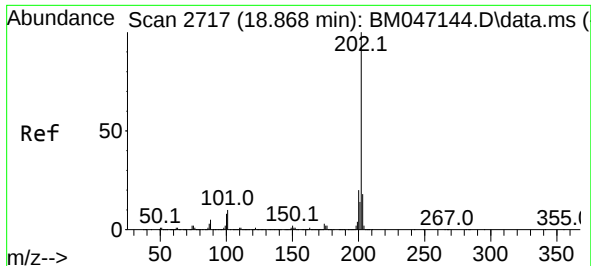
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/24/2024



#71
Phenanthrene
Concen: 4.542 ng
RT: 16.821 min Scan# 2369
Delta R.T. -0.018 min
Lab File: BM047341.D
Acq: 23 Aug 2024 20:07

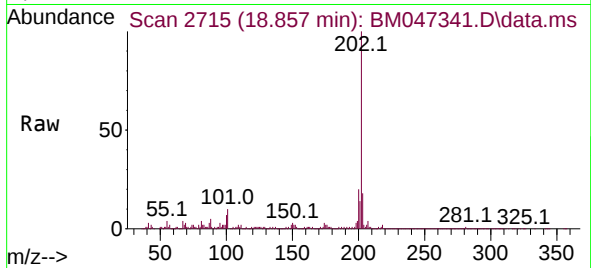
Tgt Ion:178 Resp: 372741
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.4 12.4 18.6





#75
Fluoranthene
Concen: 5.000 ng
RT: 18.857 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM047341.D
Acq: 23 Aug 2024 20:07

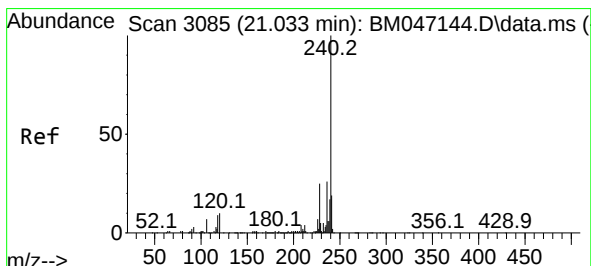
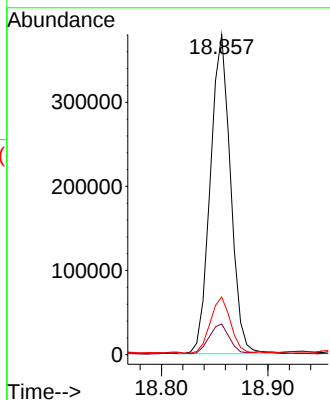
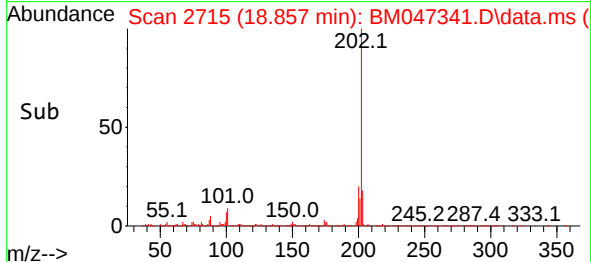
Instrument :
BNA_M
ClientSampleId :
EO-01-08222024



Tgt Ion:202 Resp: 49899
Ion Ratio Lower Upper
202 100
101 9.6 0.0 30.2
203 18.0 0.0 37.6

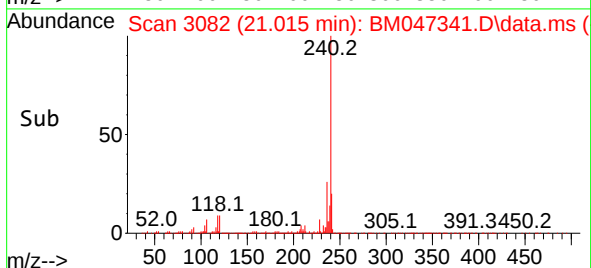
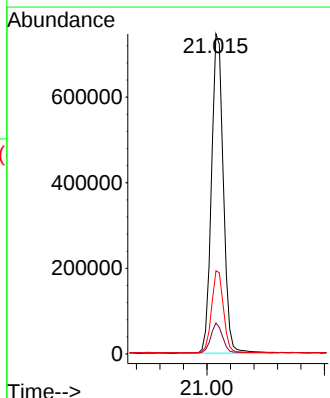
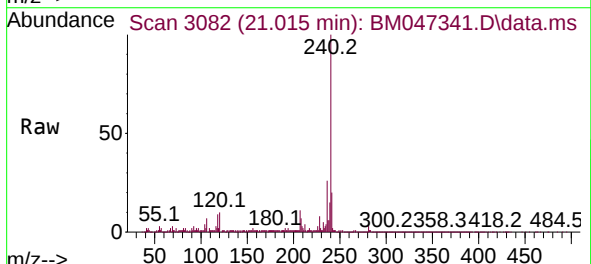
Manual Integrations
APPROVED

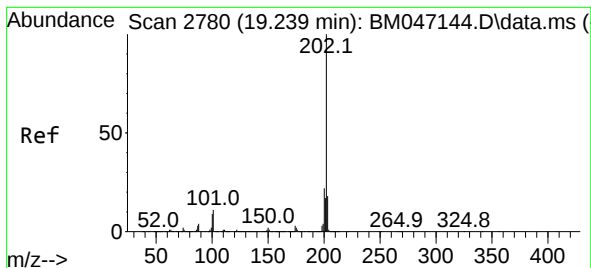
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/24/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.015 min Scan# 3082
Delta R.T. -0.018 min
Lab File: BM047341.D
Acq: 23 Aug 2024 20:07

Tgt Ion:240 Resp: 1049488
Ion Ratio Lower Upper
240 100
120 9.7 8.2 12.2
236 26.0 20.6 30.8





#78

Pyrene

Concen: 7.523 ng

RT: 19.221 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM047341.D

Acq: 23 Aug 2024 20:07

Instrument :

BNA_M

ClientSampleId :

EO-01-08222024

Tgt Ion:202 Resp: 56375

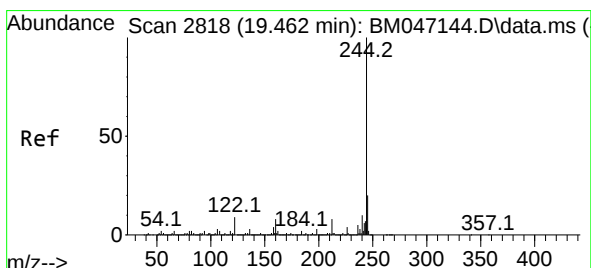
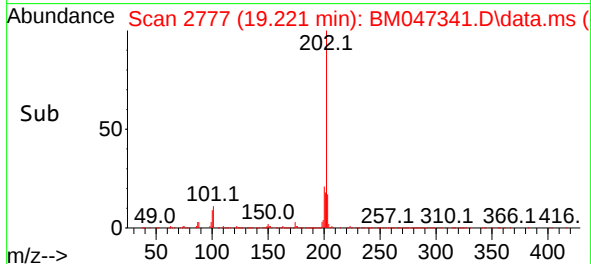
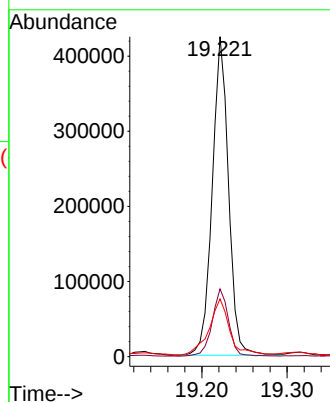
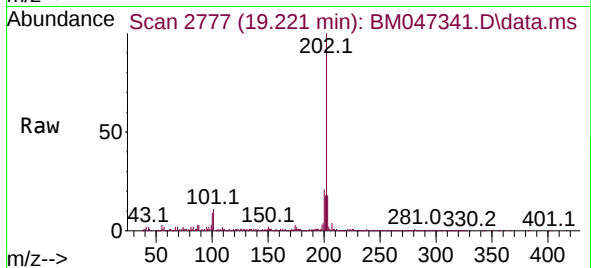
Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	18.0	14.2	21.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/24/2024

Supervised By :mohammad ahmed 08/24/2024



#79

Terphenyl-d14

Concen: 21.885 ng

RT: 19.445 min Scan# 2815

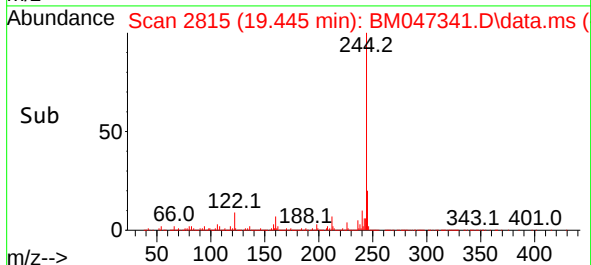
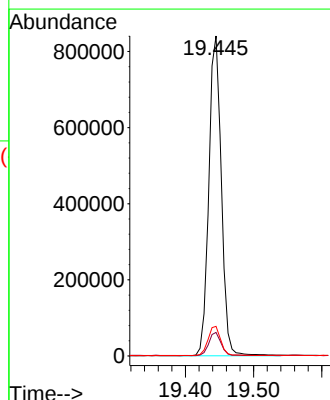
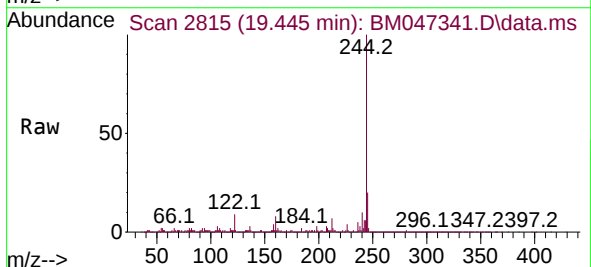
Delta R.T. -0.018 min

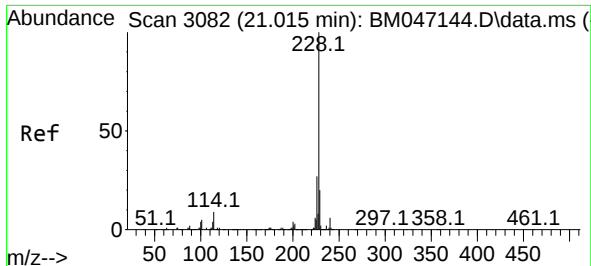
Lab File: BM047341.D

Acq: 23 Aug 2024 20:07

Tgt Ion:244 Resp: 1071905

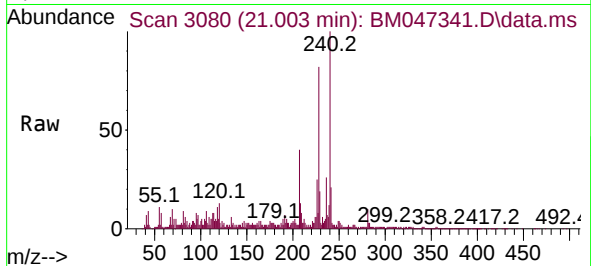
Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.2	9.4
122	9.2	7.1	10.7





#81
Benzo(a)anthracene
Concen: 3.254 ng
RT: 21.003 min Scan# 3080
Delta R.T. -0.012 min
Lab File: BM047341.D
Acq: 23 Aug 2024 20:07

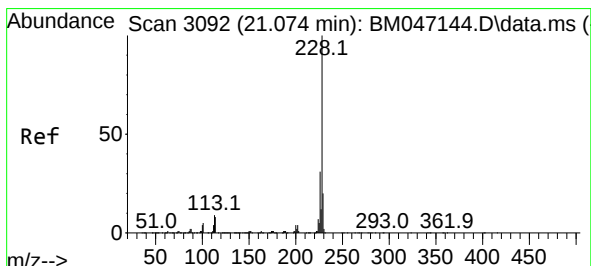
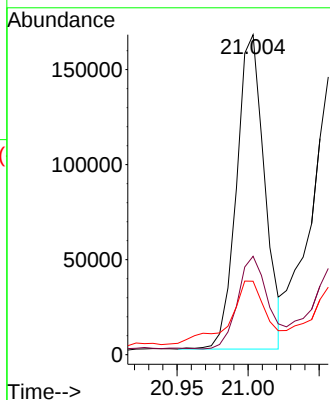
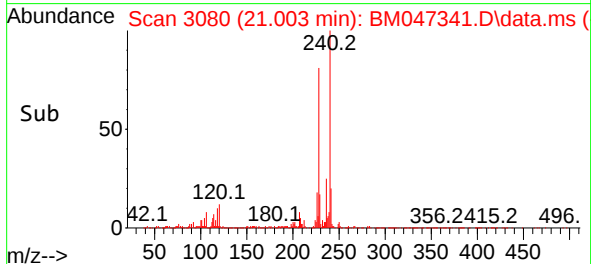
Instrument :
BNA_M
ClientSampleId :
EO-01-08222024



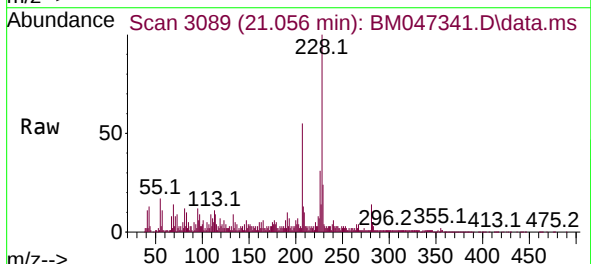
Tgt Ion:228 Resp: 226710
Ion Ratio Lower Upper
228 100
226 30.8 21.8 32.6
229 22.9 15.8 23.8

Manual Integrations
APPROVED

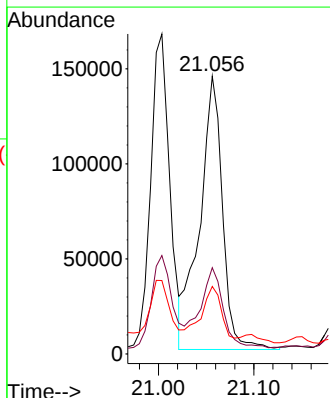
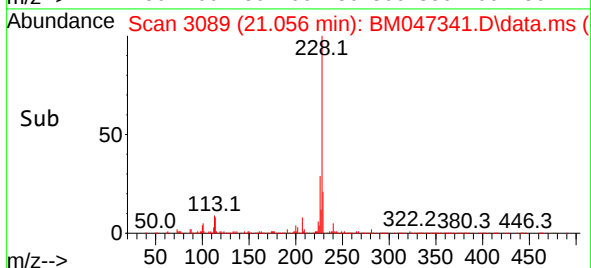
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/24/2024

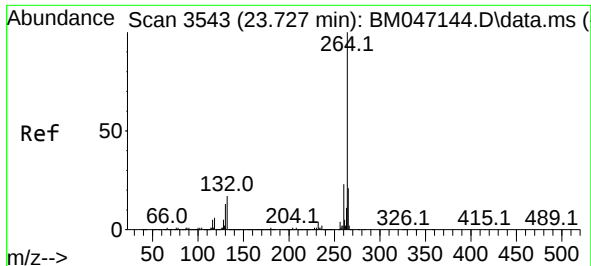


#83
Chrysene
Concen: 3.646 ng m
RT: 21.056 min Scan# 3089
Delta R.T. -0.018 min
Lab File: BM047341.D
Acq: 23 Aug 2024 20:07



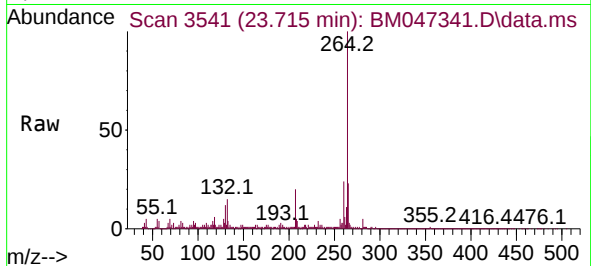
Tgt Ion:228 Resp: 240995
Ion Ratio Lower Upper
228 100
226 31.1 24.4 36.6
229 24.3 15.7 23.5#





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.715 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM047341.D
Acq: 23 Aug 2024 20:07

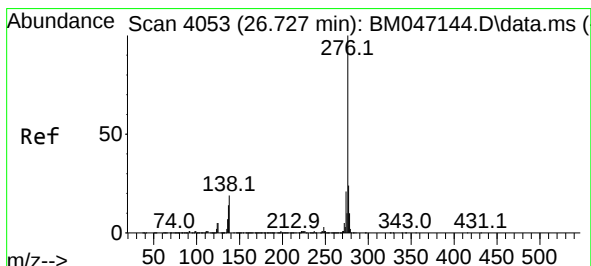
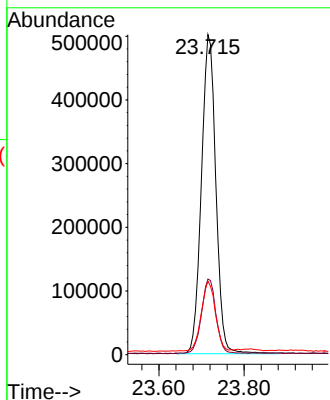
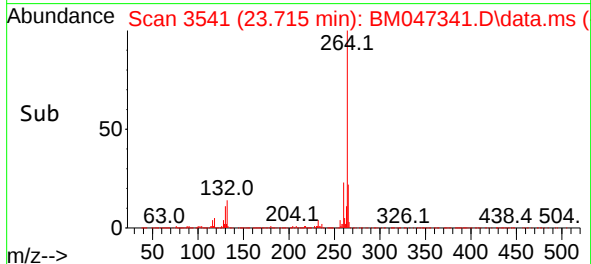
Instrument :
BNA_M
ClientSampleId :
EO-01-08222024



Tgt Ion:264 Resp: 117711
Ion Ratio Lower Upper
264 100
260 23.7 18.5 27.7
265 23.0 17.3 25.9

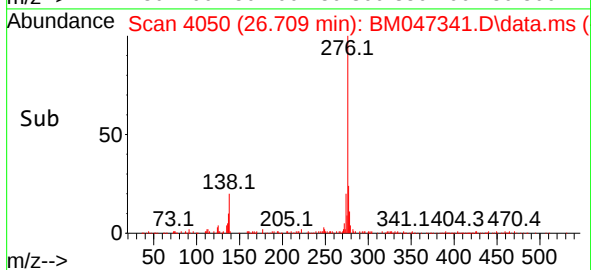
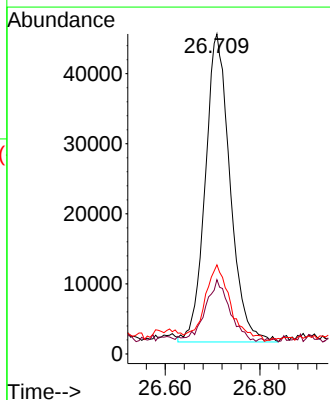
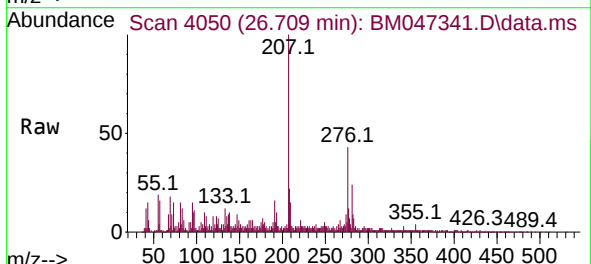
Manual Integrations
APPROVED

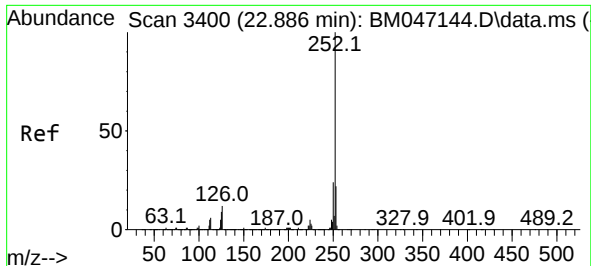
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/24/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.102 ng
RT: 26.709 min Scan# 4050
Delta R.T. -0.018 min
Lab File: BM047341.D
Acq: 23 Aug 2024 20:07

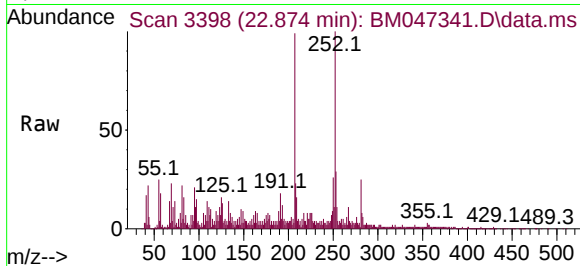
Tgt Ion:276 Resp: 159947
Ion Ratio Lower Upper
276 100
138 19.5 19.4 29.0
277 25.0 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 3.957 ng
RT: 22.874 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM047341.D
Acq: 23 Aug 2024 20:07

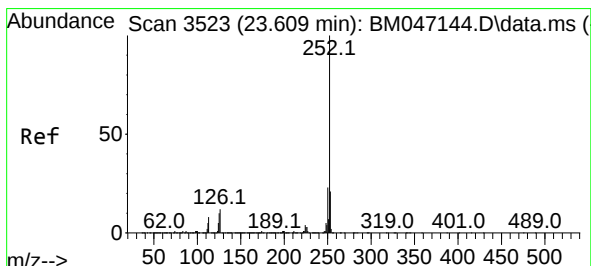
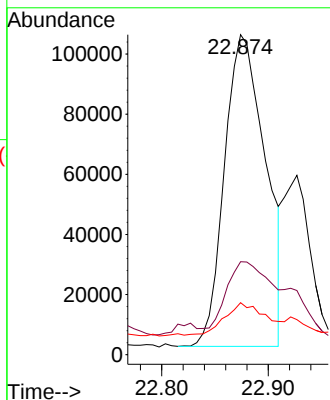
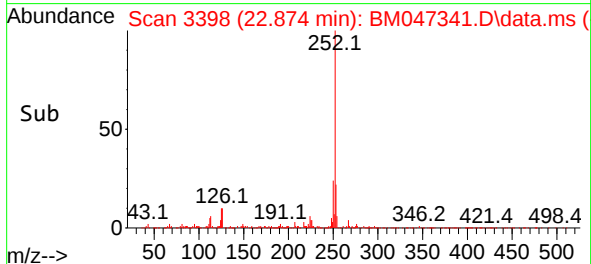
Instrument :
BNA_M
ClientSampleId :
EO-01-08222024



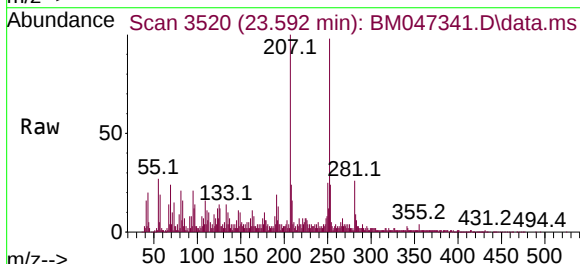
Tgt Ion:252 Resp: 276639
Ion Ratio Lower Upper
252 100
253 29.1 17.8 26.6
125 16.2 7.4 11.0

Manual Integrations
APPROVED

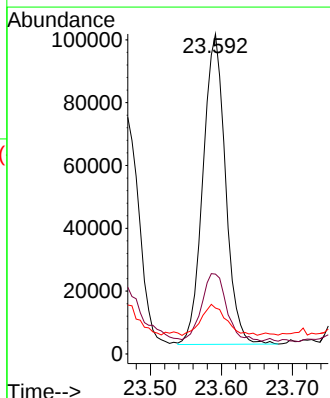
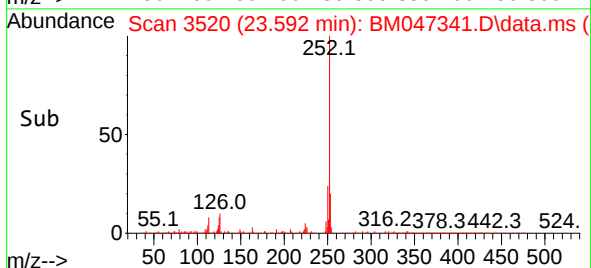
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/24/2024

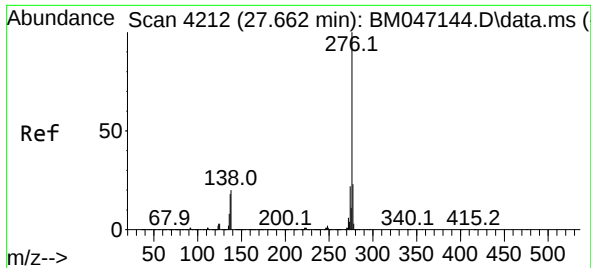


#90
Benzo(a)pyrene
Concen: 3.586 ng
RT: 23.592 min Scan# 3520
Delta R.T. -0.018 min
Lab File: BM047341.D
Acq: 23 Aug 2024 20:07



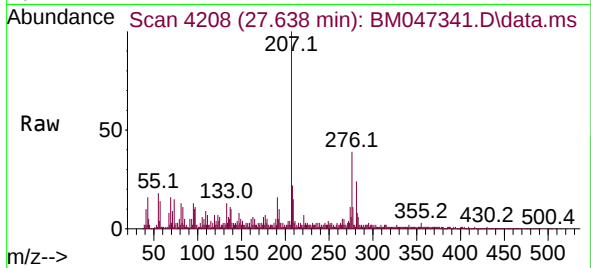
Tgt Ion:252 Resp: 217129
Ion Ratio Lower Upper
252 100
253 25.0 17.1 25.7
125 14.3 8.2 12.2





#92
 Benzo(g,h,i)perylene
 Concen: 2.513 ng
 RT: 27.638 min Scan# 41
 Delta R.T. -0.024 min
 Lab File: BM047341.D
 Acq: 23 Aug 2024 20:07

Instrument :
 BNA_M
 ClientSampleId :
 EO-01-08222024



Tgt Ion:276 Resp: 16066
 Ion Ratio Lower Upper
 276 100
 277 27.7 18.8 28.2
 138 24.9 16.2 24.4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/24/2024
 Supervised By :mohammad ahmed 08/24/2024

