

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102623\
 Data File : BM042458.D
 Acq On : 26 Oct 2023 18:32
 Operator : MA/JU
 Sample : 05021-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 350

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/27/2023
 Supervised By :mohammad ahmed 10/27/2023

Quant Time: Oct 26 19:06:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 21 02:32:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	201356	20.000	ng	0.00
21) Naphthalene-d8	10.816	136	833380	20.000	ng	0.00
39) Acenaphthene-d10	14.639	164	520469	20.000	ng	0.00
64) Phenanthrene-d10	17.392	188	1132898	20.000	ng	0.00
76) Chrysene-d12	21.568	240	810473	20.000	ng	-0.01
86) Perylene-d12	24.033	264	677020	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1136670	79.783	ng	0.00
7) Phenol-d6	7.151	99	1559557	81.683	ng	0.00
23) Nitrobenzene-d5	9.192	82	1016244	53.922	ng	0.00
42) 2,4,6-Tribromophenol	16.133	330	620685	109.550	ng	0.00
45) 2-Fluorobiphenyl	13.263	172	2069966	53.556	ng	0.00
79) Terphenyl-d14	20.003	244	3257693	71.285	ng	0.00
Target Compounds						Qvalue
70) Pentachlorophenol	17.021	266	1826	6.166	ng	99
71) Phenanthrene	17.433	178	552440	8.964	ng	100
74) Di-n-butylphthalate	18.327	149	50552	3.474	ng	98
75) Fluoranthene	19.445	202	921041	13.570	ng	98
78) Pyrene	19.809	202	892895	15.766	ng	99
81) Benzo(a)anthracene	21.550	228	321142	5.911	ng	99
83) Chrysene	21.609	228	345852	6.628	ng	97
84) Bis(2-ethylhexyl)phtha...	21.433	149	403158	13.640	ng	# 97
87) Indeno(1,2,3-cd)pyrene	26.609	276	132921	2.687	ng	# 91
88) Benzo(b)fluoranthene	23.274	252	309115	7.585	ng	97
89) Benzo(k)fluoranthene	23.315	252	112311m	2.655	ng	
90) Benzo(a)pyrene	23.921	252	206855	5.274	ng	97
92) Benzo(g,h,i)perylene	27.426	276	130324	3.262	ng	95

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

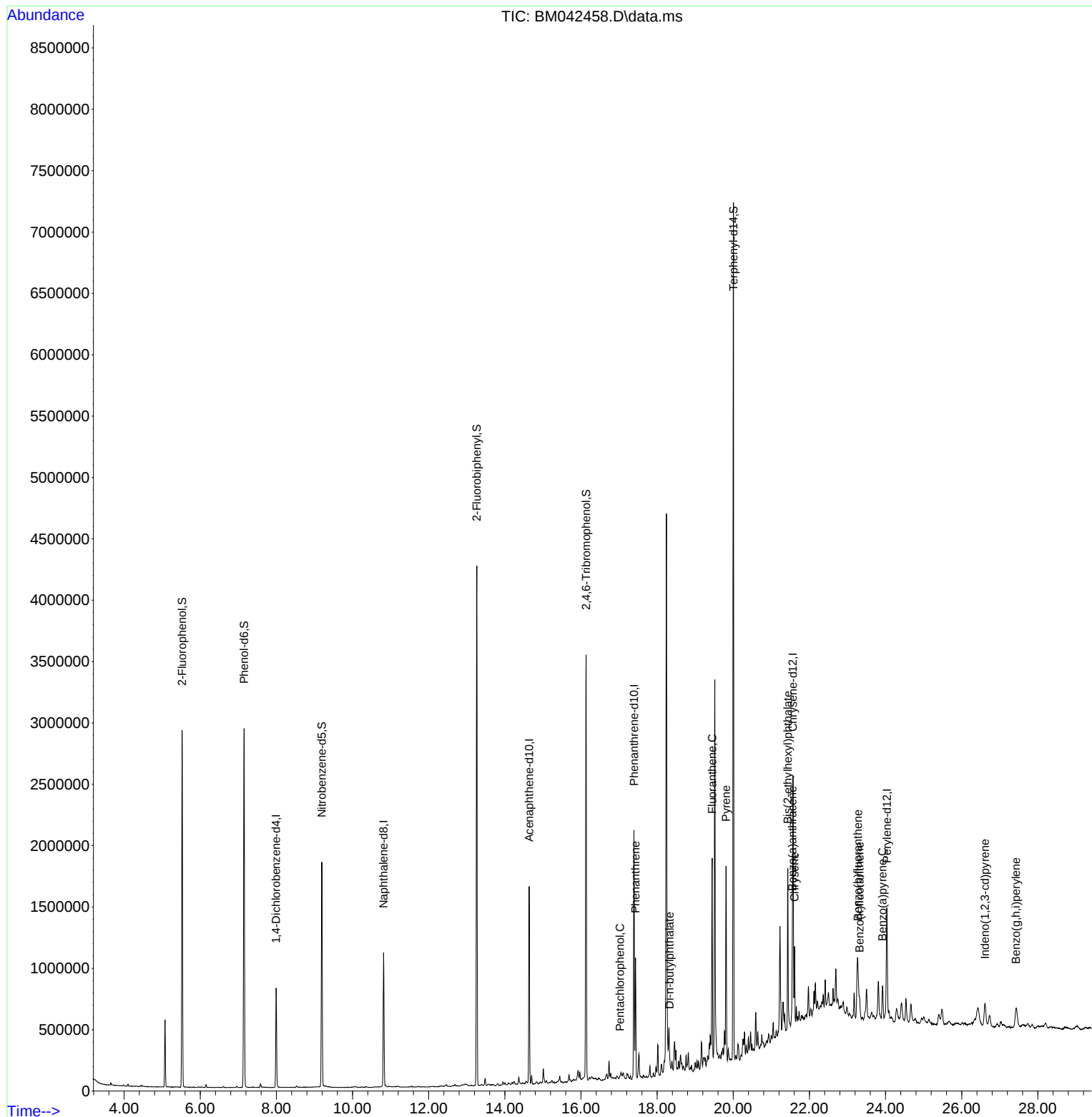
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102623\
Data File : BM042458.D
Acq On : 26 Oct 2023 18:32
Operator : MA/JU
Sample : 05021-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

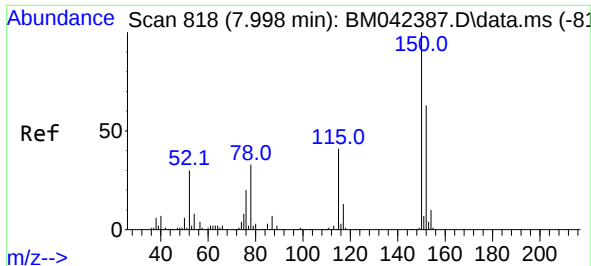
Instrument :
BNA_M
ClientSampleId :
350

Quant Time: Oct 26 19:06:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 21 02:32:53 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

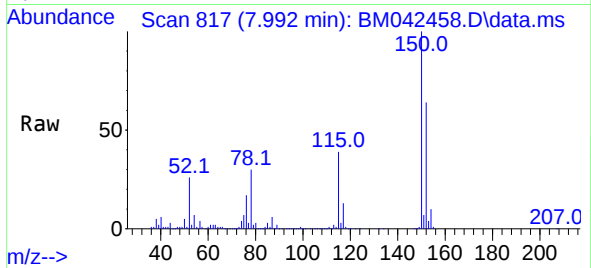
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.992 min Scan# 818
Delta R.T. -0.006 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

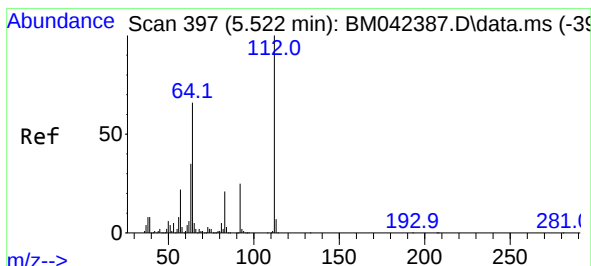
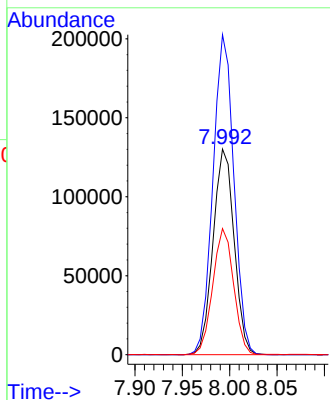
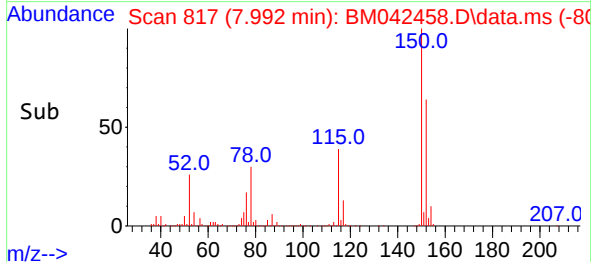
Instrument :
BNA_M
ClientSampleId :
350



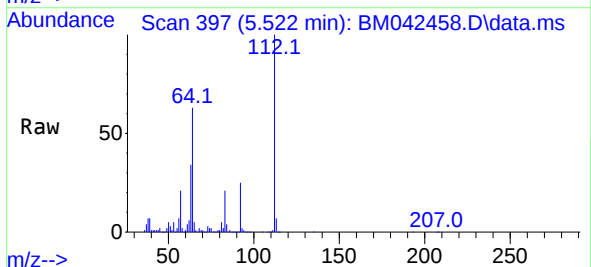
Tgt Ion:152 Resp: 201350
Ion Ratio Lower Upper
152 100
150 155.7 126.2 189.4
115 61.4 51.9 77.9

Manual Integrations
APPROVED

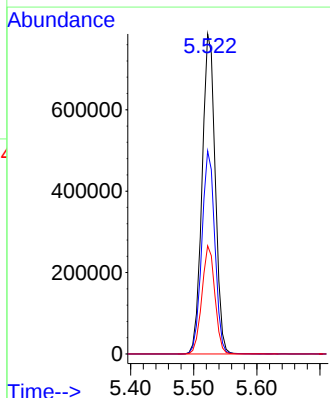
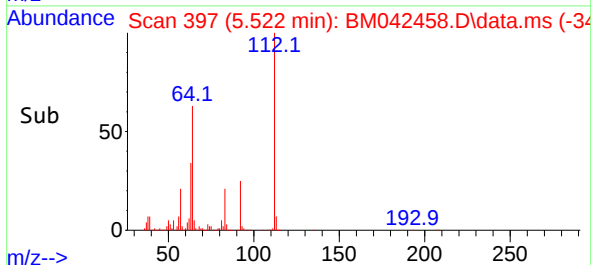
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

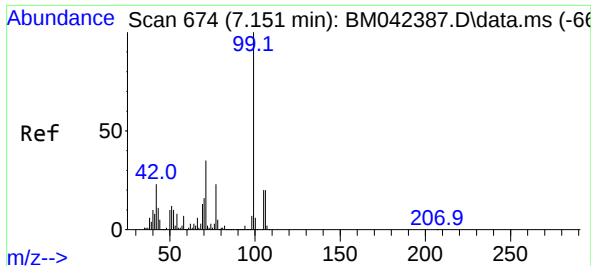


#5
2-Fluorophenol
Concen: 79.783 ng
RT: 5.522 min Scan# 397
Delta R.T. -0.000 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32



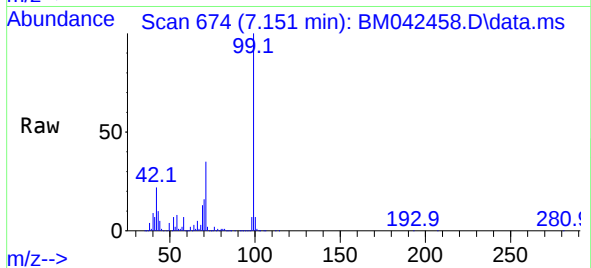
Tgt Ion:112 Resp: 1136670
Ion Ratio Lower Upper
112 100
64 63.4 52.7 79.1
63 33.8 28.3 42.5





#7
Phenol-d6
Concen: 81.683 ng
RT: 7.151 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

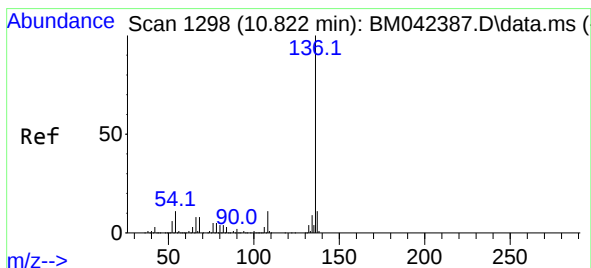
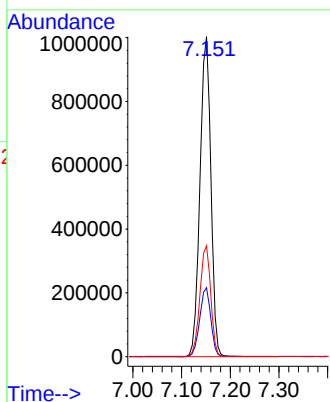
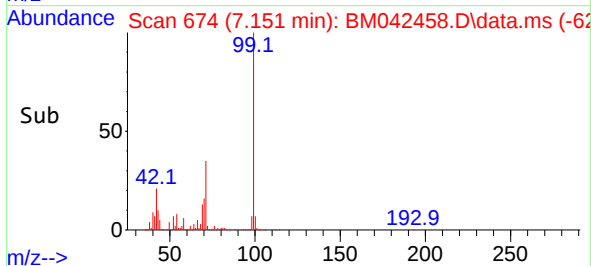
Instrument :
BNA_M
ClientSampleId :
350



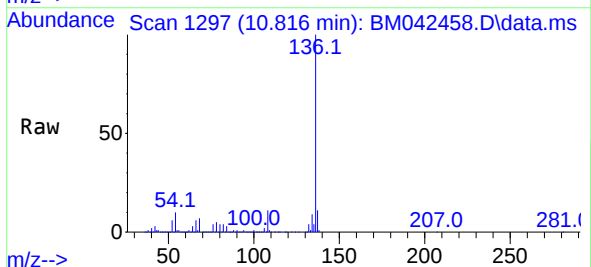
Tgt Ion: 99 Resp: 155955
Ion Ratio Lower Upper
99 100
42 21.6 18.5 27.7
71 34.6 27.7 41.5

Manual Integrations
APPROVED

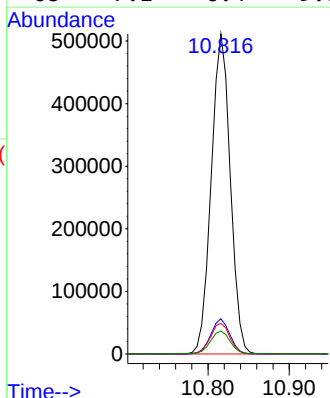
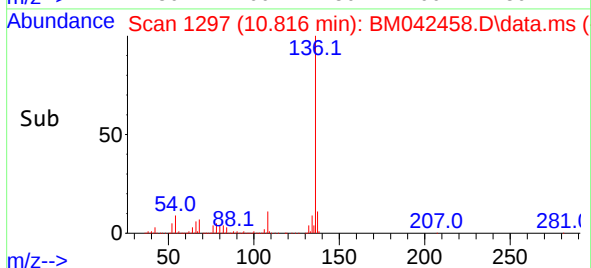
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

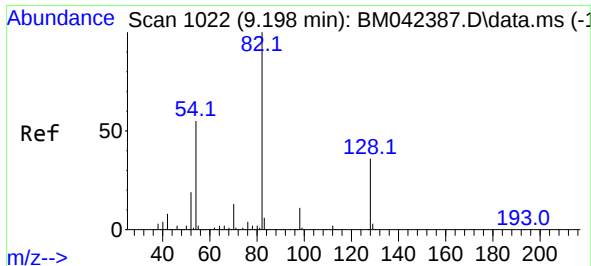


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.816 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32



Tgt Ion:136 Resp: 833380
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 9.5 8.6 12.8
68 7.1 6.4 9.6





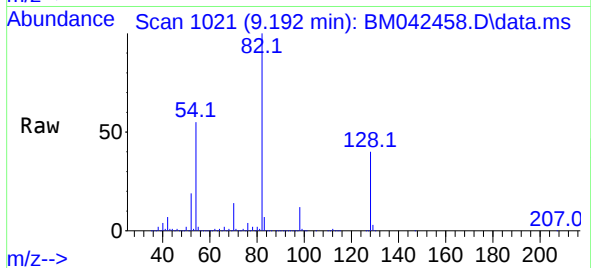
#23
Nitrobenzene-d5
Concen: 53.922 ng
RT: 9.192 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

Instrument :

BNA_M

ClientSampleId :

350



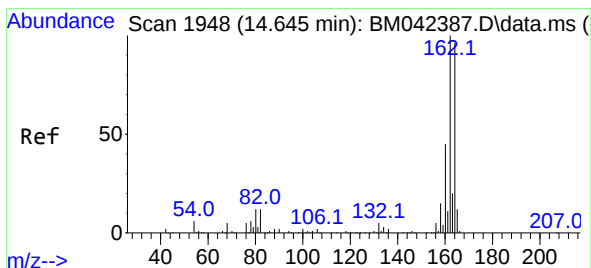
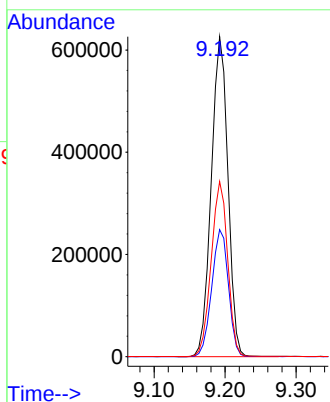
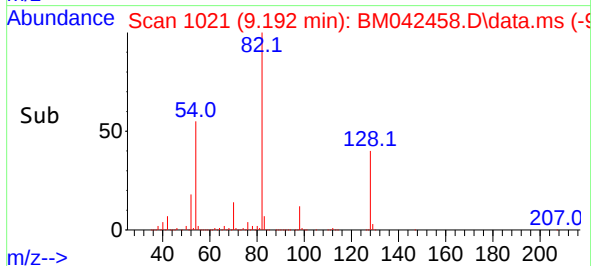
Tgt Ion: 82 Resp: 1016244
Ion Ratio Lower Upper
82 100
128 39.7 29.0 43.6
54 54.7 43.7 65.5

Manual Integrations

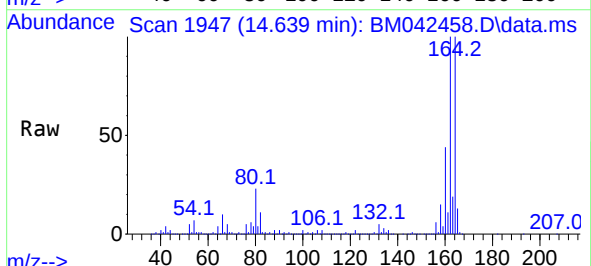
APPROVED

Reviewed By :Yogesh Patel 10/27/2023

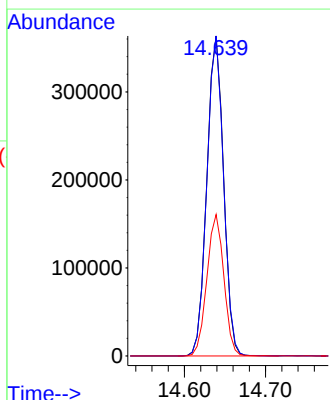
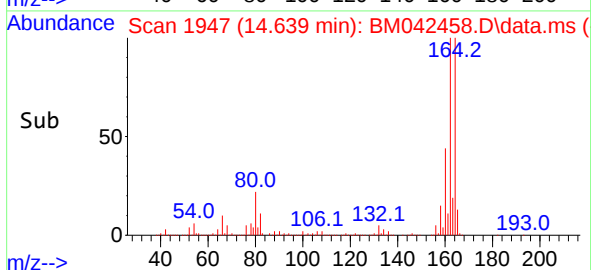
Supervised By :mohammad ahmed 10/27/2023

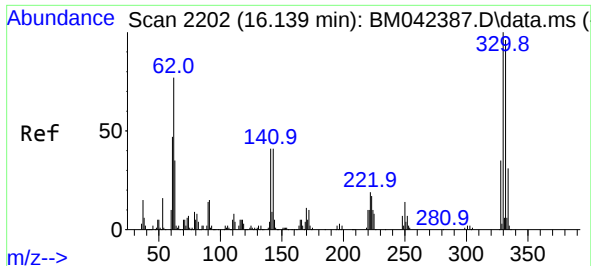


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.639 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32



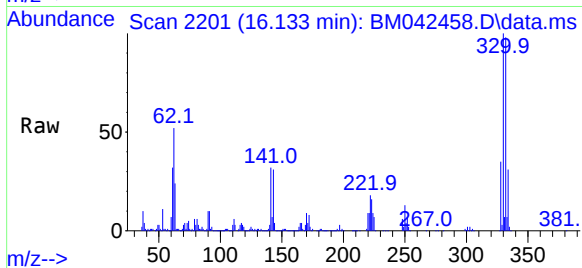
Tgt Ion:164 Resp: 520469
Ion Ratio Lower Upper
164 100
162 100.0 83.0 124.4
160 44.2 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 109.550 ng
RT: 16.133 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

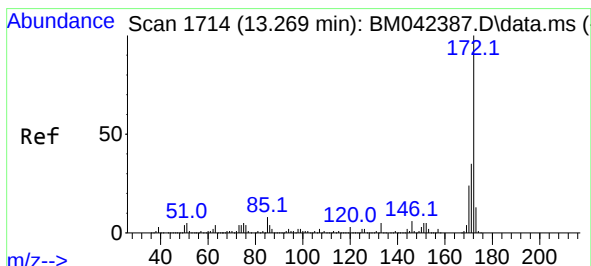
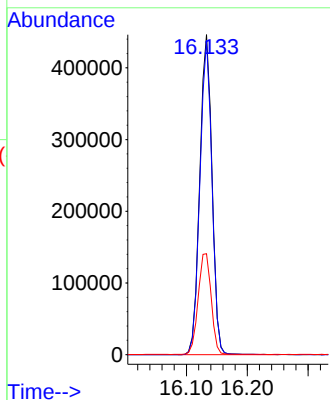
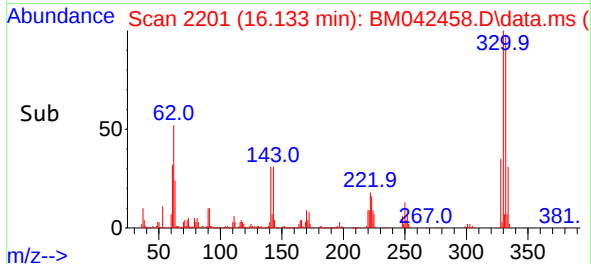
Instrument :
BNA_M
ClientSampleId :
350



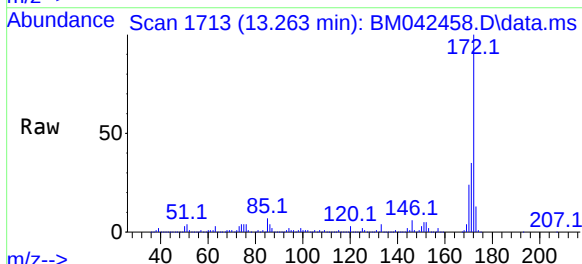
Tgt Ion:330 Resp: 620685
Ion Ratio Lower Upper
330 100
332 96.5 77.6 116.4
141 33.5 38.0 57.0

Manual Integrations
APPROVED

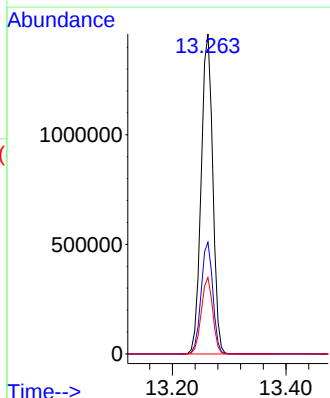
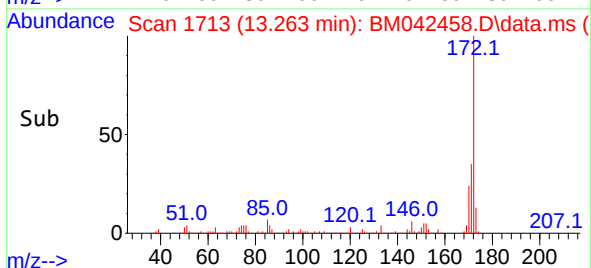
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

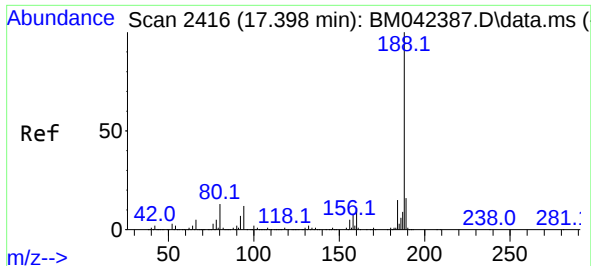


#45
2-Fluorobiphenyl
Concen: 53.556 ng
RT: 13.263 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32



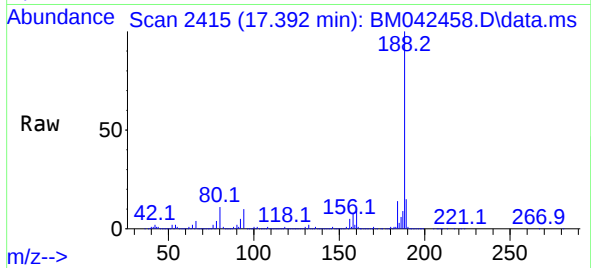
Tgt Ion:172 Resp: 2069966
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 23.9 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.392 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

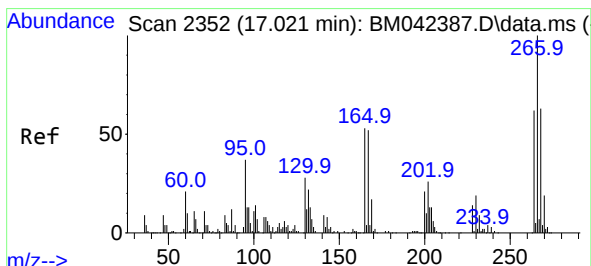
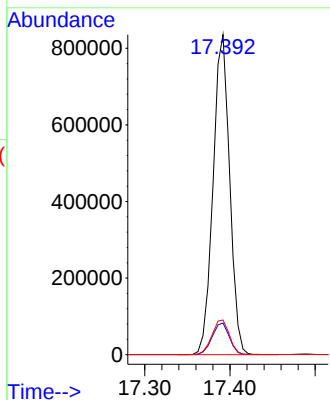
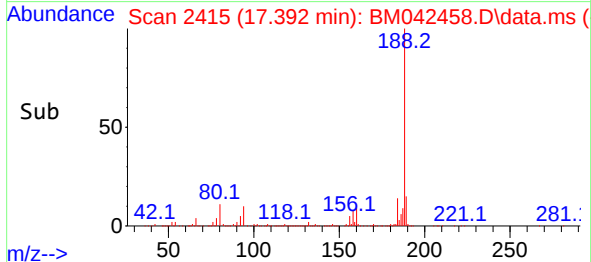
Instrument :
BNA_M
ClientSampleId :
350



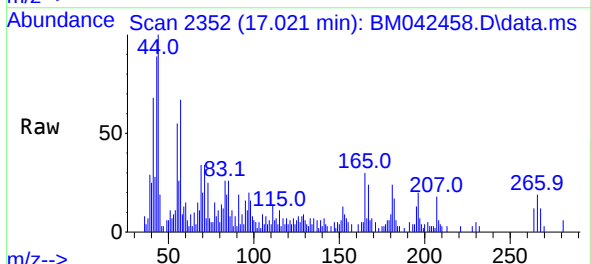
Tgt Ion:188 Resp: 113289
Ion Ratio Lower Upper
188 100
94 9.9 9.4 14.0
80 10.9 10.7 16.1

Manual Integrations
APPROVED

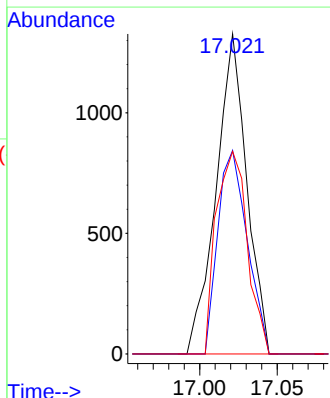
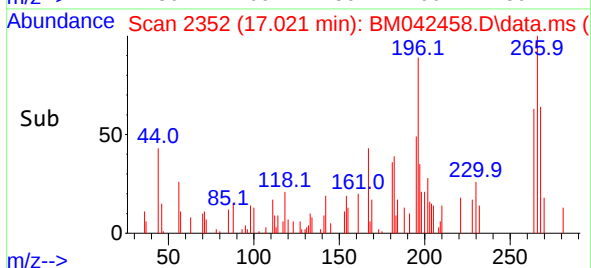
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

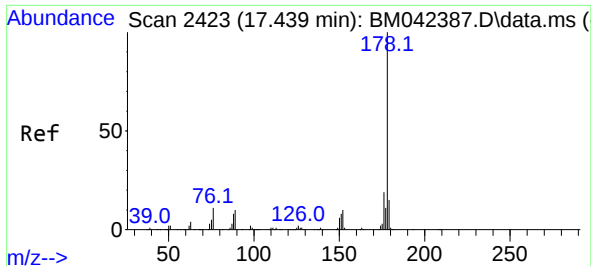


#70
Pentachlorophenol
Concen: 6.166 ng
RT: 17.021 min Scan# 2352
Delta R.T. 0.000 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32



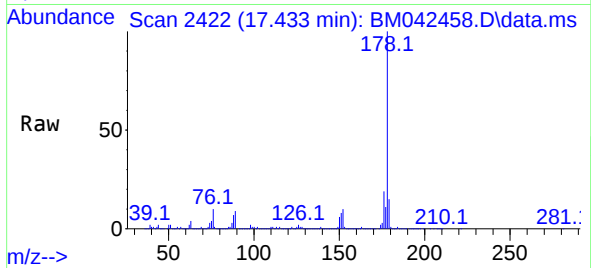
Tgt Ion:266 Resp: 1826
Ion Ratio Lower Upper
266 100
268 63.6 50.6 76.0
264 63.3 49.4 74.0





#71
Phenanthrene
Concen: 8.964 ng
RT: 17.433 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

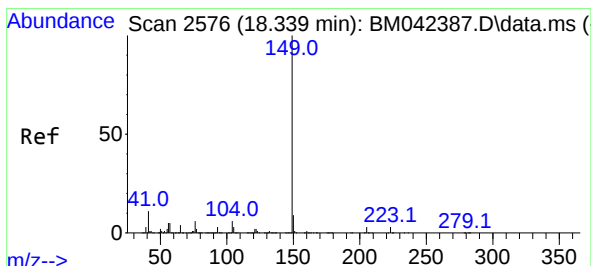
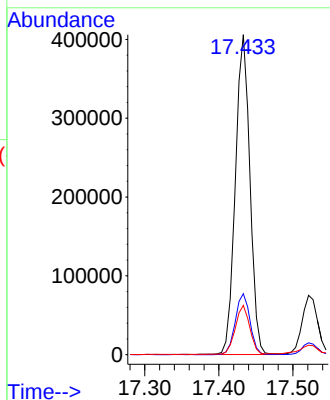
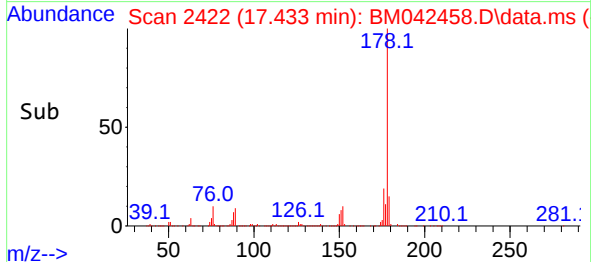
Instrument :
BNA_M
ClientSampleId :
350



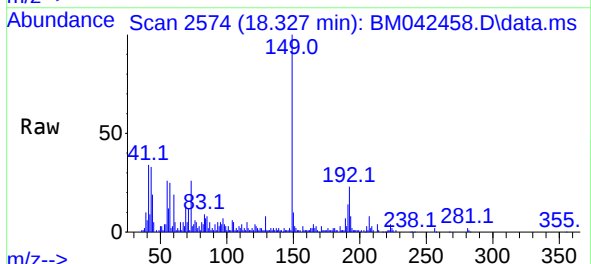
Tgt Ion:178 Resp: 552440
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.4 12.3 18.5

Manual Integrations
APPROVED

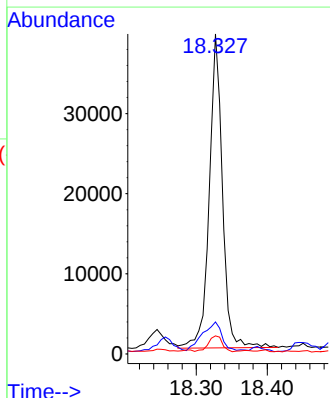
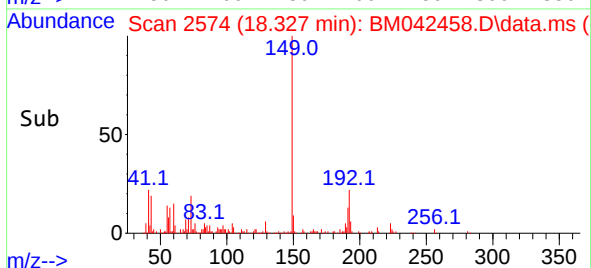
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

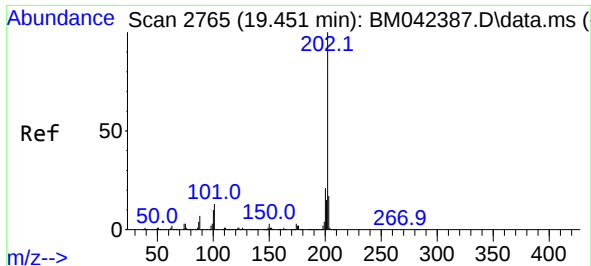


#74
Di-n-butylphthalate
Concen: 3.474 ng
RT: 18.327 min Scan# 2574
Delta R.T. -0.012 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32



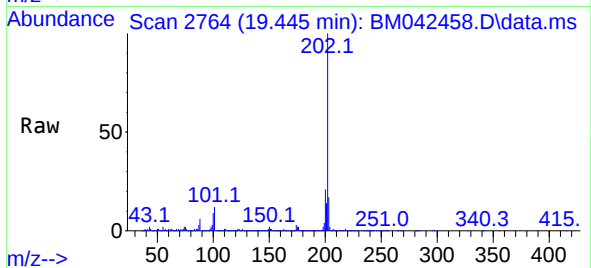
Tgt Ion:149 Resp: 50552
Ion Ratio Lower Upper
149 100
150 10.0 7.4 11.0
104 5.6 4.6 7.0





#75
Fluoranthene
Concen: 13.570 ng
RT: 19.445 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

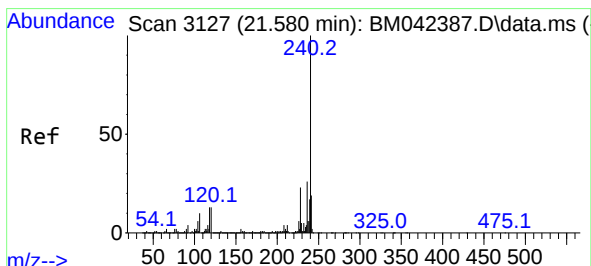
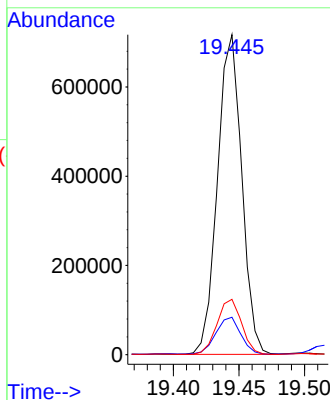
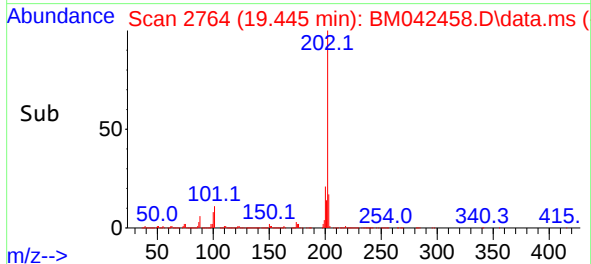
Instrument :
BNA_M
ClientSampleId :
350



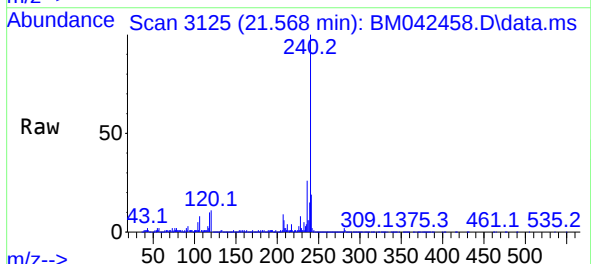
Tgt Ion:202 Resp: 92104
Ion Ratio Lower Upper
202 100
101 11.7 0.0 33.3
203 17.3 0.0 37.5

Manual Integrations
APPROVED

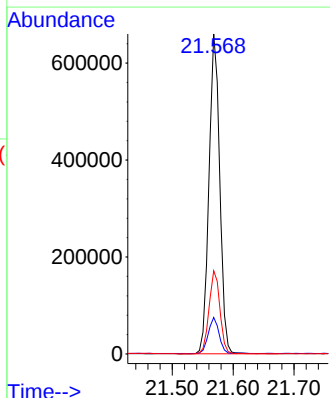
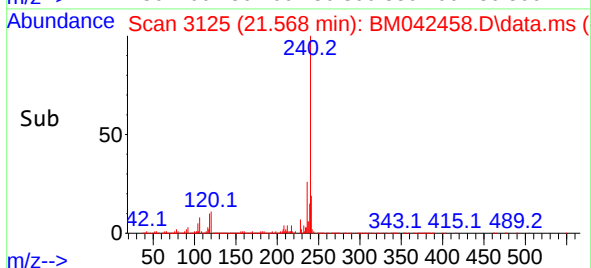
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

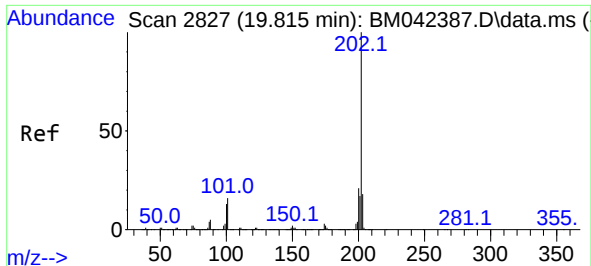


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.568 min Scan# 3125
Delta R.T. -0.012 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32



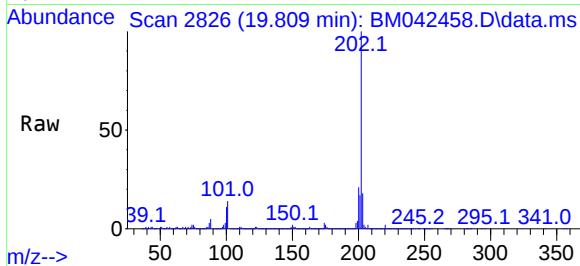
Tgt Ion:240 Resp: 810473
Ion Ratio Lower Upper
240 100
120 11.4 10.7 16.1
236 26.0 20.7 31.1





#78
Pyrene
Concen: 15.766 ng
RT: 19.809 min Scan# 2827
Delta R.T. -0.006 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

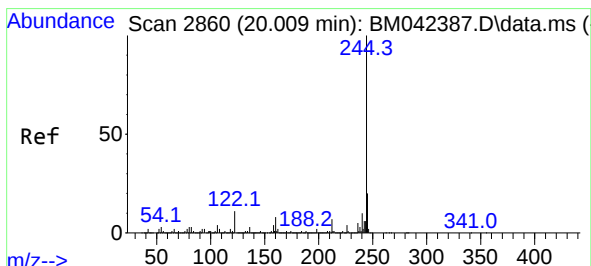
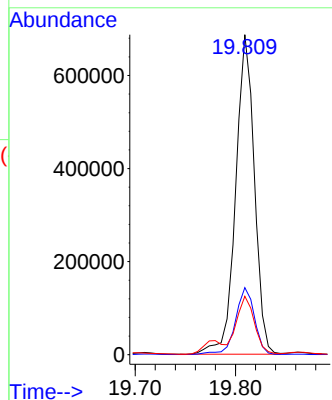
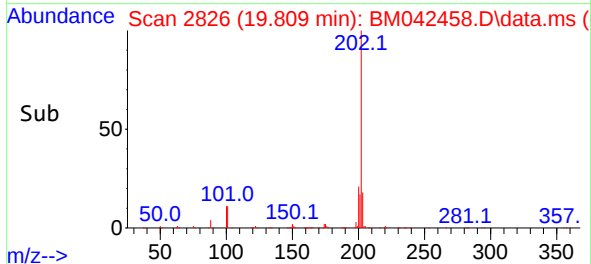
Instrument :
BNA_M
ClientSampleId :
350



Tgt Ion:202 Resp: 892895
Ion Ratio Lower Upper
202 100
200 21.0 17.1 25.7
203 18.2 14.1 21.1

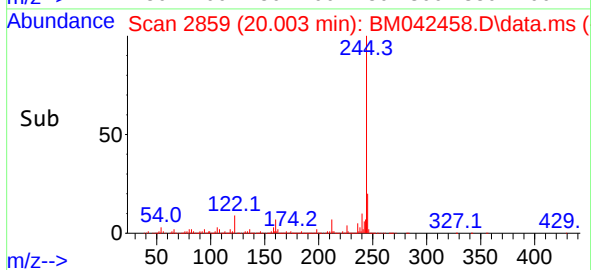
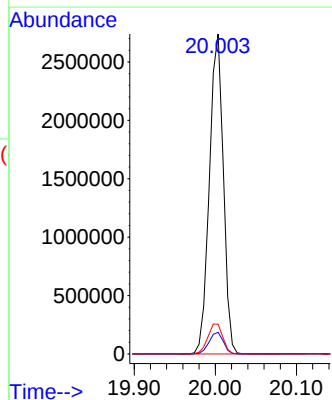
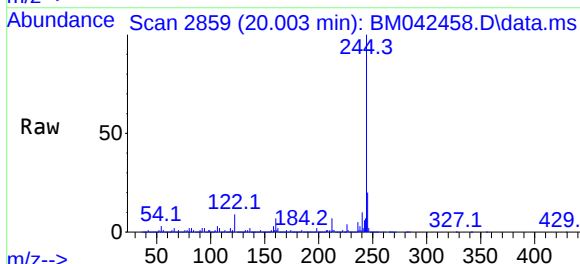
Manual Integrations
APPROVED

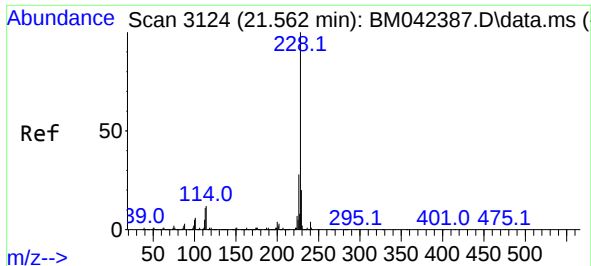
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#79
Terphenyl-d14
Concen: 71.285 ng
RT: 20.003 min Scan# 2859
Delta R.T. -0.006 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

Tgt Ion:244 Resp: 3257693
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 9.3 8.8 13.2





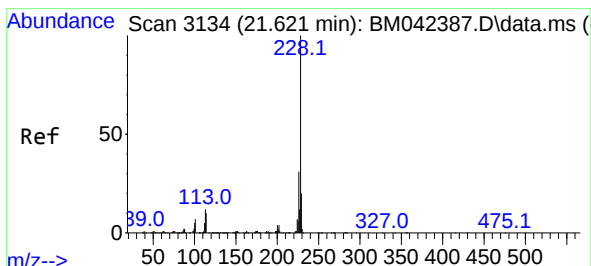
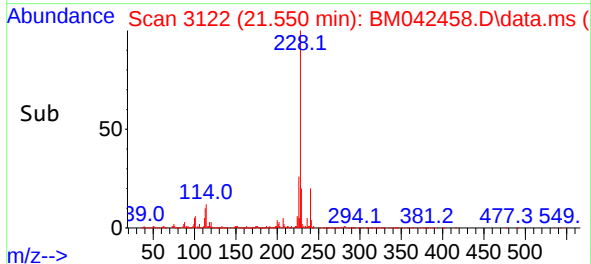
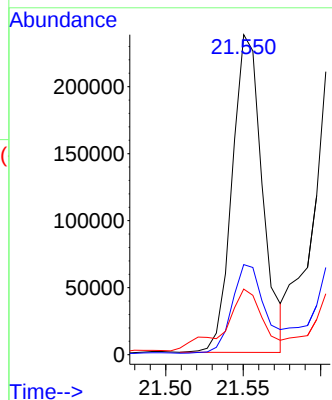
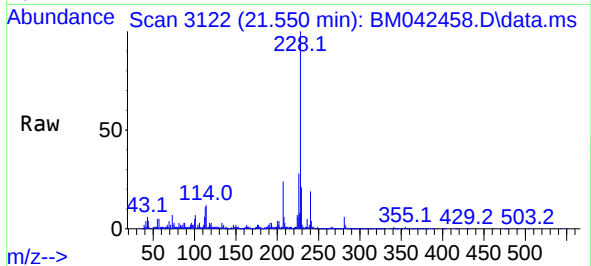
#81
Benzo(a)anthracene
Concen: 5.911 ng
RT: 21.550 min Scan# 3124
Delta R.T. -0.012 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

Instrument :
BNA_M
ClientSampleId :
350

Tgt Ion:228 Resp: 32114
Ion Ratio Lower Upper
228 100
226 28.1 22.2 33.4
229 20.5 15.7 23.5

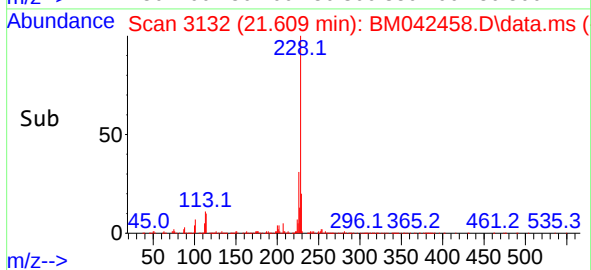
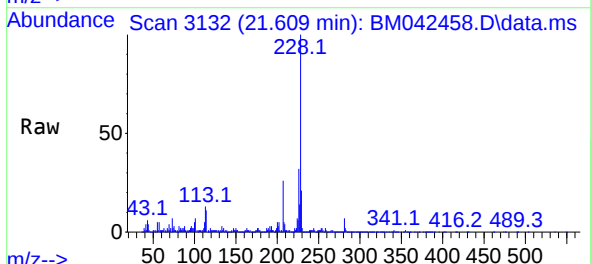
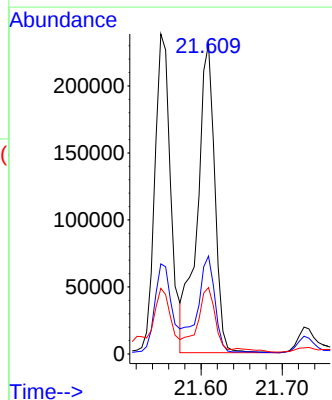
Manual Integrations
APPROVED

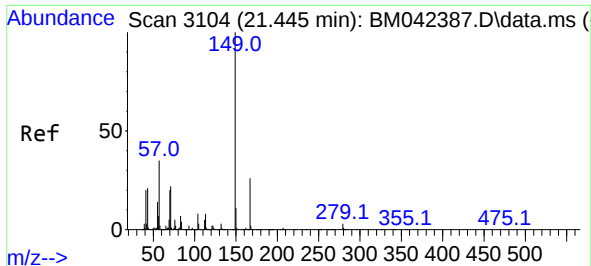
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#83
Chrysene
Concen: 6.628 ng
RT: 21.609 min Scan# 3132
Delta R.T. -0.012 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

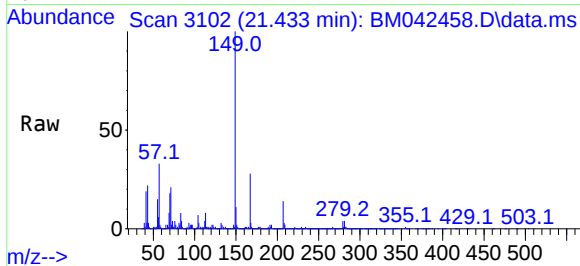
Tgt Ion:228 Resp: 345852
Ion Ratio Lower Upper
228 100
226 31.6 24.6 36.8
229 21.4 15.7 23.5





#84
Bis(2-ethylhexyl)phthalate
Concen: 13.640 ng
RT: 21.433 min Scan# 3104
Delta R.T. -0.012 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

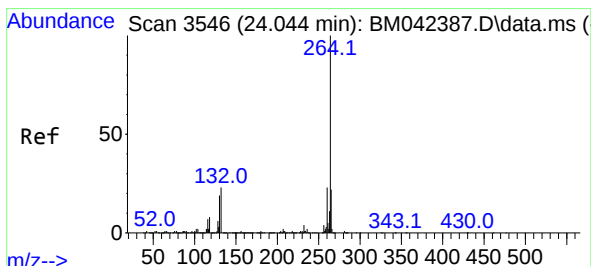
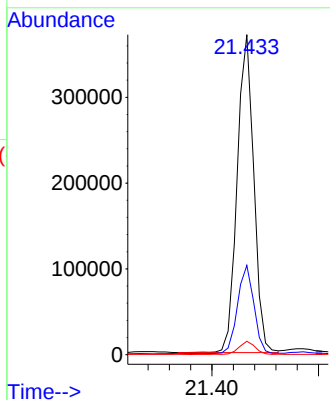
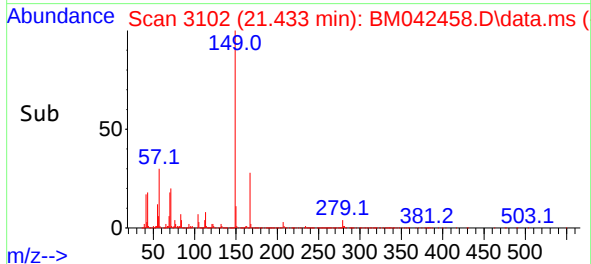
Instrument :
BNA_M
ClientSampleId :
350



Tgt Ion:149 Resp: 403158
Ion Ratio Lower Upper
149 100
167 27.9 20.9 31.3
279 4.2 2.7 4.1

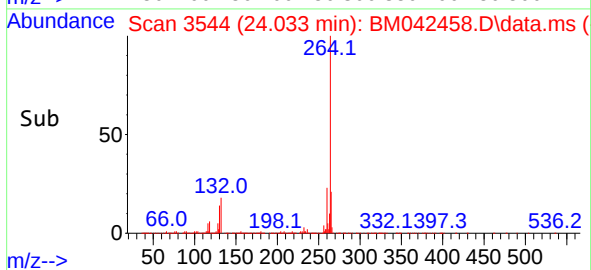
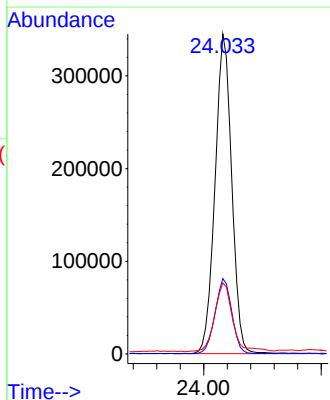
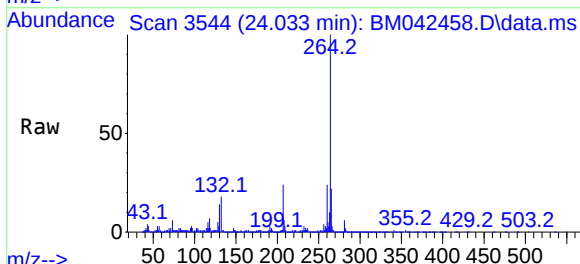
Manual Integrations
APPROVED

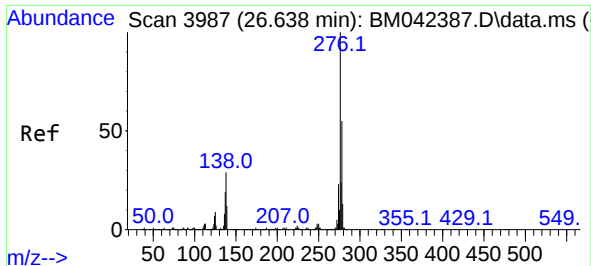
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.033 min Scan# 3544
Delta R.T. -0.012 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

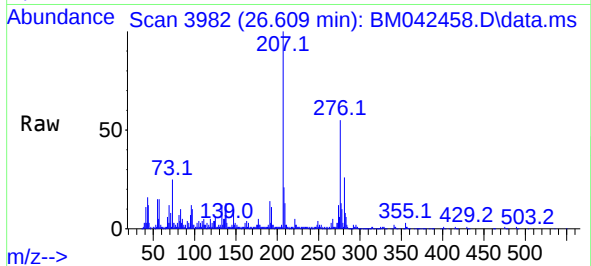
Tgt Ion:264 Resp: 677020
Ion Ratio Lower Upper
264 100
260 23.6 18.6 27.8
265 22.2 17.8 26.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.687 ng
RT: 26.609 min Scan# 3987
Delta R.T. -0.030 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

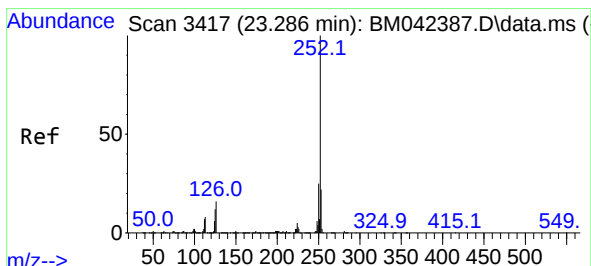
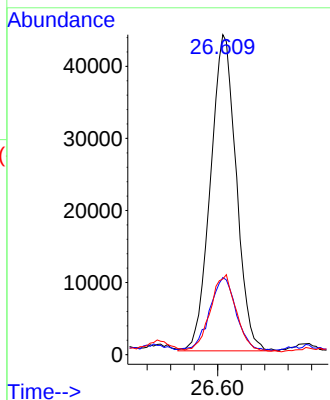
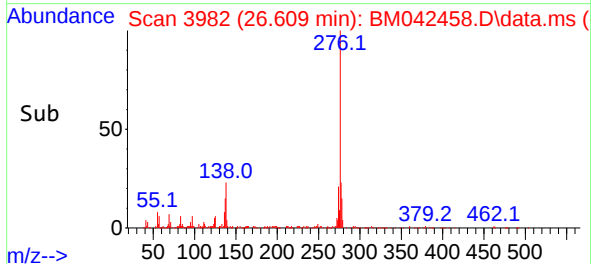
Instrument :
BNA_M
ClientSampleId :
350



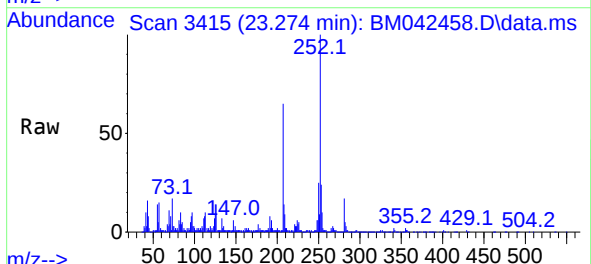
Tgt Ion:276 Resp: 13292
Ion Ratio Lower Upper
276 100
138 24.0 25.6 38.4
277 24.1 20.0 30.0

Manual Integrations
APPROVED

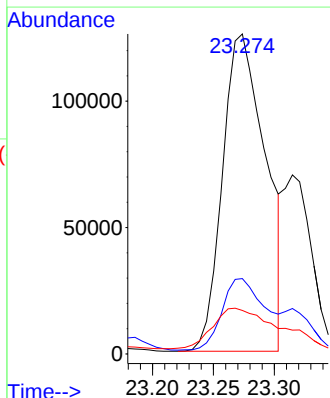
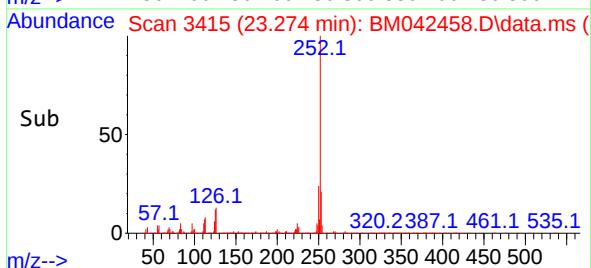
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

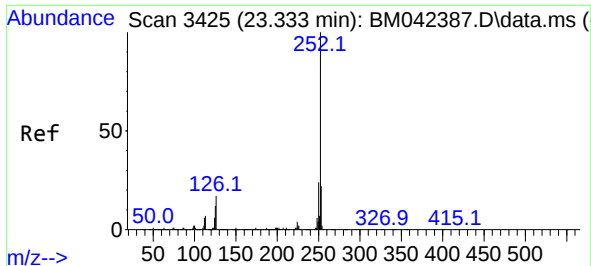


#88
Benzo(b)fluoranthene
Concen: 7.585 ng
RT: 23.274 min Scan# 3415
Delta R.T. -0.012 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32



Tgt Ion:252 Resp: 309115
Ion Ratio Lower Upper
252 100
253 23.6 18.0 27.0
125 13.6 9.8 14.8





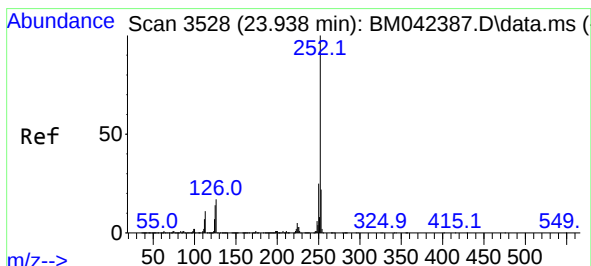
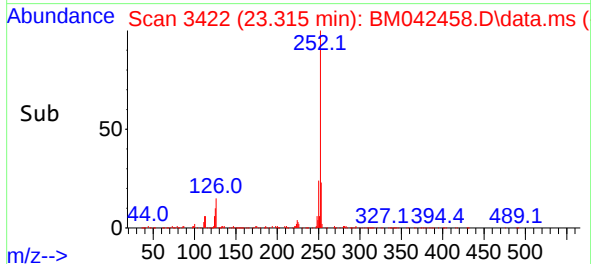
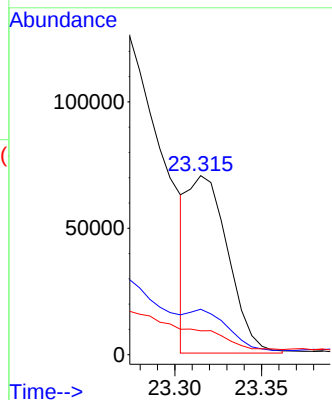
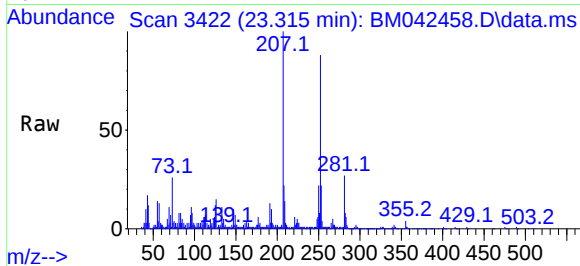
#89
Benzo(k)fluoranthene
Concen: 2.655 ng m
RT: 23.315 min Scan# 34
Delta R.T. -0.018 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

Instrument :
BNA_M
ClientSampleId :
350

Tgt Ion:252 Resp: 11231
Ion Ratio Lower Upper
252 100
253 25.4 17.9 26.9
125 13.3 10.2 15.2

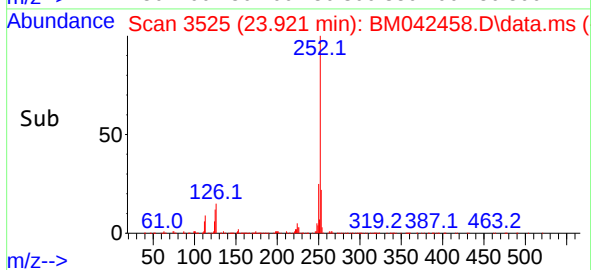
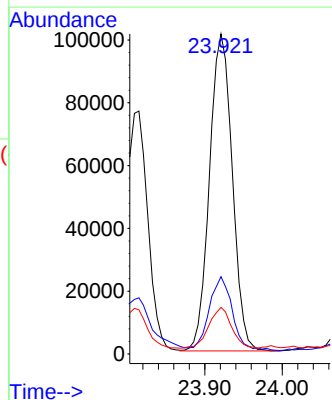
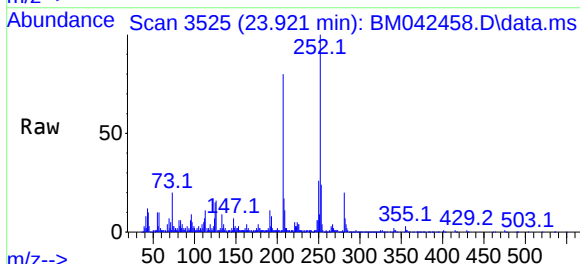
Manual Integrations
APPROVED

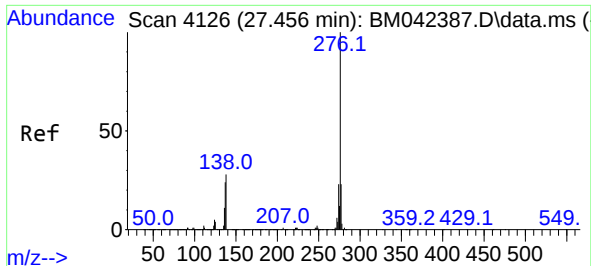
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#90
Benzo(a)pyrene
Concen: 5.274 ng
RT: 23.921 min Scan# 3525
Delta R.T. -0.018 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

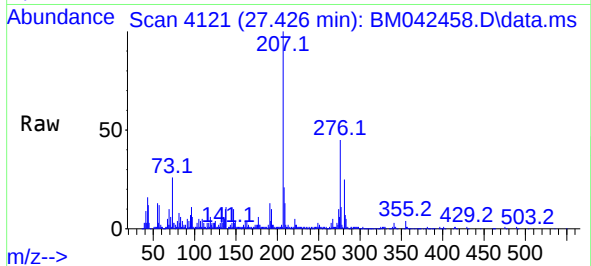
Tgt Ion:252 Resp: 206855
Ion Ratio Lower Upper
252 100
253 24.1 17.9 26.9
125 14.6 10.9 16.3





#92
Benzo(g,h,i)perylene
Concen: 3.262 ng
RT: 27.426 min Scan# 41
Delta R.T. -0.029 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

Instrument :
BNA_M
ClientSampleId :
350



Tgt Ion:276 Resp: 130324
Ion Ratio Lower Upper
276 100
277 25.3 18.3 27.5
138 25.3 22.6 34.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

