

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032724\
 Data File : BM044792.D
 Acq On : 27 Mar 2024 22:58
 Operator : MA/JU
 Sample : P1874-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 72-11933

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 03/28/2024
 Supervised By :mohammad ahmed 03/29/2024

Quant Time: Mar 28 01:03:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 02:28:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.681	152	178955	20.000	ng	-0.02
21) Naphthalene-d8	10.457	136	642973	20.000	ng	-0.03
39) Acenaphthene-d10	14.328	164	314304	20.000	ng	-0.02
64) Phenanthrene-d10	17.086	188	555410	20.000	ng	-0.02
76) Chrysene-d12	21.280	240	513381	20.000	ng	-0.02
86) Perylene-d12	23.527	264	639301	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	1089182	87.387	ng	-0.01
7) Phenol-d6	6.863	99	1293304	80.655	ng	-0.02
23) Nitrobenzene-d5	8.846	82	816342	61.166	ng	-0.02
42) 2,4,6-Tribromophenol	15.828	330	311604	89.886	ng	-0.02
45) 2-Fluorobiphenyl	12.945	172	1342566	58.829	ng	-0.02
79) Terphenyl-d14	19.727	244	1404219	47.849	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.127	178	140378	4.574	ng	99
75) Fluoranthene	19.151	202	258506	7.534	ng	97
78) Pyrene	19.515	202	238068	6.327	ng	99
81) Benzo(a)anthracene	21.268	228	122181	3.420	ng	96
83) Chrysene	21.321	228	140588m	4.119	ng	
84) Bis(2-ethylhexyl)phtha...	21.209	149	54670	2.140	ng	96
87) Indeno(1,2,3-cd)pyrene	25.786	276	110975	2.401	ng	94
88) Benzo(b)fluoranthene	22.856	252	216014	5.750	ng	96
90) Benzo(a)pyrene	23.427	252	145881	3.981	ng	98
92) Benzo(g,h,i)perylene	26.480	276	109264	2.849	ng	99

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

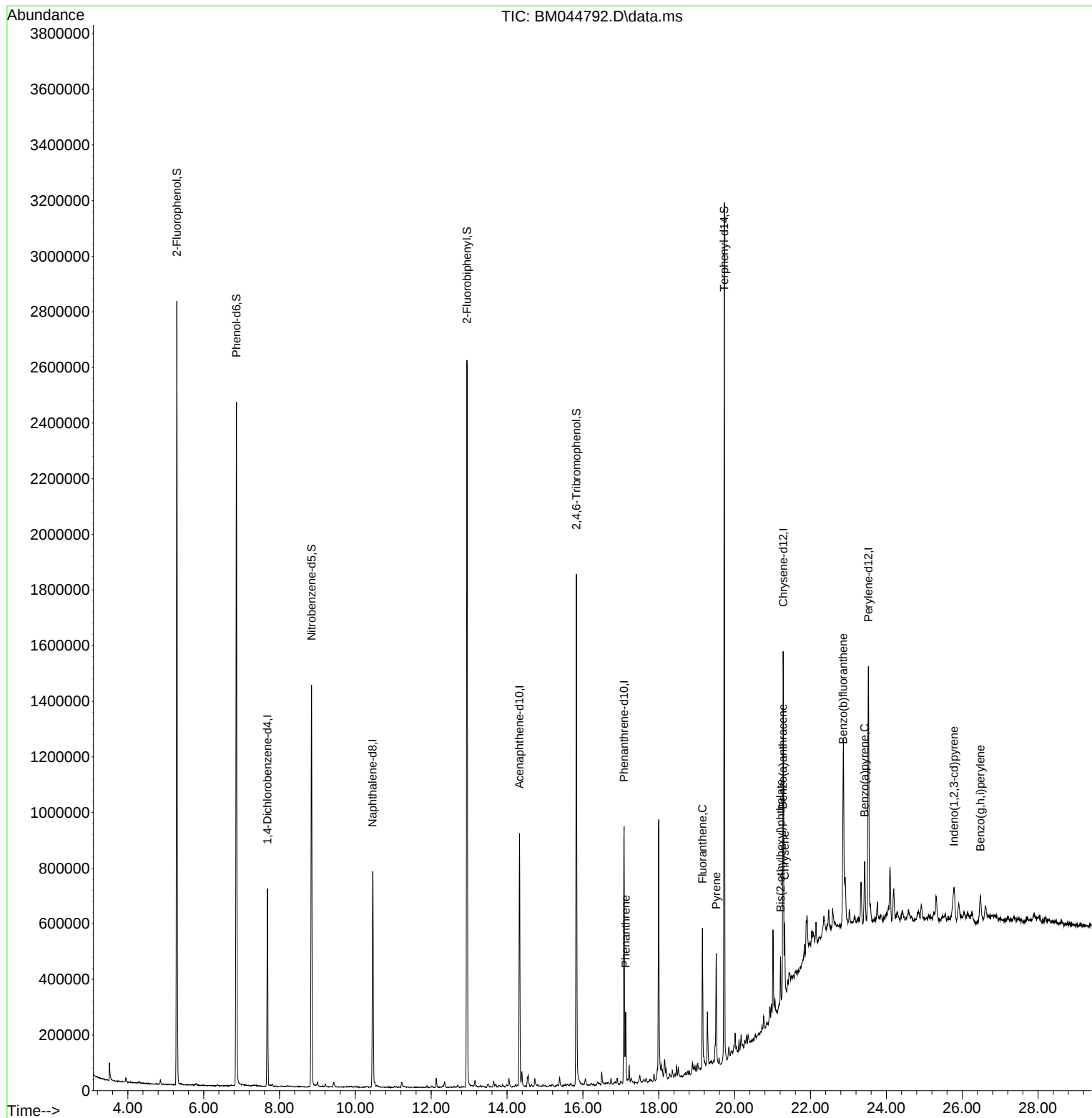
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032724\
Data File : BM044792.D
Acq On : 27 Mar 2024 22:58
Operator : MA/JU
Sample : P1874-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

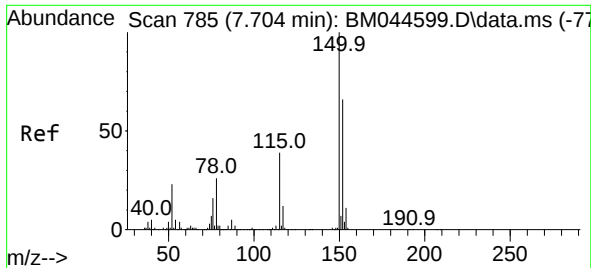
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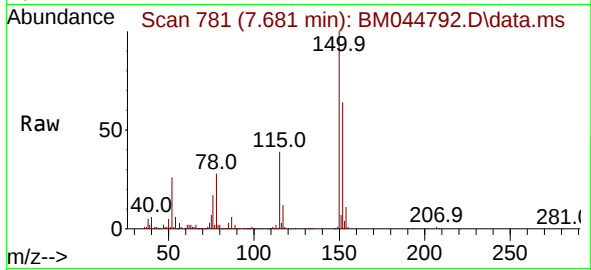
Quant Time: Mar 28 01:03:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 14 02:28:24 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.681 min Scan# 71
Delta R.T. -0.023 min
Lab File: BM044792.D
Acq: 27 Mar 2024 22:58

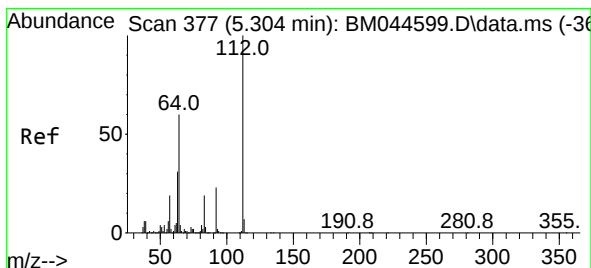
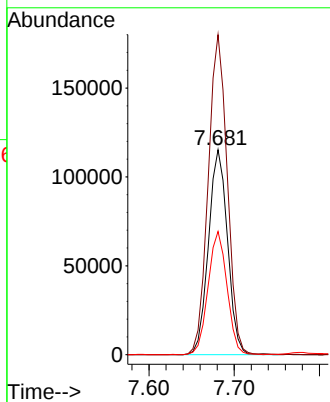
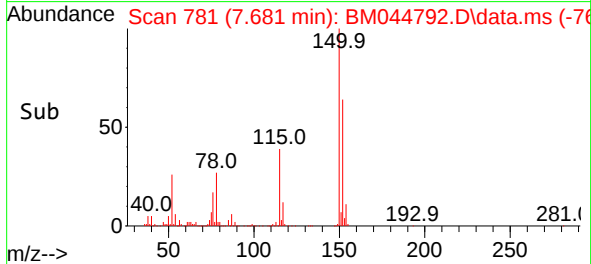
Instrument :
BNA_M
ClientSampleId :
72-11933



Tgt Ion:152 Resp: 17895
Ion Ratio Lower Upper
152 100
150 156.1 121.9 182.9
115 60.1 47.1 70.7

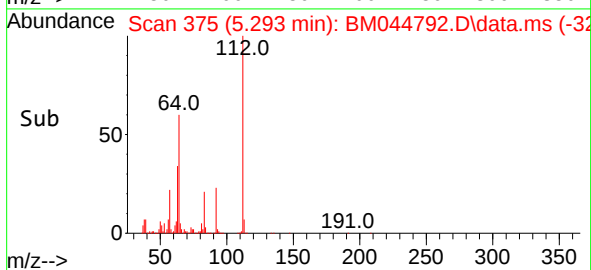
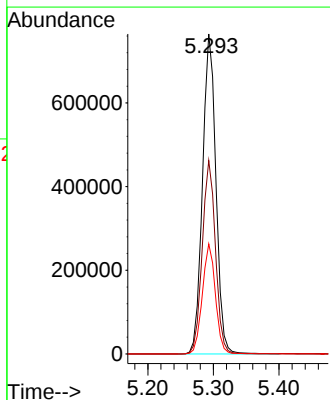
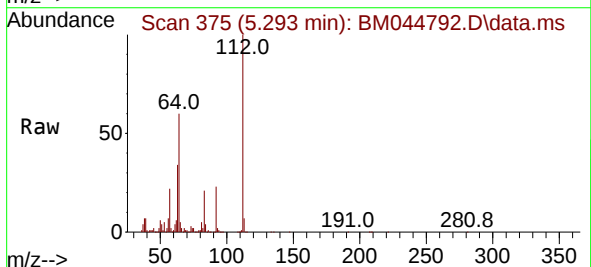
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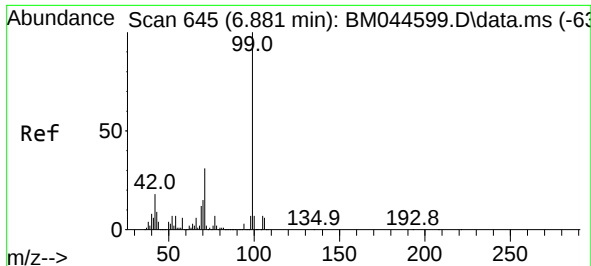
Reviewed By :Jagrut Upadhyay 03/28/2024
Supervised By :mohammad ahmed 03/29/2024



#5
2-Fluorophenol
Concen: 87.387 ng
RT: 5.293 min Scan# 375
Delta R.T. -0.011 min
Lab File: BM044792.D
Acq: 27 Mar 2024 22:58

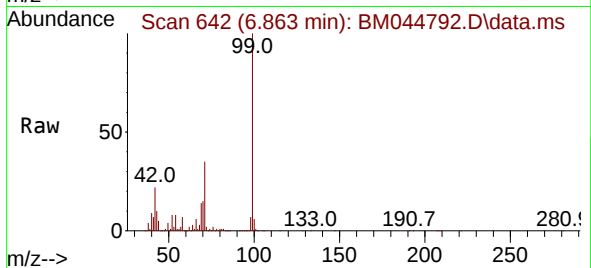
Tgt Ion:112 Resp: 1089182
Ion Ratio Lower Upper
112 100
64 60.5 47.9 71.9
63 34.4 25.0 37.4





#7
Phenol-d6
Concen: 80.655 ng
RT: 6.863 min Scan# 645
Delta R.T. -0.017 min
Lab File: BM044792.D
Acq: 27 Mar 2024 22:58

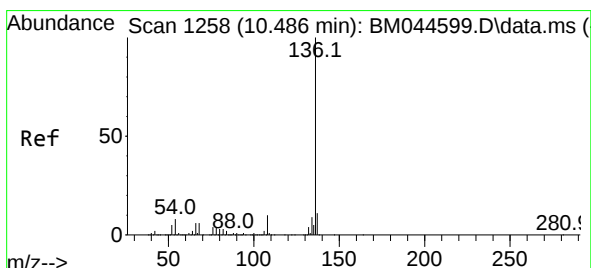
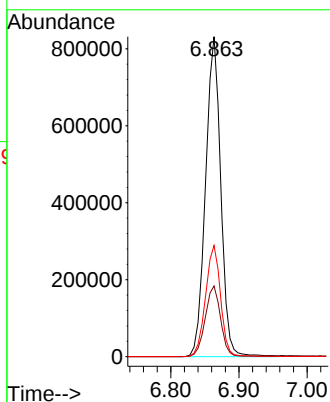
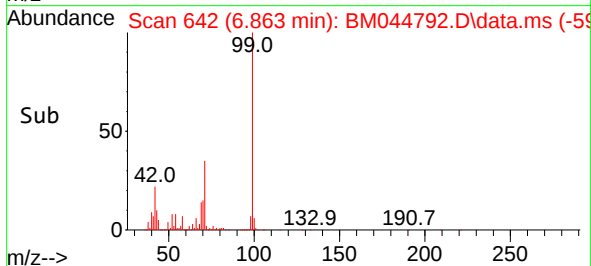
Instrument :
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ClientSampleId :
72-11933



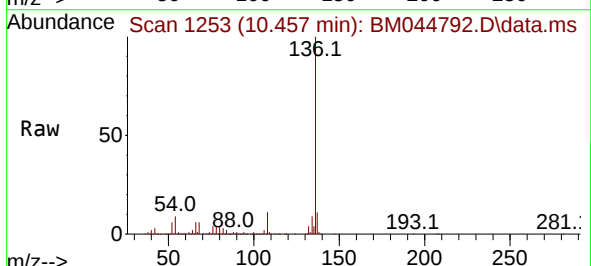
Tgt Ion: 99 Resp: 1293304
Ion Ratio Lower Upper
99 100
42 22.1 14.3 21.5
71 34.8 24.5 36.7

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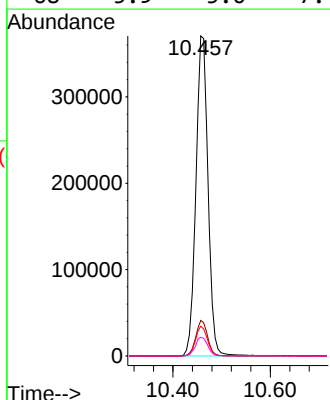
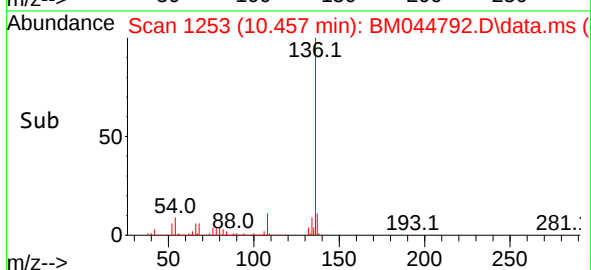
Reviewed By :Jagrut Upadhyay 03/28/2024
Supervised By :mohammad ahmed 03/29/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.457 min Scan# 1253
Delta R.T. -0.029 min
Lab File: BM044792.D
Acq: 27 Mar 2024 22:58



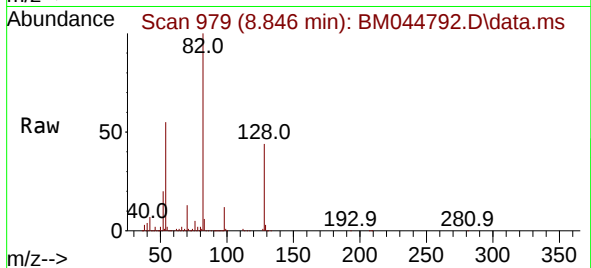
Tgt Ion:136 Resp: 642973
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 9.3 6.6 10.0
68 5.9 5.0 7.4





#23
Nitrobenzene-d5
Concen: 61.166 ng
RT: 8.846 min Scan# 911
Delta R.T. -0.017 min
Lab File: BM044792.D
Acq: 27 Mar 2024 22:58

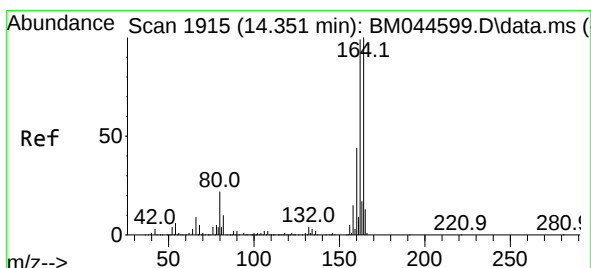
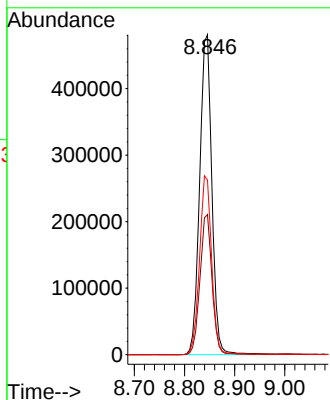
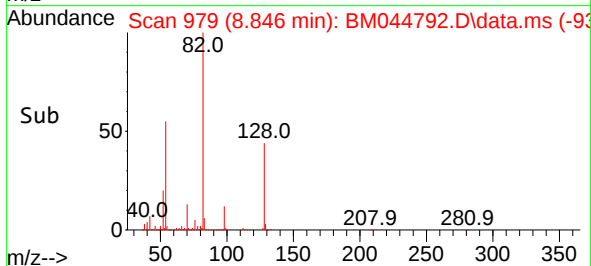
Instrument :
BNA_M
ClientSampleId :
72-11933



Tgt Ion: 82 Resp: 81634
Ion Ratio Lower Upper
82 100
128 43.8 34.2 51.4
54 54.6 41.3 61.9

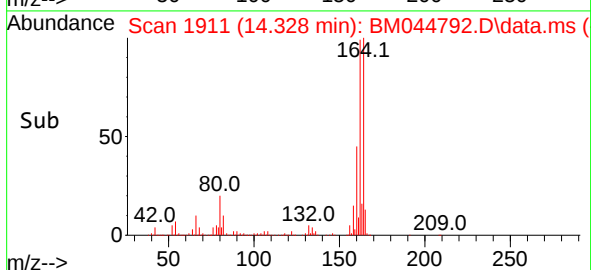
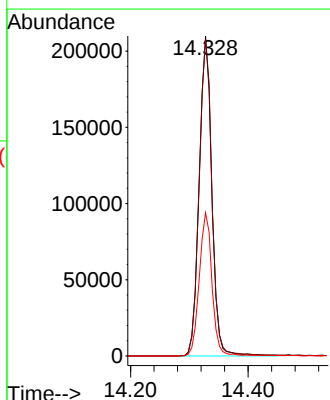
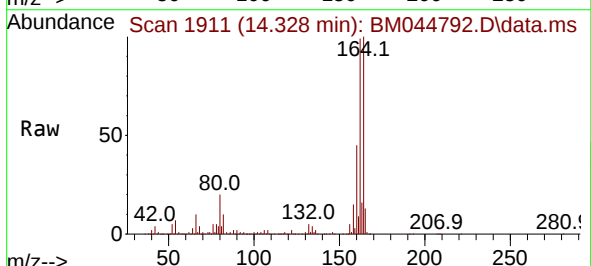
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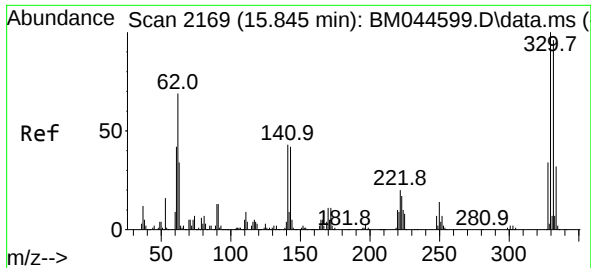
Reviewed By :Jagrut Upadhyay 03/28/2024
Supervised By :mohammad ahmed 03/29/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.328 min Scan# 1911
Delta R.T. -0.023 min
Lab File: BM044792.D
Acq: 27 Mar 2024 22:58

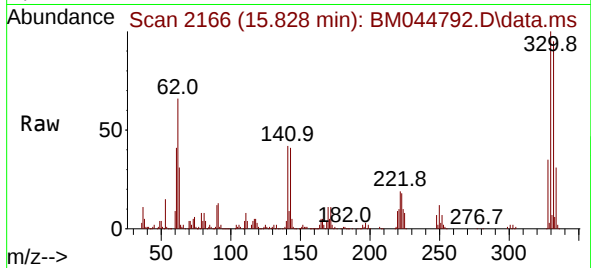
Tgt Ion:164 Resp: 314304
Ion Ratio Lower Upper
164 100
162 99.1 79.3 118.9
160 44.8 35.2 52.8





#42
2,4,6-Tribromophenol
Concen: 89.886 ng
RT: 15.828 min Scan# 2166
Delta R.T. -0.017 min
Lab File: BM044792.D
Acq: 27 Mar 2024 22:58

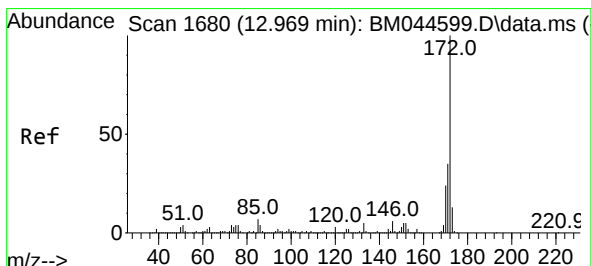
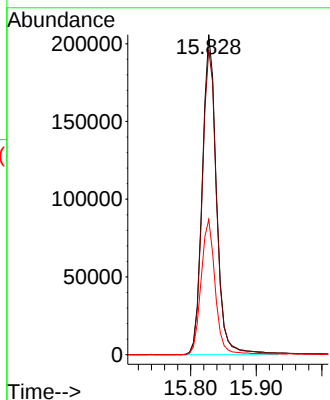
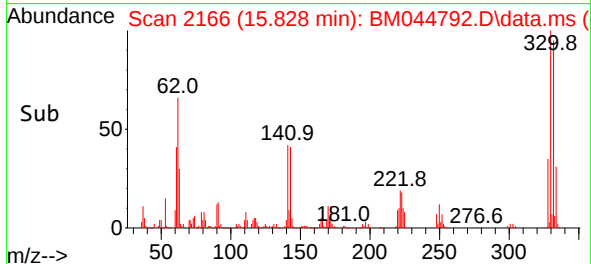
Instrument :
BNA_M
ClientSampleId :
72-11933



Tgt Ion:330 Resp: 311604
Ion Ratio Lower Upper
330 100
332 96.1 77.8 116.8
141 42.2 33.4 50.0

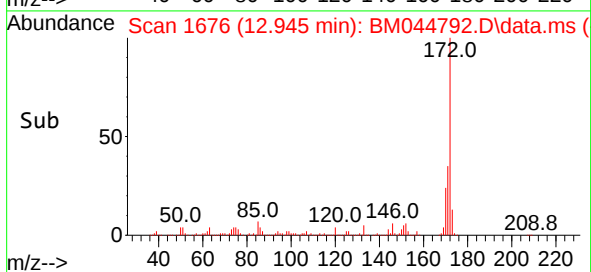
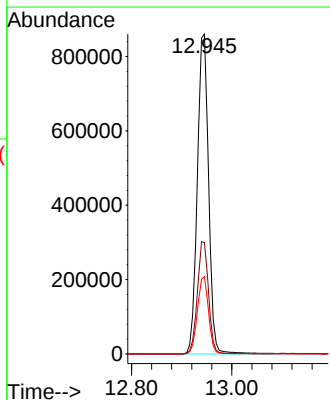
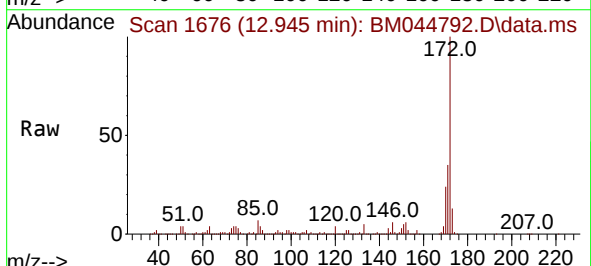
Manual Integrations
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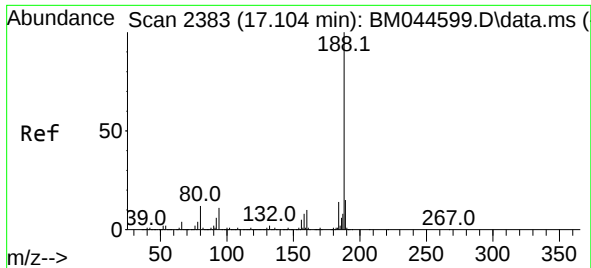
Reviewed By :Jagrut Upadhyay 03/28/2024
Supervised By :mohammad ahmed 03/29/2024



#45
2-Fluorobiphenyl
Concen: 58.829 ng
RT: 12.945 min Scan# 1676
Delta R.T. -0.023 min
Lab File: BM044792.D
Acq: 27 Mar 2024 22:58

Tgt Ion:172 Resp: 1342566
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.2
170 24.2 19.0 28.6





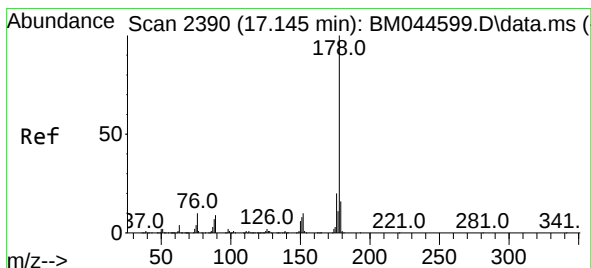
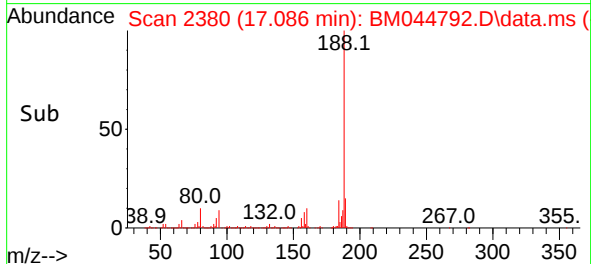
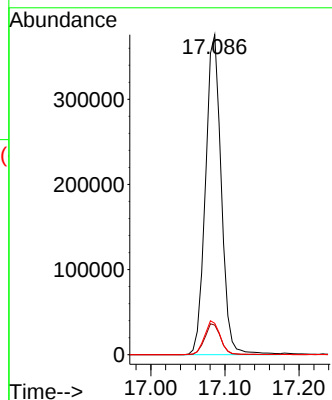
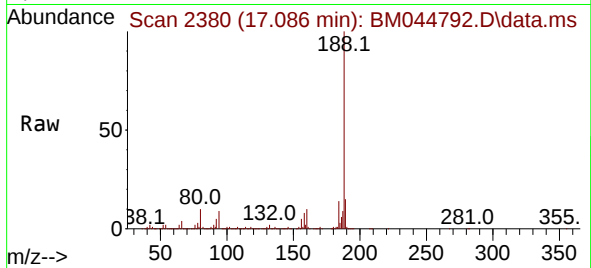
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.086 min Scan# 21
Delta R.T. -0.017 min
Lab File: BM044792.D
Acq: 27 Mar 2024 22:58

Instrument :
BNA_M
ClientSampleId :
72-11933

Tgt Ion:188 Resp: 555410
Ion Ratio Lower Upper
188 100
94 9.3 8.4 12.6
80 9.8 9.4 14.0

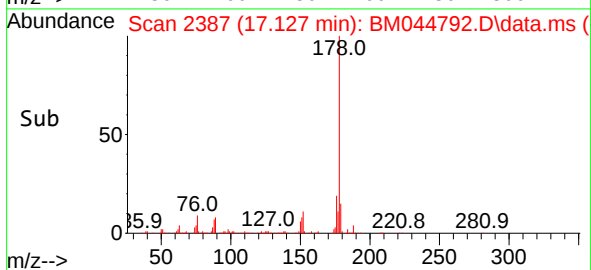
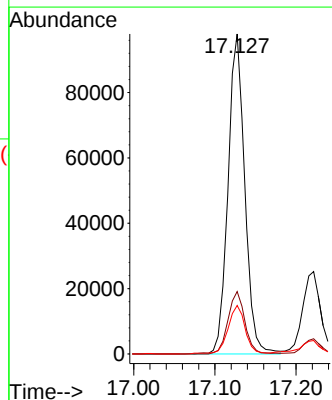
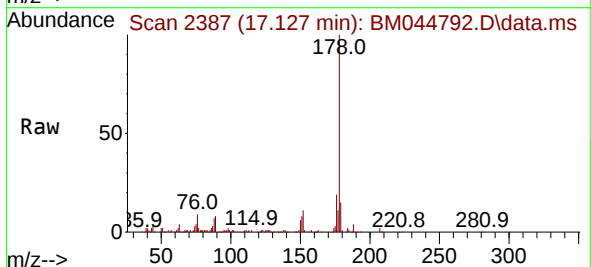
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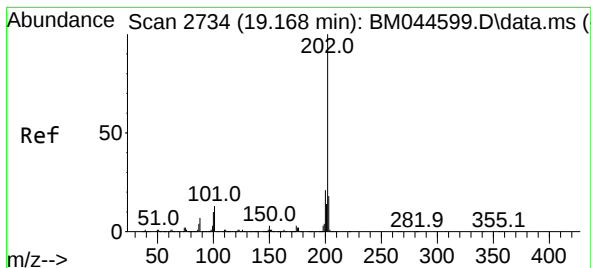
Reviewed By :Jagrut Upadhyay 03/28/2024
Supervised By :mohammad ahmed 03/29/2024



#71
Phenanthrene
Concen: 4.574 ng
RT: 17.127 min Scan# 2387
Delta R.T. -0.017 min
Lab File: BM044792.D
Acq: 27 Mar 2024 22:58

Tgt Ion:178 Resp: 140378
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.1 12.4 18.6





#75

Fluoranthene

Concen: 7.534 ng

RT: 19.151 min Scan# 21

Delta R.T. -0.017 min

Lab File: BM044792.D

Acq: 27 Mar 2024 22:58

Instrument :

BNA_M

ClientSampleId :

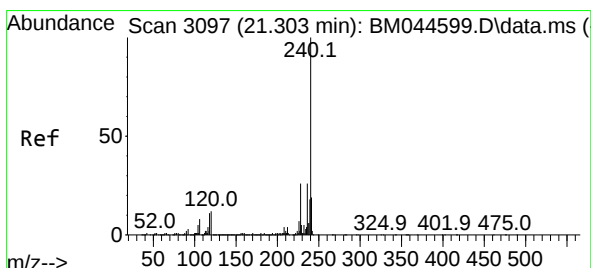
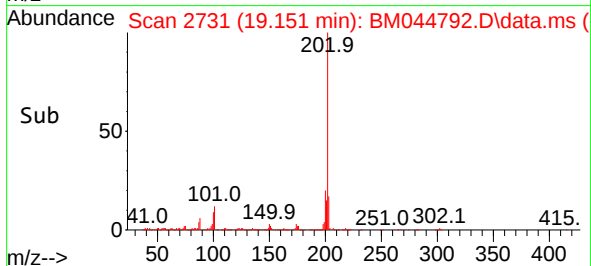
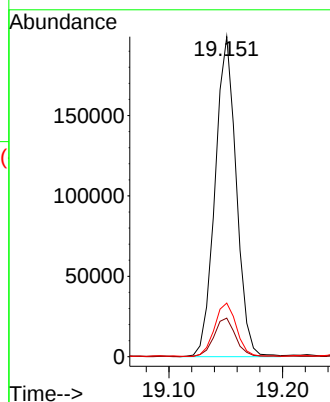
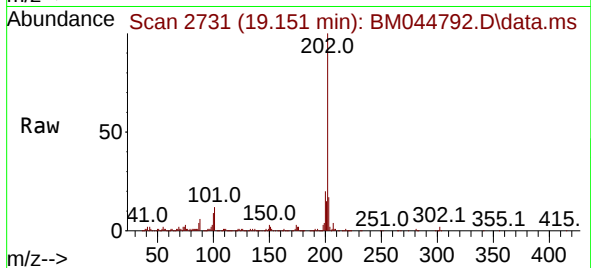
72-11933

Tgt Ion:	202	Resp:	258500
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	33.3
203	16.8	0.0	37.7

Manual Integrations

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Supervised By :mohammad ahmed 03/29/2024



#76

Chrysene-d12

Concen: 20.000 ng

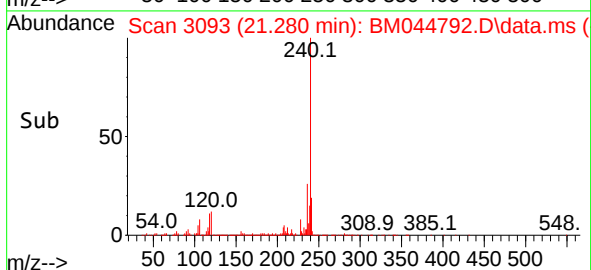
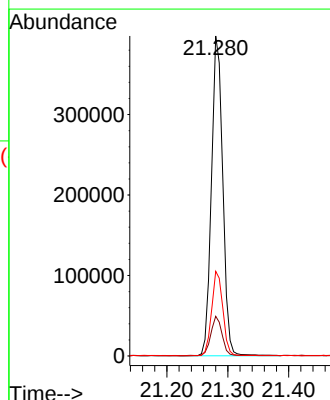
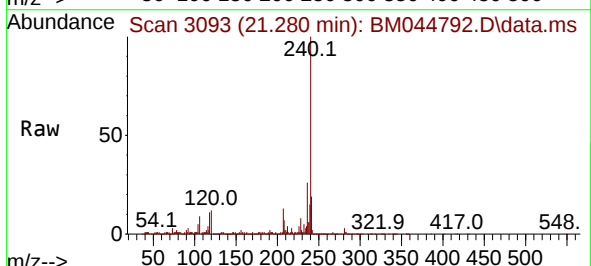
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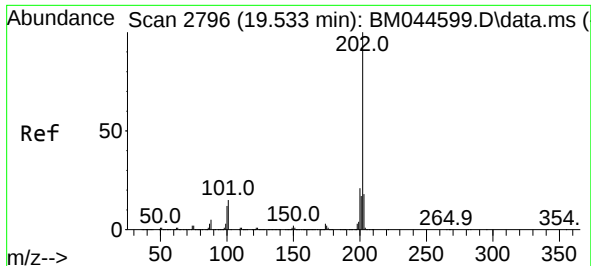
Delta R.T. -0.023 min

Lab File: BM044792.D

Acq: 27 Mar 2024 22:58

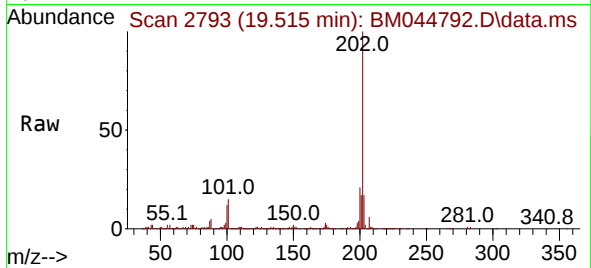
Tgt Ion:	240	Resp:	513381
Ion Ratio	Lower	Upper	
240	100		
120	12.4	9.7	14.5
236	26.4	21.0	31.4





#78
Pyrene
Concen: 6.327 ng
RT: 19.515 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM044792.D
Acq: 27 Mar 2024 22:58

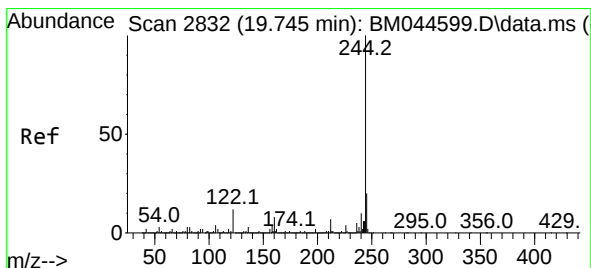
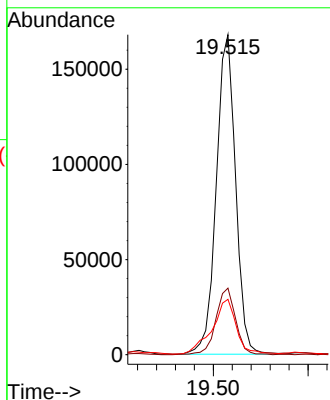
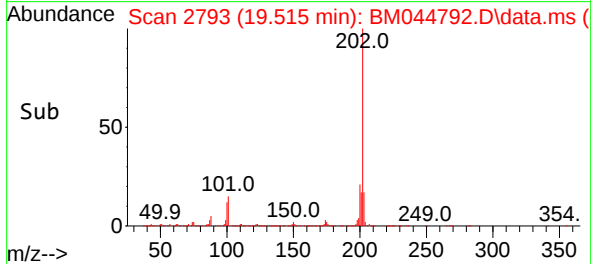
Instrument :
BNA_M
ClientSampleId :
72-11933



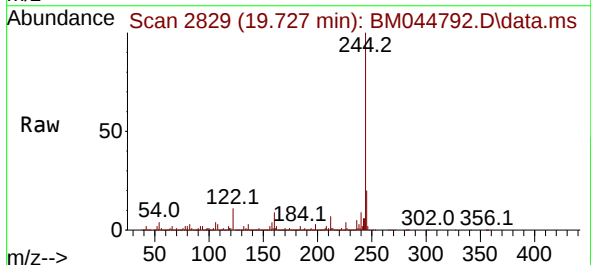
Tgt Ion:202 Resp: 238068
Ion Ratio Lower Upper
202 100
200 20.8 17.0 25.4
203 17.3 14.1 21.1

Manual Integrations
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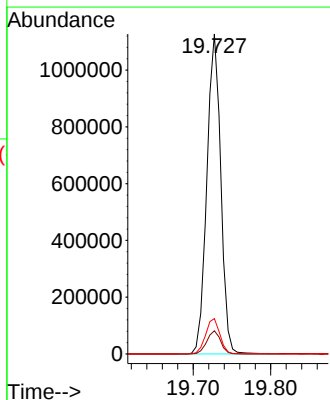
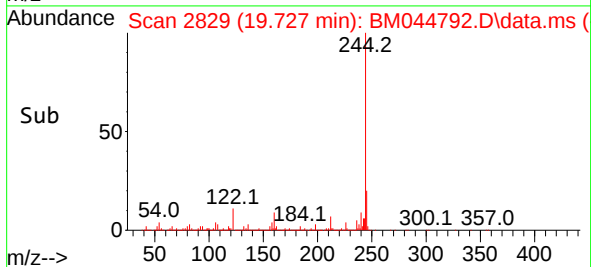
Reviewed By :Jagrut Upadhyay 03/28/2024
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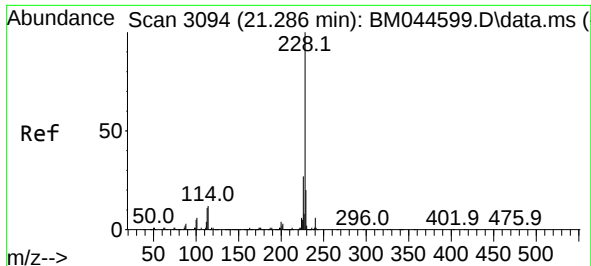


#79
Terphenyl-d14
Concen: 47.849 ng
RT: 19.727 min Scan# 2829
Delta R.T. -0.017 min
Lab File: BM044792.D
Acq: 27 Mar 2024 22:58



Tgt Ion:244 Resp: 1404219
Ion Ratio Lower Upper
244 100
212 7.3 5.5 8.3
122 11.0 9.7 14.5





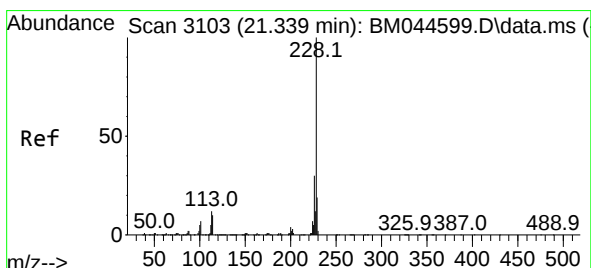
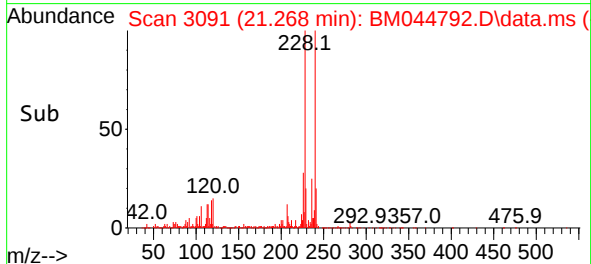
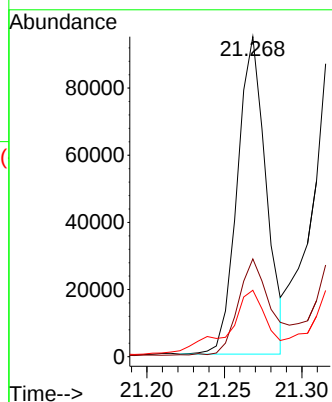
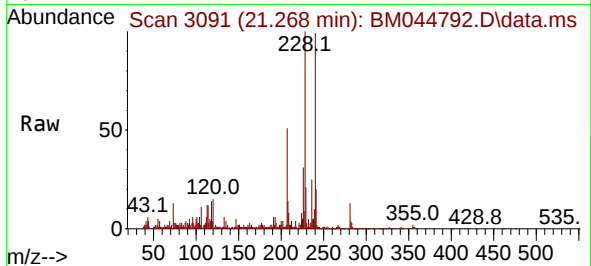
#81
Benzo(a)anthracene
Concen: 3.420 ng
RT: 21.268 min Scan# 3091
Delta R.T. -0.017 min
Lab File: BM044792.D
Acq: 27 Mar 2024 22:58

Instrument :
BNA_M
ClientSampleId :
72-11933

Tgt Ion:228 Resp: 12218
Ion Ratio Lower Upper
228 100
226 30.5 21.9 32.9
229 20.7 15.9 23.9

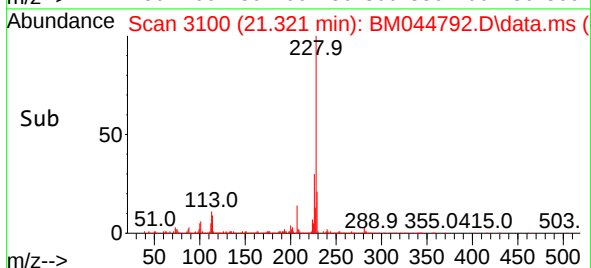
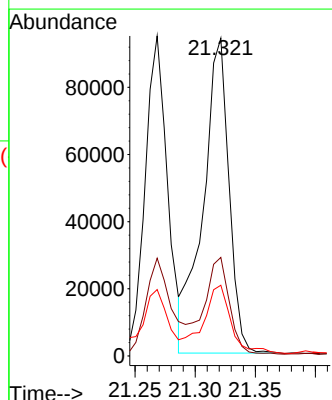
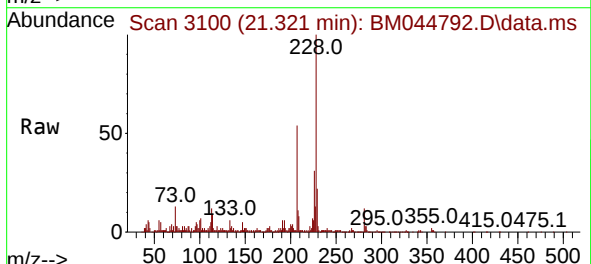
Manual Integrations
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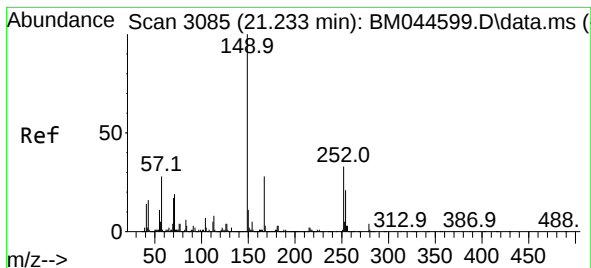
Reviewed By :Jagrut Upadhyay 03/28/2024
Supervised By :mohammad ahmed 03/29/2024



#83
Chrysene
Concen: 4.119 ng m
RT: 21.321 min Scan# 3100
Delta R.T. -0.017 min
Lab File: BM044792.D
Acq: 27 Mar 2024 22:58

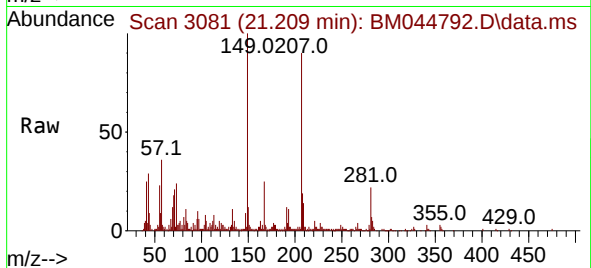
Tgt Ion:228 Resp: 140588
Ion Ratio Lower Upper
228 100
226 31.0 23.6 35.4
229 22.2 15.5 23.3





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.140 ng
RT: 21.209 min Scan# 3085
Delta R.T. -0.023 min
Lab File: BM044792.D
Acq: 27 Mar 2024 22:58

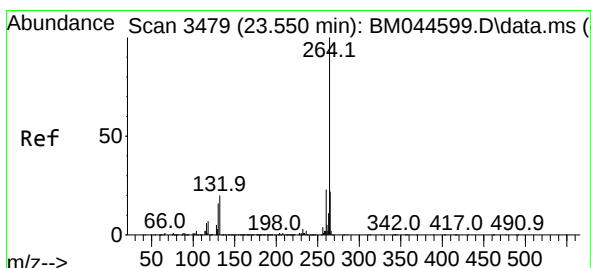
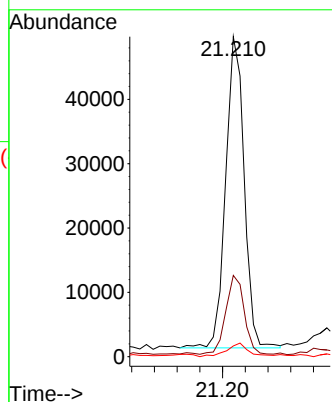
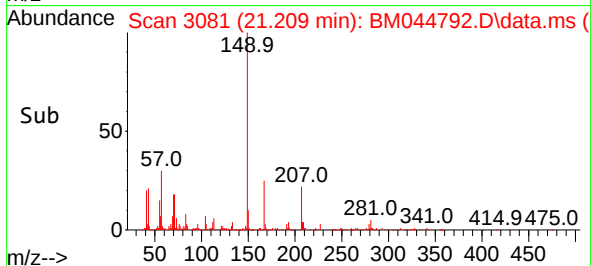
Instrument :
BNA_M
ClientSampleId :
72-11933



Tgt Ion:149 Resp: 54670
Ion Ratio Lower Upper
149 100
167 25.4 22.1 33.1
279 3.4 3.0 4.4

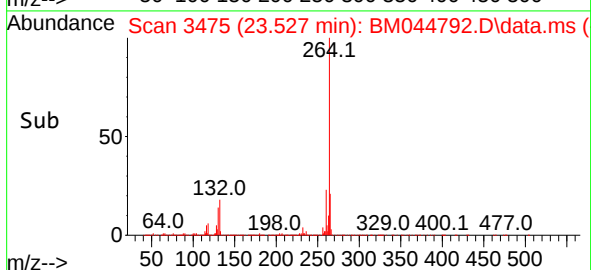
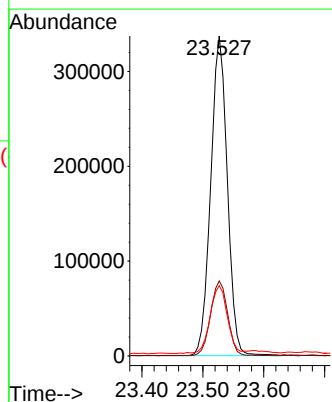
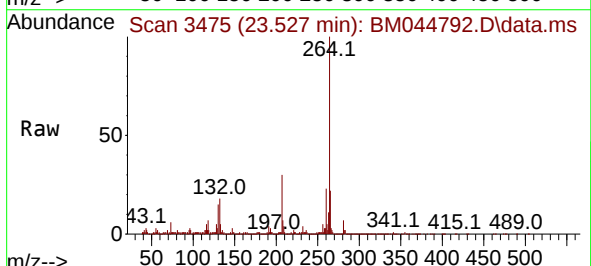
Manual Integrations
APPROVED

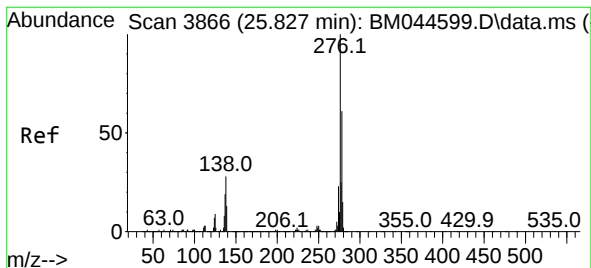
Reviewed By :Jagrut Upadhyay 03/28/2024
Supervised By :mohammad ahmed 03/29/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.527 min Scan# 3475
Delta R.T. -0.023 min
Lab File: BM044792.D
Acq: 27 Mar 2024 22:58

Tgt Ion:264 Resp: 639301
Ion Ratio Lower Upper
264 100
260 23.5 18.3 27.5
265 22.0 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.401 ng

RT: 25.786 min Scan# 3859

Delta R.T. -0.041 min

Lab File: BM044792.D

Acq: 27 Mar 2024 22:58

Instrument :

BNA_M

ClientSampleId :

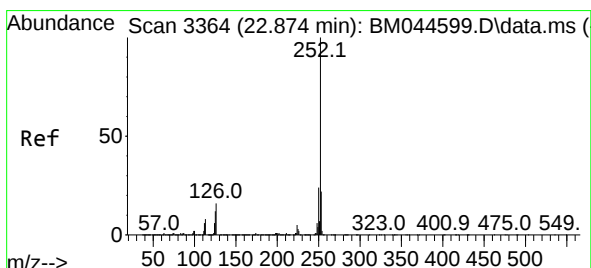
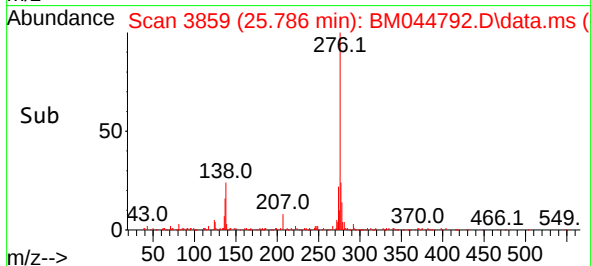
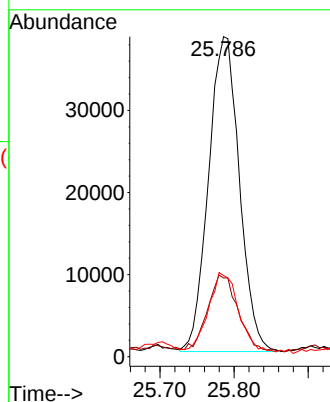
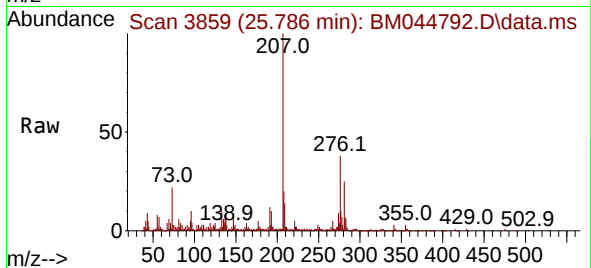
72-11933

Tgt Ion:	276	Resp:	11097
Ion Ratio	Lower	Upper	
276	100		
138	24.5	23.6	35.4
277	24.3	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/28/2024
Supervised By :mohammad ahmed 03/29/2024



#88

Benzo(b)fluoranthene

Concen: 5.750 ng

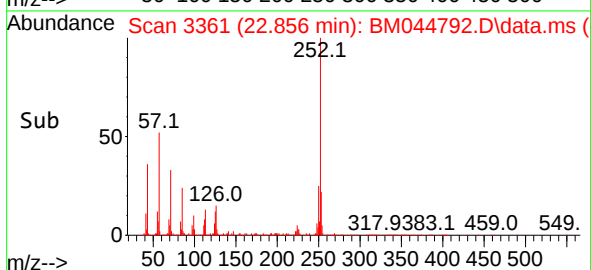
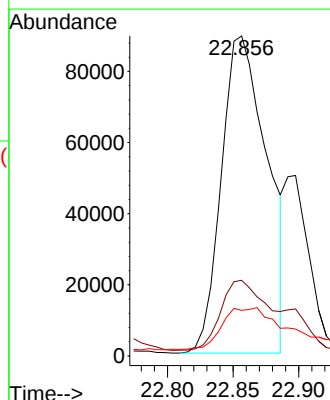
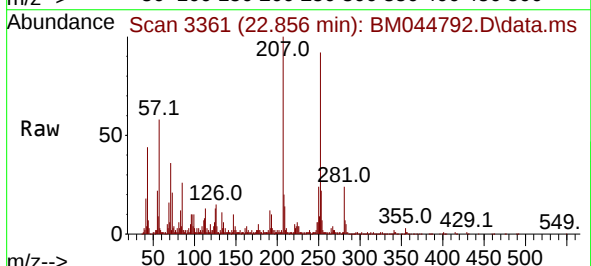
RT: 22.856 min Scan# 3361

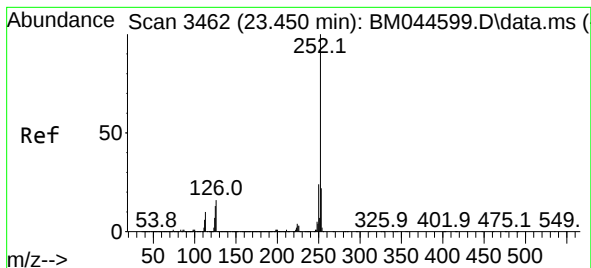
Delta R.T. -0.017 min

Lab File: BM044792.D

Acq: 27 Mar 2024 22:58

Tgt Ion:	252	Resp:	216014
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.8	26.8
125	14.3	9.6	14.4





#90

Benzo(a)pyrene

Concen: 3.981 ng

RT: 23.427 min Scan# 34

Delta R.T. -0.023 min

Lab File: BM044792.D

Acq: 27 Mar 2024 22:58

Instrument :

BNA_M

ClientSampleId :

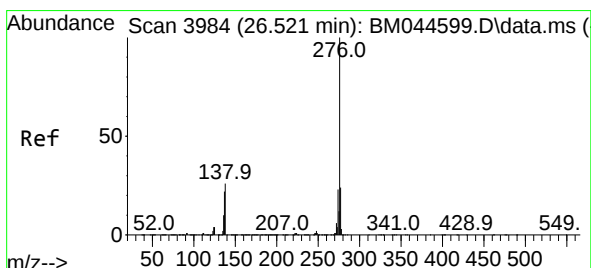
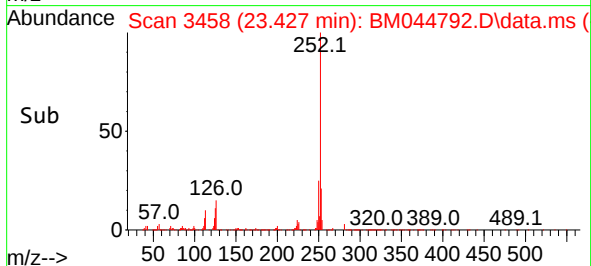
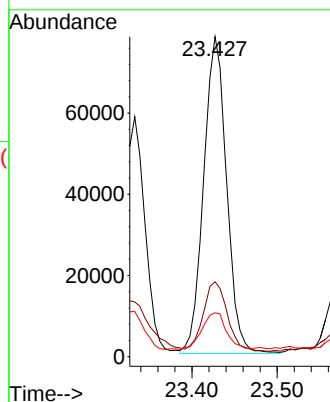
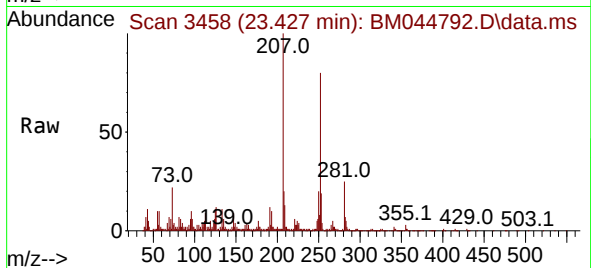
72-11933

Tgt Ion:	252	Resp:	14588
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.7	26.5
125	13.7	10.5	15.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/28/2024
Supervised By :mohammad ahmed 03/29/2024



#92

Benzo(g,h,i)perylene

Concen: 2.849 ng

RT: 26.480 min Scan# 3977

Delta R.T. -0.041 min

Lab File: BM044792.D

Acq: 27 Mar 2024 22:58

Tgt Ion:	276	Resp:	109264
Ion Ratio	Lower	Upper	
276	100		
277	24.7	19.3	28.9
138	26.0	20.7	31.1

