

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010524\
 Data File : BF136977.D
 Acq On : 05 Jan 2024 15:51
 Operator : CG\JU
 Sample : 06015-03DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-317-0-2DDL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/06/2024
 Supervised By :mohammad ahmed 01/06/2024

Quant Time: Jan 05 16:11:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	53284	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	197650	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	91895	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	157499	20.000	ng	0.00
76) Chrysene-d12	13.968	240	118732	20.000	ng	0.00
86) Perylene-d12	15.456	264	145928	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	76034	22.265	ng	0.00
7) Phenol-d6	6.428	99	88471	19.993	ng	-0.01
23) Nitrobenzene-d5	7.339	82	54938	14.223	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	21032	19.433	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	114339	16.735	ng	-0.02
79) Terphenyl-d14	12.904	244	101537	11.951	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.845	154	13036	2.347	ng	99
58) Fluorene	10.369	166	14742	2.207	ng	95
71) Phenanthrene	11.333	178	198379	24.548	ng	99
72) Anthracene	11.386	178	54981	6.718	ng	99
73) Carbazole	11.551	167	18412	2.386	ng	98
75) Fluoranthene	12.533	202	264402	30.587	ng	99
78) Pyrene	12.763	202	223574	19.182	ng	99
81) Benzo(a)anthracene	13.957	228	130223	15.795	ng	98
83) Chrysene	13.992	228	105520	13.088	ng	96
87) Indeno(1,2,3-cd)pyrene	16.968	276	66851	6.345	ng	96
88) Benzo(b)fluoranthene	15.015	252	153306m	15.729	ng	
89) Benzo(k)fluoranthene	15.045	252	40967m	4.448	ng	
90) Benzo(a)pyrene	15.392	252	108493	13.187	ng	100
91) Dibenzo(a,h)anthracene	16.974	278	17533	2.028	ng	# 82
92) Benzo(g,h,i)perylene	17.427	276	63147	7.133	ng	96

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

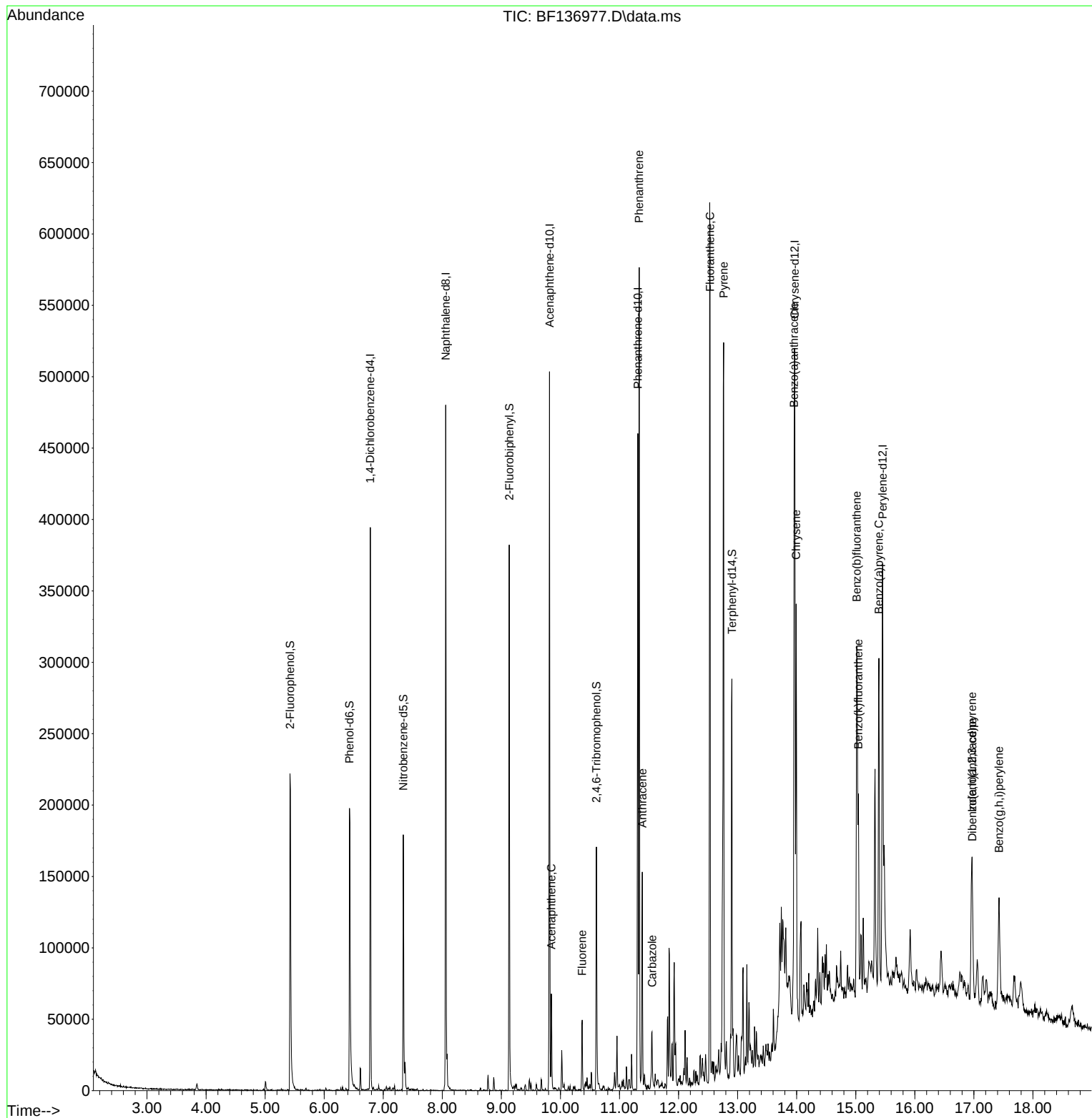
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010524\
Data File : BF136977.D
Acq On : 05 Jan 2024 15:51
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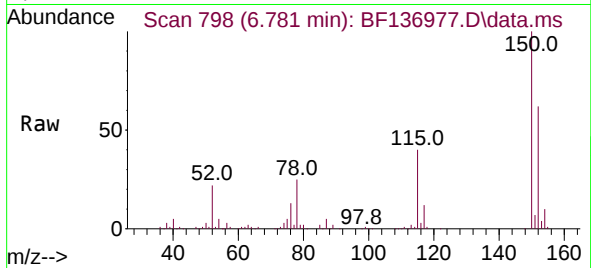
Quant Time: Jan 05 16:11:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

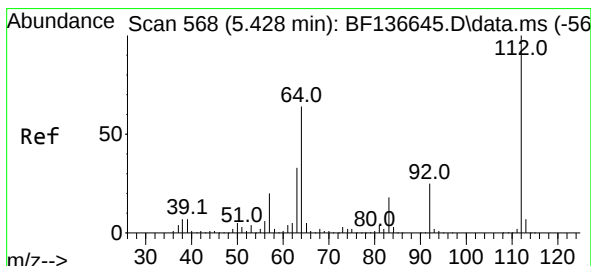
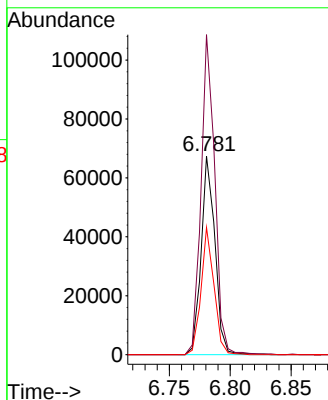
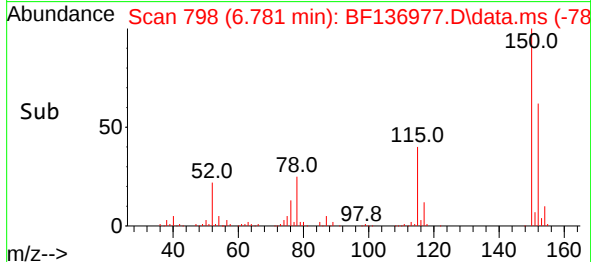
Instrument :
BNA_F
ClientSampleId :
MR-317-0-2DDL



Tgt Ion:152 Resp: 53284
Ion Ratio Lower Upper
152 100
150 161.2 127.0 190.6
115 64.1 49.0 73.4

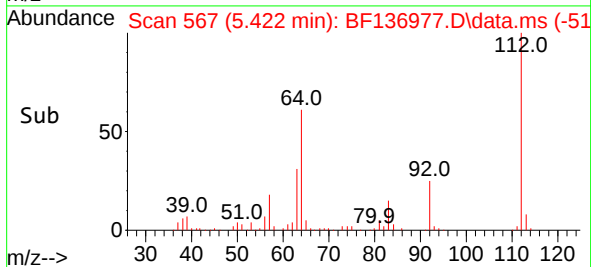
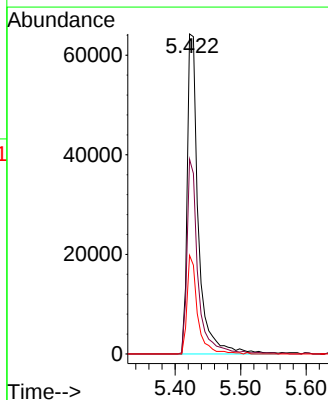
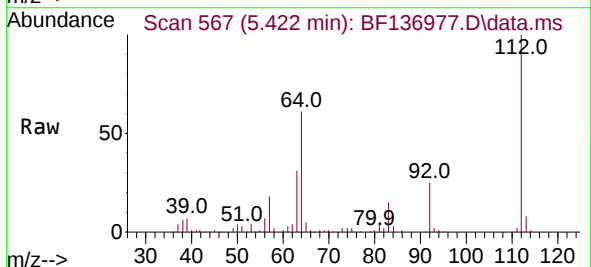
Manual Integrations
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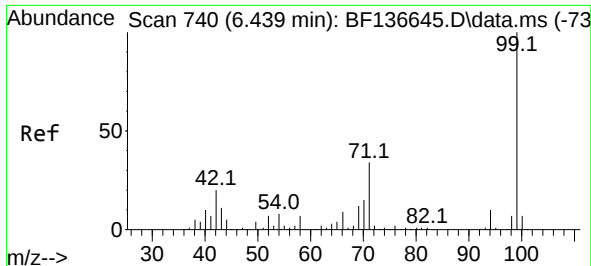
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#5
2-Fluorophenol
Concen: 22.265 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

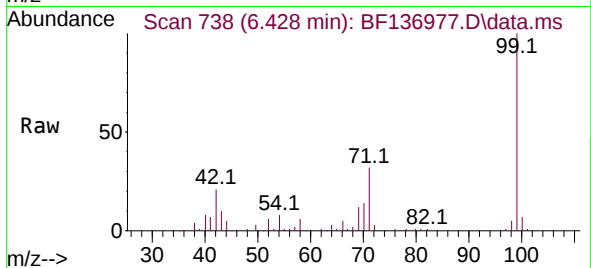
Tgt Ion:112 Resp: 76034
Ion Ratio Lower Upper
112 100
64 60.8 51.1 76.7
63 30.8 26.1 39.1





#7
Phenol-d6
Concen: 19.993 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

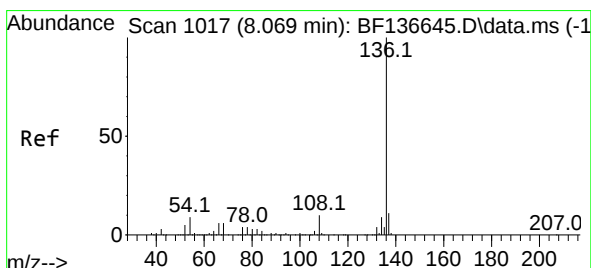
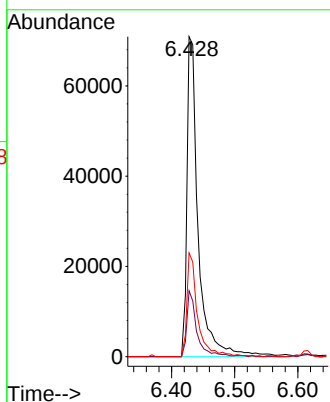
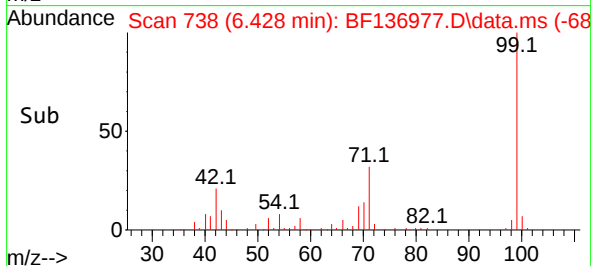
Instrument :
BNA_F
ClientSampleId :
MR-317-0-2DDL



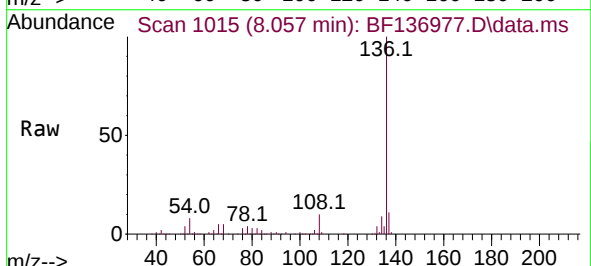
Tgt Ion: 99 Resp: 8847
Ion Ratio Lower Upper
99 100
42 20.6 16.1 24.1
71 32.5 27.4 41.2

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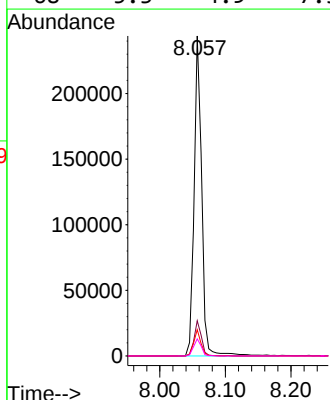
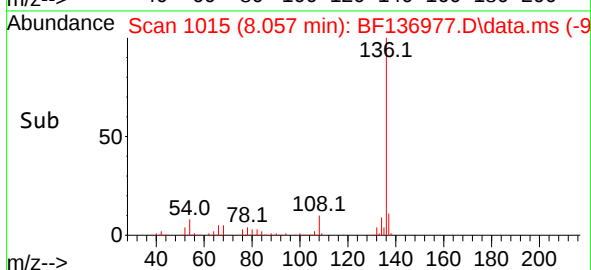
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51



Tgt Ion:136 Resp: 197650
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 8.2 7.2 10.8
68 5.3 4.9 7.3





#23
Nitrobenzene-d5
Concen: 14.223 ng
RT: 7.339 min Scan# 89
Delta R.T. -0.018 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

Instrument :

BNA_F

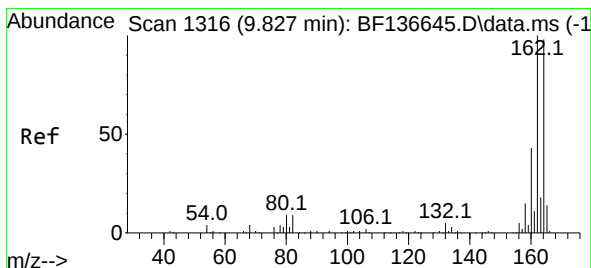
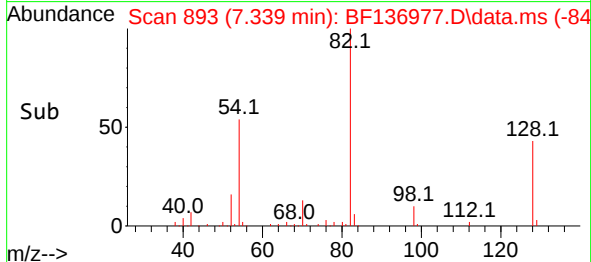
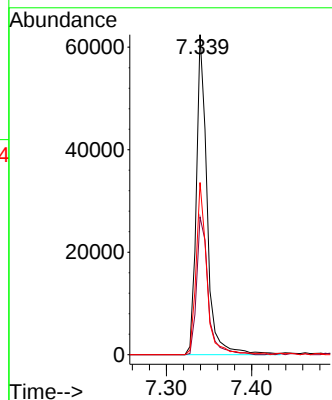
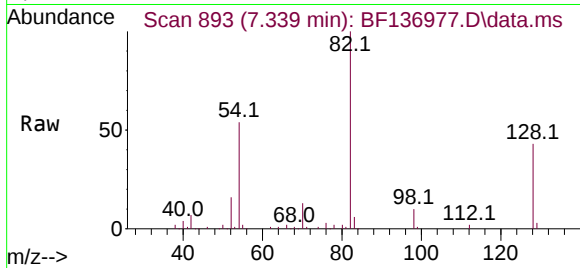
ClientSampleId :

MR-317-0-2DDL

Tgt Ion: 82 Resp: 54938
Ion Ratio Lower Upper
82 100
128 43.0 35.3 52.9
54 53.8 44.5 66.7

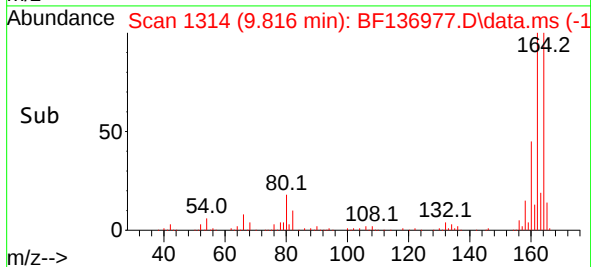
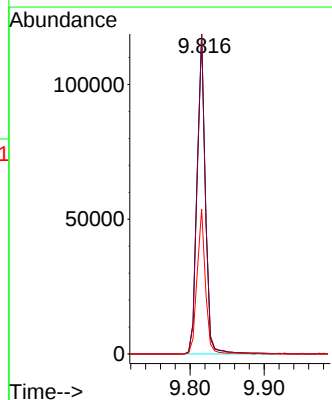
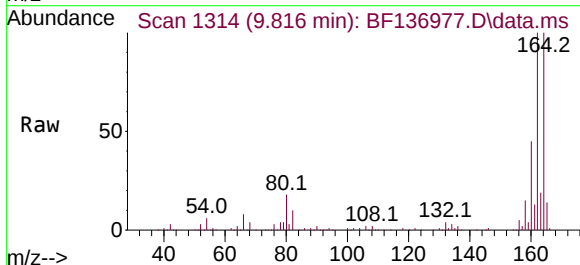
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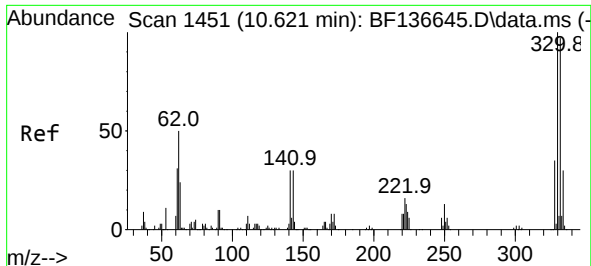
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

Tgt Ion:164 Resp: 91895
Ion Ratio Lower Upper
164 100
162 100.0 81.6 122.4
160 45.3 34.9 52.3





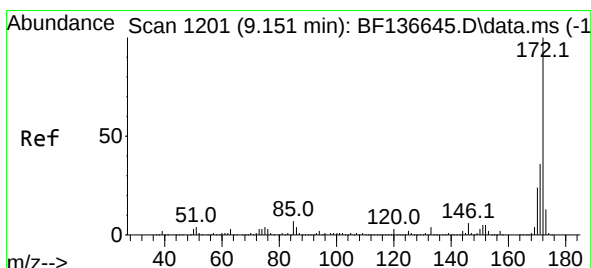
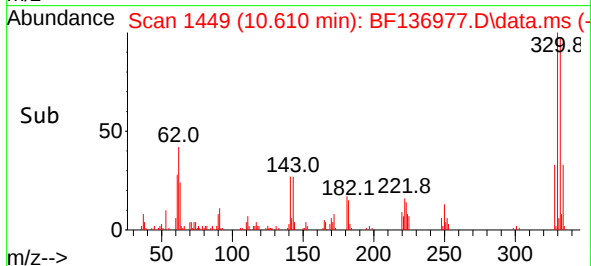
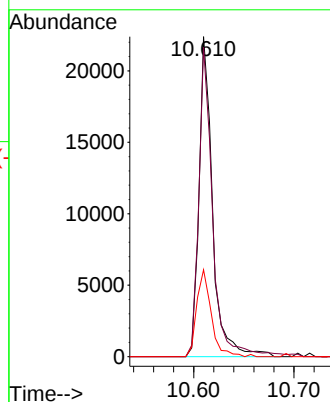
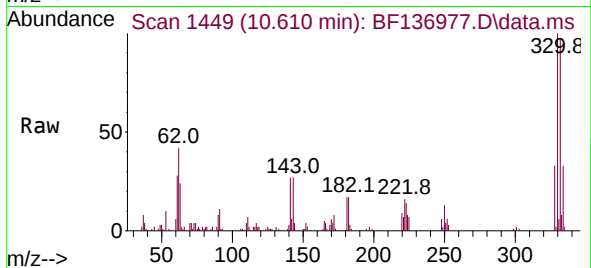
#42
2,4,6-Tribromophenol
Concen: 19.433 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

Instrument :
BNA_F
ClientSampleId :
MR-317-0-2DDL

Tgt Ion: 330 Resp: 2103
Ion Ratio Lower Upper
330 100
332 99.2 77.4 116.0
141 29.2 23.4 35.2

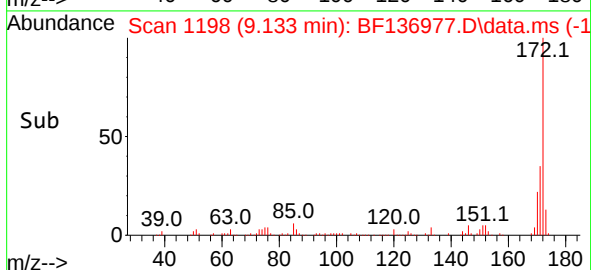
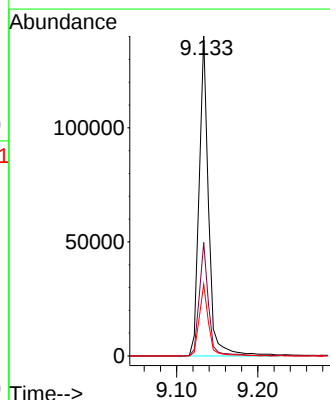
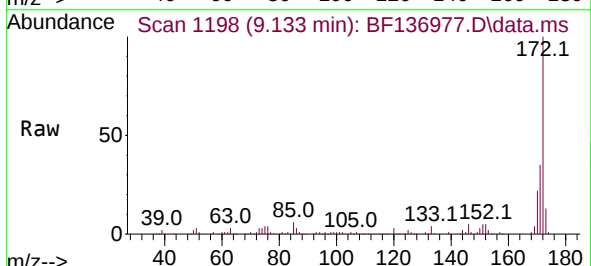
Manual Integrations
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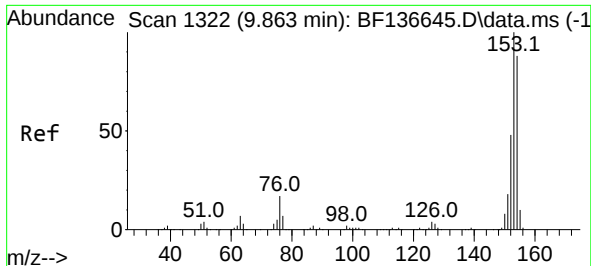
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#45
2-Fluorobiphenyl
Concen: 16.735 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

Tgt Ion: 172 Resp: 114339
Ion Ratio Lower Upper
172 100
171 35.5 29.0 43.6
170 22.4 19.0 28.4





#52
Acenaphthene
Concen: 2.347 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

Instrument :

BNA_F

ClientSampleId :

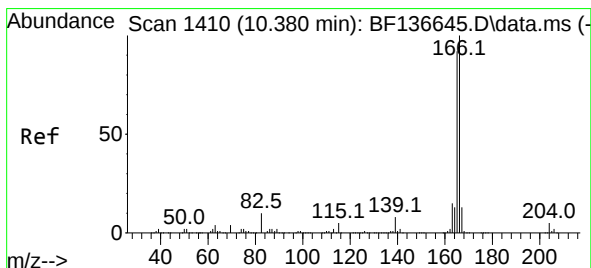
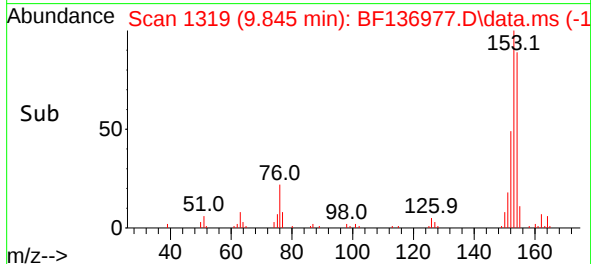
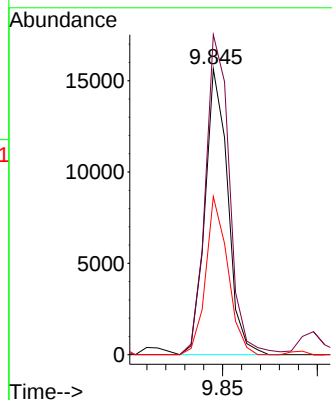
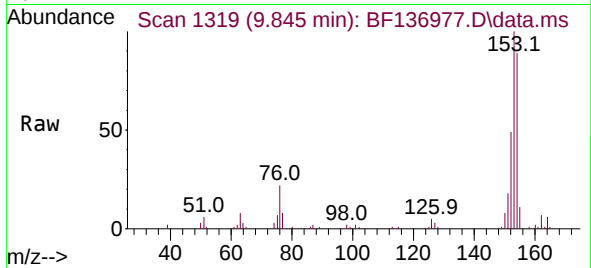
MR-317-0-2DDL

Tgt Ion:154 Resp: 1303
Ion Ratio Lower Upper
154 100
153 112.0 90.7 136.1
152 55.3 43.7 65.5

Manual Integrations

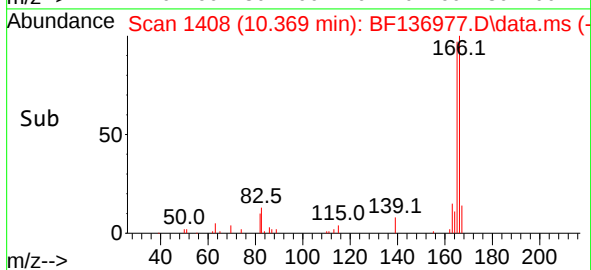
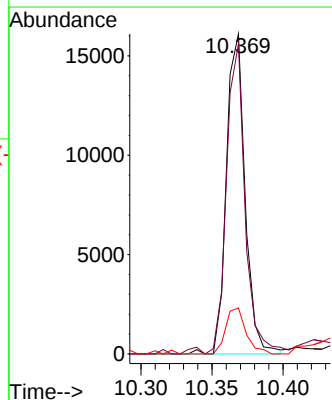
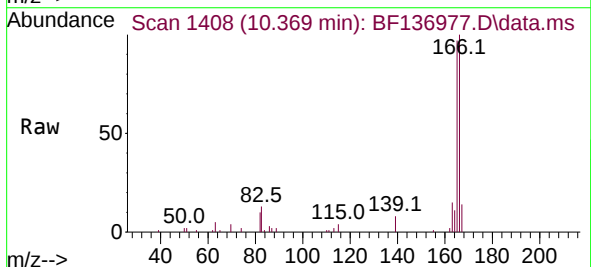
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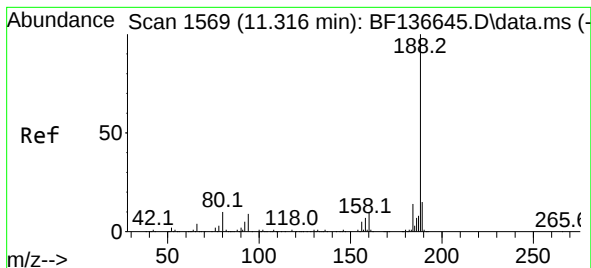
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#58
Fluorene
Concen: 2.207 ng
RT: 10.369 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

Tgt Ion:166 Resp: 14742
Ion Ratio Lower Upper
166 100
165 96.9 73.7 110.5
167 14.4 10.4 15.6





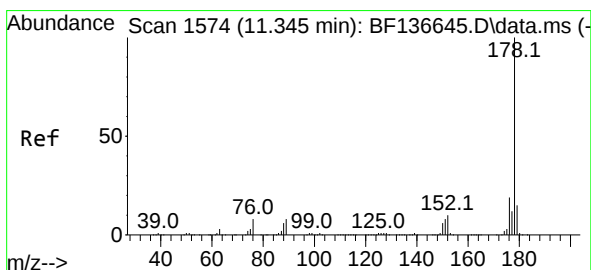
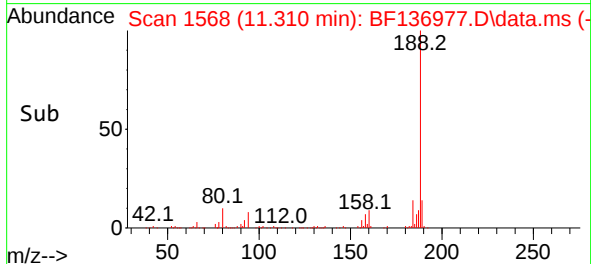
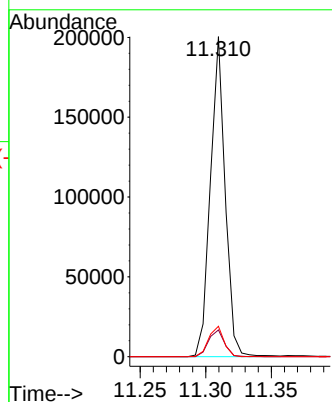
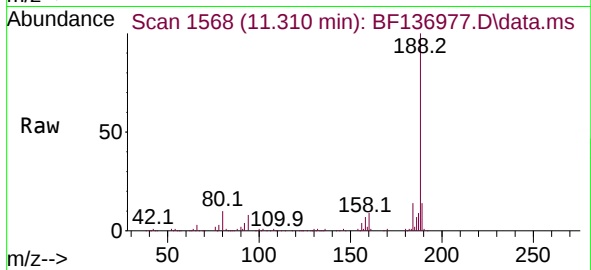
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

Instrument :
BNA_F
ClientSampleId :
MR-317-0-2DDL

Tgt Ion:188 Resp: 157499
Ion Ratio Lower Upper
188 100
94 8.4 7.5 11.3
80 9.5 8.1 12.1

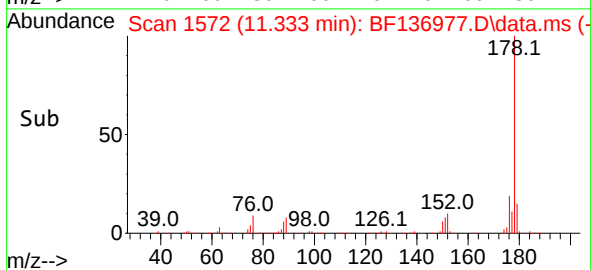
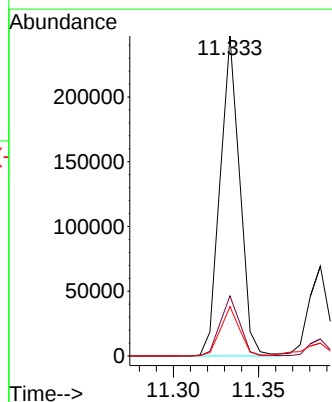
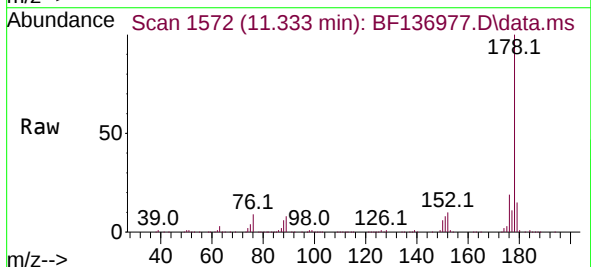
Manual Integrations
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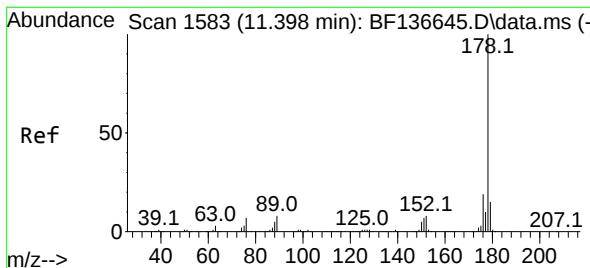
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#71
Phenanthrene
Concen: 24.548 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

Tgt Ion:178 Resp: 198379
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.5 11.9 17.9





#72

Anthracene

Concen: 6.718 ng

RT: 11.386 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136977.D

Acq: 05 Jan 2024 15:51

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2DDL

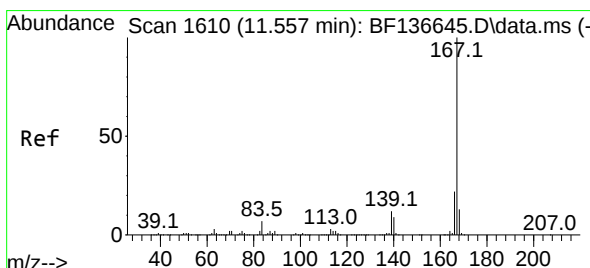
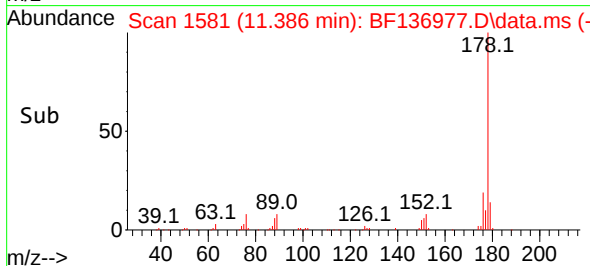
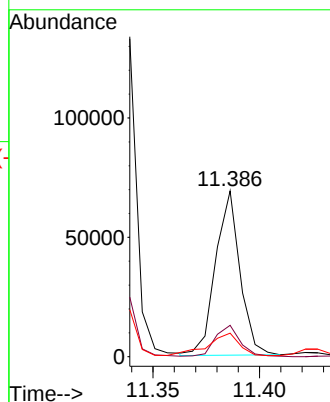
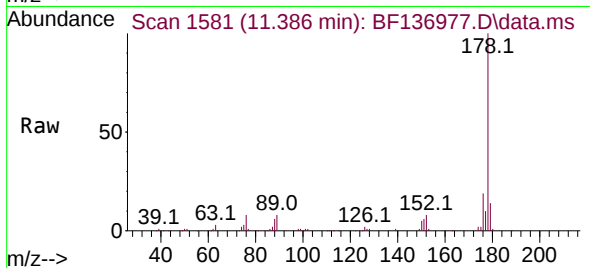
Tgt Ion:178 Resp: 5498

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.9	22.3
179	14.2	11.8	17.6

Manual Integrations

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Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#73

Carbazole

Concen: 2.386 ng

RT: 11.551 min Scan# 1609

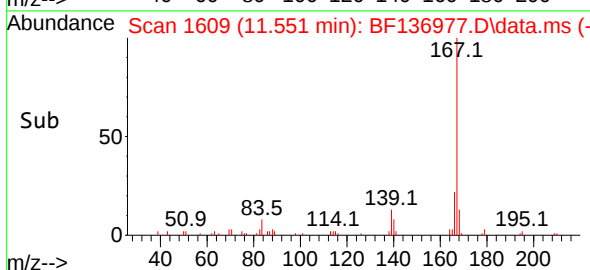
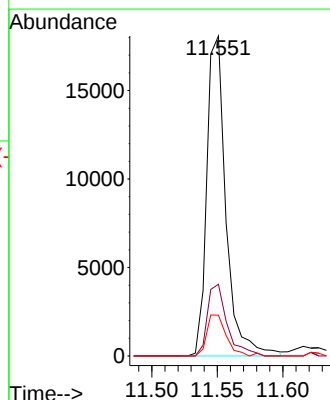
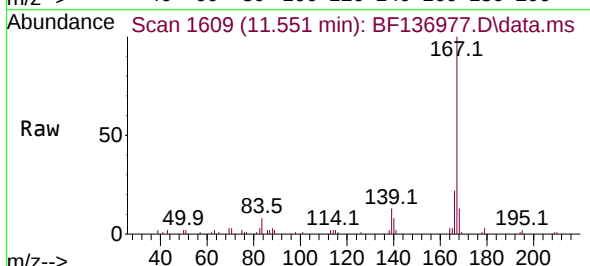
Delta R.T. -0.006 min

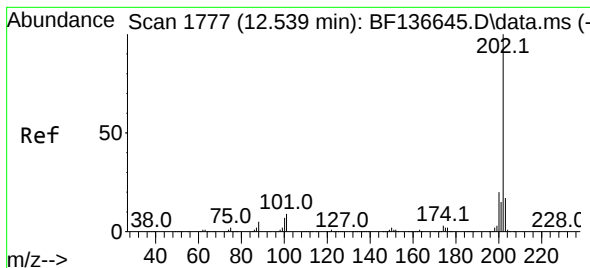
Lab File: BF136977.D

Acq: 05 Jan 2024 15:51

Tgt Ion:167 Resp: 18412

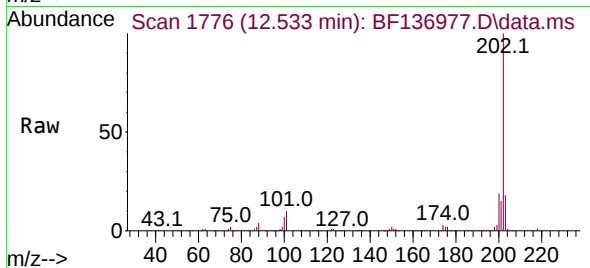
Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.3	25.9
139	12.8	9.8	14.6





#75
Fluoranthene
Concen: 30.587 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

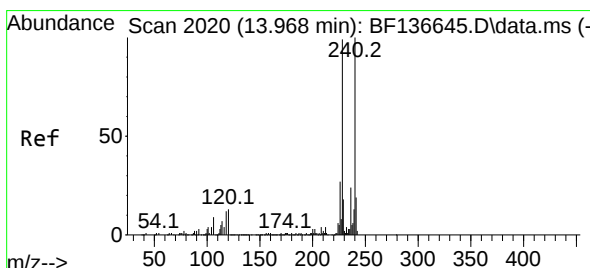
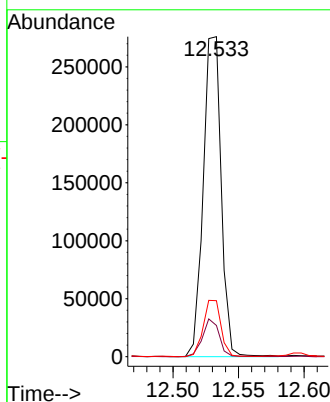
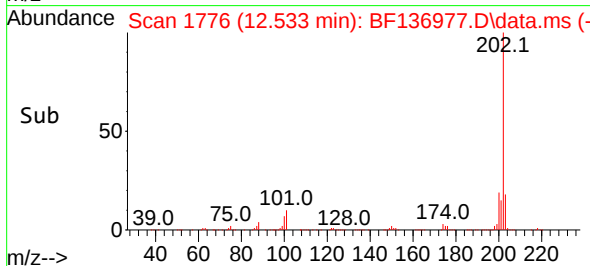
Instrument :
BNA_F
ClientSampleId :
MR-317-0-2DDL



Tgt Ion:202 Resp: 264402
Ion Ratio Lower Upper
202 100
101 9.7 0.0 29.3
203 17.5 0.0 37.1

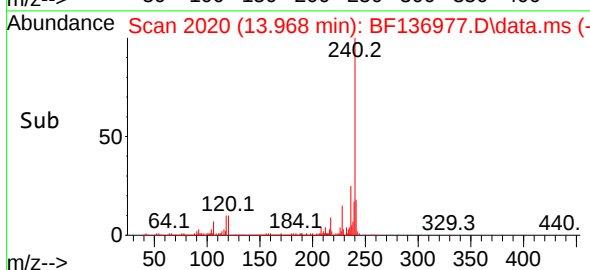
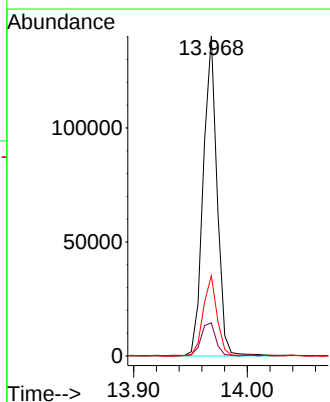
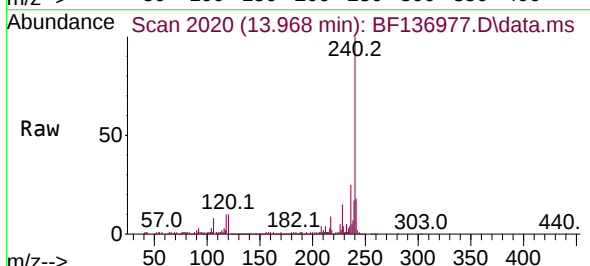
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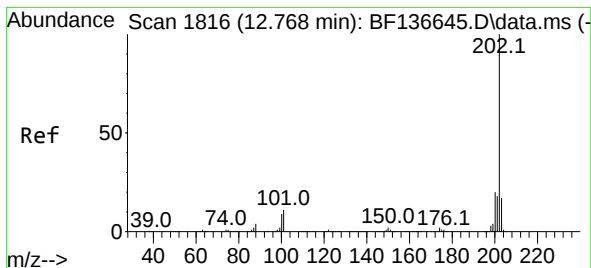
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

Tgt Ion:240 Resp: 118732
Ion Ratio Lower Upper
240 100
120 10.3 10.3 15.5
236 25.1 19.4 29.2





#78

Pyrene

Concen: 19.182 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF136977.D

Acq: 05 Jan 2024 15:51

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2DDL

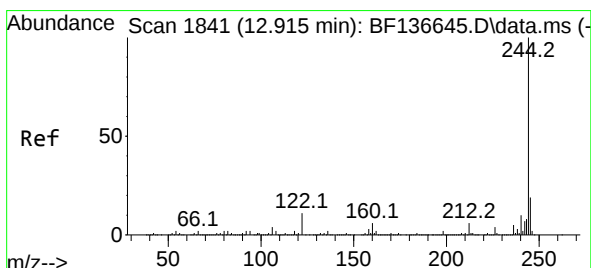
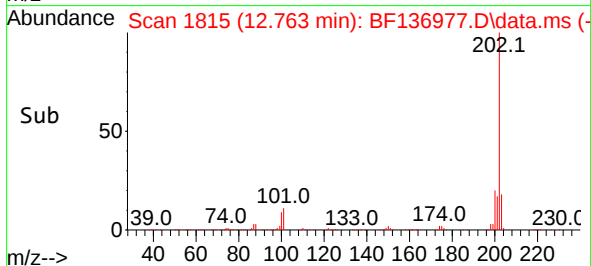
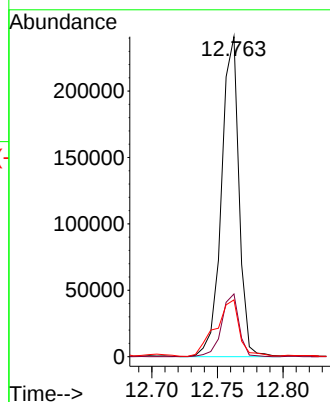
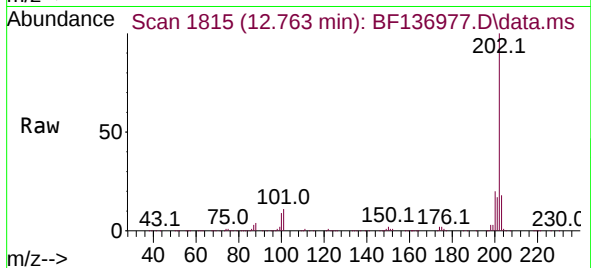
Tgt Ion:202	Resp: 223574
Ion Ratio	Lower Upper
202 100	
200 19.6	15.9 23.9
203 17.8	13.8 20.6

Manual Integrations

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Reviewed By :Yogesh Patel 01/06/2024

Supervised By :mohammad ahmed 01/06/2024



#79

Terphenyl-d14

Concen: 11.951 ng

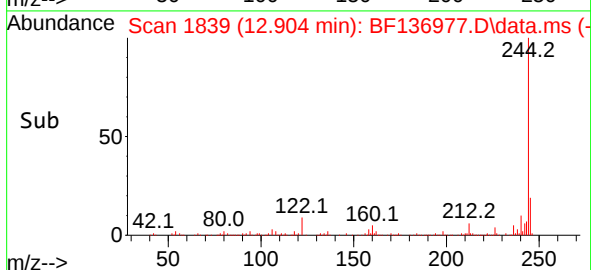
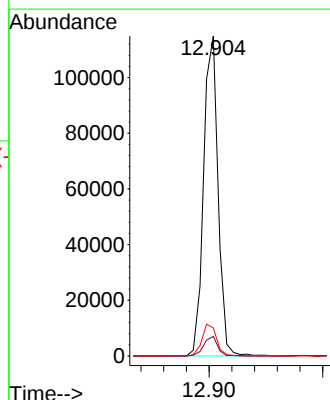
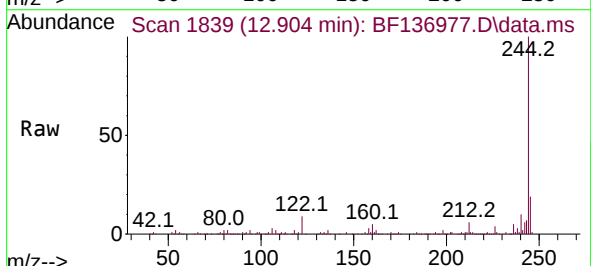
RT: 12.904 min Scan# 1839

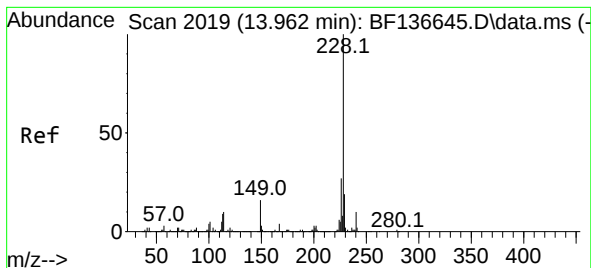
Delta R.T. -0.012 min

Lab File: BF136977.D

Acq: 05 Jan 2024 15:51

Tgt Ion:244	Resp: 101537
Ion Ratio	Lower Upper
244 100	
212 6.1	5.0 7.4
122 8.8	9.0 13.4





#81

Benzo(a)anthracene

Concen: 15.795 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136977.D

Acq: 05 Jan 2024 15:51

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2DDL

Tgt Ion:228 Resp: 13022

Ion Ratio Lower Upper

228 100

226 27.1 21.4 32.0

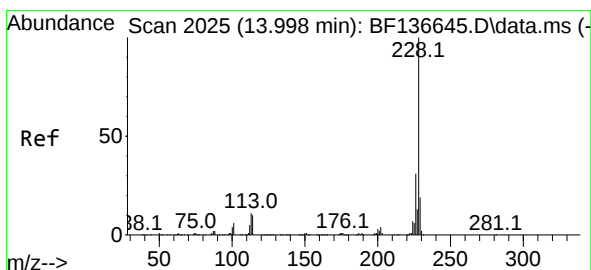
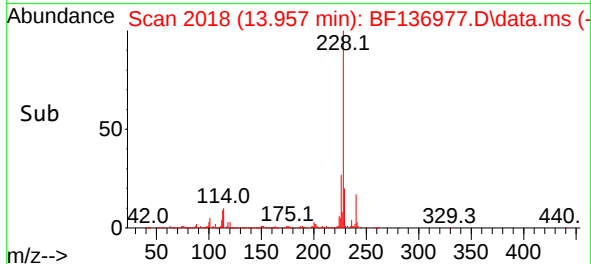
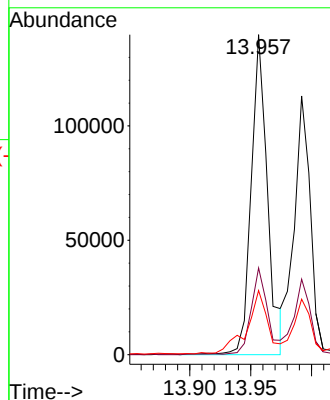
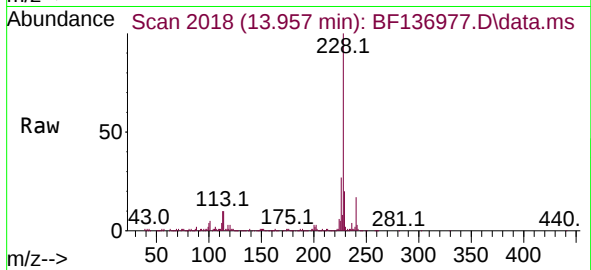
229 20.0 14.9 22.3

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Reviewed By :Yogesh Patel 01/06/2024

Supervised By :mohammad ahmed 01/06/2024



#83

Chrysene

Concen: 13.088 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF136977.D

Acq: 05 Jan 2024 15:51

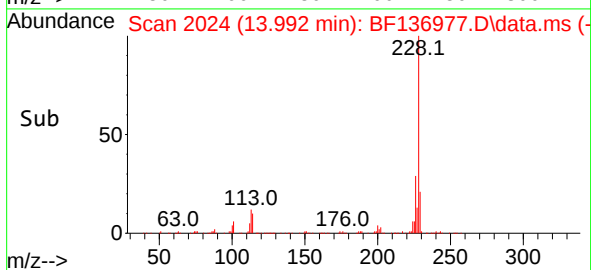
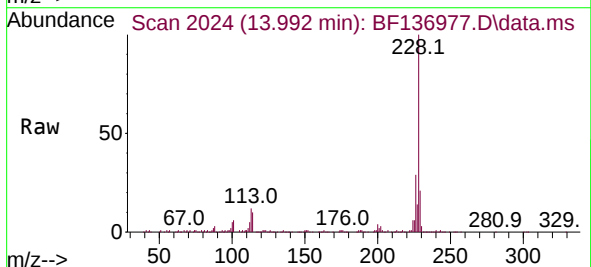
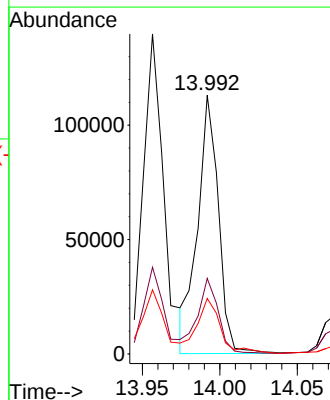
Tgt Ion:228 Resp: 105520

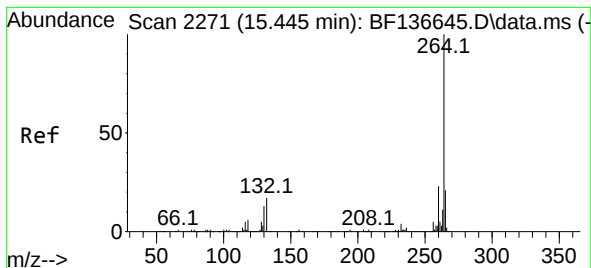
Ion Ratio Lower Upper

228 100

226 29.2 24.7 37.1

229 21.5 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.456 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF136977.D

Acq: 05 Jan 2024 15:51

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2DDL

Tgt Ion:264 Resp: 145928

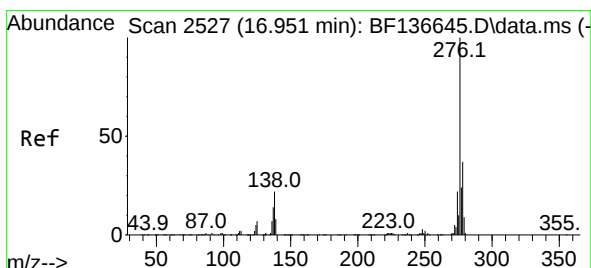
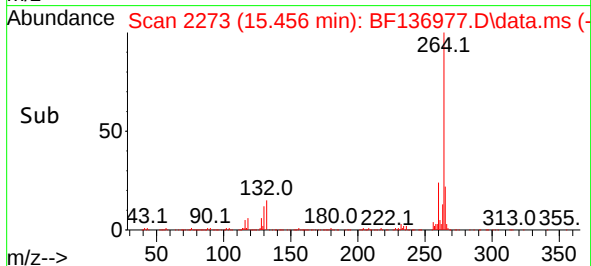
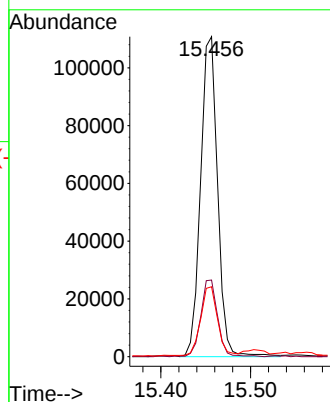
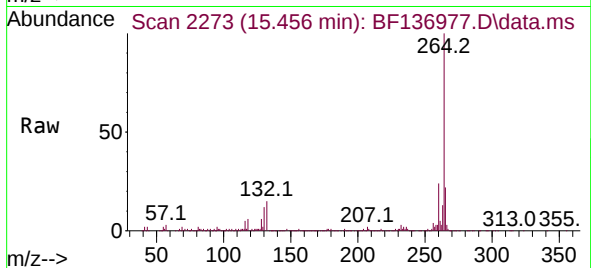
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.3	27.5
265	21.9	17.0	25.6

Manual Integrations

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Reviewed By :Yogesh Patel 01/06/2024

Supervised By :mohammad ahmed 01/06/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.345 ng

RT: 16.968 min Scan# 2530

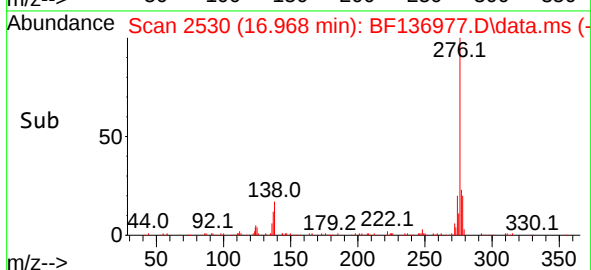
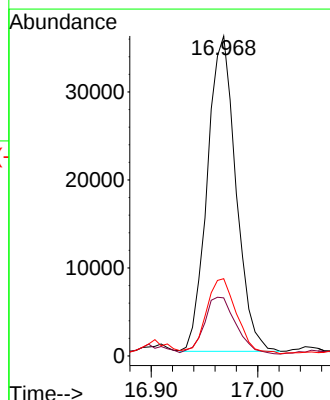
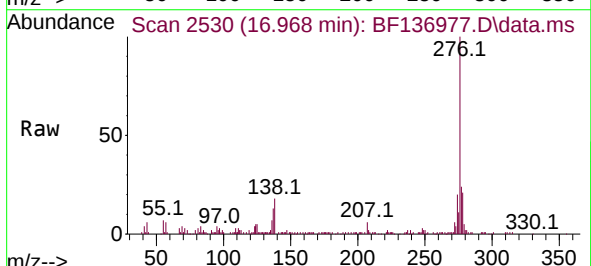
Delta R.T. 0.018 min

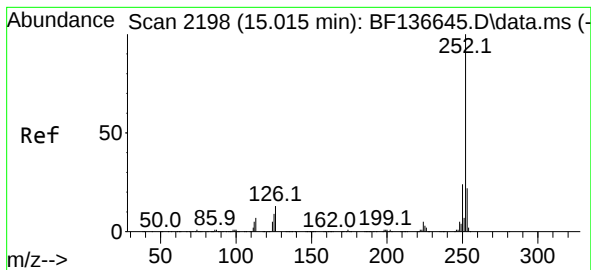
Lab File: BF136977.D

Acq: 05 Jan 2024 15:51

Tgt Ion:276 Resp: 66851

Ion	Ratio	Lower	Upper
276	100		
138	19.9	18.7	28.1
277	25.0	20.2	30.2





#88

Benzo(b)fluoranthene

Concen: 15.729 ng m

RT: 15.015 min Scan# 2198

Delta R.T. -0.000 min

Lab File: BF136977.D

Acq: 05 Jan 2024 15:51

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2DDL

Tgt Ion:252 Resp: 153300

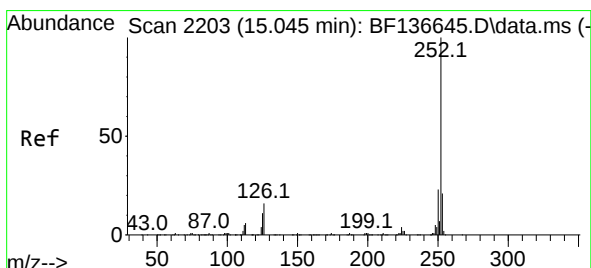
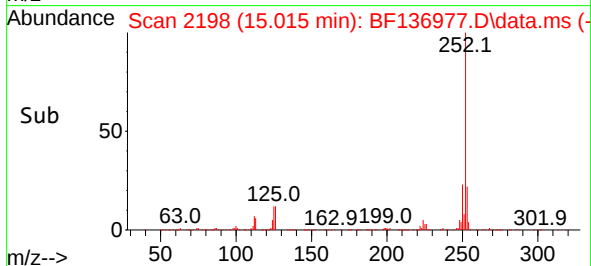
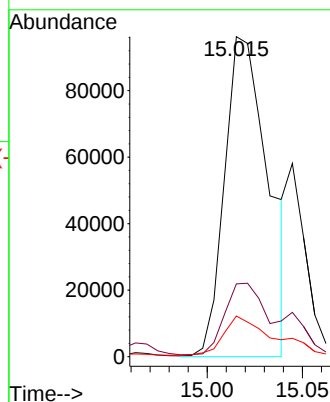
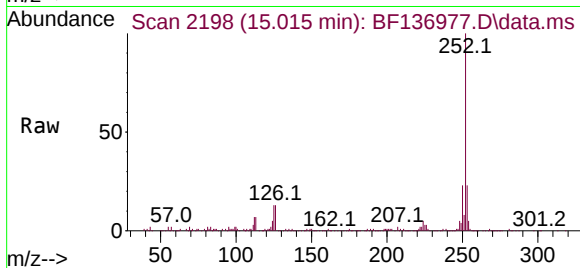
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	12.7	7.4	11.2

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Reviewed By :Yogesh Patel 01/06/2024

Supervised By :mohammad ahmed 01/06/2024



#89

Benzo(k)fluoranthene

Concen: 4.448 ng m

RT: 15.045 min Scan# 2203

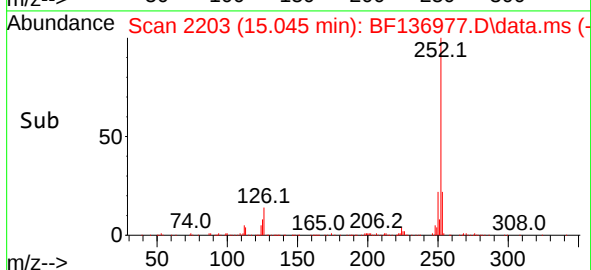
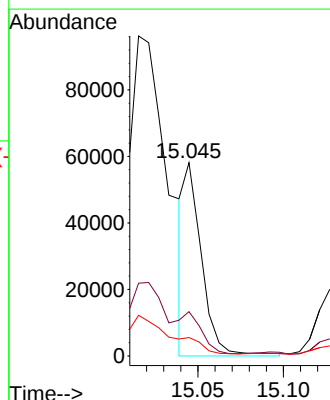
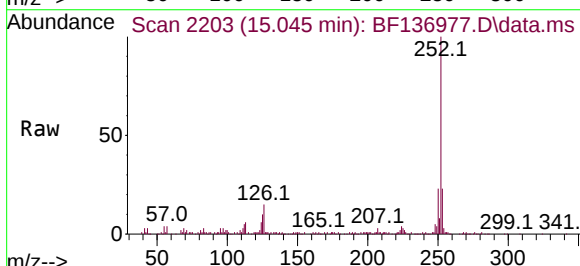
Delta R.T. 0.000 min

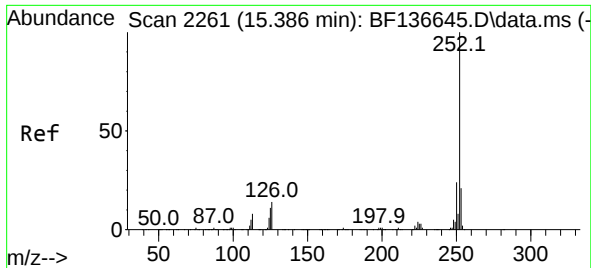
Lab File: BF136977.D

Acq: 05 Jan 2024 15:51

Tgt Ion:252 Resp: 40967

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	9.6	8.2	12.4





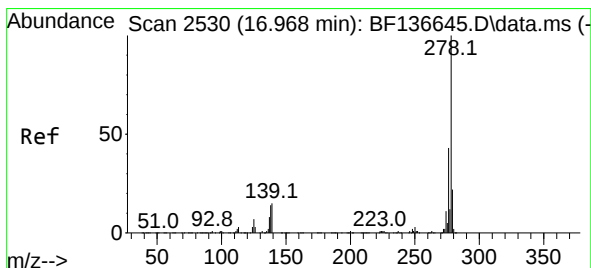
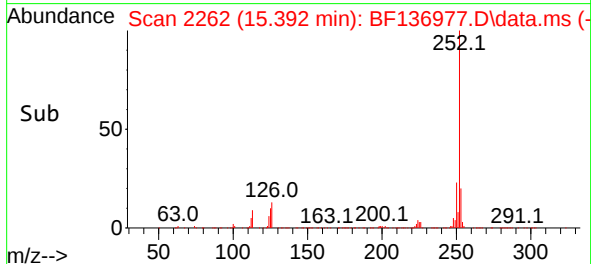
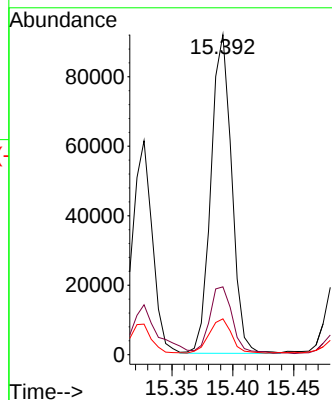
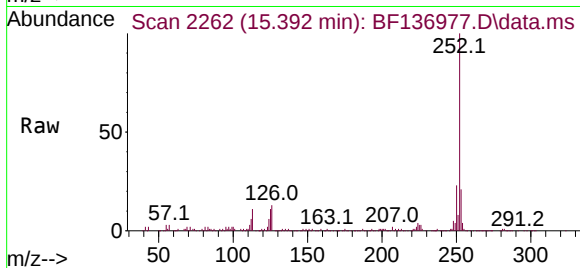
#90
Benzo(a)pyrene
Concen: 13.187 ng
RT: 15.392 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

Instrument :
BNA_F
ClientSampleId :
MR-317-0-2DDL

Tgt Ion:252 Resp: 10849
Ion Ratio Lower Upper
252 100
253 21.2 17.0 25.6
125 11.2 8.8 13.2

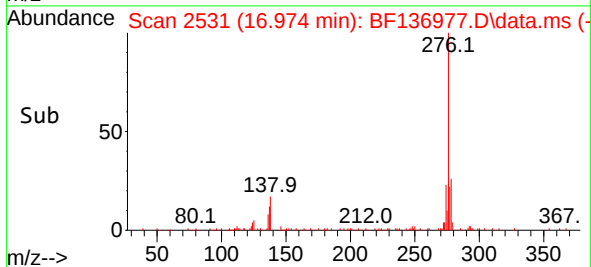
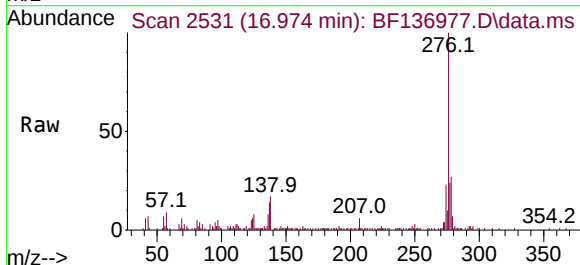
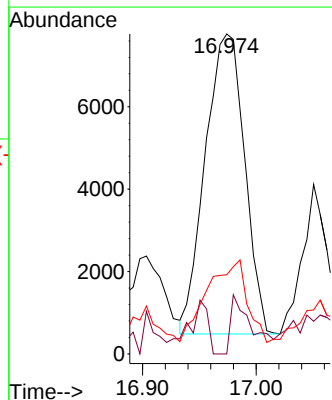
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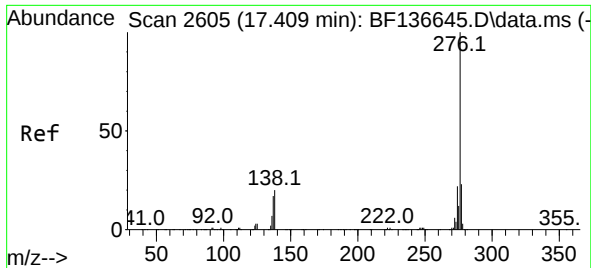
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#91
Dibenzo(a,h)anthracene
Concen: 2.028 ng
RT: 16.974 min Scan# 2531
Delta R.T. 0.006 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

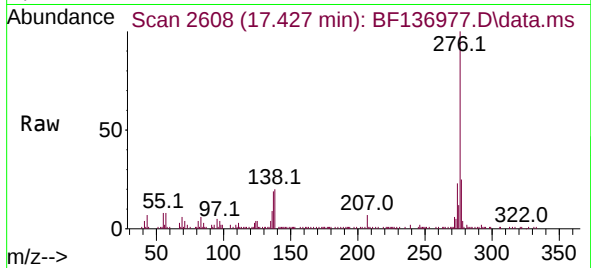
Tgt Ion:278 Resp: 17533
Ion Ratio Lower Upper
278 100
139 0.0 12.2 18.4#
279 24.8 17.8 26.6





#92
 Benzo(g,h,i)perylene
 Concen: 7.133 ng
 RT: 17.427 min Scan# 20
 Delta R.T. 0.018 min
 Lab File: BF136977.D
 Acq: 05 Jan 2024 15:51

Instrument :
 BNA_F
 ClientSampleId :
 MR-317-0-2DDL



Tgt Ion: 276 Resp: 6314
 Ion Ratio Lower Upper
 276 100
 277 25.4 18.3 27.5
 138 20.2 15.6 23.4

Manual Integrations
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Reviewed By :Yogesh Patel 01/06/2024
 Supervised By :mohammad ahmed 01/06/2024

