

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
 Data File : BF140510.D
 Acq On : 20 Nov 2024 20:02
 Operator : RC/JU
 Sample : P4892-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WB-310-TOP

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 21 00:08:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	109793	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	377655	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	180123	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	278778	20.000	ng	0.00
76) Chrysene-d12	14.045	240	208770	20.000	ng	0.00
86) Perylene-d12	15.533	264	217412	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	621437	96.639	ng	0.01
7) Phenol-d6	6.510	99	786740	90.303	ng	0.00
23) Nitrobenzene-d5	7.434	82	492636	67.966	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	155928	87.053	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	862994	77.020	ng	0.00
79) Terphenyl-d14	12.980	244	704237	58.553	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.769	152	54144	3.585	ng	98
52) Acenaphthene	9.939	154	22021	2.159	ng	96
71) Phenanthrene	11.422	178	170137	12.992	ng	99
72) Anthracene	11.474	178	76439	5.956	ng	99
75) Fluoranthene	12.616	202	360462	24.534	ng	99
78) Pyrene	12.845	202	363983	20.383	ng	99
81) Benzo(a)anthracene	14.033	228	266516	19.424	ng	# 82
83) Chrysene	14.068	228	221479	17.691	ng	# 95
87) Indeno(1,2,3-cd)pyrene	17.033	276	73495	5.472	ng	96
88) Benzo(b)fluoranthene	15.098	252	215937m	15.183	ng	
89) Benzo(k)fluoranthene	15.115	252	73990m	6.368	ng	
90) Benzo(a)pyrene	15.468	252	180490	16.342	ng	# 96
91) Dibenzo(a,h)anthracene	17.039	278	22934	2.066	ng	# 82
92) Benzo(g,h,i)perylene	17.486	276	64491	5.682	ng	94

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

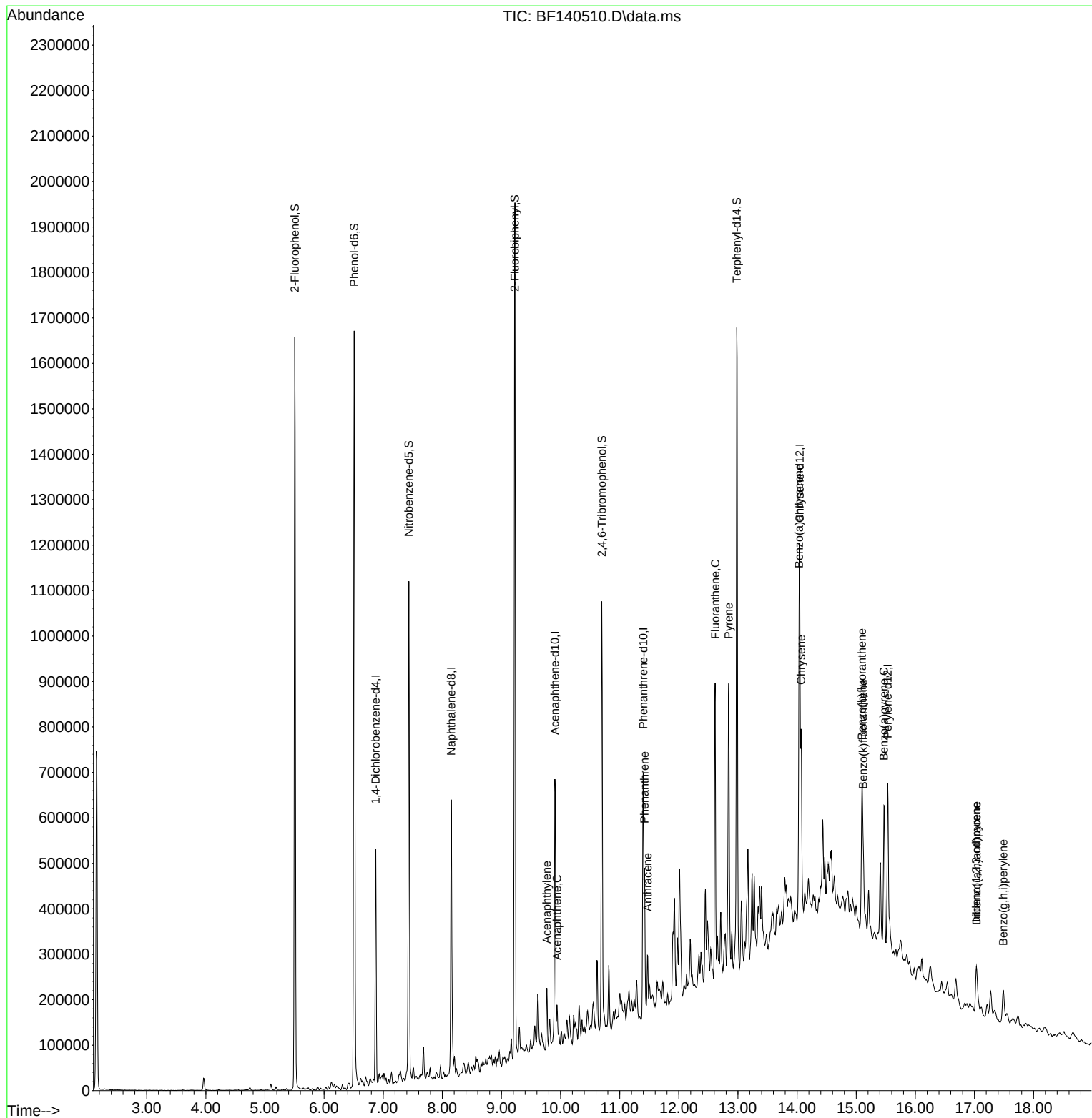
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140510.D
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Sample : P4892-01
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ALS Vial : 11 Sample Multiplier: 1

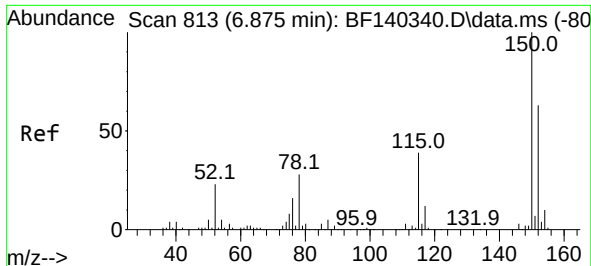
Instrument :
BNA_F
ClientSampleId :
WB-310-TOP

Quant Time: Nov 21 00:08:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
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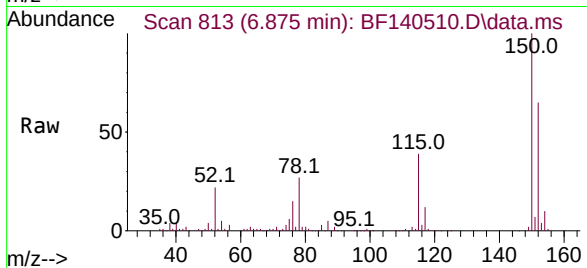
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140510.D
Acq: 20 Nov 2024 20:02

Instrument :

BNA_F

ClientSampleId :

WB-310-TOP



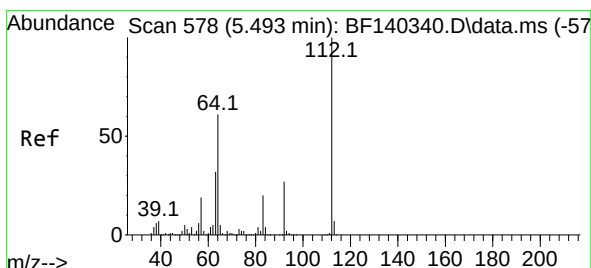
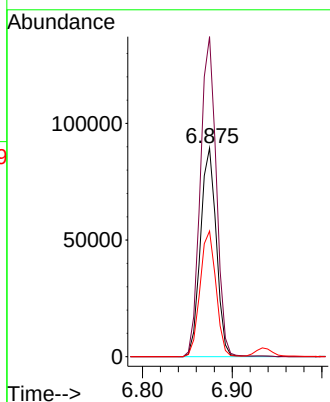
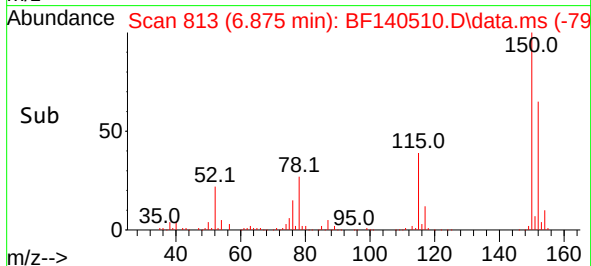
Tgt Ion:152 Resp: 10979
Ion Ratio Lower Upper
152 100
150 153.4 127.4 191.0
115 60.2 47.4 71.2

Manual Integrations

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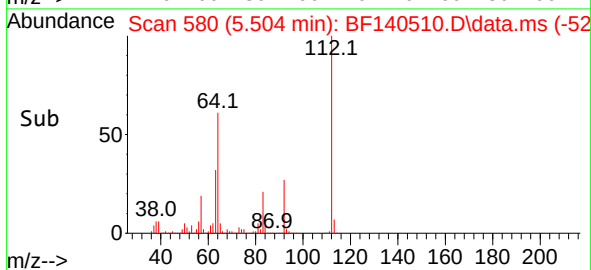
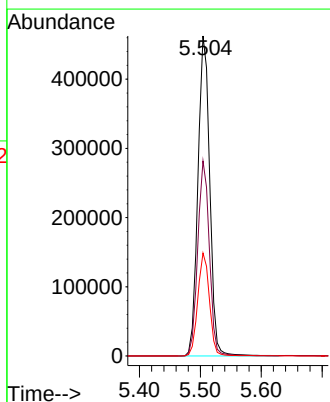
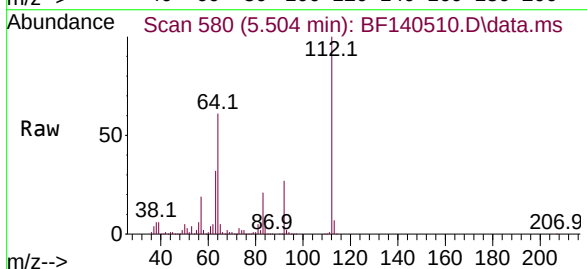
Reviewed By :Yogesh Patel 11/22/2024

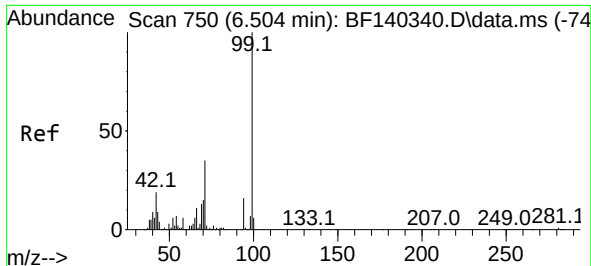
Supervised By :mohammad ahmed 11/22/2024



#5
2-Fluorophenol
Concen: 96.639 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140510.D
Acq: 20 Nov 2024 20:02

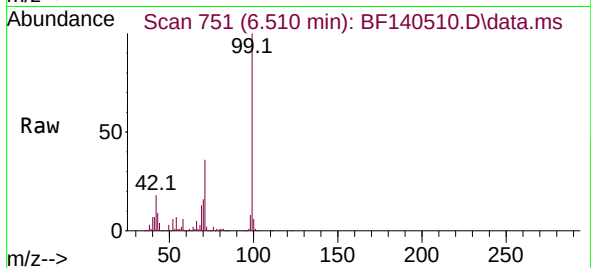
Tgt Ion:112 Resp: 621437
Ion Ratio Lower Upper
112 100
64 60.9 49.2 73.8
63 32.2 25.6 38.4





#7
Phenol-d6
Concen: 90.303 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140510.D
Acq: 20 Nov 2024 20:02

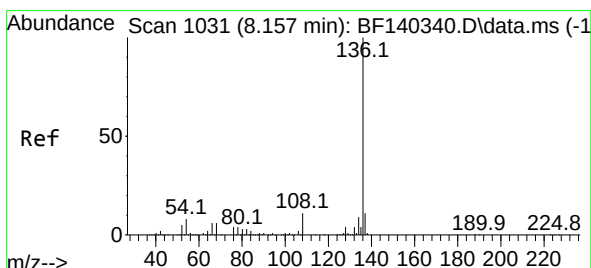
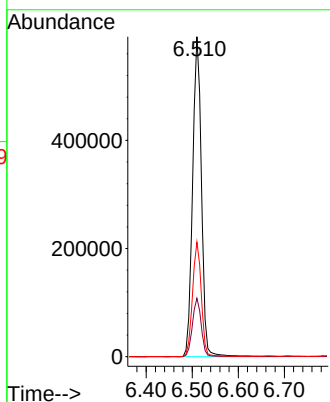
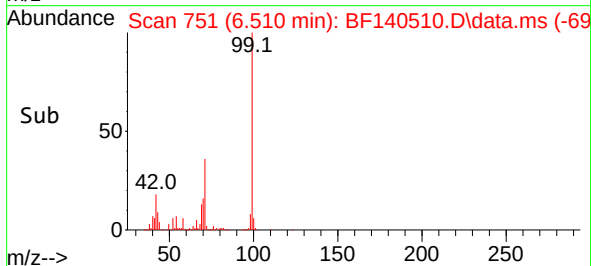
Instrument :
BNA_F
ClientSampleId :
WB-310-TOP



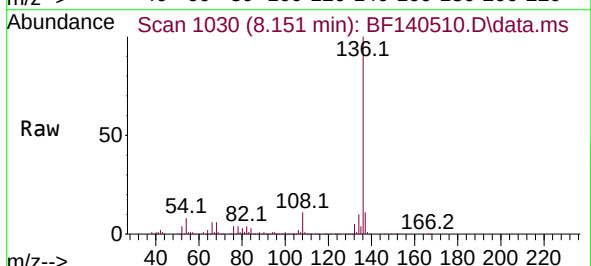
Tgt Ion: 99 Resp: 786740
Ion Ratio Lower Upper
99 100
42 18.2 15.1 22.7
71 35.8 27.9 41.9

Manual Integrations
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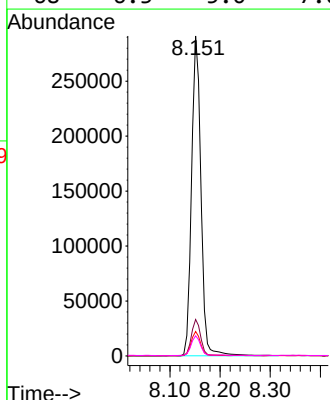
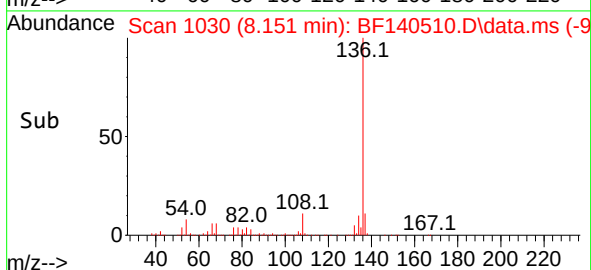
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

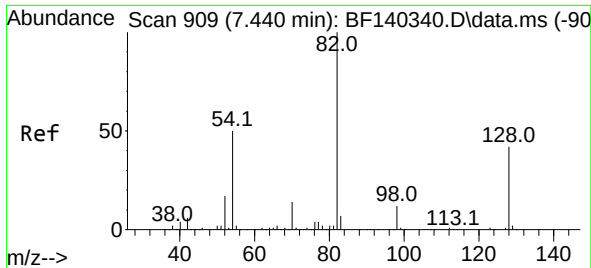


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140510.D
Acq: 20 Nov 2024 20:02



Tgt Ion:136 Resp: 377655
Ion Ratio Lower Upper
136 100
137 11.4 8.7 13.1
54 7.7 6.5 9.7
68 6.3 5.0 7.6





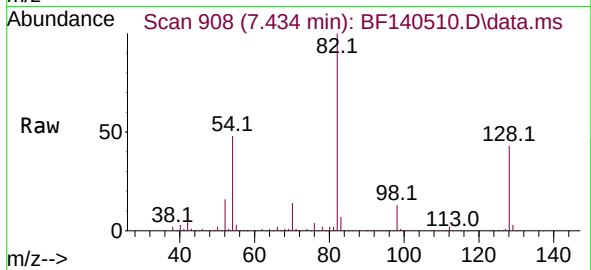
#23
Nitrobenzene-d5
Concen: 67.966 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140510.D
Acq: 20 Nov 2024 20:02

Instrument :

BNA_F

ClientSampleId :

WB-310-TOP

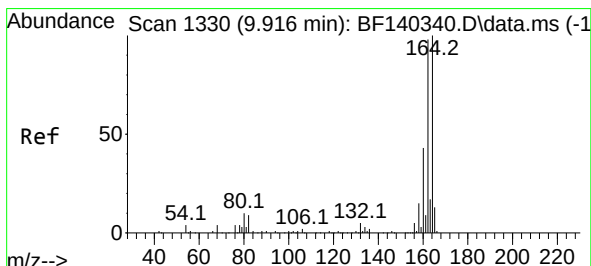
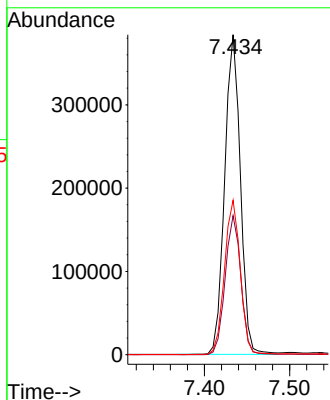
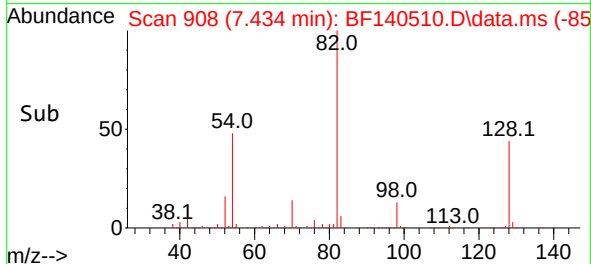


Tgt Ion: 82 Resp: 492630
Ion Ratio Lower Upper
82 100
128 43.5 33.3 49.9
54 48.2 39.8 59.8

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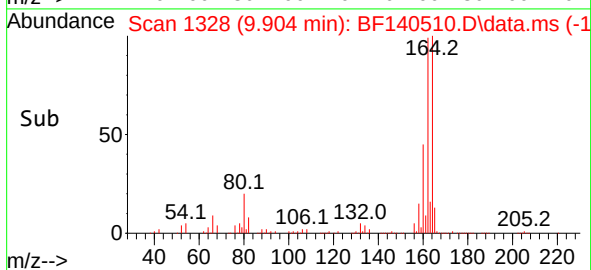
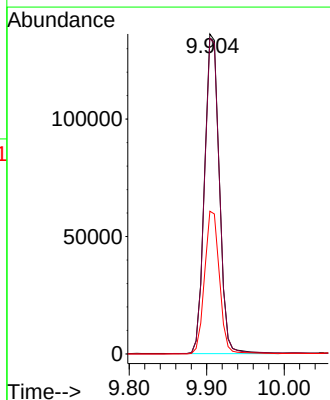
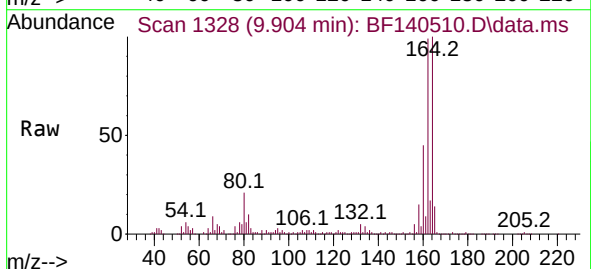
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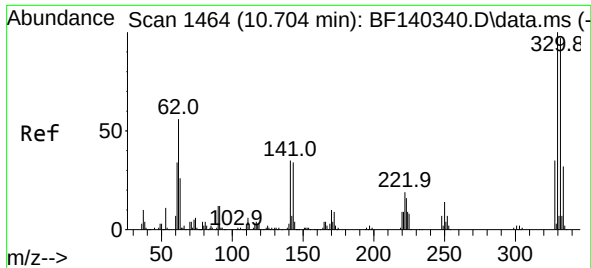
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140510.D
Acq: 20 Nov 2024 20:02

Tgt Ion:164 Resp: 180123
Ion Ratio Lower Upper
164 100
162 98.6 79.8 119.8
160 44.6 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 87.053 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140510.D
Acq: 20 Nov 2024 20:02

Instrument :

BNA_F

ClientSampleId :

WB-310-TOP

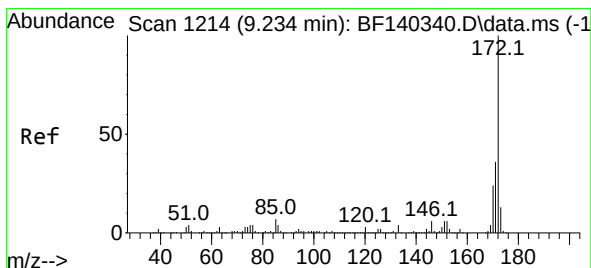
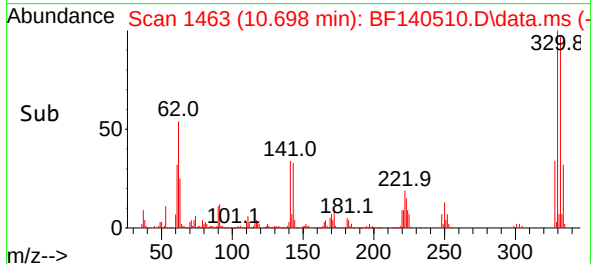
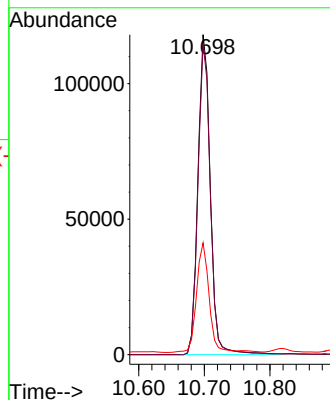
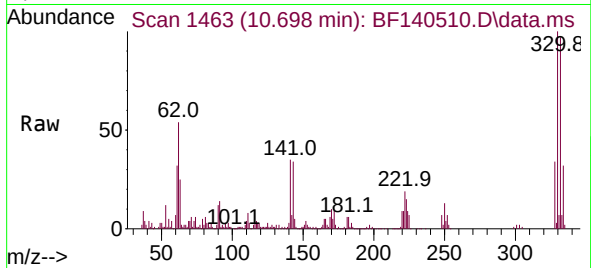
Tgt Ion:330 Resp: 155928
Ion Ratio Lower Upper
330 100
332 97.2 75.9 113.9
141 34.2 26.9 40.3

Manual Integrations

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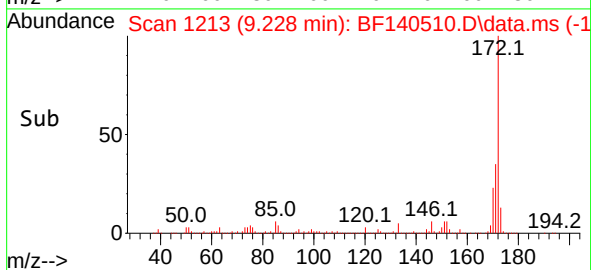
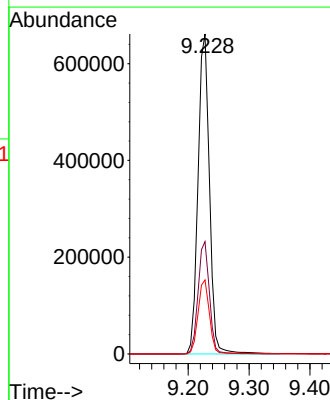
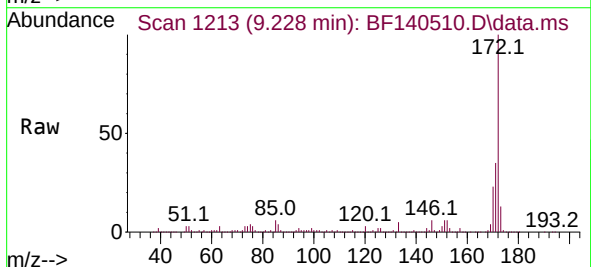
Reviewed By :Yogesh Patel 11/22/2024

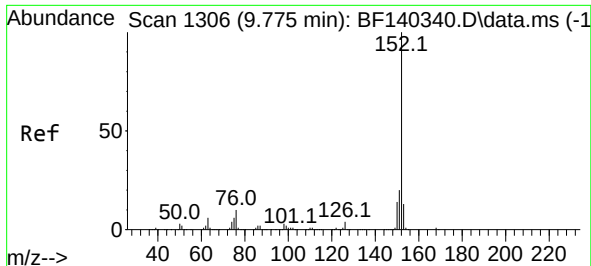
Supervised By :mohammad ahmed 11/22/2024



#45
2-Fluorobiphenyl
Concen: 77.020 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140510.D
Acq: 20 Nov 2024 20:02

Tgt Ion:172 Resp: 862994
Ion Ratio Lower Upper
172 100
171 35.1 28.5 42.7
170 23.2 19.1 28.7





#49
Acenaphthylene
Concen: 3.585 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140510.D
Acq: 20 Nov 2024 20:02

Instrument :

BNA_F

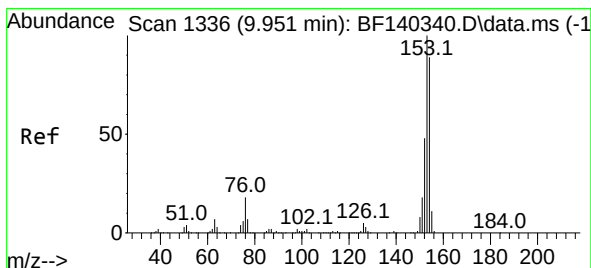
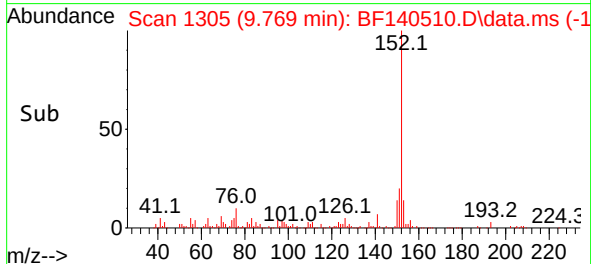
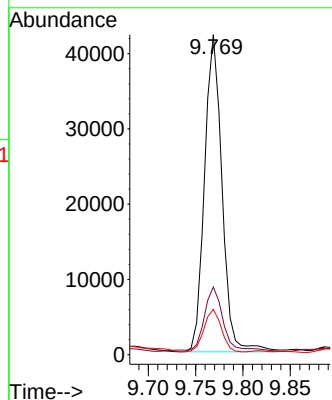
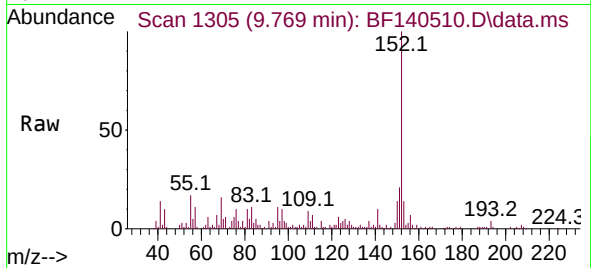
ClientSampleId :

WB-310-TOP

Tgt Ion:152 Resp: 5414
Ion Ratio Lower Upper
152 100
151 21.2 16.1 24.1
153 14.2 10.7 16.1

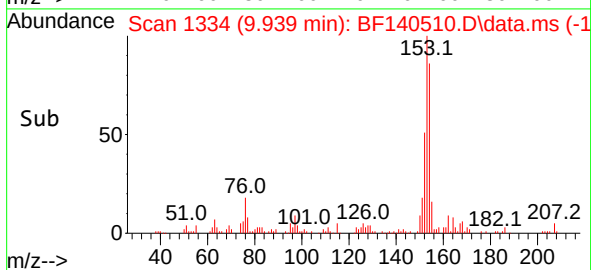
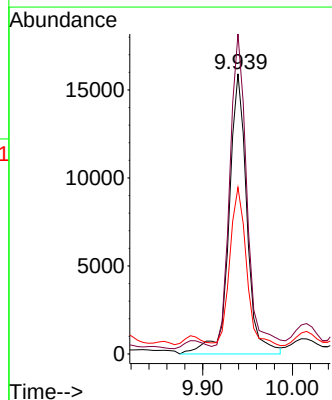
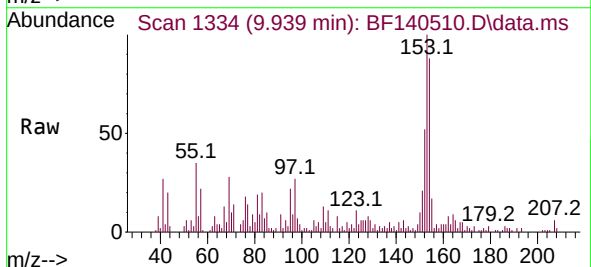
Manual Integrations
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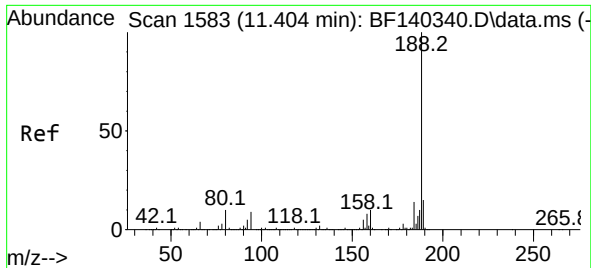
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#52
Acenaphthene
Concen: 2.159 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF140510.D
Acq: 20 Nov 2024 20:02

Tgt Ion:154 Resp: 22021
Ion Ratio Lower Upper
154 100
153 114.2 89.8 134.8
152 59.4 42.6 64.0





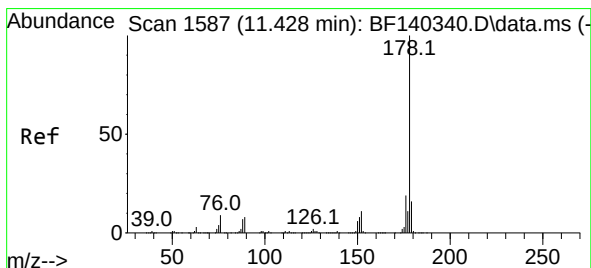
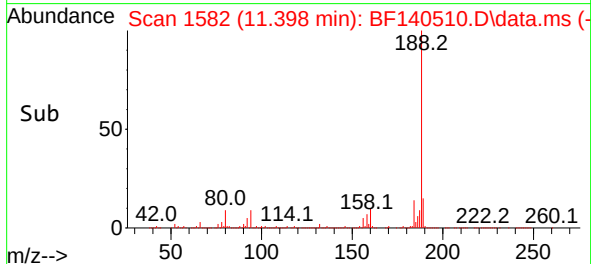
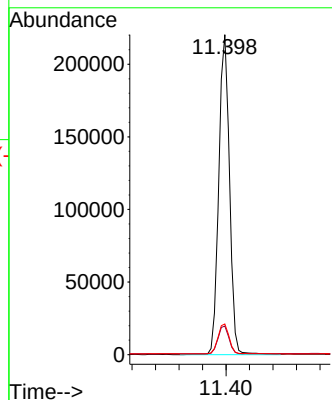
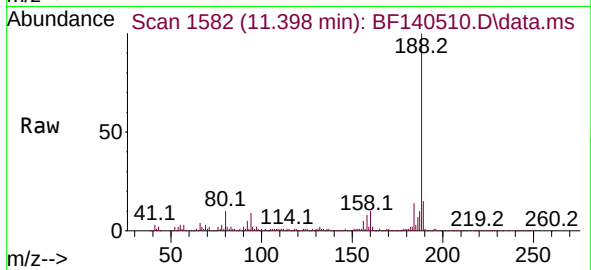
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Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF140510.D
Acq: 20 Nov 2024 20:02

Instrument :
BNA_F
ClientSampleId :
WB-310-TOP

Tgt Ion:188 Resp: 278778
Ion Ratio Lower Upper
188 100
94 8.9 7.6 11.4
80 9.6 8.0 12.0

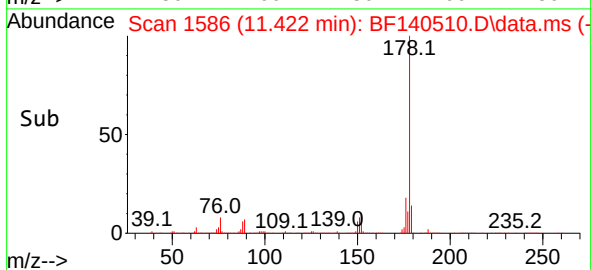
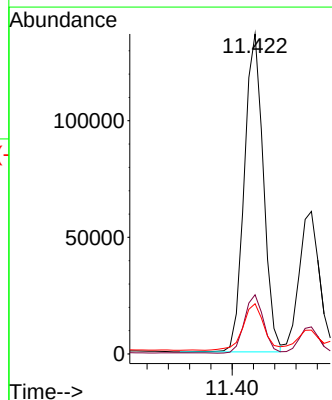
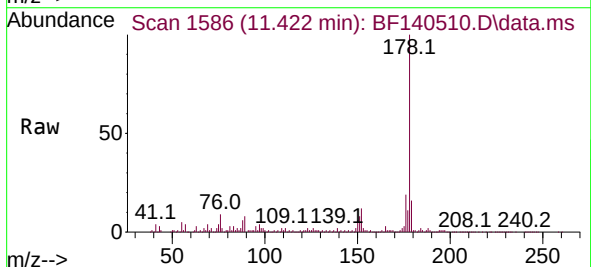
Manual Integrations
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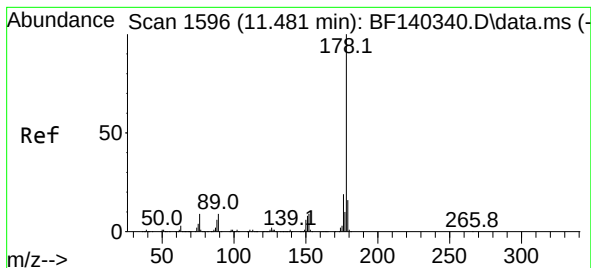
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#71
Phenanthrene
Concen: 12.992 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140510.D
Acq: 20 Nov 2024 20:02

Tgt Ion:178 Resp: 170137
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.7 12.4 18.6





#72

Anthracene

Concen: 5.956 ng

RT: 11.474 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140510.D

Acq: 20 Nov 2024 20:02

Instrument :

BNA_F

ClientSampleId :

WB-310-TOP

Tgt Ion:178 Resp: 76439

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

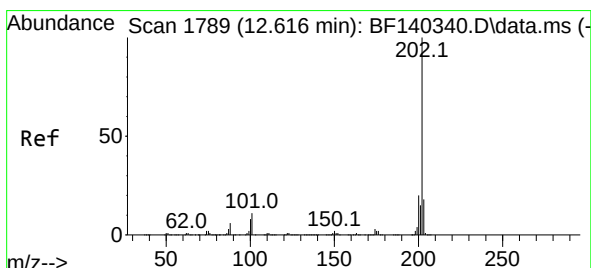
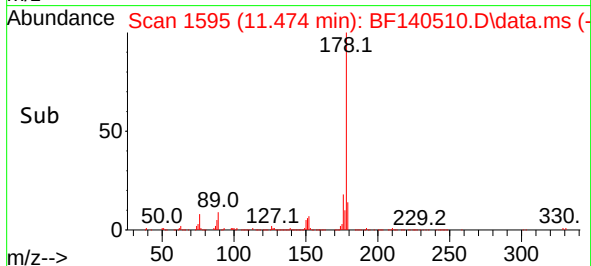
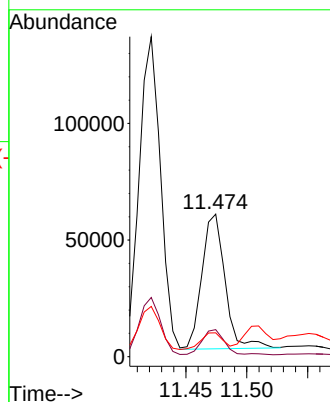
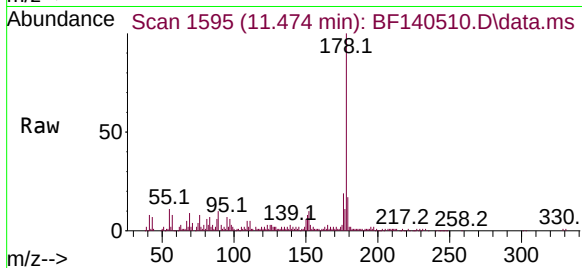
179 16.8 12.6 18.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#75

Fluoranthene

Concen: 24.534 ng

RT: 12.616 min Scan# 1789

Delta R.T. -0.000 min

Lab File: BF140510.D

Acq: 20 Nov 2024 20:02

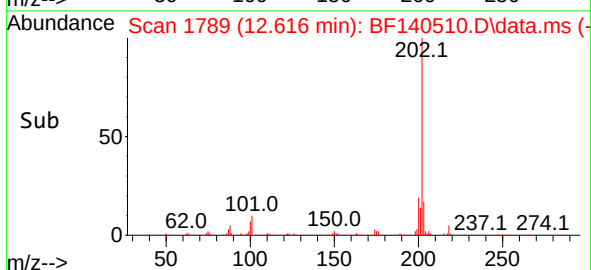
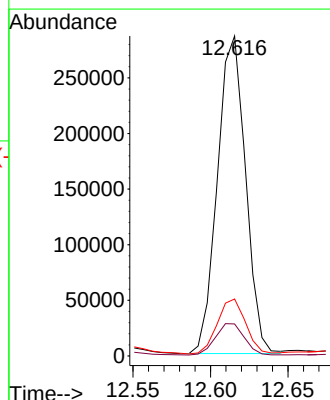
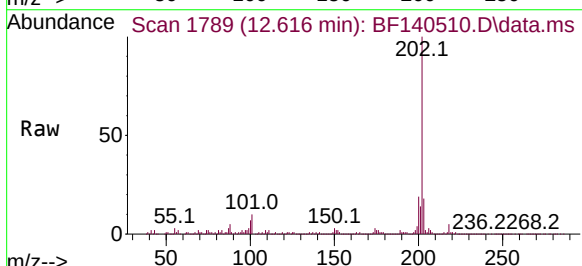
Tgt Ion:202 Resp: 360462

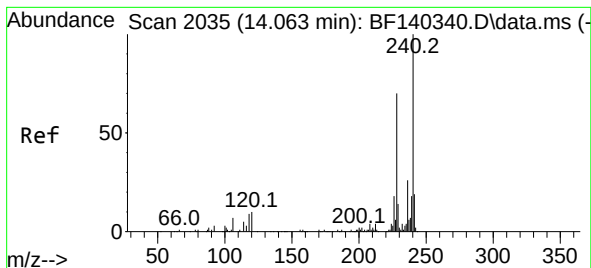
Ion Ratio Lower Upper

202 100

101 10.0 0.0 30.7

203 17.8 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF140510.D

Acq: 20 Nov 2024 20:02

Instrument :

BNA_F

ClientSampleId :

WB-310-TOP

Tgt Ion:240 Resp: 208770

Ion Ratio Lower Upper

240 100

120 10.8 8.8 13.2

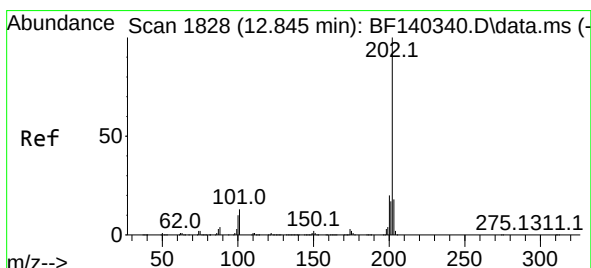
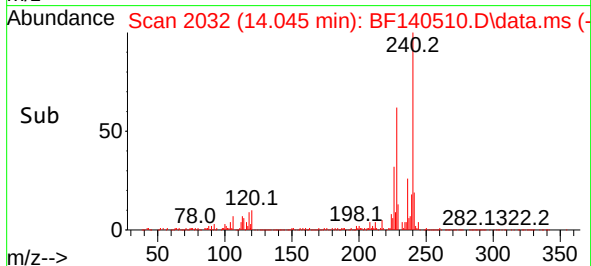
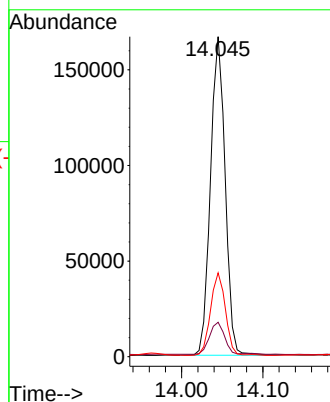
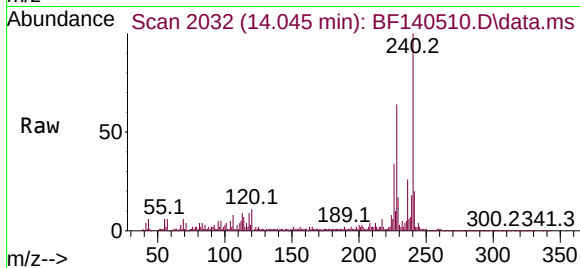
236 26.2 20.9 31.3

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#78

Pyrene

Concen: 20.383 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BF140510.D

Acq: 20 Nov 2024 20:02

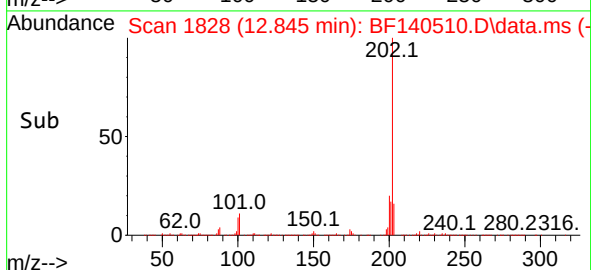
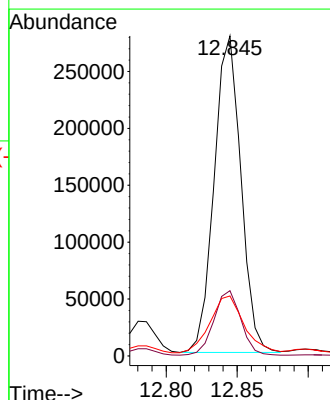
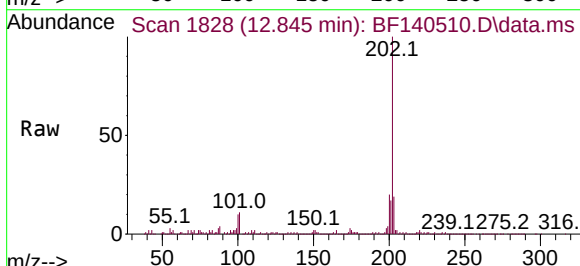
Tgt Ion:202 Resp: 363983

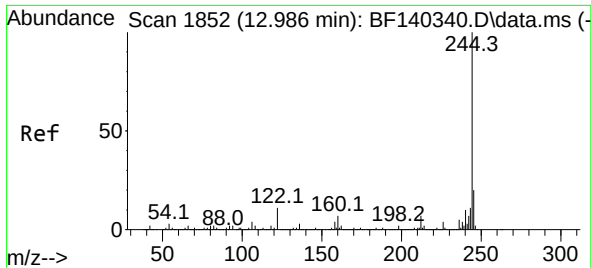
Ion Ratio Lower Upper

202 100

200 20.4 16.2 24.2

203 18.7 14.2 21.4





#79
 Terphenyl-d14
 Concen: 58.553 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF140510.D
 Acq: 20 Nov 2024 20:02

Instrument :

BNA_F

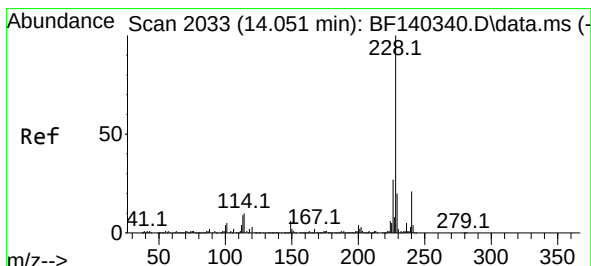
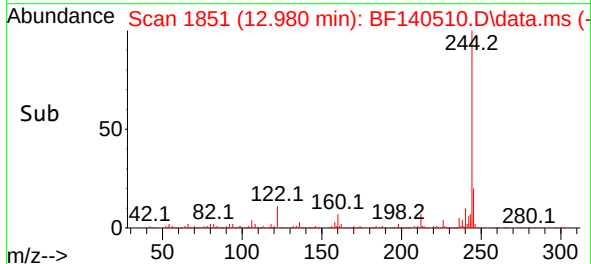
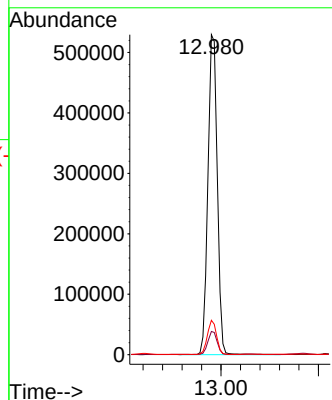
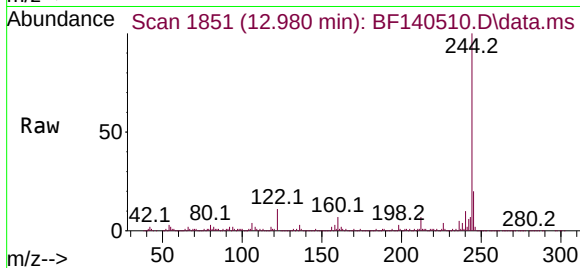
ClientSampleId :

WB-310-TOP

Tgt Ion:244 Resp: 70423
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.8
 122 10.8 8.8 13.2

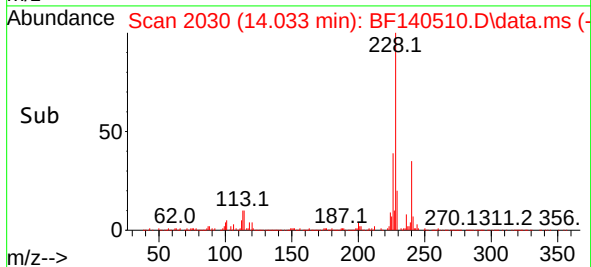
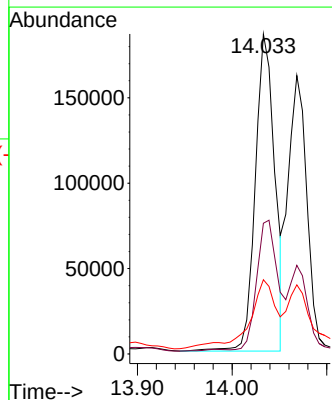
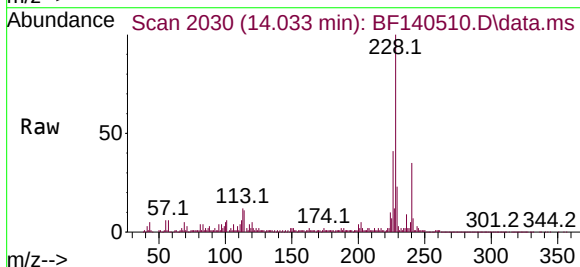
Manual Integrations
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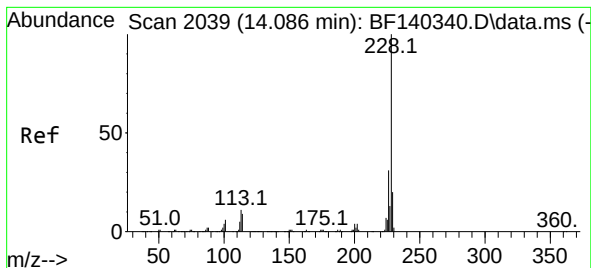
Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/22/2024



#81
 Benzo(a)anthracene
 Concen: 19.424 ng
 RT: 14.033 min Scan# 2030
 Delta R.T. -0.006 min
 Lab File: BF140510.D
 Acq: 20 Nov 2024 20:02

Tgt Ion:228 Resp: 266516
 Ion Ratio Lower Upper
 228 100
 226 40.8 22.2 33.4#
 229 23.2 15.8 23.6





#83

Chrysene

Concen: 17.691 ng

RT: 14.068 min Scan# 2039

Delta R.T. -0.012 min

Lab File: BF140510.D

Acq: 20 Nov 2024 20:02

Instrument :

BNA_F

ClientSampleId :

WB-310-TOP

Tgt Ion:228 Resp: 221479

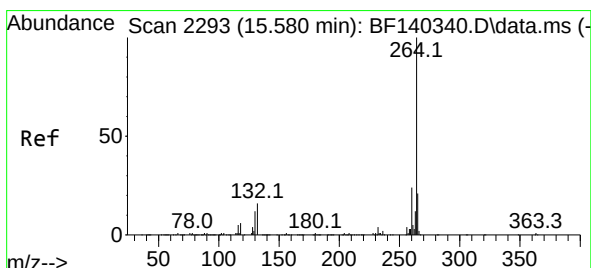
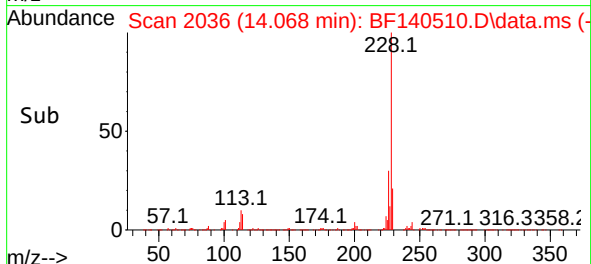
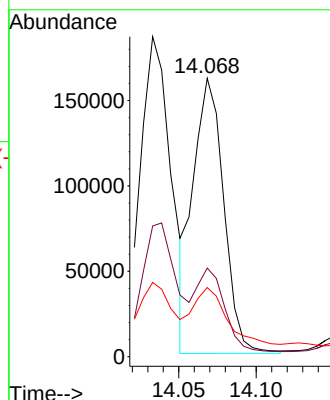
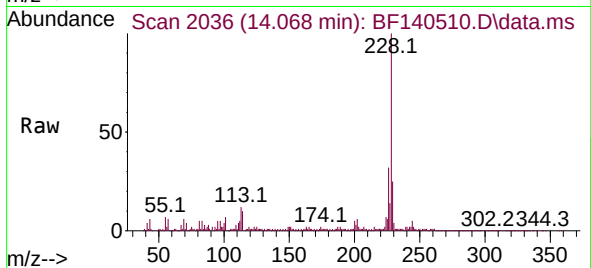
Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.5	36.7
229	24.8	16.0	24.0

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2285

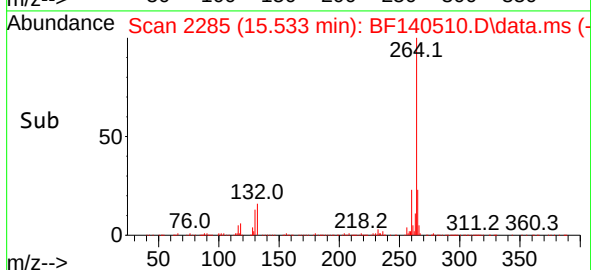
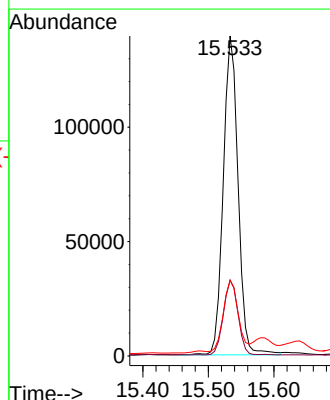
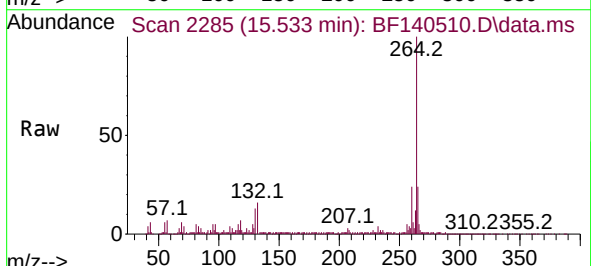
Delta R.T. -0.024 min

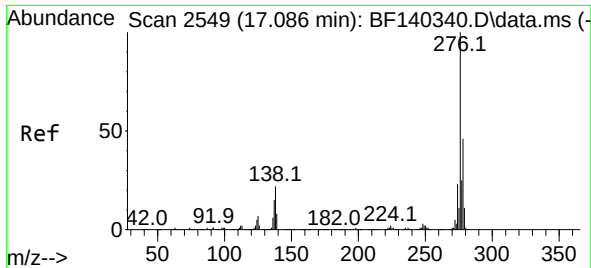
Lab File: BF140510.D

Acq: 20 Nov 2024 20:02

Tgt Ion:264 Resp: 217412

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	23.7	17.1	25.7





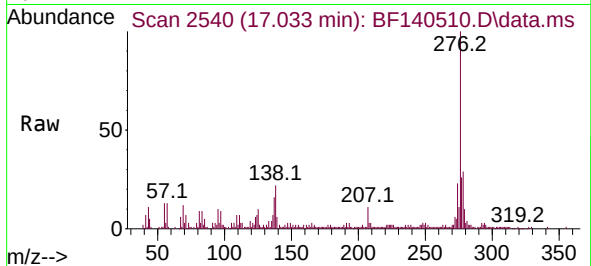
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.472 ng
 RT: 17.033 min Scan# 21
 Delta R.T. -0.024 min
 Lab File: BF140510.D
 Acq: 20 Nov 2024 20:02

Instrument :

BNA_F

ClientSampleId :

WB-310-TOP

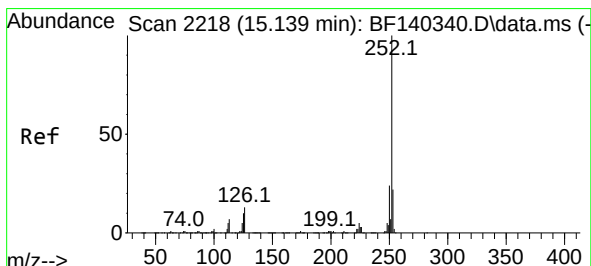
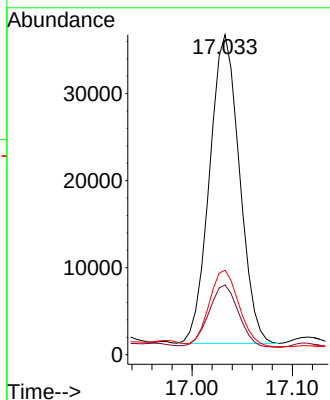
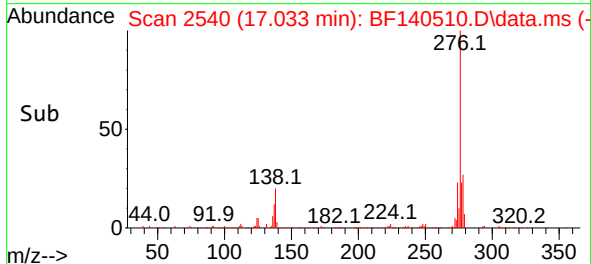


Tgt Ion:276 Resp: 7349
 Ion Ratio Lower Upper
 276 100
 138 20.2 18.8 28.2
 277 24.9 20.2 30.2

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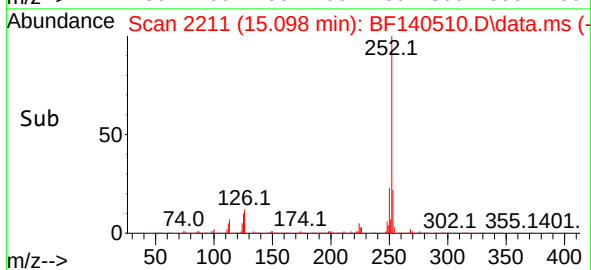
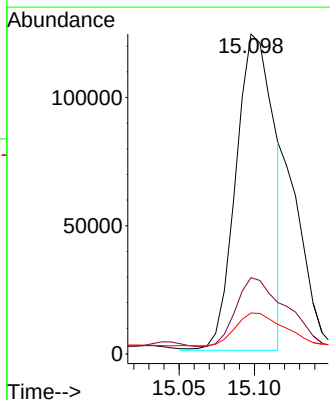
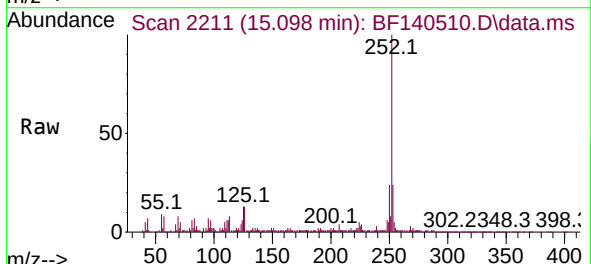
APPROVED

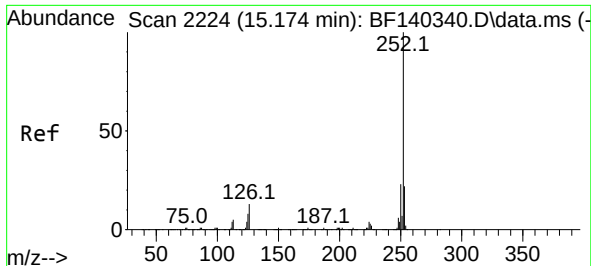
Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/22/2024



#88
 Benzo(b)fluoranthene
 Concen: 15.183 ng m
 RT: 15.098 min Scan# 2211
 Delta R.T. -0.018 min
 Lab File: BF140510.D
 Acq: 20 Nov 2024 20:02

Tgt Ion:252 Resp: 215937
 Ion Ratio Lower Upper
 252 100
 253 23.9 17.5 26.3
 125 12.8 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 6.368 ng m

RT: 15.115 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF140510.D

Acq: 20 Nov 2024 20:02

Instrument :

BNA_F

ClientSampleId :

WB-310-TOP

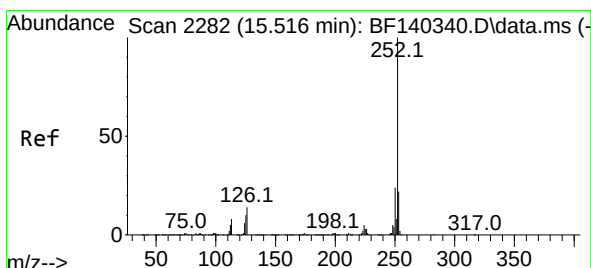
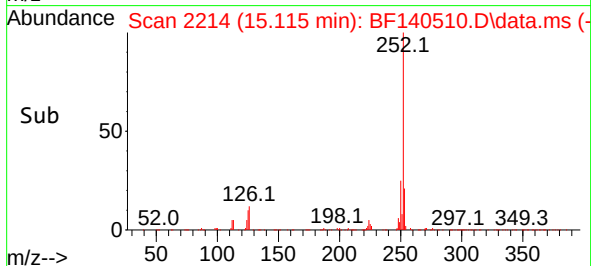
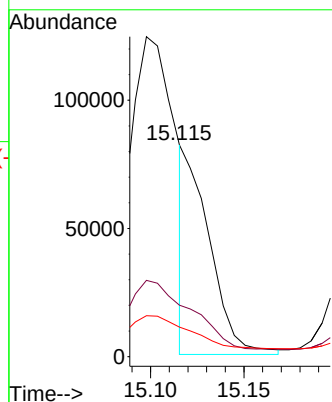
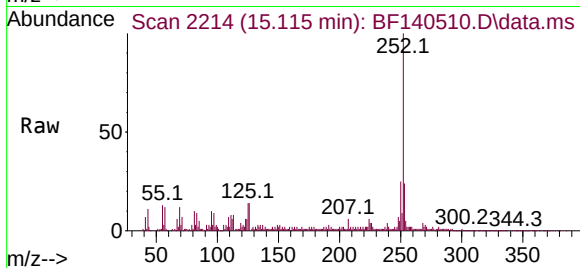
Tgt Ion:252 Resp: 73990
 Ion Ratio Lower Upper
 252 100
 253 24.3 17.3 25.9
 125 14.0 7.4 11.2

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#90

Benzo(a)pyrene

Concen: 16.342 ng

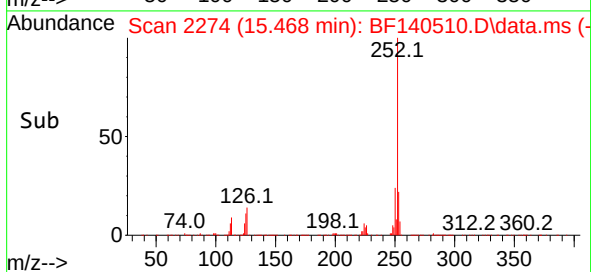
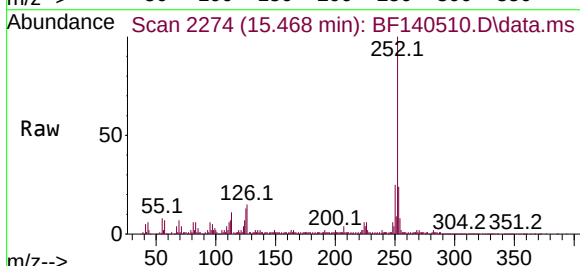
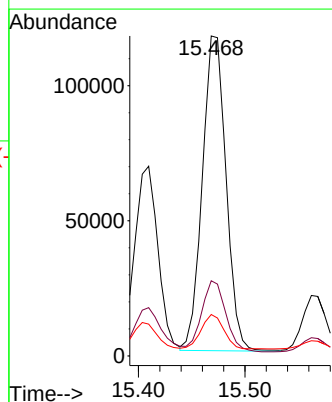
RT: 15.468 min Scan# 2274

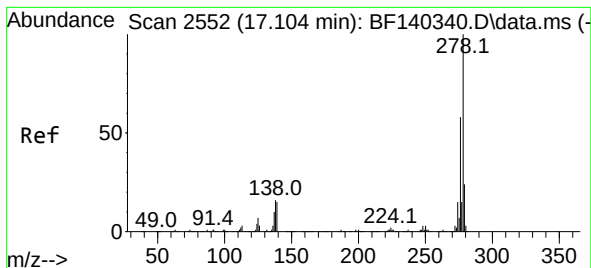
Delta R.T. -0.024 min

Lab File: BF140510.D

Acq: 20 Nov 2024 20:02

Tgt Ion:252 Resp: 180490
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.8 26.6
 125 13.0 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 2.066 ng

RT: 17.039 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF140510.D

Acq: 20 Nov 2024 20:02

Instrument :

BNA_F

ClientSampleId :

WB-310-TOP

Tgt Ion:278 Resp: 22934

Ion Ratio Lower Upper

278 100

139 22.3 11.8 17.8

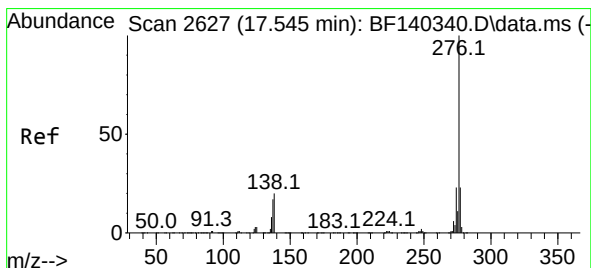
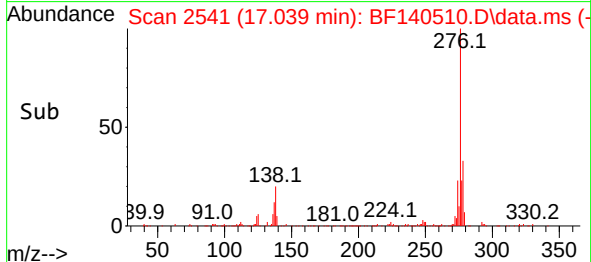
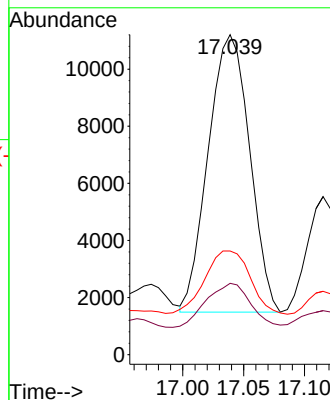
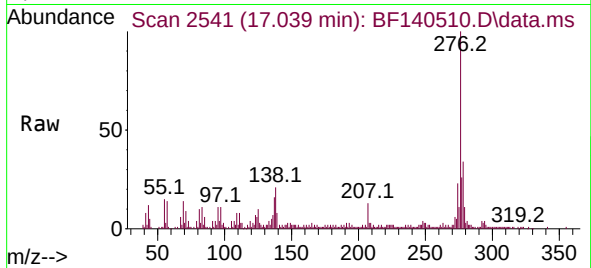
279 32.4 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#92

Benzo(g,h,i)perylene

Concen: 5.682 ng

RT: 17.486 min Scan# 2617

Delta R.T. -0.030 min

Lab File: BF140510.D

Acq: 20 Nov 2024 20:02

Tgt Ion:276 Resp: 64491

Ion Ratio Lower Upper

276 100

277 26.2 18.6 28.0

138 22.3 16.0 24.0

