

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
 Data File : BF140170.D
 Acq On : 30 Oct 2024 20:51
 Operator : RC/JU
 Sample : P4613-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ARS20-0001

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/04/2024
 Supervised By :mohammad ahmed 11/04/2024

Quant Time: Nov 01 02:19:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	109278	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	407389	20.000	ng	#-0.01
39) Acenaphthene-d10	10.051	164	113891	20.000	ng	# 0.12
64) Phenanthrene-d10	11.610	188	70168	20.000	ng	# 0.19
76) Chrysene-d12	14.245	240	184338	20.000	ng	# 0.19
86) Perylene-d12	15.721	264	171326	20.000	ng	0.19
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	440472	63.101	ng	0.00
7) Phenol-d6	6.504	99	561191	62.073	ng	0.00
23) Nitrobenzene-d5	7.445	82	369366	50.251	ng	0.00
42) 2,4,6-Tribromophenol	10.875	330	34888	32.749	ng	0.16
45) 2-Fluorobiphenyl	9.304	172	516476	74.947	ng	0.05
79) Terphenyl-d14	13.186	244	314315	27.784	ng	0.19
Target Compounds						Qvalue
15) Benzyl Alcohol	7.016	79	89462	13.490	ng	97
78) Pyrene	13.063	202	244483	15.152	ng	# 58
81) Benzo(a)anthracene	14.251	228	177463m	14.789	ng	
83) Chrysene	14.263	228	220200m	20.014	ng	
84) Bis(2-ethylhexyl)phtha...	14.186	149	155630	28.675	ng	# 72
87) Indeno(1,2,3-cd)pyrene	17.192	276	106818m	9.691	ng	
88) Benzo(b)fluoranthene	15.292	252	197864m	18.959	ng	
89) Benzo(k)fluoranthene	15.292	252	168326m	18.702	ng	
90) Benzo(a)pyrene	15.657	252	171264	19.944	ng	# 75
91) Dibenzo(a,h)anthracene	17.198	278	28536m	3.104	ng	
92) Benzo(g,h,i)perylene	17.639	276	92753	10.099	ng	98

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

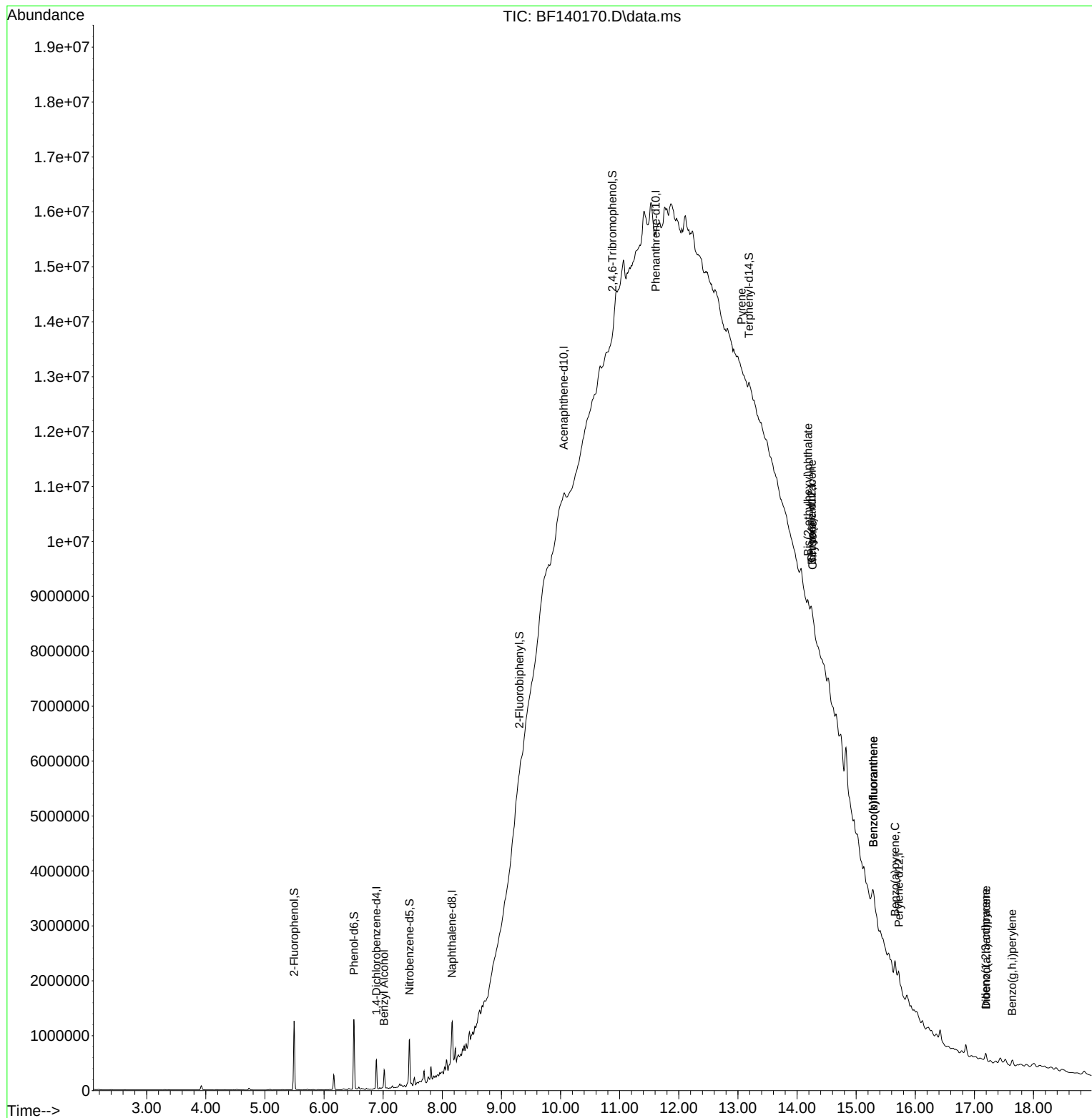
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140170.D
Acq On : 30 Oct 2024 20:51
Operator : RC/JU
Sample : P4613-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

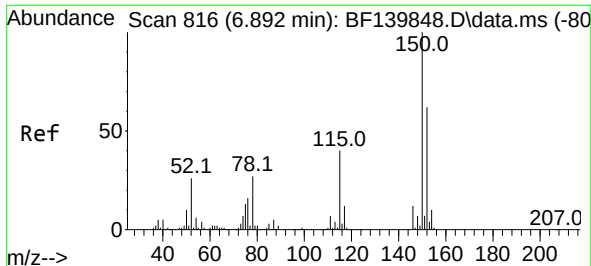
Instrument :
BNA_F
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ARS20-0001

Quant Time: Nov 01 02:19:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
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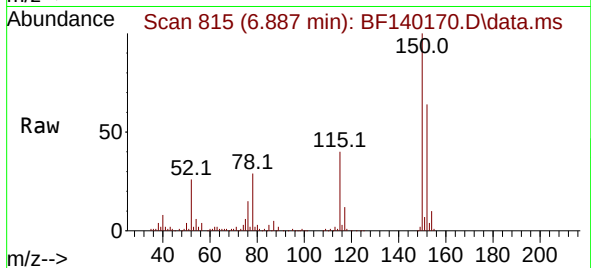
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140170.D
Acq: 30 Oct 2024 20:51

Instrument :

BNA_F

ClientSampleId :

ARS20-0001

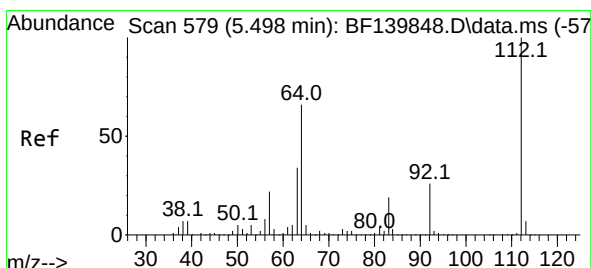
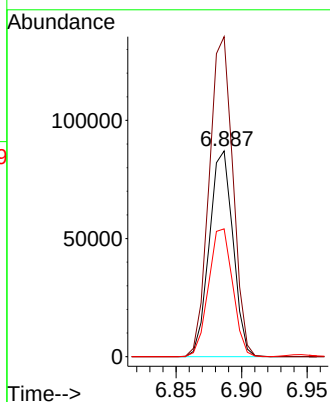
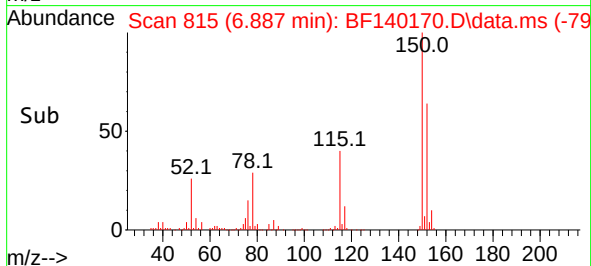


Tgt Ion:152 Resp: 109278
Ion Ratio Lower Upper
152 100
150 155.5 130.2 195.2
115 62.2 51.4 77.2

Manual Integrations

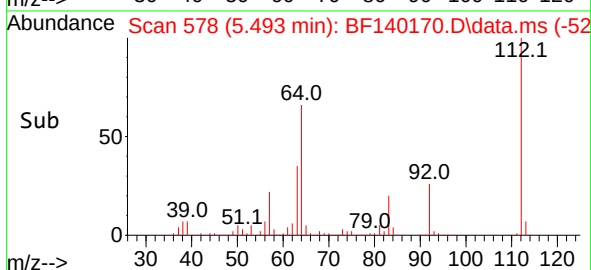
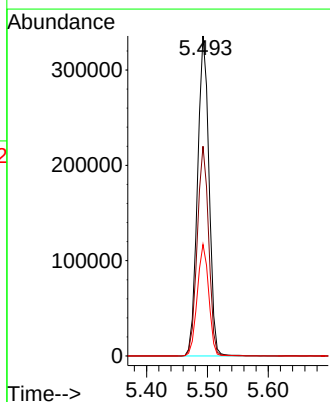
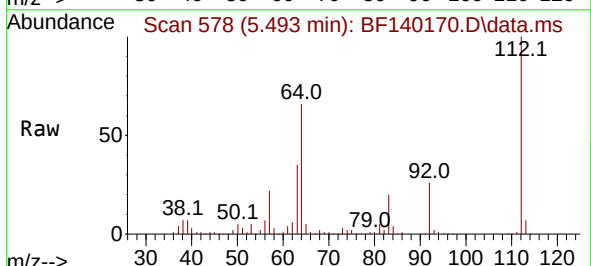
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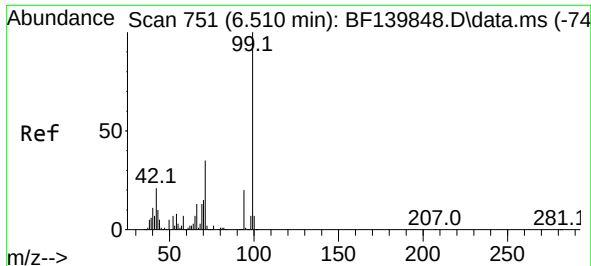
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#5
2-Fluorophenol
Concen: 63.101 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140170.D
Acq: 30 Oct 2024 20:51

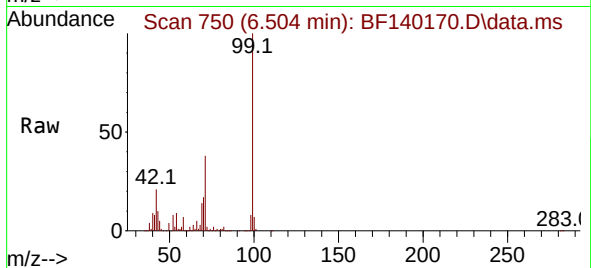
Tgt Ion:112 Resp: 440472
Ion Ratio Lower Upper
112 100
64 65.6 53.0 79.6
63 34.8 27.0 40.4





#7
Phenol-d6
Concen: 62.073 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140170.D
Acq: 30 Oct 2024 20:51

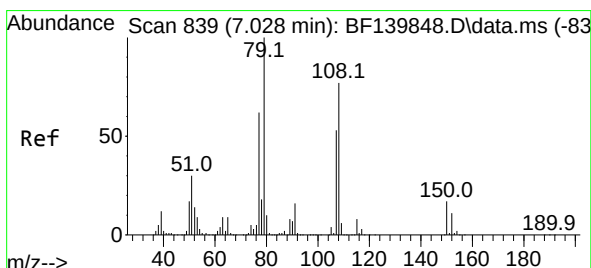
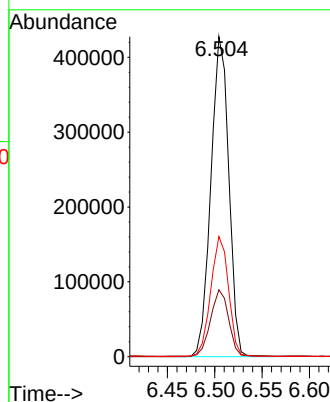
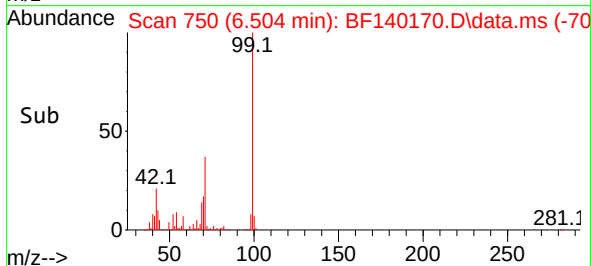
Instrument :
BNA_F
ClientSampleId :
ARS20-0001



Tgt Ion: 99 Resp: 56119
Ion Ratio Lower Upper
99 100
42 20.9 16.7 25.1
71 37.5 27.7 41.5

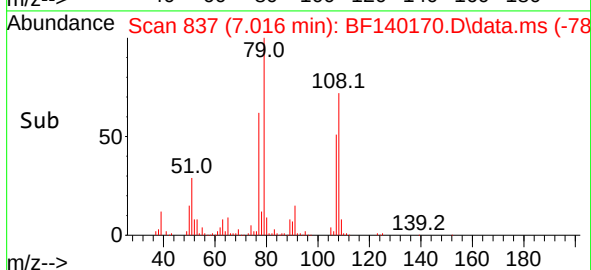
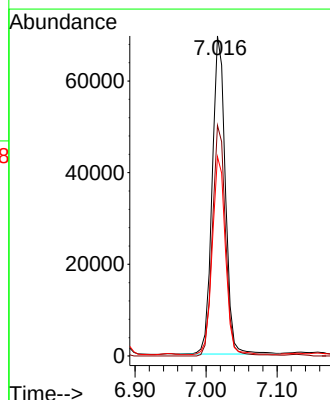
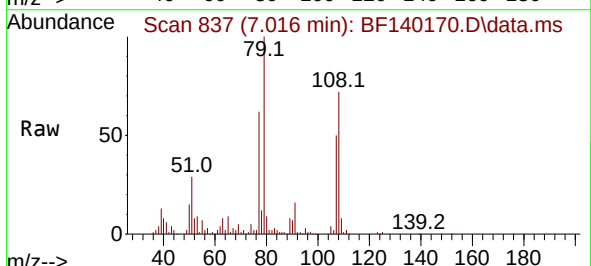
Manual Integrations
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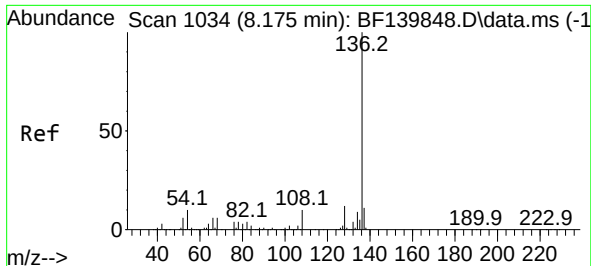
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#15
Benzyl Alcohol
Concen: 13.490 ng
RT: 7.016 min Scan# 837
Delta R.T. -0.012 min
Lab File: BF140170.D
Acq: 30 Oct 2024 20:51

Tgt Ion: 79 Resp: 89462
Ion Ratio Lower Upper
79 100
108 72.0 61.4 92.0
77 62.3 49.9 74.9





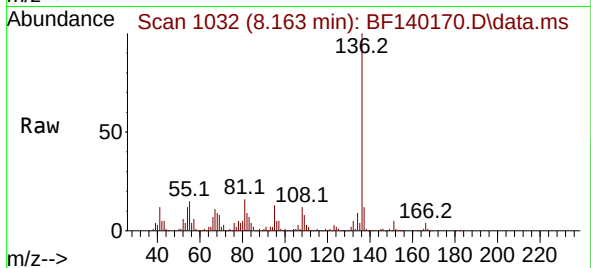
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF140170.D
Acq: 30 Oct 2024 20:51

Instrument :

BNA_F

ClientSampleId :

ARS20-0001

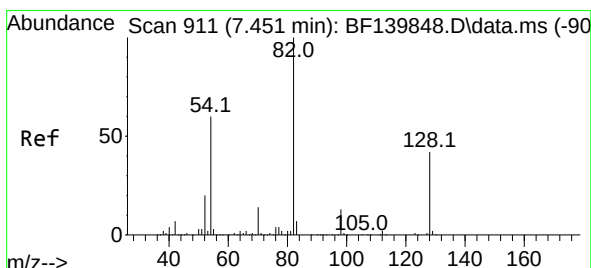
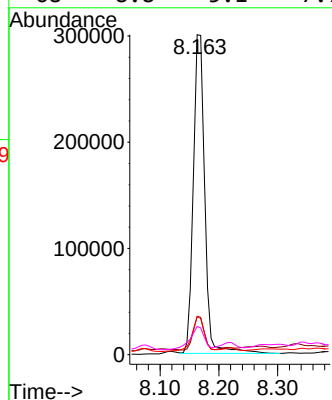
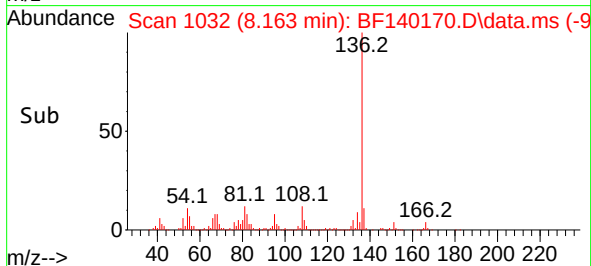


Tgt Ion:136 Resp: 407389
Ion Ratio Lower Upper
136 100
137 12.0 8.6 12.8
54 11.9 8.4 12.6
68 8.8 5.1 7.7#

Manual Integrations

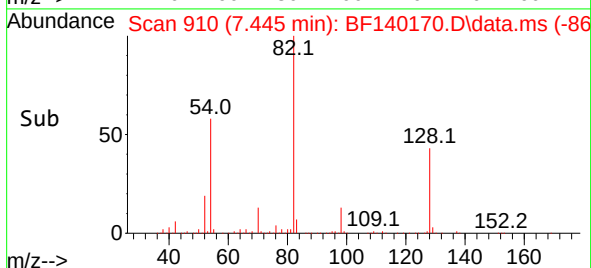
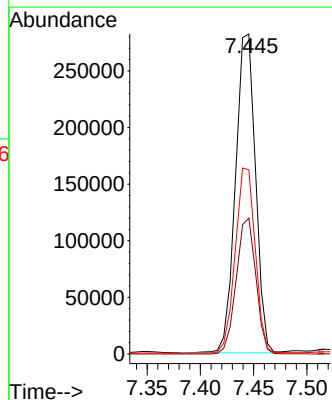
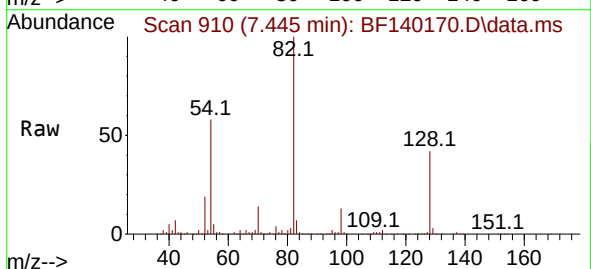
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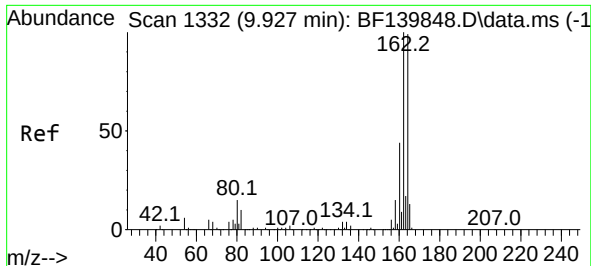
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#23
Nitrobenzene-d5
Concen: 50.251 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140170.D
Acq: 30 Oct 2024 20:51

Tgt Ion: 82 Resp: 369366
Ion Ratio Lower Upper
82 100
128 42.4 33.4 50.0
54 57.6 47.8 71.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.051 min Scan# 11
Delta R.T. 0.124 min
Lab File: BF140170.D
Acq: 30 Oct 2024 20:51

Instrument :

BNA_F

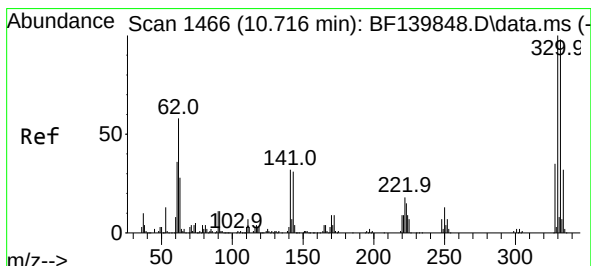
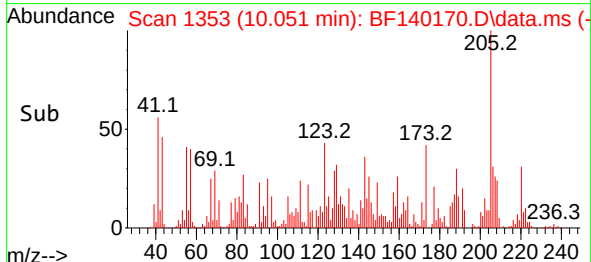
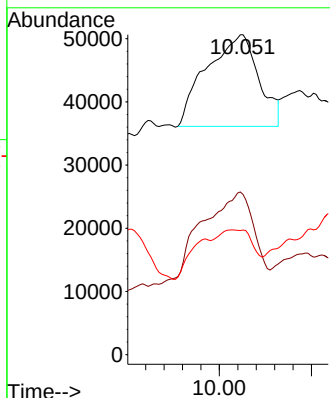
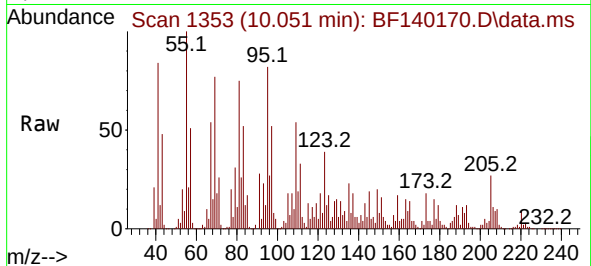
ClientSampleId :

ARS20-0001

Tgt Ion:164 Resp: 11389
Ion Ratio Lower Upper
164 100
162 50.1 81.0 121.4#
160 38.9 35.4 53.0

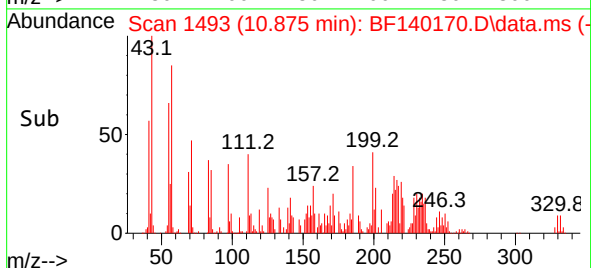
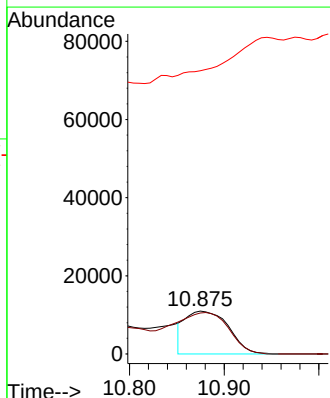
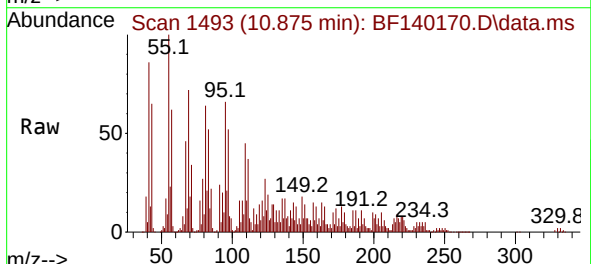
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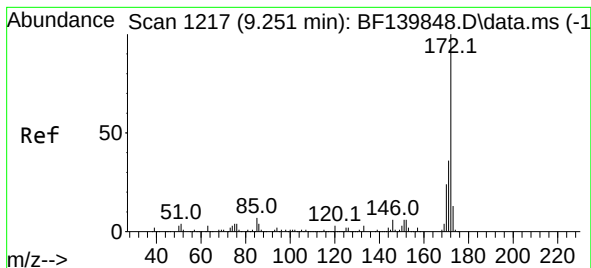
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#42
2,4,6-Tribromophenol
Concen: 32.749 ng
RT: 10.875 min Scan# 1493
Delta R.T. 0.159 min
Lab File: BF140170.D
Acq: 30 Oct 2024 20:51

Tgt Ion:330 Resp: 34888
Ion Ratio Lower Upper
330 100
332 119.9 78.1 117.1#
141 0.0 26.6 39.8#





#45
2-Fluorobiphenyl
Concen: 74.947 ng
RT: 9.304 min Scan# 11
Delta R.T. 0.053 min
Lab File: BF140170.D
Acq: 30 Oct 2024 20:51

Instrument :

BNA_F

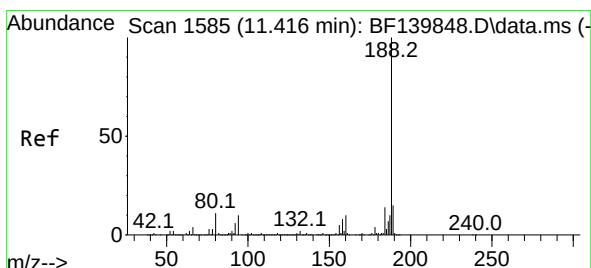
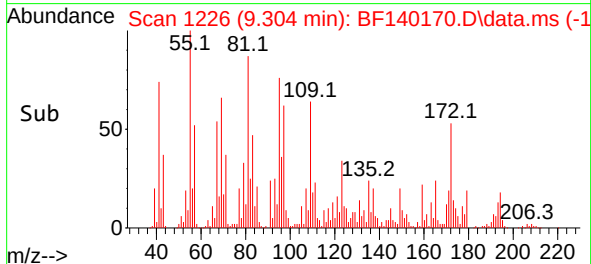
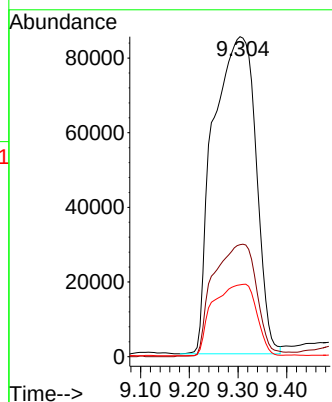
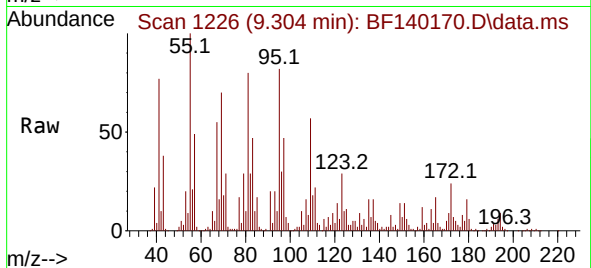
ClientSampleId :

ARS20-0001

Tgt Ion:172 Resp: 516470
Ion Ratio Lower Upper
172 100
171 35.0 28.6 43.0
170 22.5 19.1 28.7

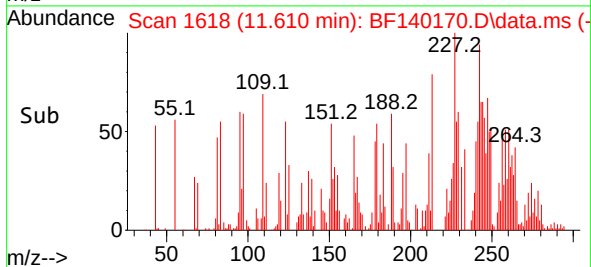
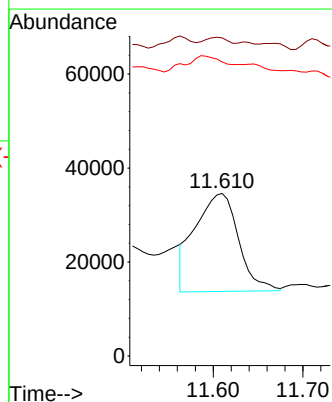
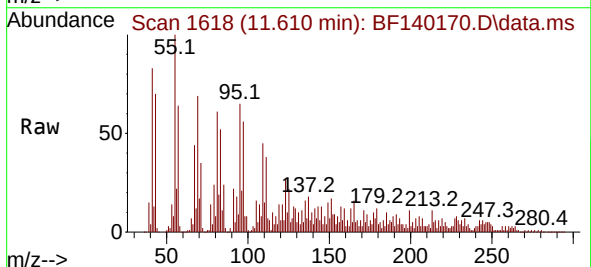
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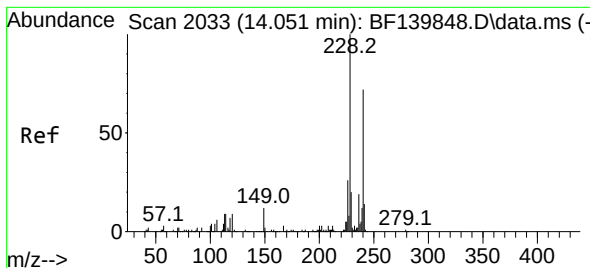
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.610 min Scan# 1618
Delta R.T. 0.194 min
Lab File: BF140170.D
Acq: 30 Oct 2024 20:51

Tgt Ion:188 Resp: 70168
Ion Ratio Lower Upper
188 100
94 195.6 7.9 11.9#
80 180.9 9.0 13.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.245 min Scan# 2033

Delta R.T. 0.194 min

Lab File: BF140170.D

Acq: 30 Oct 2024 20:51

Instrument :

BNA_F

ClientSampleId :

ARS20-0001

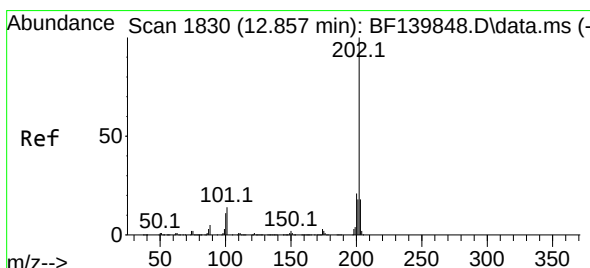
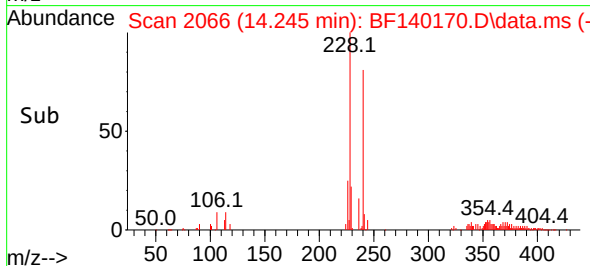
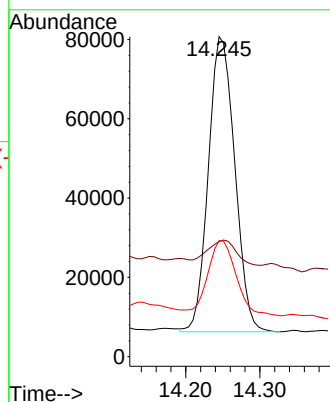
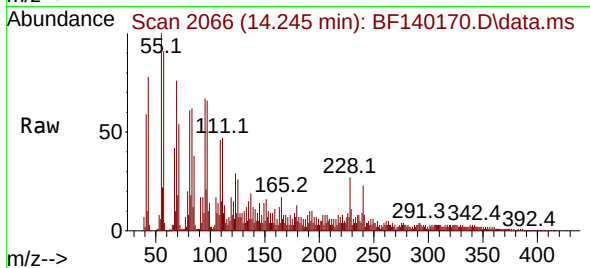
Tgt Ion:240 Resp: 184338
 Ion Ratio Lower Upper
 240 100
 120 36.0 9.4 14.2
 236 36.2 20.9 31.3

Manual Integrations

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Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#78

Pyrene

Concen: 15.152 ng

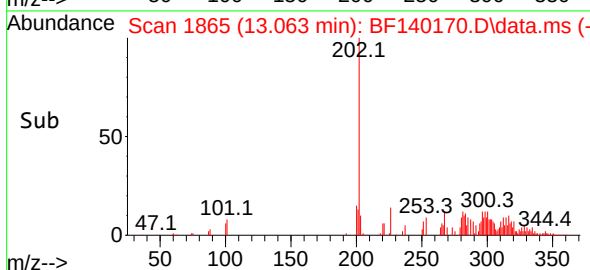
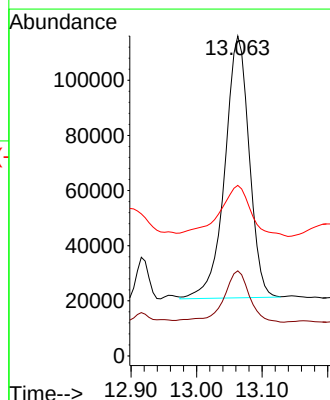
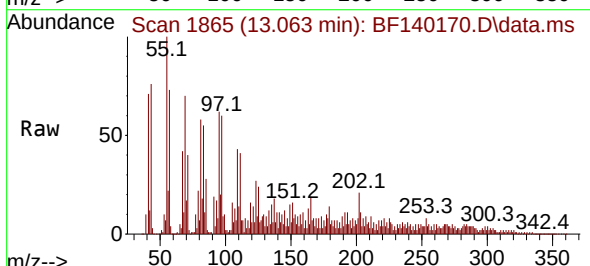
RT: 13.063 min Scan# 1865

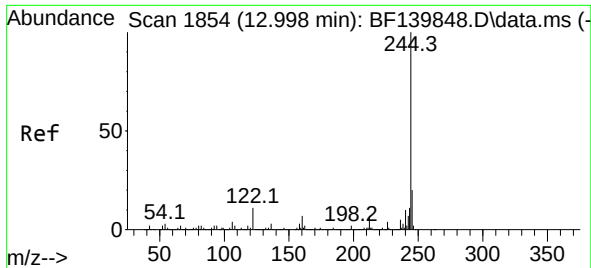
Delta R.T. 0.206 min

Lab File: BF140170.D

Acq: 30 Oct 2024 20:51

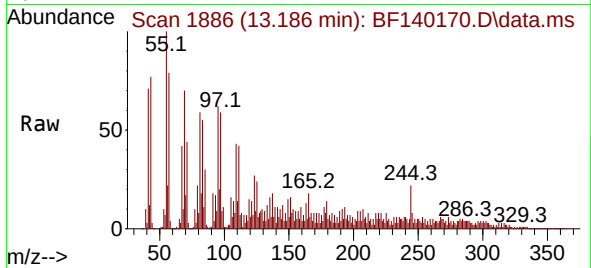
Tgt Ion:202 Resp: 244483
 Ion Ratio Lower Upper
 202 100
 200 26.6 17.2 25.8#
 203 53.3 14.2 21.4#





#79
 Terphenyl-d14
 Concen: 27.784 ng
 RT: 13.186 min Scan# 11
 Delta R.T. 0.188 min
 Lab File: BF140170.D
 Acq: 30 Oct 2024 20:51

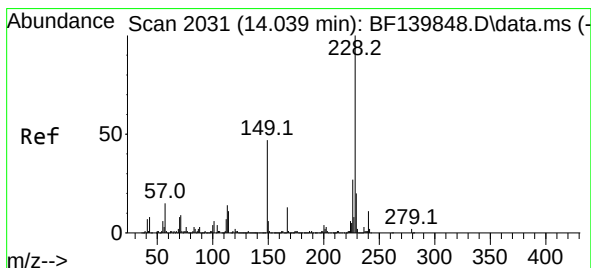
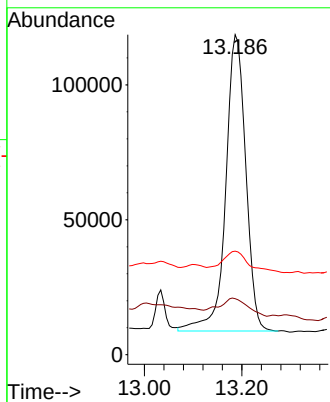
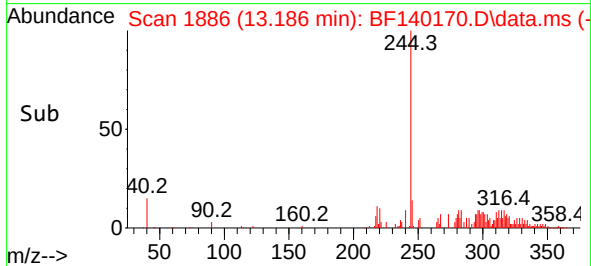
Instrument :
 BNA_F
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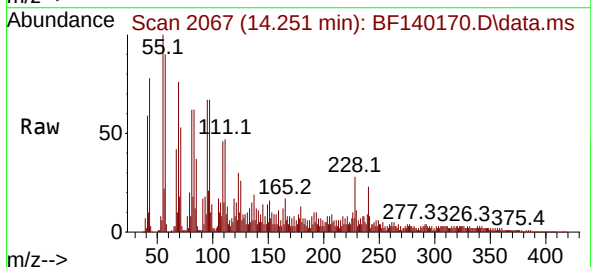
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 Ion Ratio Lower Upper
 244 100
 212 17.5 5.7 8.5#
 122 32.3 8.6 13.0#

Manual Integrations
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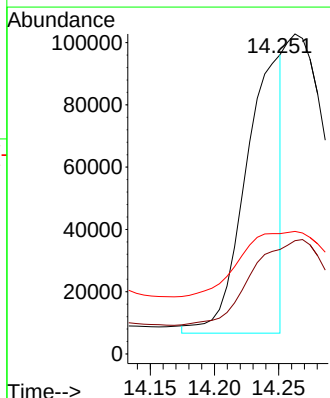
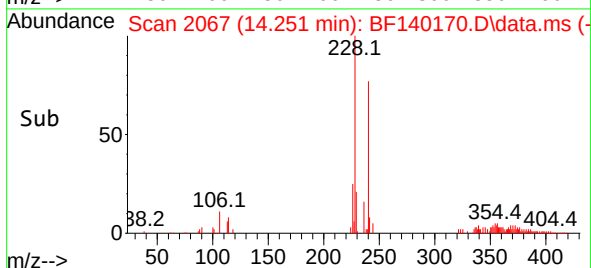
Reviewed By :Yogesh Patel 11/04/2024
 Supervised By :mohammad ahmed 11/04/2024

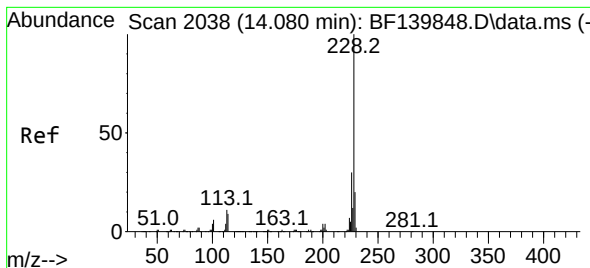


#81
 Benzo(a)anthracene
 Concen: 14.789 ng m
 RT: 14.251 min Scan# 2067
 Delta R.T. 0.212 min
 Lab File: BF140170.D
 Acq: 30 Oct 2024 20:51



Tgt Ion:228 Resp: 177463
 Ion Ratio Lower Upper
 228 100
 226 35.0 21.6 32.4#
 229 40.2 16.1 24.1#





#83

Chrysene

Concen: 20.014 ng m

RT: 14.263 min Scan# 20

Delta R.T. 0.183 min

Lab File: BF140170.D

Acq: 30 Oct 2024 20:51

Instrument :

BNA_F

ClientSampleId :

ARS20-0001

Tgt Ion:228 Resp: 220200

Ion Ratio Lower Upper

228 100

226 35.4 24.1 36.1

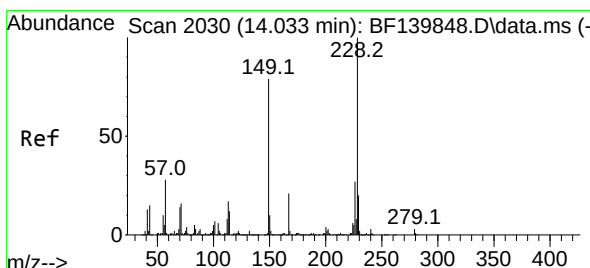
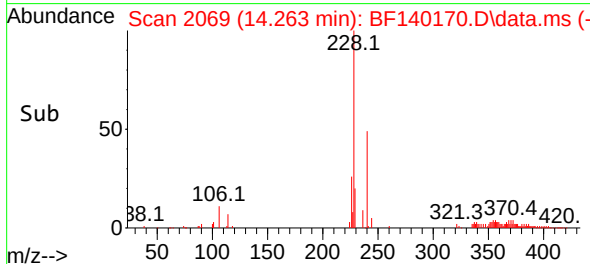
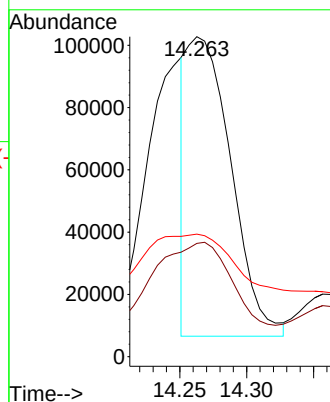
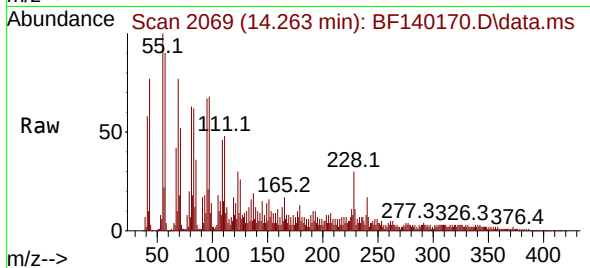
229 38.3 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 28.675 ng

RT: 14.186 min Scan# 2056

Delta R.T. 0.153 min

Lab File: BF140170.D

Acq: 30 Oct 2024 20:51

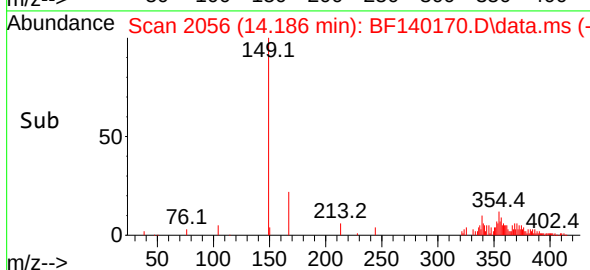
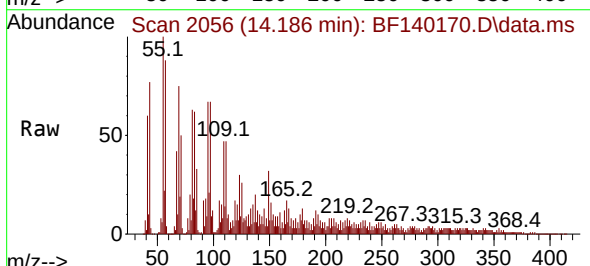
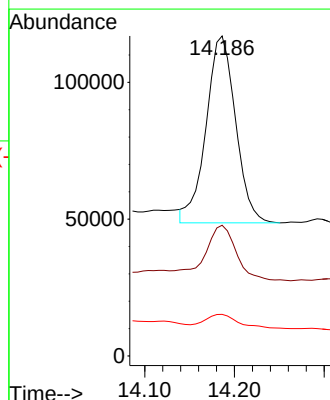
Tgt Ion:149 Resp: 155630

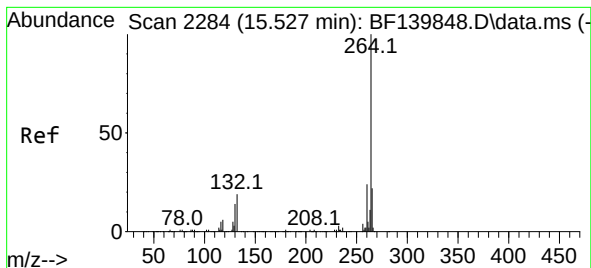
Ion Ratio Lower Upper

149 100

167 40.8 21.4 32.0#

279 13.0 3.0 4.4#





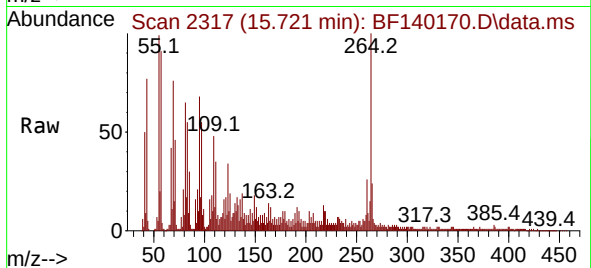
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.721 min Scan# 21
Delta R.T. 0.194 min
Lab File: BF140170.D
Acq: 30 Oct 2024 20:51

Instrument :

BNA_F

ClientSampleId :

ARS20-0001



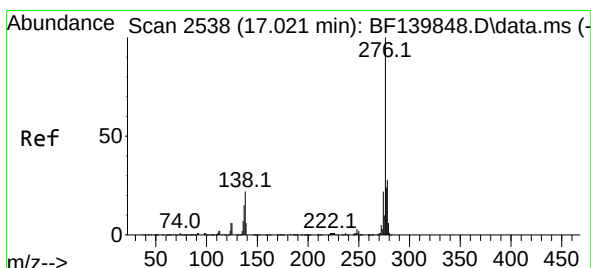
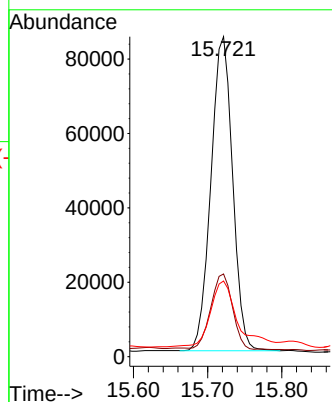
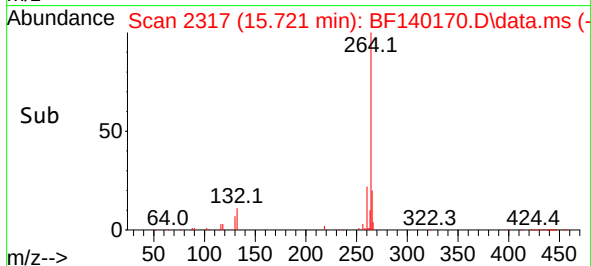
Tgt Ion:264 Resp: 171320
Ion Ratio Lower Upper
264 100
260 25.9 19.4 29.2
265 23.6 17.4 26.0

Manual Integrations

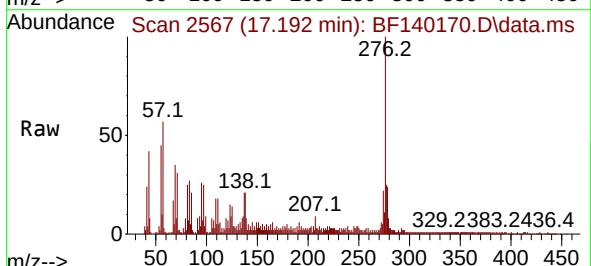
APPROVED

Reviewed By :Yogesh Patel 11/04/2024

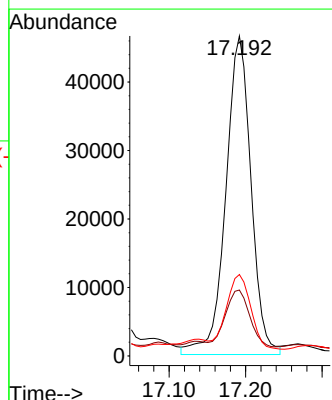
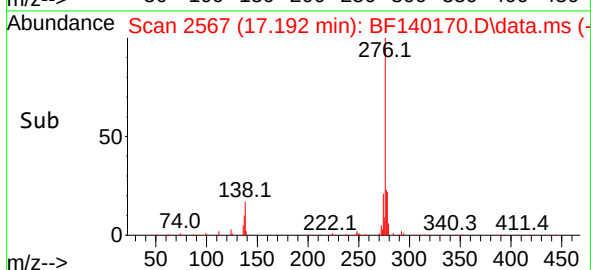
Supervised By :mohammad ahmed 11/04/2024

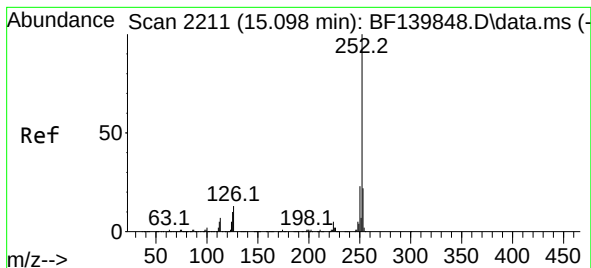


#87
Indeno(1,2,3-cd)pyrene
Concen: 9.691 ng m
RT: 17.192 min Scan# 2567
Delta R.T. 0.171 min
Lab File: BF140170.D
Acq: 30 Oct 2024 20:51



Tgt Ion:276 Resp: 106818
Ion Ratio Lower Upper
276 100
138 3.5 20.4 30.6#
277 4.6 20.2 30.4#





#88

Benzo(b)fluoranthene

Concen: 18.959 ng m

RT: 15.292 min Scan# 2211

Delta R.T. 0.194 min

Lab File: BF140170.D

Acq: 30 Oct 2024 20:51

Instrument :

BNF

ClientSampleId :

ARS20-0001

Tgt Ion:252 Resp: 197864

Ion Ratio Lower Upper

252 100

253 29.8 17.6 26.4#

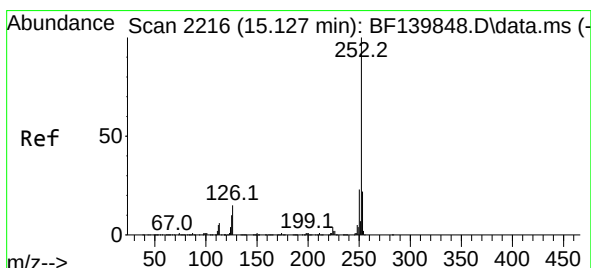
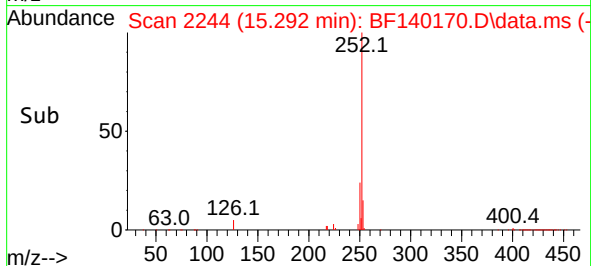
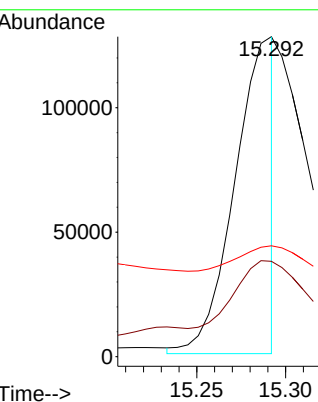
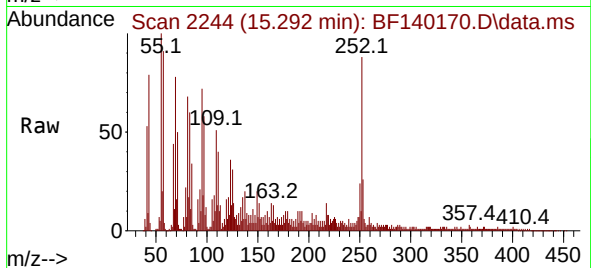
125 34.6 7.9 11.9#

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#89

Benzo(k)fluoranthene

Concen: 18.702 ng m

RT: 15.292 min Scan# 2244

Delta R.T. 0.165 min

Lab File: BF140170.D

Acq: 30 Oct 2024 20:51

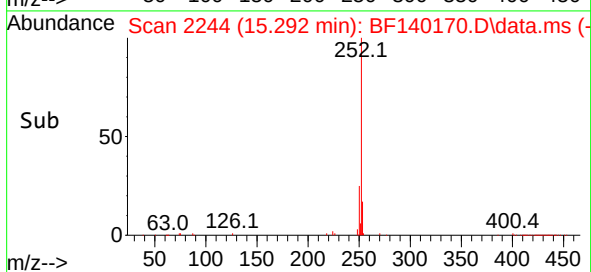
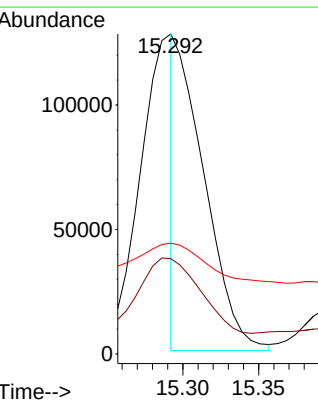
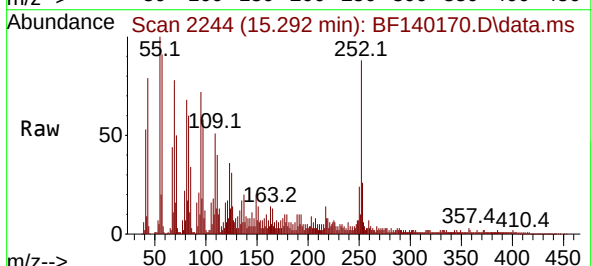
Tgt Ion:252 Resp: 168326

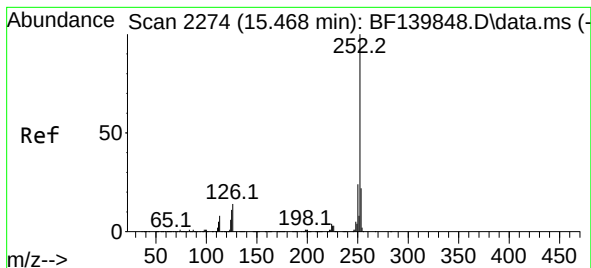
Ion Ratio Lower Upper

252 100

253 29.8 17.6 26.4#

125 34.6 7.9 11.9#





#90

Benzo(a)pyrene

Concen: 19.944 ng

RT: 15.657 min Scan# 21

Delta R.T. 0.188 min

Lab File: BF140170.D

Acq: 30 Oct 2024 20:51

Instrument :

BNF

ClientSampleId :

ARS20-0001

Tgt Ion:252 Resp: 171264

Ion Ratio Lower Upper

252 100

253 26.7 17.3 25.9

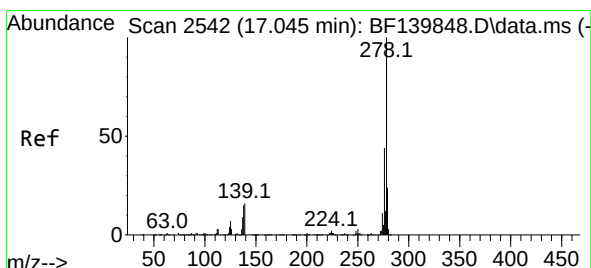
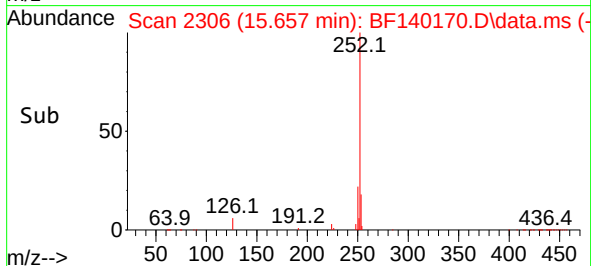
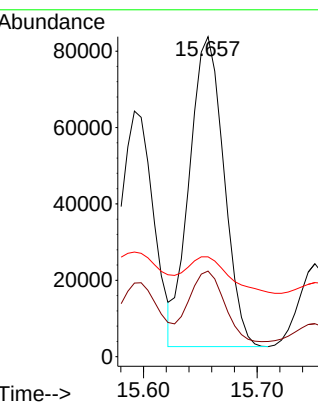
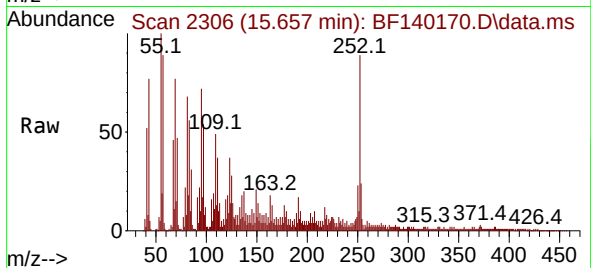
125 31.2 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#91

Dibenzo(a,h)anthracene

Concen: 3.104 ng m

RT: 17.198 min Scan# 2568

Delta R.T. 0.153 min

Lab File: BF140170.D

Acq: 30 Oct 2024 20:51

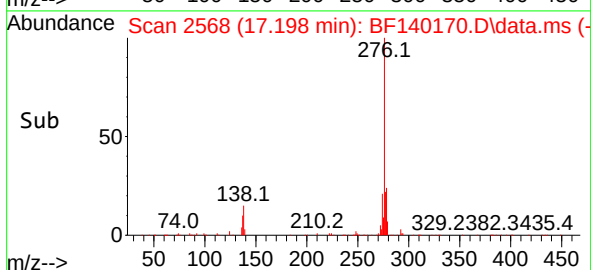
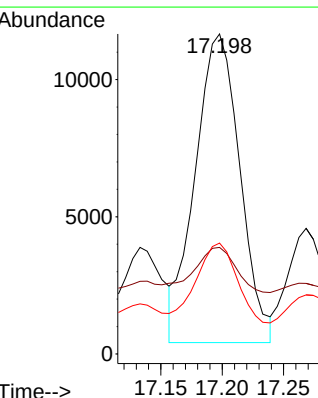
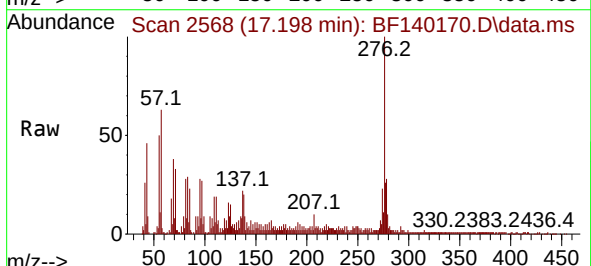
Tgt Ion:278 Resp: 28536

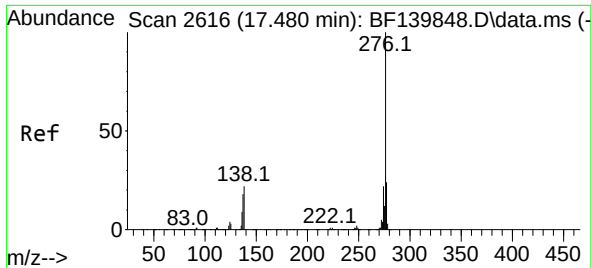
Ion Ratio Lower Upper

278 100

139 33.3 13.1 19.7#

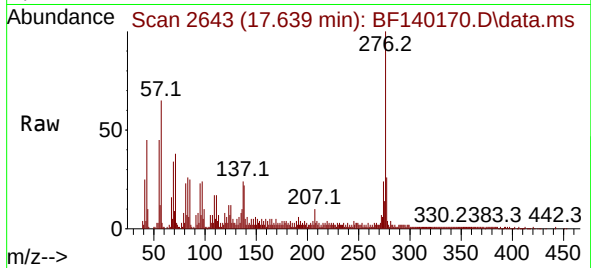
279 34.7 19.0 28.4#





#92
 Benzo(g,h,i)perylene
 Concen: 10.099 ng
 RT: 17.639 min Scan# 20
 Delta R.T. 0.159 min
 Lab File: BF140170.D
 Acq: 30 Oct 2024 20:51

Instrument :
 BNA_F
 ClientSampleId :
 ARS20-0001



Tgt Ion: 276 Resp: 9275

Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.0	28.6
138	21.6	17.4	26.0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/04/2024
 Supervised By :mohammad ahmed 11/04/2024

