

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
 Data File : BF140172.D
 Acq On : 30 Oct 2024 21:44
 Operator : RC/JU
 Sample : P4619-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-102924

Manual Integrations
 APPROVED

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

Quant Time: Oct 31 11:57:29 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	67973	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	230496	20.000	ng	-0.01
39) Acenaphthene-d10	9.928	164	111816	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	206487	20.000	ng	0.00
76) Chrysene-d12	14.074	240	149203	20.000	ng	0.02
86) Perylene-d12	15.586	264	109526	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	386239	88.955	ng	0.00
7) Phenol-d6	6.504	99	459716	81.748	ng	0.00
23) Nitrobenzene-d5	7.440	82	294987	70.931	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	102911	98.395	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	475352	70.259	ng	-0.01
79) Terphenyl-d14	13.010	244	541686	59.159	ng	0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.786	152	69426	7.660	ng	99
52) Acenaphthene	9.957	154	23697	4.042	ng	98
55) Dibenzofuran	10.128	168	24070	2.861	ng	# 93
58) Fluorene	10.475	166	57779	9.018	ng	99
71) Phenanthrene	11.445	178	548319	56.217	ng	100
72) Anthracene	11.492	178	179803	18.894	ng	98
73) Carbazole	11.645	167	37754	4.266	ng	99
75) Fluoranthene	12.645	202	998007	101.217	ng	98
78) Pyrene	12.874	202	977292	74.830	ng	99
81) Benzo(a)anthracene	14.069	228	502436	51.730	ng	94
83) Chrysene	14.104	228	391420	43.954	ng	97
87) Indeno(1,2,3-cd)pyrene	17.115	276	191309	27.151	ng	95
88) Benzo(b)fluoranthene	15.145	252	460087m	68.959	ng	
89) Benzo(k)fluoranthene	15.163	252	145118m	25.221	ng	
90) Benzo(a)pyrene	15.521	252	326644	59.500	ng	97
91) Dibenzo(a,h)anthracene	17.127	278	43228	7.354	ng	# 89
92) Benzo(g,h,i)perylene	17.586	276	193885	33.022	ng	97

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

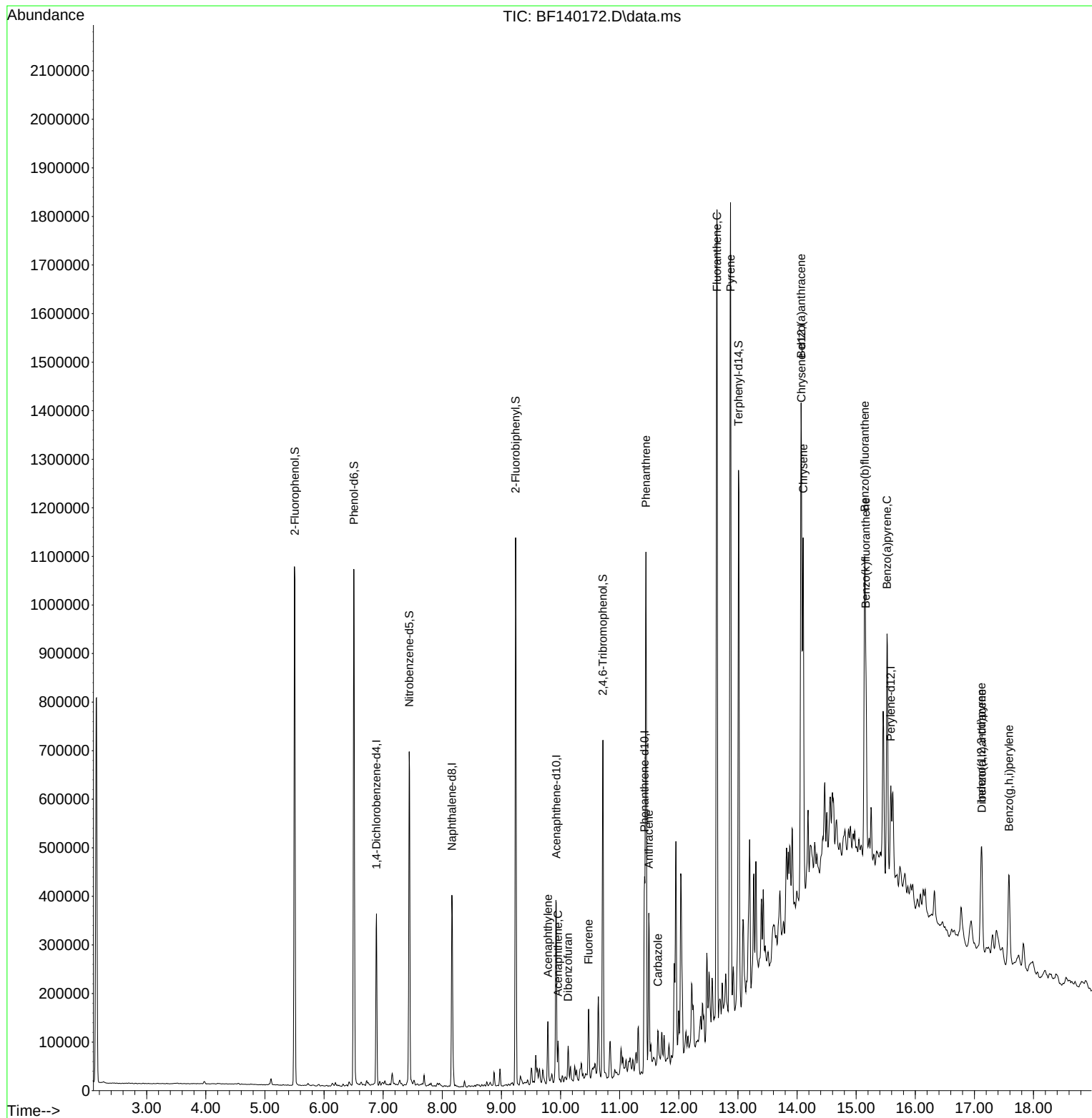
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140172.D
Acq On : 30 Oct 2024 21:44
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ALS Vial : 22 Sample Multiplier: 1

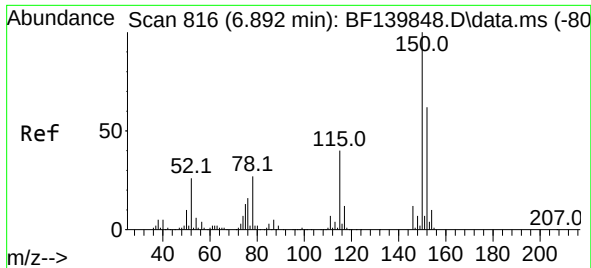
Instrument :
BNA_F
ClientSampleId :
SU-03-102924

Quant Time: Oct 31 11:57:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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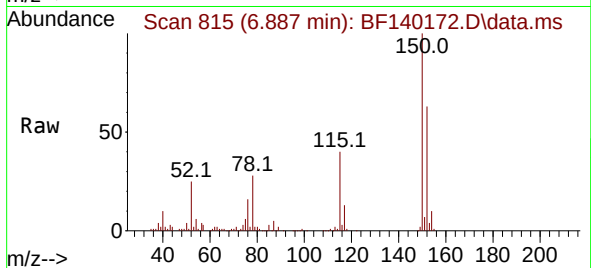
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140172.D
Acq: 30 Oct 2024 21:44

Instrument :

BNA_F

ClientSampleId :

SU-03-102924



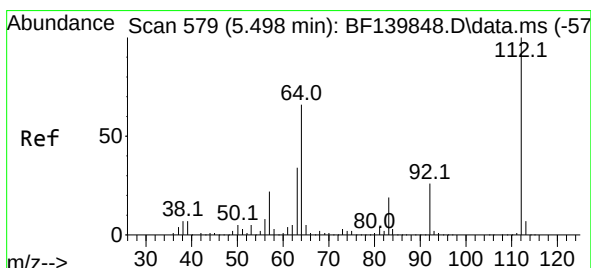
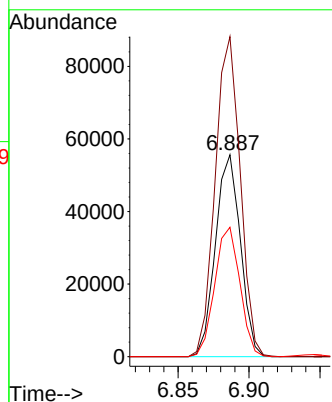
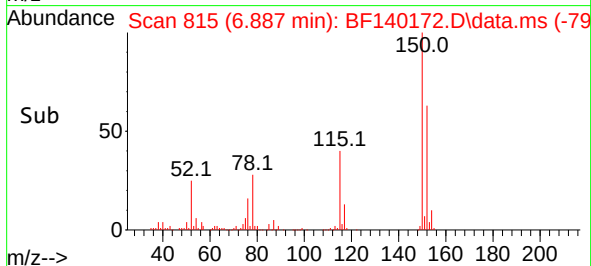
Tgt Ion:152 Resp: 67972
Ion Ratio Lower Upper
152 100
150 158.4 130.2 195.2
115 64.1 51.4 77.2

Manual Integrations

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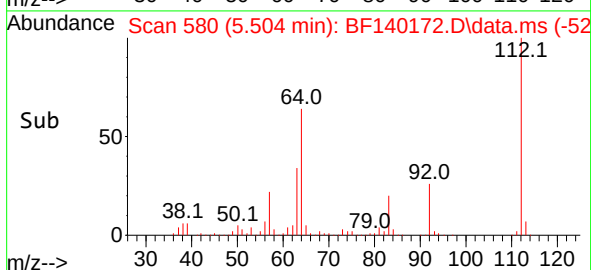
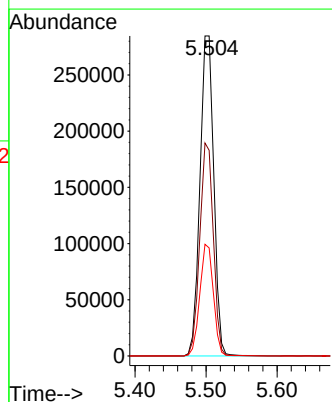
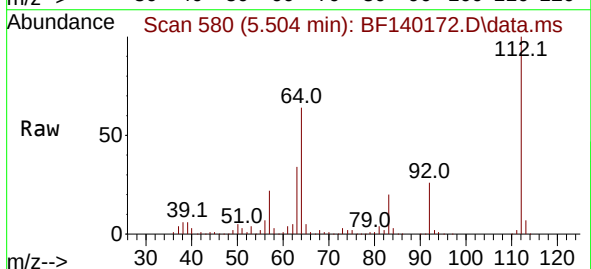
Reviewed By :Yogesh Patel 11/04/2024

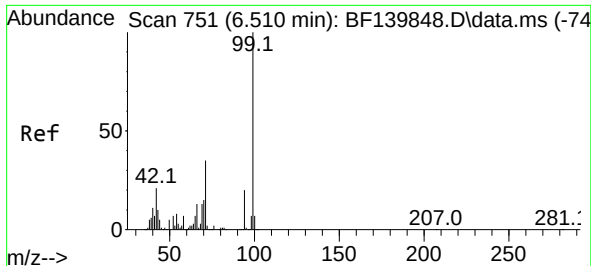
Supervised By :mohammad ahmed 11/04/2024



#5
2-Fluorophenol
Concen: 88.955 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140172.D
Acq: 30 Oct 2024 21:44

Tgt Ion:112 Resp: 386239
Ion Ratio Lower Upper
112 100
64 64.3 53.0 79.6
63 33.7 27.0 40.4





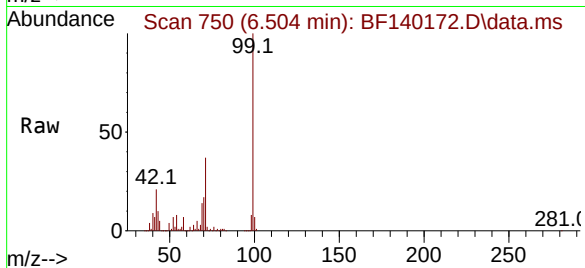
#7
Phenol-d6
Concen: 81.748 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140172.D
Acq: 30 Oct 2024 21:44

Instrument :

BNA_F

ClientSampleId :

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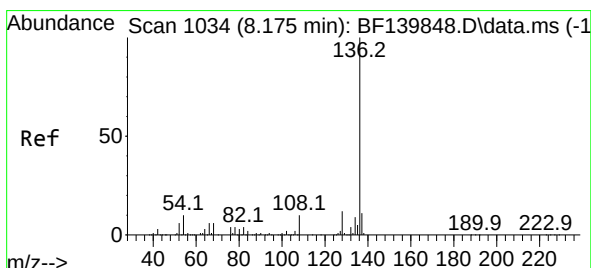
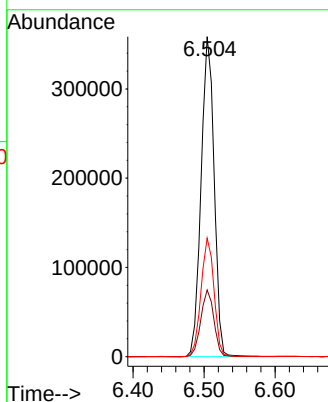
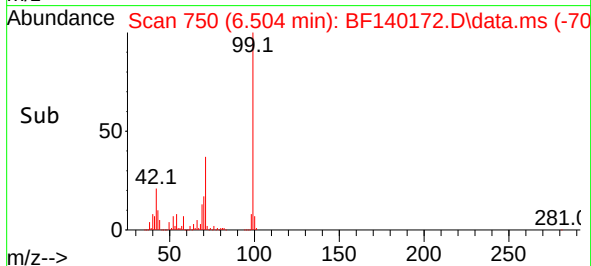
Tgt Ion: 99 Resp: 459710
Ion Ratio Lower Upper
99 100
42 20.9 16.7 25.1
71 37.1 27.7 41.5

Manual Integrations

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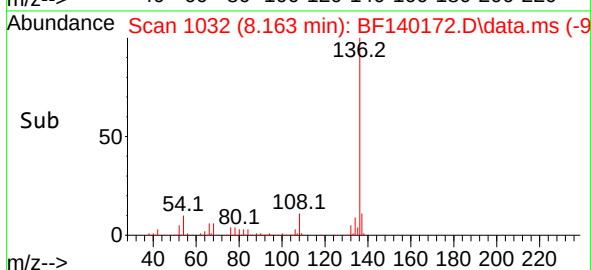
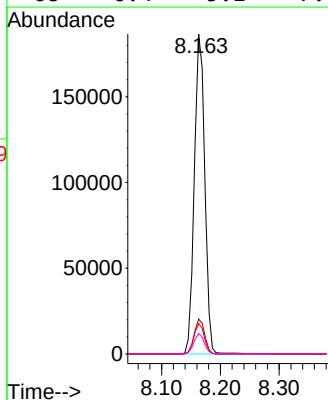
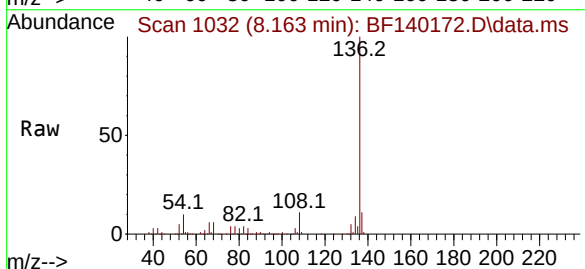
Reviewed By :Yogesh Patel 11/04/2024

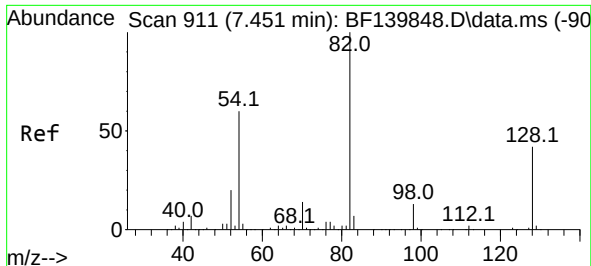
Supervised By :mohammad ahmed 11/04/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF140172.D
Acq: 30 Oct 2024 21:44

Tgt Ion:136 Resp: 230496
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 9.5 8.4 12.6
68 6.4 5.1 7.7





#23

Nitrobenzene-d5

Concen: 70.931 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF140172.D

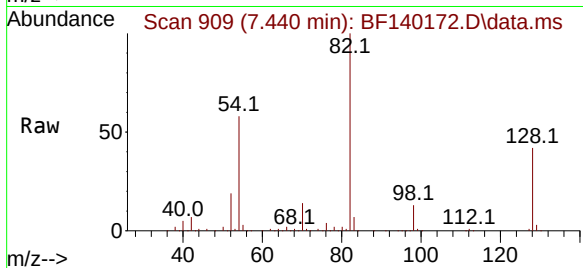
Acq: 30 Oct 2024 21:44

Instrument :

BNA_F

ClientSampleId :

SU-03-102924



Tgt Ion: 82 Resp: 29498

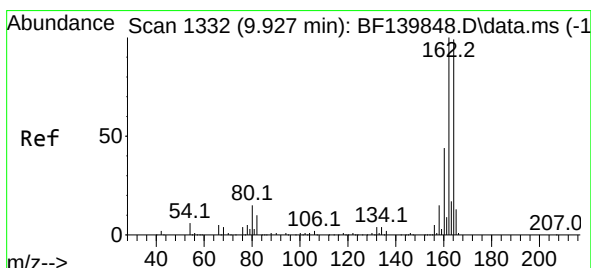
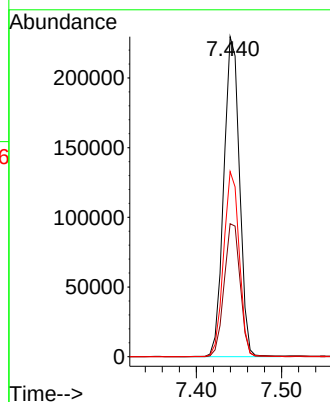
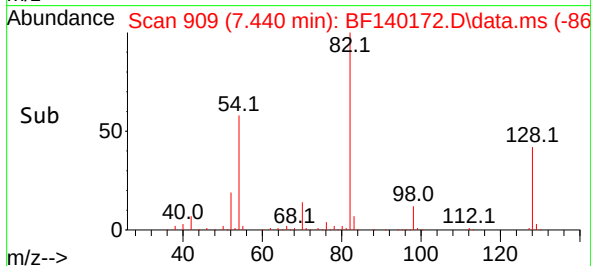
Ion	Ratio	Lower	Upper
82	100		
128	41.6	33.4	50.0
54	57.9	47.8	71.8

Manual Integrations

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Supervised By :mohammad ahmed 11/04/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1332

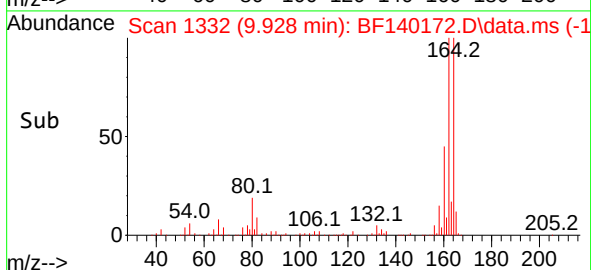
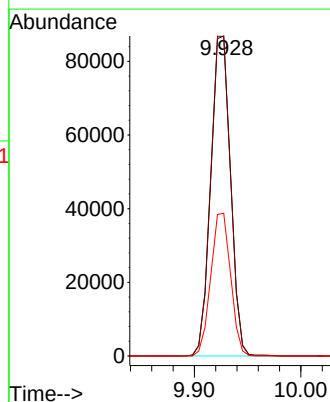
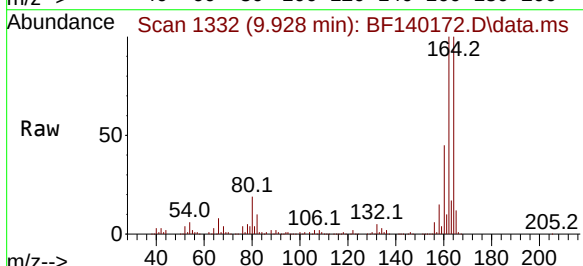
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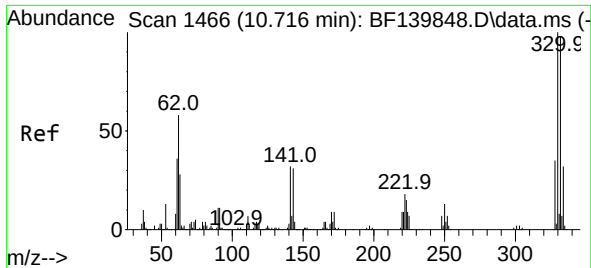
Lab File: BF140172.D

Acq: 30 Oct 2024 21:44

Tgt Ion:164 Resp: 111816

Ion	Ratio	Lower	Upper
164	100		
162	99.8	81.0	121.4
160	44.6	35.4	53.0





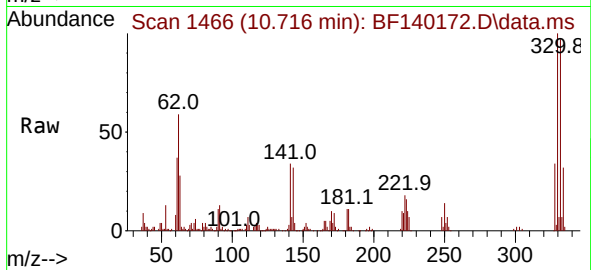
#42
2,4,6-Tribromophenol
Concen: 98.395 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF140172.D
Acq: 30 Oct 2024 21:44

Instrument :

BNA_F

ClientSampleId :

SU-03-102924



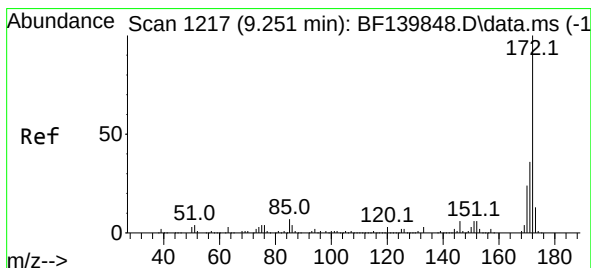
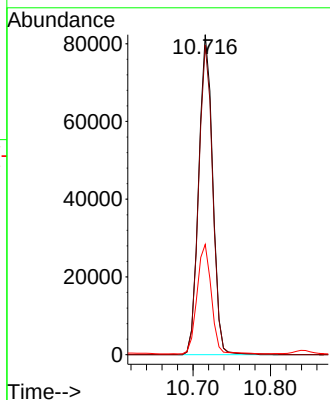
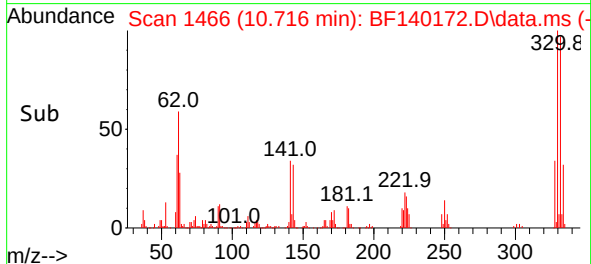
Tgt Ion:330 Resp: 10291
Ion Ratio Lower Upper
330 100
332 96.9 78.1 117.1
141 35.1 26.6 39.8

Manual Integrations

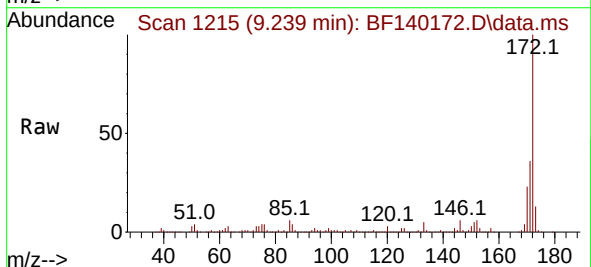
APPROVED

Reviewed By :Yogesh Patel 11/04/2024

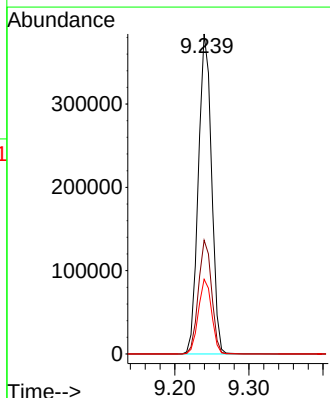
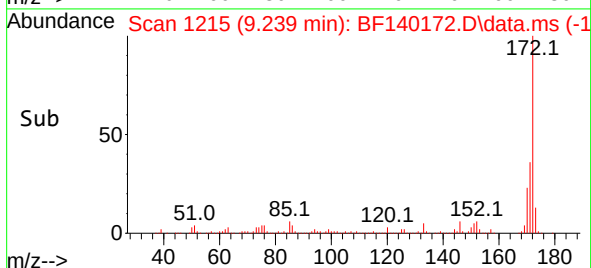
Supervised By :mohammad ahmed 11/04/2024

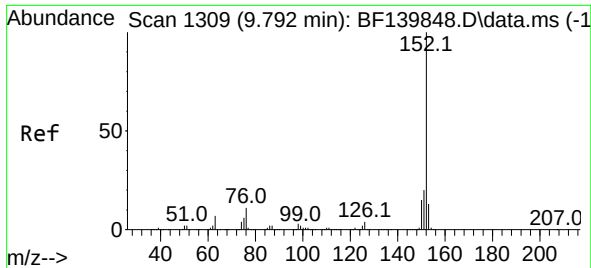


#45
2-Fluorobiphenyl
Concen: 70.259 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF140172.D
Acq: 30 Oct 2024 21:44



Tgt Ion:172 Resp: 475352
Ion Ratio Lower Upper
172 100
171 35.6 28.6 43.0
170 23.3 19.1 28.7





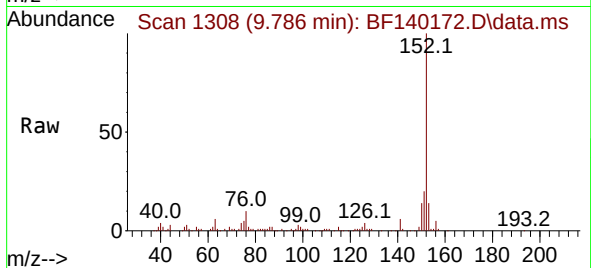
#49
Acenaphthylene
Concen: 7.660 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140172.D
Acq: 30 Oct 2024 21:44

Instrument :

BNA_F

ClientSampleId :

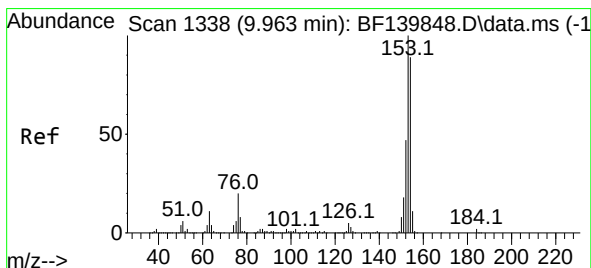
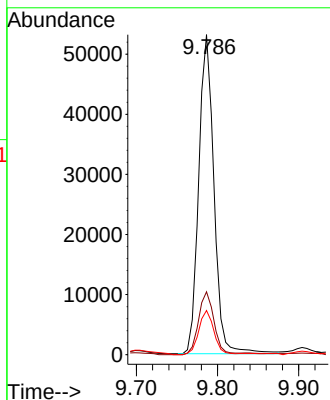
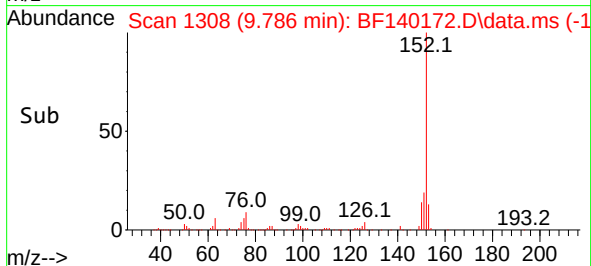
SU-03-102924



Tgt Ion:152 Resp: 69420
Ion Ratio Lower Upper
152 100
151 19.6 15.9 23.9
153 13.8 10.7 16.1

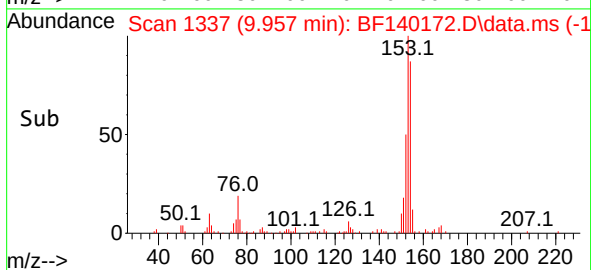
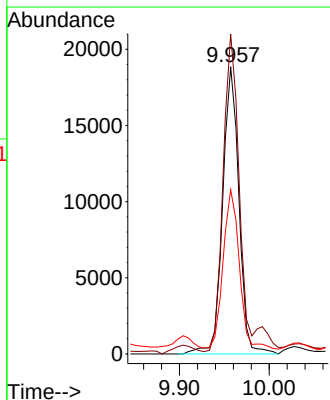
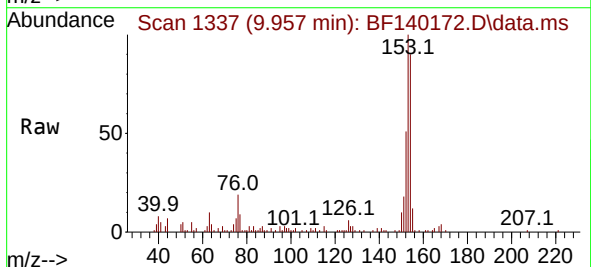
Manual Integrations
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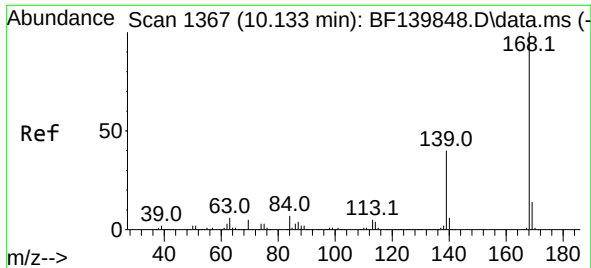
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#52
Acenaphthene
Concen: 4.042 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF140172.D
Acq: 30 Oct 2024 21:44

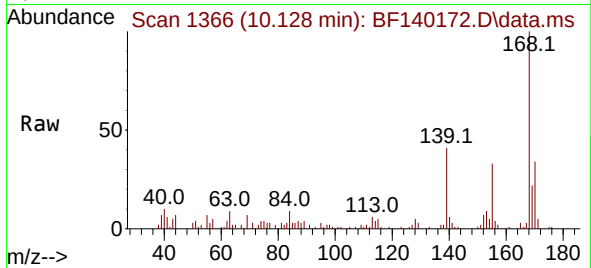
Tgt Ion:154 Resp: 23697
Ion Ratio Lower Upper
154 100
153 111.4 89.8 134.6
152 57.2 42.4 63.6





#55
Dibenzenofuran
Concen: 2.861 ng
RT: 10.128 min Scan# 1366
Delta R.T. -0.006 min
Lab File: BF140172.D
Acq: 30 Oct 2024 21:44

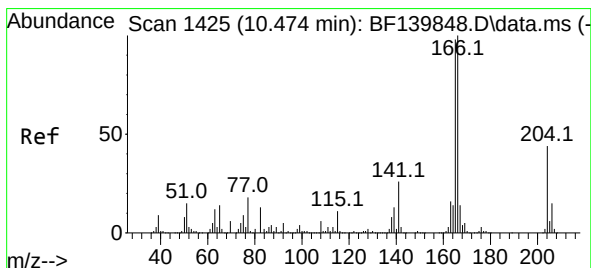
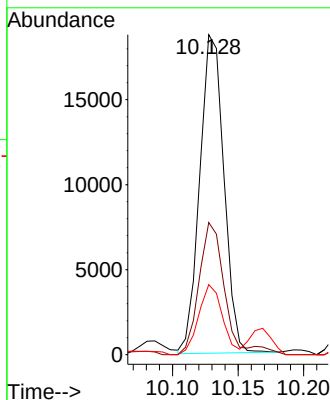
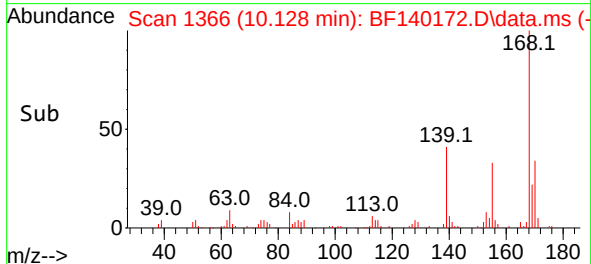
Instrument :
BNA_F
ClientSampleId :
SU-03-102924



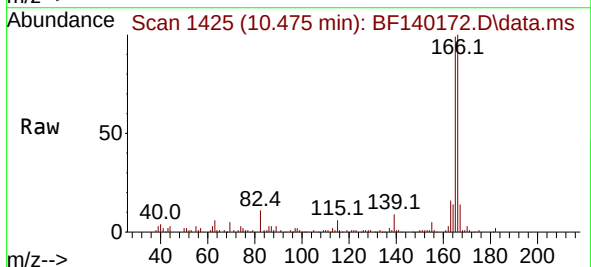
Tgt Ion:168 Resp: 24070
Ion Ratio Lower Upper
168 100
139 41.3 31.8 47.6
169 21.9 11.6 17.4

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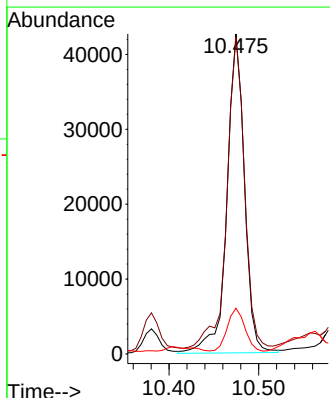
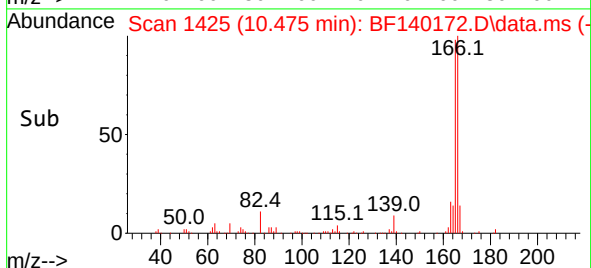
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024

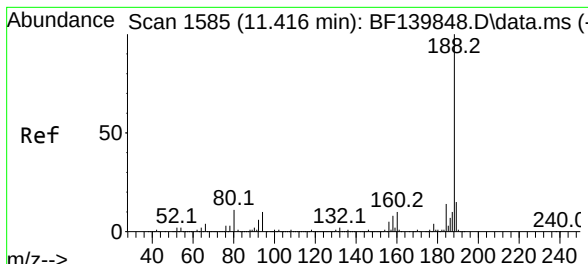


#58
Fluorene
Concen: 9.018 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF140172.D
Acq: 30 Oct 2024 21:44



Tgt Ion:166 Resp: 57779
Ion Ratio Lower Upper
166 100
165 99.1 78.5 117.7
167 14.3 10.9 16.3





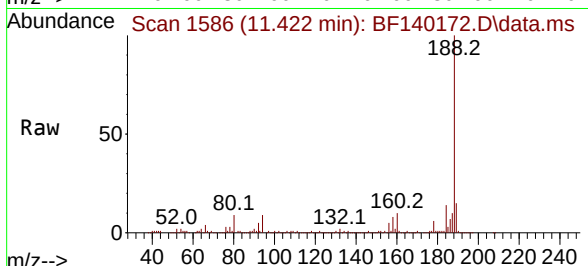
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.006 min
Lab File: BF140172.D
Acq: 30 Oct 2024 21:44

Instrument :

BNA_F

ClientSampleId :

SU-03-102924



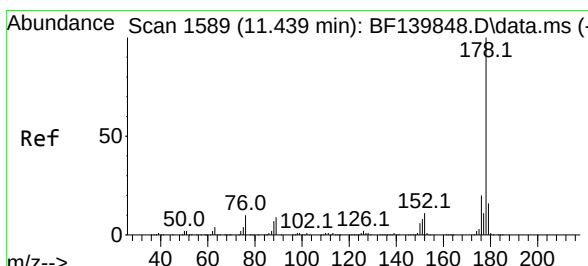
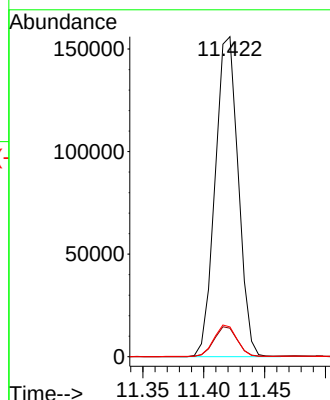
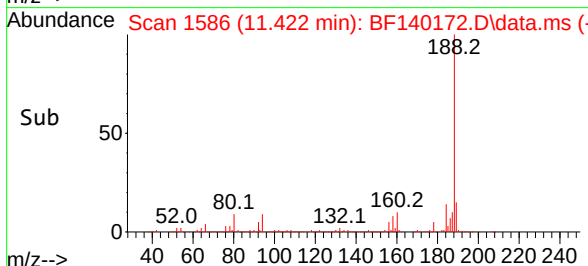
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Ion Ratio Lower Upper
188 100
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80 9.3 9.0 13.4

Manual Integrations

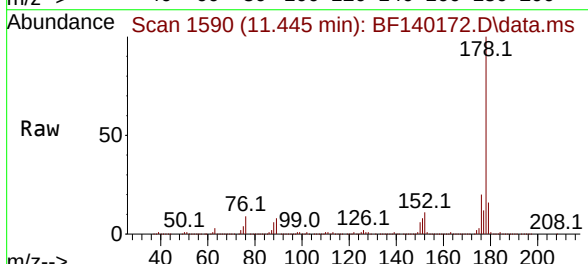
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Reviewed By :Yogesh Patel 11/04/2024

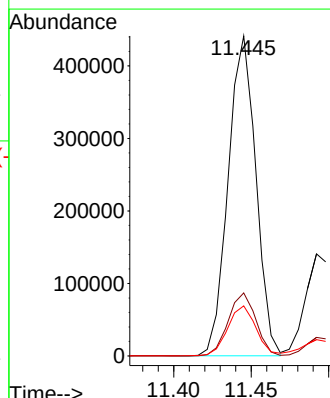
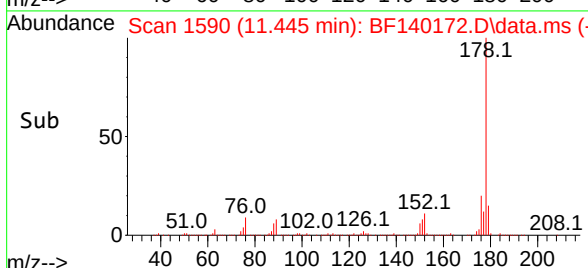
Supervised By :mohammad ahmed 11/04/2024

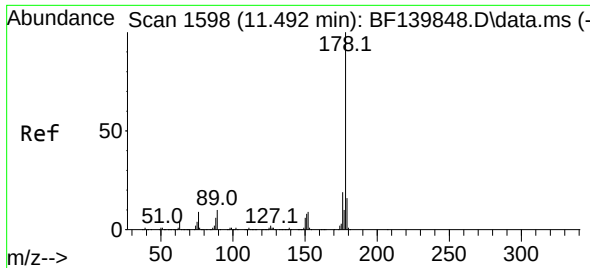


#71
Phenanthrene
Concen: 56.217 ng
RT: 11.445 min Scan# 1590
Delta R.T. 0.006 min
Lab File: BF140172.D
Acq: 30 Oct 2024 21:44



Tgt Ion:178 Resp: 548319
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 15.6 12.6 18.8





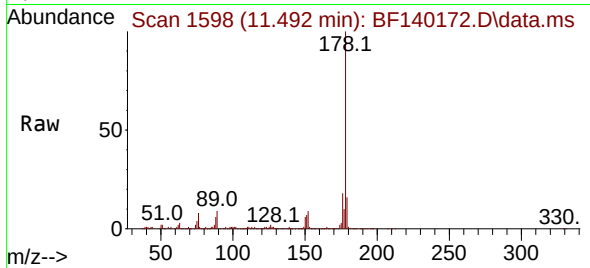
#72
 Anthracene
 Concen: 18.894 ng
 RT: 11.492 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF140172.D
 Acq: 30 Oct 2024 21:44

Instrument :

BNA_F

ClientSampleId :

SU-03-102924



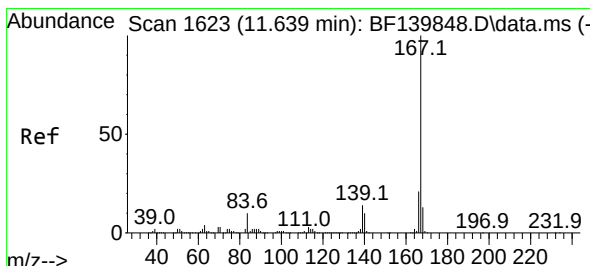
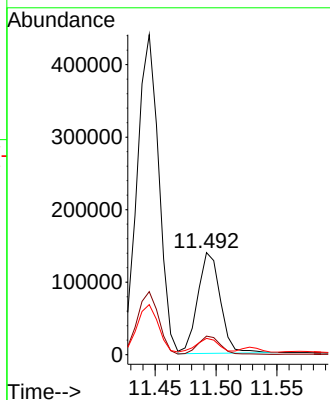
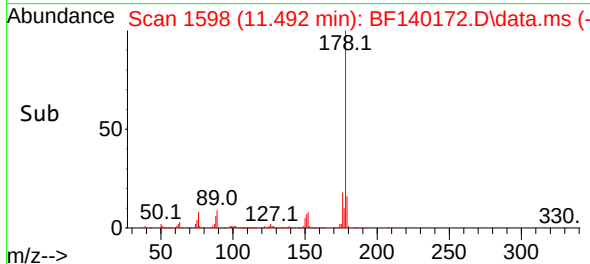
Tgt Ion:178 Resp: 17980
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.3 22.9
 179 16.0 12.4 18.6

Manual Integrations

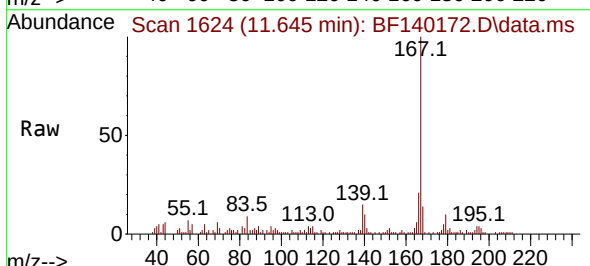
APPROVED

Reviewed By :Yogesh Patel 11/04/2024

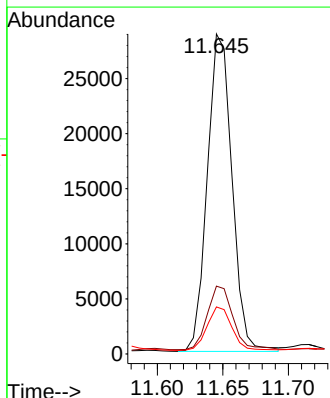
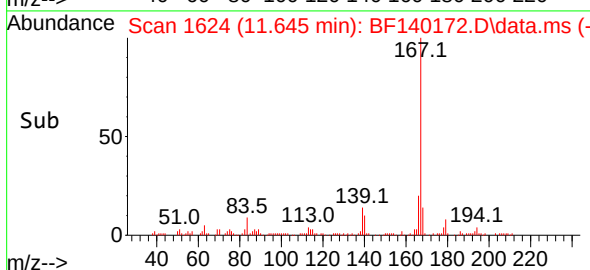
Supervised By :mohammad ahmed 11/04/2024

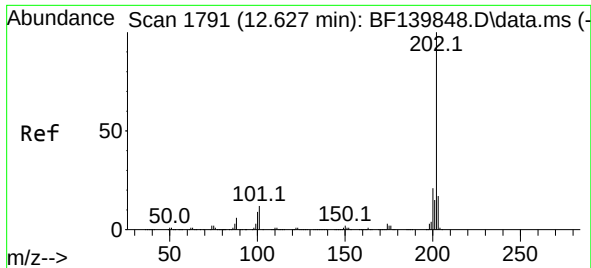


#73
 Carbazole
 Concen: 4.266 ng
 RT: 11.645 min Scan# 1624
 Delta R.T. 0.006 min
 Lab File: BF140172.D
 Acq: 30 Oct 2024 21:44



Tgt Ion:167 Resp: 37754
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.0 25.6
 139 14.7 10.8 16.2





#75
Fluoranthene
Concen: 101.217 ng
RT: 12.645 min Scan# 1791
Delta R.T. 0.018 min
Lab File: BF140172.D
Acq: 30 Oct 2024 21:44

Instrument :

BNA_F

ClientSampleId :

SU-03-102924

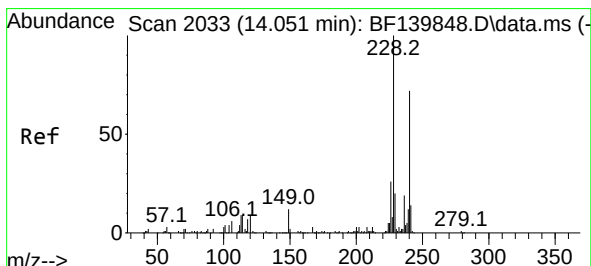
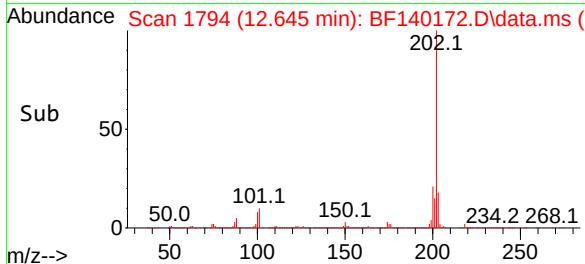
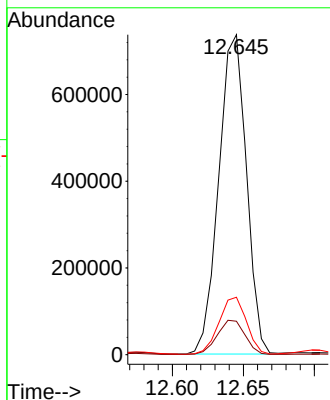
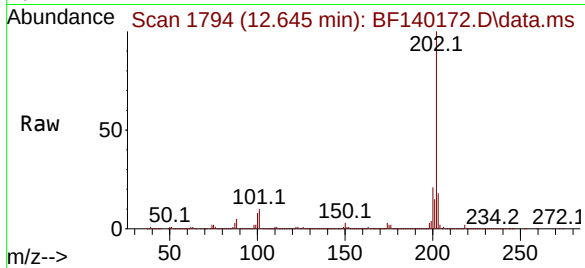
Tgt Ion:202 Resp: 99800
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.9
203 18.0 0.0 37.5

Manual Integrations

APPROVED

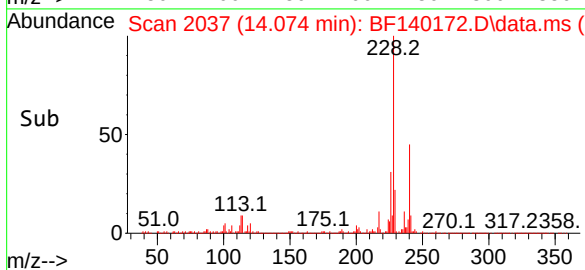
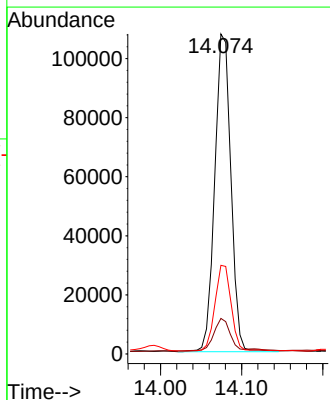
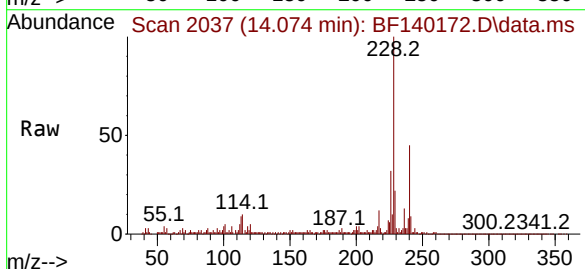
Reviewed By :Yogesh Patel 11/04/2024

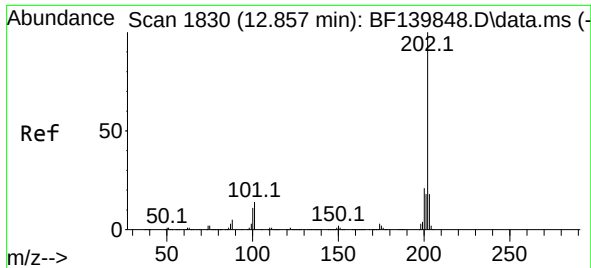
Supervised By :mohammad ahmed 11/04/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2037
Delta R.T. 0.024 min
Lab File: BF140172.D
Acq: 30 Oct 2024 21:44

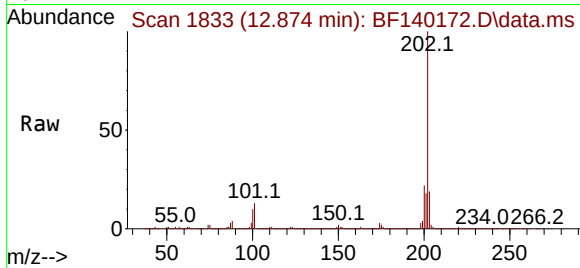
Tgt Ion:240 Resp: 149203
Ion Ratio Lower Upper
240 100
120 11.1 9.4 14.2
236 27.7 20.9 31.3





#78
Pyrene
Concen: 74.830 ng
RT: 12.874 min Scan# 1833
Delta R.T. 0.018 min
Lab File: BF140172.D
Acq: 30 Oct 2024 21:44

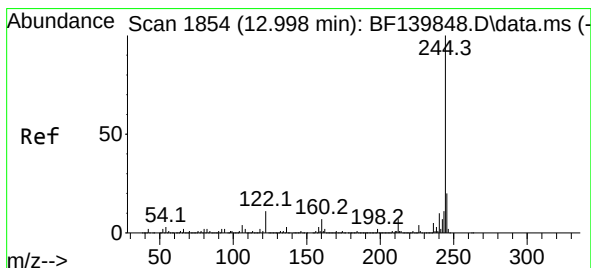
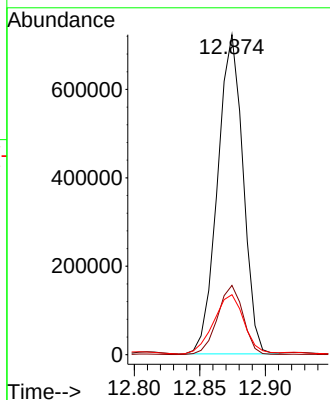
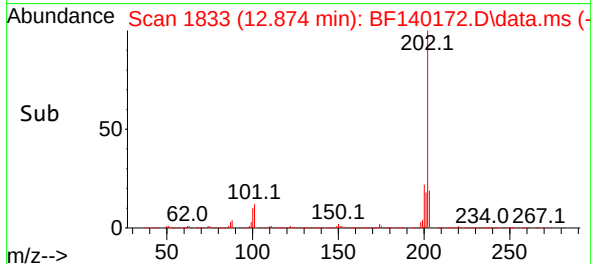
Instrument :
BNA_F
ClientSampleId :
SU-03-102924



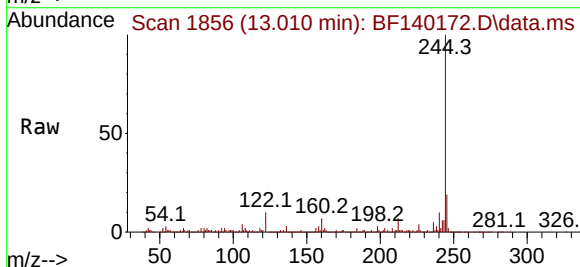
Tgt Ion:202 Resp: 977292
Ion Ratio Lower Upper
202 100
200 21.7 17.2 25.8
203 18.7 14.2 21.4

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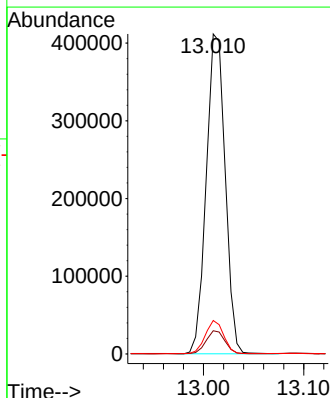
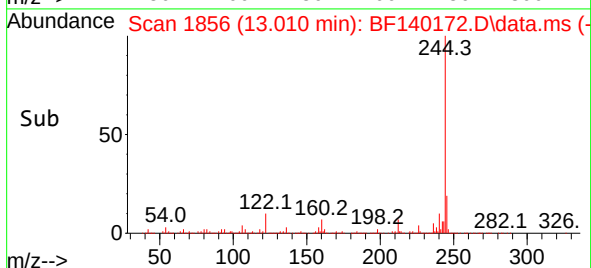
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024

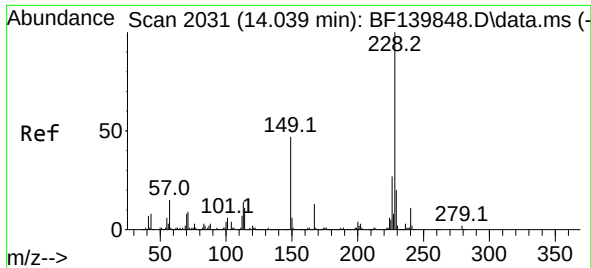


#79
Terphenyl-d14
Concen: 59.159 ng
RT: 13.010 min Scan# 1856
Delta R.T. 0.012 min
Lab File: BF140172.D
Acq: 30 Oct 2024 21:44



Tgt Ion:244 Resp: 541686
Ion Ratio Lower Upper
244 100
212 7.3 5.7 8.5
122 10.5 8.6 13.0





#81
Benzo(a)anthracene
Concen: 51.730 ng
RT: 14.069 min Scan# 2042
Delta R.T. 0.030 min
Lab File: BF140172.D
Acq: 30 Oct 2024 21:44

Instrument :

BNA_F

ClientSampleId :

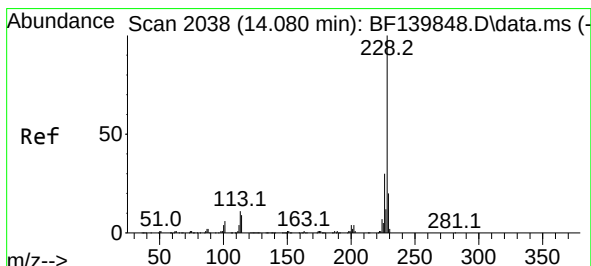
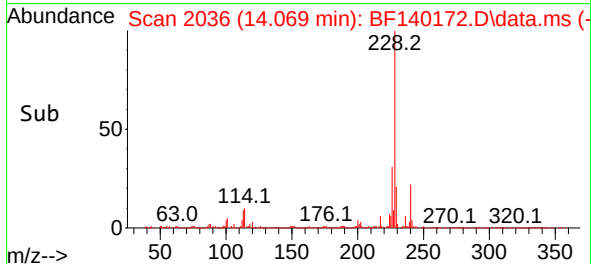
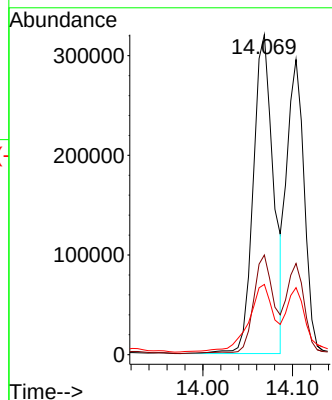
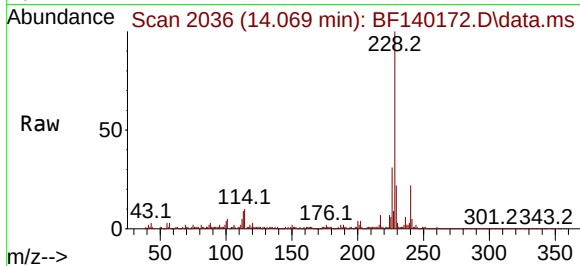
SU-03-102924

Tgt Ion:228 Resp: 502430
Ion Ratio Lower Upper
228 100
226 31.2 21.6 32.4
229 21.9 16.1 24.1

Manual Integrations

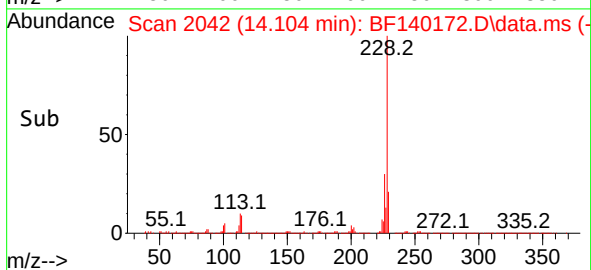
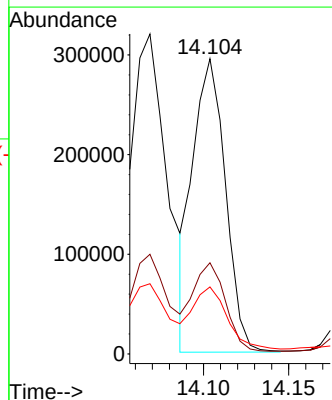
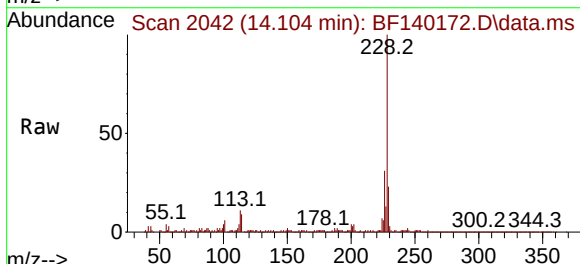
APPROVED

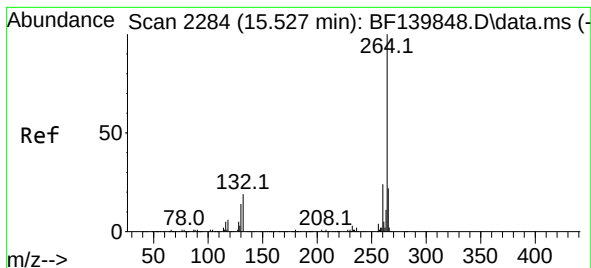
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#83
Chrysene
Concen: 43.954 ng
RT: 14.104 min Scan# 2042
Delta R.T. 0.024 min
Lab File: BF140172.D
Acq: 30 Oct 2024 21:44

Tgt Ion:228 Resp: 391420
Ion Ratio Lower Upper
228 100
226 30.9 24.1 36.1
229 22.7 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.586 min Scan# 21

Delta R.T. 0.059 min

Lab File: BF140172.D

Acq: 30 Oct 2024 21:44

Instrument :

BNA_F

ClientSampleId :

SU-03-102924

Tgt Ion:264 Resp: 109520

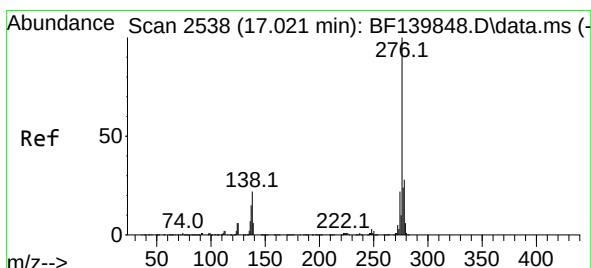
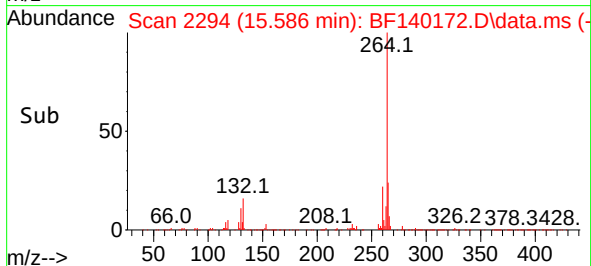
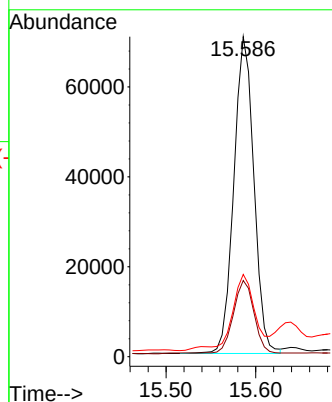
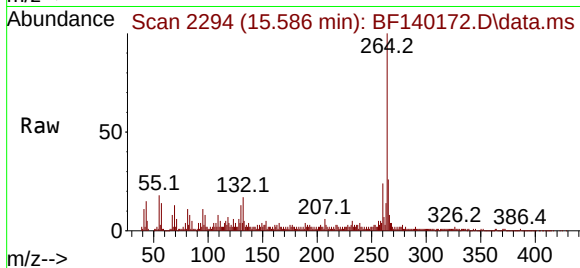
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	25.7	17.4	26.0

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: 27.151 ng

RT: 17.115 min Scan# 2554

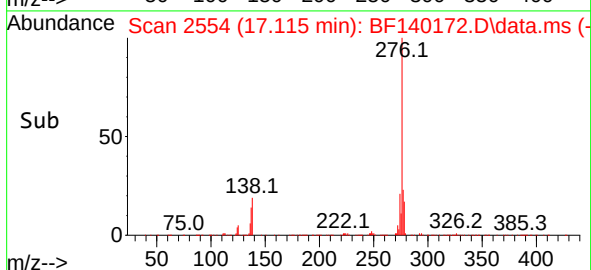
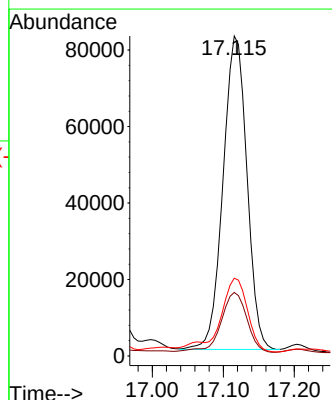
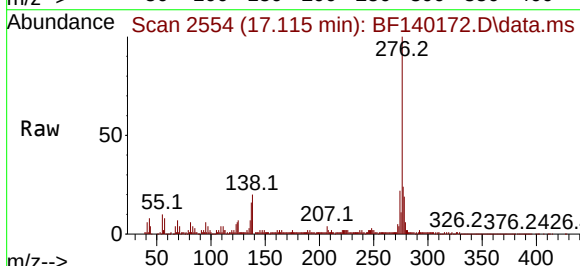
Delta R.T. 0.094 min

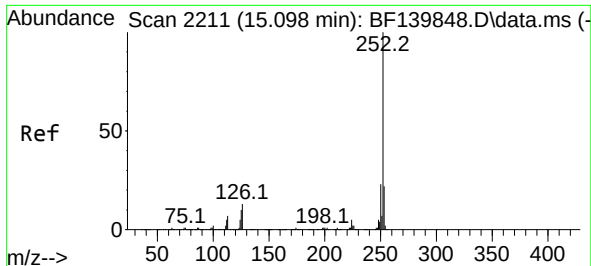
Lab File: BF140172.D

Acq: 30 Oct 2024 21:44

Tgt Ion:276 Resp: 191309

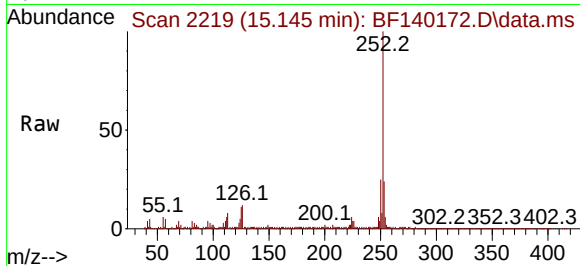
Ion	Ratio	Lower	Upper
276	100		
138	20.8	20.4	30.6
277	24.7	20.2	30.4





#88
Benzo(b)fluoranthene
Concen: 68.959 ng m
RT: 15.145 min Scan# 2111
Delta R.T. 0.047 min
Lab File: BF140172.D
Acq: 30 Oct 2024 21:44

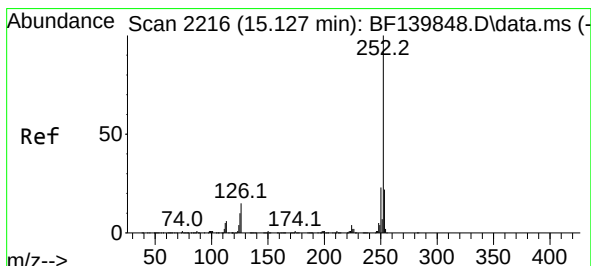
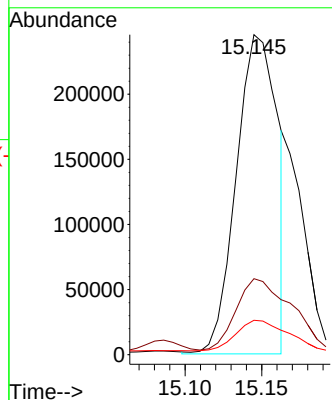
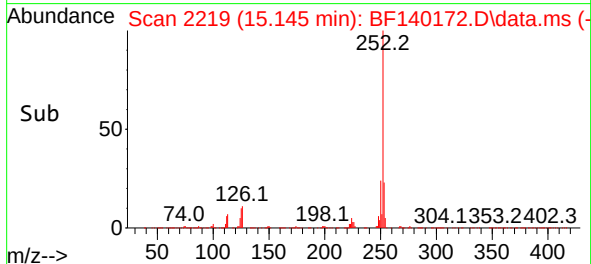
Instrument :
BNA_F
ClientSampleId :
SU-03-102924



Tgt Ion:252 Resp: 46008
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 10.8 7.9 11.9

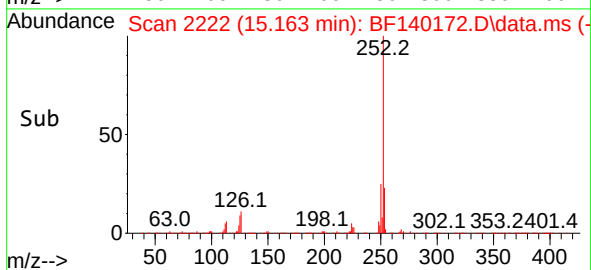
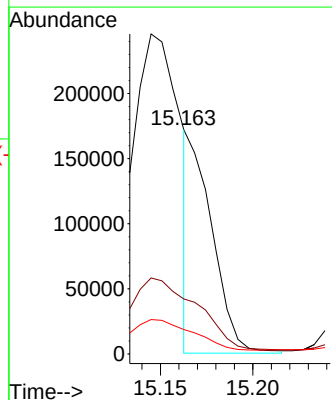
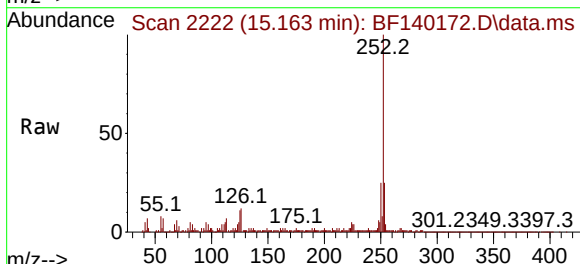
Manual Integrations
APPROVED

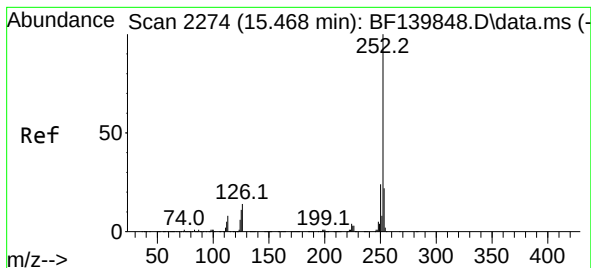
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#89
Benzo(k)fluoranthene
Concen: 25.221 ng m
RT: 15.163 min Scan# 2222
Delta R.T. 0.035 min
Lab File: BF140172.D
Acq: 30 Oct 2024 21:44

Tgt Ion:252 Resp: 145118
Ion Ratio Lower Upper
252 100
253 24.5 17.6 26.4
125 10.9 7.9 11.9





#90

Benzo(a)pyrene

Concen: 59.500 ng

RT: 15.521 min Scan# 21

Delta R.T. 0.053 min

Lab File: BF140172.D

Acq: 30 Oct 2024 21:44

Instrument :

BNA_F

ClientSampleId :

SU-03-102924

Tgt Ion:252 Resp: 326644

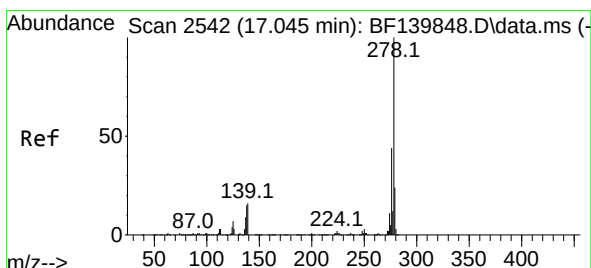
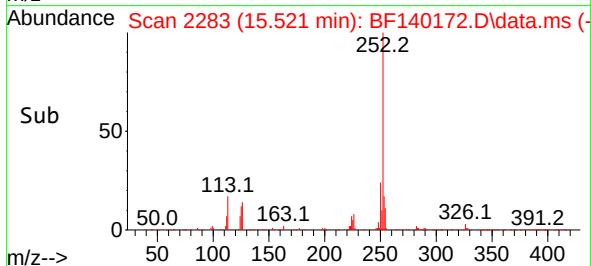
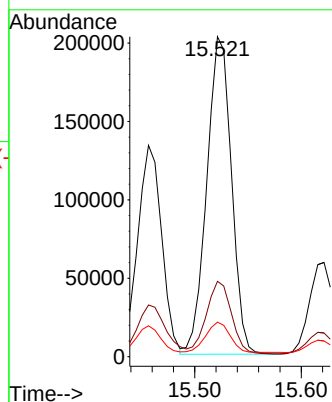
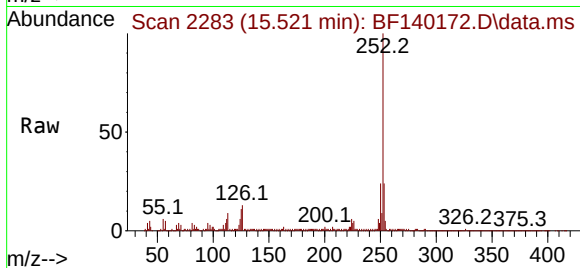
Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.3	25.9
125	10.8	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#91

Dibenzo(a,h)anthracene

Concen: 7.354 ng

RT: 17.127 min Scan# 2556

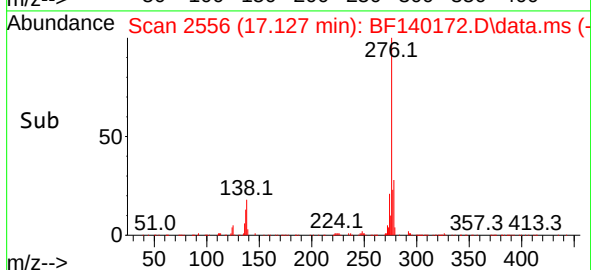
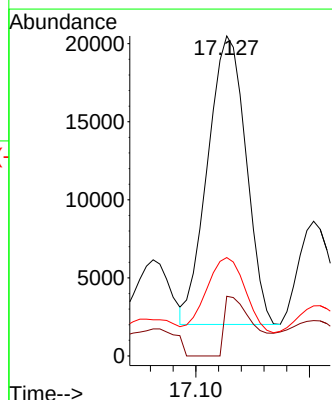
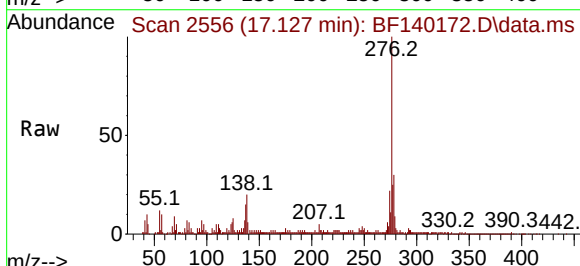
Delta R.T. 0.082 min

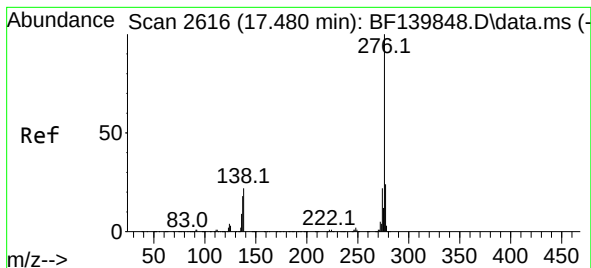
Lab File: BF140172.D

Acq: 30 Oct 2024 21:44

Tgt Ion:278 Resp: 43228

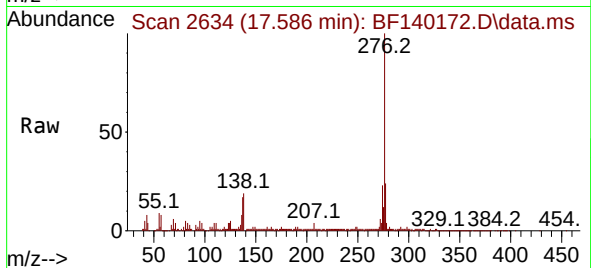
Ion	Ratio	Lower	Upper
278	100		
139	18.7	13.1	19.7
279	30.7	19.0	28.4





#92
Benzo(g,h,i)perylene
Concen: 33.022 ng
RT: 17.586 min Scan# 20
Delta R.T. 0.106 min
Lab File: BF140172.D
Acq: 30 Oct 2024 21:44

Instrument :
BNA_F
ClientSampleId :
SU-03-102924



Tgt Ion:276 Resp: 19388
Ion Ratio Lower Upper
276 100
277 24.4 19.0 28.6
138 18.9 17.4 26.0

Manual Integrations
APPROVED

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

