

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103124\
 Data File : BF140192.D
 Acq On : 31 Oct 2024 16:35
 Operator : RC/JU
 Sample : P4619-01DL 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-102924DL

Manual Integrations
 APPROVED

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

Quant Time: Oct 31 17:46:21 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	104082	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	387425	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	185649	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	292085	20.000	ng	0.00
76) Chrysene-d12	14.074	240	171012	20.000	ng	0.02
86) Perylene-d12	15.586	264	146324	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	289505	43.544	ng	0.00
7) Phenol-d6	6.504	99	372392	43.246	ng	0.00
23) Nitrobenzene-d5	7.440	82	237583	33.988	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	73499	42.326	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	403326	35.905	ng	-0.01
79) Terphenyl-d14	13.010	244	335825	31.999	ng	0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.787	152	32571	2.164	ng	98
58) Fluorene	10.475	166	41017	3.856	ng	98
71) Phenanthrene	11.439	178	387730	28.103	ng	99
72) Anthracene	11.492	178	103286	7.673	ng	99
75) Fluoranthene	12.639	202	644957	46.242	ng	98
78) Pyrene	12.869	202	612083	40.889	ng	99
81) Benzo(a)anthracene	14.063	228	280074	25.159	ng	97
83) Chrysene	14.098	228	222689	21.817	ng	97
87) Indeno(1,2,3-cd)pyrene	17.110	276	124683m	13.245	ng	
88) Benzo(b)fluoranthene	15.145	252	274811m	30.831	ng	
89) Benzo(k)fluoranthene	15.157	252	104548m	13.600	ng	
90) Benzo(a)pyrene	15.521	252	210650	28.721	ng	98
91) Dibenzo(a,h)anthracene	17.121	278	26148	3.330	ng	# 86
92) Benzo(g,h,i)perylene	17.568	276	115834	14.767	ng	99

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

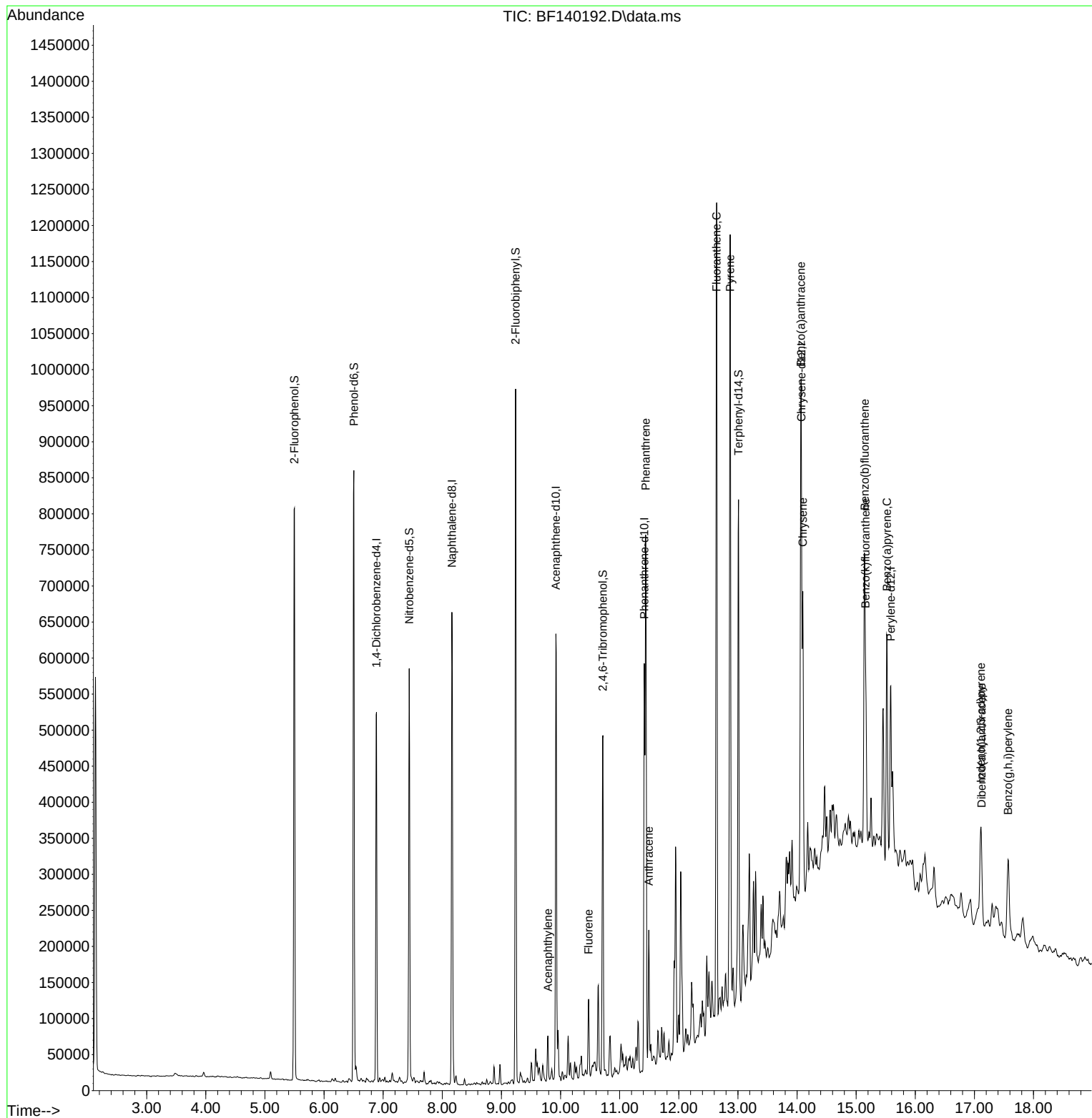
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103124\
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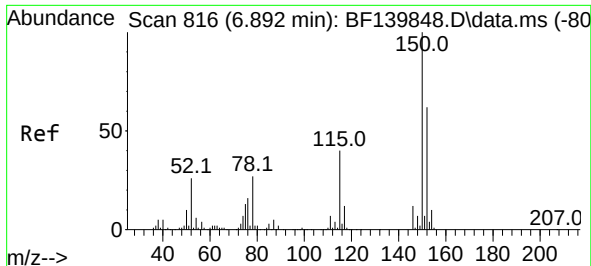
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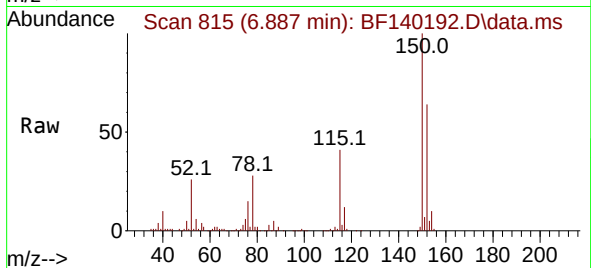
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140192.D
Acq: 31 Oct 2024 16:35

Instrument :

BNA_F

ClientSampleId :

SU-03-102924DL

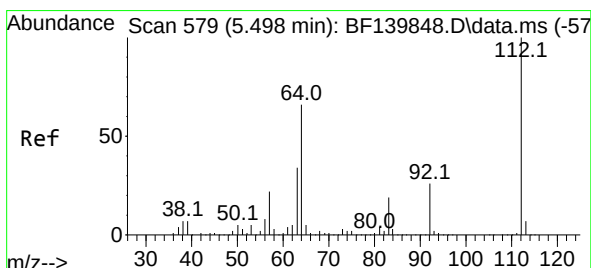
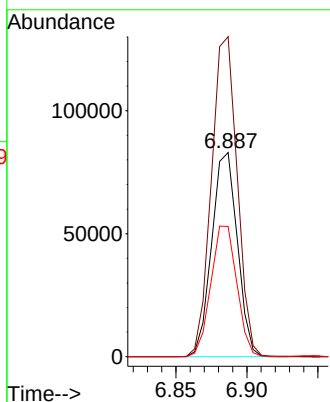
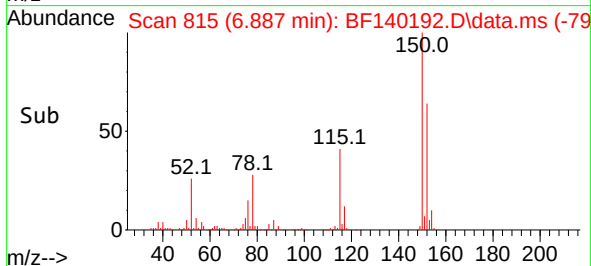


Tgt Ion:152 Resp: 104082
Ion Ratio Lower Upper
152 100
150 156.8 130.2 195.2
115 63.8 51.4 77.2

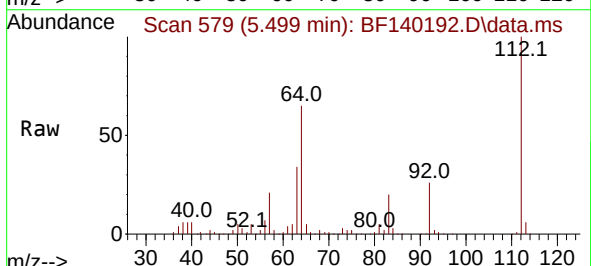
Manual Integrations

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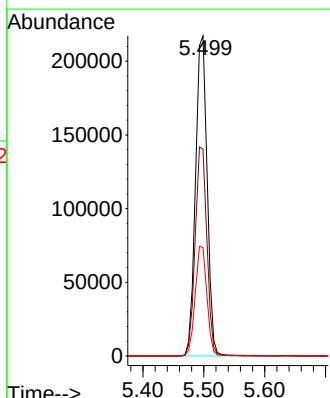
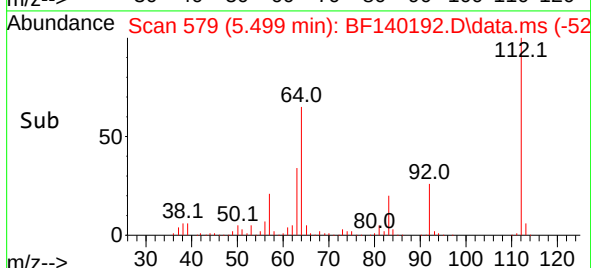
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024

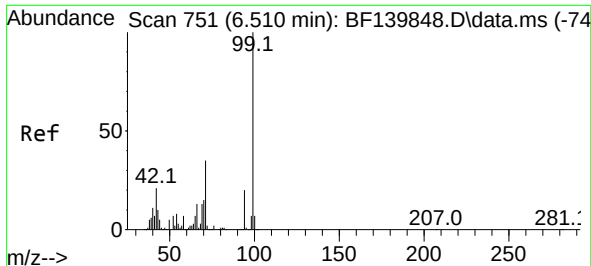


#5
2-Fluorophenol
Concen: 43.544 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140192.D
Acq: 31 Oct 2024 16:35



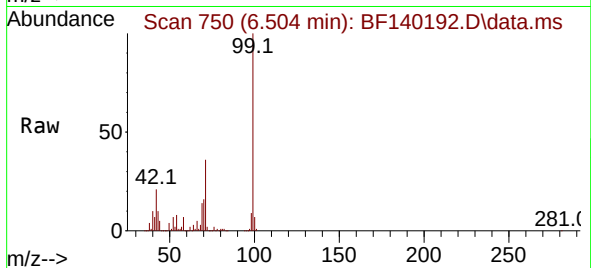
Tgt Ion:112 Resp: 289505
Ion Ratio Lower Upper
112 100
64 64.6 53.0 79.6
63 33.9 27.0 40.4





#7
Phenol-d6
Concen: 43.246 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140192.D
Acq: 31 Oct 2024 16:35

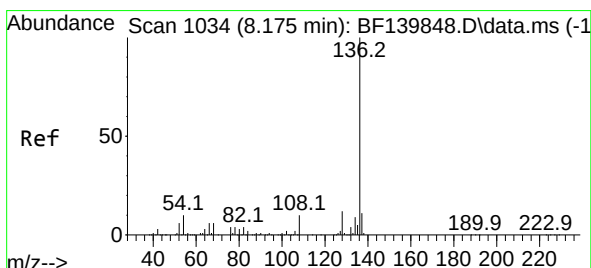
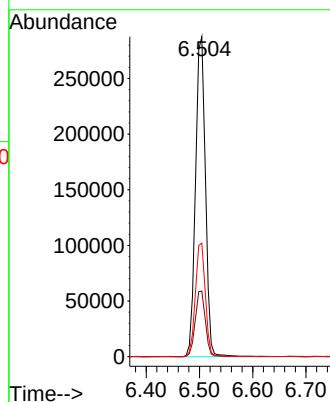
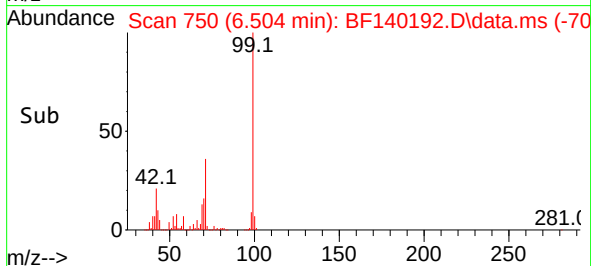
Instrument :
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Tgt Ion: 99 Resp: 372392
Ion Ratio Lower Upper
99 100
42 20.5 16.7 25.1
71 35.5 27.7 41.5

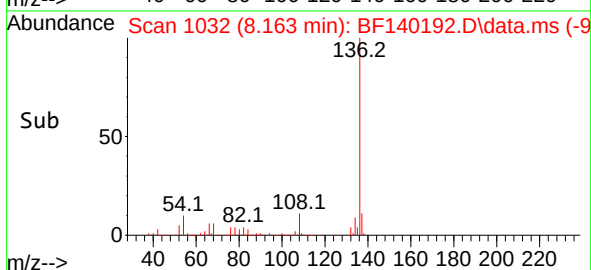
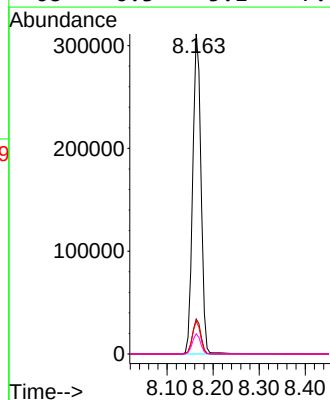
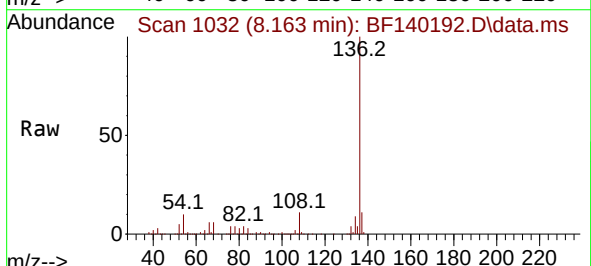
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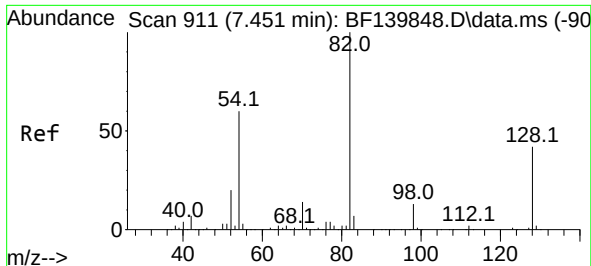
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.011 min
Lab File: BF140192.D
Acq: 31 Oct 2024 16:35

Tgt Ion:136 Resp: 387425
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 10.2 8.4 12.6
68 6.3 5.1 7.7





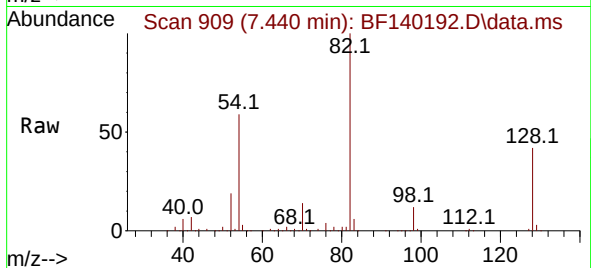
#23
Nitrobenzene-d5
Concen: 33.988 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.011 min
Lab File: BF140192.D
Acq: 31 Oct 2024 16:35

Instrument :

BNA_F

ClientSampleId :

SU-03-102924DL

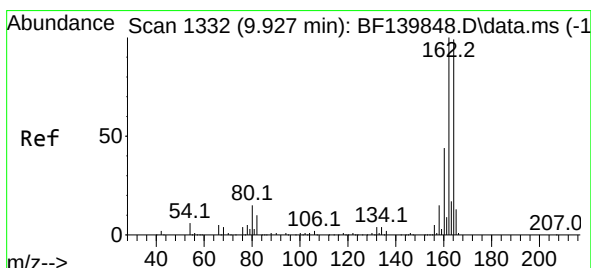
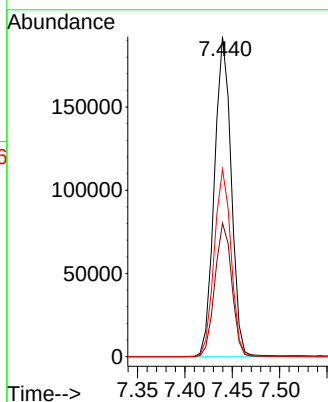
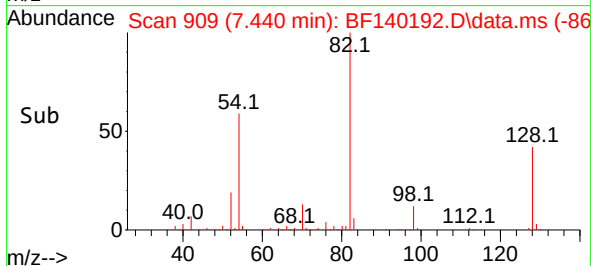


Tgt Ion: 82 Resp: 23758
Ion Ratio Lower Upper
82 100
128 41.8 33.4 50.0
54 58.6 47.8 71.8

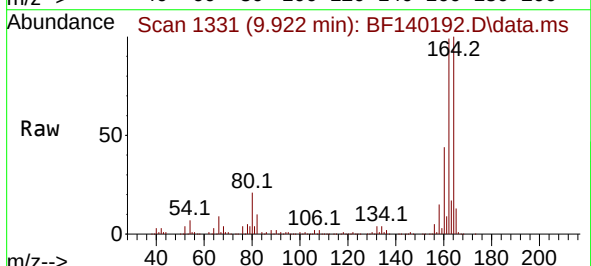
Manual Integrations

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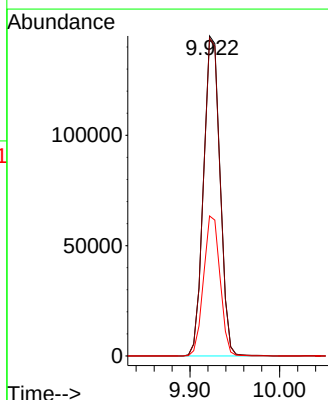
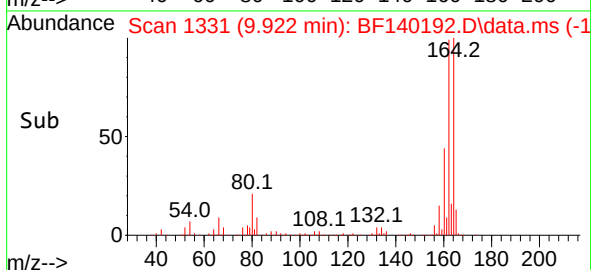
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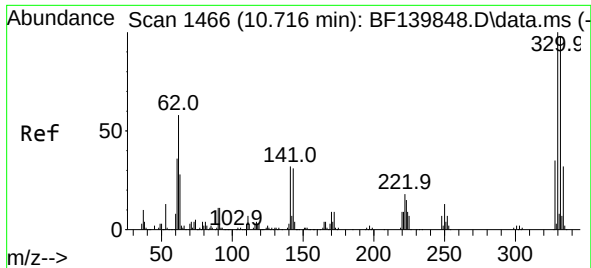


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140192.D
Acq: 31 Oct 2024 16:35



Tgt Ion:164 Resp: 185649
Ion Ratio Lower Upper
164 100
162 99.4 81.0 121.4
160 43.8 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 42.326 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF140192.D
Acq: 31 Oct 2024 16:35

Instrument :

BNA_F

ClientSampleId :

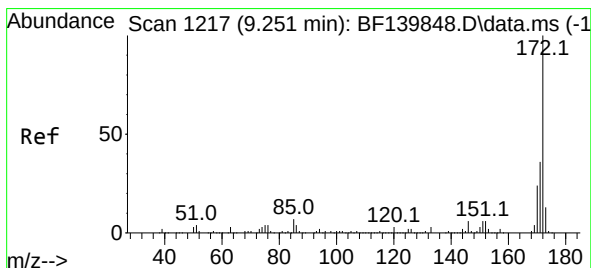
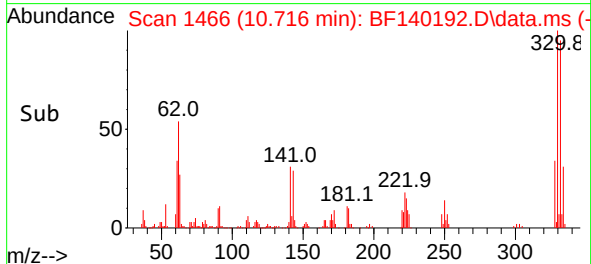
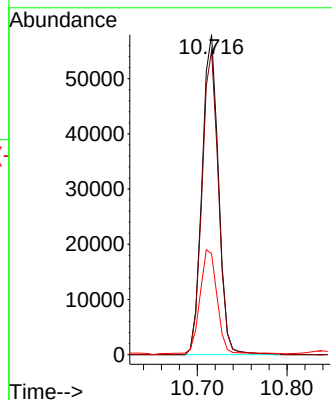
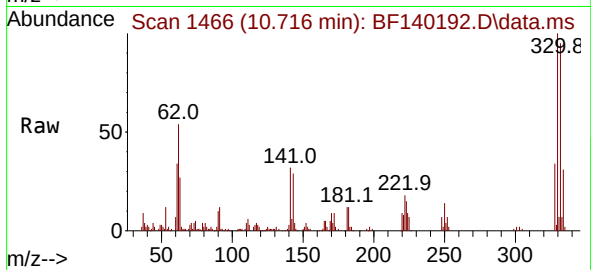
SU-03-102924DL

Tgt Ion:330 Resp: 73495
Ion Ratio Lower Upper
330 100
332 95.2 78.1 117.1
141 35.9 26.6 39.8

Manual Integrations

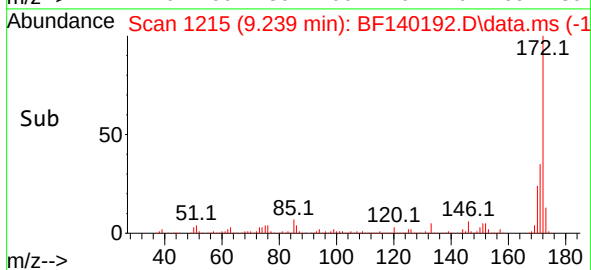
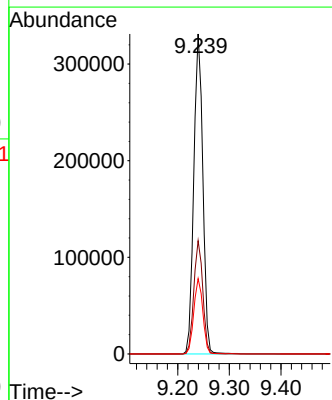
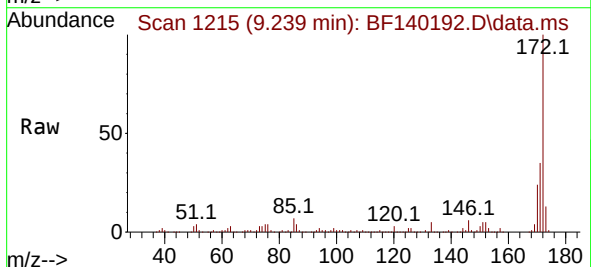
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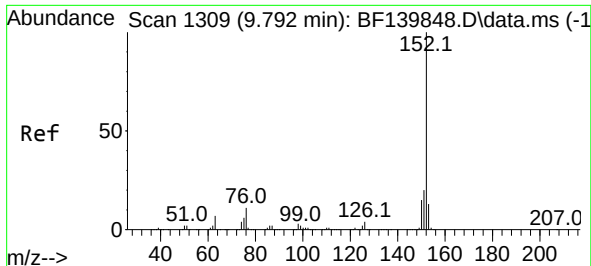
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#45
2-Fluorobiphenyl
Concen: 35.905 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.011 min
Lab File: BF140192.D
Acq: 31 Oct 2024 16:35

Tgt Ion:172 Resp: 403326
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.6 19.1 28.7





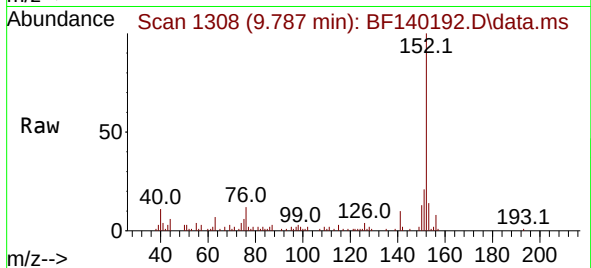
#49
Acenaphthylene
Concen: 2.164 ng
RT: 9.787 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140192.D
Acq: 31 Oct 2024 16:35

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SU-03-102924DL

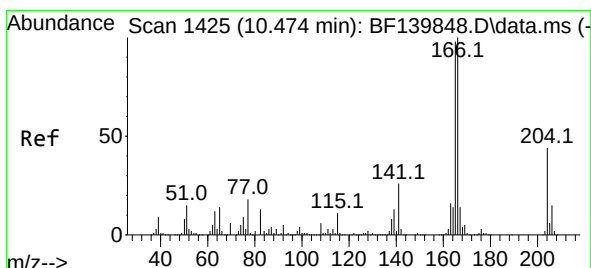
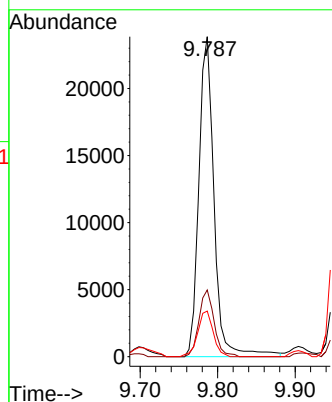
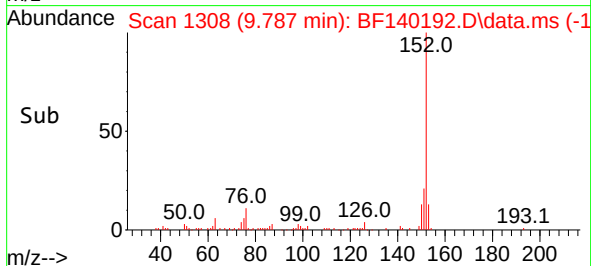


Tgt Ion:152 Resp: 3257
Ion Ratio Lower Upper
152 100
151 20.8 15.9 23.9
153 14.3 10.7 16.1

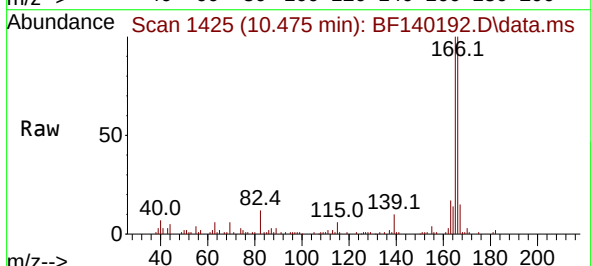
Manual Integrations

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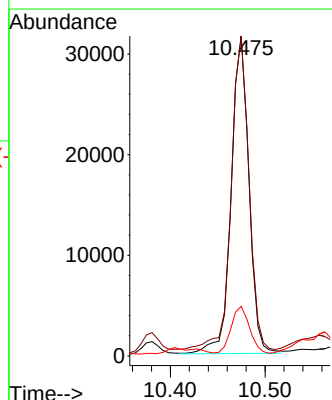
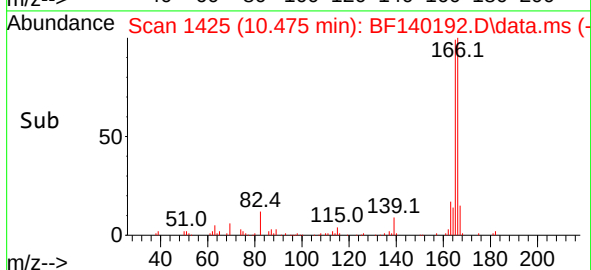
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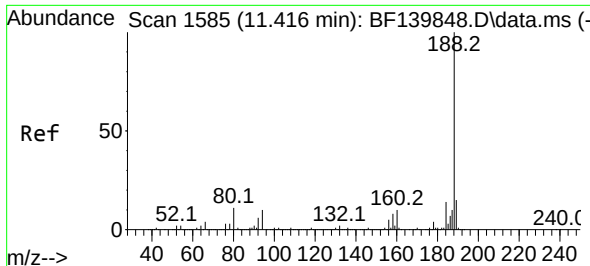


#58
Fluorene
Concen: 3.856 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF140192.D
Acq: 31 Oct 2024 16:35



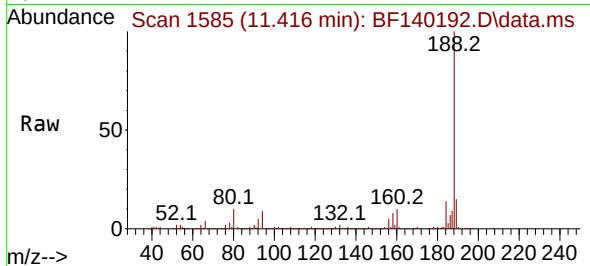
Tgt Ion:166 Resp: 41017
Ion Ratio Lower Upper
166 100
165 99.9 78.5 117.7
167 15.5 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF140192.D
Acq: 31 Oct 2024 16:35

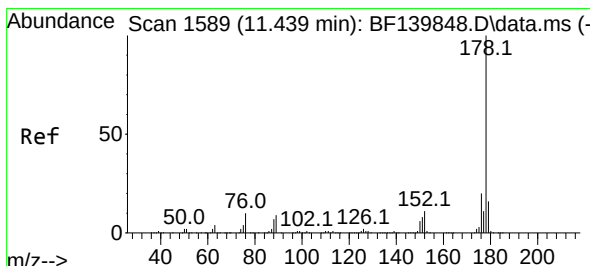
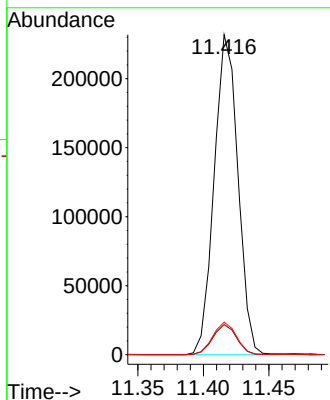
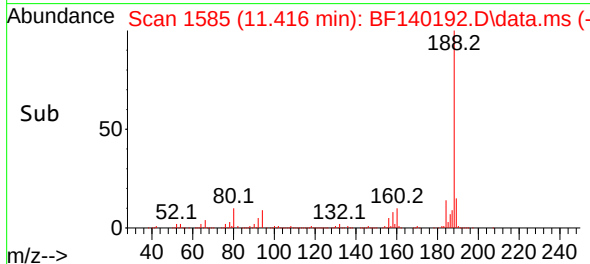
Instrument :
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SU-03-102924DL



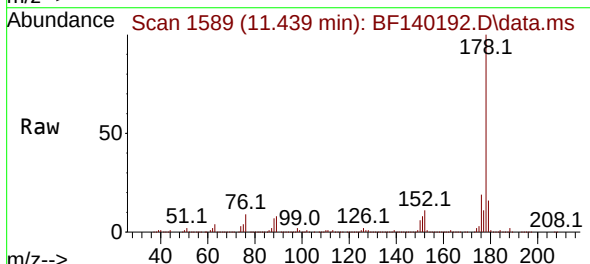
Tgt Ion:188 Resp: 292085
Ion Ratio Lower Upper
188 100
94 9.4 7.9 11.9
80 10.2 9.0 13.4

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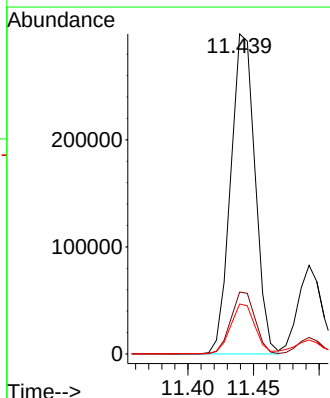
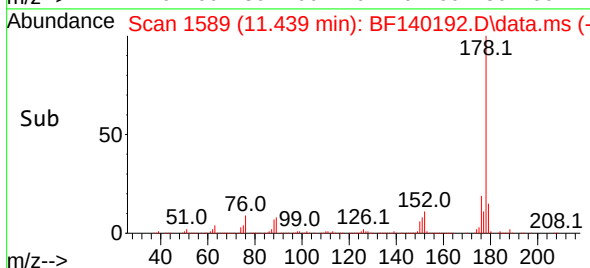
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024

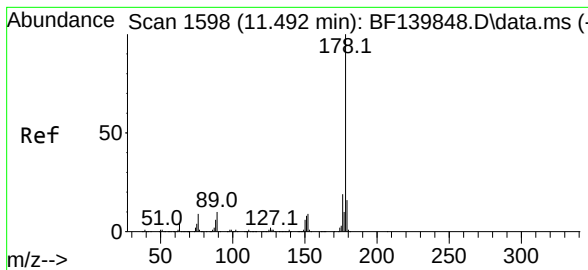


#71
Phenanthrene
Concen: 28.103 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF140192.D
Acq: 31 Oct 2024 16:35



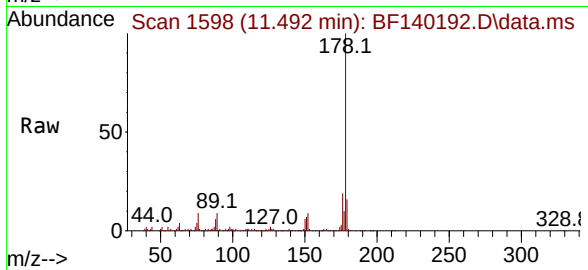
Tgt Ion:178 Resp: 387730
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 15.6 12.6 18.8





#72
 Anthracene
 Concen: 7.673 ng
 RT: 11.492 min Scan# 11492
 Delta R.T. 0.000 min
 Lab File: BF140192.D
 Acq: 31 Oct 2024 16:35

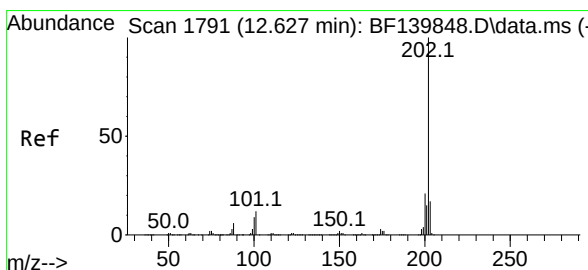
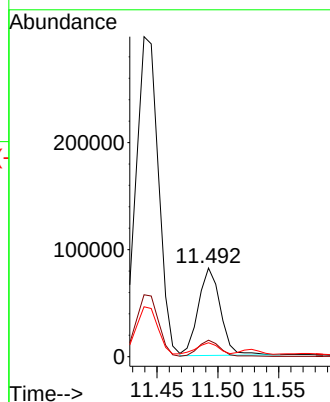
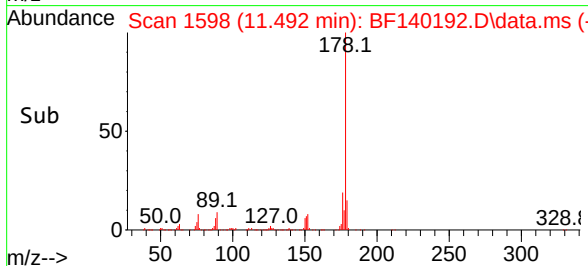
Instrument :
 BNA_F
 ClientSampleId :
 SU-03-102924DL



Tgt Ion:178 Resp: 103280
 Ion Ratio Lower Upper
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 176 18.7 15.3 22.9
 179 15.8 12.4 18.6

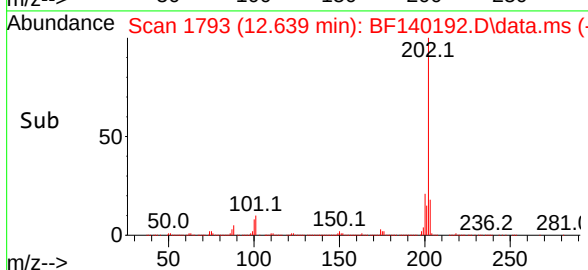
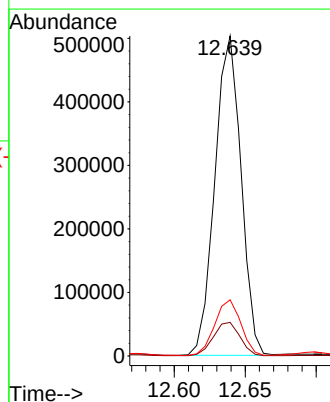
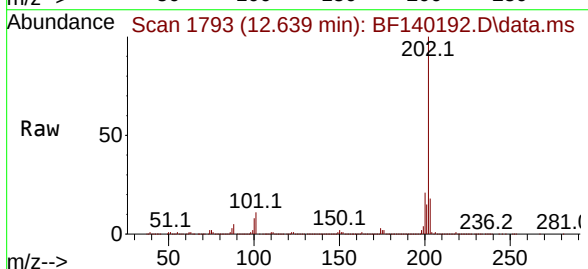
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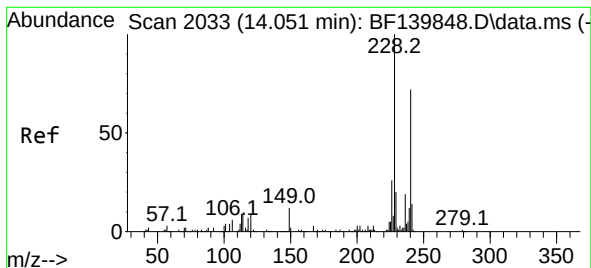
Reviewed By :Yogesh Patel 11/04/2024
 Supervised By :mohammad ahmed 11/04/2024



#75
 Fluoranthene
 Concen: 46.242 ng
 RT: 12.639 min Scan# 1793
 Delta R.T. 0.012 min
 Lab File: BF140192.D
 Acq: 31 Oct 2024 16:35

Tgt Ion:202 Resp: 644957
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 31.9
 203 17.5 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.074 min Scan# 2037

Delta R.T. 0.024 min

Lab File: BF140192.D

Acq: 31 Oct 2024 16:35

Instrument :

BNA_F

ClientSampleId :

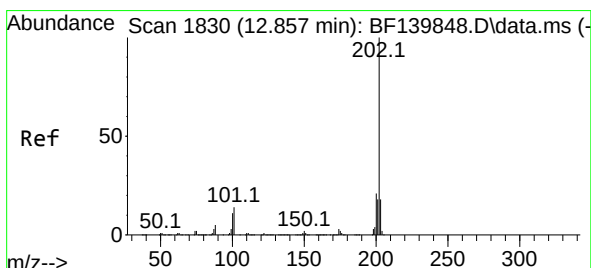
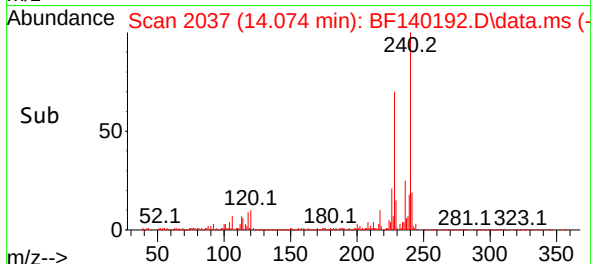
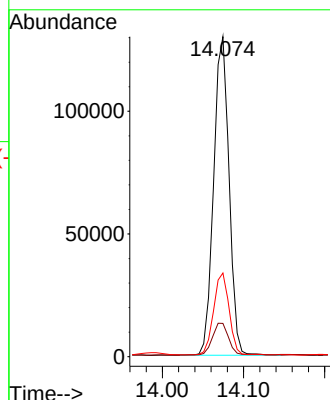
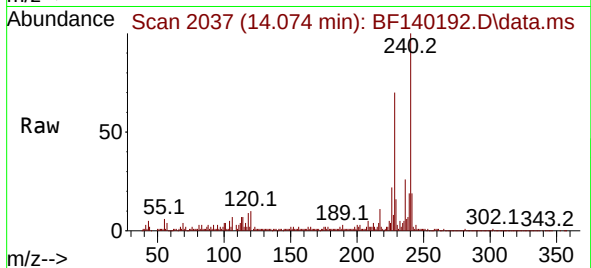
SU-03-102924DL

Tgt Ion:240 Resp: 17101
 Ion Ratio Lower Upper
 240 100
 120 10.4 9.4 14.2
 236 26.2 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: 40.889 ng

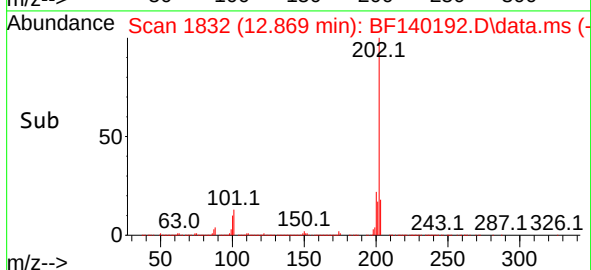
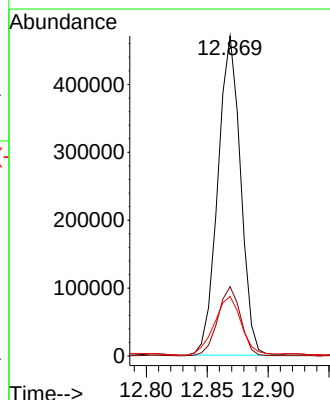
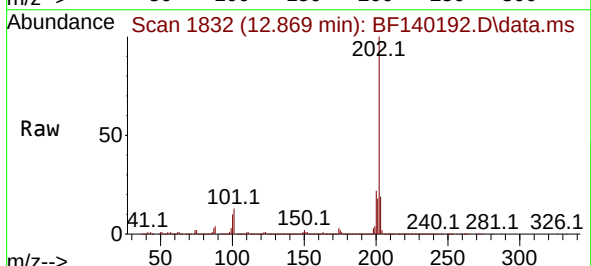
RT: 12.869 min Scan# 1832

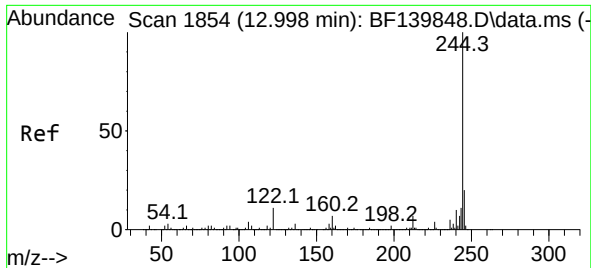
Delta R.T. 0.012 min

Lab File: BF140192.D

Acq: 31 Oct 2024 16:35

Tgt Ion:202 Resp: 612083
 Ion Ratio Lower Upper
 202 100
 200 21.7 17.2 25.8
 203 18.6 14.2 21.4





#79
 Terphenyl-d14
 Concen: 31.999 ng
 RT: 13.010 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: BF140192.D
 Acq: 31 Oct 2024 16:35

Instrument :

BNA_F

ClientSampleId :

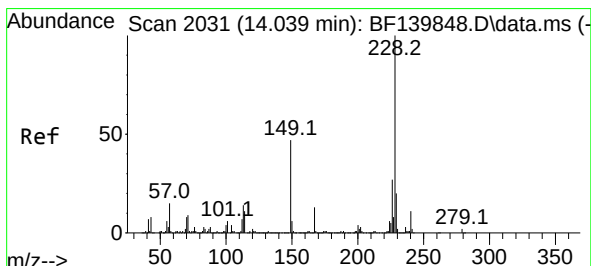
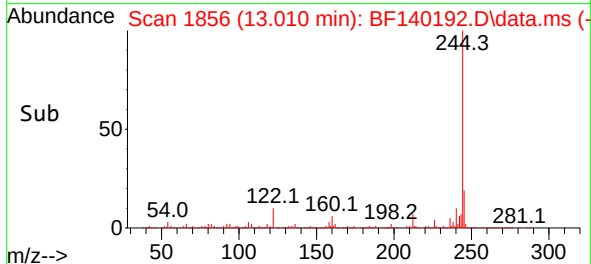
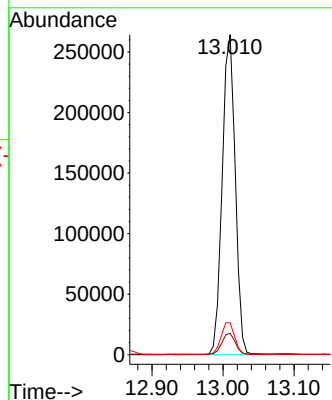
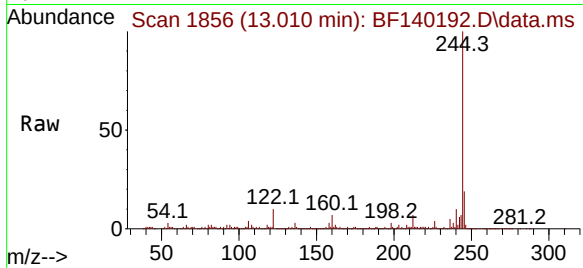
SU-03-102924DL

Tgt Ion:244 Resp: 335829
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.7 8.5
 122 10.0 8.6 13.0

Manual Integrations

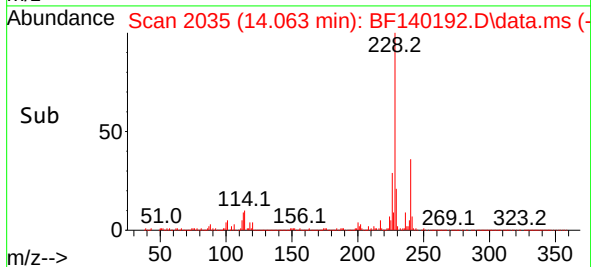
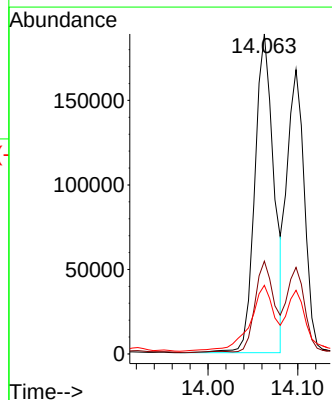
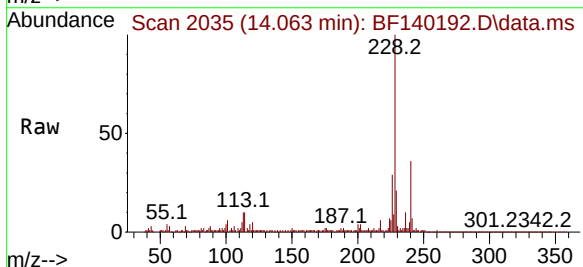
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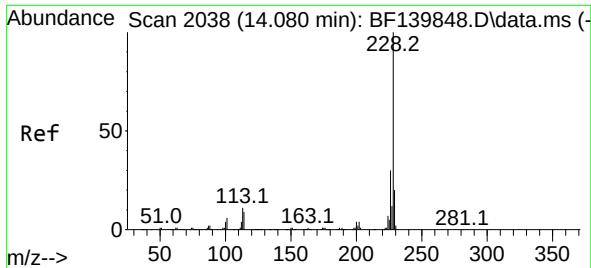
Reviewed By :Yogesh Patel 11/04/2024
 Supervised By :mohammad ahmed 11/04/2024



#81
 Benzo(a)anthracene
 Concen: 25.159 ng
 RT: 14.063 min Scan# 2035
 Delta R.T. 0.024 min
 Lab File: BF140192.D
 Acq: 31 Oct 2024 16:35

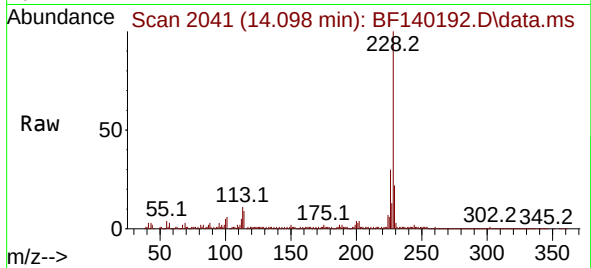
Tgt Ion:228 Resp: 280074
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.6 32.4
 229 21.4 16.1 24.1





#83
Chrysene
Concen: 21.817 ng
RT: 14.098 min Scan# 2038
Delta R.T. 0.018 min
Lab File: BF140192.D
Acq: 31 Oct 2024 16:35

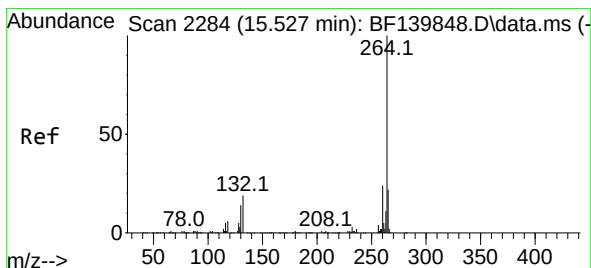
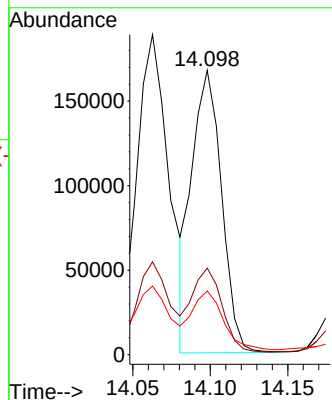
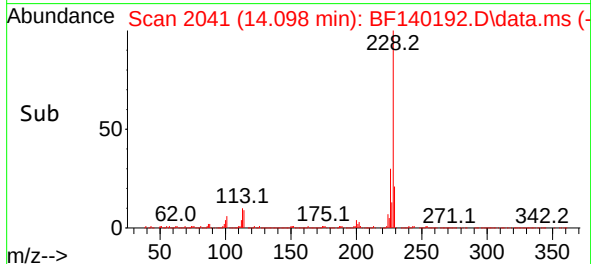
Instrument :
BNA_F
ClientSampleId :
SU-03-102924DL



Tgt Ion:228 Resp: 222689
Ion Ratio Lower Upper
228 100
226 30.5 24.1 36.1
229 22.4 15.8 23.6

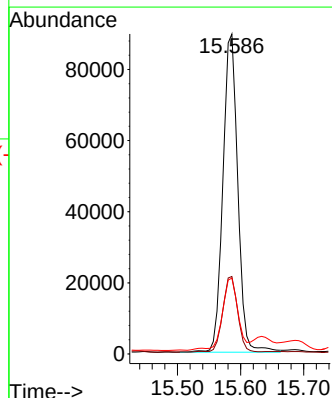
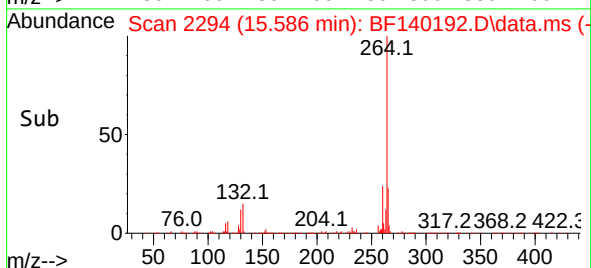
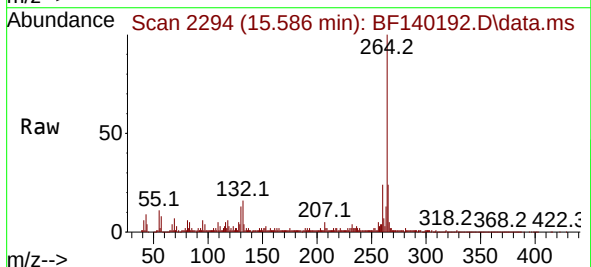
Manual Integrations
APPROVED

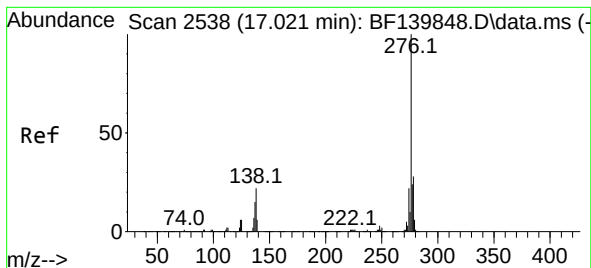
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 2294
Delta R.T. 0.059 min
Lab File: BF140192.D
Acq: 31 Oct 2024 16:35

Tgt Ion:264 Resp: 146324
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.2
265 23.7 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 13.245 ng m

RT: 17.110 min Scan# 21

Delta R.T. 0.088 min

Lab File: BF140192.D

Acq: 31 Oct 2024 16:35

Instrument :

BNA_F

ClientSampleId :

SU-03-102924DL

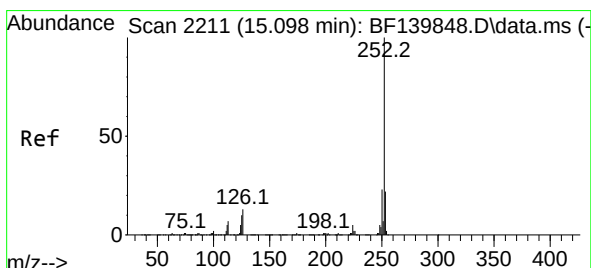
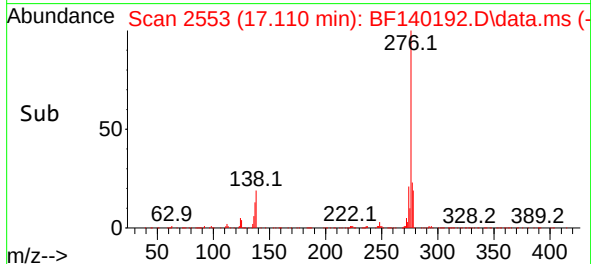
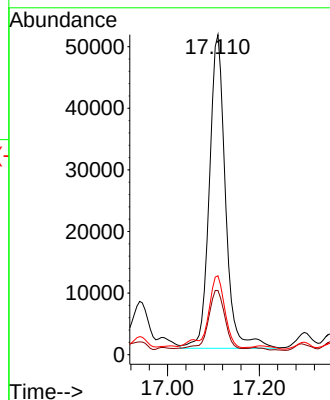
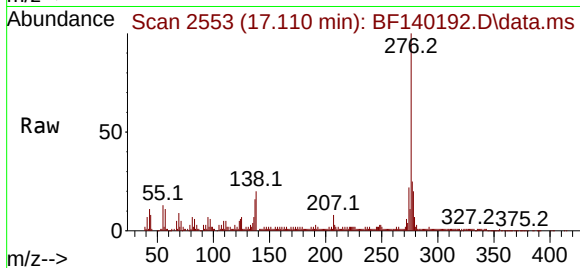
Tgt Ion:	276	Resp:	12468
Ion Ratio	Lower	Upper	
276	100		
138	3.5	20.4	30.6
277	4.1	20.2	30.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#88

Benzo(b)fluoranthene

Concen: 30.831 ng m

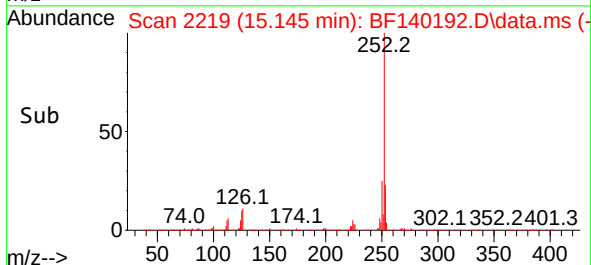
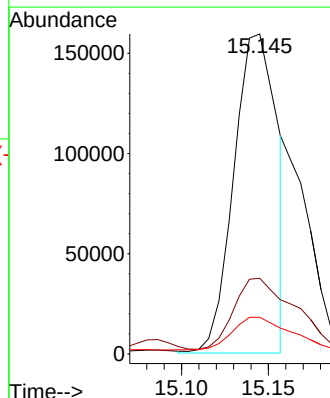
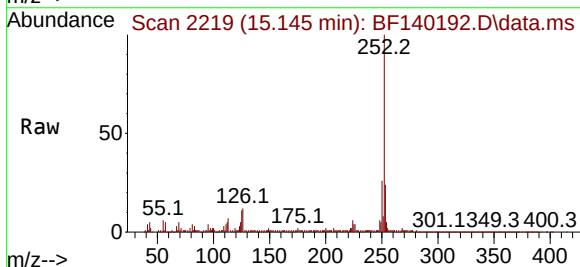
RT: 15.145 min Scan# 2219

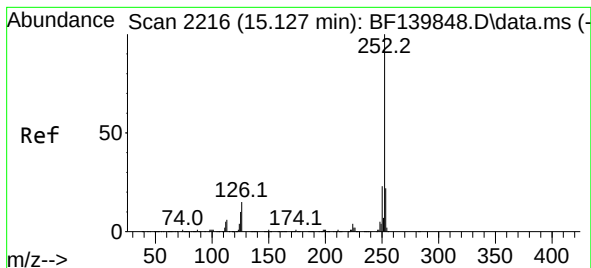
Delta R.T. 0.047 min

Lab File: BF140192.D

Acq: 31 Oct 2024 16:35

Tgt Ion:	252	Resp:	274811
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.6	26.4
125	11.5	7.9	11.9





#89

Benzo(k)fluoranthene

Concen: 13.600 ng m

RT: 15.157 min Scan# 21

Delta R.T. 0.030 min

Lab File: BF140192.D

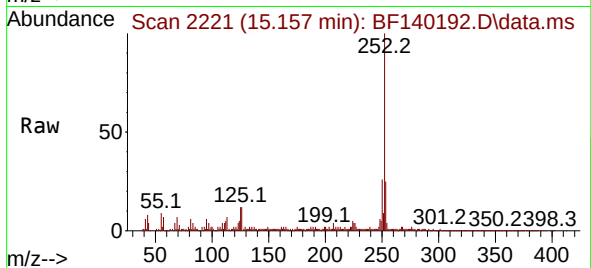
Acq: 31 Oct 2024 16:35

Instrument :

BNA_F

ClientSampleId :

SU-03-102924DL



Tgt Ion: 252 Resp: 10454

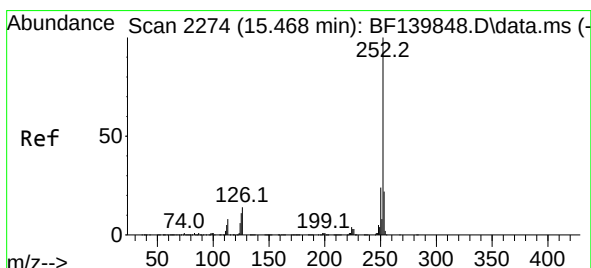
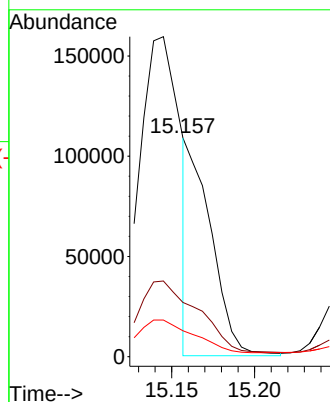
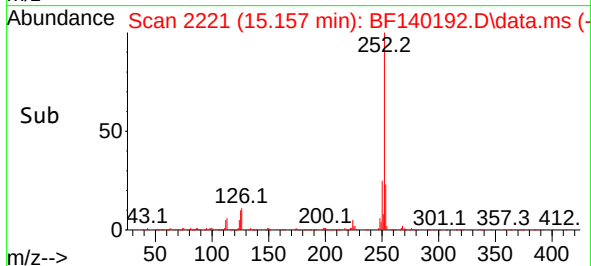
Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.6	26.4
125	11.8	7.9	11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#90

Benzo(a)pyrene

Concen: 28.721 ng

RT: 15.521 min Scan# 2283

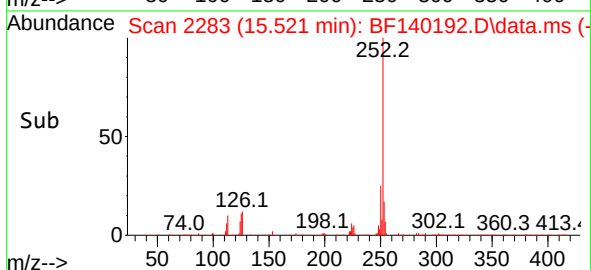
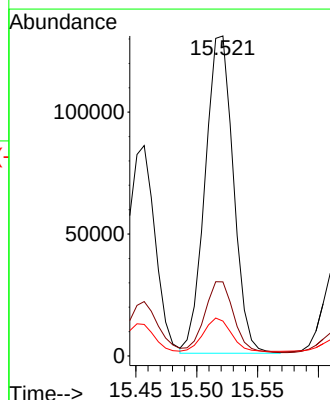
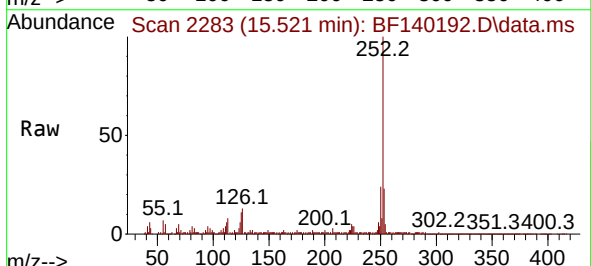
Delta R.T. 0.053 min

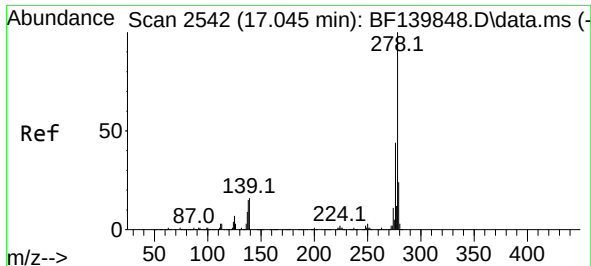
Lab File: BF140192.D

Acq: 31 Oct 2024 16:35

Tgt Ion: 252 Resp: 210650

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.3	25.9
125	10.9	8.7	13.1





#91
Dibenzo(a,h)anthracene
Concen: 3.330 ng
RT: 17.121 min Scan# 2614
Delta R.T. 0.077 min
Lab File: BF140192.D
Acq: 31 Oct 2024 16:35

Instrument :

BNA_F

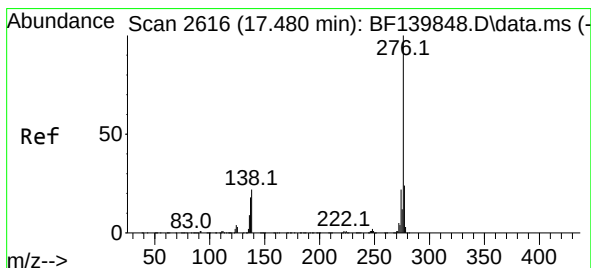
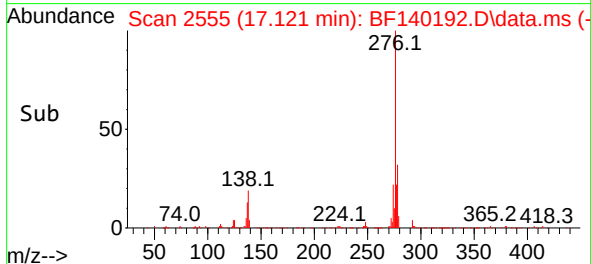
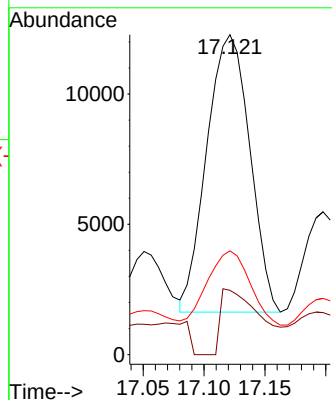
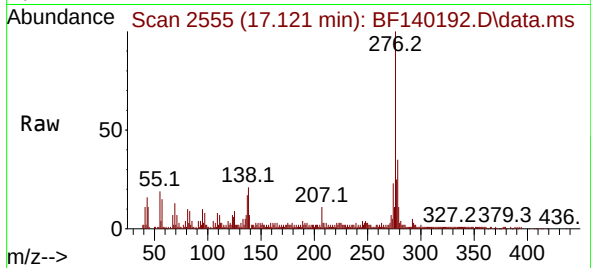
ClientSampleId :

SU-03-102924DL

Tgt Ion:278 Resp: 2614
Ion Ratio Lower Upper
278 100
139 20.1 13.1 19.7
279 32.4 19.0 28.4

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 14.767 ng
RT: 17.568 min Scan# 2631
Delta R.T. 0.088 min
Lab File: BF140192.D
Acq: 31 Oct 2024 16:35

Tgt Ion:276 Resp: 115834
Ion Ratio Lower Upper
276 100
277 24.6 19.0 28.6
138 21.5 17.4 26.0

