

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102824\
 Data File : BF140098.D
 Acq On : 28 Oct 2024 20:23
 Operator : RC/JU
 Sample : P4575-01 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-102424

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/29/2024
 Supervised By :mohammad ahmed 10/30/2024

Quant Time: Oct 29 00:55:55 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	97803	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	326504	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	151348	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	272341	20.000	ng	0.00
76) Chrysene-d12	14.051	240	184056	20.000	ng	0.00
86) Perylene-d12	15.527	264	153389	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	84867	13.584	ng	0.00
7) Phenol-d6	6.498	99	100563	12.428	ng	-0.01
23) Nitrobenzene-d5	7.445	82	60287	10.234	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	19249	13.597	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	112782	12.316	ng	-0.01
79) Terphenyl-d14	12.992	244	127924	11.325	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.786	152	31020	2.529	ng	97
58) Fluorene	10.469	166	24670	2.845	ng	96
71) Phenanthrene	11.433	178	247621	19.249	ng	99
72) Anthracene	11.486	178	83843	6.680	ng	98
75) Fluoranthene	12.622	202	438530	33.721	ng	100
78) Pyrene	12.851	202	418699	25.988	ng	98
81) Benzo(a)anthracene	14.039	228	189393	15.807	ng	94
83) Chrysene	14.074	228	151487	13.790	ng	96
87) Indeno(1,2,3-cd)pyrene	17.021	276	58877	5.967	ng	# 93
88) Benzo(b)fluoranthene	15.098	252	149226m	15.971	ng	
89) Benzo(k)fluoranthene	15.110	252	65928m	8.181	ng	
90) Benzo(a)pyrene	15.463	252	113744	14.794	ng	96
92) Benzo(g,h,i)perylene	17.474	276	54990	6.688	ng	97

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

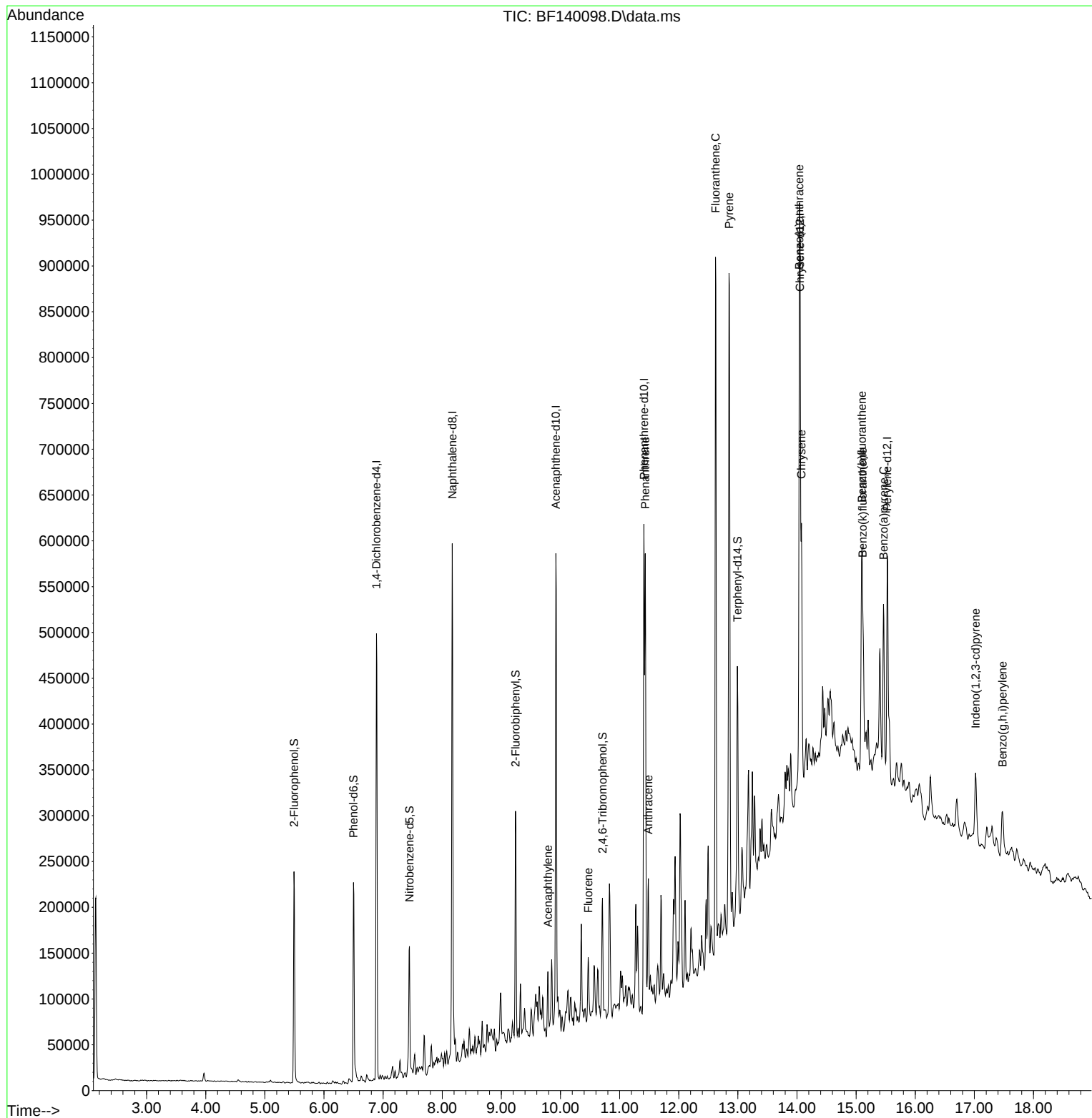
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102824\
Data File : BF140098.D
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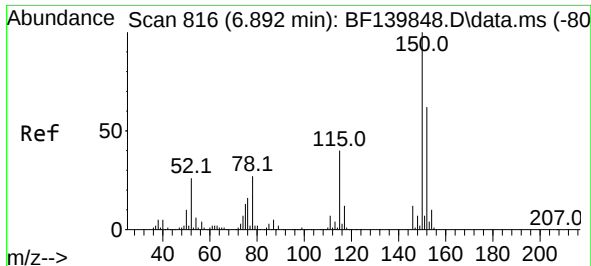
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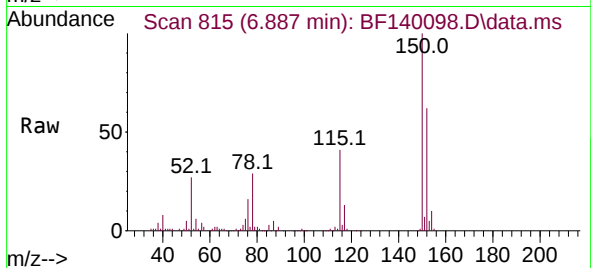
Quant Time: Oct 29 00:55:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140098.D
Acq: 28 Oct 2024 20:23

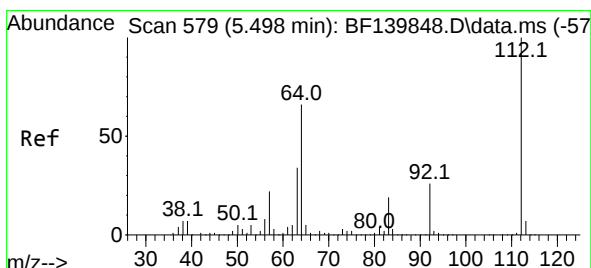
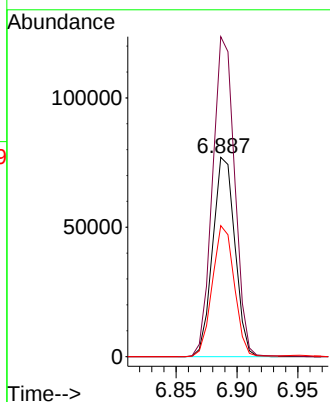
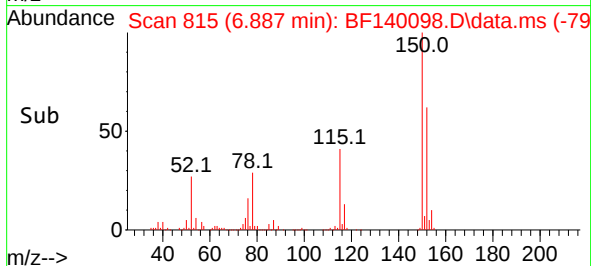
Instrument :
BNA_F
ClientSampleId :
PL-02-102424



Tgt Ion:152 Resp: 97803
Ion Ratio Lower Upper
152 100
150 160.6 130.2 195.2
115 65.7 51.4 77.2

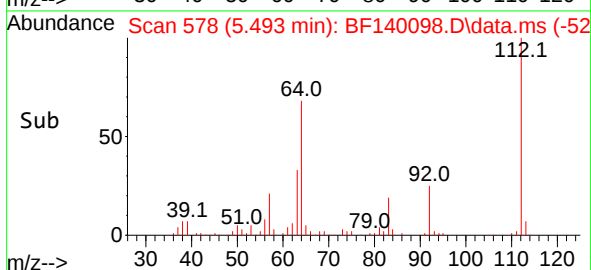
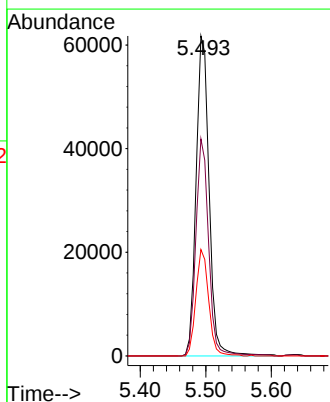
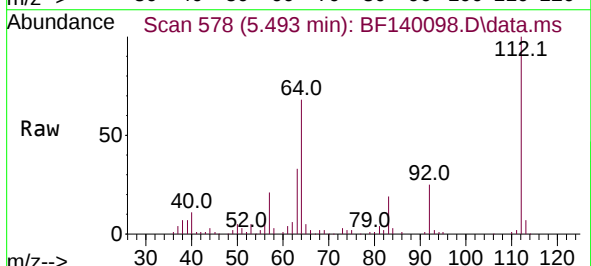
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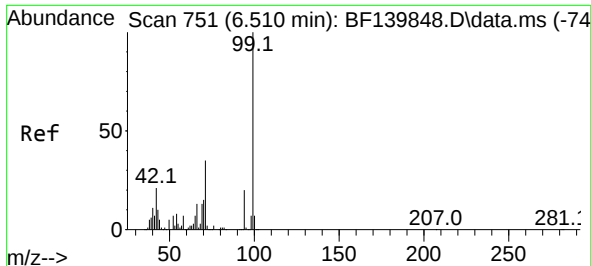
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



#5
2-Fluorophenol
Concen: 13.584 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140098.D
Acq: 28 Oct 2024 20:23

Tgt Ion:112 Resp: 84867
Ion Ratio Lower Upper
112 100
64 67.8 53.0 79.6
63 33.2 27.0 40.4





#7

Phenol-d6

Concen: 12.428 ng

RT: 6.498 min Scan# 74

Delta R.T. -0.012 min

Lab File: BF140098.D

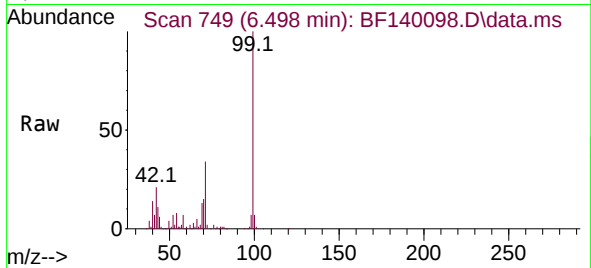
Acq: 28 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

PL-02-102424



Tgt Ion: 99 Resp: 100563

Ion Ratio Lower Upper

99 100

42 20.8 16.7 25.1

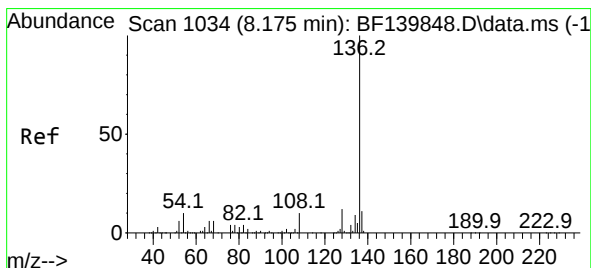
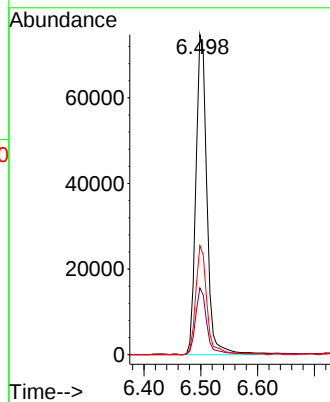
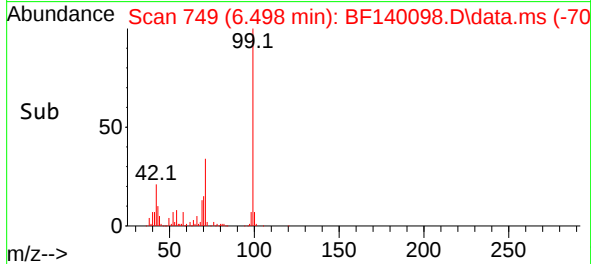
71 34.1 27.7 41.5

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1033

Delta R.T. -0.006 min

Lab File: BF140098.D

Acq: 28 Oct 2024 20:23

Tgt Ion:136 Resp: 326504

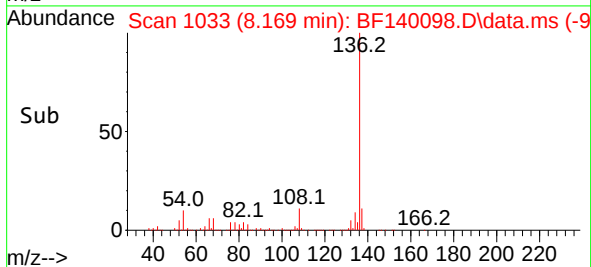
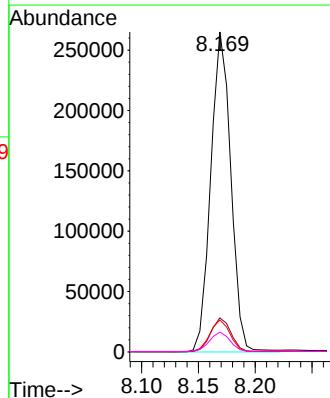
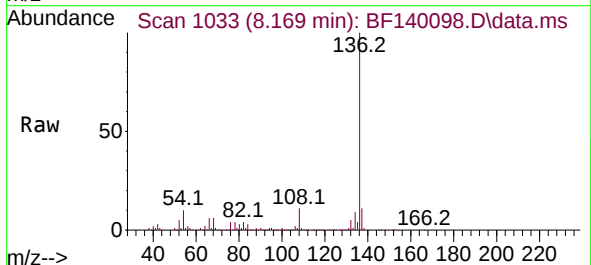
Ion Ratio Lower Upper

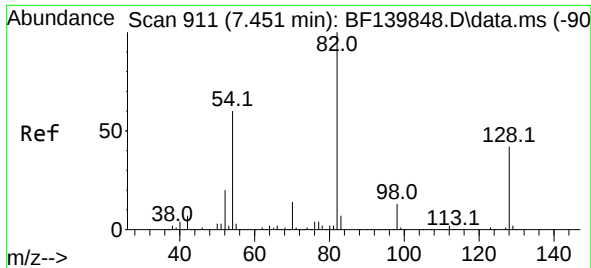
136 100

137 10.6 8.6 12.8

54 10.0 8.4 12.6

68 6.2 5.1 7.7





#23
Nitrobenzene-d5
Concen: 10.234 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF140098.D
Acq: 28 Oct 2024 20:23

Instrument :

BNA_F

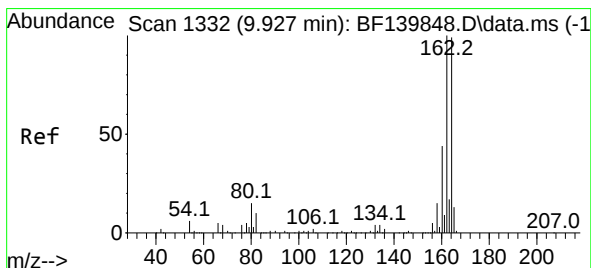
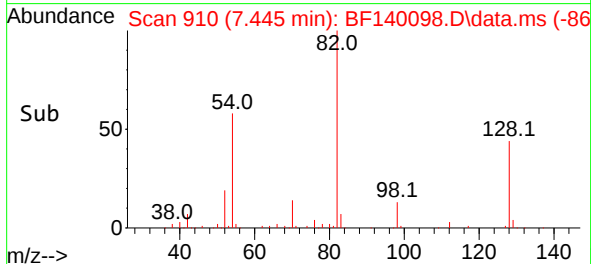
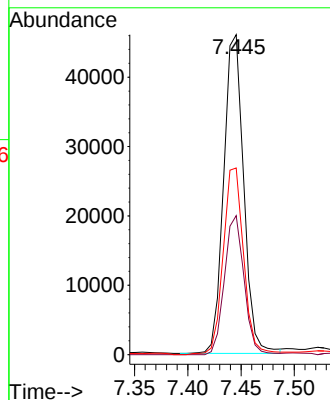
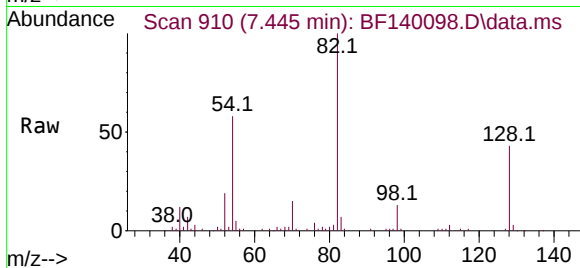
ClientSampleId :

PL-02-102424

Tgt Ion: 82 Resp: 6028
Ion Ratio Lower Upper
82 100
128 43.4 33.4 50.0
54 58.3 47.8 71.8

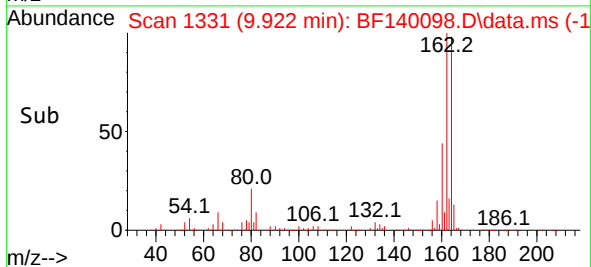
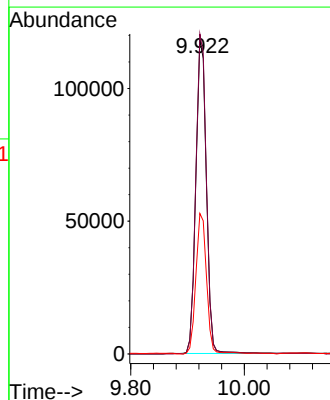
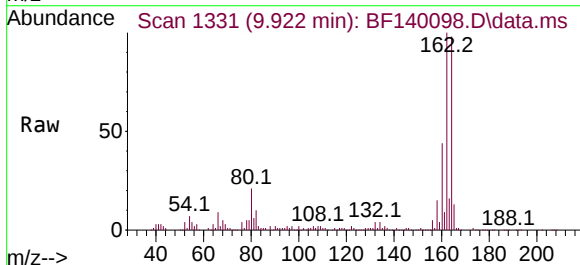
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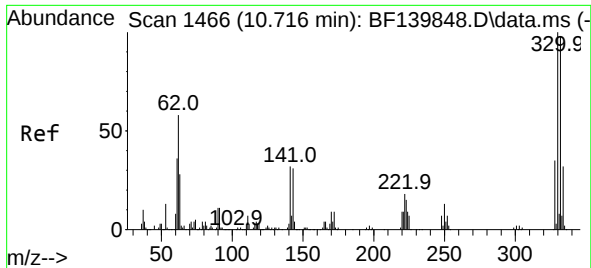
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140098.D
Acq: 28 Oct 2024 20:23

Tgt Ion:164 Resp: 151348
Ion Ratio Lower Upper
164 100
162 101.9 81.0 121.4
160 44.7 35.4 53.0





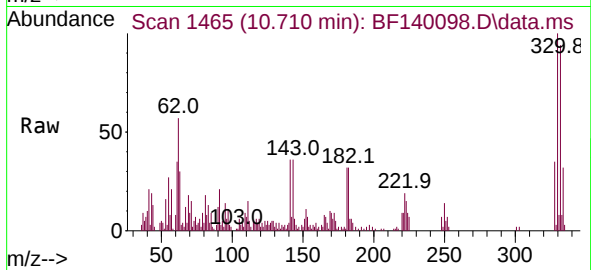
#42
2,4,6-Tribromophenol
Concen: 13.597 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF140098.D
Acq: 28 Oct 2024 20:23

Instrument :

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ClientSampleId :

PL-02-102424



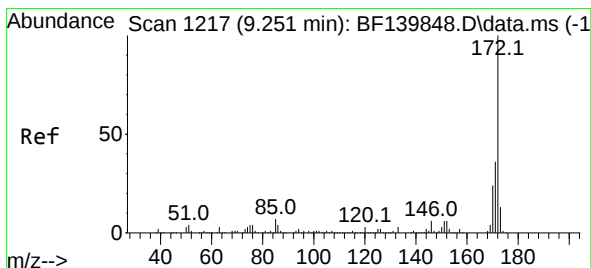
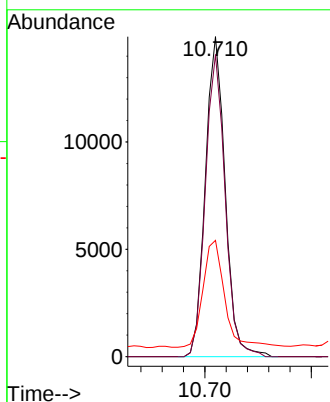
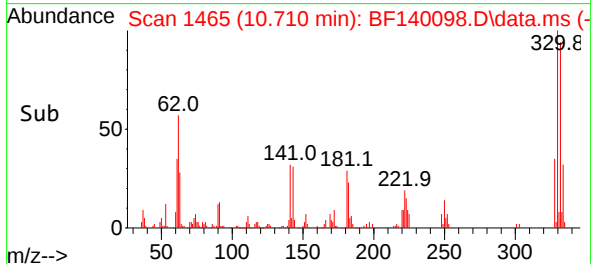
Tgt Ion:330 Resp: 19249
Ion Ratio Lower Upper
330 100
332 94.2 78.1 117.1
141 36.6 26.6 39.8

Manual Integrations

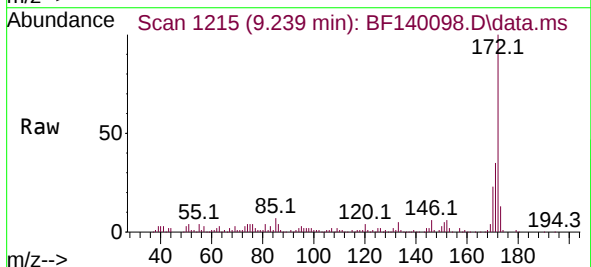
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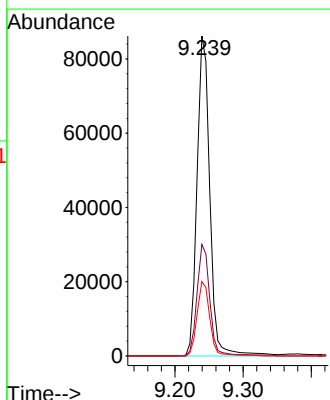
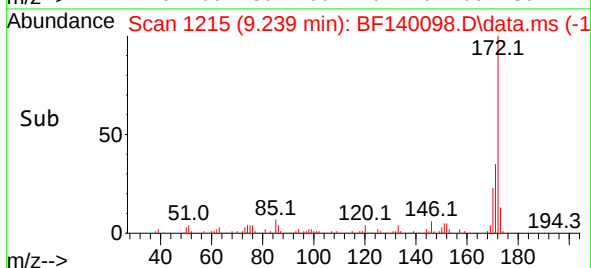
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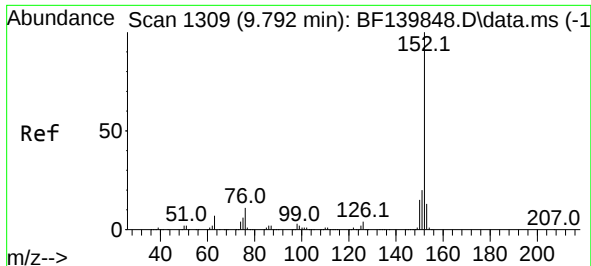


#45
2-Fluorobiphenyl
Concen: 12.316 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF140098.D
Acq: 28 Oct 2024 20:23



Tgt Ion:172 Resp: 112782
Ion Ratio Lower Upper
172 100
171 34.8 28.6 43.0
170 23.2 19.1 28.7





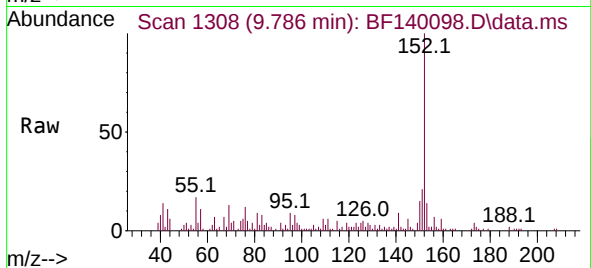
#49
Acenaphthylene
Concen: 2.529 ng
RT: 9.786 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF140098.D
Acq: 28 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

PL-02-102424

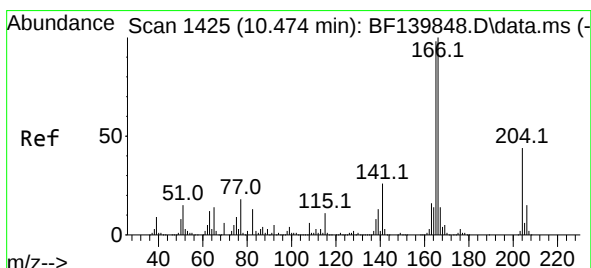
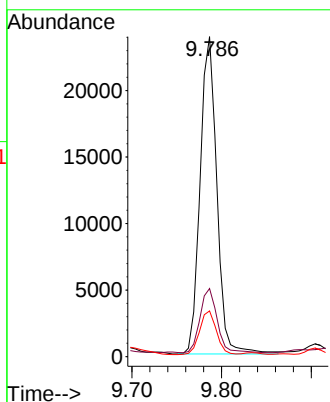
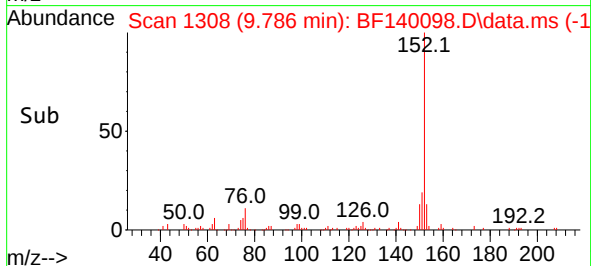


Tgt Ion:152 Resp: 31020
Ion Ratio Lower Upper
152 100
151 21.3 15.9 23.9
153 14.3 10.7 16.1

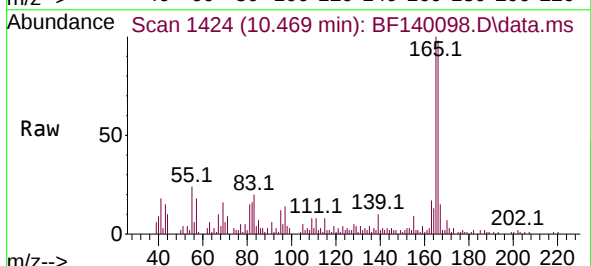
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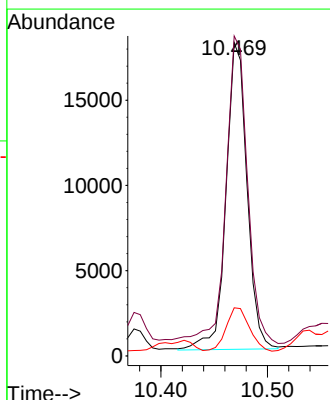
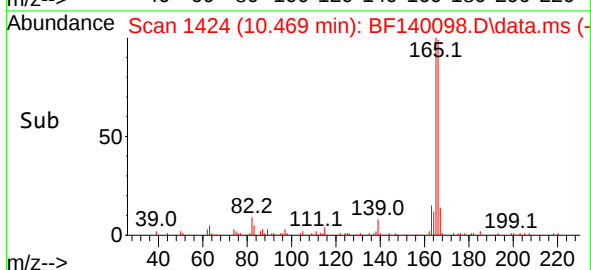
Reviewed By :Yogesh Patel 10/29/2024
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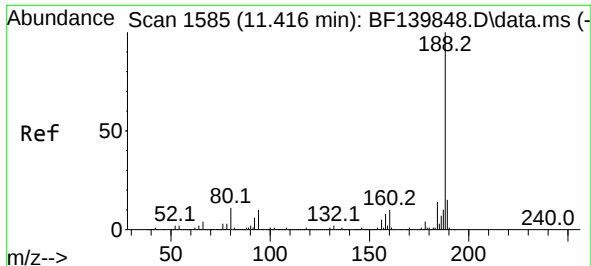


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Fluorene
Concen: 2.845 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF140098.D
Acq: 28 Oct 2024 20:23



Tgt Ion:166 Resp: 24670
Ion Ratio Lower Upper
166 100
165 102.2 78.5 117.7
167 15.4 10.9 16.3





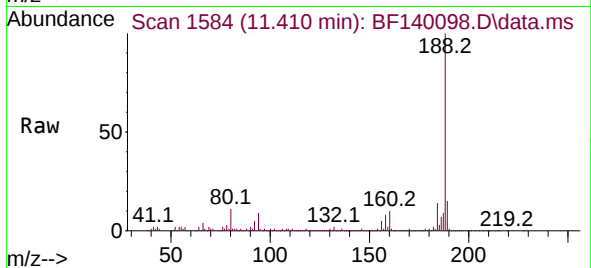
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Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140098.D
Acq: 28 Oct 2024 20:23

Instrument :

BNA_F

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PL-02-102424



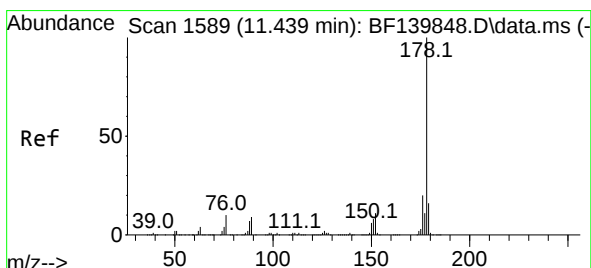
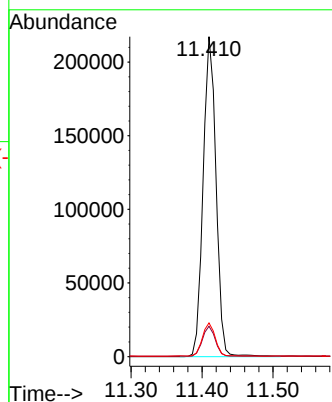
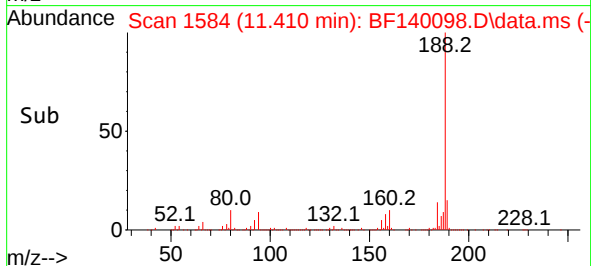
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Ion Ratio Lower Upper
188 100
94 9.5 7.9 11.9
80 10.5 9.0 13.4

Manual Integrations

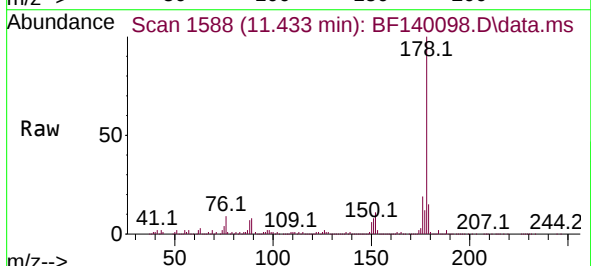
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Reviewed By :Yogesh Patel 10/29/2024

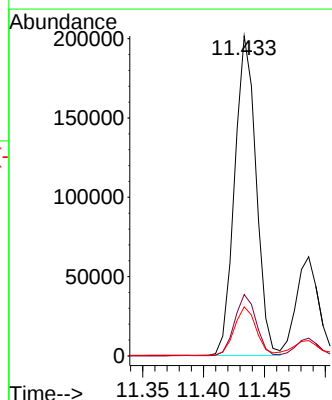
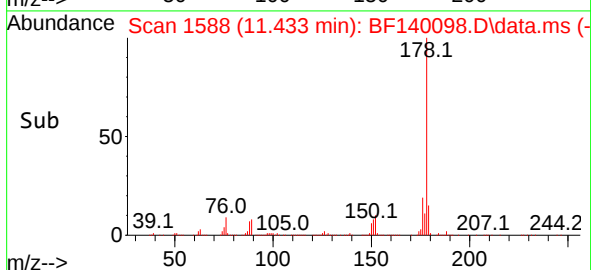
Supervised By :mohammad ahmed 10/30/2024

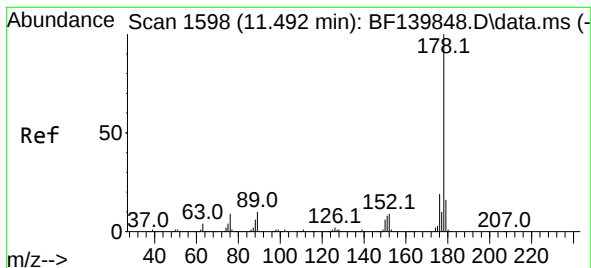


#71
Phenanthrene
Concen: 19.249 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF140098.D
Acq: 28 Oct 2024 20:23



Tgt Ion:178 Resp: 247621
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 15.4 12.6 18.8





#72
 Anthracene
 Concen: 6.680 ng
 RT: 11.486 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF140098.D
 Acq: 28 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

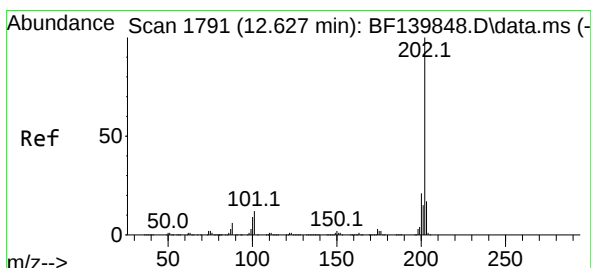
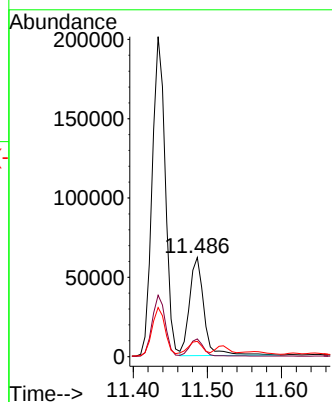
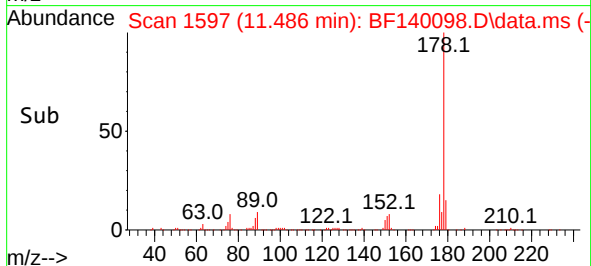
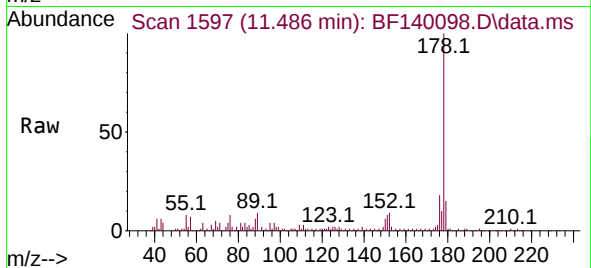
PL-02-102424

Tgt Ion:178 Resp: 83843
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.3 22.9
 179 15.5 12.4 18.6

Manual Integrations

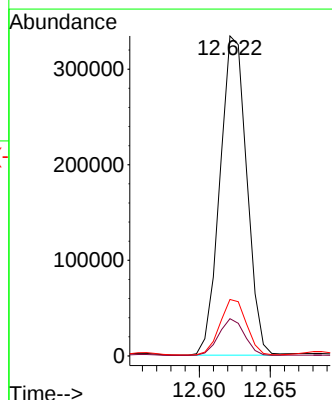
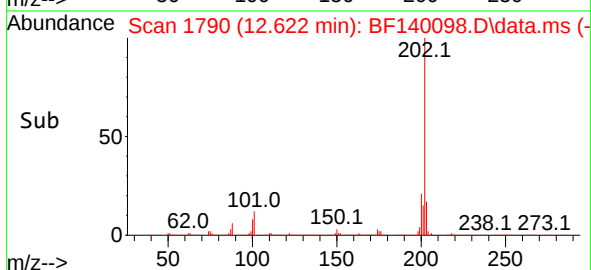
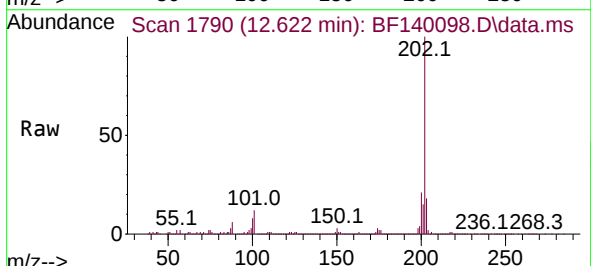
APPROVED

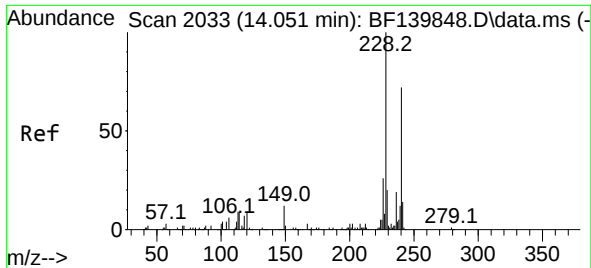
Reviewed By :Yogesh Patel 10/29/2024
 Supervised By :mohammad ahmed 10/30/2024



#75
 Fluoranthene
 Concen: 33.721 ng
 RT: 12.622 min Scan# 1790
 Delta R.T. -0.006 min
 Lab File: BF140098.D
 Acq: 28 Oct 2024 20:23

Tgt Ion:202 Resp: 438530
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 31.9
 203 17.6 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF140098.D
Acq: 28 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

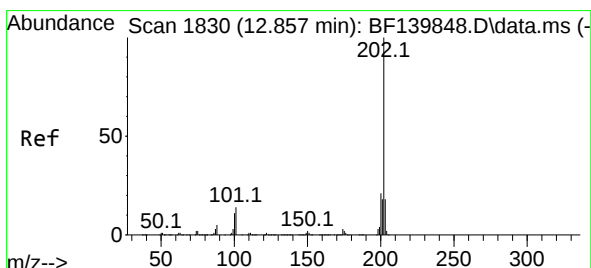
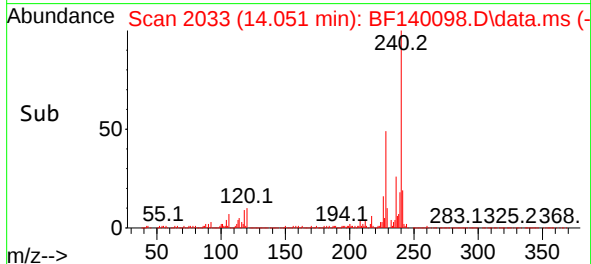
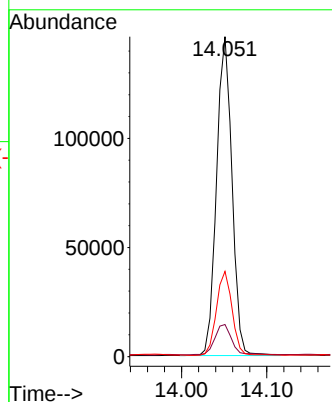
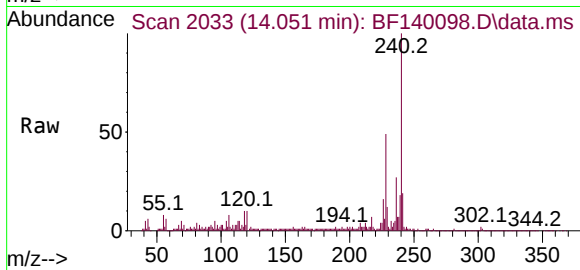
PL-02-102424

Tgt Ion:240 Resp: 184056
Ion Ratio Lower Upper
240 100
120 10.0 9.4 14.2
236 26.6 20.9 31.3

Manual Integrations

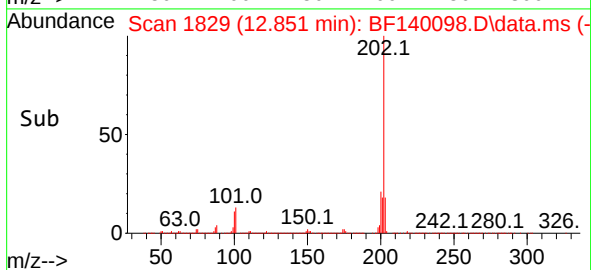
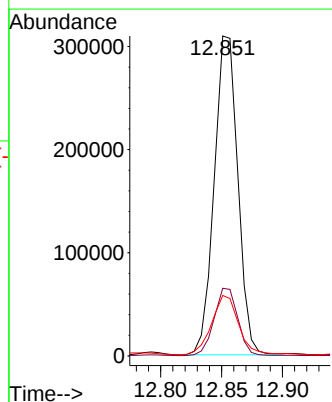
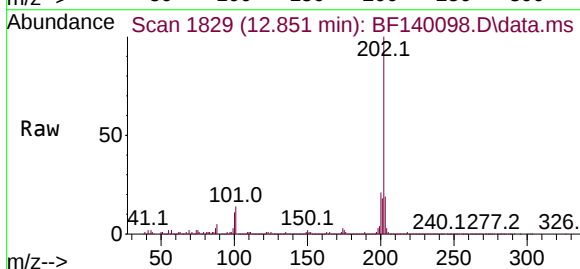
APPROVED

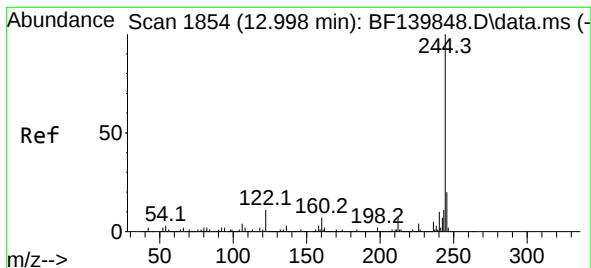
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



#78
Pyrene
Concen: 25.988 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF140098.D
Acq: 28 Oct 2024 20:23

Tgt Ion:202 Resp: 418699
Ion Ratio Lower Upper
202 100
200 21.1 17.2 25.8
203 18.9 14.2 21.4





#79

Terphenyl-d14

Concen: 11.325 ng

RT: 12.992 min Scan# 1854

Delta R.T. -0.006 min

Lab File: BF140098.D

Acq: 28 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

PL-02-102424

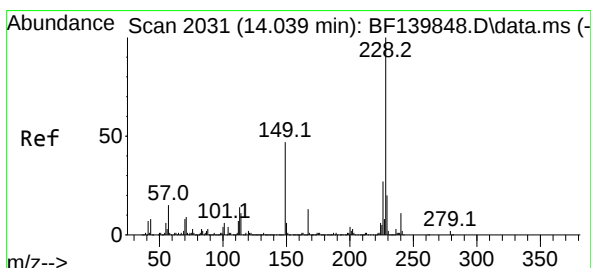
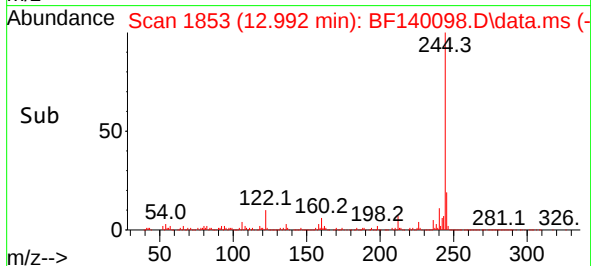
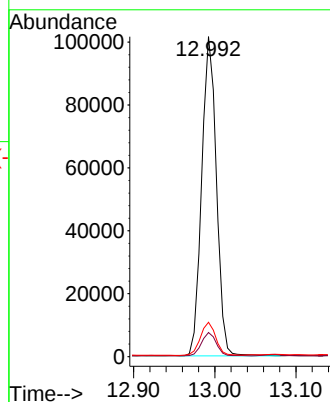
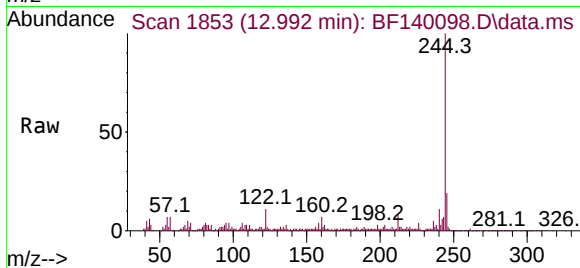
Tgt Ion:244 Resp: 127924
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.7 8.5
 122 10.7 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/30/2024



#81

Benzo(a)anthracene

Concen: 15.807 ng

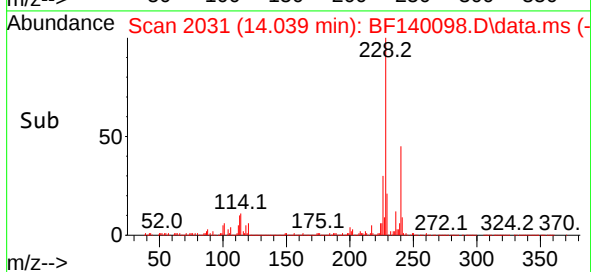
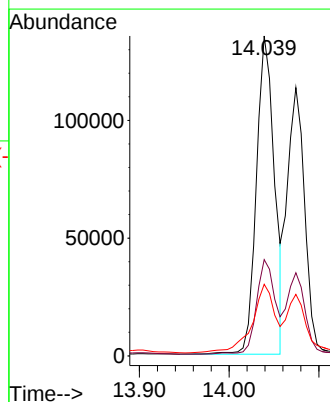
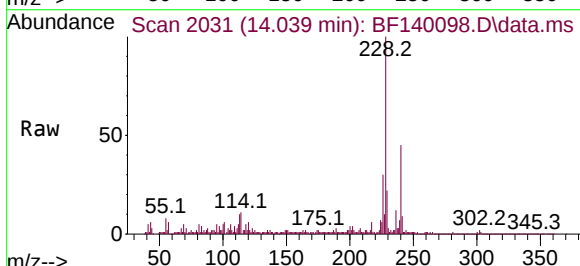
RT: 14.039 min Scan# 2031

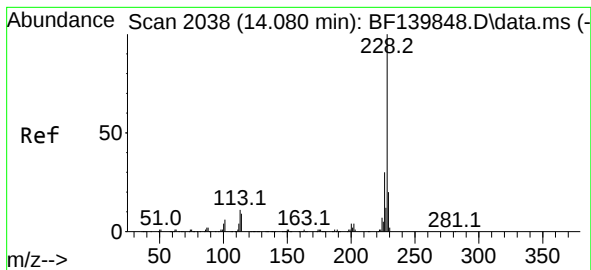
Delta R.T. 0.000 min

Lab File: BF140098.D

Acq: 28 Oct 2024 20:23

Tgt Ion:228 Resp: 189393
 Ion Ratio Lower Upper
 228 100
 226 30.1 21.6 32.4
 229 22.4 16.1 24.1





#83

Chrysene

Concen: 13.790 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF140098.D

Acq: 28 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

PL-02-102424

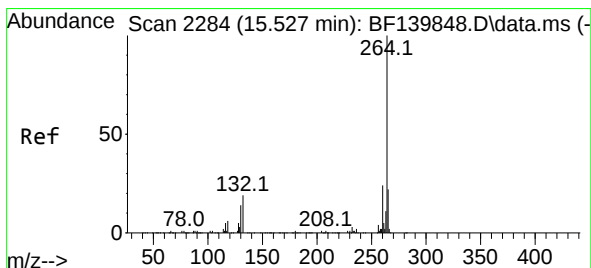
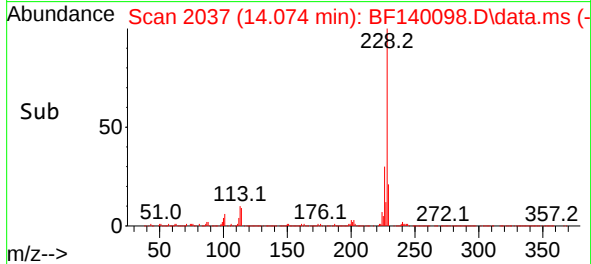
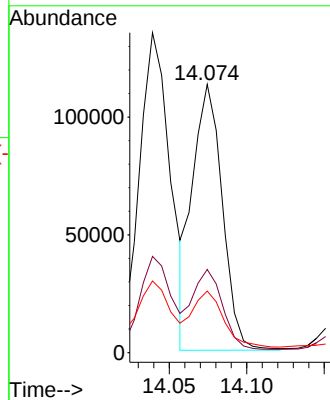
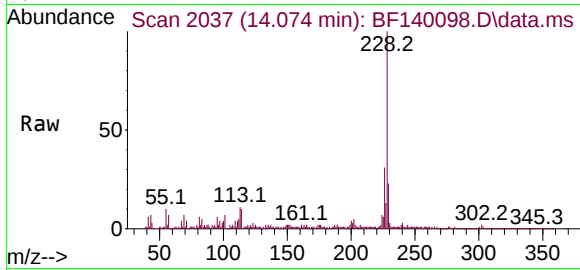
Tgt Ion:	228	Resp:	15148
Ion Ratio	Lower	Upper	
228	100		
226	31.0	24.1	36.1
229	22.9	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/30/2024



#86

Perylene-d12

Concen: 20.000 ng

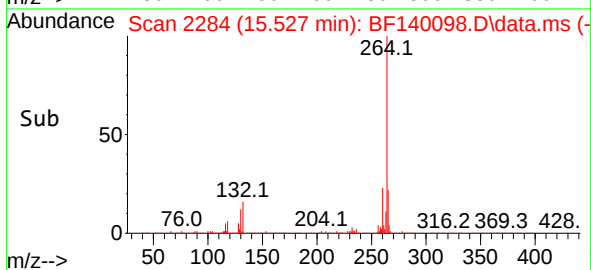
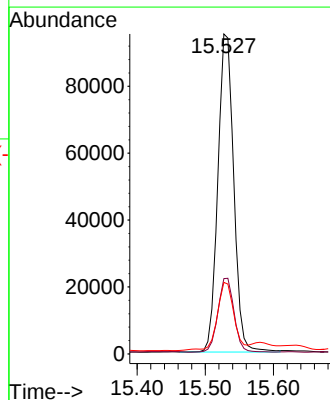
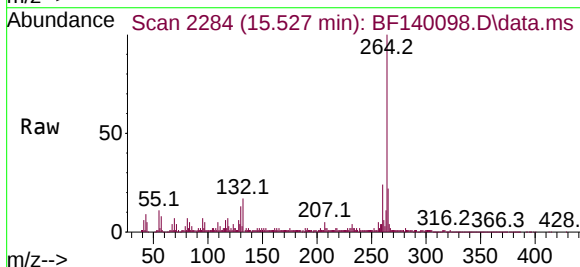
RT: 15.527 min Scan# 2284

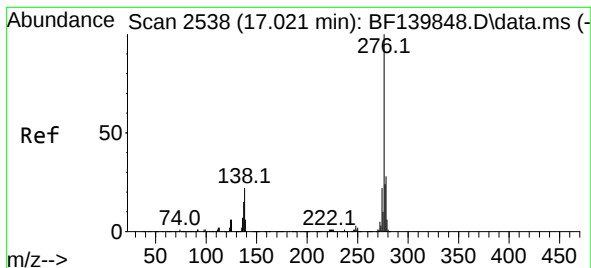
Delta R.T. 0.000 min

Lab File: BF140098.D

Acq: 28 Oct 2024 20:23

Tgt Ion:	264	Resp:	153389
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.4	29.2
265	22.4	17.4	26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.967 ng

RT: 17.021 min Scan# 2538

Delta R.T. 0.000 min

Lab File: BF140098.D

Acq: 28 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

PL-02-102424

Tgt Ion: 276 Resp: 5887

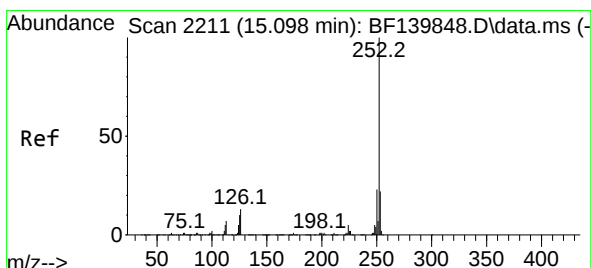
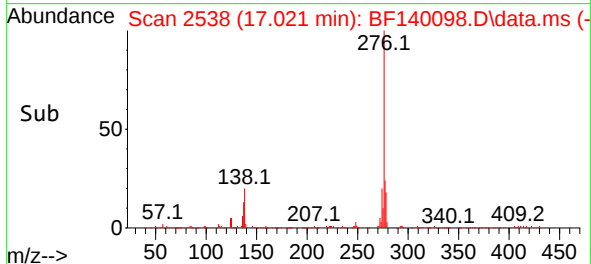
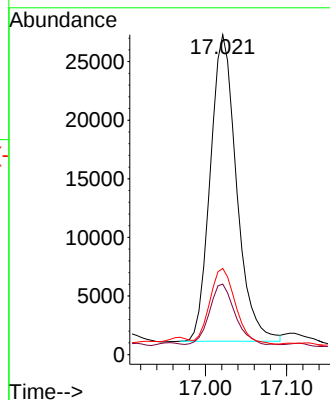
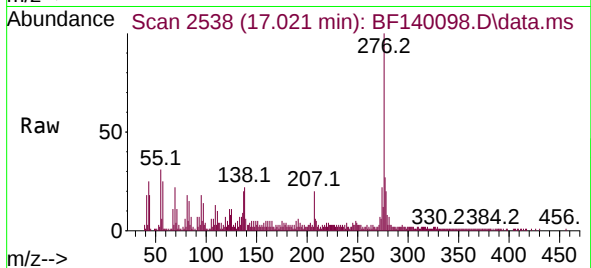
Ion	Ratio	Lower	Upper
276	100		
138	19.8	20.4	30.6
277	24.0	20.2	30.4

Manual Integrations

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Reviewed By : Yogesh Patel 10/29/2024

Supervised By : mohammad ahmed 10/30/2024



#88

Benzo(b)fluoranthene

Concen: 15.971 ng m

RT: 15.098 min Scan# 2211

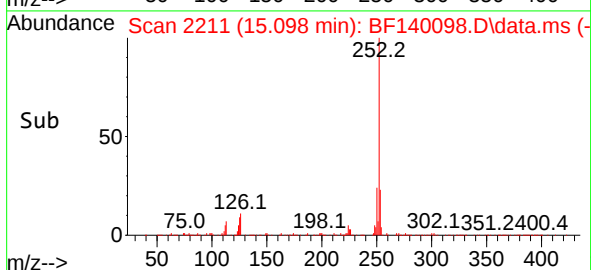
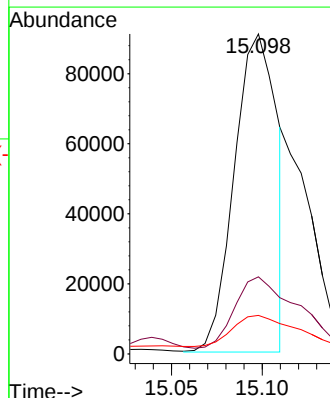
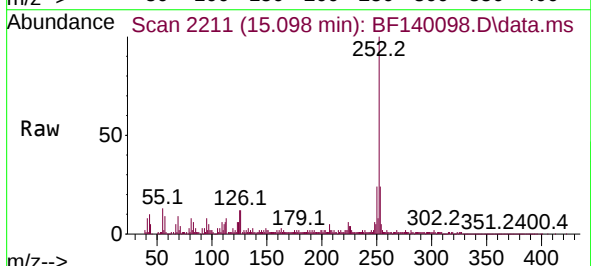
Delta R.T. 0.000 min

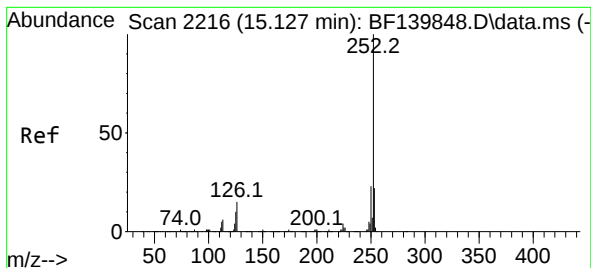
Lab File: BF140098.D

Acq: 28 Oct 2024 20:23

Tgt Ion: 252 Resp: 149226

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.6	26.4
125	12.0	7.9	11.9





#89

Benzo(k)fluoranthene

Concen: 8.181 ng m

RT: 15.110 min Scan# 2216

Delta R.T. -0.017 min

Lab File: BF140098.D

Acq: 28 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

PL-02-102424

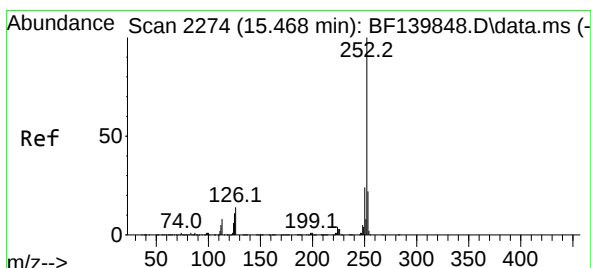
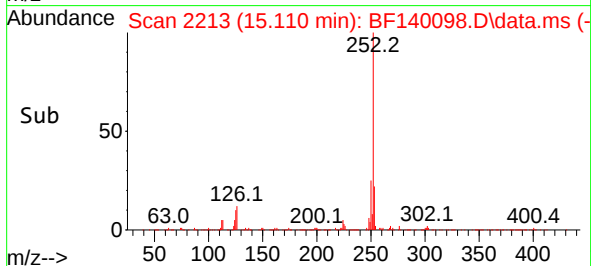
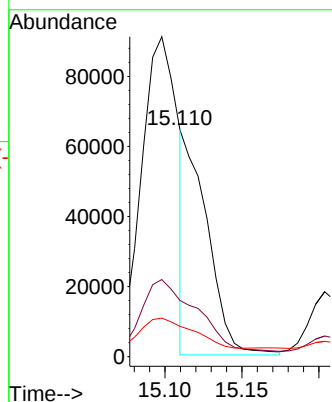
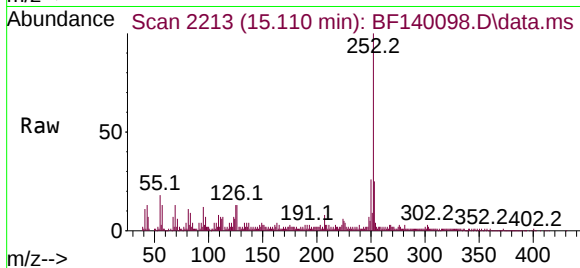
Tgt Ion:252 Resp: 65928
 Ion Ratio Lower Upper
 252 100
 253 24.8 17.6 26.4
 125 13.4 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/30/2024



#90

Benzo(a)pyrene

Concen: 14.794 ng

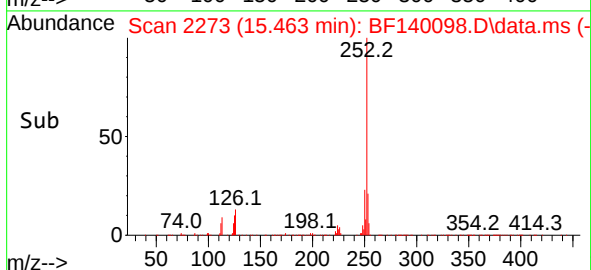
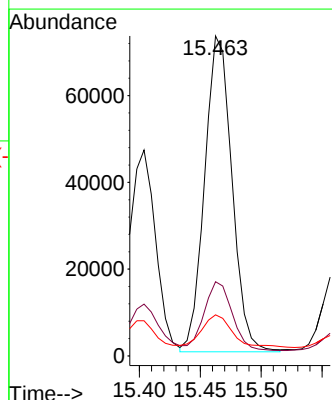
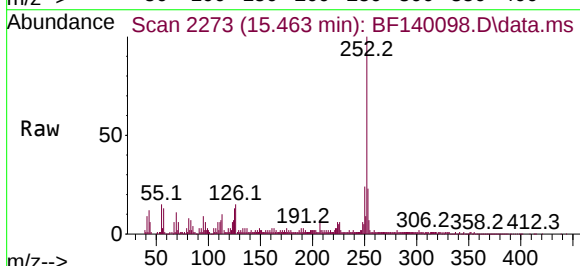
RT: 15.463 min Scan# 2273

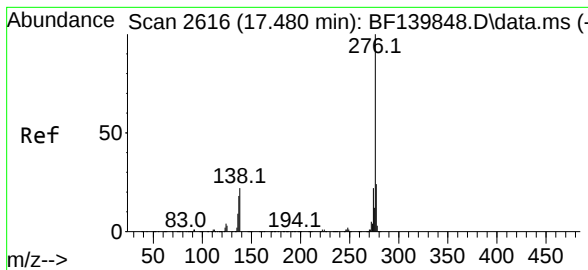
Delta R.T. -0.006 min

Lab File: BF140098.D

Acq: 28 Oct 2024 20:23

Tgt Ion:252 Resp: 113744
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.3 25.9
 125 12.8 8.7 13.1





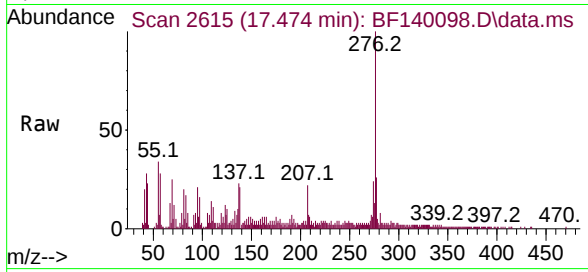
#92
 Benzo(g,h,i)perylene
 Concen: 6.688 ng
 RT: 17.474 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF140098.D
 Acq: 28 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

PL-02-102424



Tgt Ion:276	Resp:	54990
Ion	Ratio	Lower Upper
276	100	
277	26.0	19.0 28.6
138	21.3	17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/30/2024

