

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082823\
 Data File : BF134966.D
 Acq On : 28 Aug 2023 13:51
 Operator : CG\JU
 Sample : 04135-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 328

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/29/2023
 Supervised By :mohammad ahmed 08/29/2023

Quant Time: Aug 28 14:50:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 28 02:45:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	107954	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	431174	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	218830	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	393532	20.000	ng	0.00
76) Chrysene-d12	13.974	240	245498	20.000	ng	0.00
86) Perylene-d12	15.451	264	275177	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	608917	89.947	ng	0.00
7) Phenol-d6	6.428	99	766593	88.619	ng	-0.01
23) Nitrobenzene-d5	7.351	82	477809	61.063	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	230742	89.530	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	922228	65.149	ng	-0.01
79) Terphenyl-d14	12.916	244	901367	50.499	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.375	166	29372	2.125	ng	96
71) Phenanthrene	11.345	178	415739	20.160	ng	99
72) Anthracene	11.392	178	98311	4.653	ng	99
75) Fluoranthene	12.539	202	607818	31.107	ng	99
78) Pyrene	12.769	202	505904	19.436	ng	100
81) Benzo(a)anthracene	13.963	228	266158	15.890	ng	97
83) Chrysene	13.998	228	238463	14.429	ng	97
84) Bis(2-ethylhexyl)phtha...	13.963	149	32897	3.829	ng	95
87) Indeno(1,2,3-cd)pyrene	16.939	276	125411	6.376	ng	97
88) Benzo(b)fluoranthene	15.021	252	364511m	23.478	ng	
89) Benzo(k)fluoranthene	15.045	252	97920m	6.423	ng	
90) Benzo(a)pyrene	15.386	252	227673	14.690	ng	99
91) Dibenzo(a,h)anthracene	16.951	278	33284	2.091	ng	94
92) Benzo(g,h,i)perylene	17.386	276	113400	6.961	ng	98

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

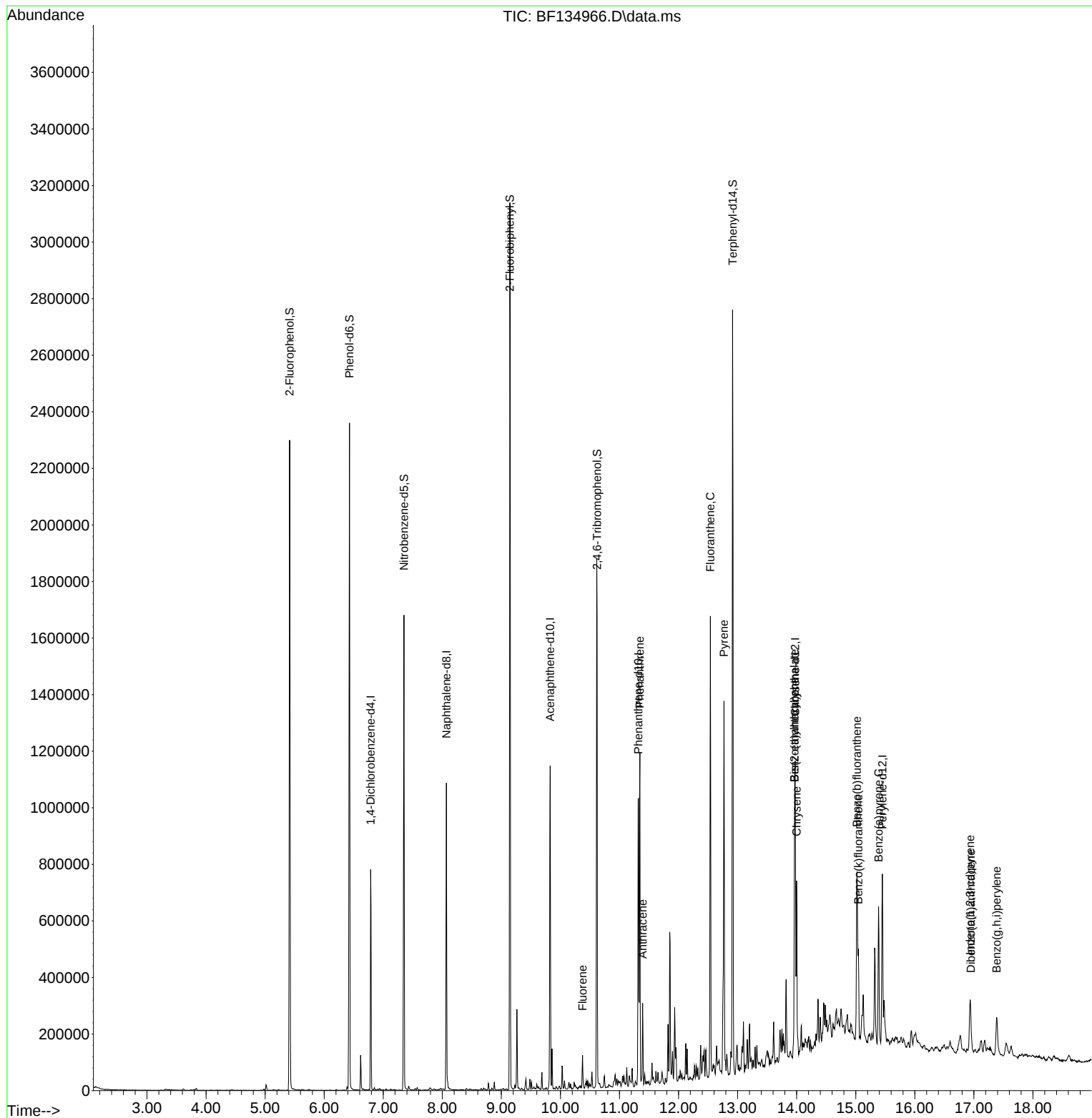
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082823\
Data File : BF134966.D
Acq On : 28 Aug 2023 13:51
Operator : CG\JU
Sample : 04135-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

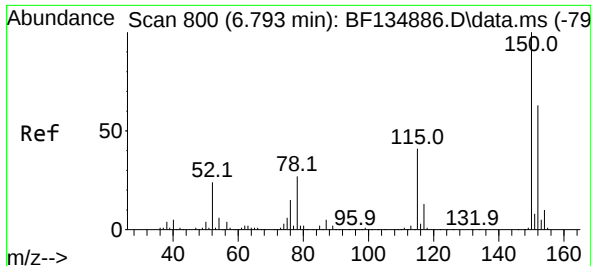
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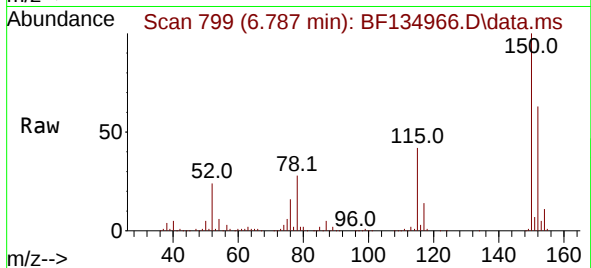
Quant Time: Aug 28 14:50:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 28 02:45:19 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 799
Delta R.T. -0.006 min
Lab File: BF134966.D
Acq: 28 Aug 2023 13:51

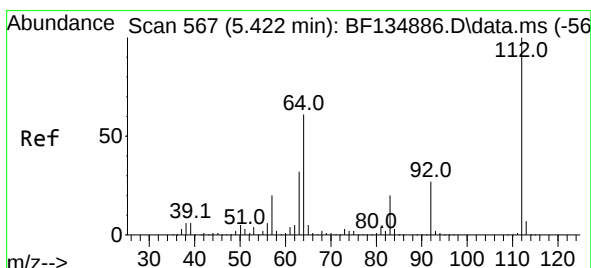
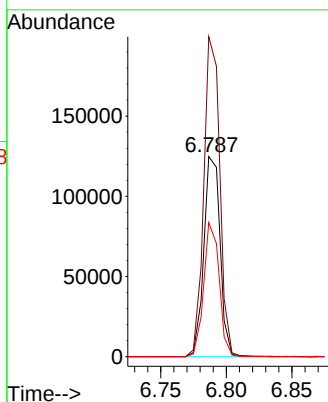
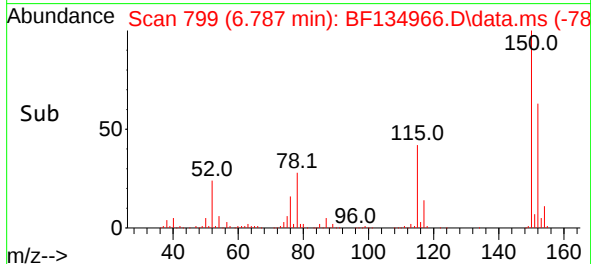
Instrument :
BNA_F
ClientSampleId :
328



Tgt Ion:152 Resp: 107954
Ion Ratio Lower Upper
152 100
150 159.9 126.1 189.1
115 67.0 51.1 76.7

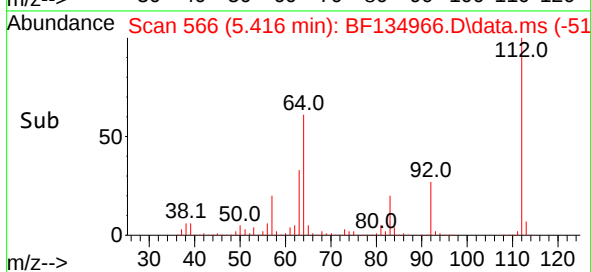
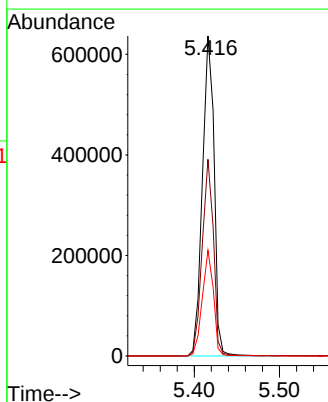
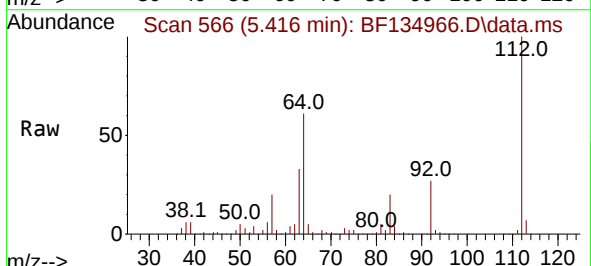
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#5
2-Fluorophenol
Concen: 89.947 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF134966.D
Acq: 28 Aug 2023 13:51

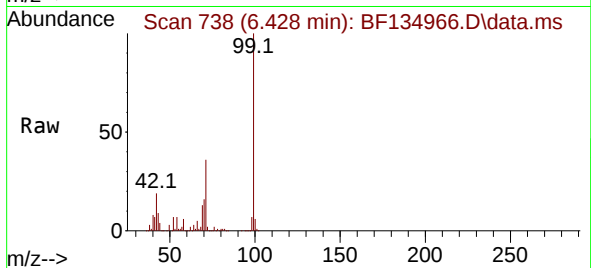
Tgt Ion:112 Resp: 608917
Ion Ratio Lower Upper
112 100
64 61.5 48.6 73.0
63 33.0 25.7 38.5





#7
Phenol-d6
Concen: 88.619 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134966.D
Acq: 28 Aug 2023 13:51

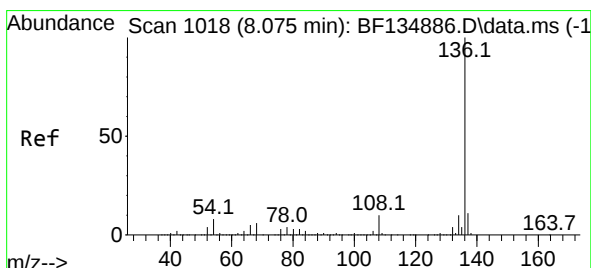
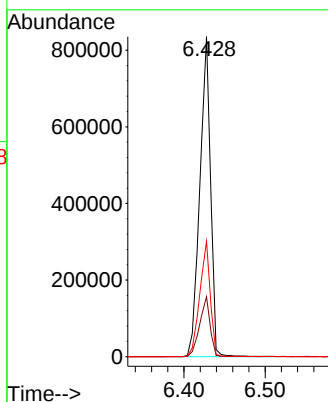
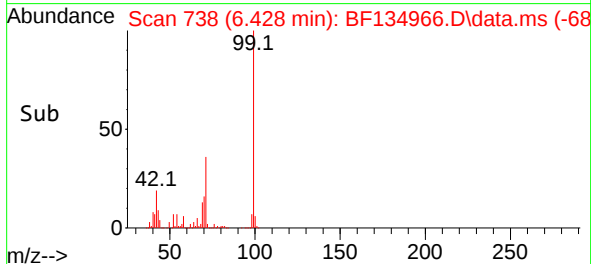
Instrument :
BNA_F
ClientSampleId :
328



Tgt Ion: 99 Resp: 76659
Ion Ratio Lower Upper
99 100
42 18.7 14.6 22.0
71 36.0 27.6 41.4

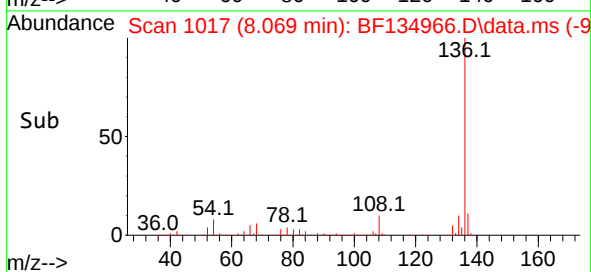
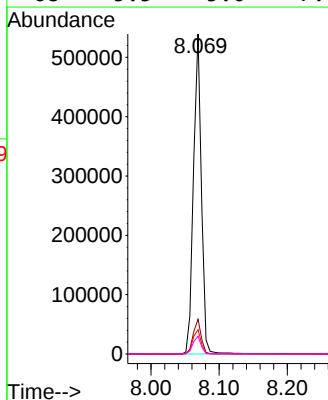
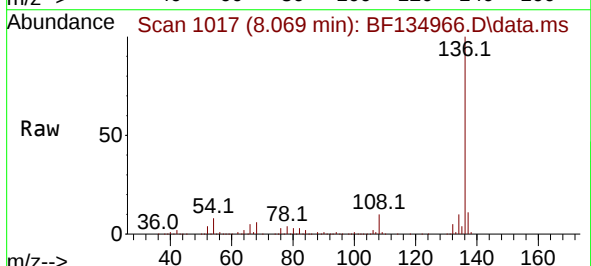
Manual Integrations
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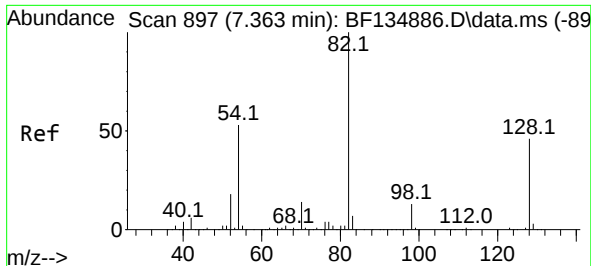
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF134966.D
Acq: 28 Aug 2023 13:51

Tgt Ion:136 Resp: 431174
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.6 6.6 9.8
68 5.5 5.0 7.4





#23

Nitrobenzene-d5

Concen: 61.063 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF134966.D

Acq: 28 Aug 2023 13:51

Instrument :

BNA_F

ClientSampleId :

328

Tgt Ion: 82 Resp: 477809

Ion Ratio Lower Upper

82 100

128 44.6 36.6 54.8

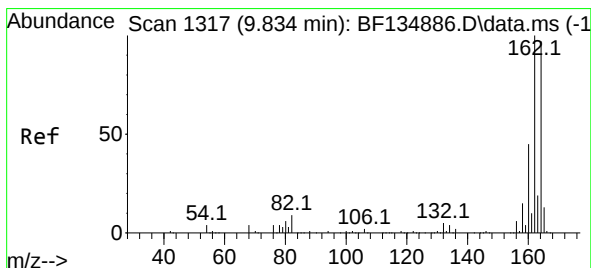
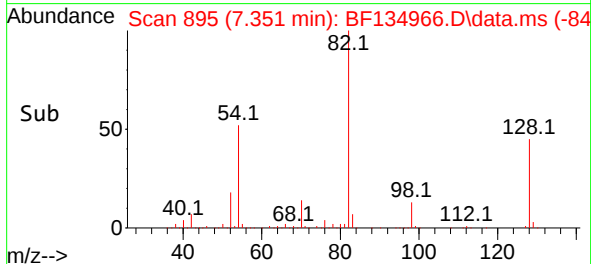
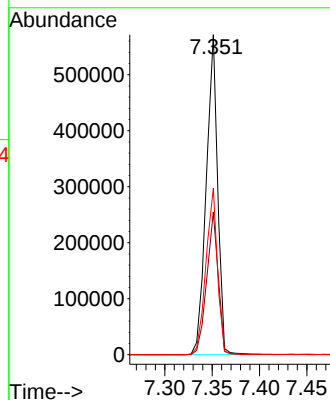
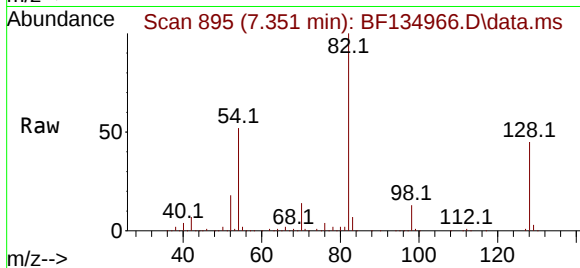
54 52.0 42.6 63.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF134966.D

Acq: 28 Aug 2023 13:51

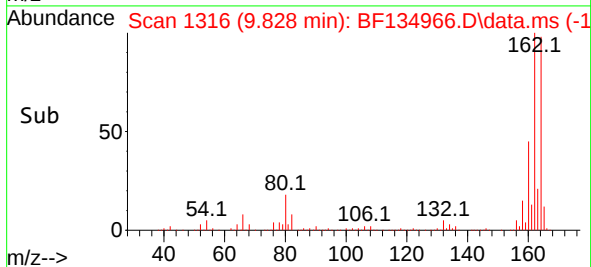
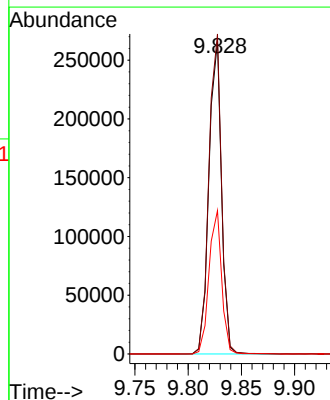
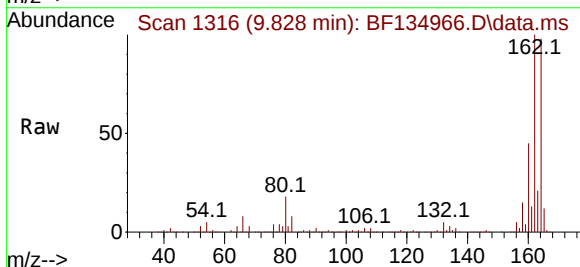
Tgt Ion:164 Resp: 218830

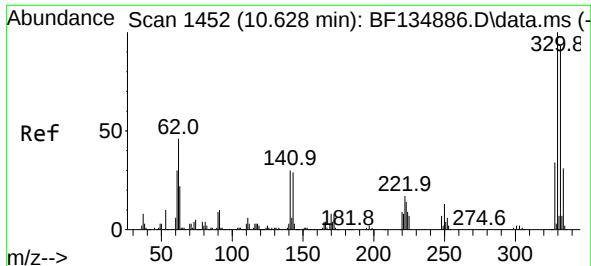
Ion Ratio Lower Upper

164 100

162 102.3 82.6 123.8

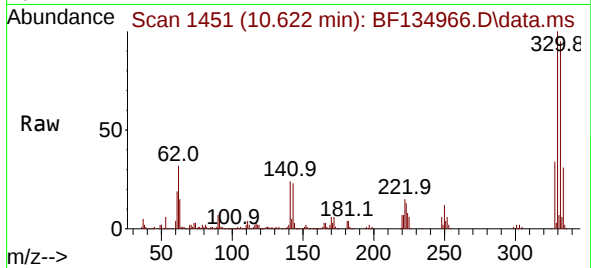
160 45.8 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 89.530 ng
RT: 10.622 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF134966.D
Acq: 28 Aug 2023 13:51

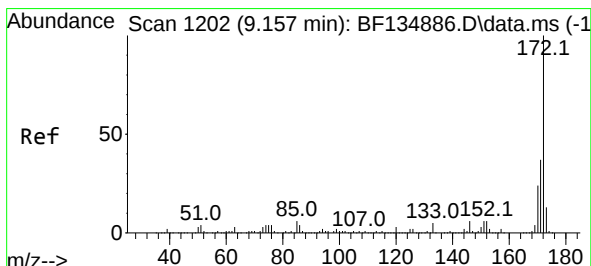
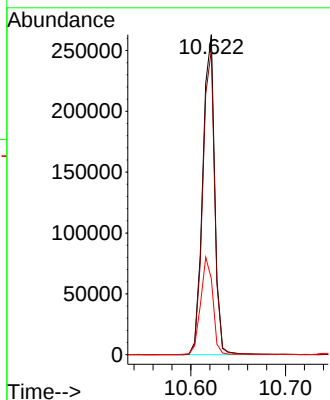
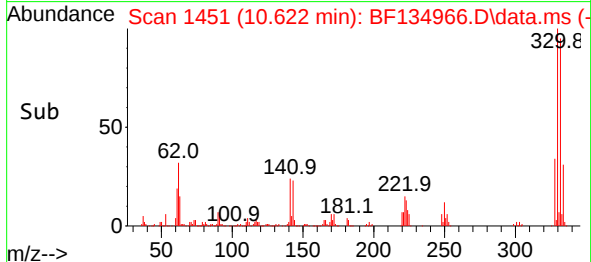
Instrument :
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ClientSampleId :
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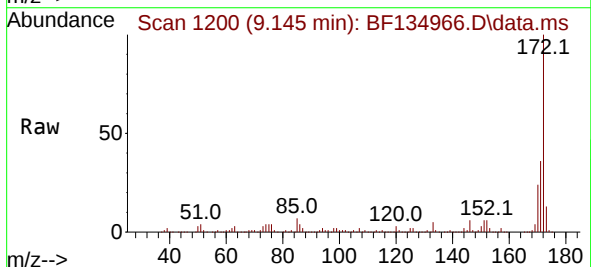
Tgt Ion:330 Resp: 23074
Ion Ratio Lower Upper
330 100
332 95.0 76.3 114.5
141 31.1 23.4 35.2

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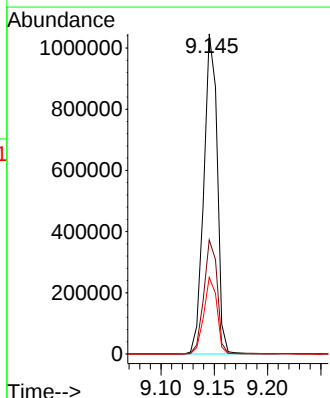
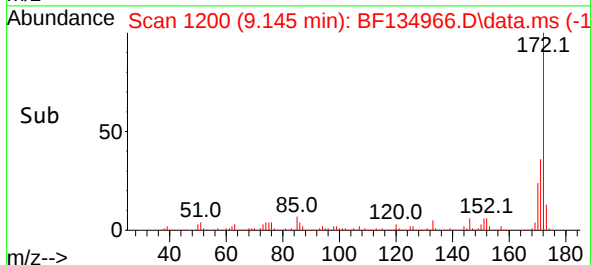
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023

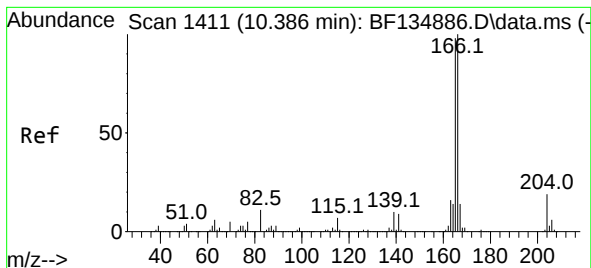


#45
2-Fluorobiphenyl
Concen: 65.149 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF134966.D
Acq: 28 Aug 2023 13:51



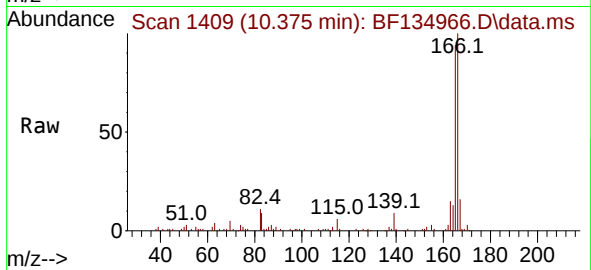
Tgt Ion:172 Resp: 922228
Ion Ratio Lower Upper
172 100
171 35.7 29.4 44.0
170 24.0 19.6 29.4





#58
Fluorene
Concen: 2.125 ng
RT: 10.375 min Scan# 1411
Delta R.T. -0.011 min
Lab File: BF134966.D
Acq: 28 Aug 2023 13:51

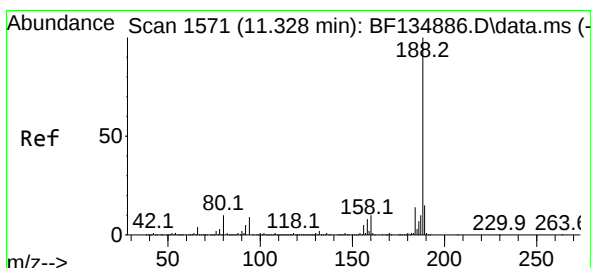
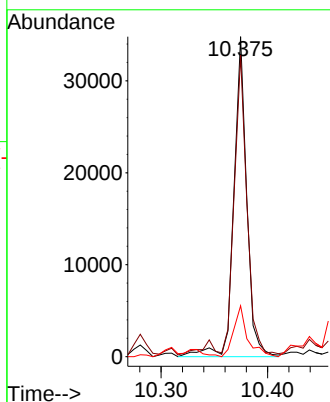
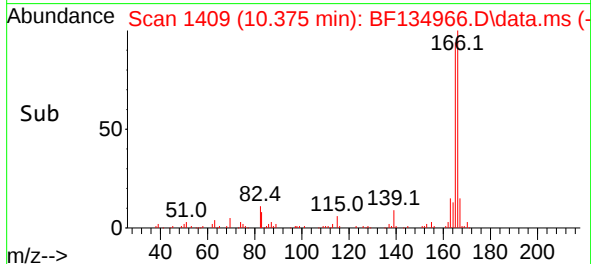
Instrument :
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ClientSampleId :
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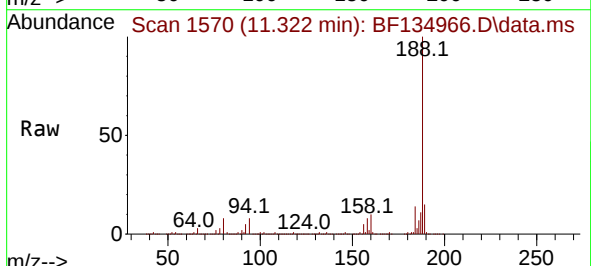
Tgt Ion:166 Resp: 29372
Ion Ratio Lower Upper
166 100
165 94.1 78.5 117.7
167 15.9 11.0 16.6

Manual Integrations
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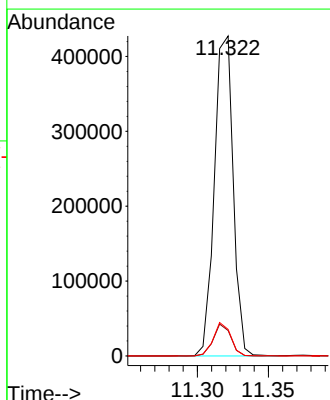
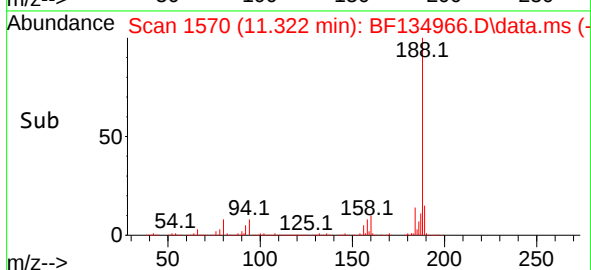
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023

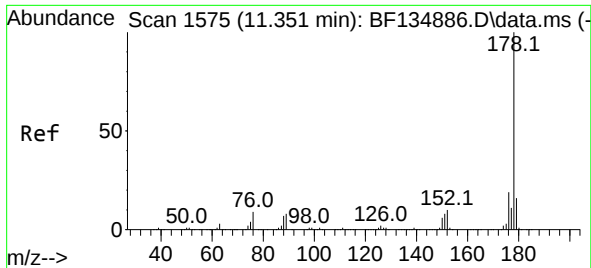


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF134966.D
Acq: 28 Aug 2023 13:51



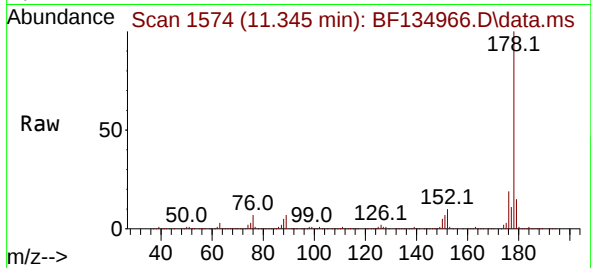
Tgt Ion:188 Resp: 393532
Ion Ratio Lower Upper
188 100
94 7.9 7.5 11.3
80 8.3 7.8 11.6





#71
Phenanthrene
Concen: 20.160 ng
RT: 11.345 min Scan# 11345
Delta R.T. -0.006 min
Lab File: BF134966.D
Acq: 28 Aug 2023 13:51

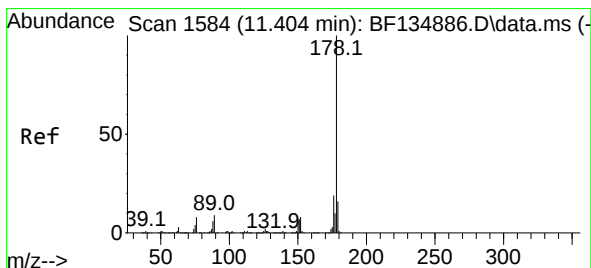
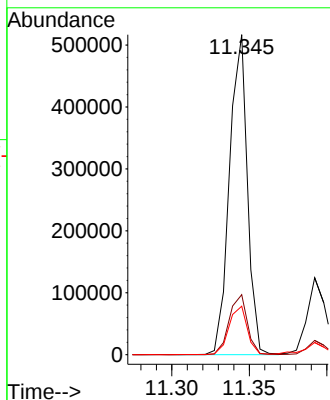
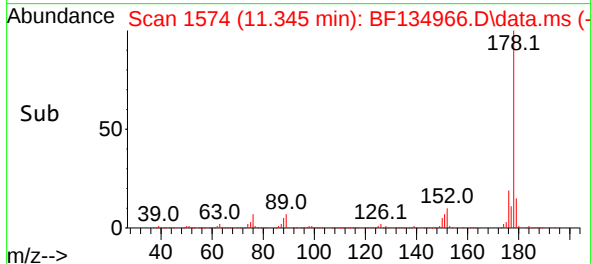
Instrument :
BNA_F
ClientSampleId :
328



Tgt Ion:178 Resp: 415739
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.2 12.6 19.0

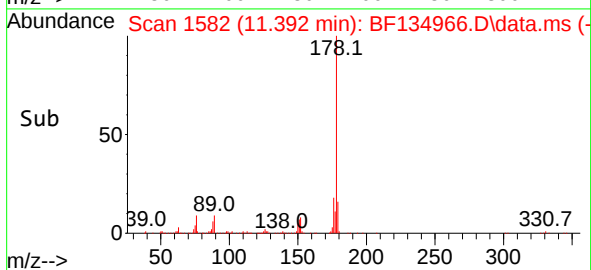
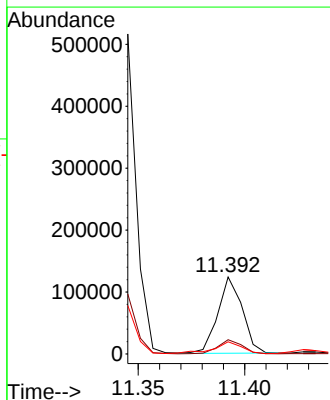
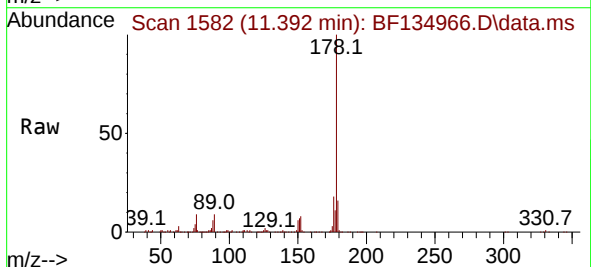
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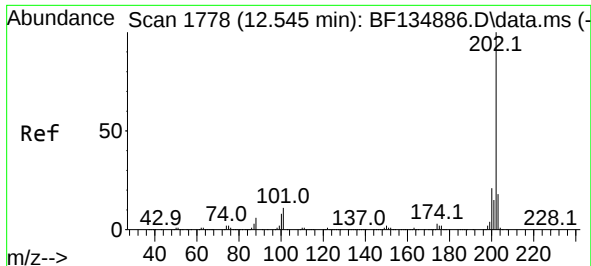
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#72
Anthracene
Concen: 4.653 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134966.D
Acq: 28 Aug 2023 13:51

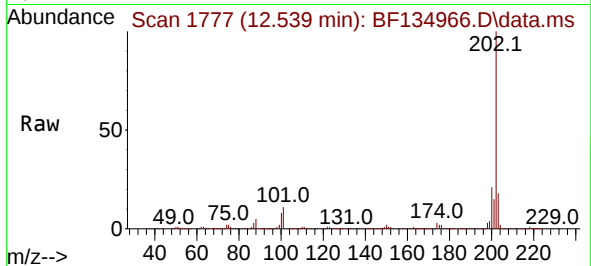
Tgt Ion:178 Resp: 98311
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.6
179 15.9 12.5 18.7





#75
Fluoranthene
Concen: 31.107 ng
RT: 12.539 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134966.D
Acq: 28 Aug 2023 13:51

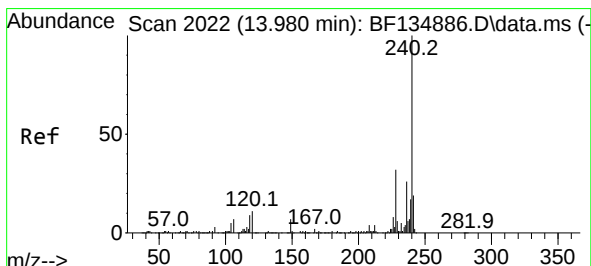
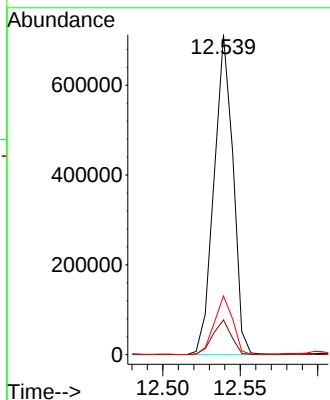
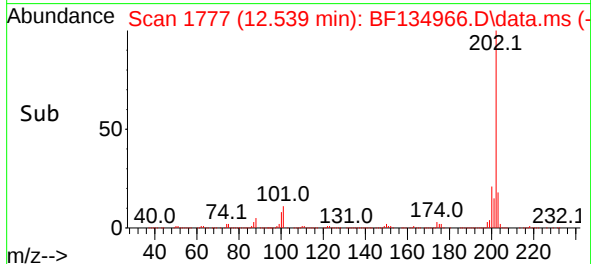
Instrument :
BNA_F
ClientSampleId :
328



Tgt Ion:202 Resp: 607818
Ion Ratio Lower Upper
202 100
101 10.8 0.0 30.5
203 18.3 0.0 37.8

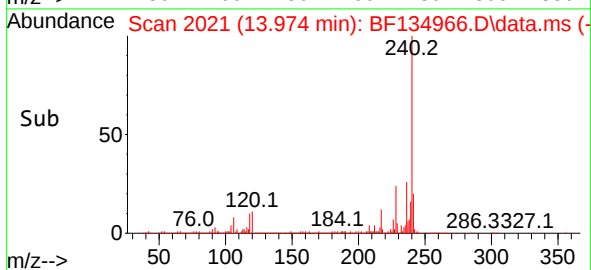
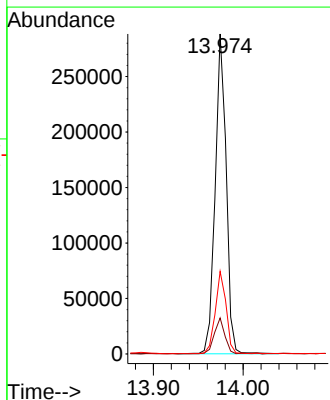
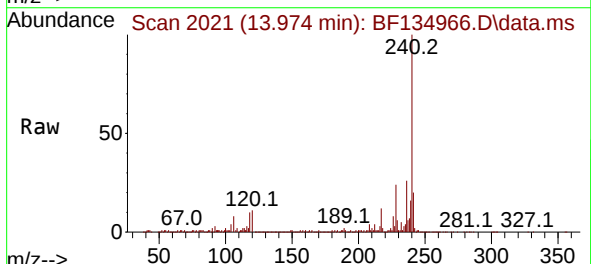
Manual Integrations
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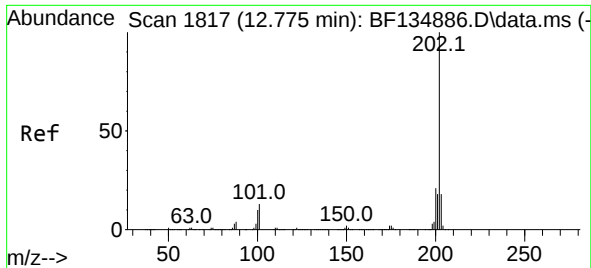
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF134966.D
Acq: 28 Aug 2023 13:51

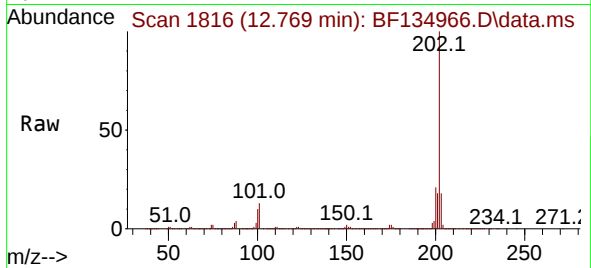
Tgt Ion:240 Resp: 245498
Ion Ratio Lower Upper
240 100
120 11.3 8.6 12.8
236 25.8 20.6 31.0





#78
 Pyrene
 Concen: 19.436 ng
 RT: 12.769 min Scan# 1816
 Delta R.T. -0.006 min
 Lab File: BF134966.D
 Acq: 28 Aug 2023 13:51

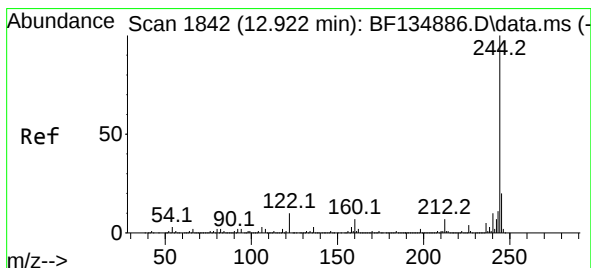
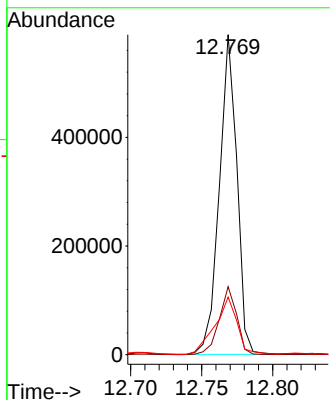
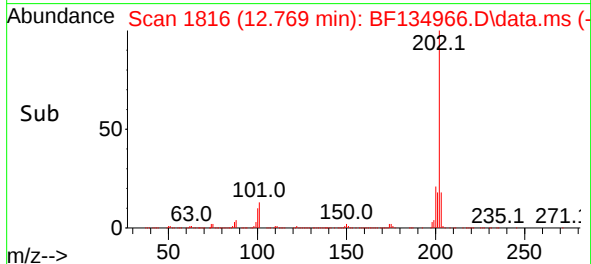
Instrument :
 BNA_F
 ClientSampleId :
 328



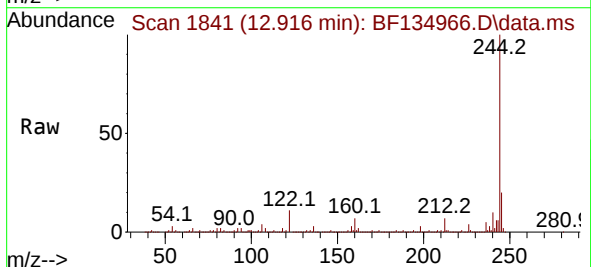
Tgt Ion:202 Resp: 505904
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.1 25.7
 203 18.0 14.2 21.2

Manual Integrations
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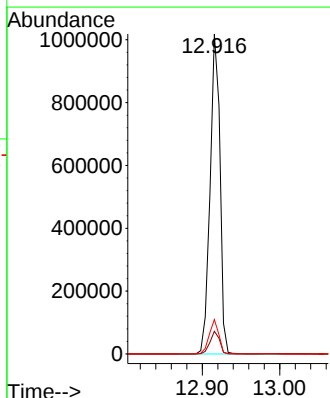
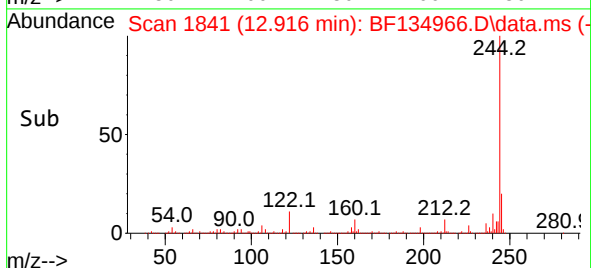
Reviewed By :Yogesh Patel 08/29/2023
 Supervised By :mohammad ahmed 08/29/2023

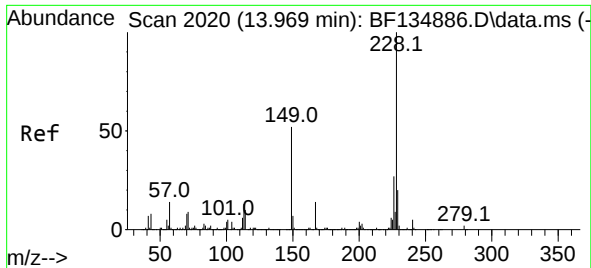


#79
 Terphenyl-d14
 Concen: 50.499 ng
 RT: 12.916 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF134966.D
 Acq: 28 Aug 2023 13:51



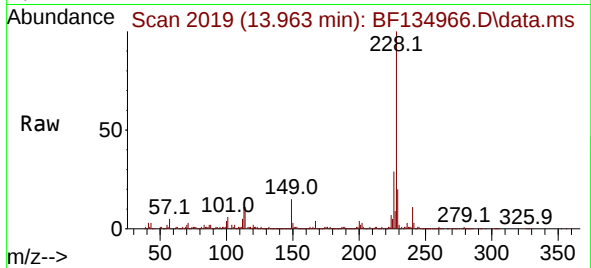
Tgt Ion:244 Resp: 901367
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 10.7 8.2 12.4





#81
Benzo(a)anthracene
Concen: 15.890 ng
RT: 13.963 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134966.D
Acq: 28 Aug 2023 13:51

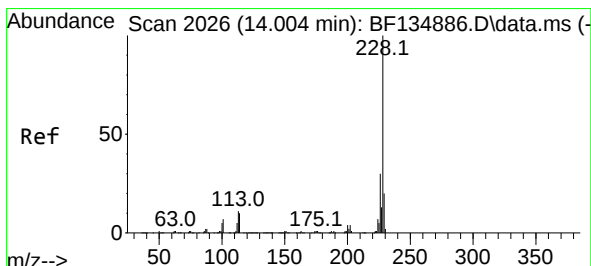
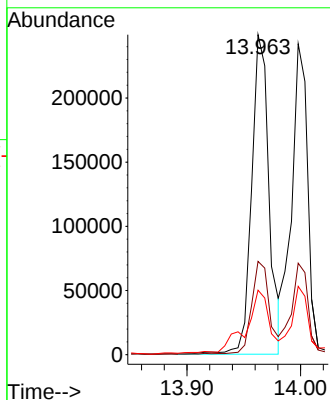
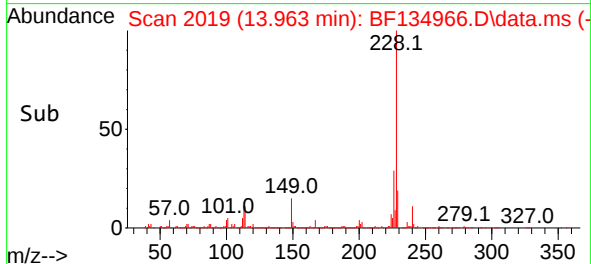
Instrument :
BNA_F
ClientSampleId :
328



Tgt Ion:228 Resp: 266158
Ion Ratio Lower Upper
228 100
226 29.2 21.8 32.6
229 20.2 15.6 23.4

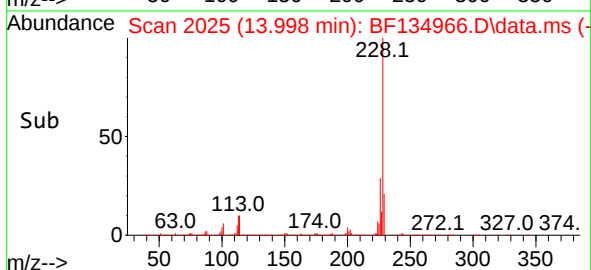
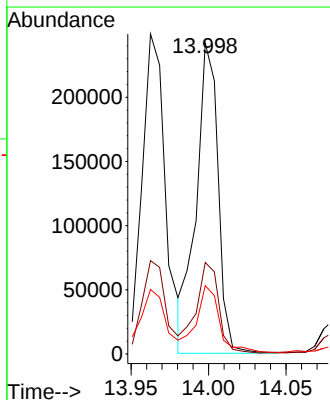
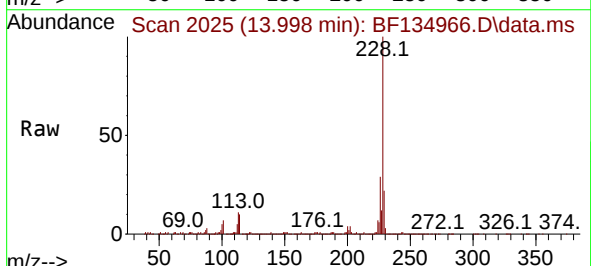
Manual Integrations
APPROVED

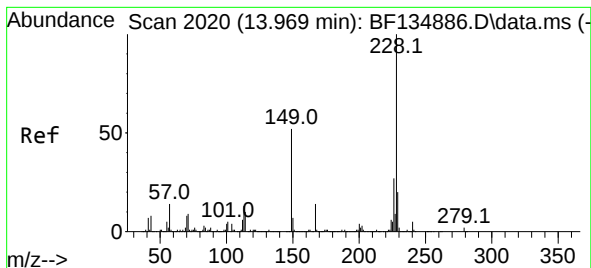
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#83
Chrysene
Concen: 14.429 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF134966.D
Acq: 28 Aug 2023 13:51

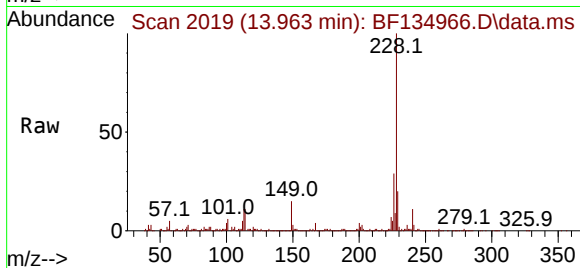
Tgt Ion:228 Resp: 238463
Ion Ratio Lower Upper
228 100
226 29.5 24.2 36.2
229 22.0 16.0 24.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.829 ng
RT: 13.963 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134966.D
Acq: 28 Aug 2023 13:51

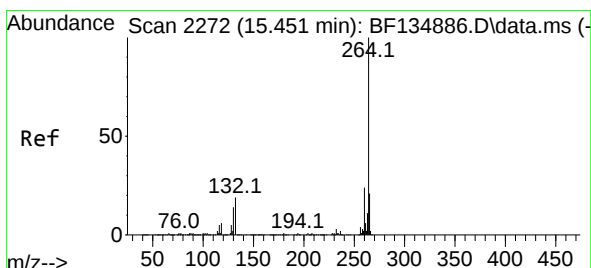
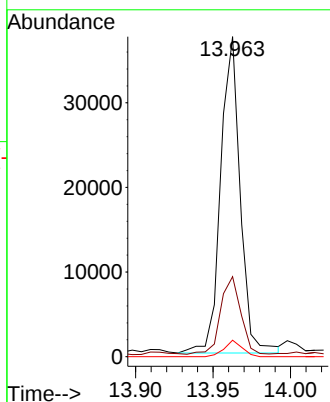
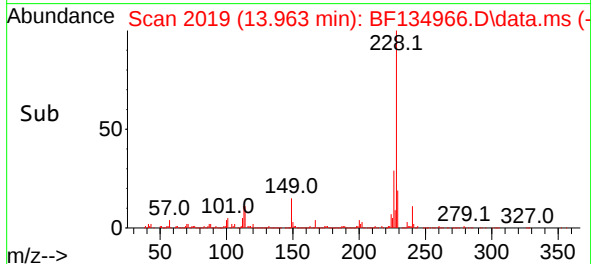
Instrument :
BNA_F
ClientSampleId :
328



Tgt Ion:149 Resp: 3289
Ion Ratio Lower Upper
149 100
167 25.0 22.1 33.1
279 5.1 3.6 5.4

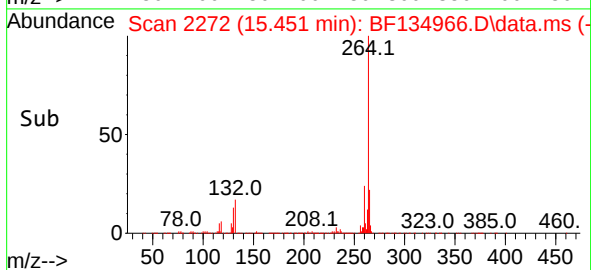
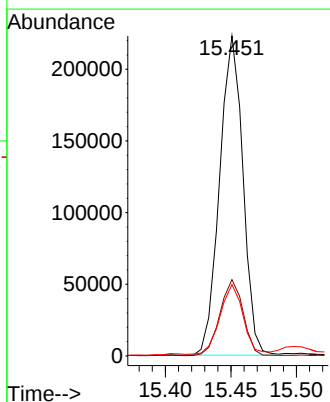
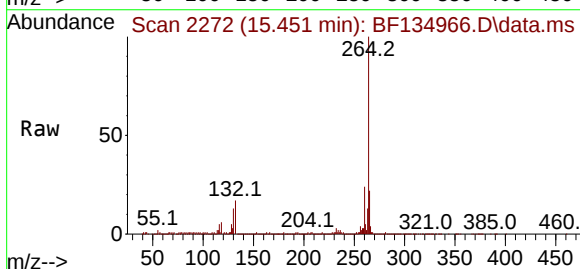
Manual Integrations
APPROVED

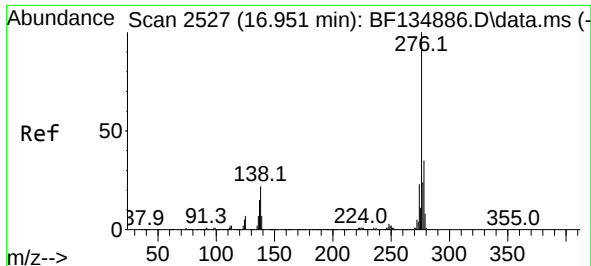
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BF134966.D
Acq: 28 Aug 2023 13:51

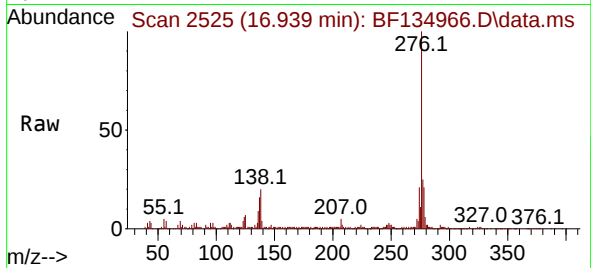
Tgt Ion:264 Resp: 275177
Ion Ratio Lower Upper
264 100
260 23.9 19.0 28.6
265 22.3 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.376 ng
RT: 16.939 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134966.D
Acq: 28 Aug 2023 13:51

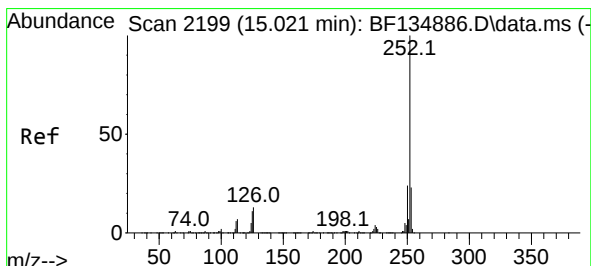
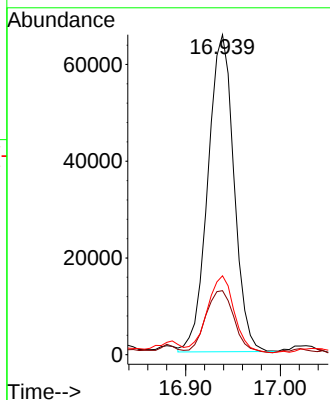
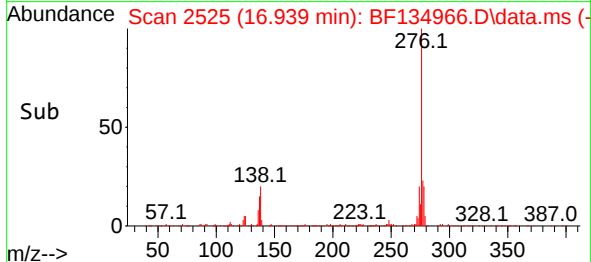
Instrument :
BNA_F
ClientSampleId :
328



Tgt Ion:276 Resp: 12541
Ion Ratio Lower Upper
276 100
138 21.4 19.7 29.5
277 25.3 20.1 30.1

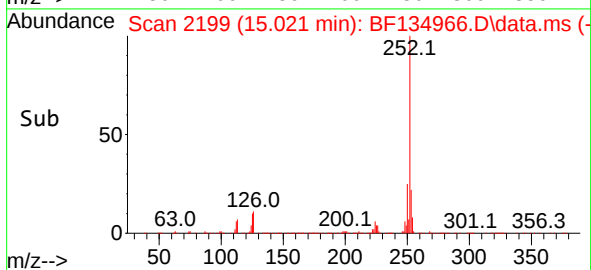
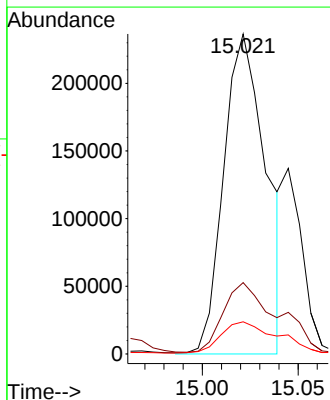
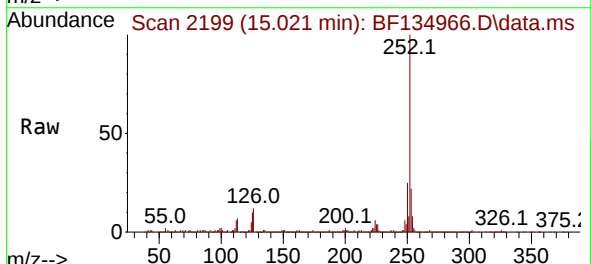
Manual Integrations
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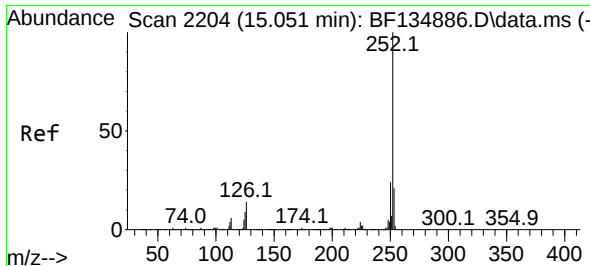
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#88
Benzo(b)fluoranthene
Concen: 23.478 ng m
RT: 15.021 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BF134966.D
Acq: 28 Aug 2023 13:51

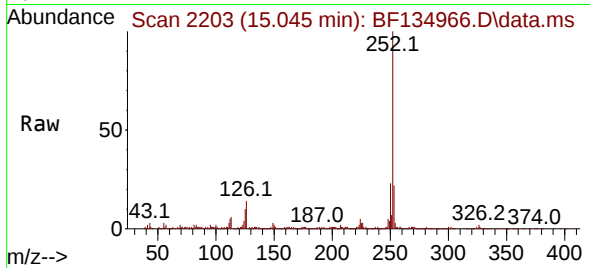
Tgt Ion:252 Resp: 364511
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 10.1 8.4 12.6





#89
Benzo(k)fluoranthene
Concen: 6.423 ng m
RT: 15.045 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134966.D
Acq: 28 Aug 2023 13:51

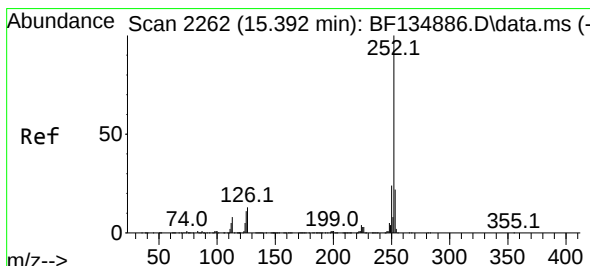
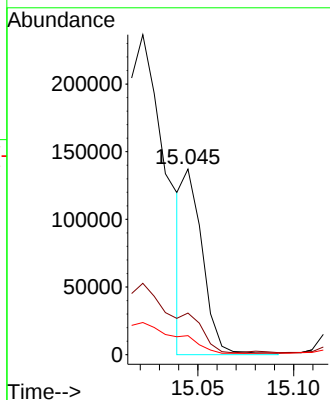
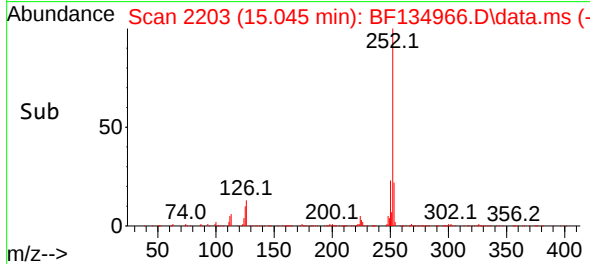
Instrument :
BNA_F
ClientSampleId :
328



Tgt Ion:252 Resp: 97920
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 10.3 8.0 12.0

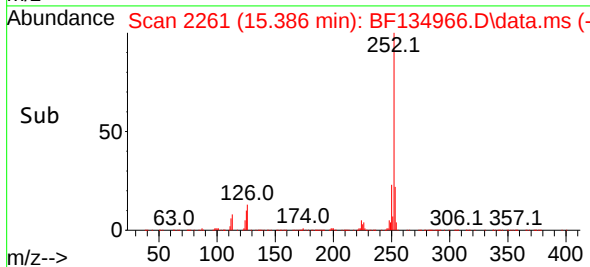
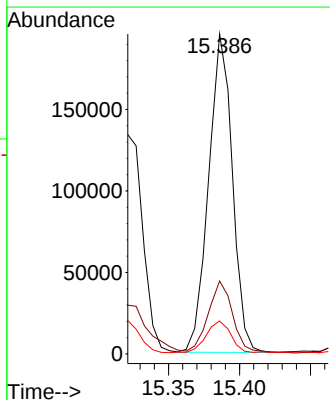
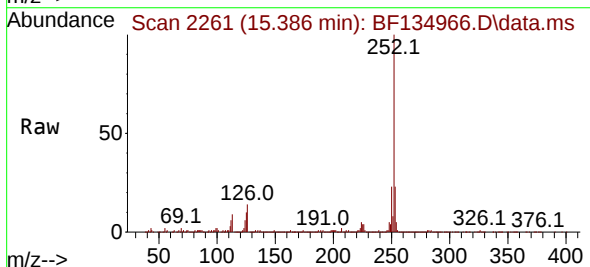
Manual Integrations
APPROVED

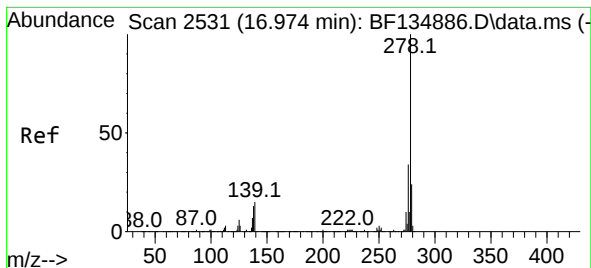
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#90
Benzo(a)pyrene
Concen: 14.690 ng
RT: 15.386 min Scan# 2261
Delta R.T. -0.006 min
Lab File: BF134966.D
Acq: 28 Aug 2023 13:51

Tgt Ion:252 Resp: 227673
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 10.3 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 2.091 ng

RT: 16.951 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF134966.D

Acq: 28 Aug 2023 13:51

Instrument :

BNA_F

ClientSampleId :

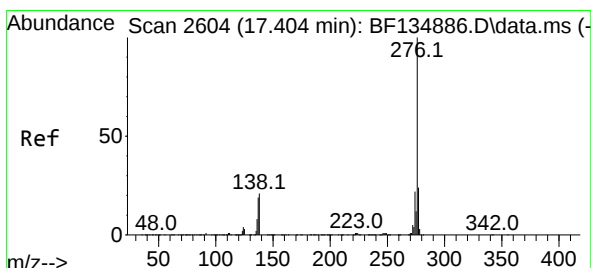
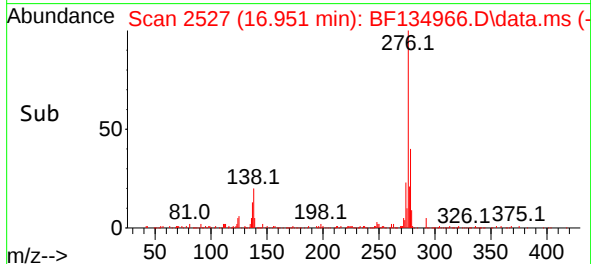
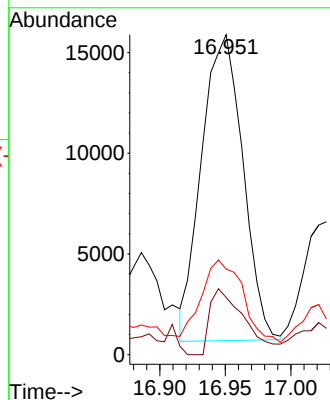
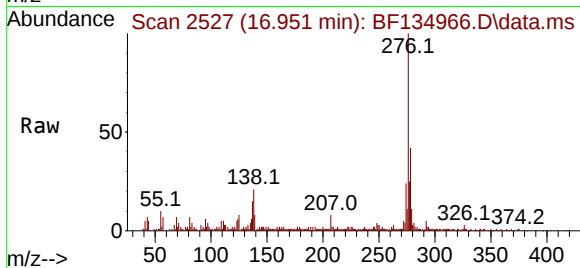
328

Tgt Ion:	278	Resp:	33284
Ion Ratio	Lower	Upper	
278	100		
139	17.9	12.2	18.4
279	26.8	19.1	28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#92

Benzo(g,h,i)perylene

Concen: 6.961 ng

RT: 17.386 min Scan# 2601

Delta R.T. -0.018 min

Lab File: BF134966.D

Acq: 28 Aug 2023 13:51

Tgt Ion:	276	Resp:	113400
Ion Ratio	Lower	Upper	
276	100		
277	23.4	19.2	28.8
138	22.5	17.0	25.6

