

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082423\
 Data File : BF134930.D
 Acq On : 24 Aug 2023 18:20
 Operator : CG\JU
 Sample : 04103-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-2-082123

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/25/2023
 Supervised By :mohammad ahmed 08/25/2023

Quant Time: Aug 24 18:41:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 19:33:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	114671	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	409446	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	185944	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	340787	20.000	ng	0.00
76) Chrysene-d12	13.980	240	279417	20.000	ng	0.00
86) Perylene-d12	15.457	264	217893	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	243774	33.900	ng	0.00
7) Phenol-d6	6.428	99	295830	32.195	ng	-0.01
23) Nitrobenzene-d5	7.351	82	172461	23.210	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	72687	33.191	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	348421	28.967	ng	0.00
79) Terphenyl-d14	12.921	244	403365	19.855	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.345	178	68306	3.825	ng	99
75) Fluoranthene	12.545	202	190709	11.271	ng	98
78) Pyrene	12.774	202	186758	6.304	ng	98
81) Benzo(a)anthracene	13.968	228	109078	5.722	ng	95
83) Chrysene	14.004	228	101494	5.396	ng	98
87) Indeno(1,2,3-cd)pyrene	16.951	276	42808	2.749	ng	96
88) Benzo(b)fluoranthene	15.027	252	115078m	9.361	ng	
89) Benzo(k)fluoranthene	15.051	252	35079m	2.906	ng	
90) Benzo(a)pyrene	15.392	252	75911	6.186	ng	# 95
92) Benzo(g,h,i)perylene	17.404	276	44999	3.488	ng	95

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

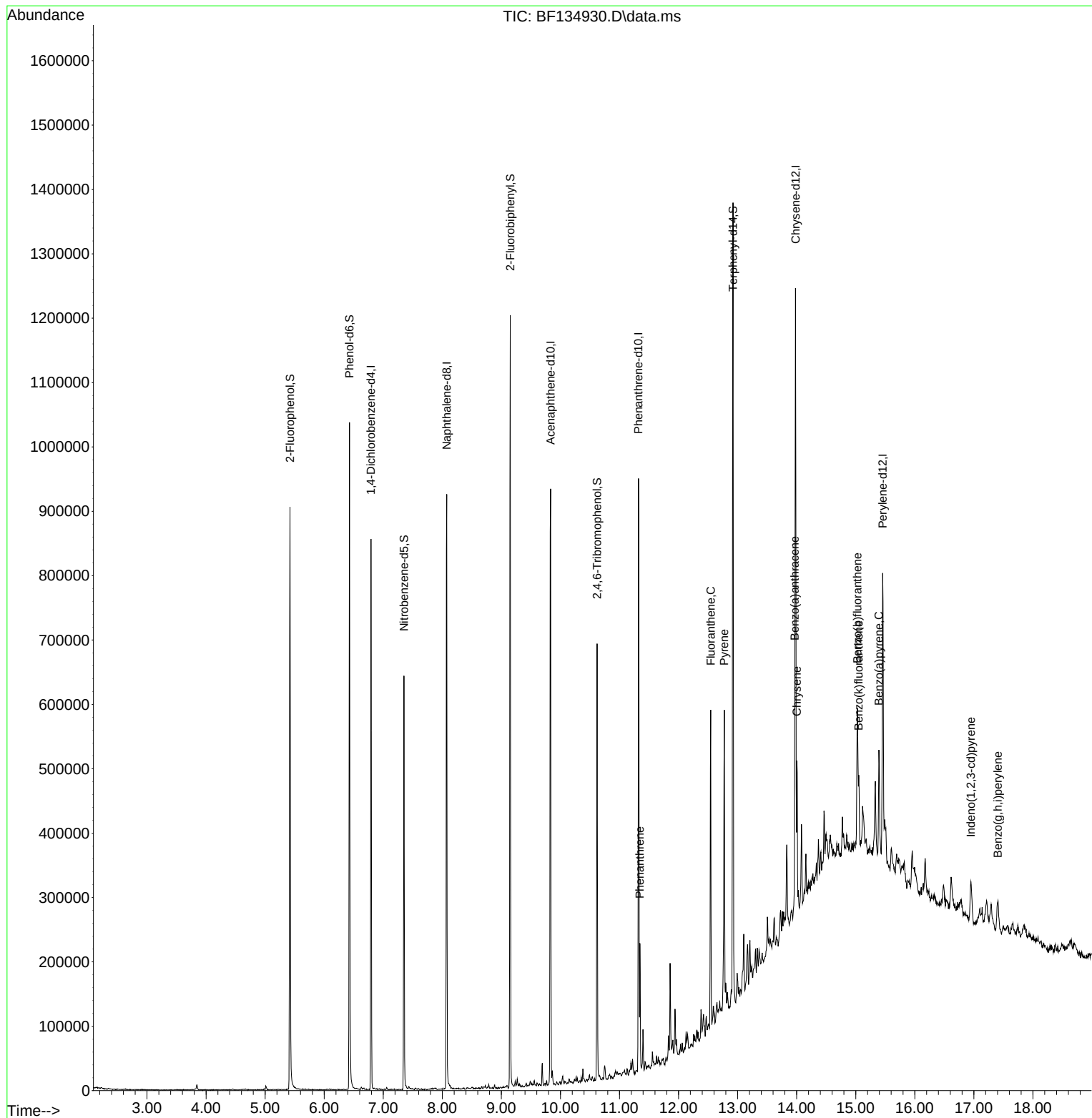
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082423\
Data File : BF134930.D
Acq On : 24 Aug 2023 18:20
Operator : CG\JU
Sample : 04103-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

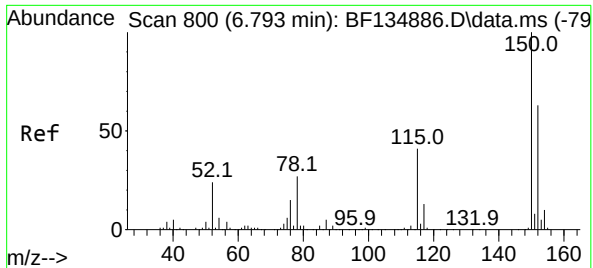
Instrument :
BNA_F
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OR-2-082123

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QLast Update : Tue Aug 22 19:33:25 2023
Response via : Initial Calibration





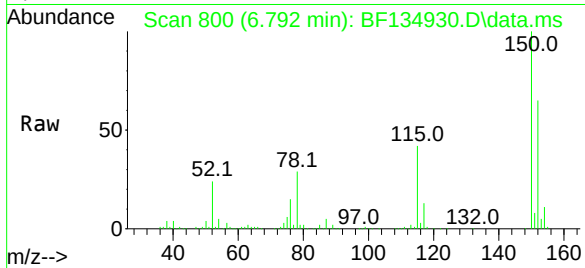
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.001 min
Lab File: BF134930.D
Acq: 24 Aug 2023 18:20

Instrument :

BNA_F

ClientSampleId :

OR-2-082123

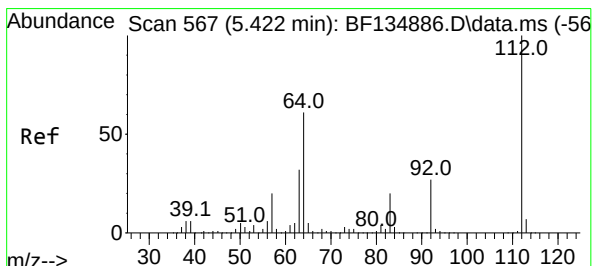
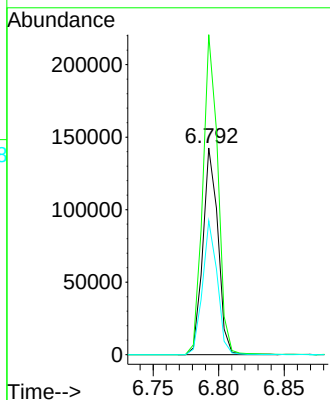
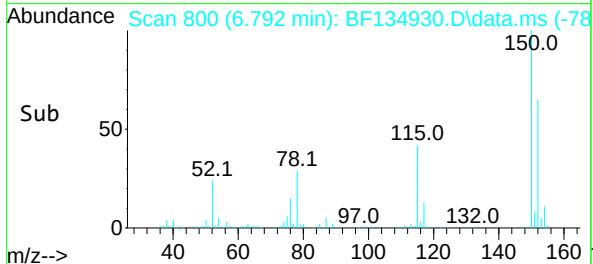


Tgt Ion:152 Resp: 114674
Ion Ratio Lower Upper
152 100
150 154.8 126.1 189.1
115 64.7 51.1 76.7

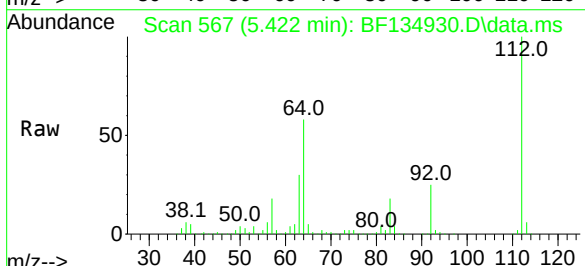
Manual Integrations

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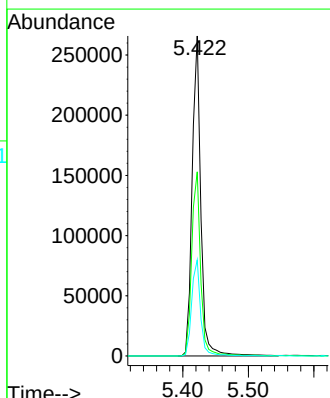
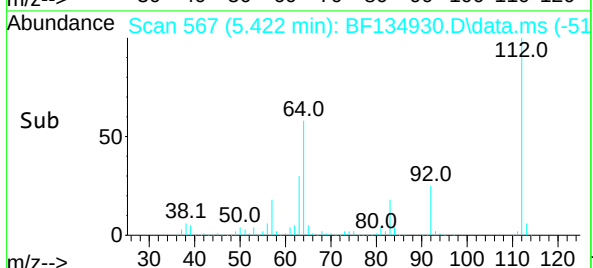
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023

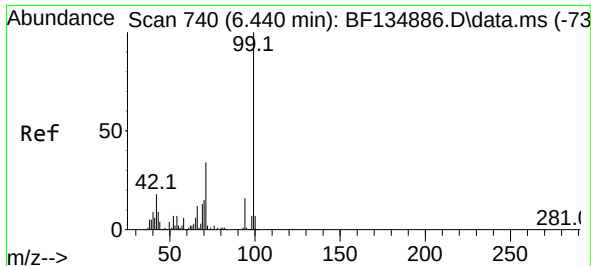


#5
2-Fluorophenol
Concen: 33.900 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.000 min
Lab File: BF134930.D
Acq: 24 Aug 2023 18:20



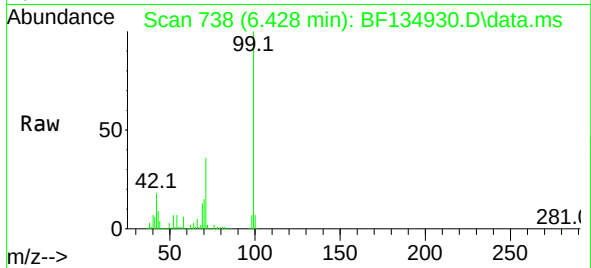
Tgt Ion:112 Resp: 243774
Ion Ratio Lower Upper
112 100
64 57.6 48.6 73.0
63 30.0 25.7 38.5





#7
Phenol-d6
Concen: 32.195 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134930.D
Acq: 24 Aug 2023 18:20

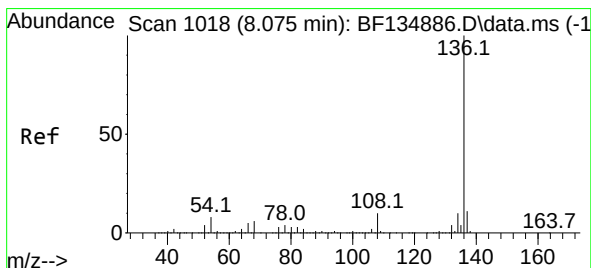
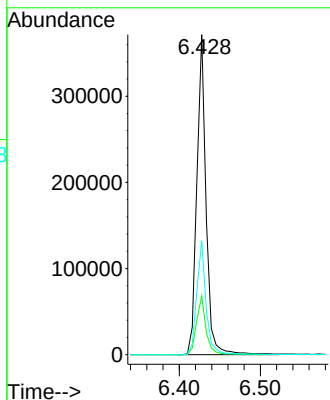
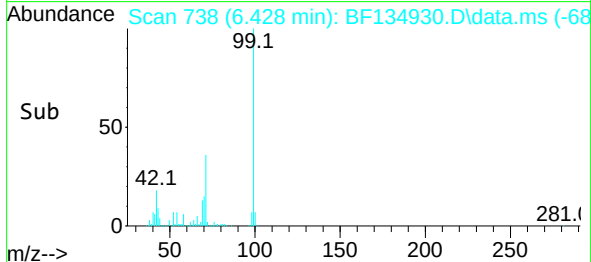
Instrument :
BNA_F
ClientSampleId :
OR-2-082123



Tgt Ion: 99 Resp: 295830
Ion Ratio Lower Upper
99 100
42 18.4 14.6 22.0
71 35.6 27.6 41.4

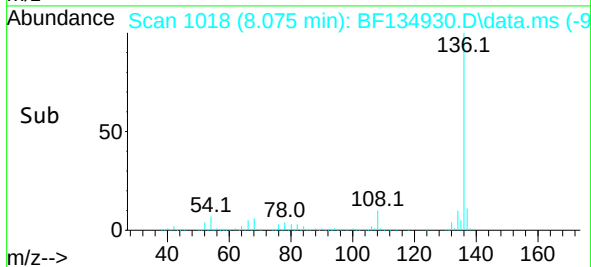
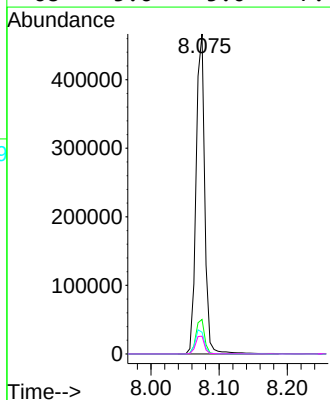
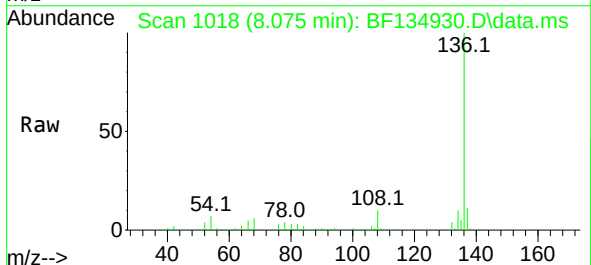
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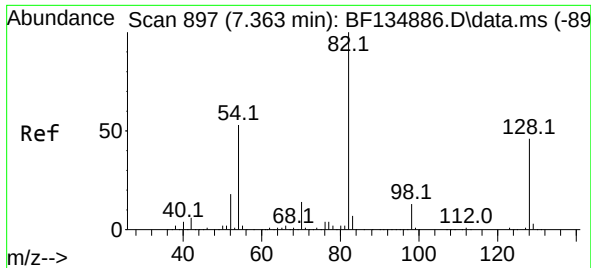
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BF134930.D
Acq: 24 Aug 2023 18:20

Tgt Ion:136 Resp: 409446
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 6.8 6.6 9.8
68 5.6 5.0 7.4





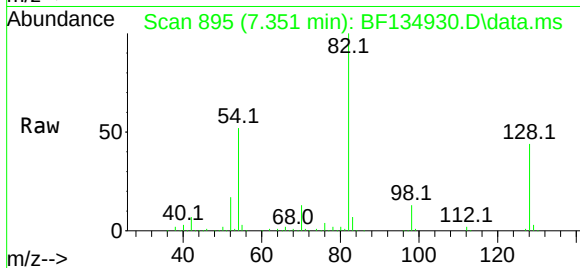
#23
Nitrobenzene-d5
Concen: 23.210 ng
RT: 7.351 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF134930.D
Acq: 24 Aug 2023 18:20

Instrument :

BNA_F

ClientSampleId :

OR-2-082123

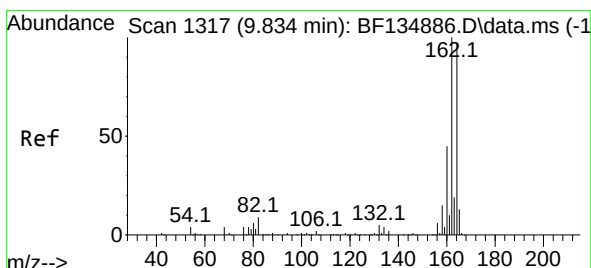
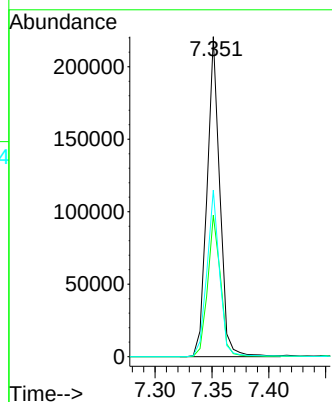
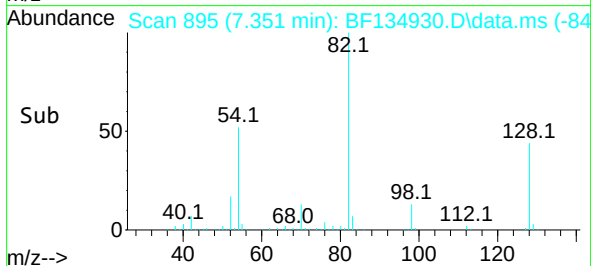


Tgt Ion: 82 Resp: 17246
Ion Ratio Lower Upper
82 100
128 44.2 36.6 54.8
54 52.0 42.6 63.8

Manual Integrations

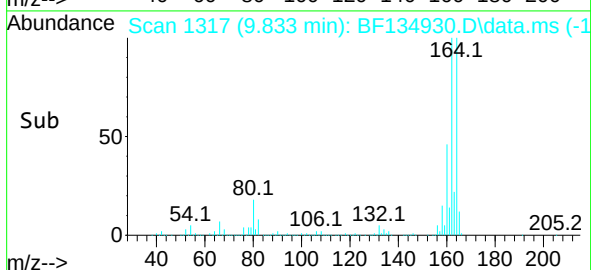
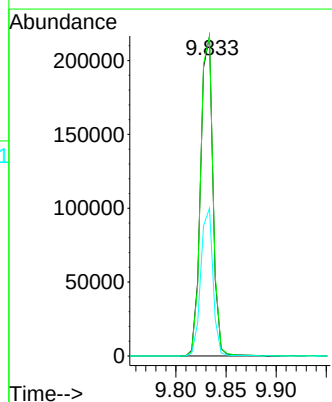
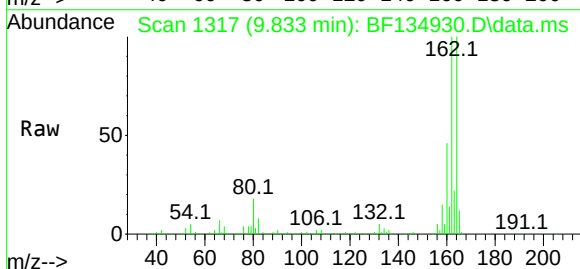
APPROVED

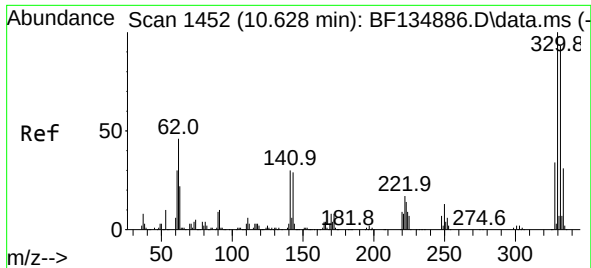
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.000 min
Lab File: BF134930.D
Acq: 24 Aug 2023 18:20

Tgt Ion:164 Resp: 185944
Ion Ratio Lower Upper
164 100
162 100.1 82.6 123.8
160 46.2 37.0 55.4





#42
 2,4,6-Tribromophenol
 Concen: 33.191 ng
 RT: 10.622 min Scan# 1452
 Delta R.T. -0.006 min
 Lab File: BF134930.D
 Acq: 24 Aug 2023 18:20

Instrument :

BNA_F

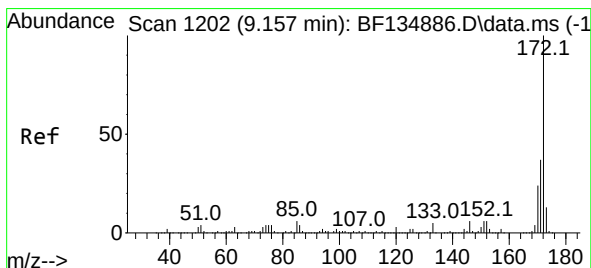
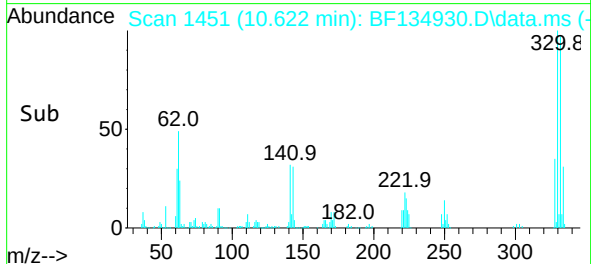
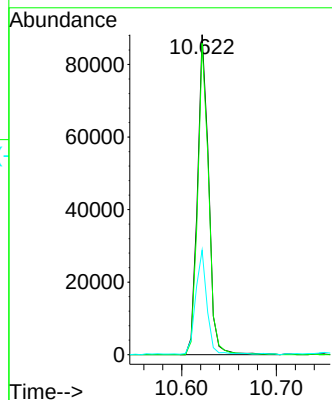
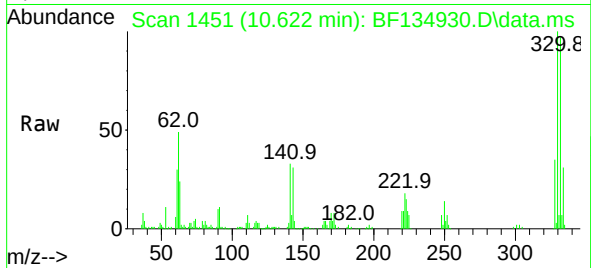
ClientSampleId :

OR-2-082123

Tgt Ion:330 Resp: 7268
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.3 114.5
 141 32.4 23.4 35.2

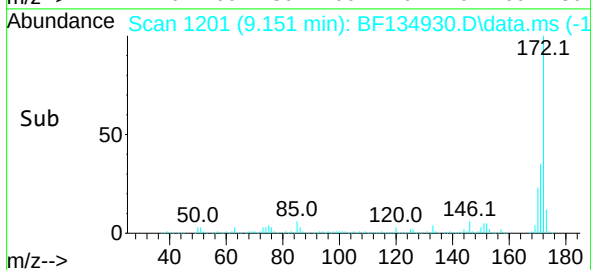
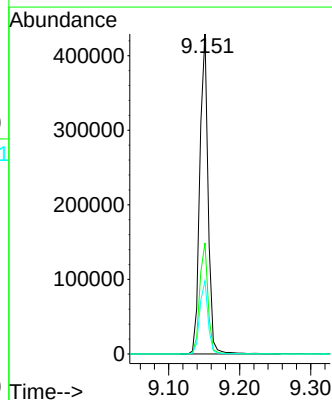
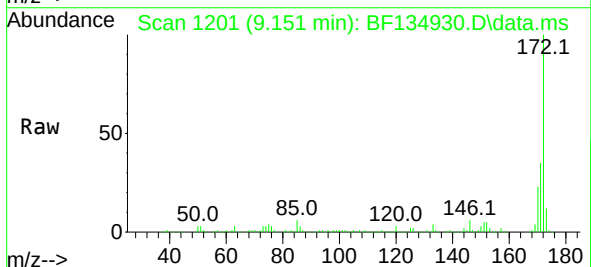
Manual Integrations
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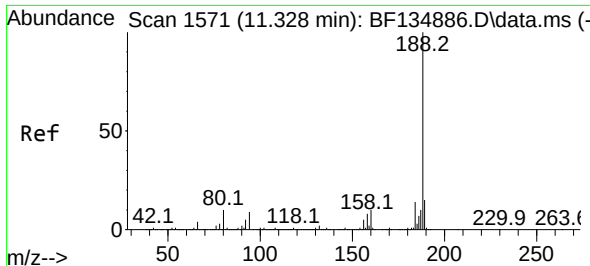
Reviewed By :Yogesh Patel 08/25/2023
 Supervised By :mohammad ahmed 08/25/2023



#45
 2-Fluorobiphenyl
 Concen: 28.967 ng
 RT: 9.151 min Scan# 1201
 Delta R.T. -0.006 min
 Lab File: BF134930.D
 Acq: 24 Aug 2023 18:20

Tgt Ion:172 Resp: 348421
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.4 44.0
 170 22.9 19.6 29.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134930.D
Acq: 24 Aug 2023 18:20

Instrument :

BNA_F

ClientSampleId :

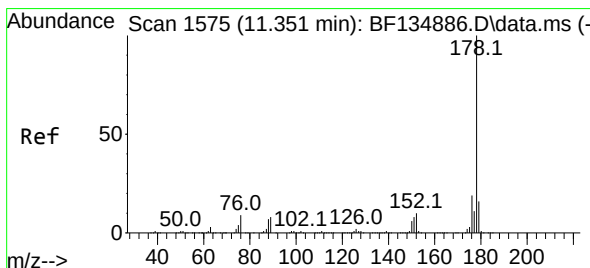
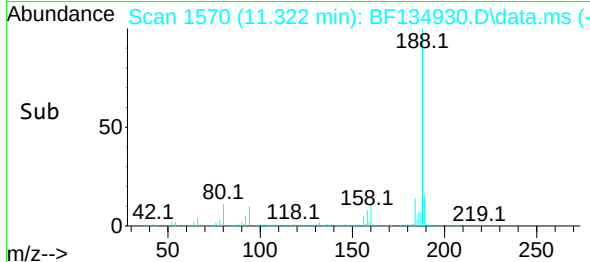
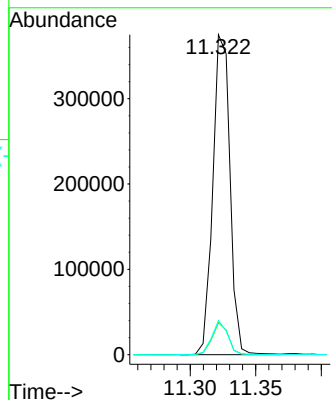
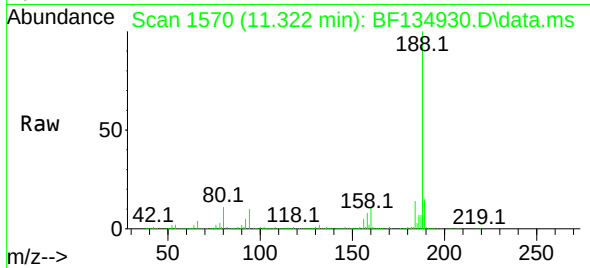
OR-2-082123

Tgt Ion:188 Resp: 34078
Ion Ratio Lower Upper
188 100
94 10.0 7.5 11.3
80 10.6 7.8 11.6

Manual Integrations

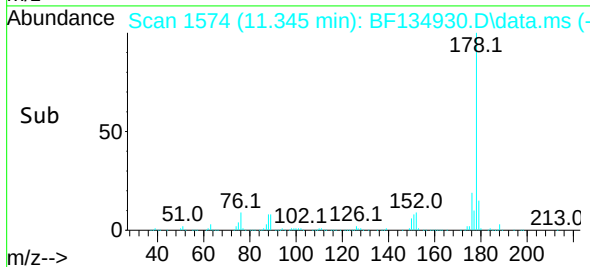
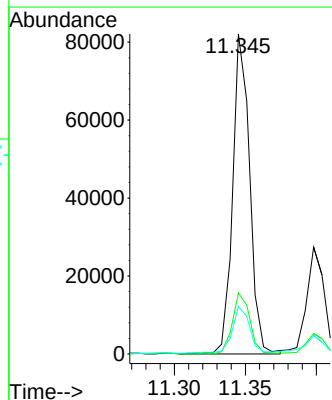
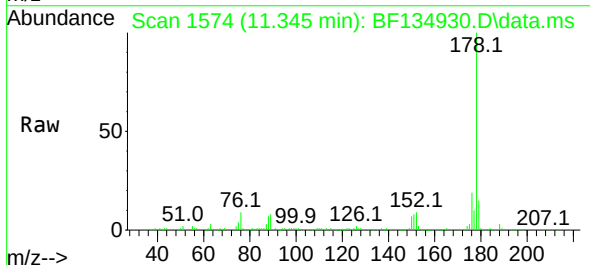
APPROVED

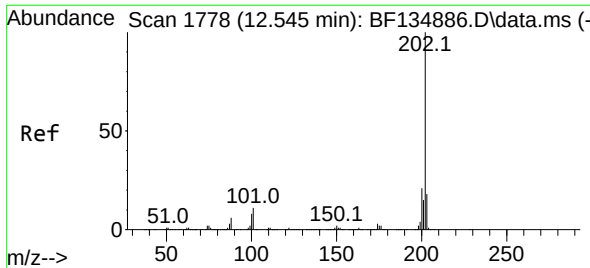
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#71
Phenanthrene
Concen: 3.825 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134930.D
Acq: 24 Aug 2023 18:20

Tgt Ion:178 Resp: 68306
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 14.8 12.6 19.0





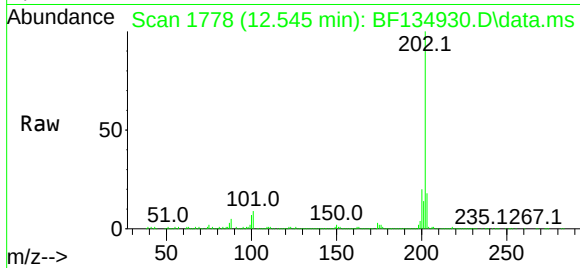
#75
Fluoranthene
Concen: 11.271 ng
RT: 12.545 min Scan# 1778
Delta R.T. -0.000 min
Lab File: BF134930.D
Acq: 24 Aug 2023 18:20

Instrument :

BNA_F

ClientSampleId :

OR-2-082123

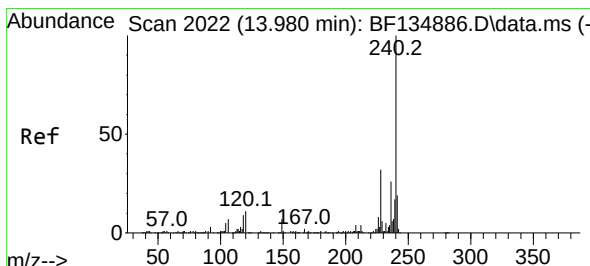
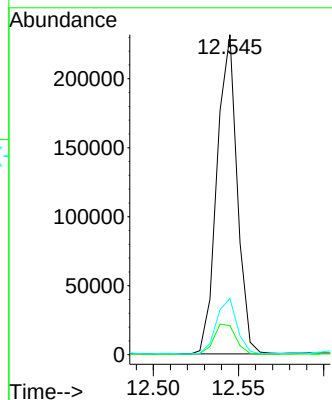
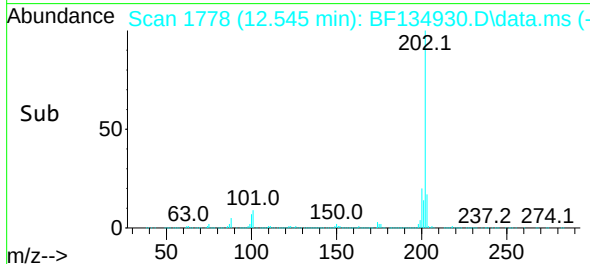


Tgt Ion:202 Resp: 190709
Ion Ratio Lower Upper
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101 9.1 0.0 30.5
203 17.6 0.0 37.8

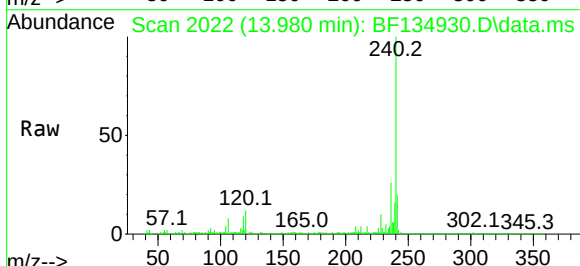
Manual Integrations

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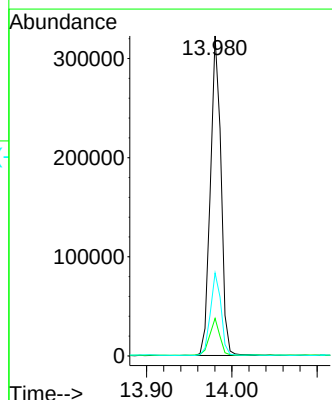
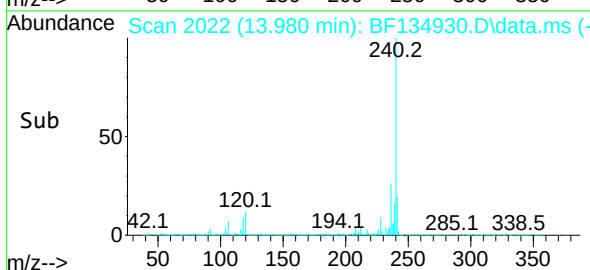
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023

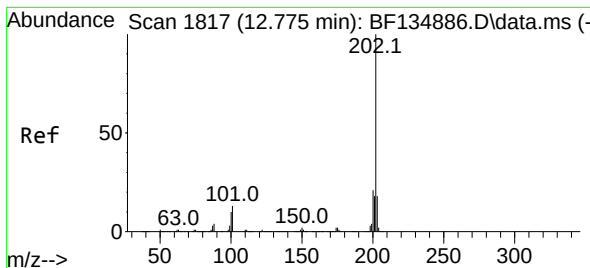


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF134930.D
Acq: 24 Aug 2023 18:20



Tgt Ion:240 Resp: 279417
Ion Ratio Lower Upper
240 100
120 11.7 8.6 12.8
236 25.9 20.6 31.0





#78

Pyrene

Concen: 6.304 ng

RT: 12.774 min Scan# 1817

Delta R.T. -0.000 min

Lab File: BF134930.D

Acq: 24 Aug 2023 18:20

Instrument :

BNA_F

ClientSampleId :

OR-2-082123

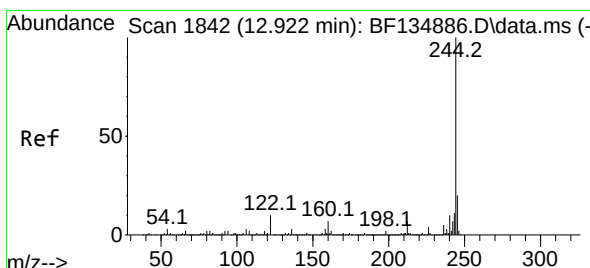
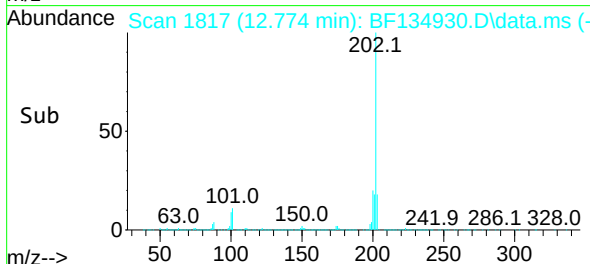
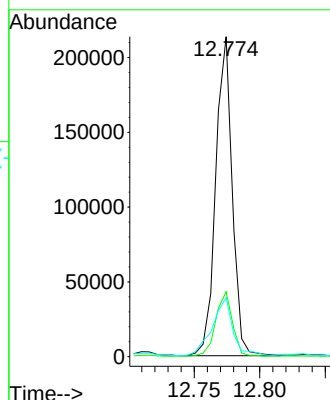
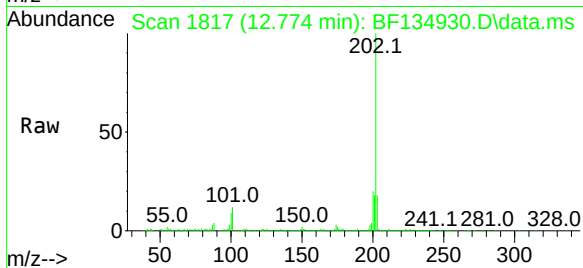
Tgt Ion:202 Resp: 186758
 Ion Ratio Lower Upper
 202 100
 200 20.3 17.1 25.7
 203 18.4 14.2 21.2

Manual Integrations

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Reviewed By :Yogesh Patel 08/25/2023

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#79

Terphenyl-d14

Concen: 19.855 ng

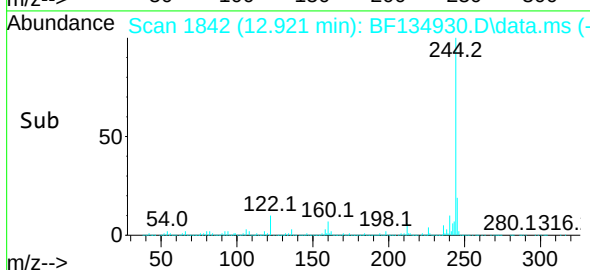
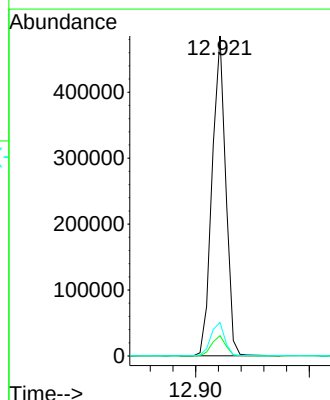
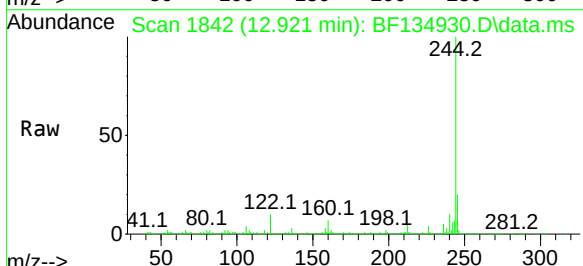
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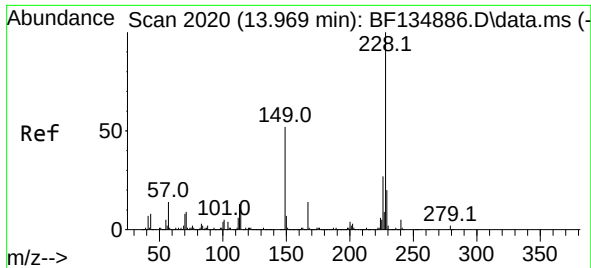
Delta R.T. -0.001 min

Lab File: BF134930.D

Acq: 24 Aug 2023 18:20

Tgt Ion:244 Resp: 403365
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.0
 122 10.4 8.2 12.4





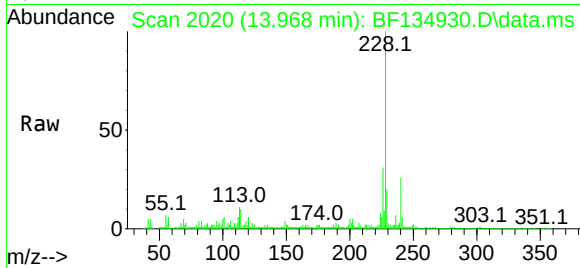
#81
Benzo(a)anthracene
Concen: 5.722 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF134930.D
Acq: 24 Aug 2023 18:20

Instrument :

BNA_F

ClientSampleId :

OR-2-082123

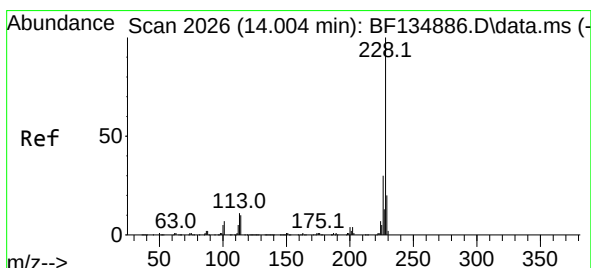
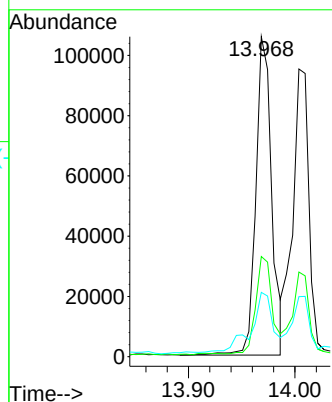
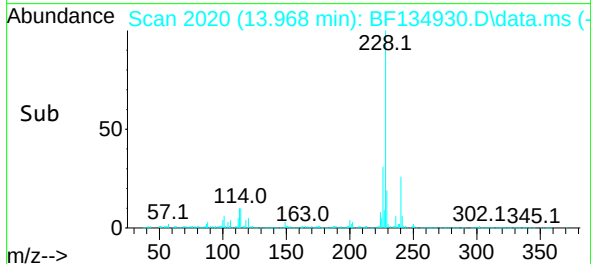


Tgt Ion:228 Resp: 109078
Ion Ratio Lower Upper
228 100
226 31.3 21.8 32.6
229 20.1 15.6 23.4

Manual Integrations

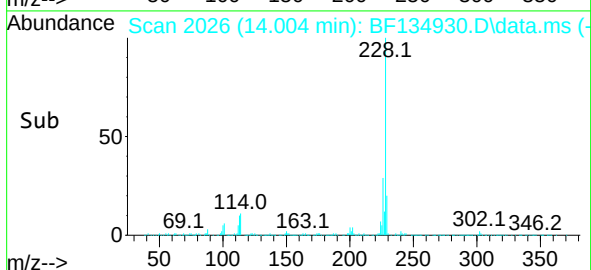
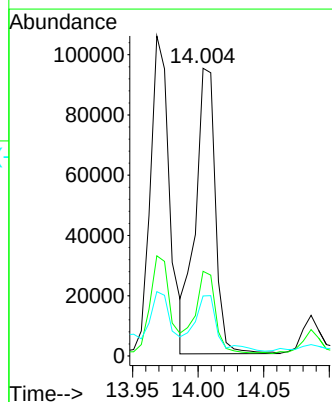
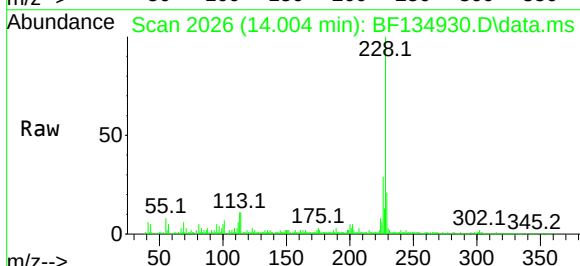
APPROVED

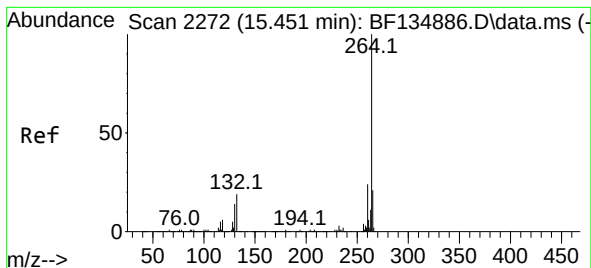
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#83
Chrysene
Concen: 5.396 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF134930.D
Acq: 24 Aug 2023 18:20

Tgt Ion:228 Resp: 101494
Ion Ratio Lower Upper
228 100
226 29.4 24.2 36.2
229 20.9 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134930.D

Acq: 24 Aug 2023 18:20

Instrument :

BNA_F

ClientSampleId :

OR-2-082123

Tgt Ion:264 Resp: 21789

Ion Ratio Lower Upper

264 100

260 24.3 19.0 28.6

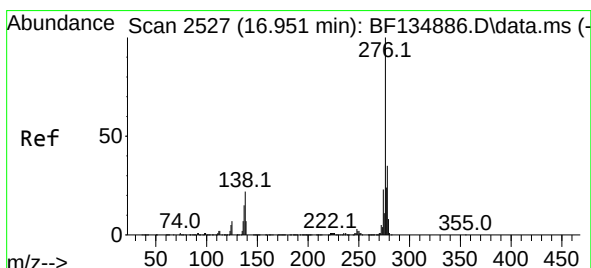
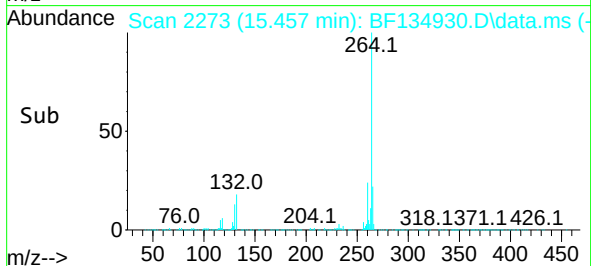
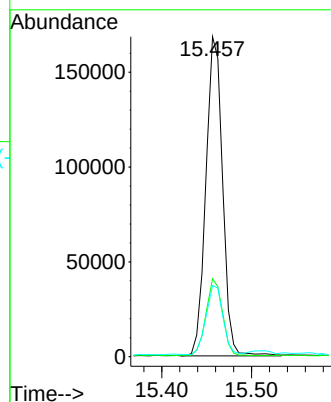
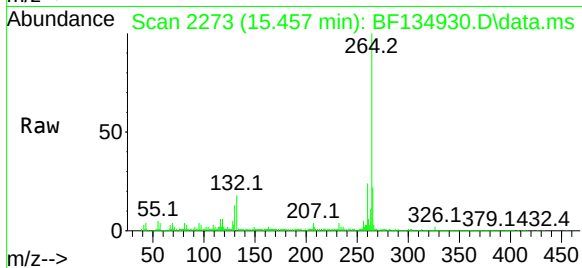
265 22.2 17.1 25.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/25/2023

Supervised By :mohammad ahmed 08/25/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.749 ng

RT: 16.951 min Scan# 2527

Delta R.T. -0.000 min

Lab File: BF134930.D

Acq: 24 Aug 2023 18:20

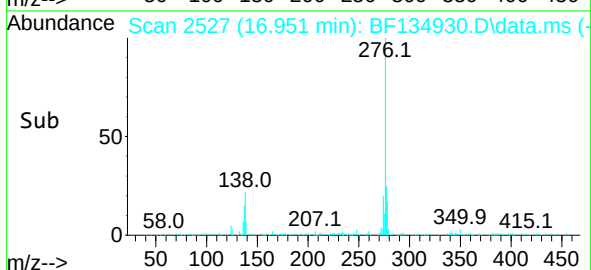
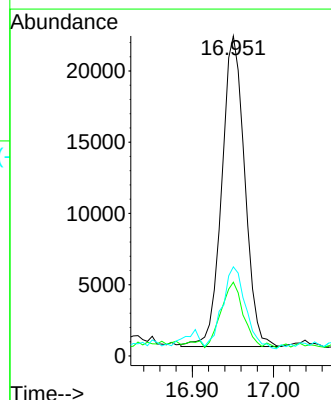
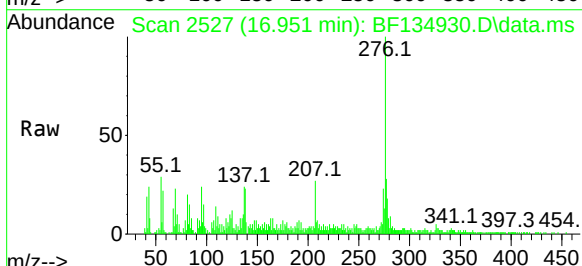
Tgt Ion:276 Resp: 42808

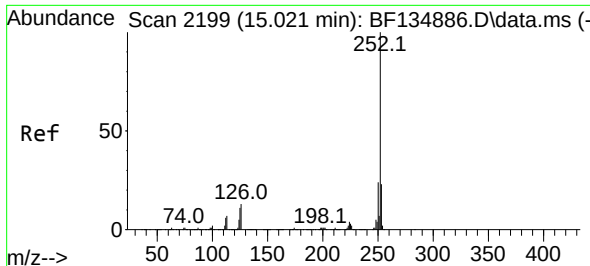
Ion Ratio Lower Upper

276 100

138 21.7 19.7 29.5

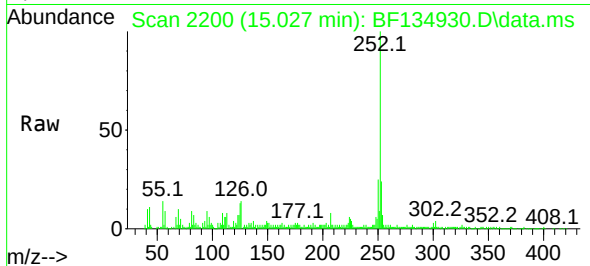
277 26.6 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 9.361 ng m
RT: 15.027 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF134930.D
Acq: 24 Aug 2023 18:20

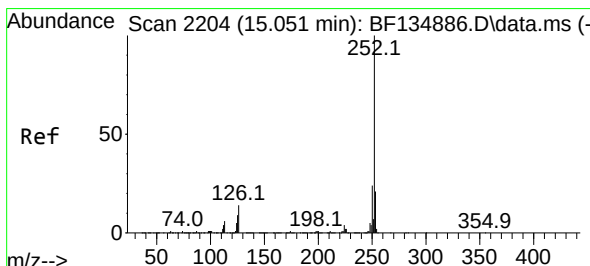
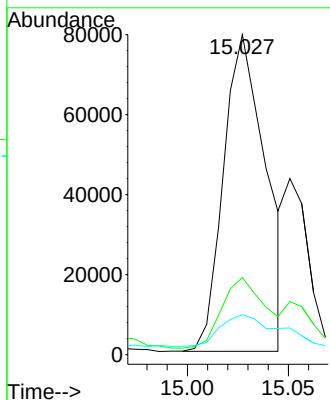
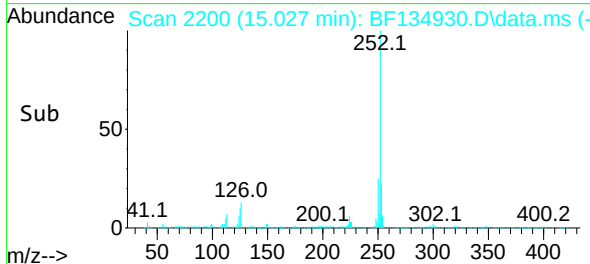
Instrument :
BNA_F
ClientSampleId :
OR-2-082123



Tgt Ion:252 Resp: 115078
Ion Ratio Lower Upper
252 100
253 24.1 18.1 27.1
125 12.5 8.4 12.6

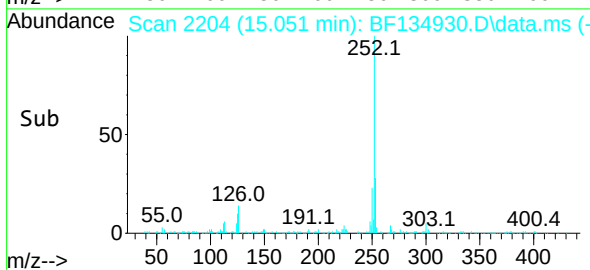
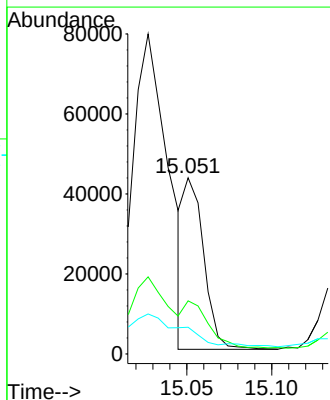
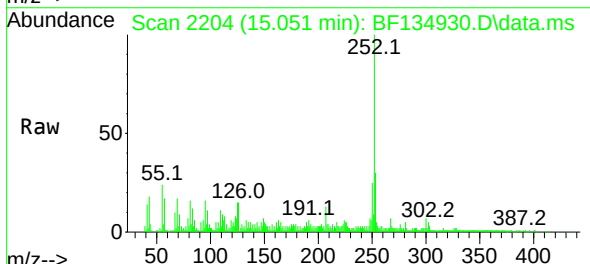
Manual Integrations
APPROVED

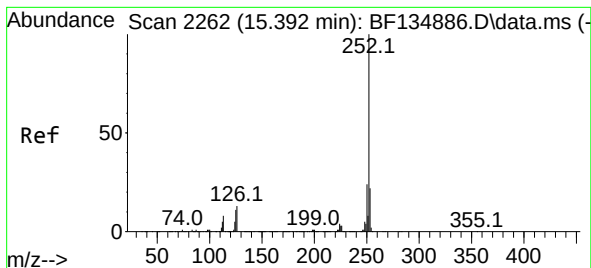
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#89
Benzo(k)fluoranthene
Concen: 2.906 ng m
RT: 15.051 min Scan# 2204
Delta R.T. -0.000 min
Lab File: BF134930.D
Acq: 24 Aug 2023 18:20

Tgt Ion:252 Resp: 35079
Ion Ratio Lower Upper
252 100
253 30.2 17.1 25.7#
125 15.2 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 6.186 ng

RT: 15.392 min Scan# 2262

Delta R.T. -0.000 min

Lab File: BF134930.D

Acq: 24 Aug 2023 18:20

Instrument :

BNA_F

ClientSampleId :

OR-2-082123

Tgt Ion:252 Resp: 7591

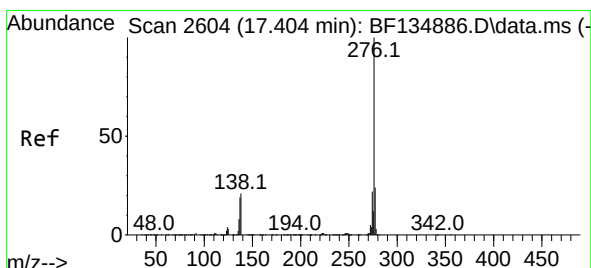
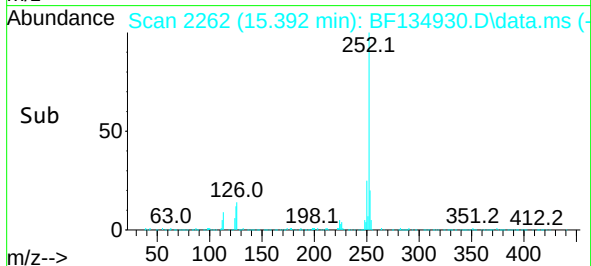
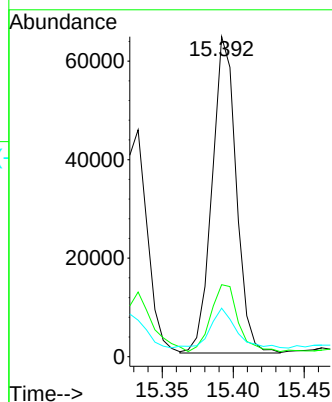
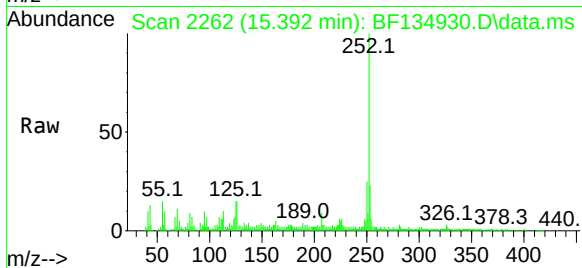
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	15.1	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/25/2023

Supervised By :mohammad ahmed 08/25/2023



#92

Benzo(g,h,i)perylene

Concen: 3.488 ng

RT: 17.404 min Scan# 2604

Delta R.T. -0.000 min

Lab File: BF134930.D

Acq: 24 Aug 2023 18:20

Tgt Ion:276 Resp: 44999

Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.2	28.8
138	25.3	17.0	25.6

