

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
 Data File : BF134949.D
 Acq On : 25 Aug 2023 19:40
 Operator : CG\JU
 Sample : 04110-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-11(1-2)

Quant Time: Aug 26 02:51:13 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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/28/2023
 Supervised By :mohammad ahmed 08/28/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	81179	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	308617	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	142992	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	241042	20.000	ng	-0.01
76) Chrysene-d12	13.974	240	146297	20.000	ng	0.00
86) Perylene-d12	15.451	264	136426	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	224406	44.081	ng	-0.01
7) Phenol-d6	6.422	99	508029	78.099	ng	-0.02
23) Nitrobenzene-d5	7.351	82	378847	67.643	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	23614	14.022	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	670144	72.450	ng	-0.01
79) Terphenyl-d14	12.916	244	586440	55.134	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.086	128	176000	11.421	ng	99
37) 2-Methylnaphthalene	8.781	142	50859	4.949	ng	99
38) 1-Methylnaphthalene	8.881	142	34710	3.612	ng	98
49) Acenaphthylene	9.686	152	31393	2.418	ng	97
52) Acenaphthene	9.857	154	98027	11.985	ng	99
55) Dibenzofuran	10.028	168	69755	5.858	ng	97
58) Fluorene	10.375	166	59547m	6.593	ng	
71) Phenanthrene	11.345	178	756215	59.870	ng	99
72) Anthracene	11.392	178	187315	14.474	ng	99
73) Carbazole	11.551	167	108440	10.169	ng	99
75) Fluoranthene	12.539	202	1055756	88.215	ng	99
78) Pyrene	12.769	202	920378	59.336	ng	99
81) Benzo(a)anthracene	13.968	228	536397	53.739	ng	96
83) Chrysene	14.004	228	521253	52.928	ng	97
87) Indeno(1,2,3-cd)pyrene	16.939	276	251767	25.818	ng	97
88) Benzo(b)fluoranthene	15.021	252	669627m	86.998	ng	
89) Benzo(k)fluoranthene	15.051	252	228050m	30.172	ng	
90) Benzo(a)pyrene	15.392	252	479187	62.363	ng	100
91) Dibenzo(a,h)anthracene	16.951	278	66912m	8.480	ng	
92) Benzo(g,h,i)perylene	17.392	276	247200	30.605	ng	99

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

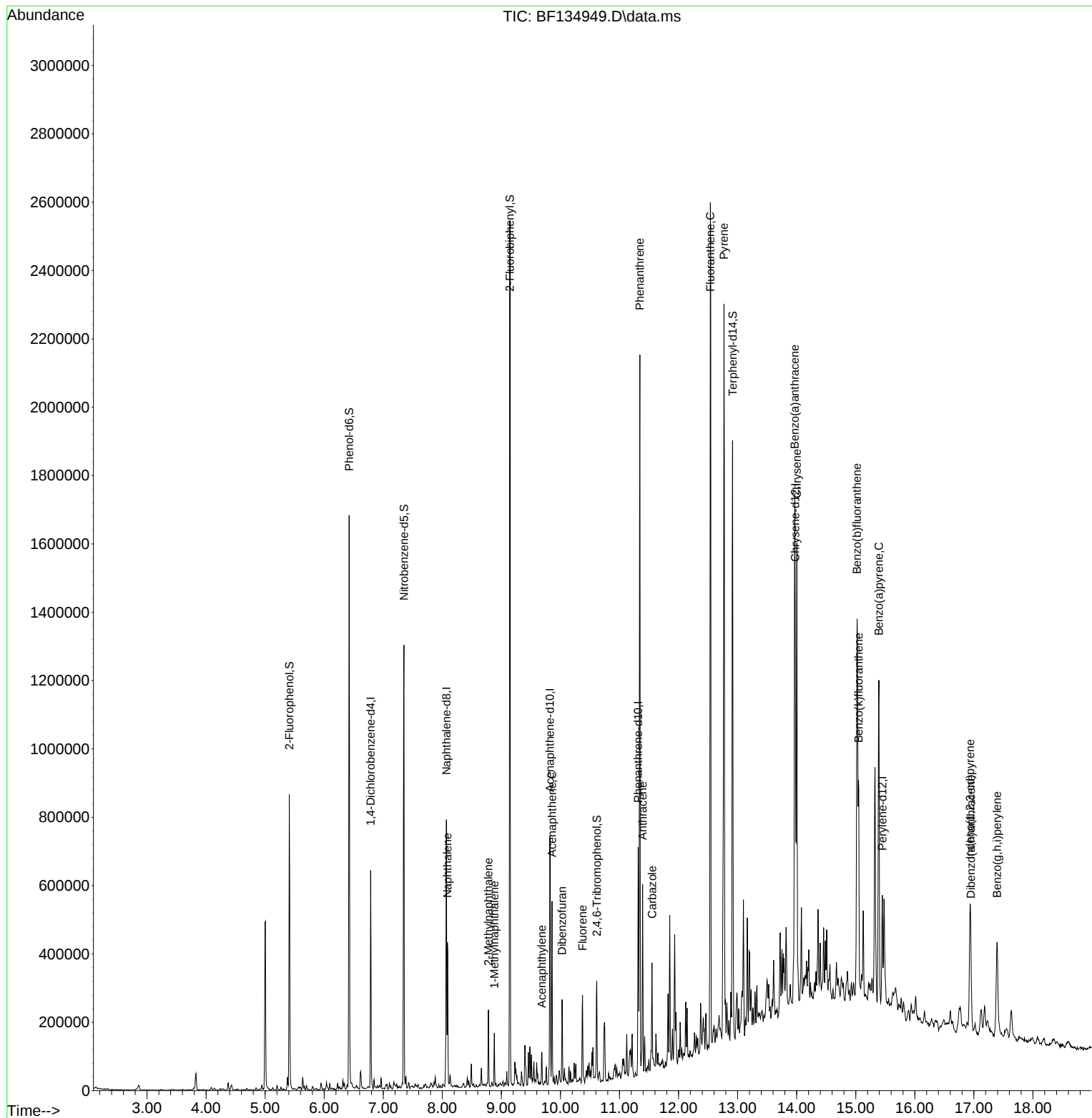
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
Data File : BF134949.D
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ALS Vial : 14 Sample Multiplier: 1

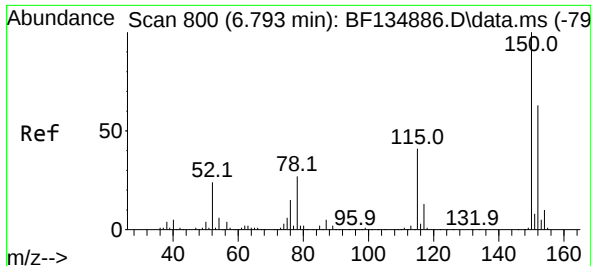
Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)

Quant Time: Aug 26 02:51:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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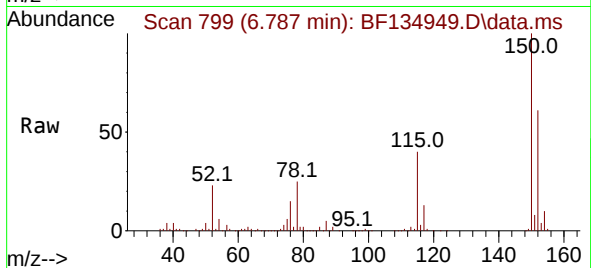
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

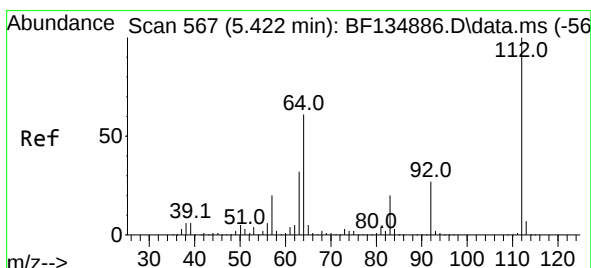
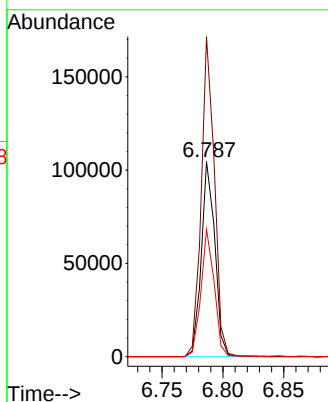
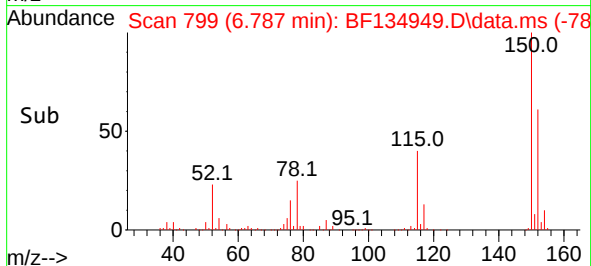
Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)



Tgt Ion:152 Resp: 81179
Ion Ratio Lower Upper
152 100
150 164.1 126.1 189.1
115 65.4 51.1 76.7

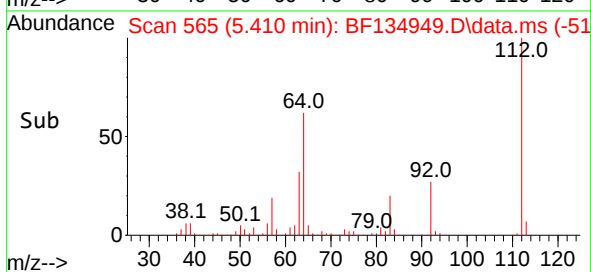
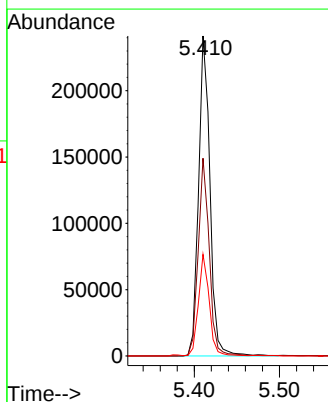
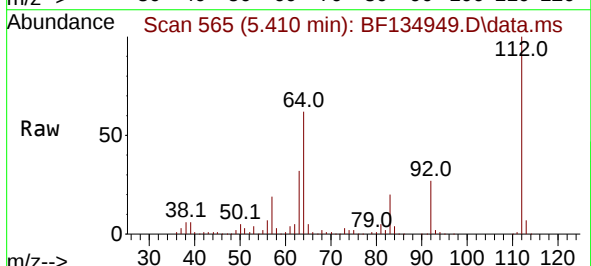
Manual Integrations
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Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#5
2-Fluorophenol
Concen: 44.081 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.012 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

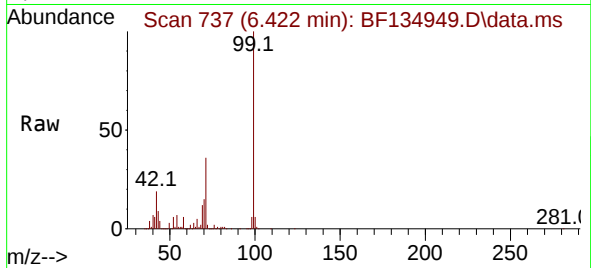
Tgt Ion:112 Resp: 224406
Ion Ratio Lower Upper
112 100
64 61.8 48.6 73.0
63 31.7 25.7 38.5





#7
Phenol-d6
Concen: 78.099 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

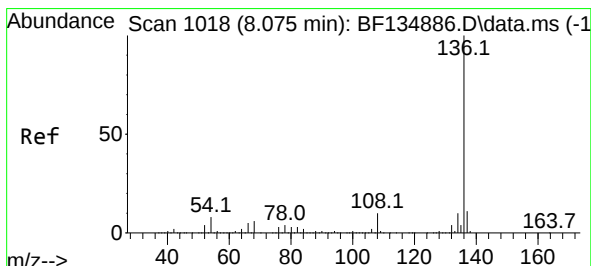
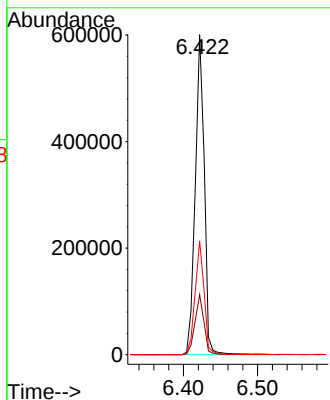
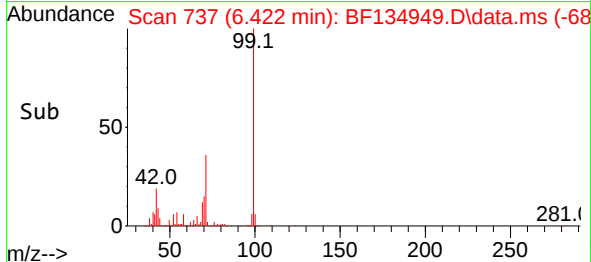
Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)



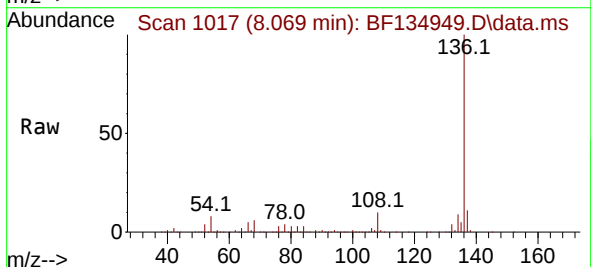
Tgt Ion: 99 Resp: 508029
Ion Ratio Lower Upper
99 100
42 18.8 14.6 22.0
71 35.5 27.6 41.4

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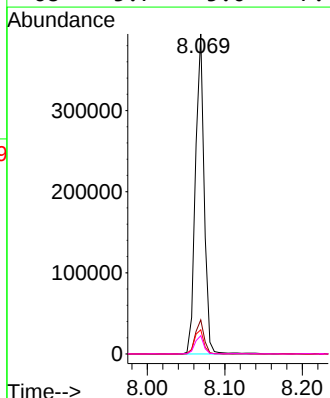
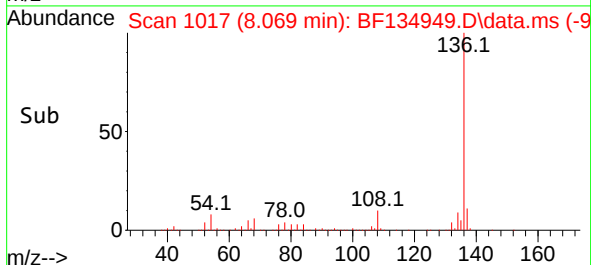
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023

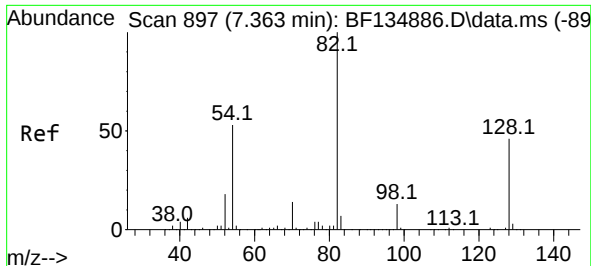


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40



Tgt Ion:136 Resp: 308617
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 7.6 6.6 9.8
68 5.7 5.0 7.4





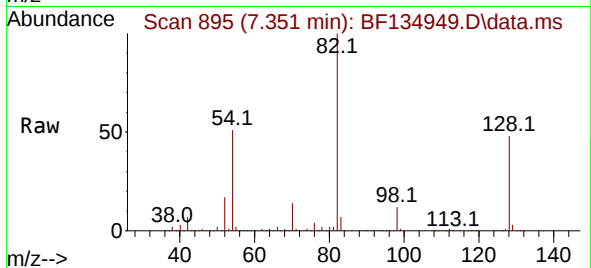
#23
Nitrobenzene-d5
Concen: 67.643 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

Instrument :

BNA_F

ClientSampleId :

TP-11(1-2)

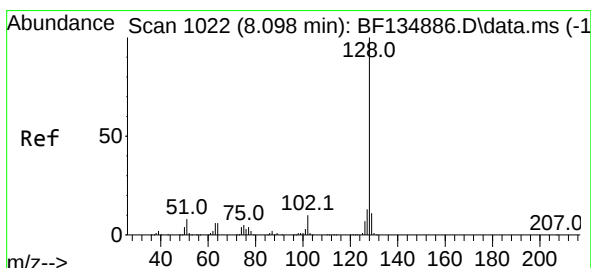
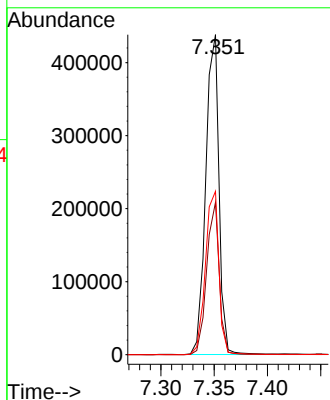
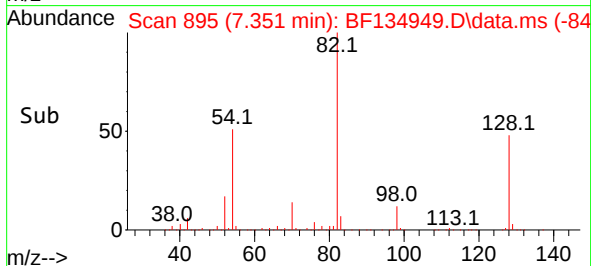


Tgt Ion: 82 Resp: 37884
Ion Ratio Lower Upper
82 100
128 47.6 36.6 54.8
54 51.0 42.6 63.8

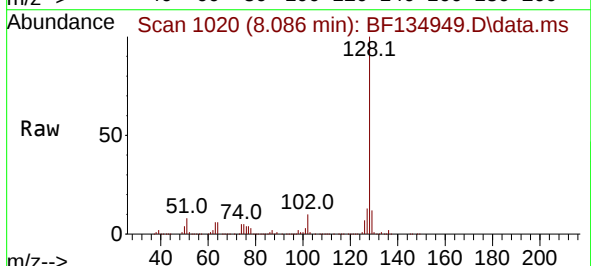
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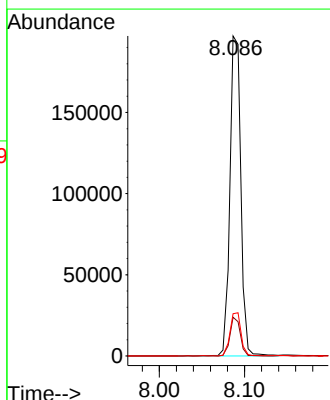
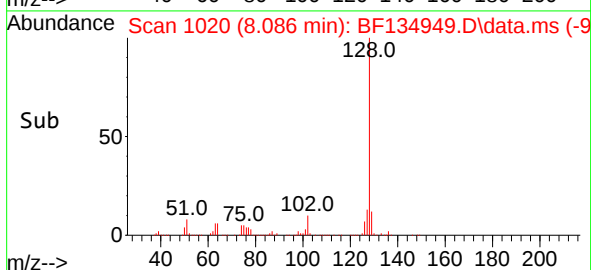
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023

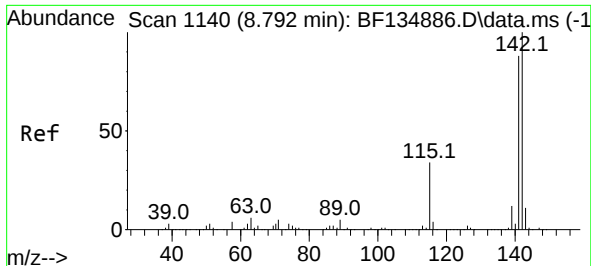


#31
Naphthalene
Concen: 11.421 ng
RT: 8.086 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40



Tgt Ion:128 Resp: 176000
Ion Ratio Lower Upper
128 100
129 12.1 9.0 13.4
127 13.2 10.6 16.0





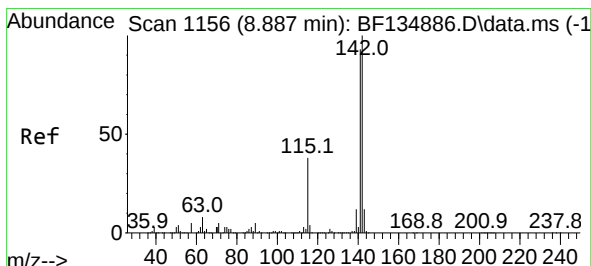
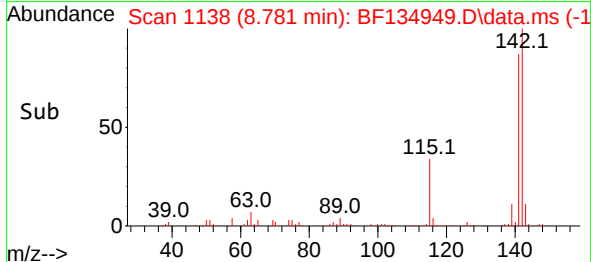
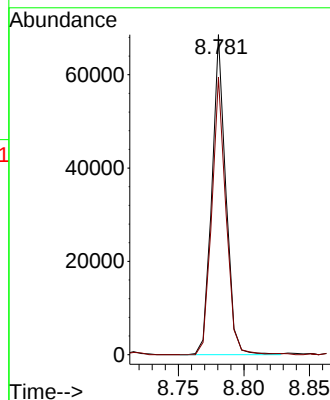
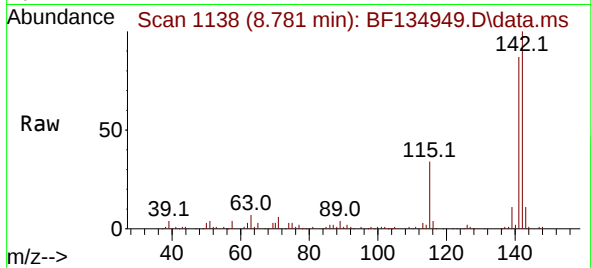
#37
2-Methylnaphthalene
Concen: 4.949 ng
RT: 8.781 min Scan# 1138
Delta R.T. -0.012 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)

Tgt Ion:142 Resp: 50859
Ion Ratio Lower Upper
142 100
141 86.7 70.2 105.2

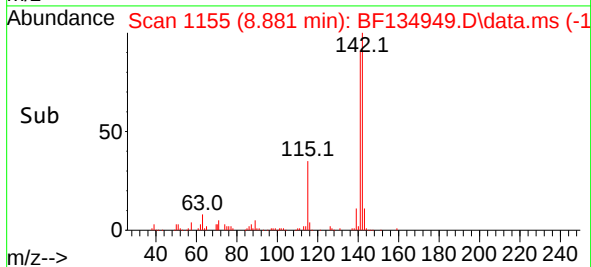
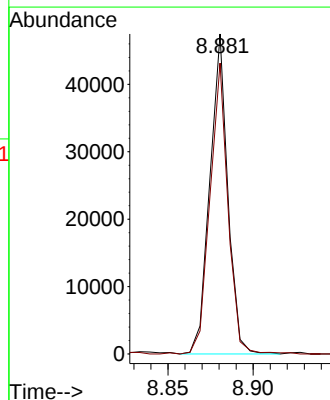
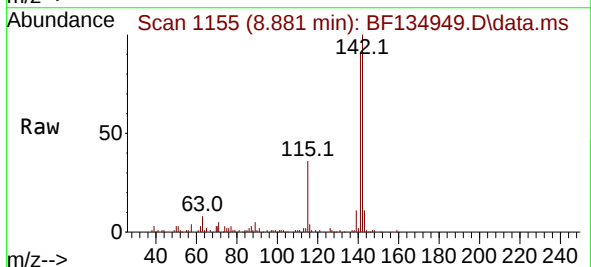
Manual Integrations
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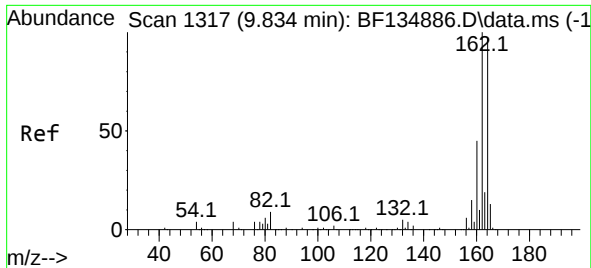
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#38
1-Methylnaphthalene
Concen: 3.612 ng
RT: 8.881 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

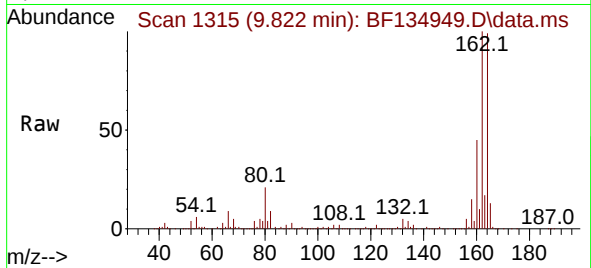
Tgt Ion:142 Resp: 34710
Ion Ratio Lower Upper
142 100
141 90.9 74.1 111.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

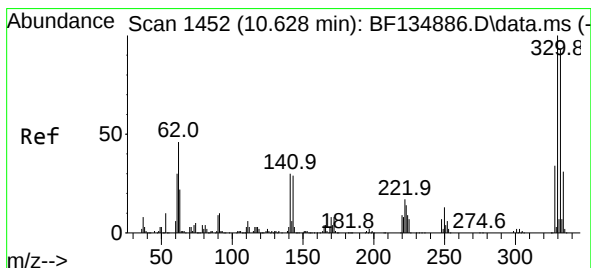
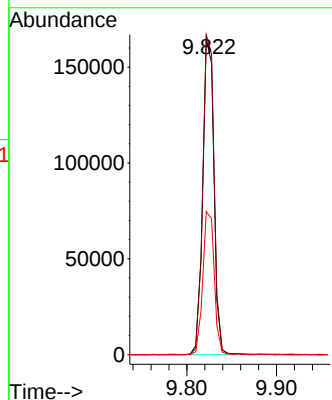
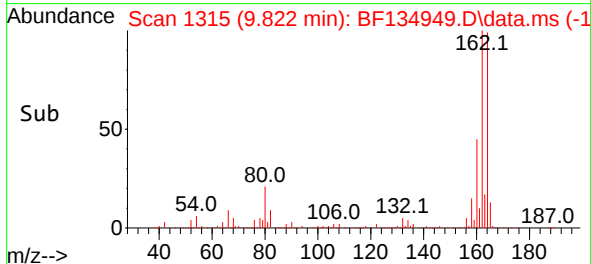
Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)



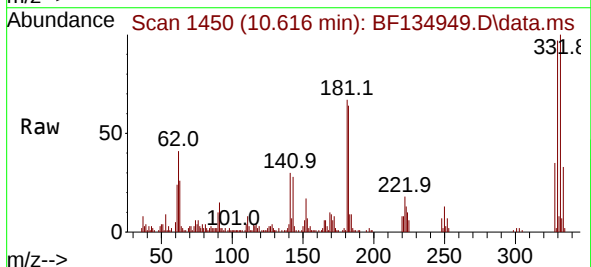
Tgt Ion:164 Resp: 142992
Ion Ratio Lower Upper
164 100
162 101.2 82.6 123.8
160 45.3 37.0 55.4

Manual Integrations
APPROVED

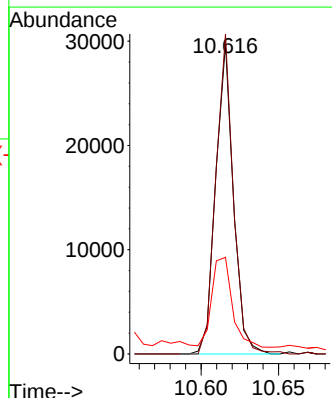
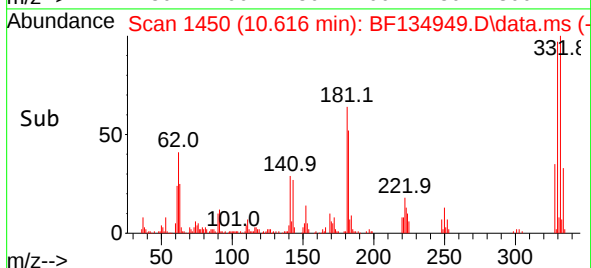
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023

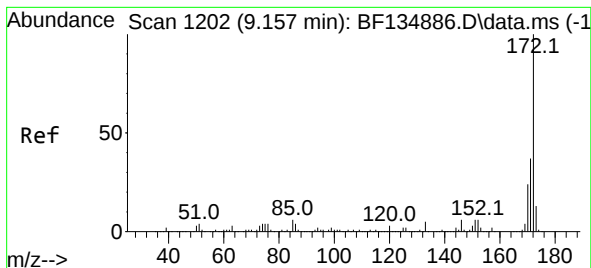


#42
2,4,6-Tribromophenol
Concen: 14.022 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40



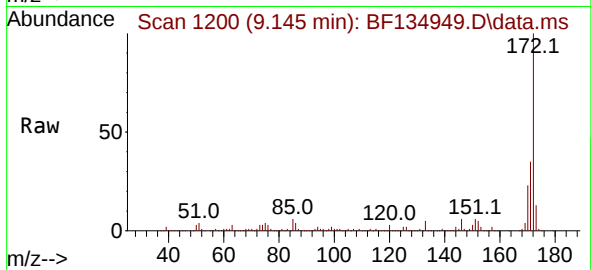
Tgt Ion:330 Resp: 23614
Ion Ratio Lower Upper
330 100
332 101.6 76.3 114.5
141 34.0 23.4 35.2





#45
2-Fluorobiphenyl
Concen: 72.450 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

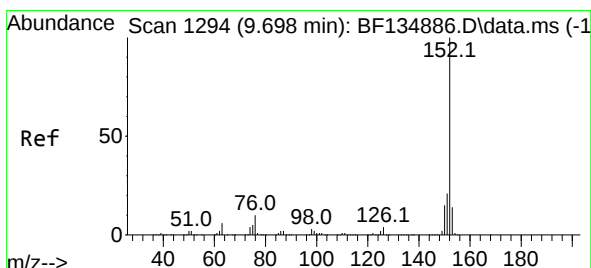
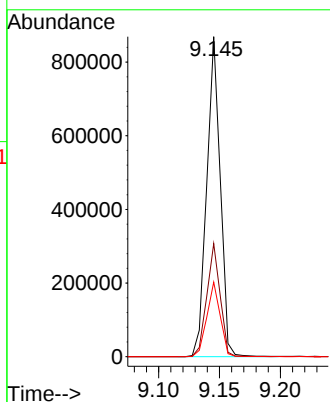
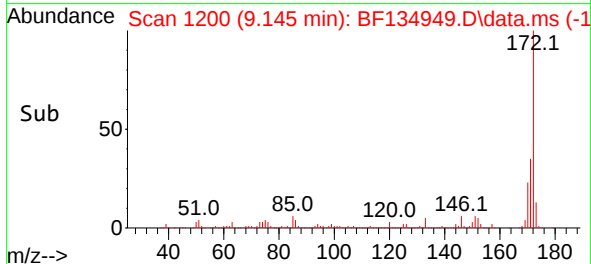
Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)



Tgt Ion:172 Resp: 670144
Ion Ratio Lower Upper
172 100
171 35.3 29.4 44.0
170 23.3 19.6 29.4

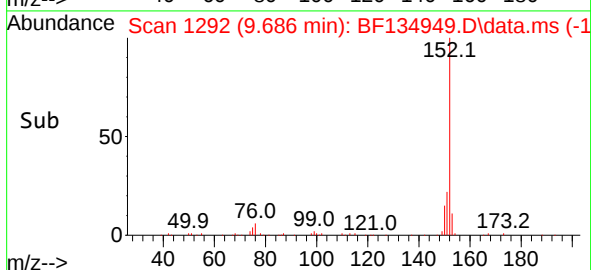
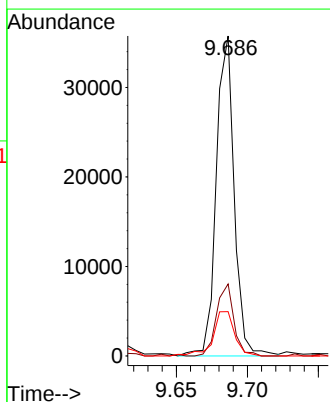
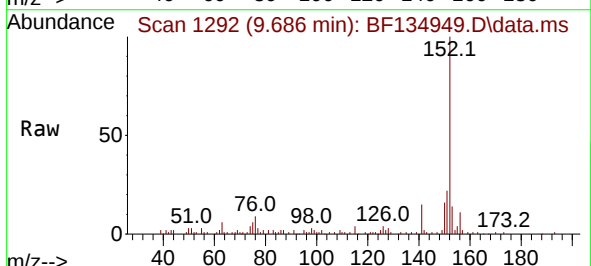
Manual Integrations
APPROVED

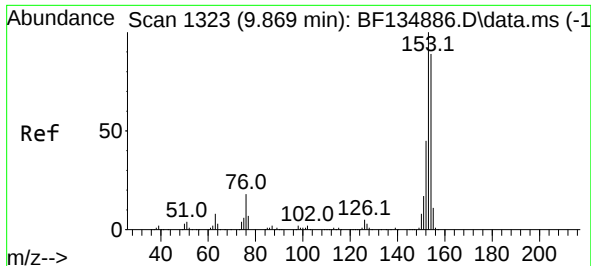
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#49
Acenaphthylene
Concen: 2.418 ng
RT: 9.686 min Scan# 1292
Delta R.T. -0.012 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

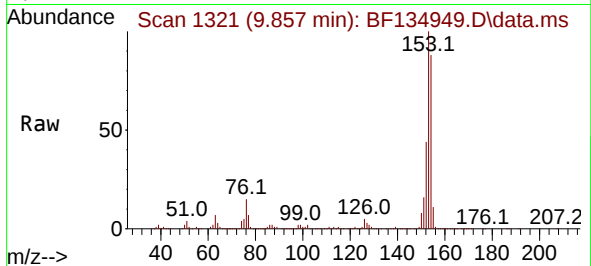
Tgt Ion:152 Resp: 31393
Ion Ratio Lower Upper
152 100
151 22.5 16.5 24.7
153 13.8 11.3 16.9





#52
Acenaphthene
Concen: 11.985 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

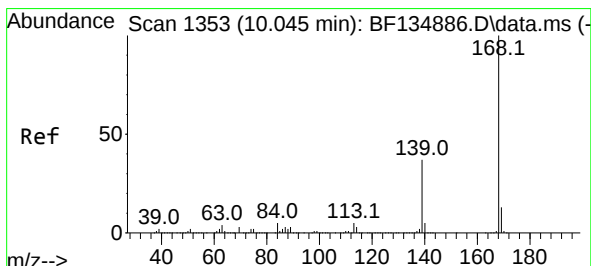
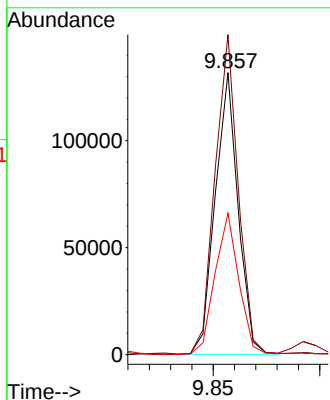
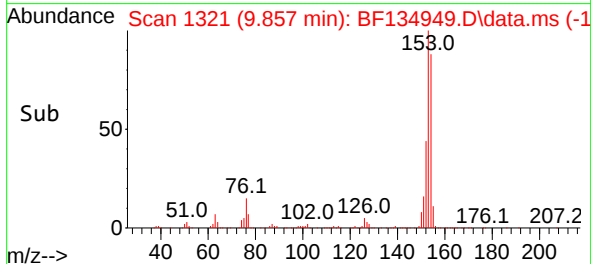
Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)



Tgt Ion:154 Resp: 9802
Ion Ratio Lower Upper
154 100
153 113.5 89.6 134.4
152 50.2 40.5 60.7

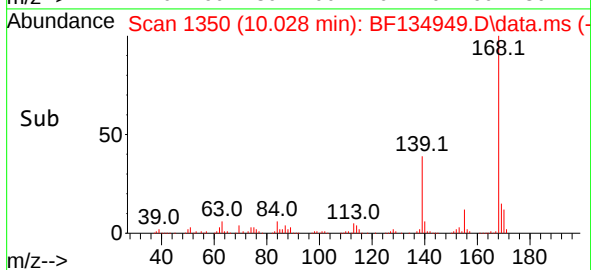
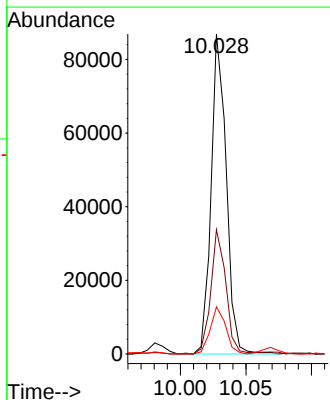
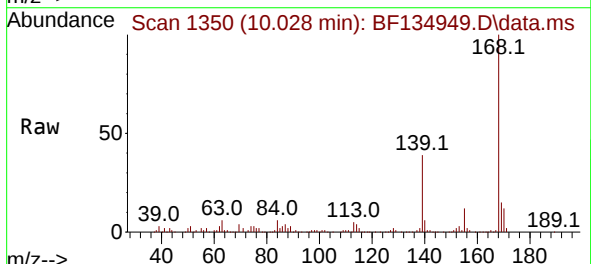
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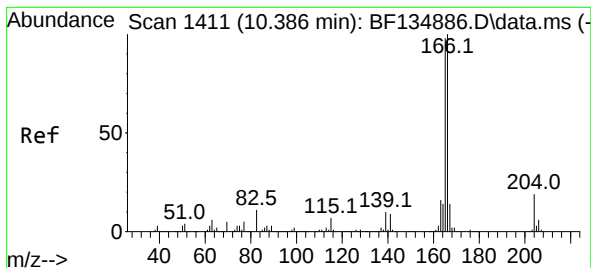
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#55
Dibenzofuran
Concen: 5.858 ng
RT: 10.028 min Scan# 1350
Delta R.T. -0.018 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

Tgt Ion:168 Resp: 69755
Ion Ratio Lower Upper
168 100
139 38.9 29.5 44.3
169 14.7 10.7 16.1





#58

Fluorene

Concen: 6.593 ng m

RT: 10.375 min Scan# 1411

Delta R.T. -0.011 min

Lab File: BF134949.D

Acq: 25 Aug 2023 19:40

Instrument :

BNA_F

ClientSampleId :

TP-11(1-2)

Tgt Ion:166 Resp: 5954

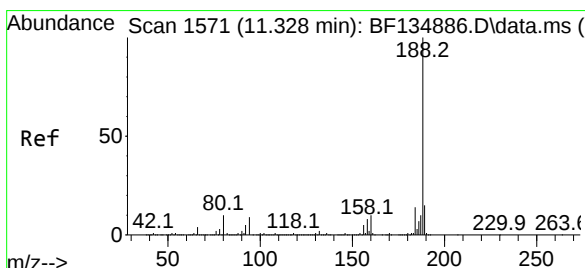
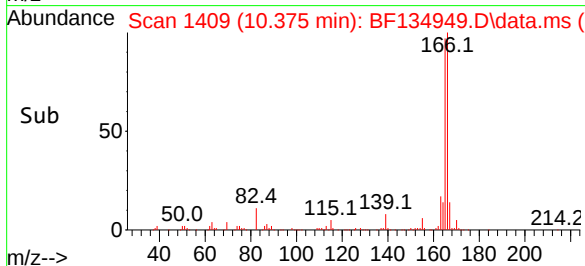
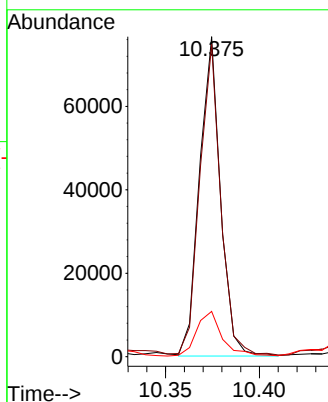
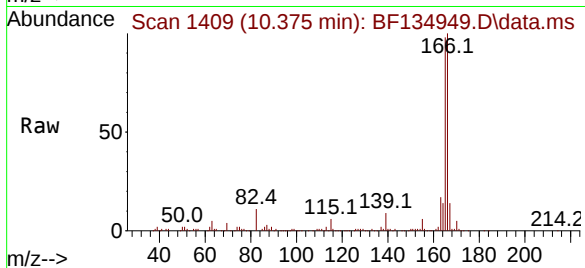
Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.5	117.7
167	14.2	11.0	16.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/28/2023

Supervised By :mohammad ahmed 08/28/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1569

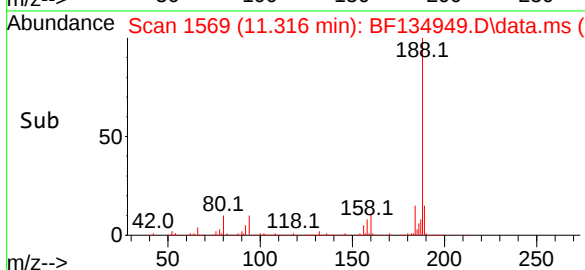
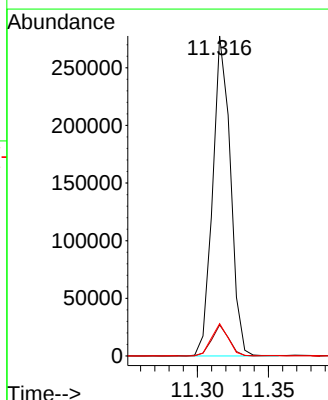
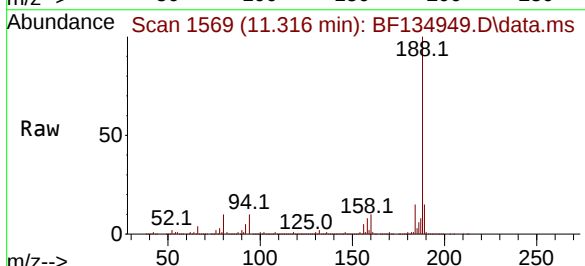
Delta R.T. -0.012 min

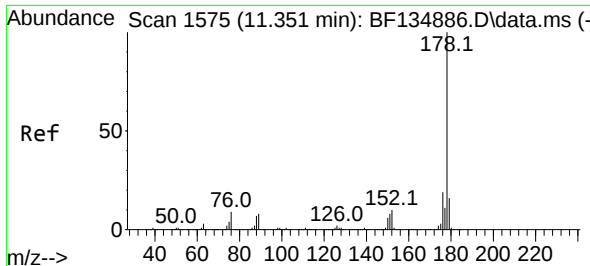
Lab File: BF134949.D

Acq: 25 Aug 2023 19:40

Tgt Ion:188 Resp: 241042

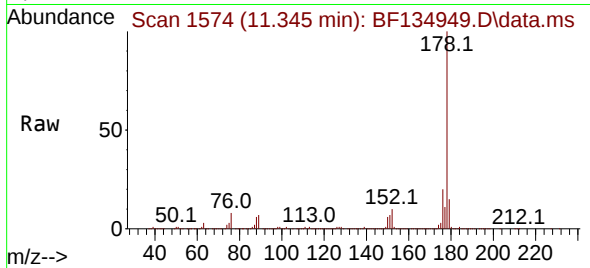
Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.5	11.3
80	10.1	7.8	11.6





#71
Phenanthrene
Concen: 59.870 ng
RT: 11.345 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

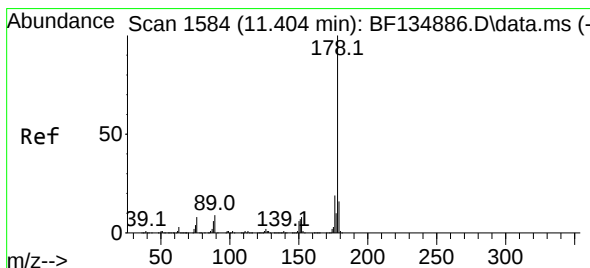
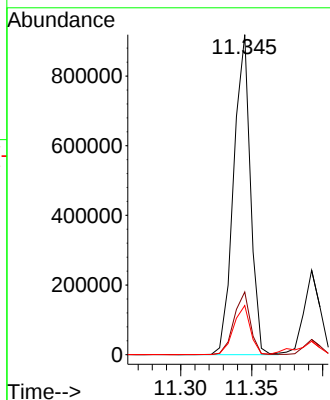
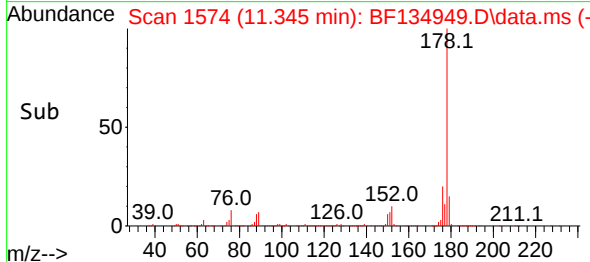
Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)



Tgt Ion:178 Resp: 756215
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 15.4 12.6 19.0

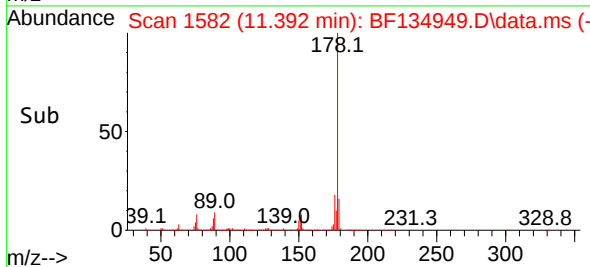
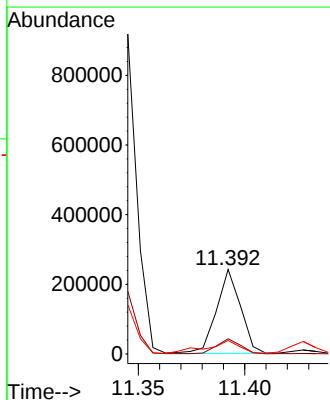
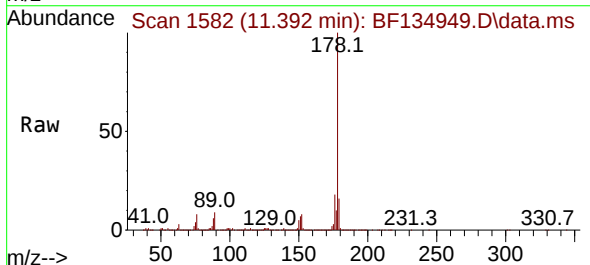
Manual Integrations
APPROVED

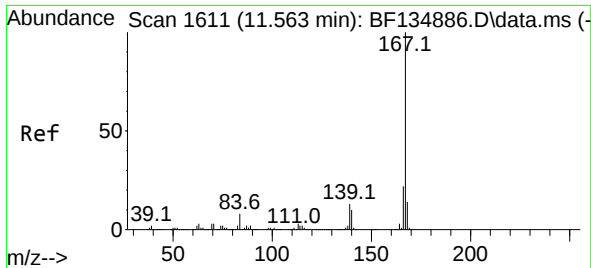
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#72
Anthracene
Concen: 14.474 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

Tgt Ion:178 Resp: 187315
Ion Ratio Lower Upper
178 100
176 18.1 15.0 22.6
179 15.8 12.5 18.7





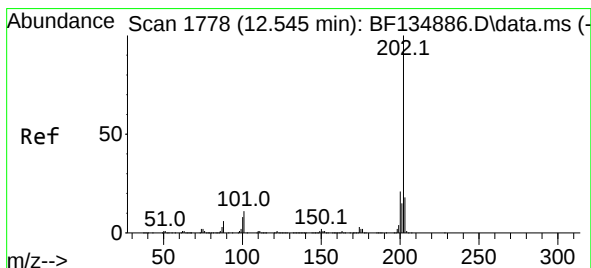
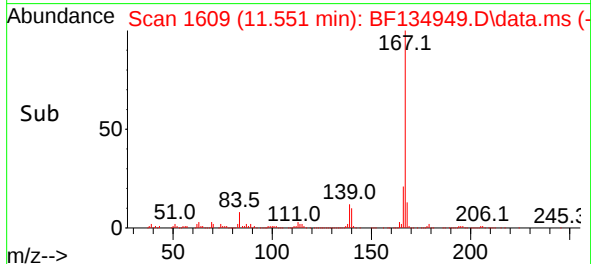
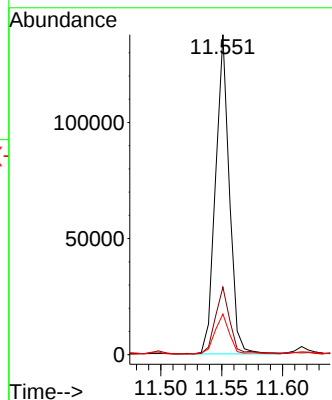
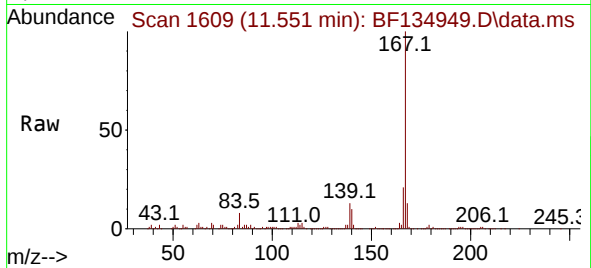
#73
 Carbazole
 Concen: 10.169 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.012 min
 Lab File: BF134949.D
 Acq: 25 Aug 2023 19:40

Instrument :
 BNA_F
 ClientSampleId :
 TP-11(1-2)

Tgt Ion:167 Resp: 108440
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.4 26.2
 139 12.7 10.4 15.6

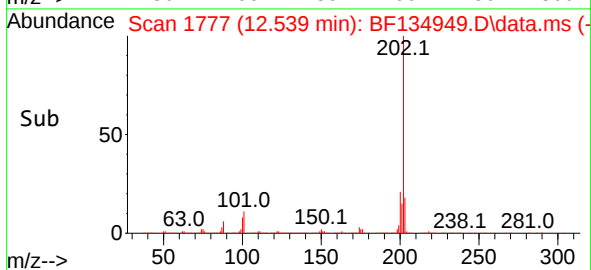
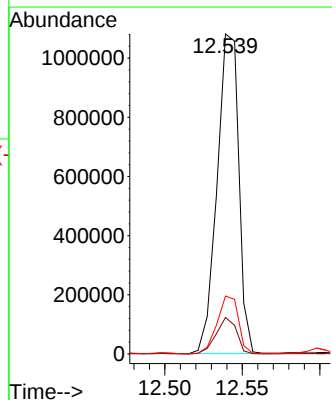
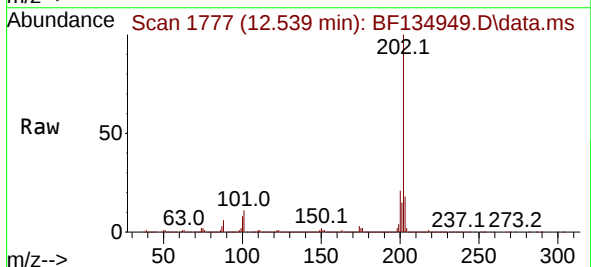
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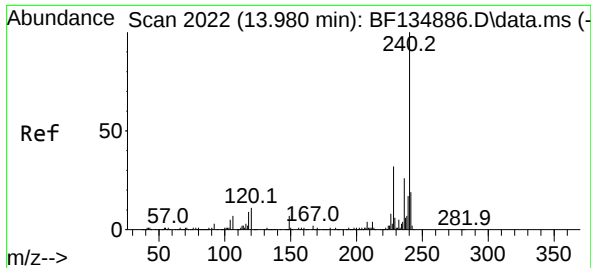
Reviewed By :Yogesh Patel 08/28/2023
 Supervised By :mohammad ahmed 08/28/2023



#75
 Fluoranthene
 Concen: 88.215 ng
 RT: 12.539 min Scan# 1777
 Delta R.T. -0.006 min
 Lab File: BF134949.D
 Acq: 25 Aug 2023 19:40

Tgt Ion:202 Resp: 1055756
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 30.5
 203 18.1 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

Instrument :

BNA_F

ClientSampleId :

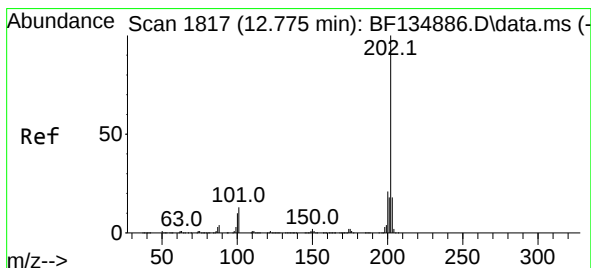
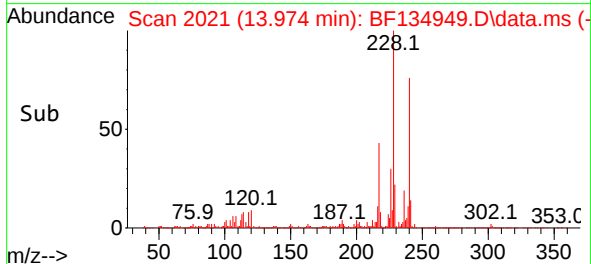
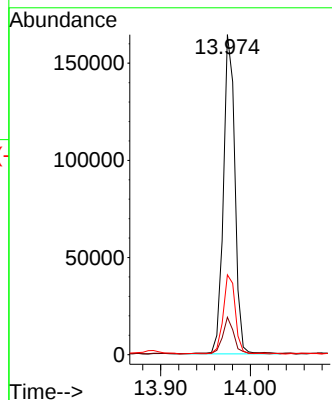
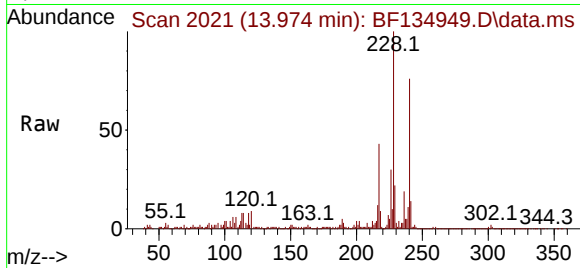
TP-11(1-2)

Tgt Ion:240 Resp: 14629
Ion Ratio Lower Upper
240 100
120 11.7 8.6 12.8
236 25.0 20.6 31.0

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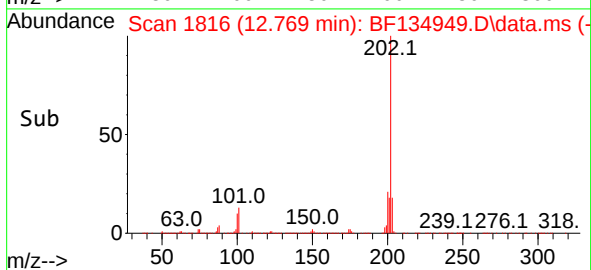
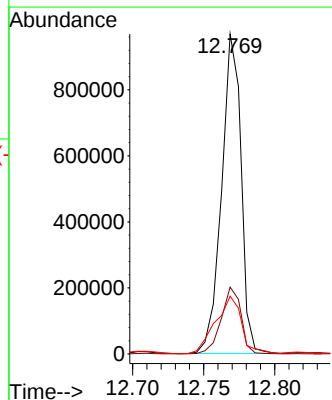
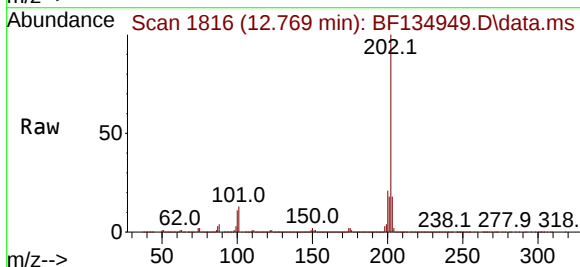
APPROVED

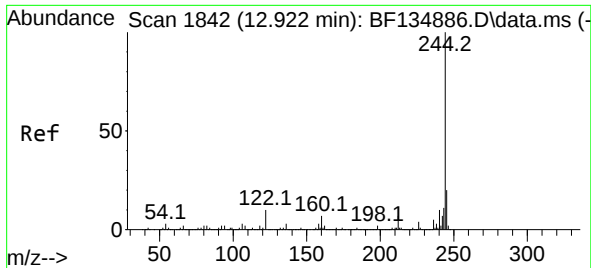
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#78
Pyrene
Concen: 59.336 ng
RT: 12.769 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

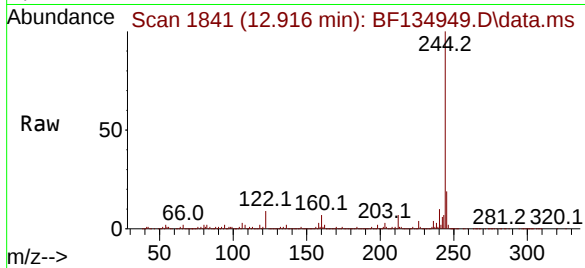
Tgt Ion:202 Resp: 920378
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 18.1 14.2 21.2





#79
 Terphenyl-d14
 Concen: 55.134 ng
 RT: 12.916 min Scan# 1842
 Delta R.T. -0.006 min
 Lab File: BF134949.D
 Acq: 25 Aug 2023 19:40

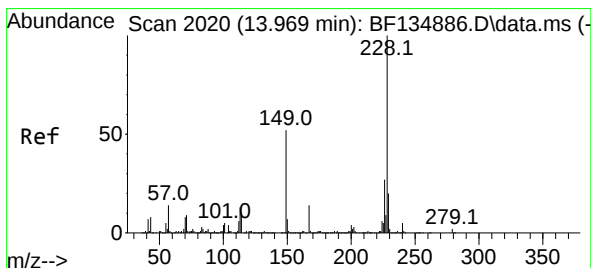
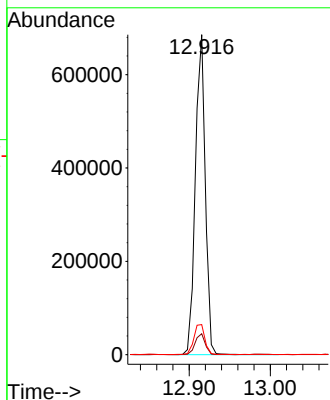
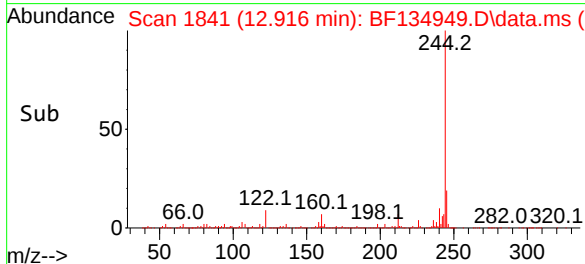
Instrument :
 BNA_F
 ClientSampleId :
 TP-11(1-2)



Tgt Ion:244 Resp: 586440
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 9.4 8.2 12.4

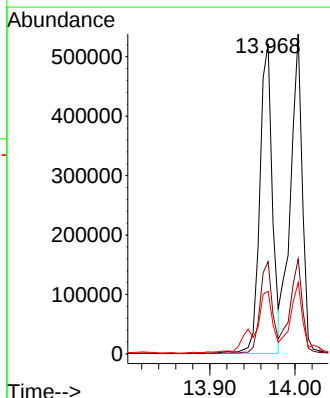
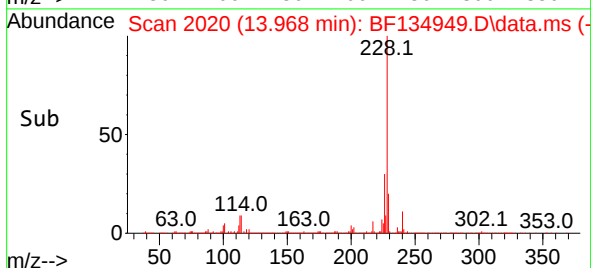
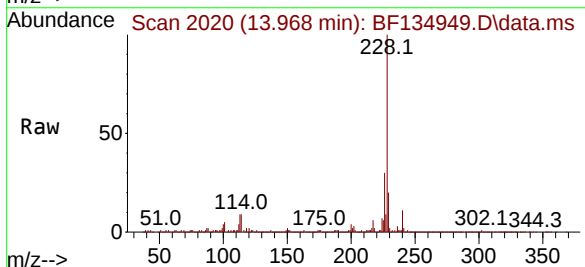
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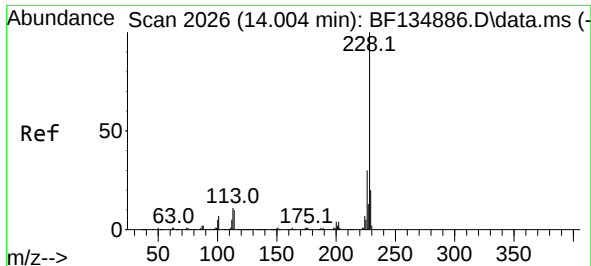
Reviewed By :Yogesh Patel 08/28/2023
 Supervised By :mohammad ahmed 08/28/2023



#81
 Benzo(a)anthracene
 Concen: 53.739 ng
 RT: 13.968 min Scan# 2020
 Delta R.T. -0.000 min
 Lab File: BF134949.D
 Acq: 25 Aug 2023 19:40

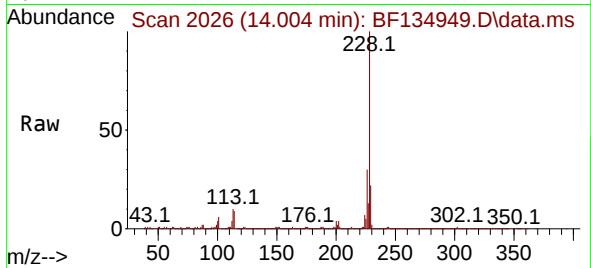
Tgt Ion:228 Resp: 536397
 Ion Ratio Lower Upper
 228 100
 226 29.8 21.8 32.6
 229 20.2 15.6 23.4





#83
Chrysene
Concen: 52.928 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

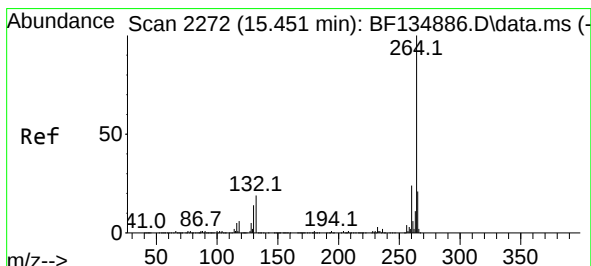
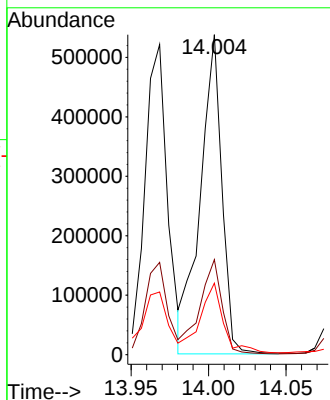
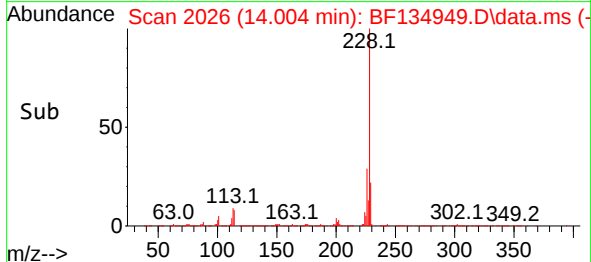
Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)



Tgt Ion:228 Resp: 52125
Ion Ratio Lower Upper
228 100
226 29.7 24.2 36.2
229 22.4 16.0 24.0

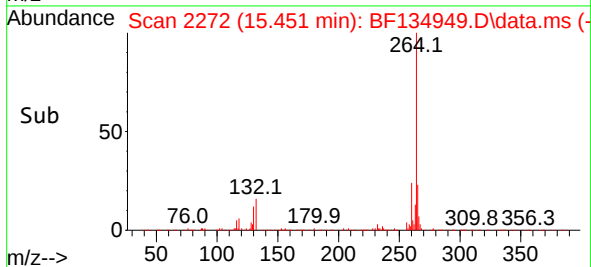
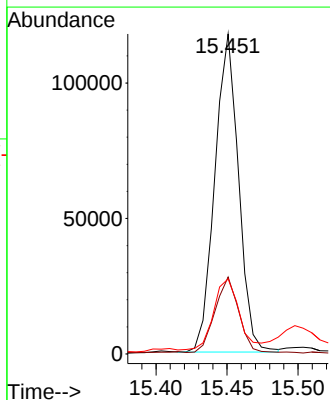
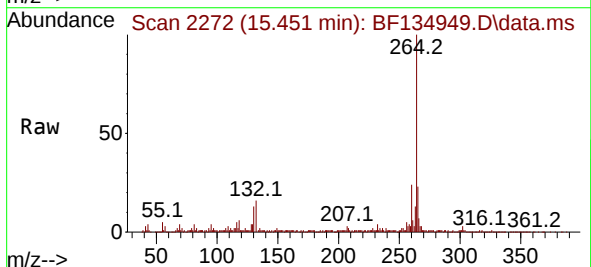
Manual Integrations
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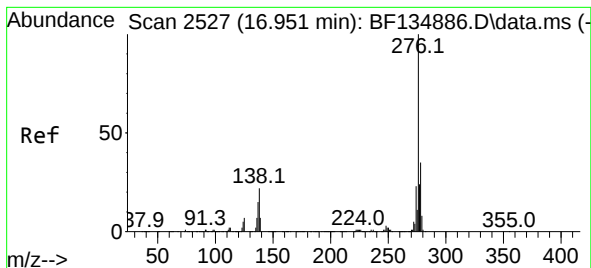
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

Tgt Ion:264 Resp: 136426
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.6
265 23.5 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 25.818 ng

RT: 16.939 min Scan# 2199

Delta R.T. -0.012 min

Lab File: BF134949.D

Acq: 25 Aug 2023 19:40

Instrument :

BNA_F

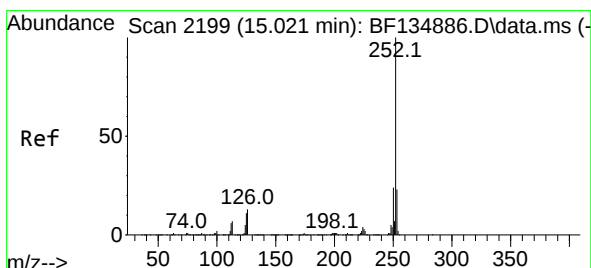
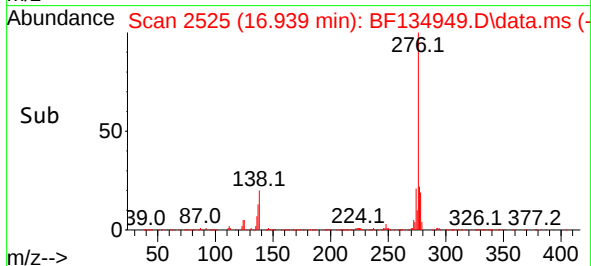
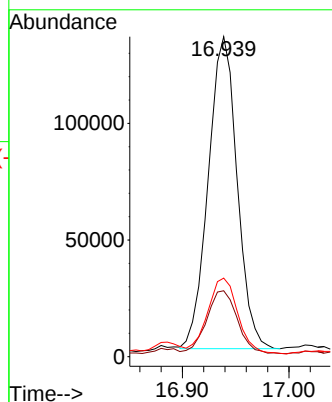
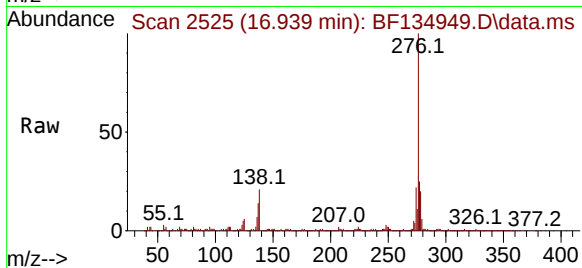
ClientSampleId :

TP-11(1-2)

Tgt Ion:276 Resp: 25176
 Ion Ratio Lower Upper
 276 100
 138 22.2 19.7 29.5
 277 25.5 20.1 30.1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/28/2023
 Supervised By :mohammad ahmed 08/28/2023



#88

Benzo(b)fluoranthene

Concen: 86.998 ng m

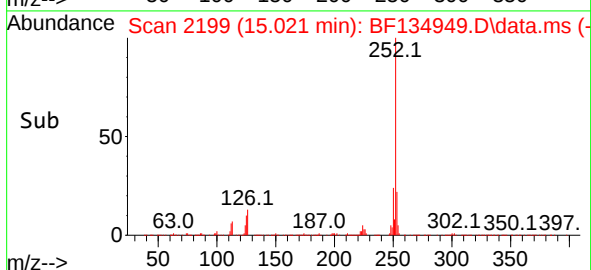
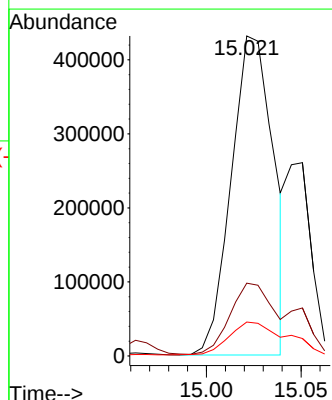
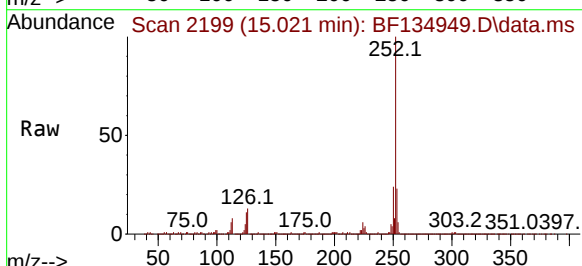
RT: 15.021 min Scan# 2199

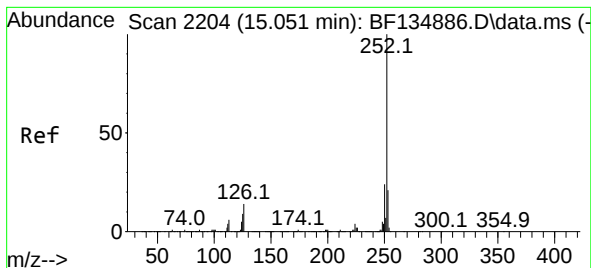
Delta R.T. -0.000 min

Lab File: BF134949.D

Acq: 25 Aug 2023 19:40

Tgt Ion:252 Resp: 669627
 Ion Ratio Lower Upper
 252 100
 253 22.7 18.1 27.1
 125 10.6 8.4 12.6





#89

Benzo(k)fluoranthene

Concen: 30.172 ng m

RT: 15.051 min Scan# 2204

Delta R.T. -0.000 min

Lab File: BF134949.D

Acq: 25 Aug 2023 19:40

Instrument :

BNA_F

ClientSampleId :

TP-11(1-2)

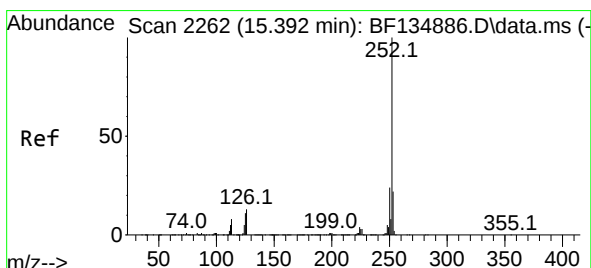
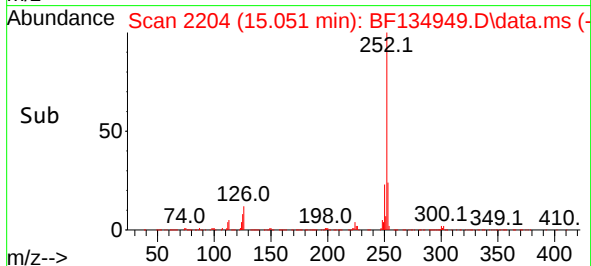
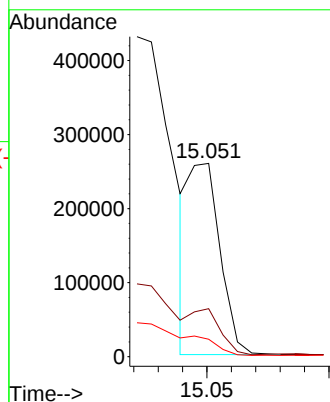
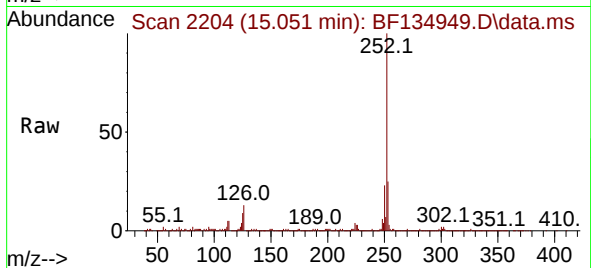
Tgt Ion:252 Resp: 228050
 Ion Ratio Lower Upper
 252 100
 253 24.8 17.1 25.7
 125 9.0 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/28/2023

Supervised By :mohammad ahmed 08/28/2023



#90

Benzo(a)pyrene

Concen: 62.363 ng

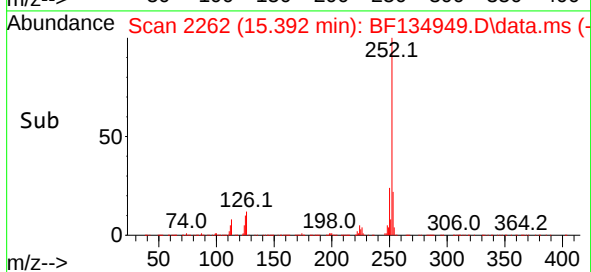
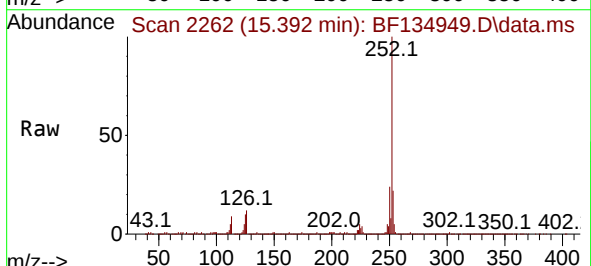
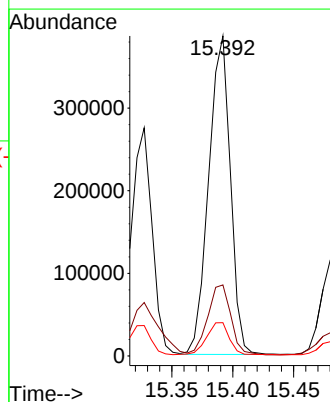
RT: 15.392 min Scan# 2262

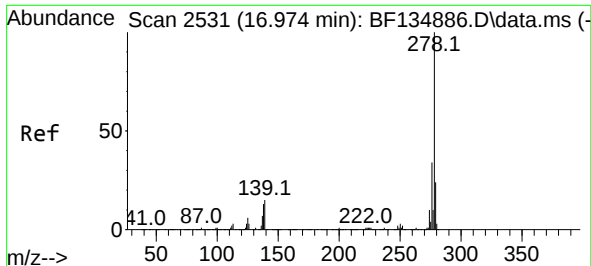
Delta R.T. -0.000 min

Lab File: BF134949.D

Acq: 25 Aug 2023 19:40

Tgt Ion:252 Resp: 479187
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.6 26.4
 125 10.4 8.4 12.6





#91
Dibenzo(a,h)anthracene
Concen: 8.480 ng m
RT: 16.951 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

Instrument :

BNA_F

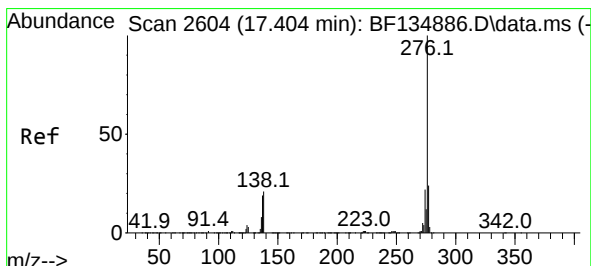
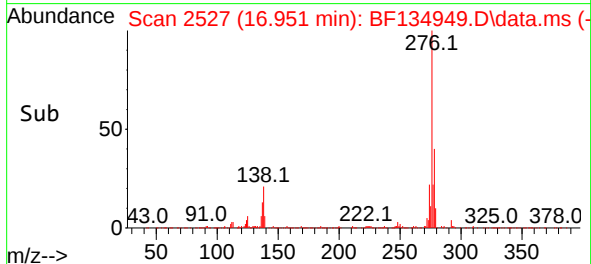
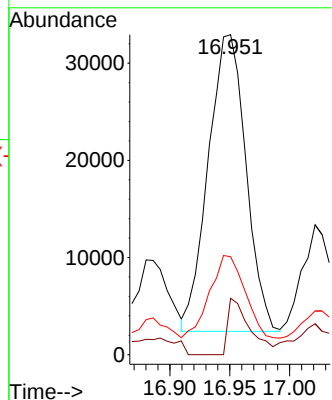
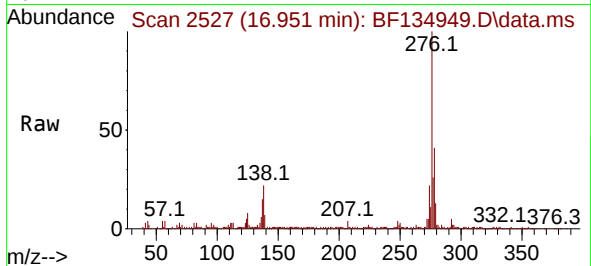
ClientSampleId :

TP-11(1-2)

Tgt Ion:278 Resp: 6691
Ion Ratio Lower Upper
278 100
139 17.6 12.2 18.4
279 30.6 19.1 28.7

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#92
Benzo(g,h,i)perylene
Concen: 30.605 ng
RT: 17.392 min Scan# 2602
Delta R.T. -0.012 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

Tgt Ion:276 Resp: 247200
Ion Ratio Lower Upper
276 100
277 24.0 19.2 28.8
138 20.7 17.0 25.6

