

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
 Data File : BF134945.D
 Acq On : 25 Aug 2023 17:29
 Operator : CG\JU
 Sample : 04110-15
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-22(3-4)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/26/2023
 Supervised By :mohammad ahmed 08/26/2023

Quant Time: Aug 25 17:46:54 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	6.787	152	97879	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	375629	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	178456	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	313179	20.000	ng	-0.01
76) Chrysene-d12	13.974	240	194671	20.000	ng	0.00
86) Perylene-d12	15.445	264	169640	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	500379	81.522	ng	0.00
7) Phenol-d6	6.422	99	639063	81.480	ng	-0.02
23) Nitrobenzene-d5	7.351	82	397452	58.305	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	147258	70.064	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	739579	64.067	ng	-0.01
79) Terphenyl-d14	12.916	244	735866	51.991	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.086	128	60095	3.204	ng	100
52) Acenaphthene	9.857	154	55469	5.434	ng	98
58) Fluorene	10.375	166	35819	3.178	ng	100
71) Phenanthrene	11.339	178	494598	30.138	ng	100
72) Anthracene	11.392	178	114088	6.785	ng	97
73) Carbazole	11.551	167	75003	5.413	ng	99
75) Fluoranthene	12.539	202	752075	48.366	ng	99
78) Pyrene	12.769	202	653525	31.663	ng	100
81) Benzo(a)anthracene	13.963	228	374220	28.175	ng	98
83) Chrysene	13.998	228	326777	24.936	ng	97
87) Indeno(1,2,3-cd)pyrene	16.927	276	141447	11.665	ng	98
88) Benzo(b)fluoranthene	15.015	252	412948m	43.146	ng	
89) Benzo(k)fluoranthene	15.039	252	134886m	14.352	ng	
90) Benzo(a)pyrene	15.380	252	280564	29.364	ng	99
91) Dibenzo(a,h)anthracene	16.939	278	41427	4.222	ng	95
92) Benzo(g,h,i)perylene	17.380	276	140995	14.038	ng	98

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

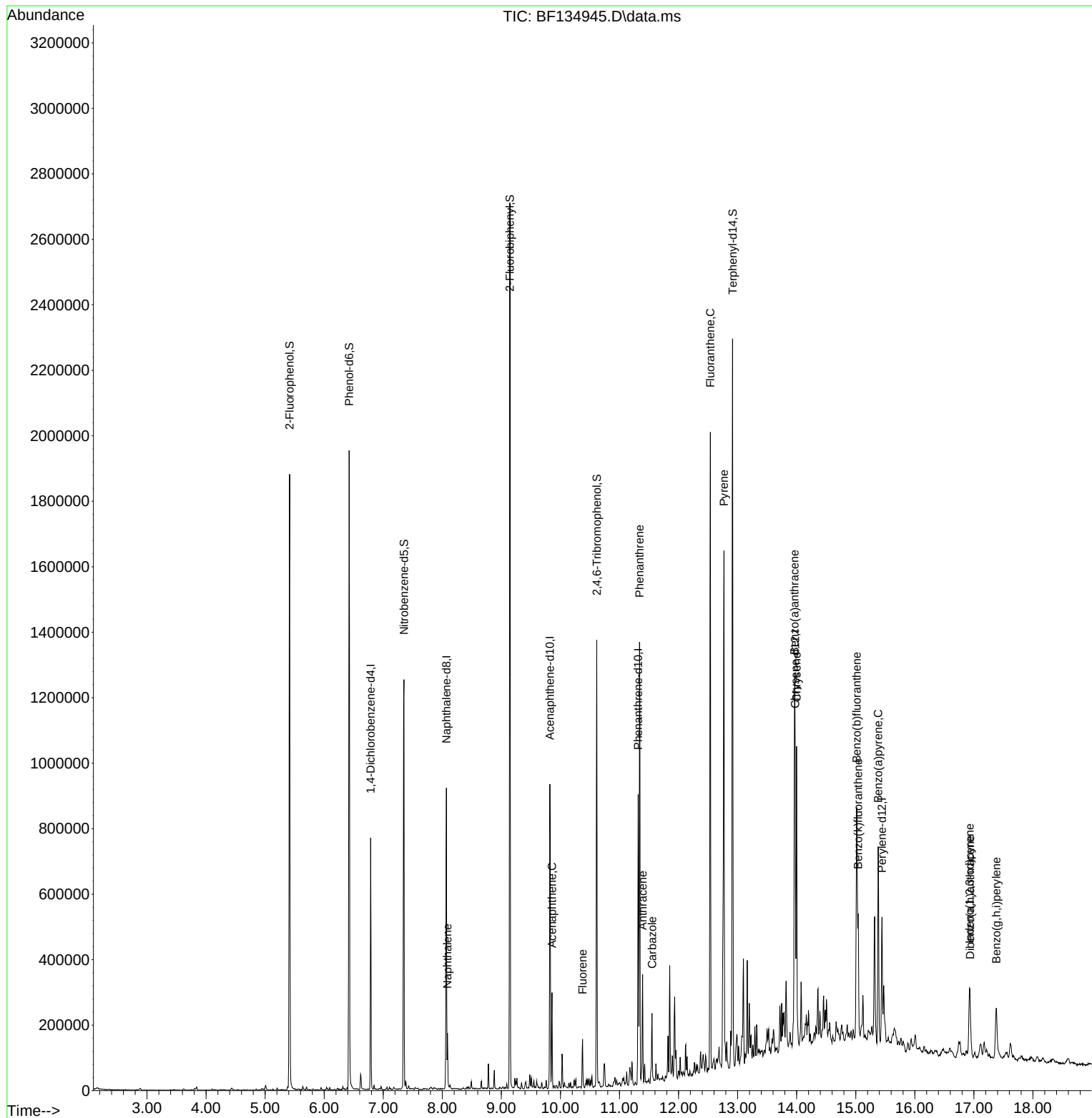
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
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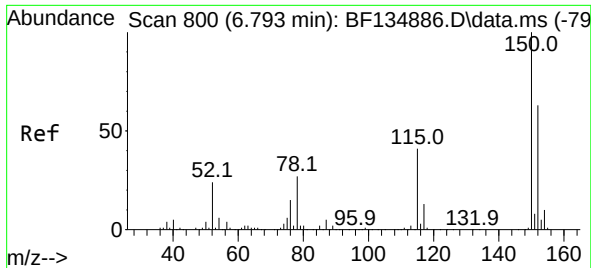
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Quant Time: Aug 25 17:46:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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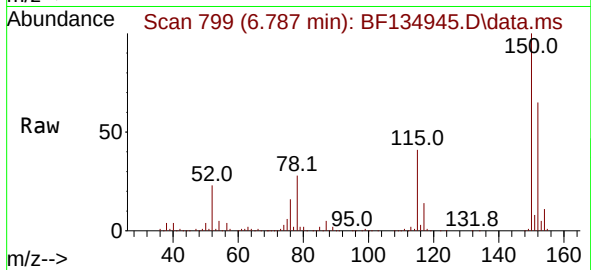
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 799
Delta R.T. -0.006 min
Lab File: BF134945.D
Acq: 25 Aug 2023 17:29

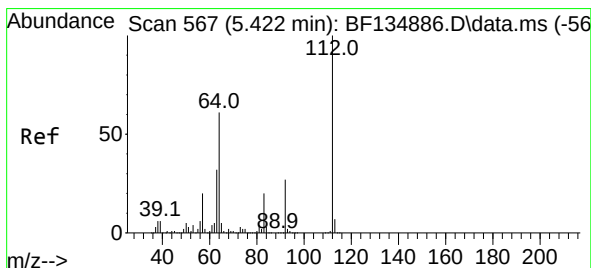
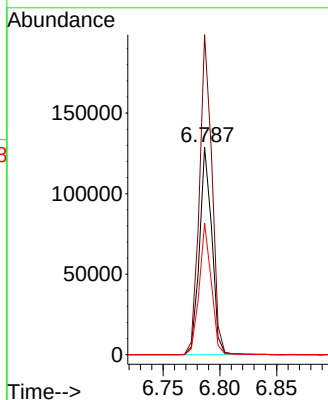
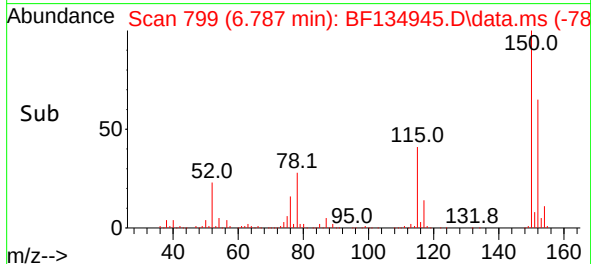
Instrument :
BNA_F
ClientSampleId :
TP-22(3-4)



Tgt Ion:152 Resp: 97879
Ion Ratio Lower Upper
152 100
150 154.2 126.1 189.1
115 63.4 51.1 76.7

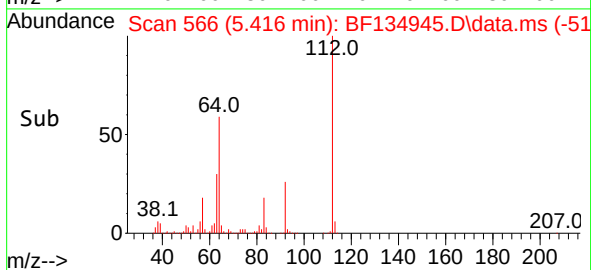
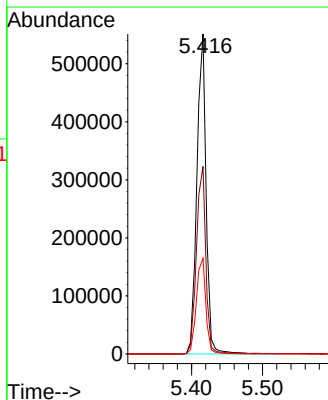
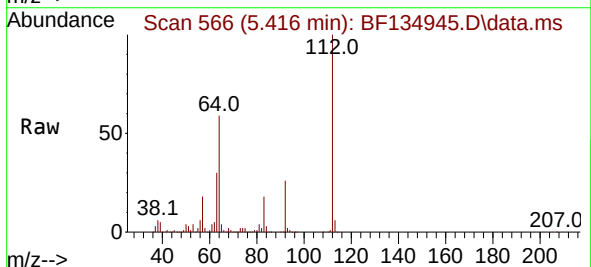
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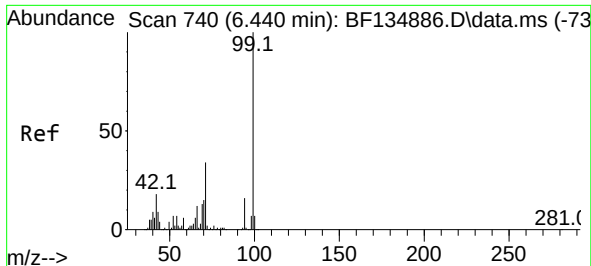
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#5
2-Fluorophenol
Concen: 81.522 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF134945.D
Acq: 25 Aug 2023 17:29

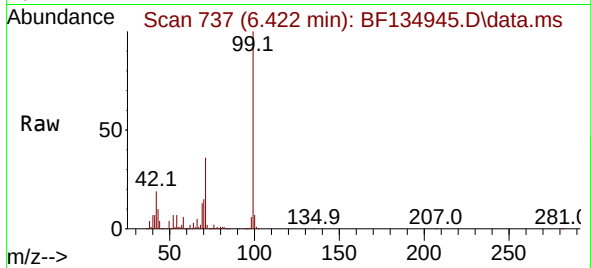
Tgt Ion:112 Resp: 500379
Ion Ratio Lower Upper
112 100
64 58.6 48.6 73.0
63 29.9 25.7 38.5





#7
Phenol-d6
Concen: 81.480 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF134945.D
Acq: 25 Aug 2023 17:29

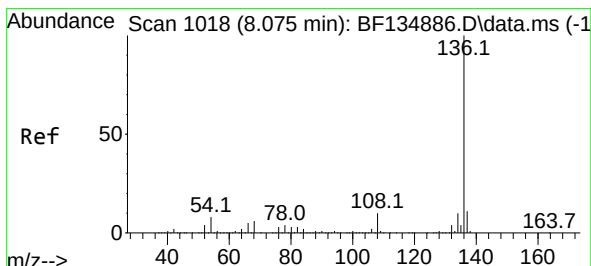
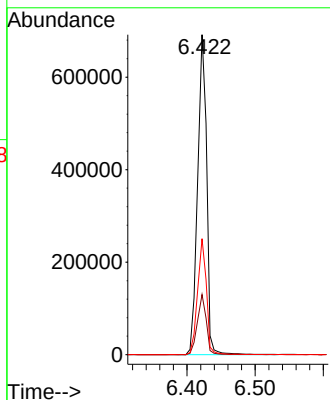
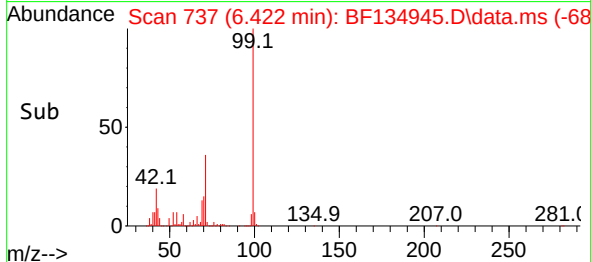
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 63906
Ion Ratio Lower Upper
99 100
42 18.8 14.6 22.0
71 36.3 27.6 41.4

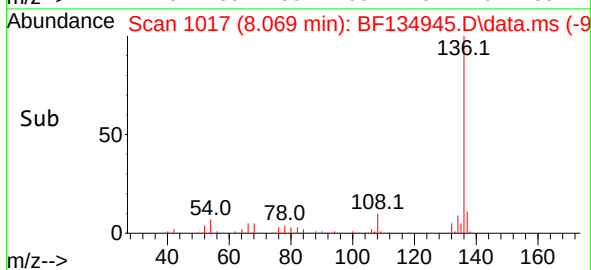
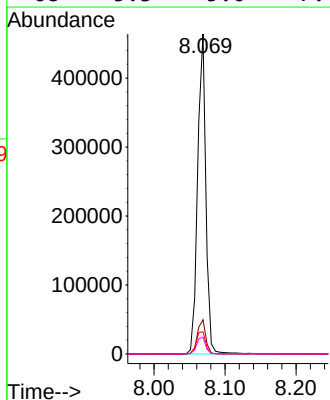
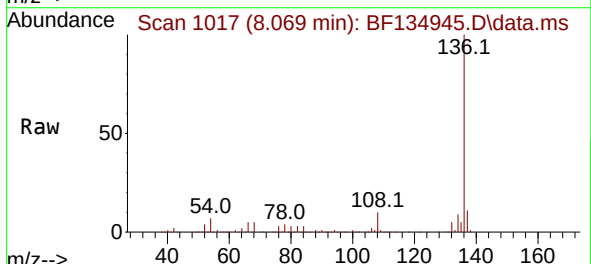
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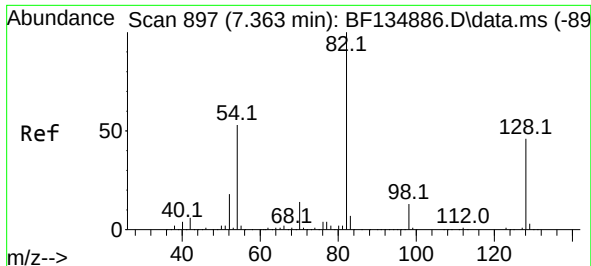
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF134945.D
Acq: 25 Aug 2023 17:29

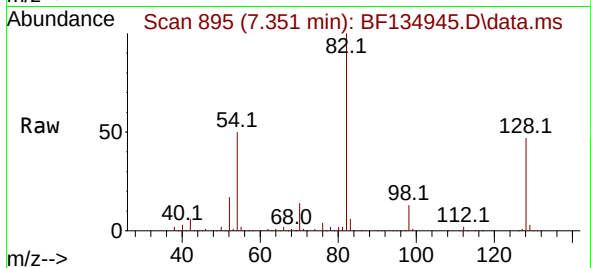
Tgt Ion:136 Resp: 375629
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.0 6.6 9.8
68 5.3 5.0 7.4





#23
Nitrobenzene-d5
Concen: 58.305 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF134945.D
Acq: 25 Aug 2023 17:29

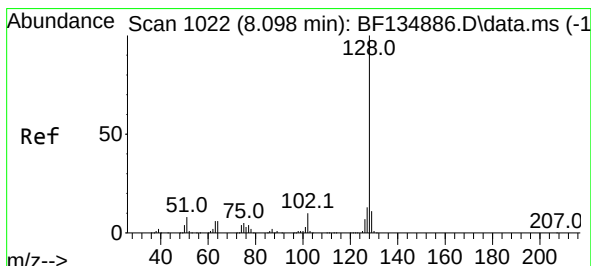
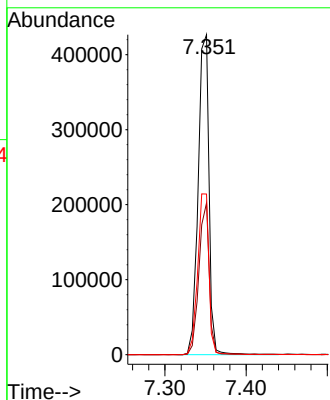
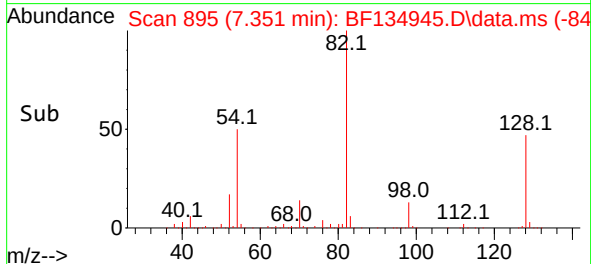
Instrument :
BNA_F
ClientSampleId :
TP-22(3-4)



Tgt Ion: 82 Resp: 397452
Ion Ratio Lower Upper
82 100
128 47.4 36.6 54.8
54 50.2 42.6 63.8

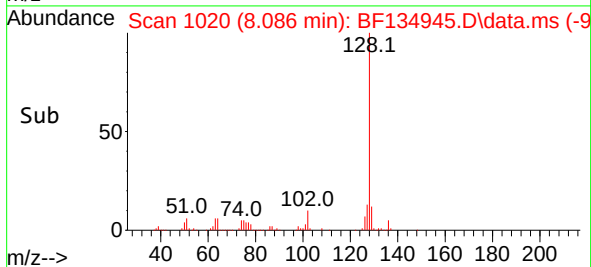
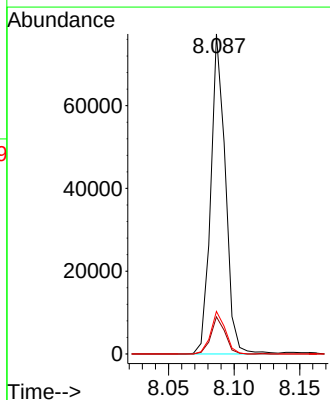
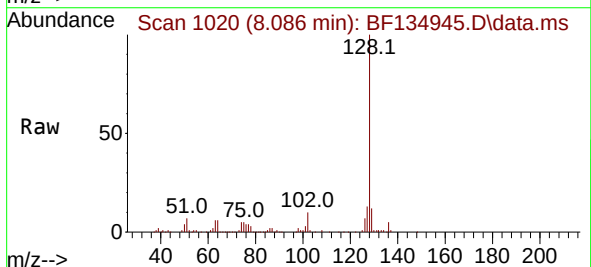
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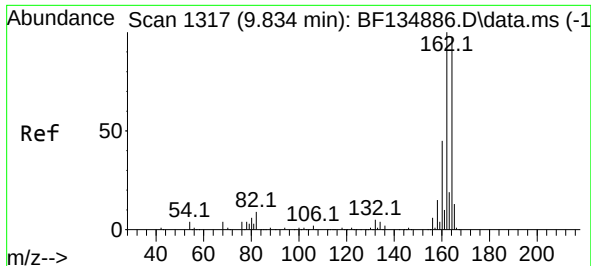
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#31
Naphthalene
Concen: 3.204 ng
RT: 8.086 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BF134945.D
Acq: 25 Aug 2023 17:29

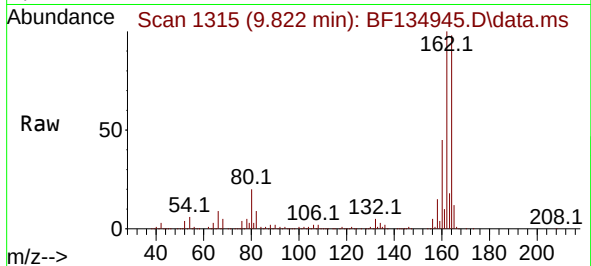
Tgt Ion:128 Resp: 60095
Ion Ratio Lower Upper
128 100
129 11.6 9.0 13.4
127 13.3 10.6 16.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134945.D
Acq: 25 Aug 2023 17:29

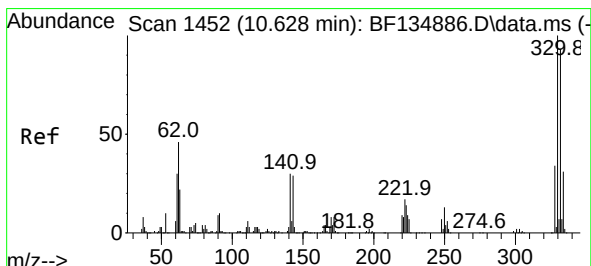
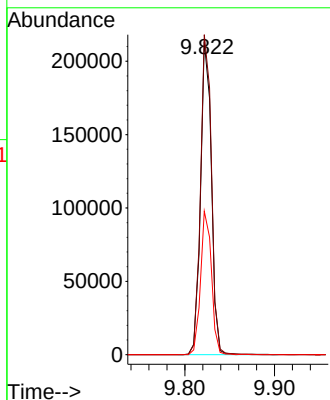
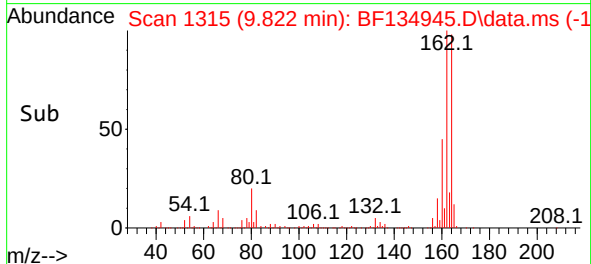
Instrument :
BNA_F
ClientSampleId :
TP-22(3-4)



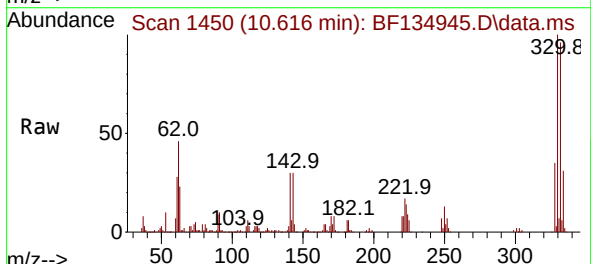
Tgt Ion:164 Resp: 178450
Ion Ratio Lower Upper
164 100
162 102.3 82.6 123.8
160 45.9 37.0 55.4

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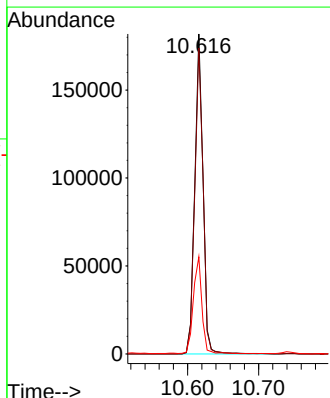
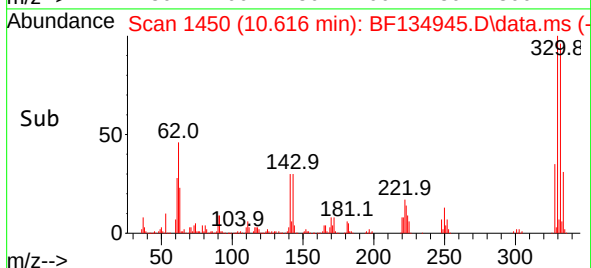
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023

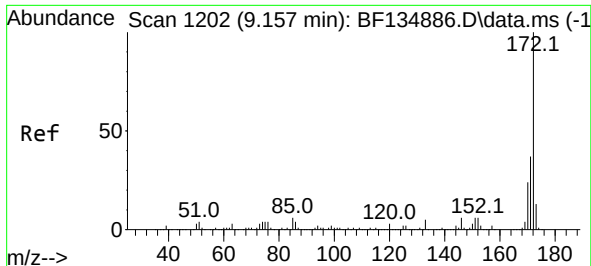


#42
2,4,6-Tribromophenol
Concen: 70.064 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF134945.D
Acq: 25 Aug 2023 17:29



Tgt Ion:330 Resp: 147258
Ion Ratio Lower Upper
330 100
332 96.7 76.3 114.5
141 32.1 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 64.067 ng

RT: 9.145 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134945.D

Acq: 25 Aug 2023 17:29

Instrument :

BNA_F

ClientSampleId :

TP-22(3-4)

Tgt Ion:172 Resp: 739579

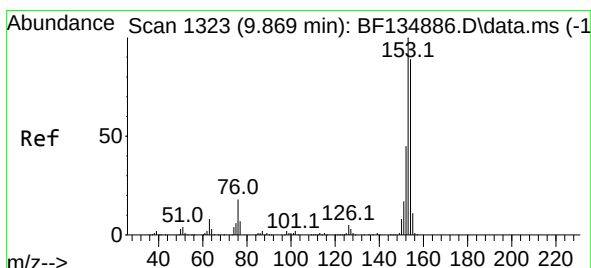
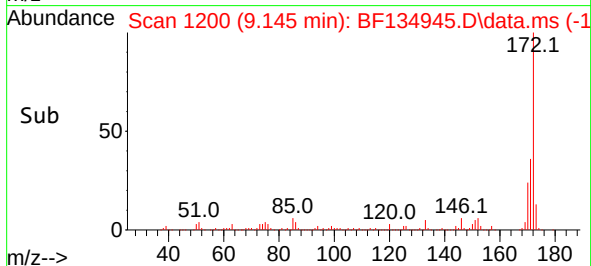
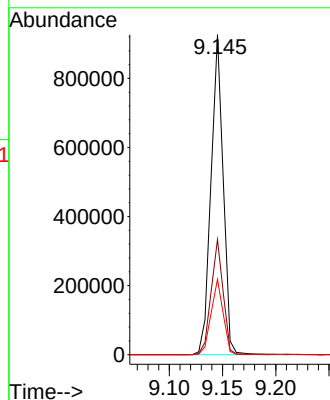
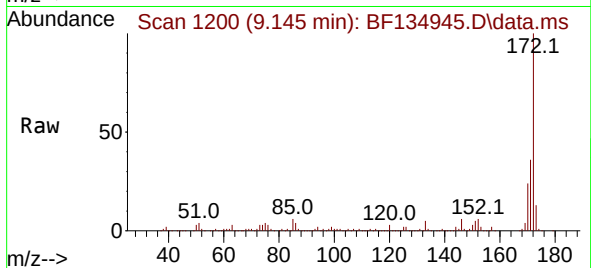
Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.0
170	23.6	19.6	29.4

Manual Integrations

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Supervised By :mohammad ahmed 08/26/2023



#52

Acenaphthene

Concen: 5.434 ng

RT: 9.857 min Scan# 1321

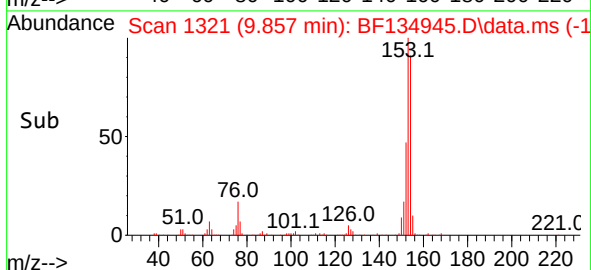
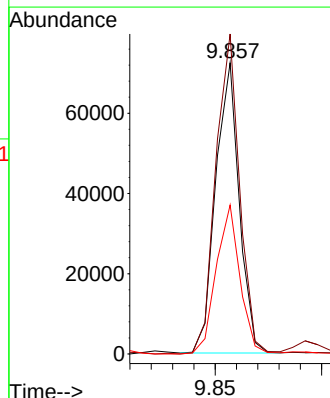
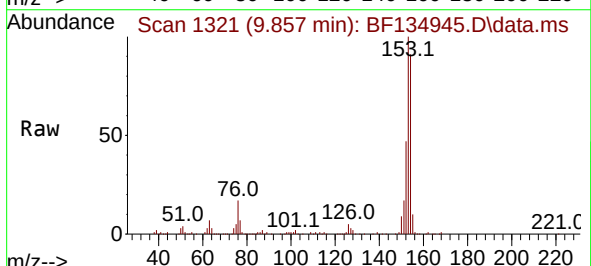
Delta R.T. -0.012 min

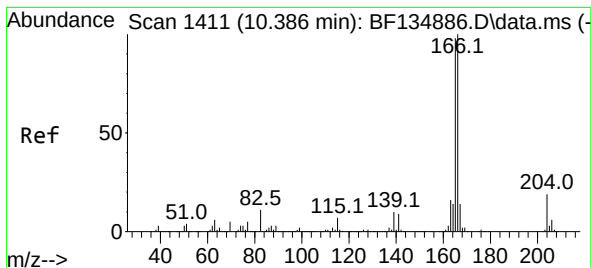
Lab File: BF134945.D

Acq: 25 Aug 2023 17:29

Tgt Ion:154 Resp: 55469

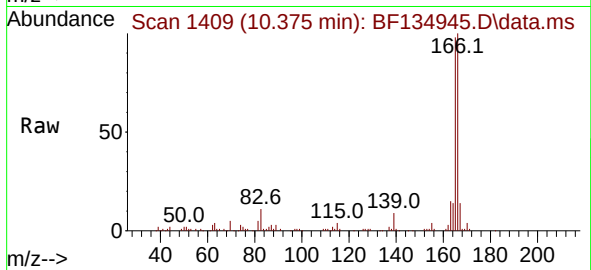
Ion	Ratio	Lower	Upper
154	100		
153	109.9	89.6	134.4
152	51.2	40.5	60.7





#58
Fluorene
Concen: 3.178 ng
RT: 10.375 min Scan# 1411
Delta R.T. -0.011 min
Lab File: BF134945.D
Acq: 25 Aug 2023 17:29

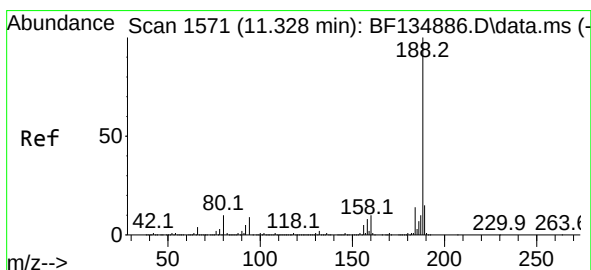
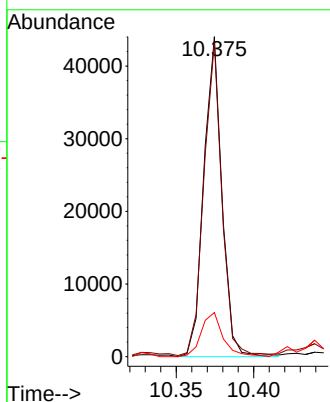
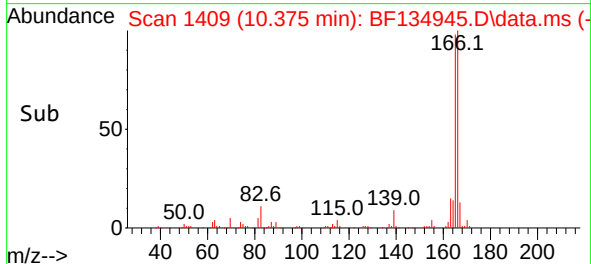
Instrument :
BNA_F
ClientSampleId :
TP-22(3-4)



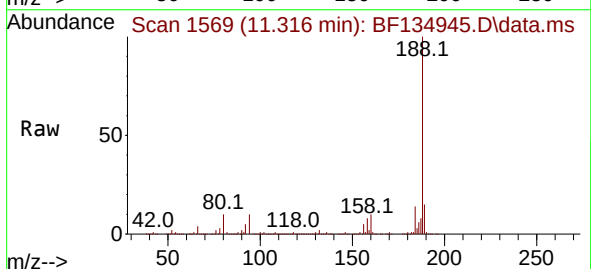
Tgt Ion:166 Resp: 35819
Ion Ratio Lower Upper
166 100
165 98.2 78.5 117.7
167 13.8 11.0 16.6

Manual Integrations
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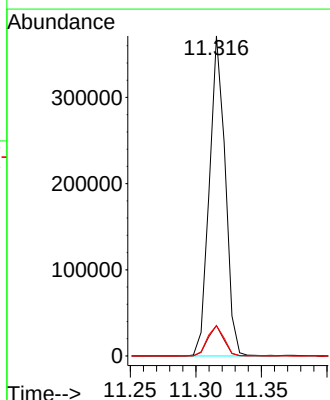
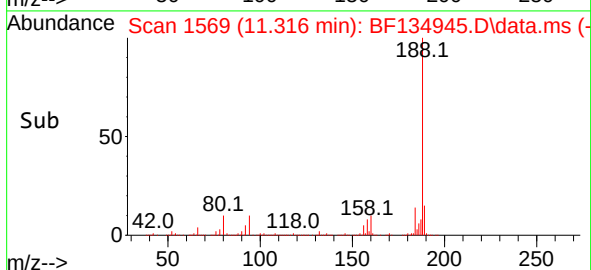
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023

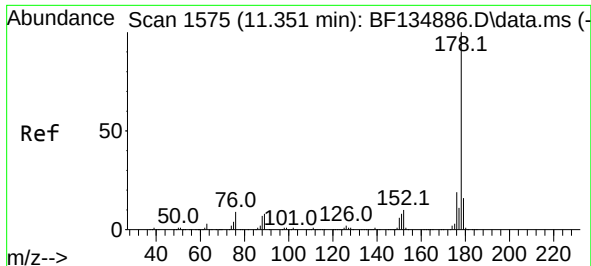


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF134945.D
Acq: 25 Aug 2023 17:29



Tgt Ion:188 Resp: 313179
Ion Ratio Lower Upper
188 100
94 9.5 7.5 11.3
80 9.5 7.8 11.6





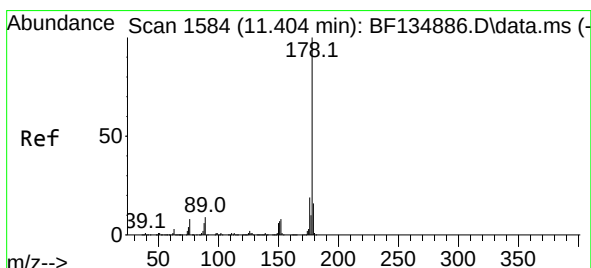
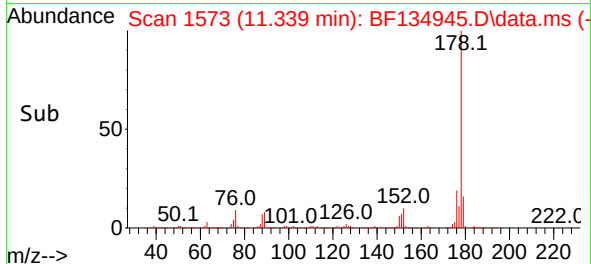
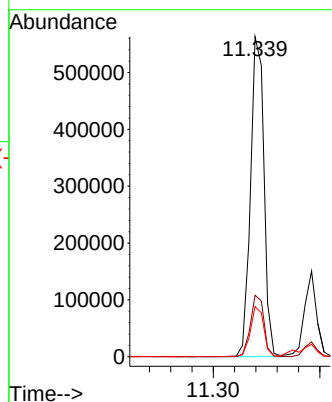
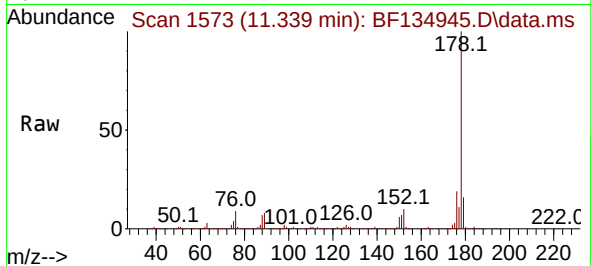
#71
Phenanthrene
Concen: 30.138 ng
RT: 11.339 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF134945.D
Acq: 25 Aug 2023 17:29

Instrument :
BNA_F
ClientSampleId :
TP-22(3-4)

Tgt Ion:178 Resp: 494598
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.7 12.6 19.0

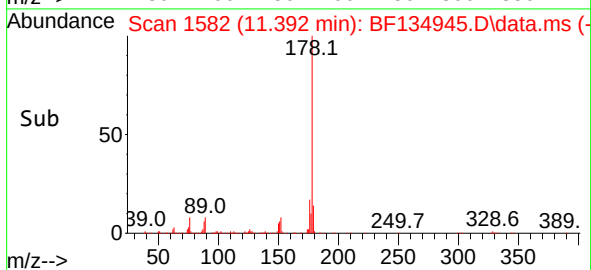
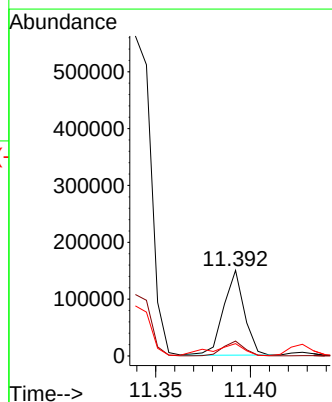
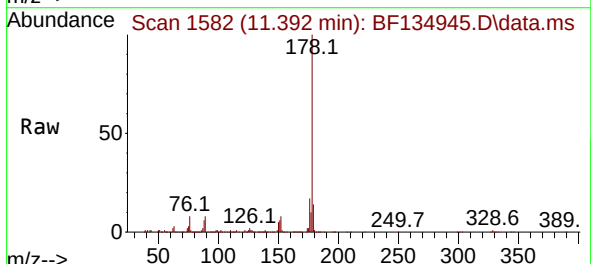
Manual Integrations
APPROVED

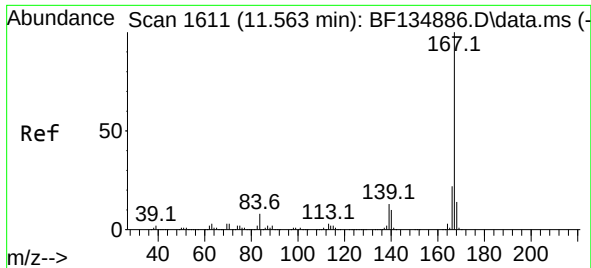
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#72
Anthracene
Concen: 6.785 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134945.D
Acq: 25 Aug 2023 17:29

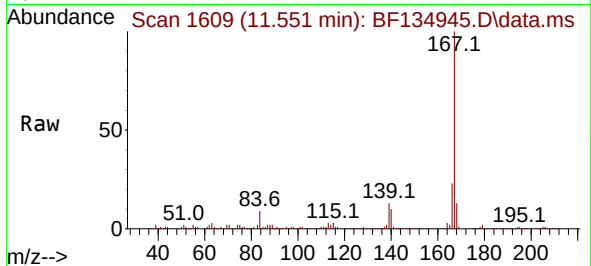
Tgt Ion:178 Resp: 114088
Ion Ratio Lower Upper
178 100
176 17.4 15.0 22.6
179 14.4 12.5 18.7





#73
 Carbazole
 Concen: 5.413 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.012 min
 Lab File: BF134945.D
 Acq: 25 Aug 2023 17:29

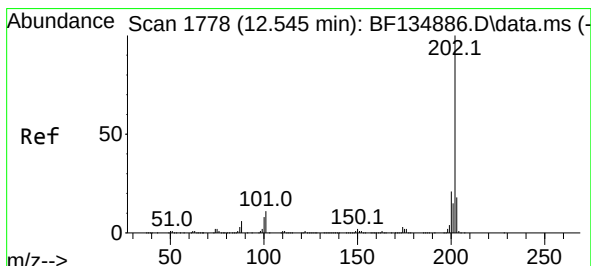
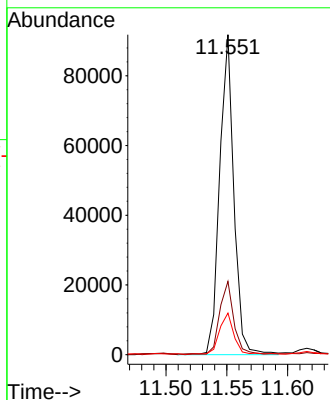
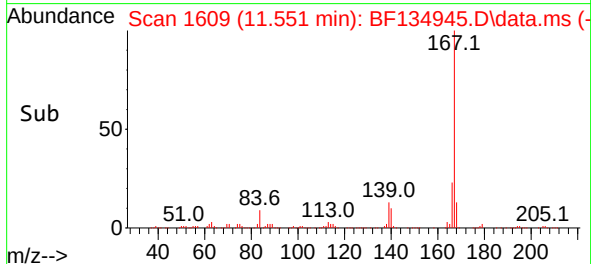
Instrument :
 BNA_F
 ClientSampleId :
 TP-22(3-4)



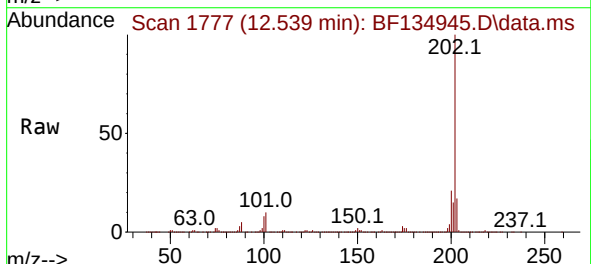
Tgt Ion:167 Resp: 75000
 Ion Ratio Lower Upper
 167 100
 166 22.9 17.4 26.2
 139 13.0 10.4 15.6

Manual Integrations
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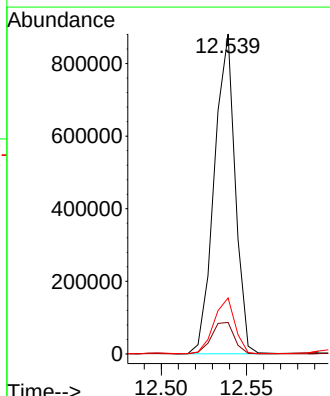
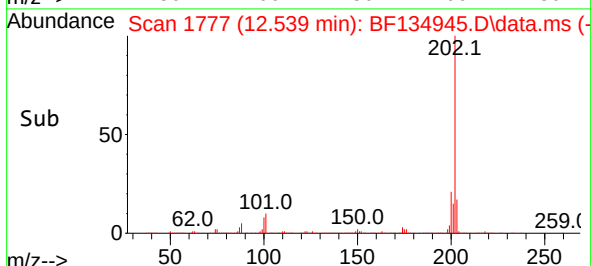
Reviewed By :Yogesh Patel 08/26/2023
 Supervised By :mohammad ahmed 08/26/2023

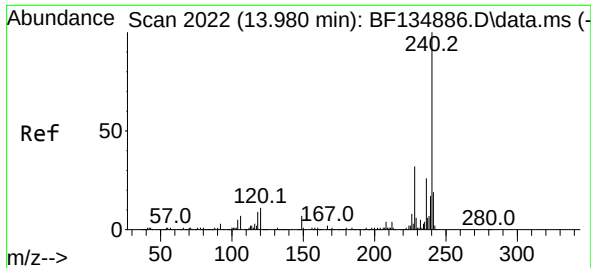


#75
 Fluoranthene
 Concen: 48.366 ng
 RT: 12.539 min Scan# 1777
 Delta R.T. -0.006 min
 Lab File: BF134945.D
 Acq: 25 Aug 2023 17:29



Tgt Ion:202 Resp: 752075
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 30.5
 203 17.5 0.0 37.8





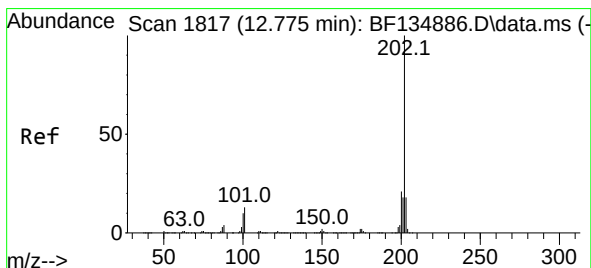
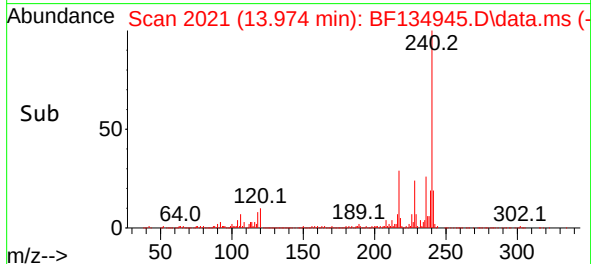
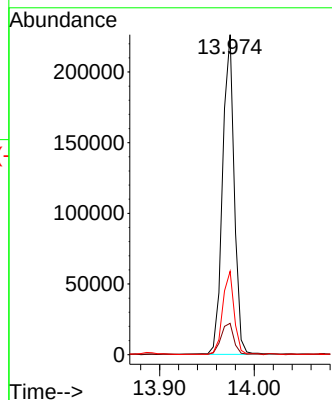
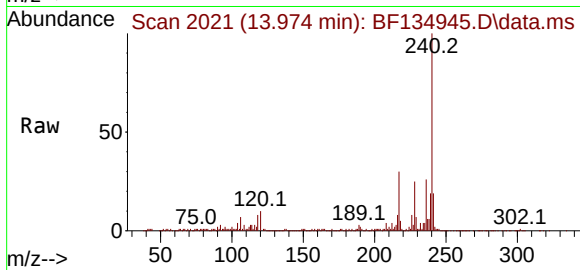
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF134945.D
Acq: 25 Aug 2023 17:29

Instrument :
BNA_F
ClientSampleId :
TP-22(3-4)

Tgt Ion:240 Resp: 19467
Ion Ratio Lower Upper
240 100
120 9.8 8.6 12.8
236 26.0 20.6 31.0

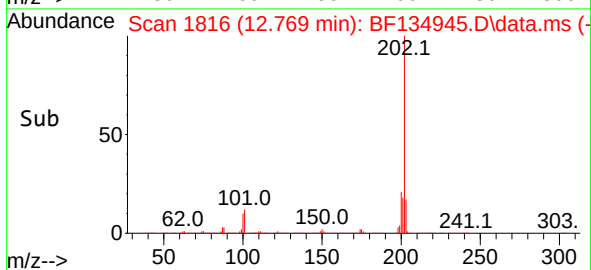
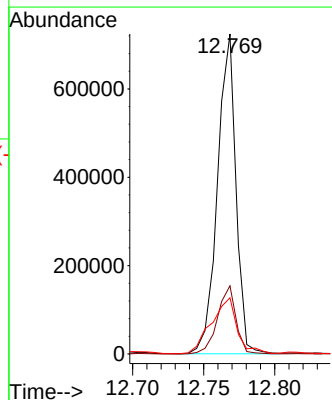
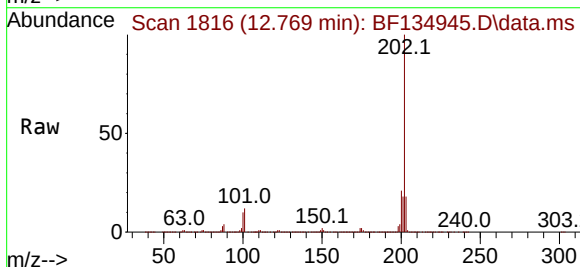
Manual Integrations
APPROVED

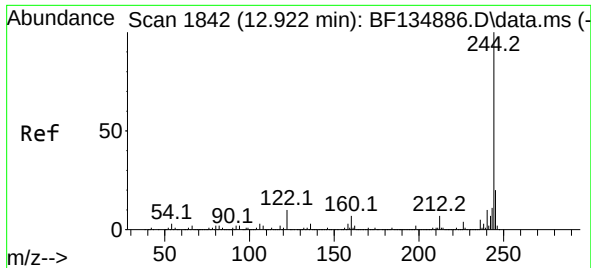
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#78
Pyrene
Concen: 31.663 ng
RT: 12.769 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF134945.D
Acq: 25 Aug 2023 17:29

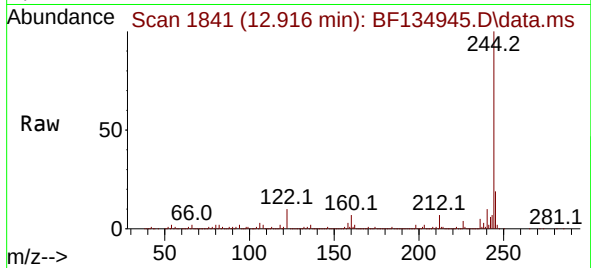
Tgt Ion:202 Resp: 653525
Ion Ratio Lower Upper
202 100
200 21.3 17.1 25.7
203 17.5 14.2 21.2





#79
 Terphenyl-d14
 Concen: 51.991 ng
 RT: 12.916 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134945.D
 Acq: 25 Aug 2023 17:29

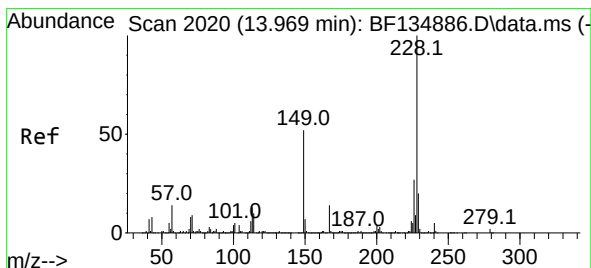
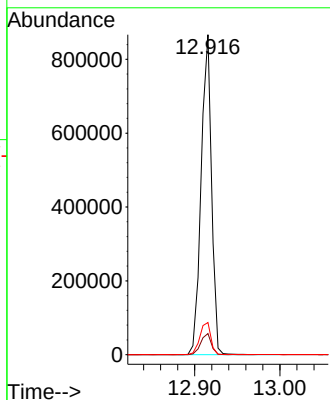
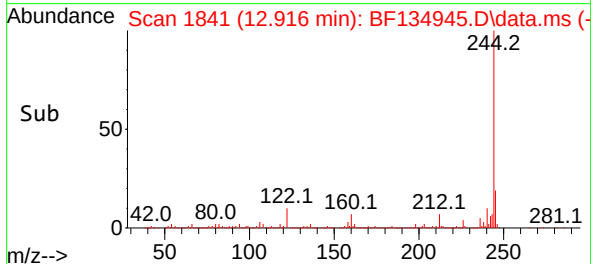
Instrument :
 BNA_F
 ClientSampleId :
 TP-22(3-4)



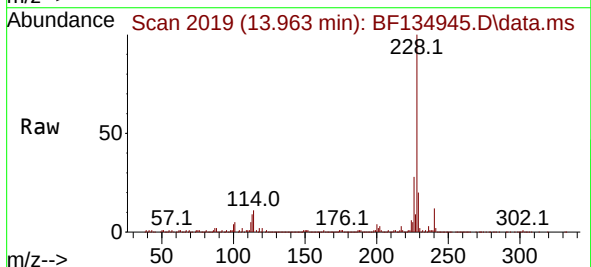
Tgt Ion:244 Resp: 735860
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.0 8.2 12.4

Manual Integrations
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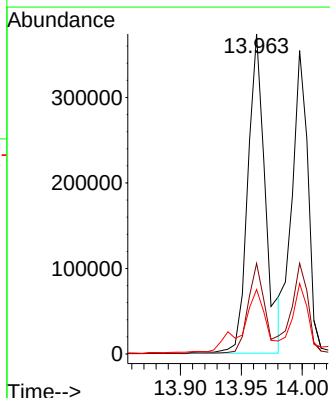
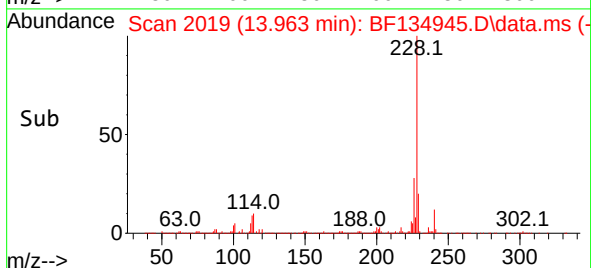
Reviewed By :Yogesh Patel 08/26/2023
 Supervised By :mohammad ahmed 08/26/2023

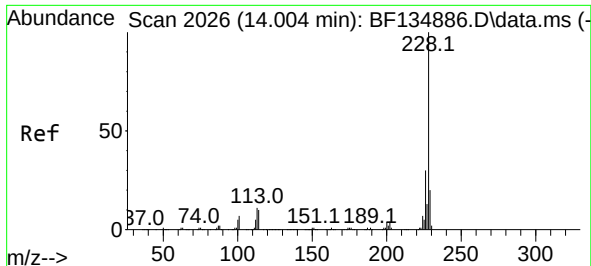


#81
 Benzo(a)anthracene
 Concen: 28.175 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: BF134945.D
 Acq: 25 Aug 2023 17:29



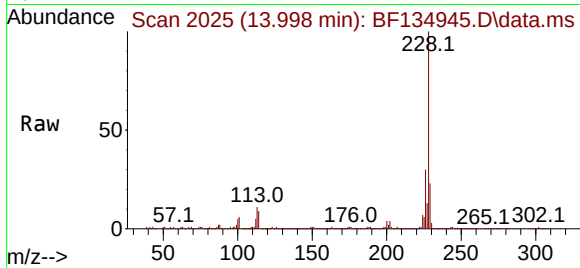
Tgt Ion:228 Resp: 374220
 Ion Ratio Lower Upper
 228 100
 226 28.3 21.8 32.6
 229 20.1 15.6 23.4





#83
Chrysene
Concen: 24.936 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF134945.D
Acq: 25 Aug 2023 17:29

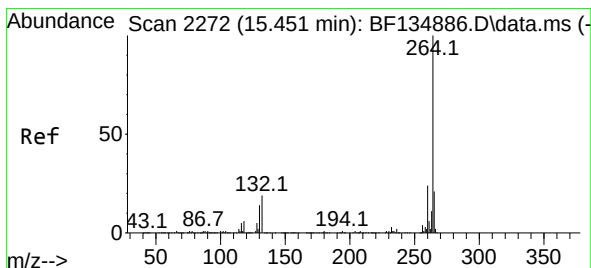
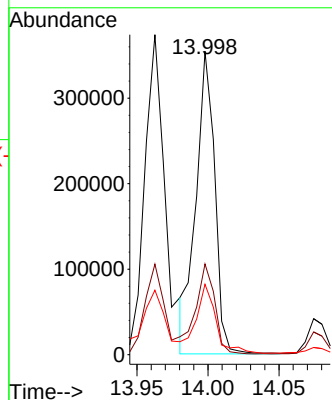
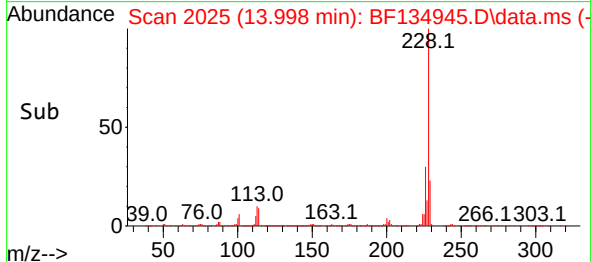
Instrument :
BNA_F
ClientSampleId :
TP-22(3-4)



Tgt Ion:228 Resp: 326777
Ion Ratio Lower Upper
228 100
226 29.9 24.2 36.2
229 23.2 16.0 24.0

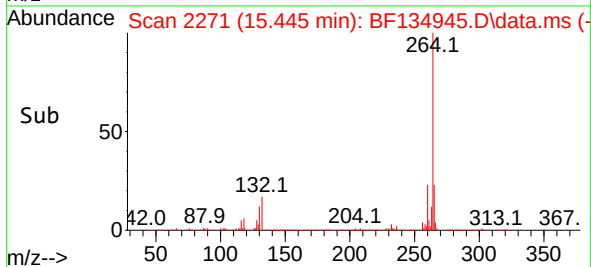
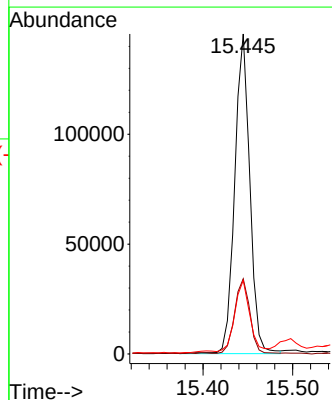
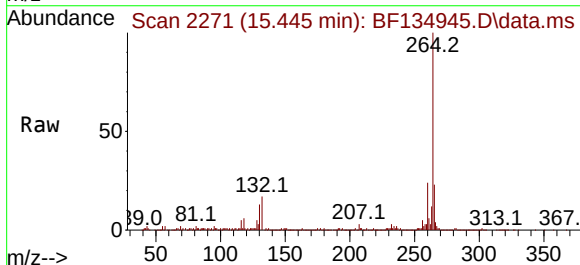
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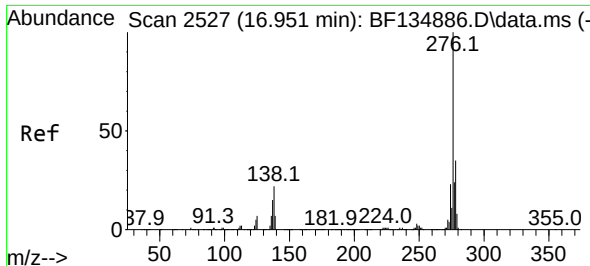
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2271
Delta R.T. -0.006 min
Lab File: BF134945.D
Acq: 25 Aug 2023 17:29

Tgt Ion:264 Resp: 169640
Ion Ratio Lower Upper
264 100
260 23.5 19.0 28.6
265 23.0 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 11.665 ng
RT: 16.927 min Scan# 2198
Delta R.T. -0.024 min
Lab File: BF134945.D
Acq: 25 Aug 2023 17:29

Instrument :

BNA_F

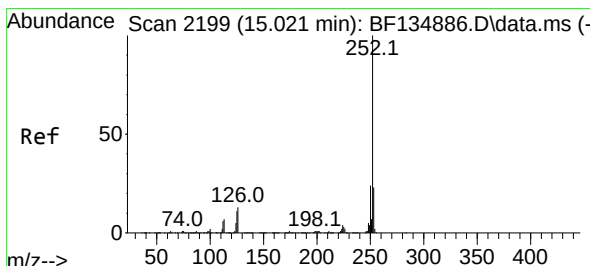
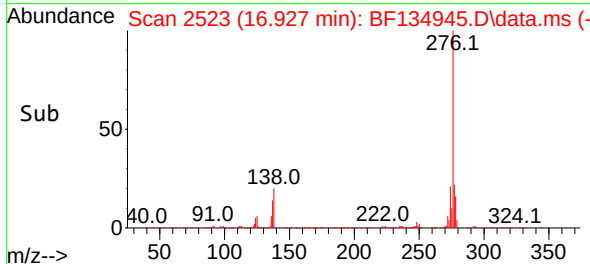
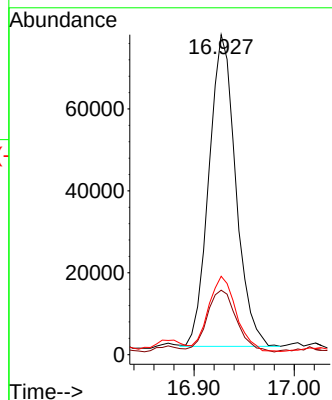
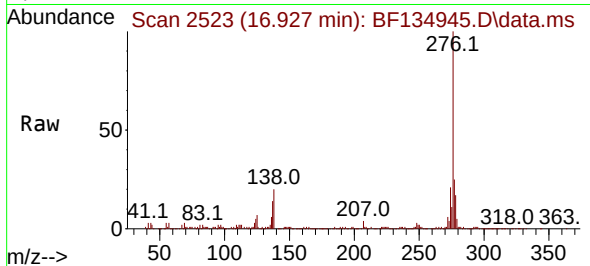
ClientSampleId :

TP-22(3-4)

Tgt Ion:276 Resp: 14144
Ion Ratio Lower Upper
276 100
138 22.5 19.7 29.5
277 25.3 20.1 30.1

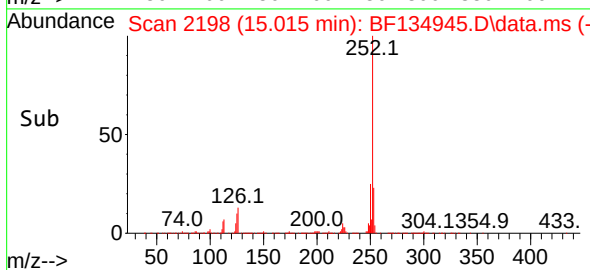
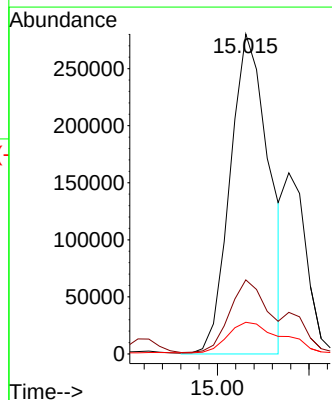
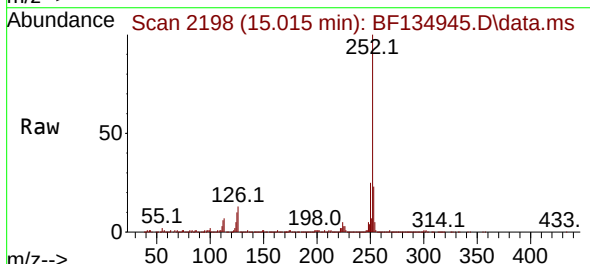
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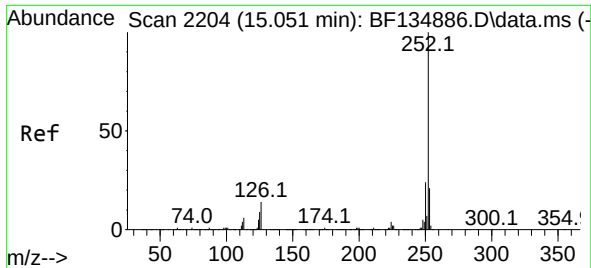
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#88
Benzo(b)fluoranthene
Concen: 43.146 ng m
RT: 15.015 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF134945.D
Acq: 25 Aug 2023 17:29

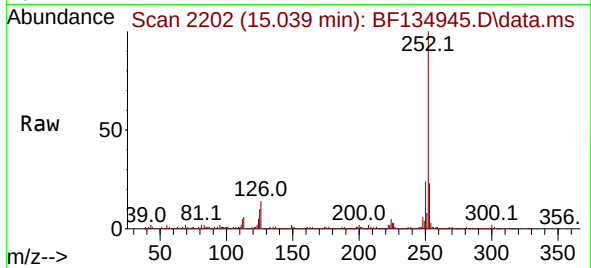
Tgt Ion:252 Resp: 412948
Ion Ratio Lower Upper
252 100
253 23.2 18.1 27.1
125 9.9 8.4 12.6





#89
Benzo(k)fluoranthene
Concen: 14.352 ng m
RT: 15.039 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134945.D
Acq: 25 Aug 2023 17:29

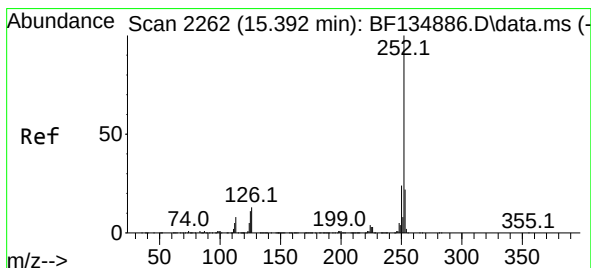
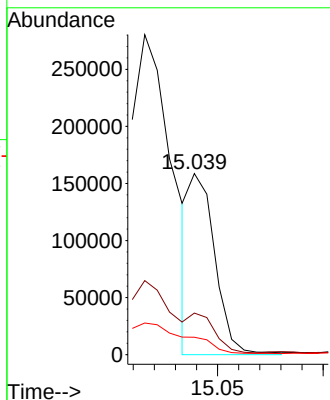
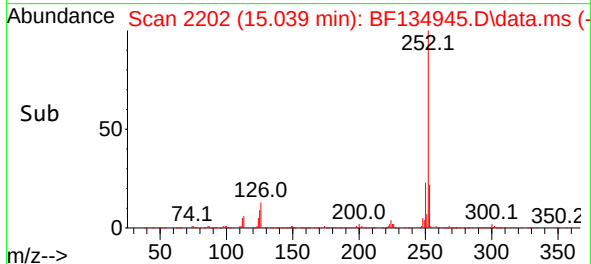
Instrument :
BNA_F
ClientSampleId :
TP-22(3-4)



Tgt Ion:252 Resp: 134886
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 9.7 8.0 12.0

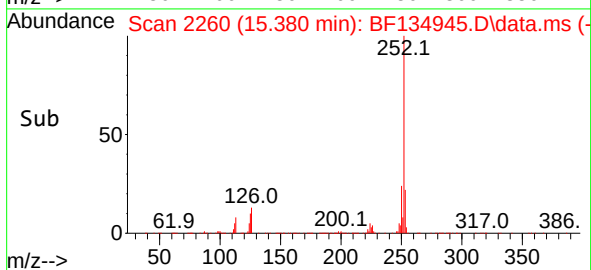
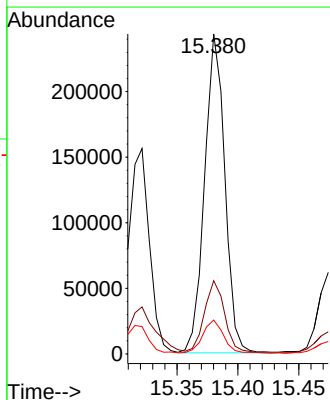
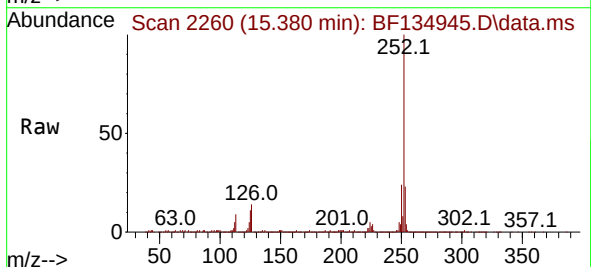
Manual Integrations
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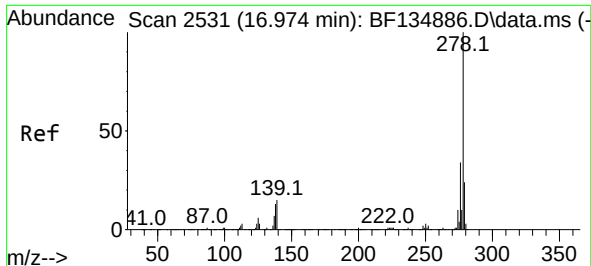
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#90
Benzo(a)pyrene
Concen: 29.364 ng
RT: 15.380 min Scan# 2260
Delta R.T. -0.012 min
Lab File: BF134945.D
Acq: 25 Aug 2023 17:29

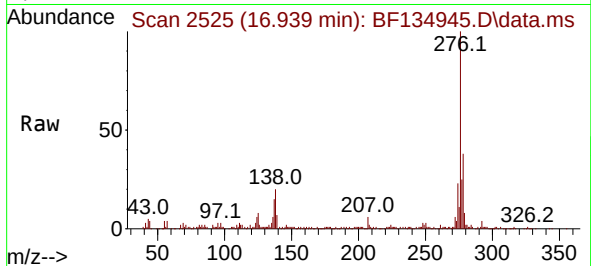
Tgt Ion:252 Resp: 280564
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 10.6 8.4 12.6





#91
Dibenzo(a,h)anthracene
Concen: 4.222 ng
RT: 16.939 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF134945.D
Acq: 25 Aug 2023 17:29

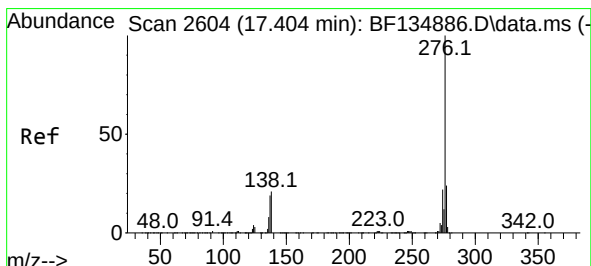
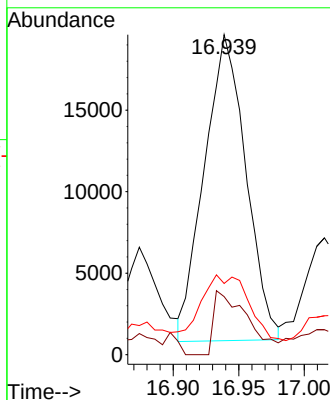
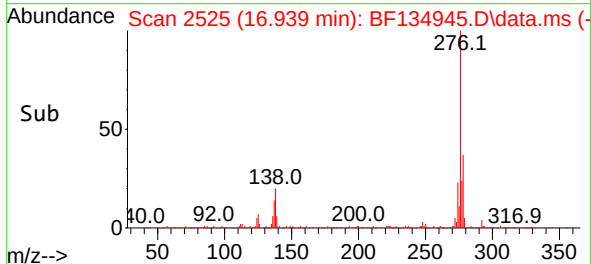
Instrument :
BNA_F
ClientSampleId :
TP-22(3-4)



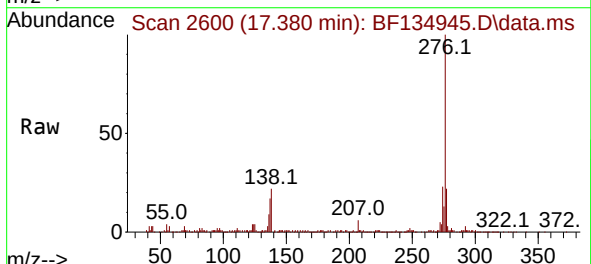
Tgt Ion:278 Resp: 4142
Ion Ratio Lower Upper
278 100
139 18.1 12.2 18.4
279 22.2 19.1 28.7

Manual Integrations
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Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#92
Benzo(g,h,i)perylene
Concen: 14.038 ng
RT: 17.380 min Scan# 2600
Delta R.T. -0.024 min
Lab File: BF134945.D
Acq: 25 Aug 2023 17:29



Tgt Ion:276 Resp: 140995
Ion Ratio Lower Upper
276 100
277 22.1 19.2 28.8
138 21.7 17.0 25.6

