

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081123\
 Data File : BF134722.D
 Acq On : 11 Aug 2023 09:20
 Operator : CG\JU
 Sample : 03952-01 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-1-080923

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/12/2023
 Supervised By :mohammad ahmed 08/12/2023

Quant Time: Aug 11 22:18:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	188441	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	684375	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	325399	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	515306	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	372357	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	322157	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	175273	14.139	ng	0.00
7) Phenol-d6	6.428	99	204887	12.929	ng	-0.01
23) Nitrobenzene-d5	7.351	82	124790	11.395	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	45929	13.846	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	260343	13.303	ng	-0.01
79) Terphenyl-d14	12.910	244	246430	11.667	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.345	178	213389	7.796	ng	98
72) Anthracene	11.398	178	66369	2.374	ng	99
75) Fluoranthene	12.539	202	430672	14.896	ng	98
78) Pyrene	12.769	202	395333	12.270	ng	99
81) Benzo(a)anthracene	13.957	228	209584	7.872	ng	98
83) Chrysene	13.998	228	178824	6.894	ng	98
87) Indeno(1,2,3-cd)pyrene	16.927	276	65028	3.432	ng	# 93
88) Benzo(b)fluoranthene	15.010	252	198648m	10.110	ng	
89) Benzo(k)fluoranthene	15.033	252	68408m	3.495	ng	
90) Benzo(a)pyrene	15.374	252	137491	7.505	ng	# 94
92) Benzo(g,h,i)perylene	17.374	276	59841	3.831	ng	# 89

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

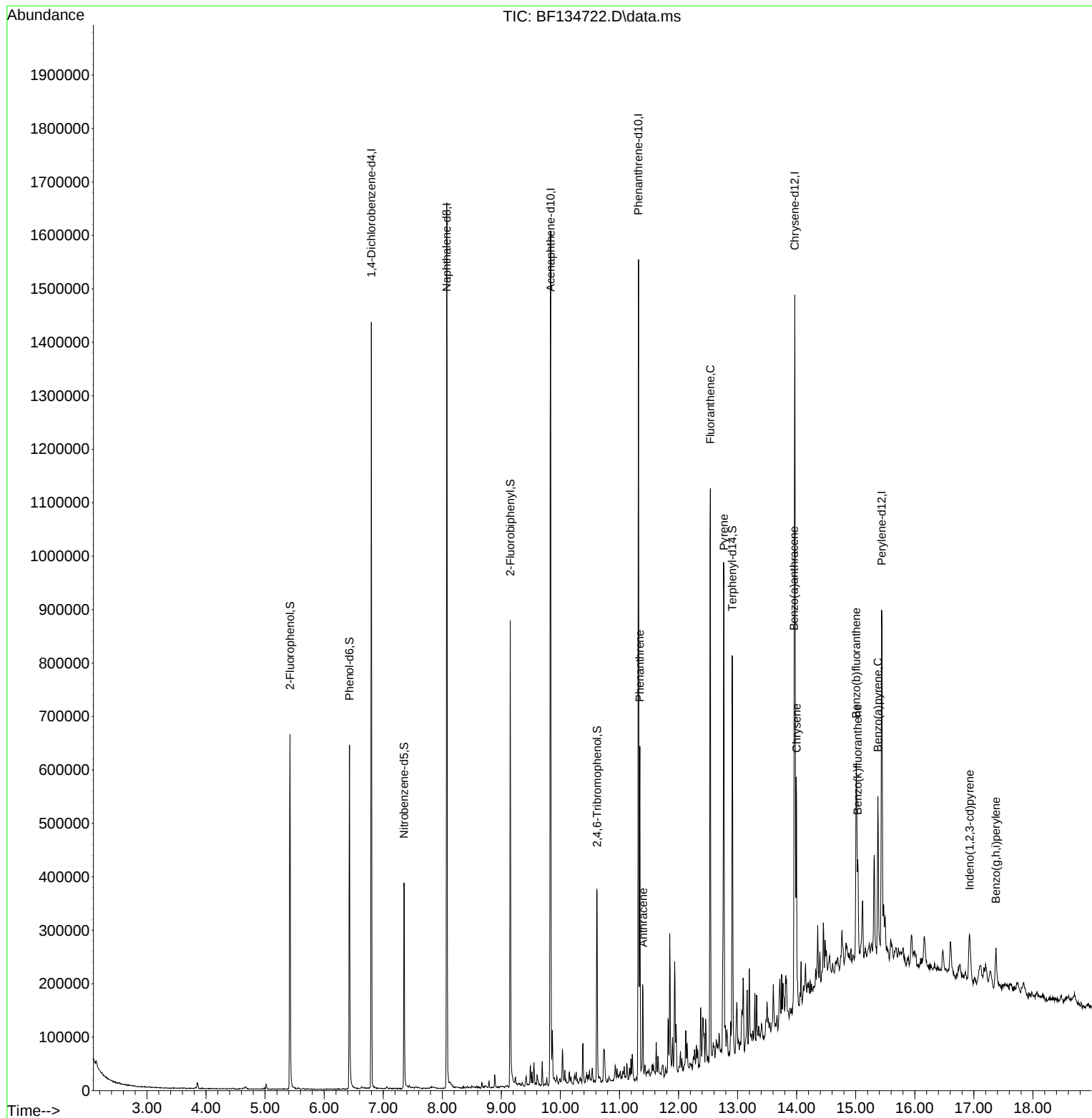
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081123\
Data File : BF134722.D
Acq On : 11 Aug 2023 09:20
Operator : CG\JU
Sample : 03952-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

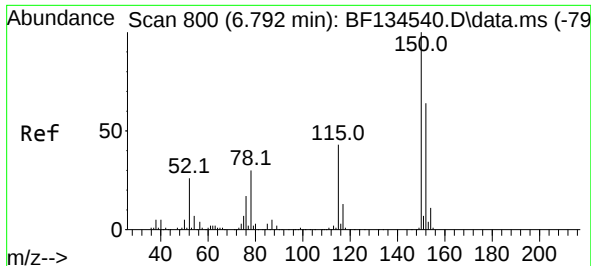
Instrument :
BNA_F
ClientSampleId :
OK-1-080923

Quant Time: Aug 11 22:18:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 09:29:15 2023
Response via : Initial Calibration

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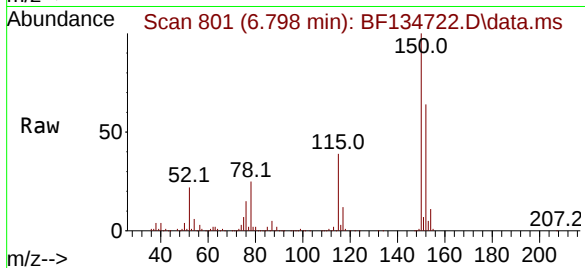
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134722.D
Acq: 11 Aug 2023 09:20

Instrument :

BNA_F

ClientSampleId :

OK-1-080923



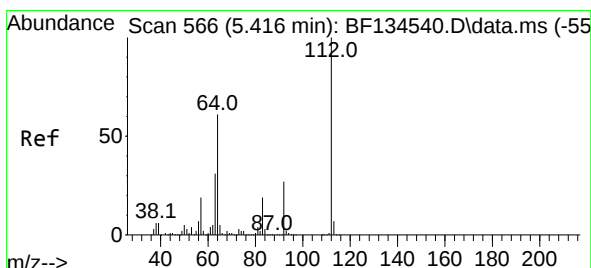
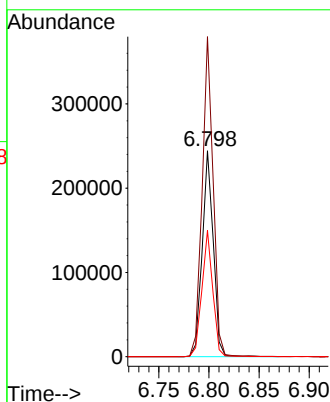
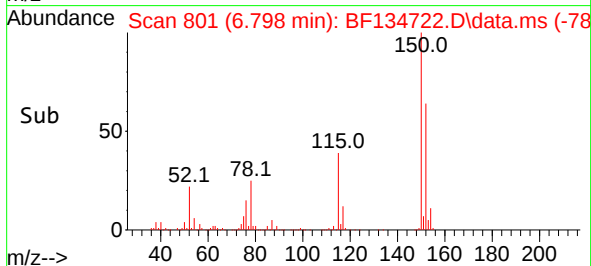
Tgt Ion:152 Resp: 18844
Ion Ratio Lower Upper
152 100
150 155.4 128.3 192.5
115 61.3 52.4 78.6

Manual Integrations

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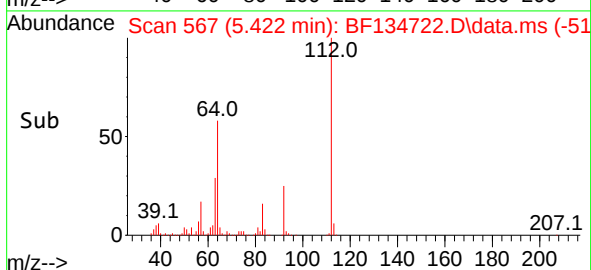
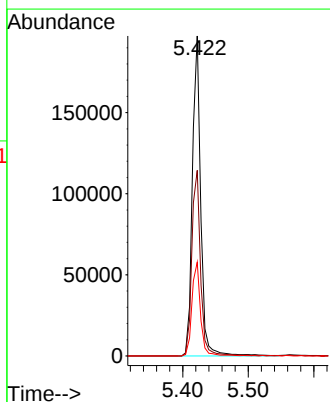
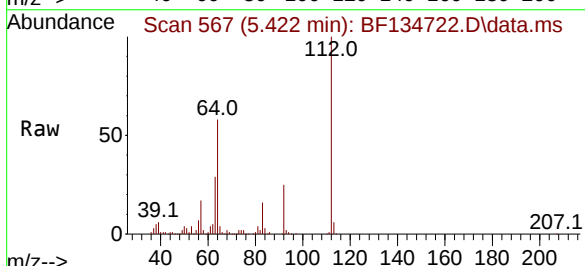
Reviewed By :Yogesh Patel 08/12/2023

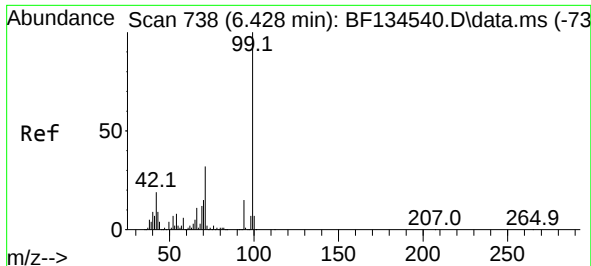
Supervised By :mohammad ahmed 08/12/2023



#5
2-Fluorophenol
Concen: 14.139 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134722.D
Acq: 11 Aug 2023 09:20

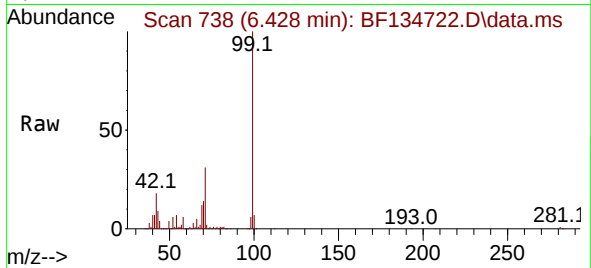
Tgt Ion:112 Resp: 175273
Ion Ratio Lower Upper
112 100
64 58.0 44.9 67.3
63 29.3 25.4 38.0





#7
Phenol-d6
Concen: 12.929 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF134722.D
Acq: 11 Aug 2023 09:20

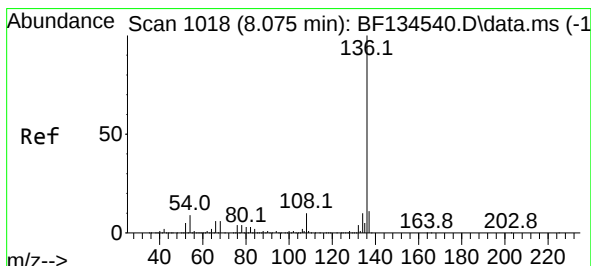
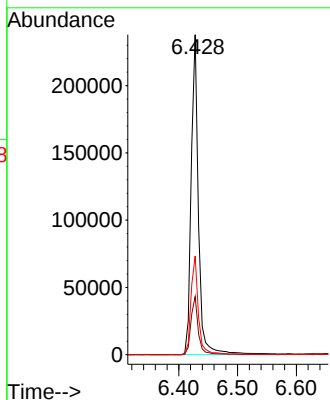
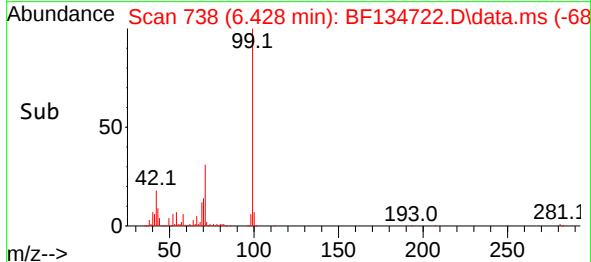
Instrument :
BNA_F
ClientSampleId :
OK-1-080923



Tgt Ion: 99 Resp: 20488
Ion Ratio Lower Upper
99 100
42 18.1 18.7 28.1
71 30.8 36.4 54.6

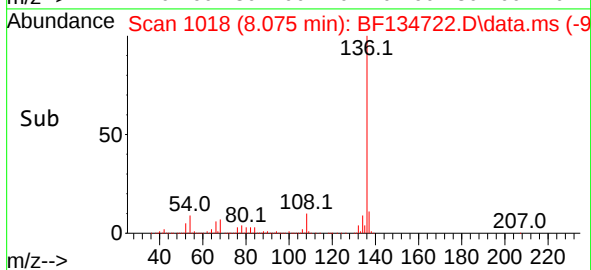
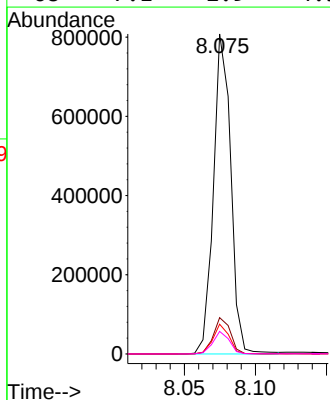
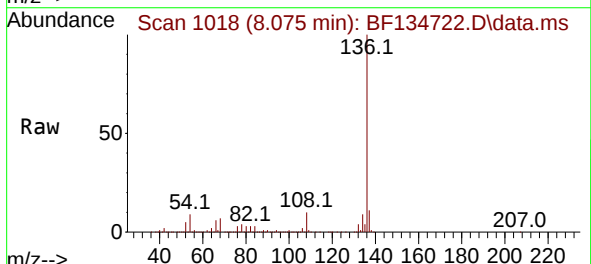
Manual Integrations
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Reviewed By :Yogesh Patel 08/12/2023
Supervised By :mohammad ahmed 08/12/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134722.D
Acq: 11 Aug 2023 09:20

Tgt Ion:136 Resp: 684375
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 9.3 5.2 7.8#
68 7.1 2.9 4.3#





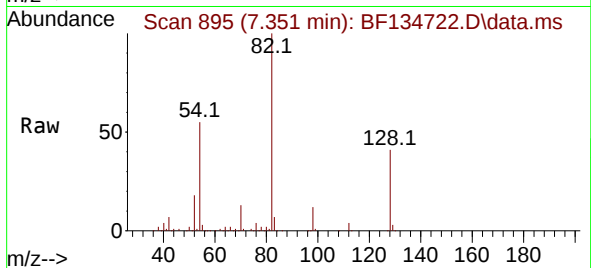
#23
Nitrobenzene-d5
Concen: 11.395 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF134722.D
Acq: 11 Aug 2023 09:20

Instrument :

BNA_F

ClientSampleId :

OK-1-080923

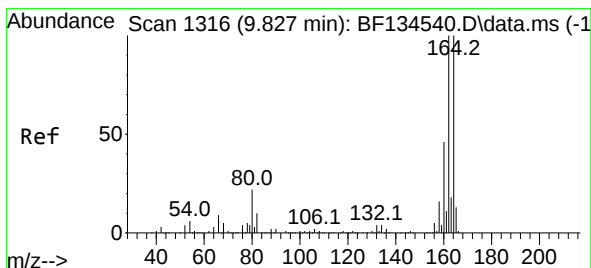
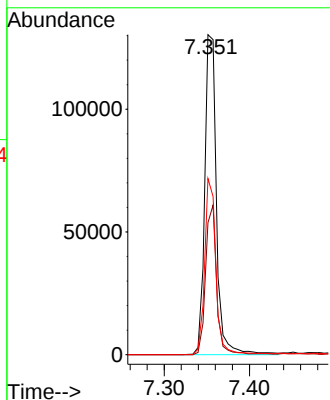
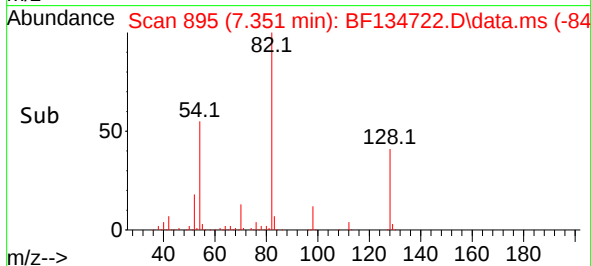


Tgt Ion: 82 Resp: 124790
Ion Ratio Lower Upper
82 100
128 41.3 34.3 51.5
54 55.1 43.8 65.6

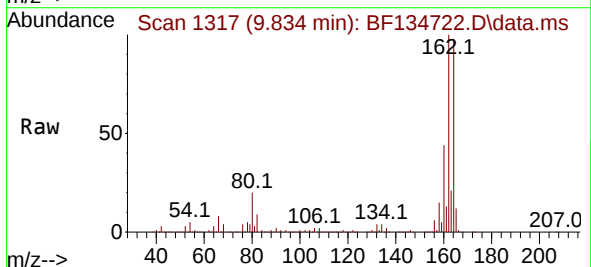
Manual Integrations

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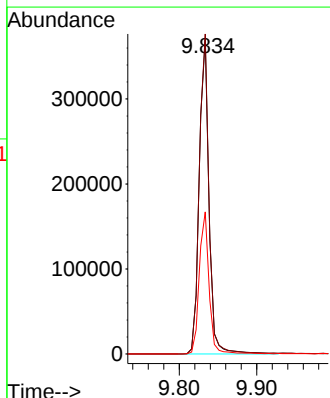
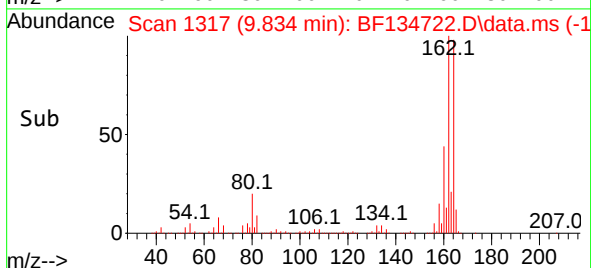
Reviewed By :Yogesh Patel 08/12/2023
Supervised By :mohammad ahmed 08/12/2023

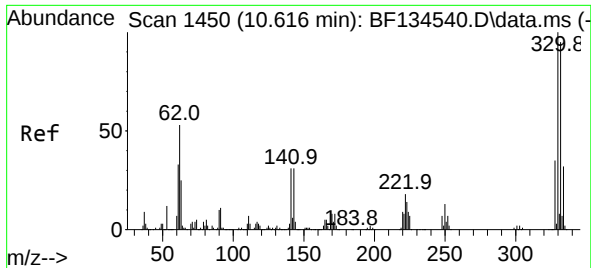


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BF134722.D
Acq: 11 Aug 2023 09:20



Tgt Ion:164 Resp: 325399
Ion Ratio Lower Upper
164 100
162 101.8 82.6 123.8
160 45.2 37.2 55.8





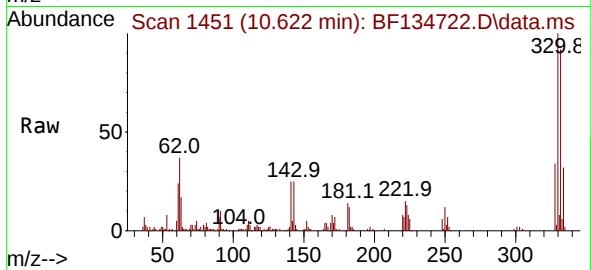
#42
2,4,6-Tribromophenol
Concen: 13.846 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF134722.D
Acq: 11 Aug 2023 09:20

Instrument :

BNA_F

ClientSampleId :

OK-1-080923



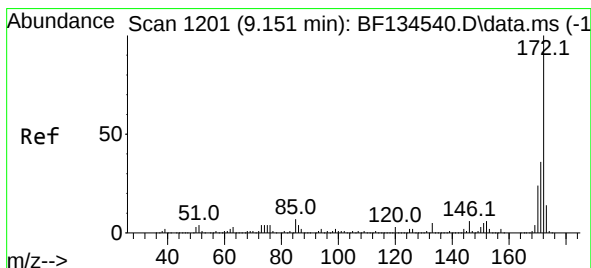
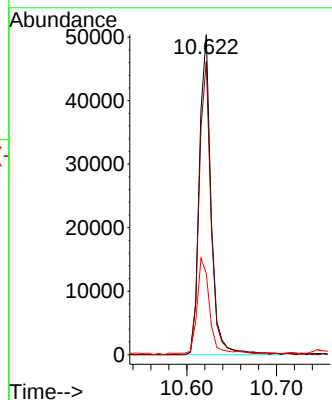
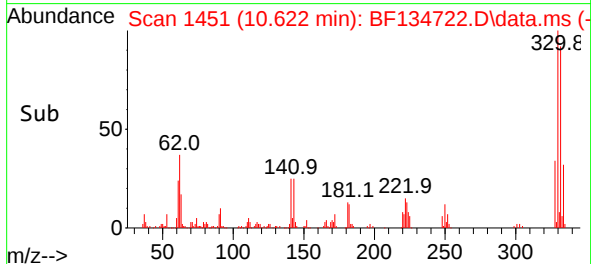
Tgt Ion: 330 Resp: 45929
Ion Ratio Lower Upper
330 100
332 93.4 78.8 118.2
141 33.9 25.4 38.2

Manual Integrations

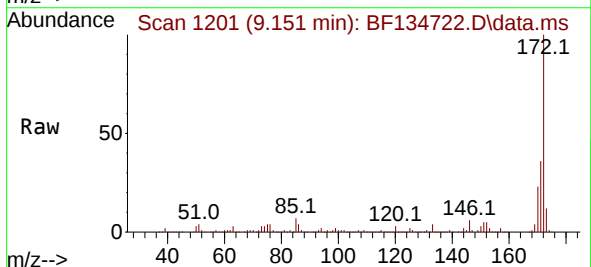
APPROVED

Reviewed By : Yogesh Patel 08/12/2023

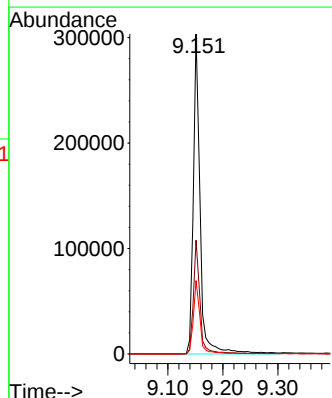
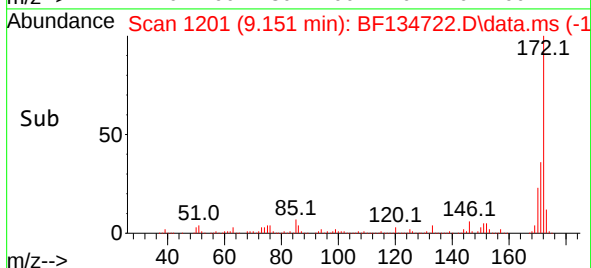
Supervised By : mohammad ahmed 08/12/2023



#45
2-Fluorobiphenyl
Concen: 13.303 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134722.D
Acq: 11 Aug 2023 09:20



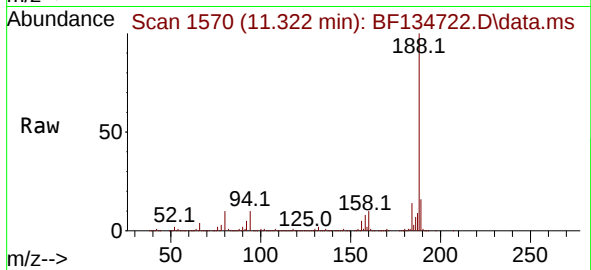
Tgt Ion: 172 Resp: 260343
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 22.9 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134722.D
Acq: 11 Aug 2023 09:20

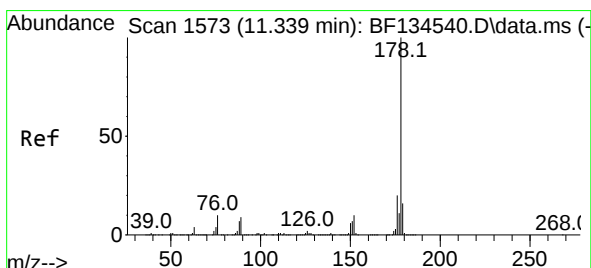
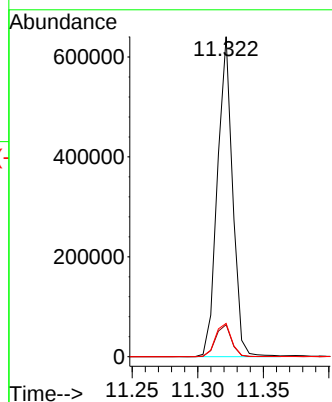
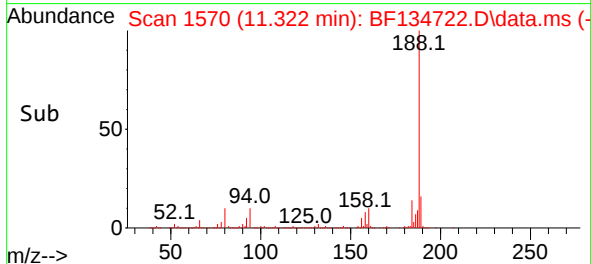
Instrument :
BNA_F
ClientSampleId :
OK-1-080923



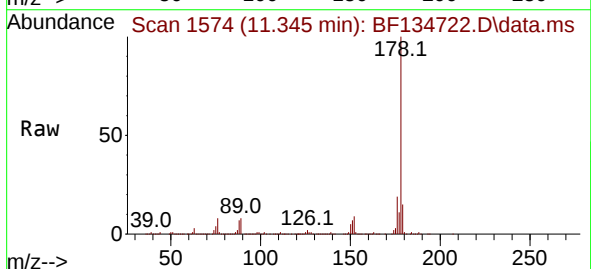
Tgt Ion:188 Resp: 515300
Ion Ratio Lower Upper
188 100
94 10.0 5.1 7.7
80 10.4 6.6 9.8

Manual Integrations
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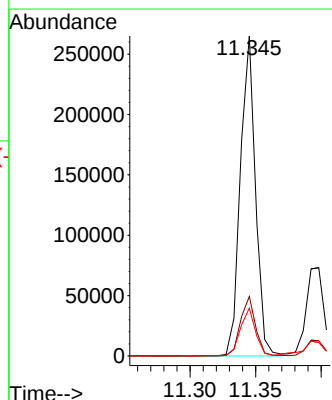
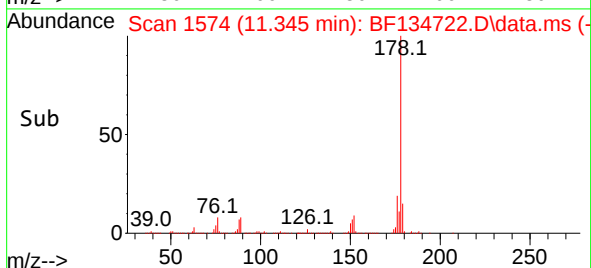
Reviewed By :Yogesh Patel 08/12/2023
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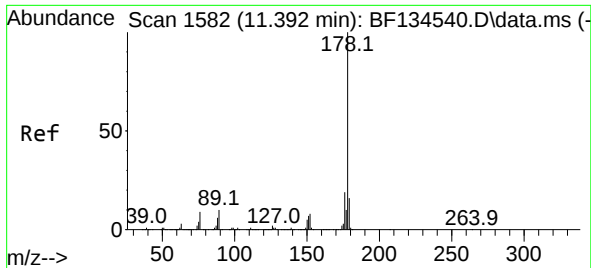


#71
Phenanthrene
Concen: 7.796 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134722.D
Acq: 11 Aug 2023 09:20



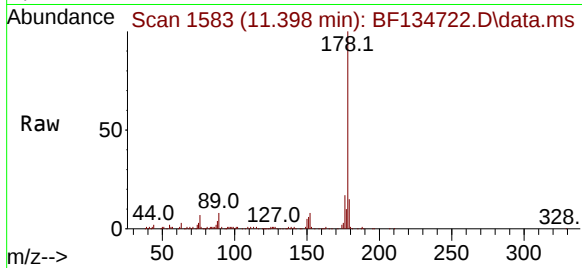
Tgt Ion:178 Resp: 213389
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.6
179 15.0 12.7 19.1





#72
 Anthracene
 Concen: 2.374 ng
 RT: 11.398 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134722.D
 Acq: 11 Aug 2023 09:20

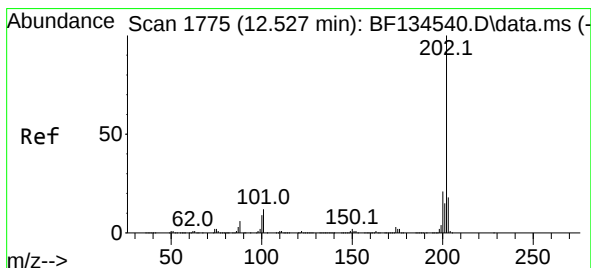
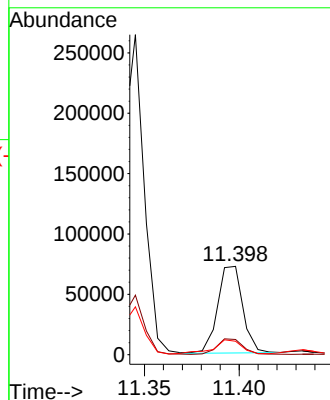
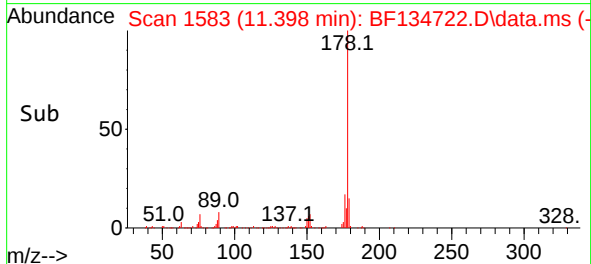
Instrument :
 BNA_F
 ClientSampleId :
 OK-1-080923



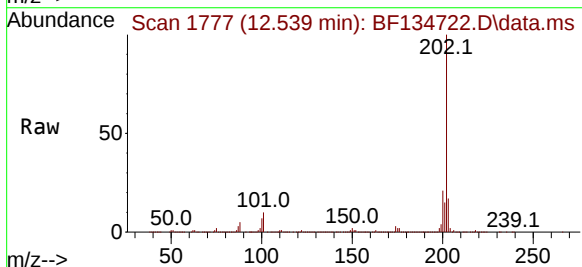
Tgt Ion:178 Resp: 66369
 Ion Ratio Lower Upper
 178 100
 176 17.2 14.6 21.8
 179 15.2 12.3 18.5

Manual Integrations
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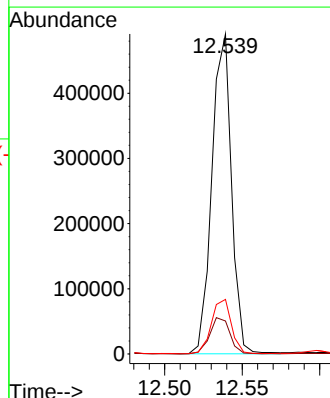
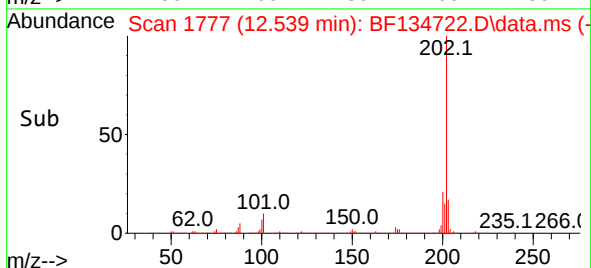
Reviewed By :Yogesh Patel 08/12/2023
 Supervised By :mohammad ahmed 08/12/2023

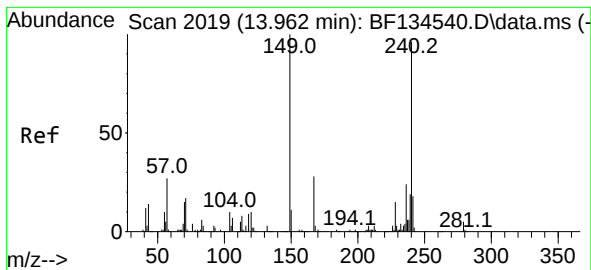


#75
 Fluoranthene
 Concen: 14.896 ng
 RT: 12.539 min Scan# 1777
 Delta R.T. 0.000 min
 Lab File: BF134722.D
 Acq: 11 Aug 2023 09:20



Tgt Ion:202 Resp: 430672
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 28.5
 203 17.1 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF134722.D

Acq: 11 Aug 2023 09:20

Instrument :

BNA_F

ClientSampleId :

OK-1-080923

Tgt Ion:240 Resp: 37235

Ion Ratio Lower Upper

240 100

120 12.0 6.6 10.0

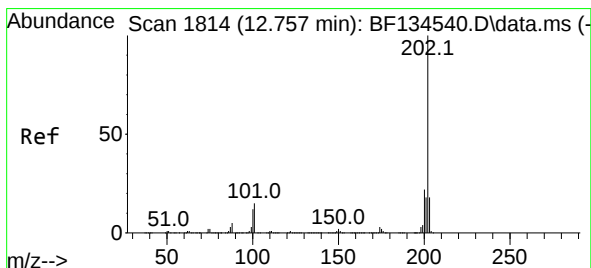
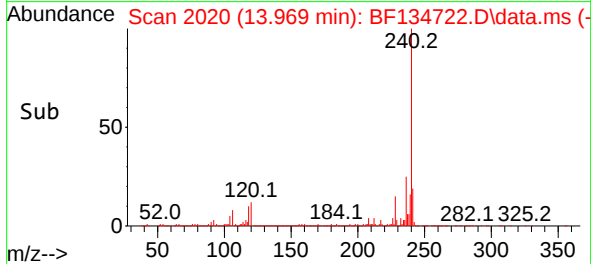
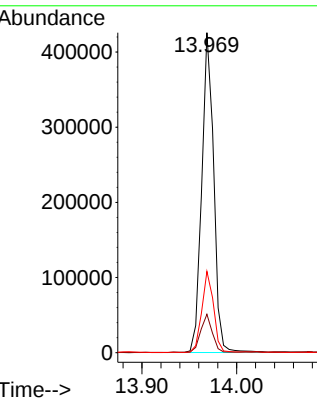
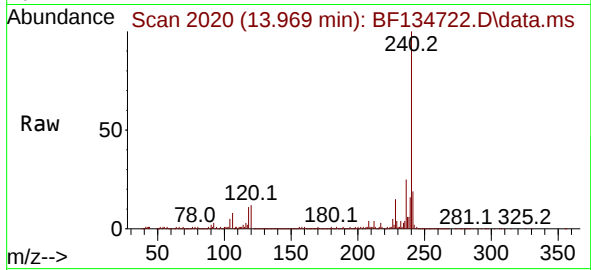
236 25.4 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/12/2023

Supervised By :mohammad ahmed 08/12/2023



#78

Pyrene

Concen: 12.270 ng

RT: 12.769 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BF134722.D

Acq: 11 Aug 2023 09:20

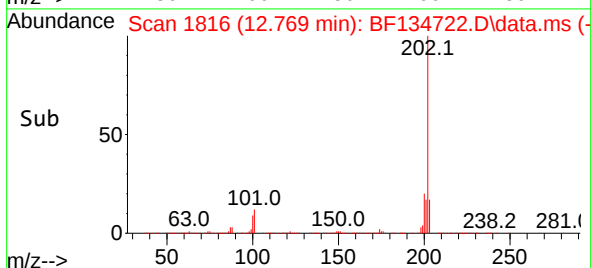
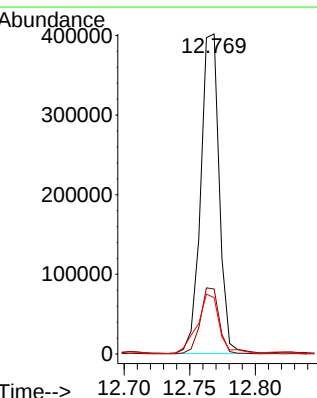
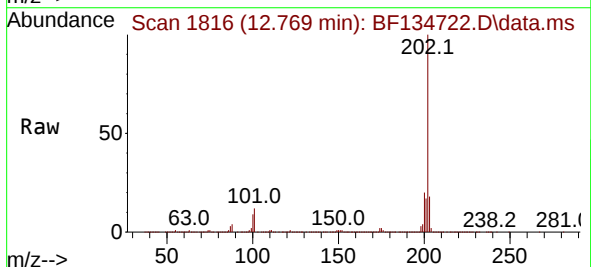
Tgt Ion:202 Resp: 395333

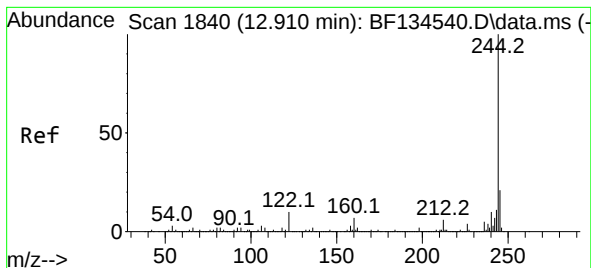
Ion Ratio Lower Upper

202 100

200 20.3 15.8 23.8

203 17.6 13.5 20.3





#79

Terphenyl-d14

Concen: 11.667 ng

RT: 12.910 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134722.D

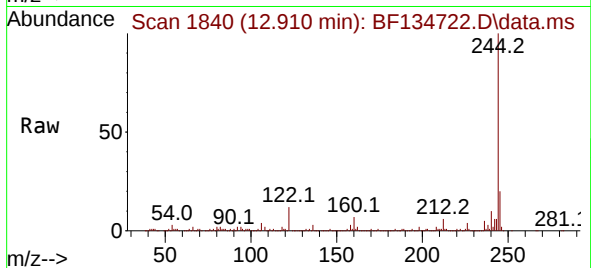
Acq: 11 Aug 2023 09:20

Instrument :

BNA_F

ClientSampleId :

OK-1-080923



Tgt Ion:244 Resp: 246430

Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

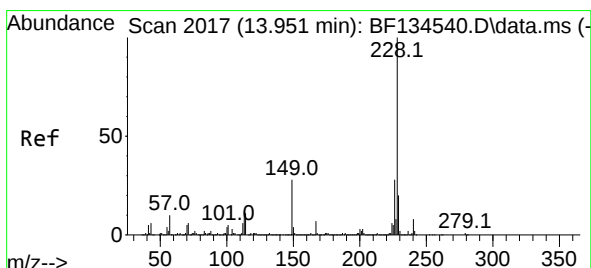
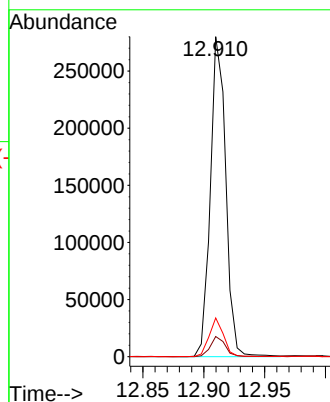
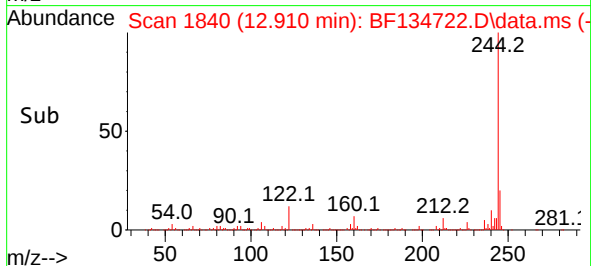
122 12.1 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/12/2023

Supervised By :mohammad ahmed 08/12/2023



#81

Benzo(a)anthracene

Concen: 7.872 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF134722.D

Acq: 11 Aug 2023 09:20

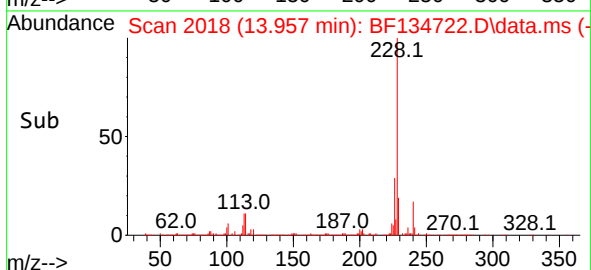
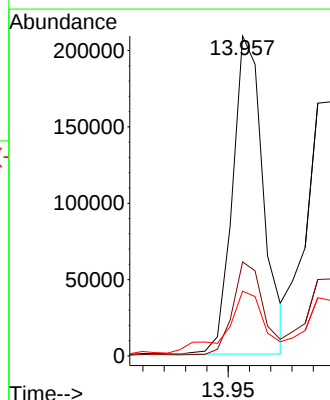
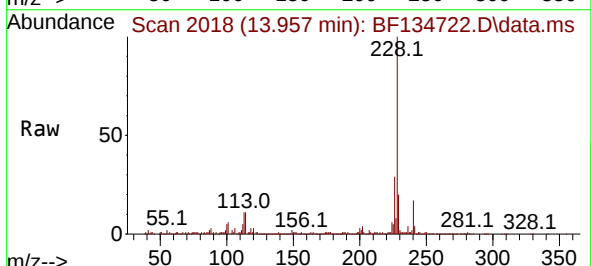
Tgt Ion:228 Resp: 209584

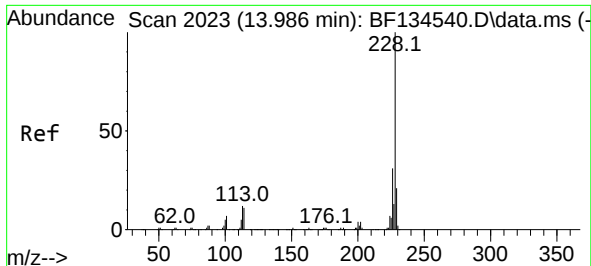
Ion Ratio Lower Upper

228 100

226 29.4 22.3 33.5

229 20.3 15.8 23.6





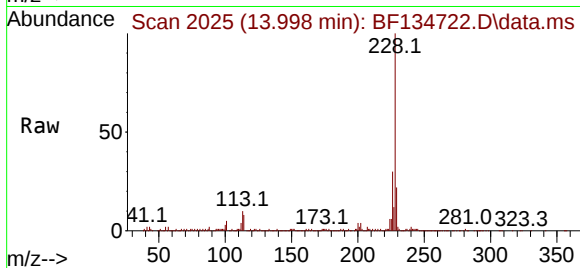
#83
Chrysene
Concen: 6.894 ng
RT: 13.998 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF134722.D
Acq: 11 Aug 2023 09:20

Instrument :

BNA_F

ClientSampleId :

OK-1-080923

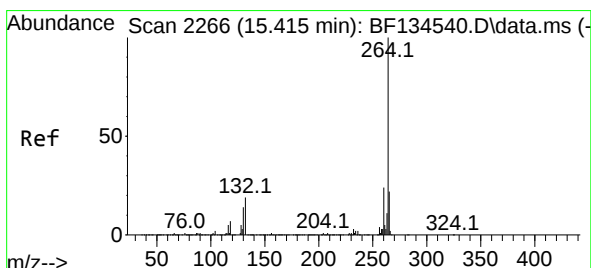
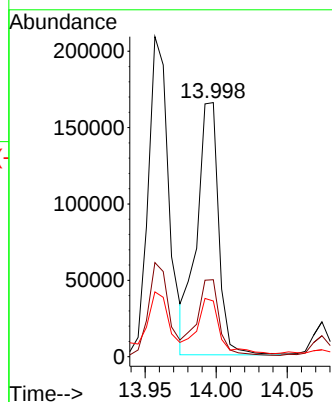
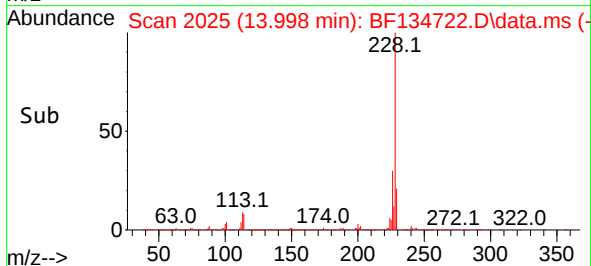


Tgt Ion:228 Resp: 178824
Ion Ratio Lower Upper
228 100
226 30.3 24.5 36.7
229 21.9 15.8 23.8

Manual Integrations

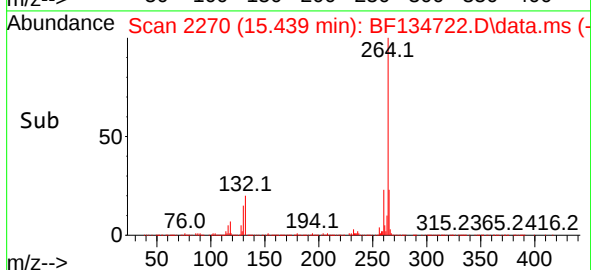
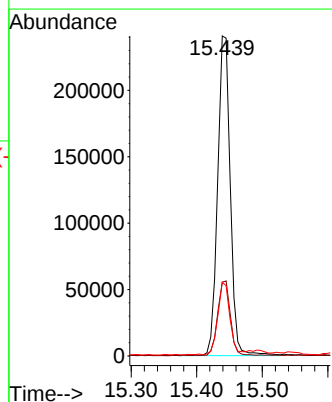
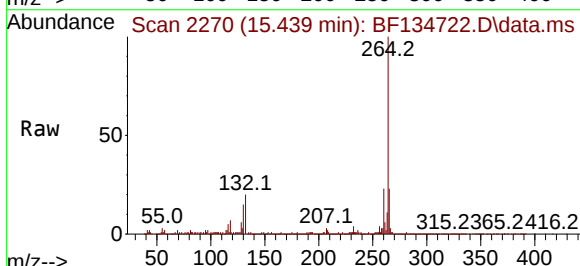
APPROVED

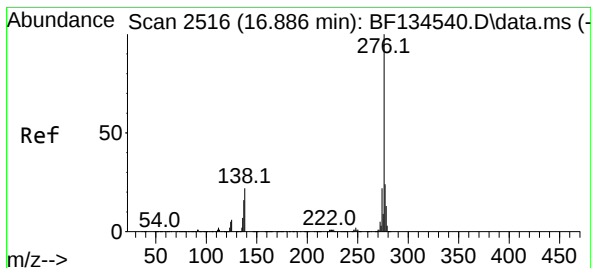
Reviewed By :Yogesh Patel 08/12/2023
Supervised By :mohammad ahmed 08/12/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF134722.D
Acq: 11 Aug 2023 09:20

Tgt Ion:264 Resp: 322157
Ion Ratio Lower Upper
264 100
260 23.1 18.4 27.6
265 23.1 15.8 23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.432 ng

RT: 16.927 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF134722.D

Acq: 11 Aug 2023 09:20

Instrument :

BNA_F

ClientSampleId :

OK-1-080923

Tgt Ion: 276 Resp: 65028

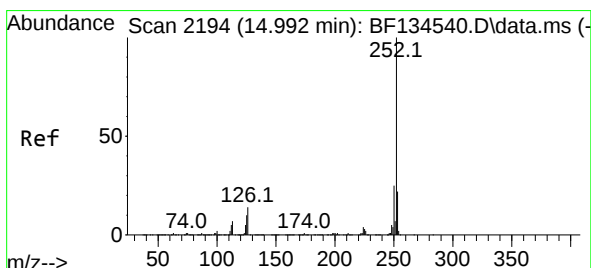
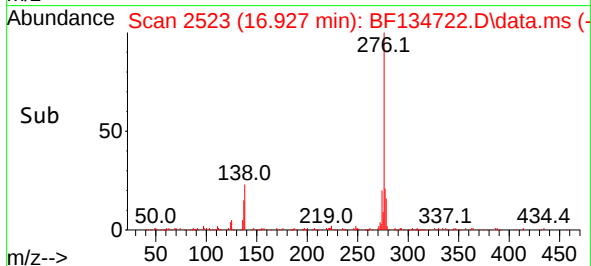
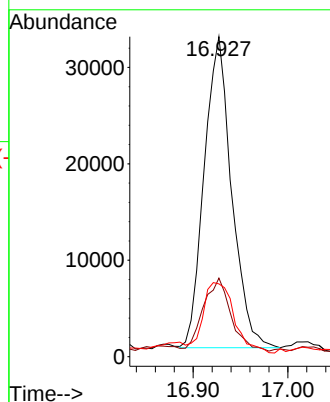
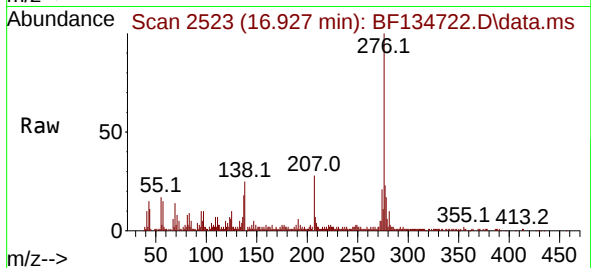
Ion	Ratio	Lower	Upper
276	100		
138	24.5	14.2	21.4
277	25.6	19.9	29.9

Manual Integrations

APPROVED

Reviewed By : Yogesh Patel 08/12/2023

Supervised By : mohammad ahmed 08/12/2023



#88

Benzo(b)fluoranthene

Concen: 10.110 ng m

RT: 15.010 min Scan# 2197

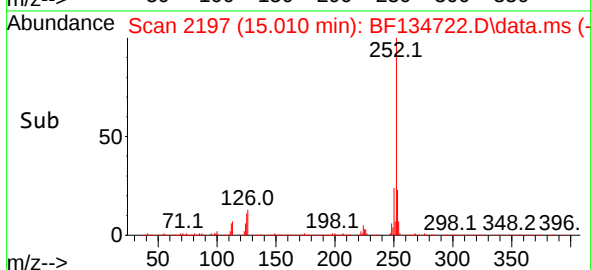
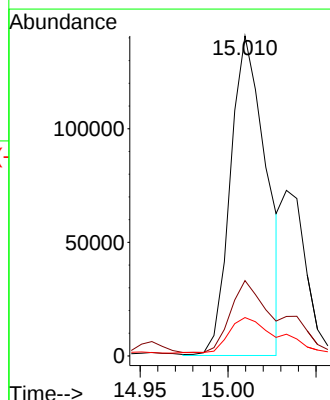
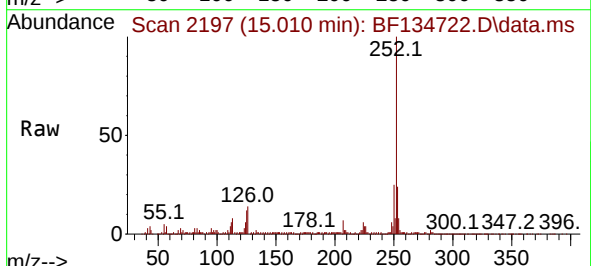
Delta R.T. 0.000 min

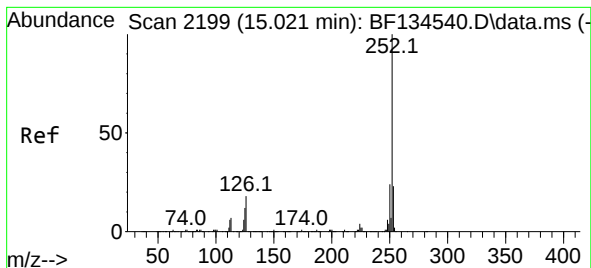
Lab File: BF134722.D

Acq: 11 Aug 2023 09:20

Tgt Ion: 252 Resp: 198648

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.3	25.9
125	12.0	6.0	9.0





#89

Benzo(k)fluoranthene

Concen: 3.495 ng m

RT: 15.033 min Scan# 2199

Delta R.T. -0.006 min

Lab File: BF134722.D

Acq: 11 Aug 2023 09:20

Instrument :

BNA_F

ClientSampleId :

OK-1-080923

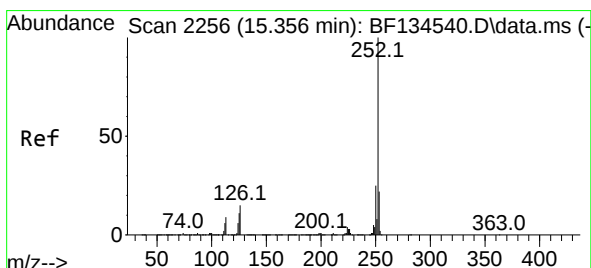
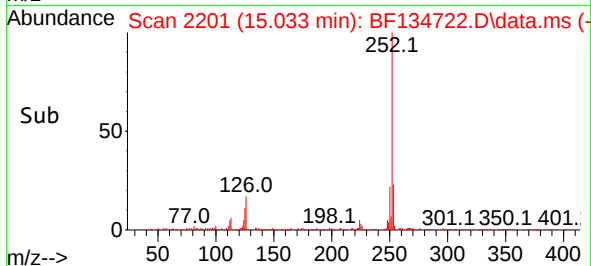
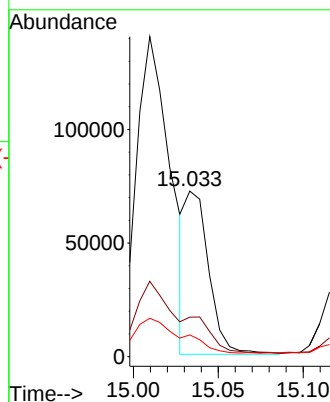
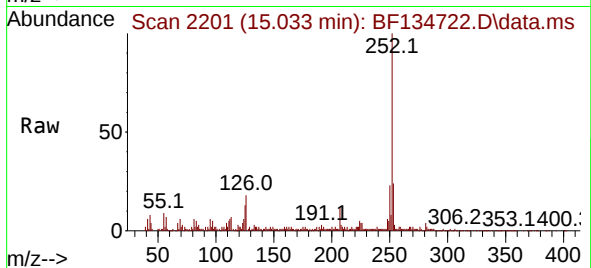
Tgt Ion:252 Resp: 68408
 Ion Ratio Lower Upper
 252 100
 253 23.9 17.9 26.9
 125 13.2 6.3 9.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/12/2023

Supervised By :mohammad ahmed 08/12/2023



#90

Benzo(a)pyrene

Concen: 7.505 ng

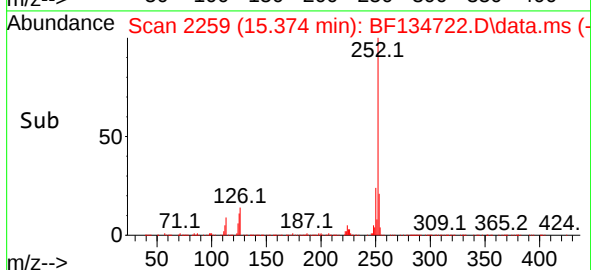
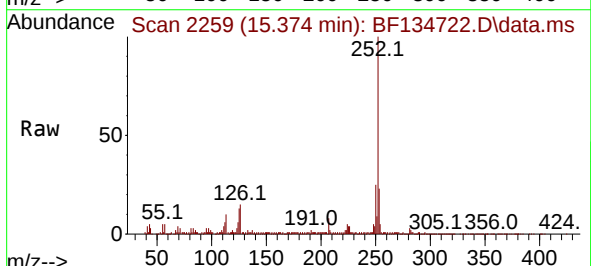
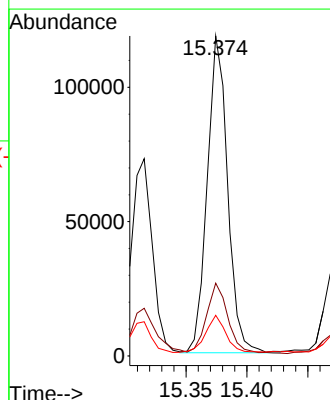
RT: 15.374 min Scan# 2259

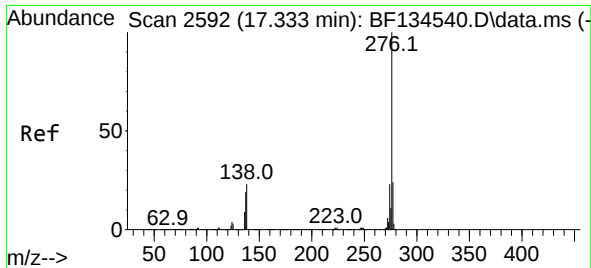
Delta R.T. -0.006 min

Lab File: BF134722.D

Acq: 11 Aug 2023 09:20

Tgt Ion:252 Resp: 137491
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.0 25.4
 125 12.7 6.2 9.4





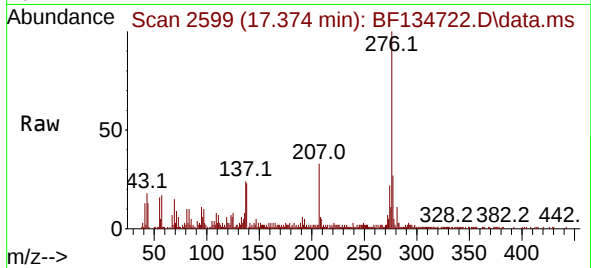
#92
 Benzo(g,h,i)perylene
 Concen: 3.831 ng
 RT: 17.374 min Scan# 2599
 Delta R.T. 0.000 min
 Lab File: BF134722.D
 Acq: 11 Aug 2023 09:20

Instrument :

BNA_F

ClientSampleId :

OK-1-080923



Tgt Ion:276 Resp: 5984
 Ion Ratio Lower Upper
 276 100
 277 26.9 19.0 28.6
 138 23.3 12.2 18.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/12/2023

Supervised By :mohammad ahmed 08/12/2023

