

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
 Data File : BF134521.D
 Acq On : 28 Jul 2023 18:16
 Operator : CG\JU
 Sample : 03777-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/29/2023
 Supervised By :mohammad ahmed 07/31/2023

Quant Time: Jul 28 18:36:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 27 12:16:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	99929	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	348114	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	116284	20.000	ng	0.01
64) Phenanthrene-d10	11.386	188	188467	20.000	ng	# 0.03
76) Chrysene-d12	14.045	240	187954	20.000	ng	# 0.02
86) Perylene-d12	15.527	264	206941	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	473970	78.364	ng	0.00
7) Phenol-d6	6.475	99	579993	78.268	ng	0.00
23) Nitrobenzene-d5	7.392	82	373030	54.216	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	119216	72.157	ng	0.02
45) 2-Fluorobiphenyl	9.186	172	479635	54.149	ng	0.00
79) Terphenyl-d14	12.986	244	475427	44.156	ng	0.04
Target Compounds						Qvalue
58) Fluorene	10.427	166	24791	2.832	ng	# 56
71) Phenanthrene	11.416	178	184216	18.708	ng	# 84
72) Anthracene	11.469	178	34233	3.368	ng	# 24
75) Fluoranthene	12.621	202	164662	14.348	ng	87
78) Pyrene	12.857	202	150333	10.059	ng	# 87
81) Benzo(a)anthracene	14.033	228	66722	5.088	ng	# 94
83) Chrysene	14.068	228	56893	4.536	ng	# 88
88) Benzo(b)fluoranthene	15.092	252	61027m	4.714	ng	
90) Benzo(a)pyrene	15.462	252	43256	3.615	ng	# 87
92) Benzo(g,h,i)perylene	17.533	276	23379	2.085	ng	# 84

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

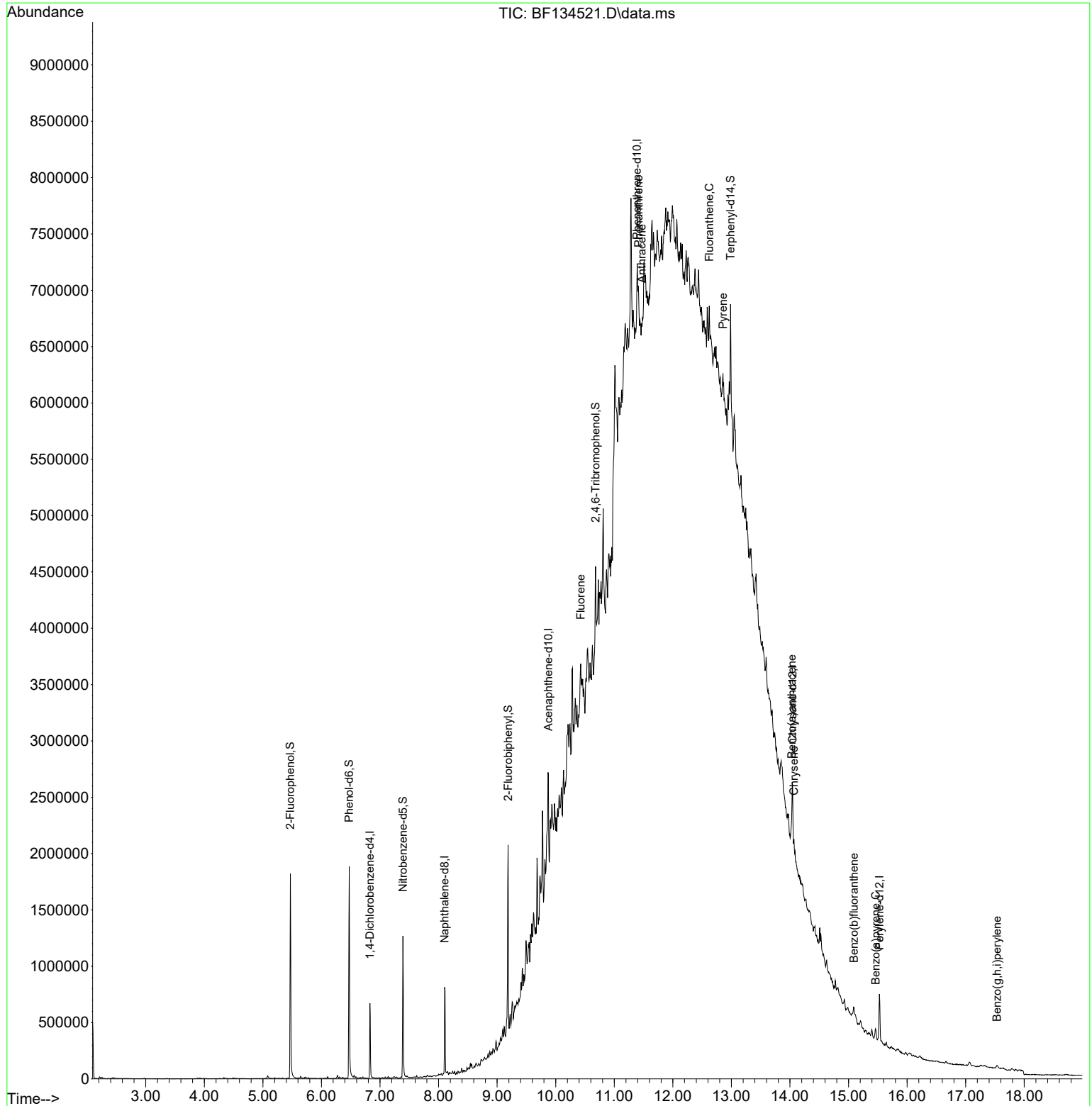
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
Data File : BF134521.D
Acq On : 28 Jul 2023 18:16
Operator : CG\JU
Sample : 03777-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

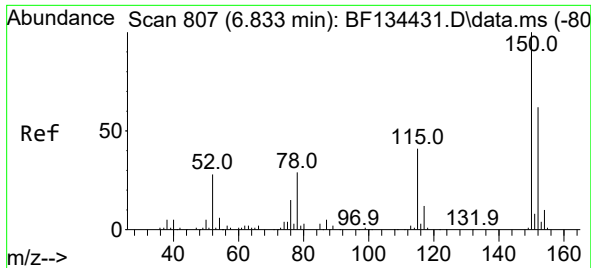
Instrument :
BNA_F
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
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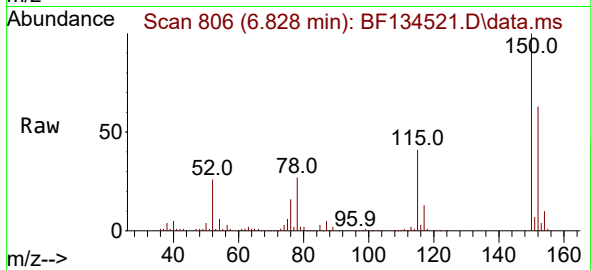
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/31/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF134521.D
Acq: 28 Jul 2023 18:16

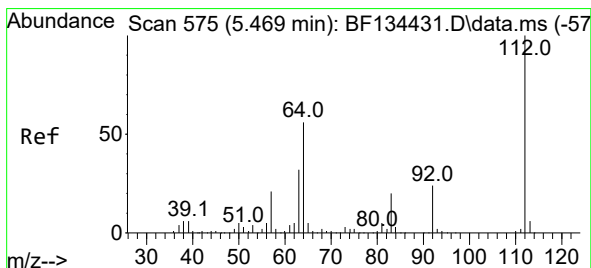
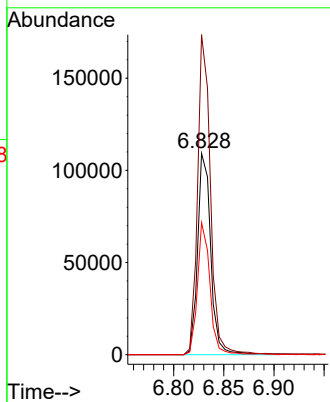
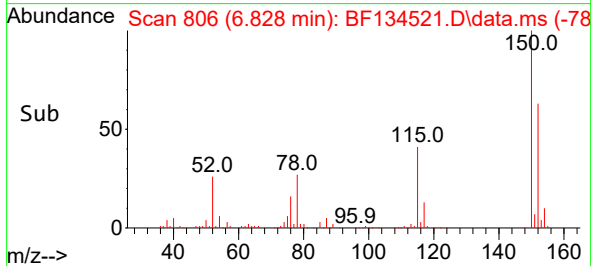
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:152 Resp: 99929
Ion Ratio Lower Upper
152 100
150 158.9 128.3 192.5
115 65.7 52.4 78.6

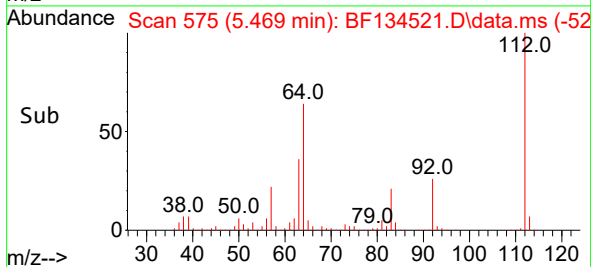
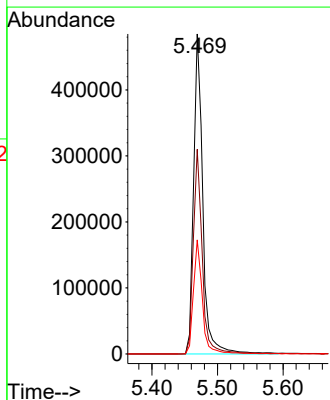
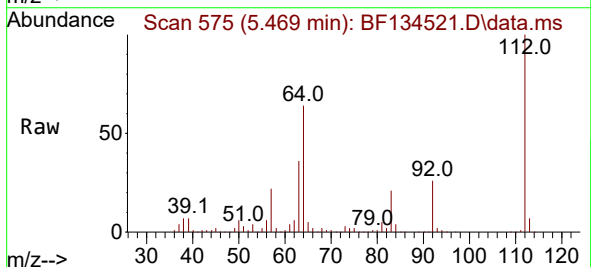
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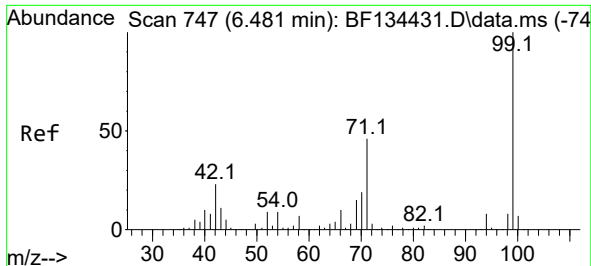
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/31/2023



#5
2-Fluorophenol
Concen: 78.364 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF134521.D
Acq: 28 Jul 2023 18:16

Tgt Ion:112 Resp: 473970
Ion Ratio Lower Upper
112 100
64 63.9 44.9 67.3
63 35.7 25.4 38.0





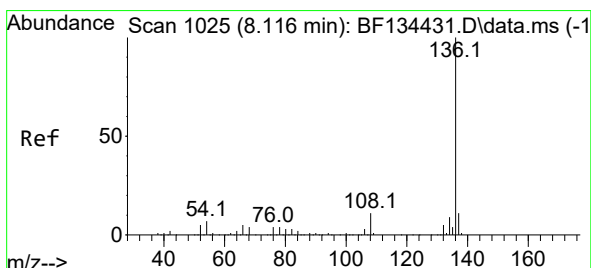
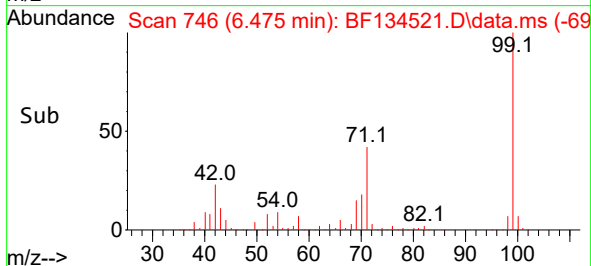
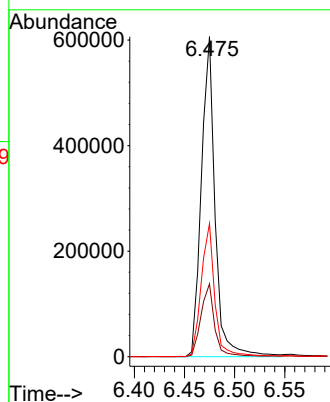
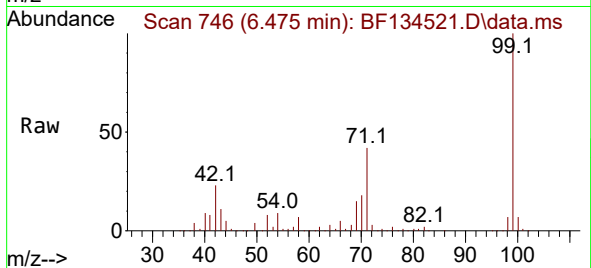
#7
Phenol-d6
Concen: 78.268 ng
RT: 6.475 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF134521.D
Acq: 28 Jul 2023 18:16

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion: 99 Resp: 57999
Ion Ratio Lower Upper
99 100
42 22.8 18.7 28.1
71 41.6 36.4 54.6

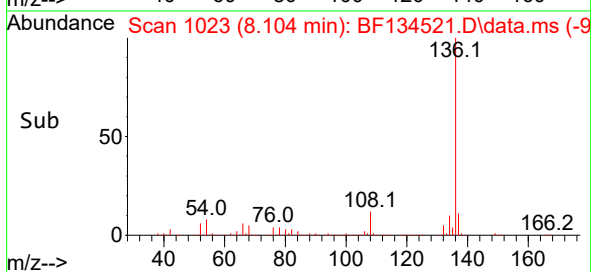
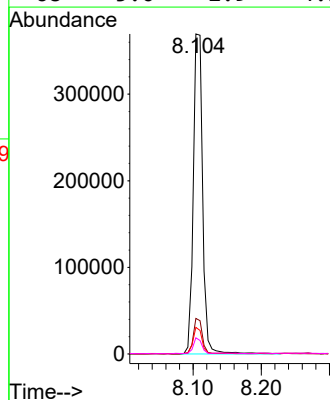
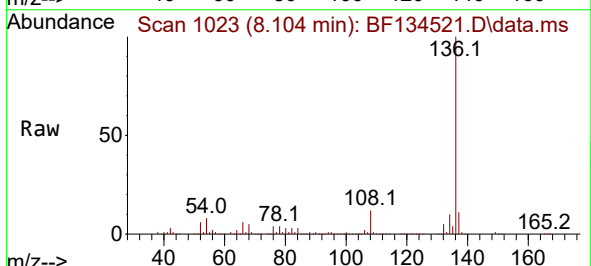
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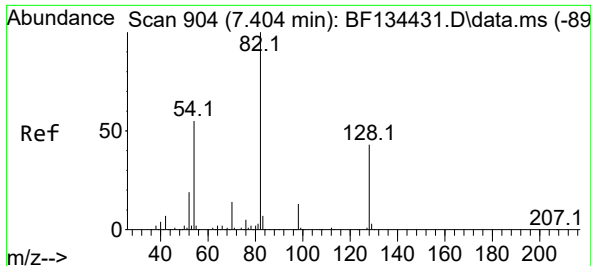
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/31/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF134521.D
Acq: 28 Jul 2023 18:16

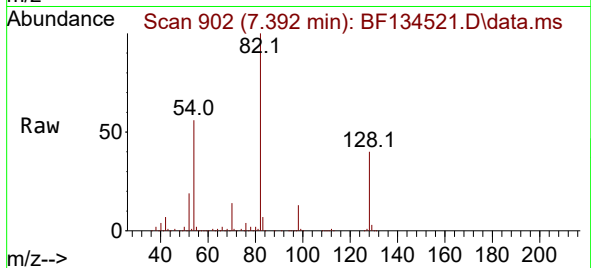
Tgt Ion:136 Resp: 348114
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 8.3 5.2 7.8#
68 5.0 2.9 4.3#





#23
Nitrobenzene-d5
Concen: 54.216 ng
RT: 7.392 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF134521.D
Acq: 28 Jul 2023 18:16

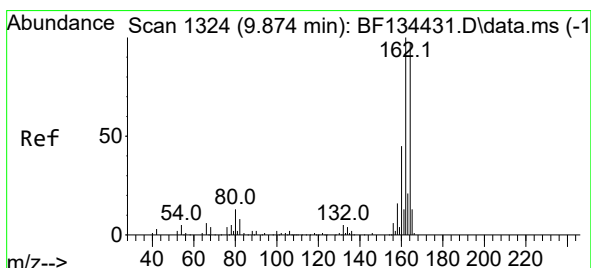
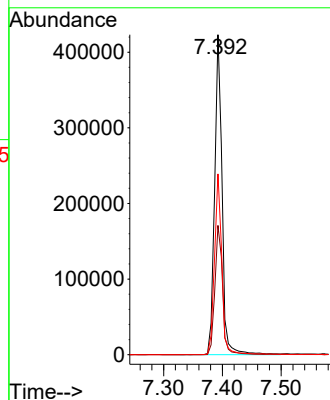
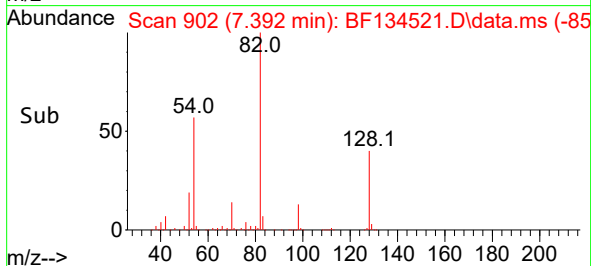
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion: 82 Resp: 373030
Ion Ratio Lower Upper
82 100
128 40.4 34.3 51.5
54 56.5 43.8 65.6

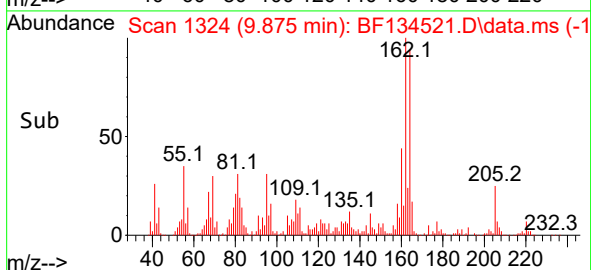
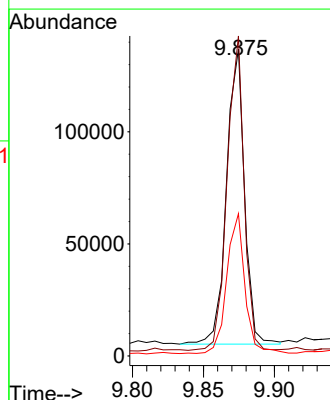
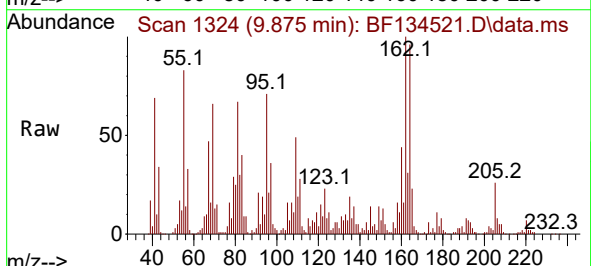
Manual Integrations
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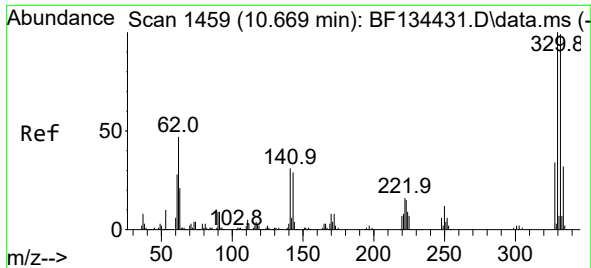
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/31/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.012 min
Lab File: BF134521.D
Acq: 28 Jul 2023 18:16

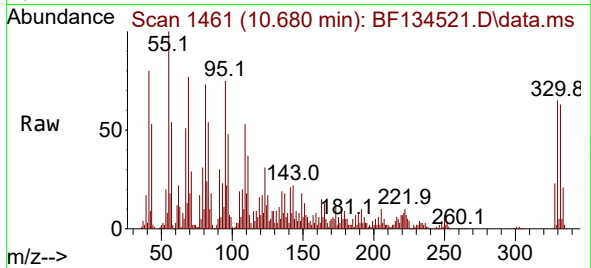
Tgt Ion:164 Resp: 116284
Ion Ratio Lower Upper
164 100
162 104.3 82.6 123.8
160 46.3 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 72.157 ng
RT: 10.680 min Scan# 1459
Delta R.T. 0.018 min
Lab File: BF134521.D
Acq: 28 Jul 2023 18:16

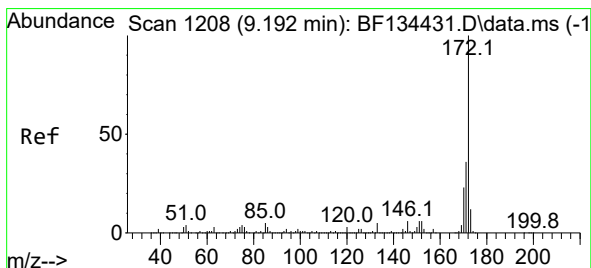
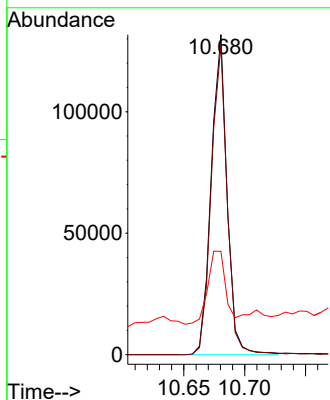
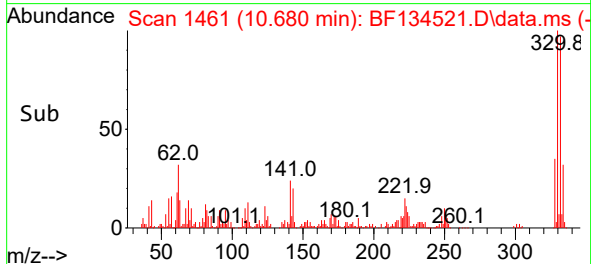
Instrument :
BNA_F
ClientSampleId :
WC-1



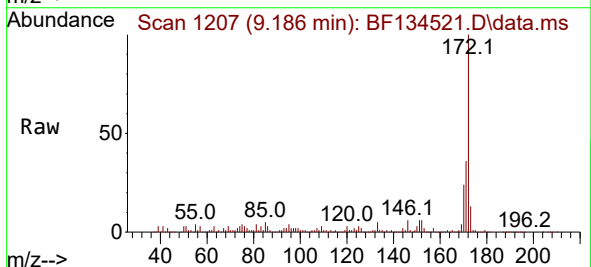
Tgt Ion: 330 Resp: 119210
Ion Ratio Lower Upper
330 100
332 97.5 78.8 118.2
141 26.6 25.4 38.2

Manual Integrations
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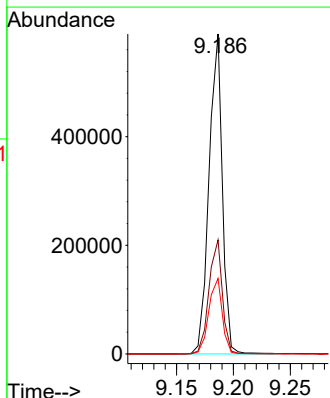
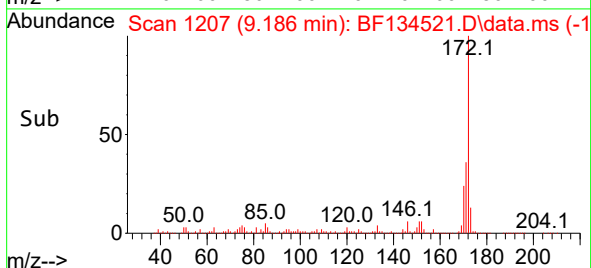
Reviewed By : Yogesh Patel 07/29/2023
Supervised By : mohammad ahmed 07/31/2023

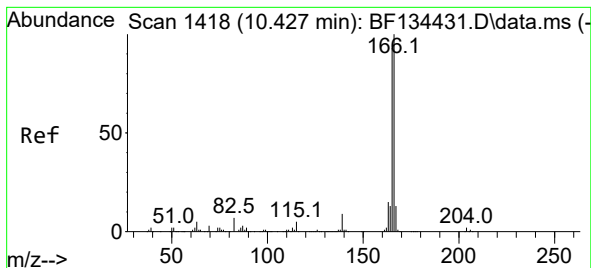


#45
2-Fluorobiphenyl
Concen: 54.149 ng
RT: 9.186 min Scan# 1207
Delta R.T. 0.006 min
Lab File: BF134521.D
Acq: 28 Jul 2023 18:16



Tgt Ion: 172 Resp: 479635
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.6 18.7 28.1





#58

Fluorene

Concen: 2.832 ng

RT: 10.427 min Scan# 1418

Delta R.T. 0.012 min

Lab File: BF134521.D

Acq: 28 Jul 2023 18:16

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:166 Resp: 2479

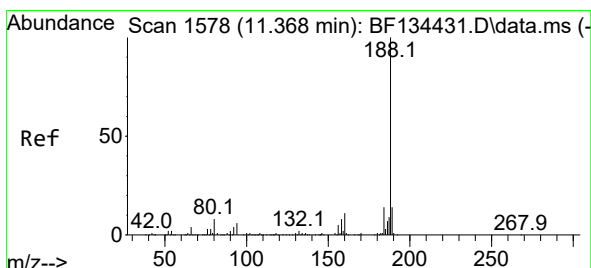
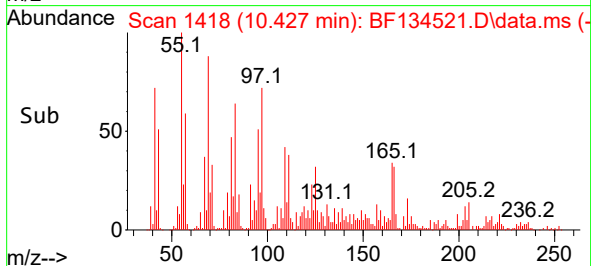
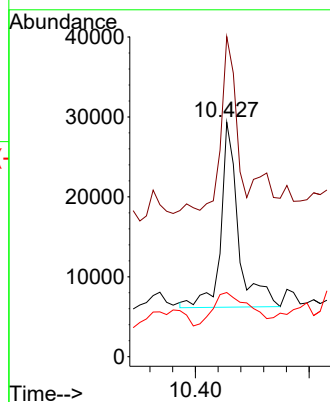
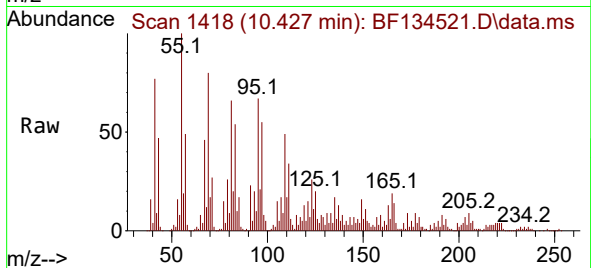
Ion	Ratio	Lower	Upper
166	100		
165	136.5	74.5	111.7
167	27.4	10.6	16.0

Manual Integrations

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Reviewed By :Yogesh Patel 07/29/2023

Supervised By :mohammad ahmed 07/31/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1581

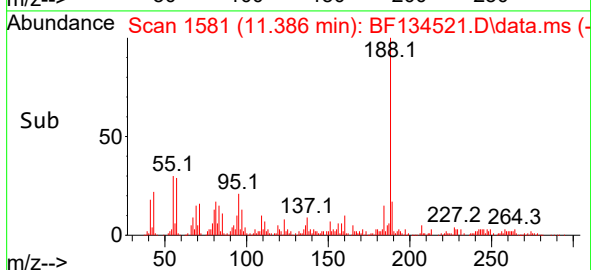
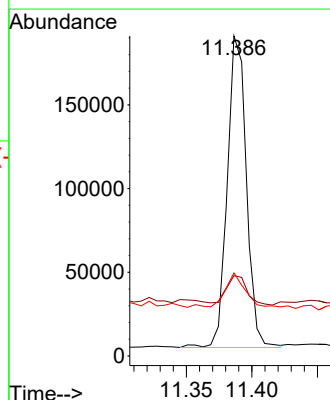
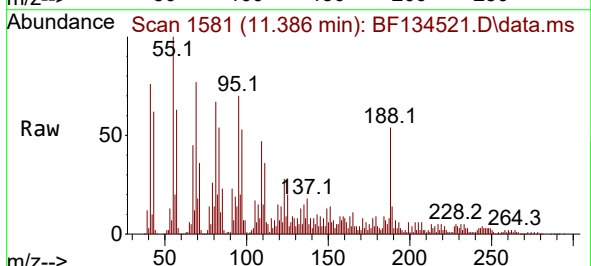
Delta R.T. 0.030 min

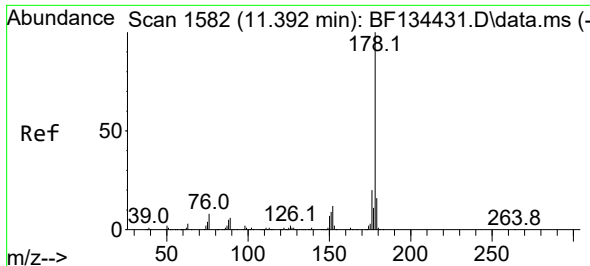
Lab File: BF134521.D

Acq: 28 Jul 2023 18:16

Tgt Ion:188 Resp: 188467

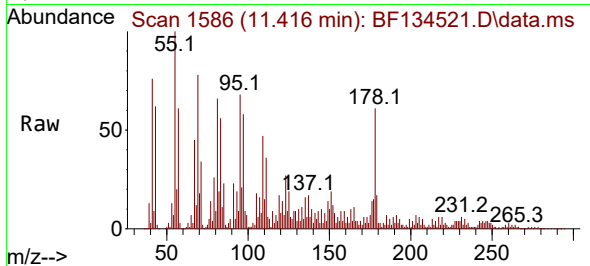
Ion	Ratio	Lower	Upper
188	100		
94	25.1	5.1	7.7
80	26.0	6.6	9.8





#71
Phenanthrene
Concen: 18.708 ng
RT: 11.416 min Scan# 1582
Delta R.T. 0.029 min
Lab File: BF134521.D
Acq: 28 Jul 2023 18:16

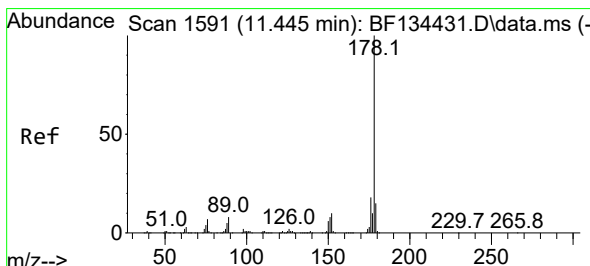
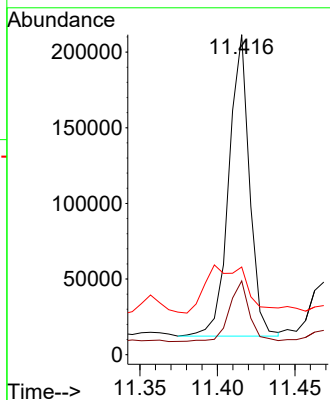
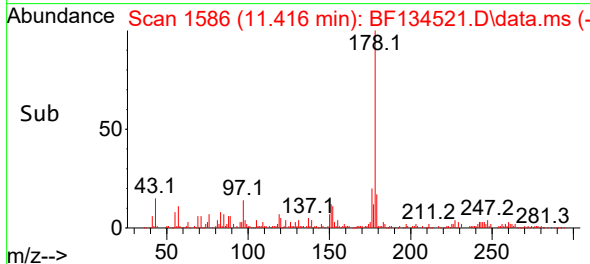
Instrument :
BNA_F
ClientSampleId :
WC-1



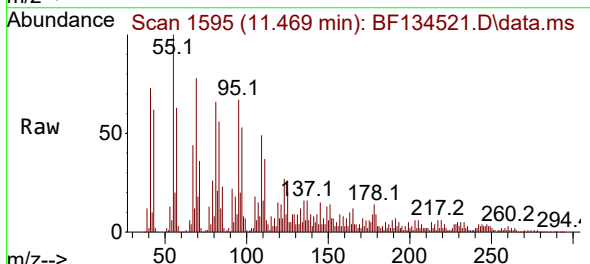
Tgt Ion:178 Resp: 184210
Ion Ratio Lower Upper
178 100
176 23.1 15.8 23.6
179 27.4 12.7 19.1

Manual Integrations
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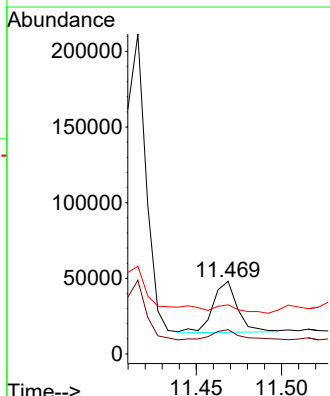
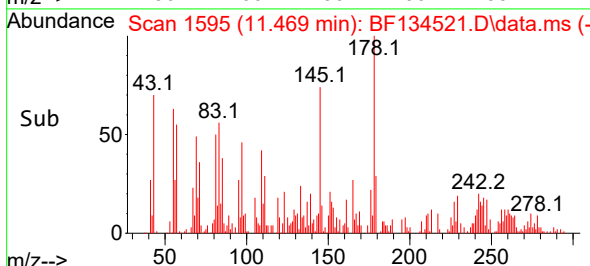
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/31/2023

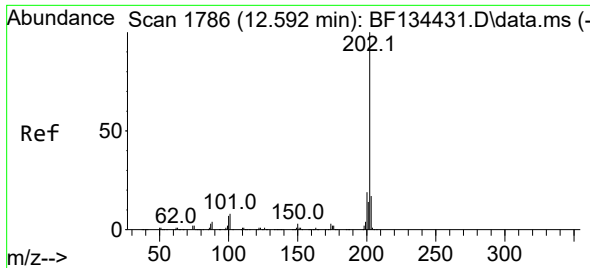


#72
Anthracene
Concen: 3.368 ng
RT: 11.469 min Scan# 1595
Delta R.T. 0.030 min
Lab File: BF134521.D
Acq: 28 Jul 2023 18:16



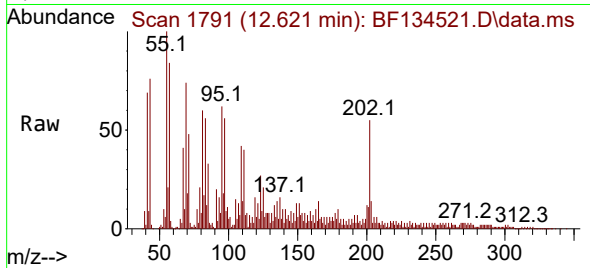
Tgt Ion:178 Resp: 34233
Ion Ratio Lower Upper
178 100
176 33.5 14.6 21.8#
179 67.5 12.3 18.5#





#75
Fluoranthene
Concen: 14.348 ng
RT: 12.621 min Scan# 1791
Delta R.T. 0.041 min
Lab File: BF134521.D
Acq: 28 Jul 2023 18:16

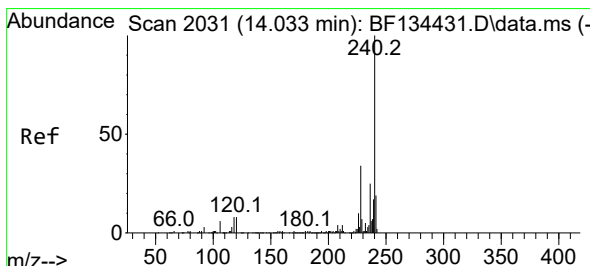
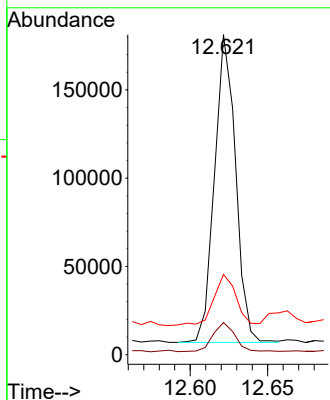
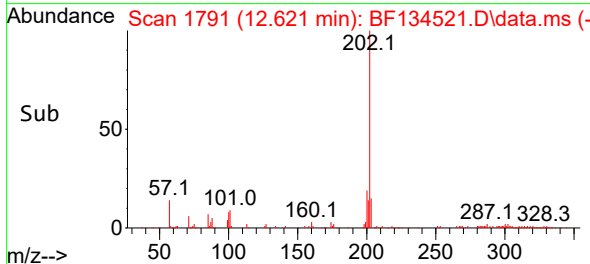
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:202 Resp: 164662
Ion Ratio Lower Upper
202 100
101 10.1 0.0 28.5
203 25.1 0.0 37.5

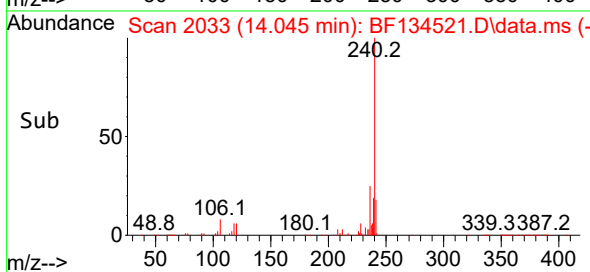
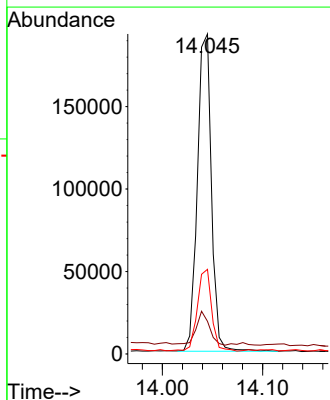
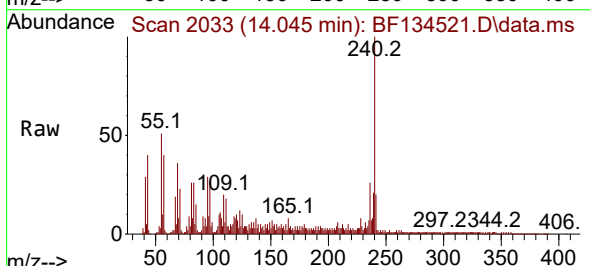
Manual Integrations
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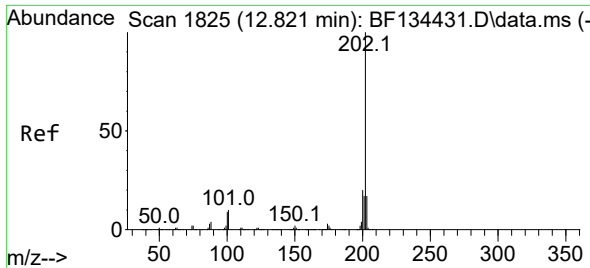
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/31/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.024 min
Lab File: BF134521.D
Acq: 28 Jul 2023 18:16

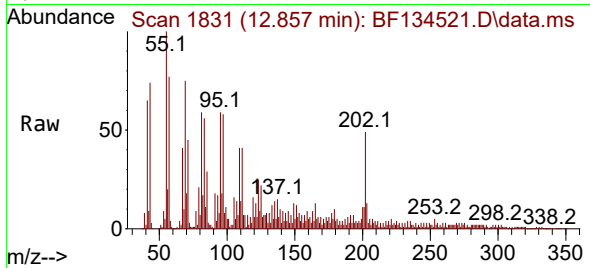
Tgt Ion:240 Resp: 187954
Ion Ratio Lower Upper
240 100
120 10.2 6.6 10.0#
236 26.5 20.2 30.2





#78
Pyrene
Concen: 10.059 ng
RT: 12.857 min Scan# 1831
Delta R.T. 0.047 min
Lab File: BF134521.D
Acq: 28 Jul 2023 18:16

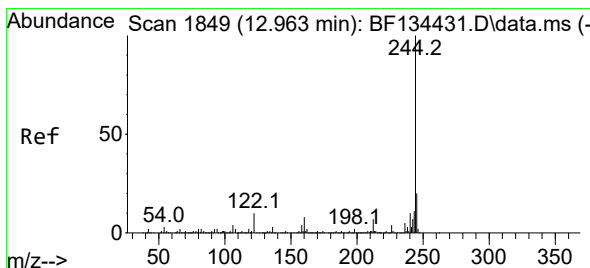
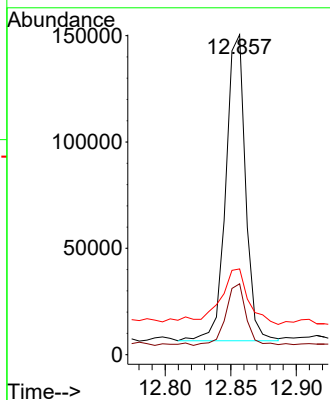
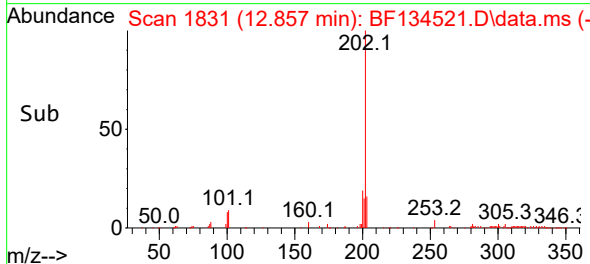
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:202 Resp: 15033
Ion Ratio Lower Upper
202 100
200 22.1 15.8 23.8
203 26.8 13.5 20.3

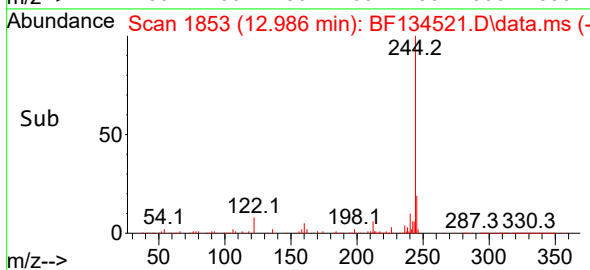
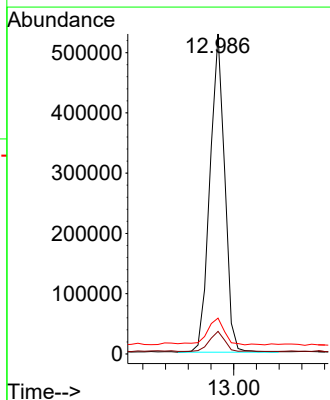
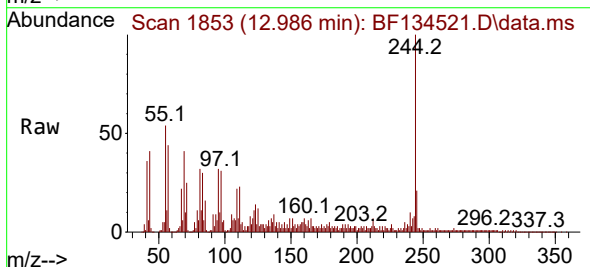
Manual Integrations
APPROVED

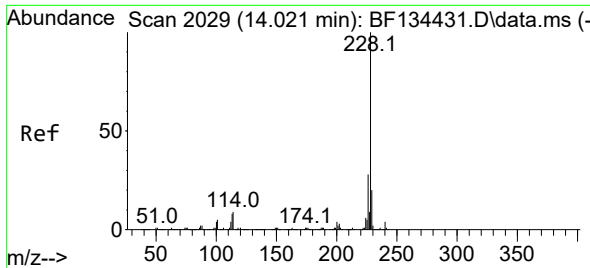
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/31/2023



#79
Terphenyl-d14
Concen: 44.156 ng
RT: 12.986 min Scan# 1853
Delta R.T. 0.035 min
Lab File: BF134521.D
Acq: 28 Jul 2023 18:16

Tgt Ion:244 Resp: 475427
Ion Ratio Lower Upper
244 100
212 7.1 5.6 8.4
122 11.2 8.0 12.0





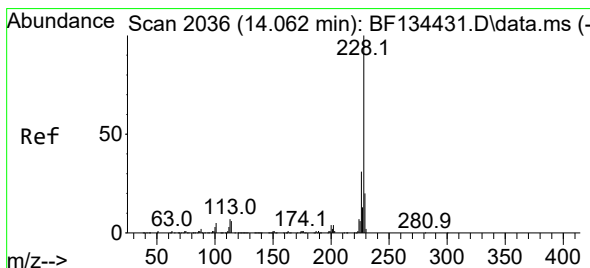
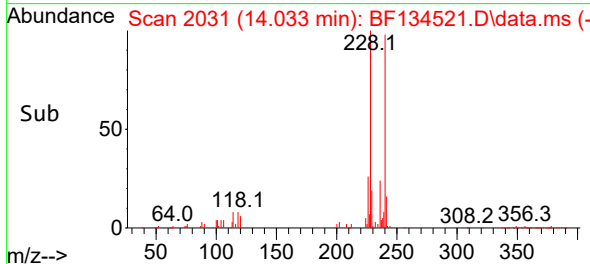
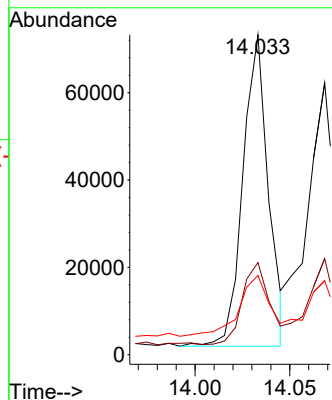
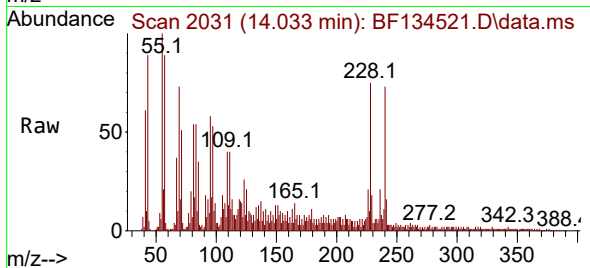
#81
Benzo(a)anthracene
Concen: 5.088 ng
RT: 14.033 min Scan# 2029
Delta R.T. 0.024 min
Lab File: BF134521.D
Acq: 28 Jul 2023 18:16

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:228 Resp: 6672
Ion Ratio Lower Upper
228 100
226 28.8 22.3 33.5
229 24.8 15.8 23.6

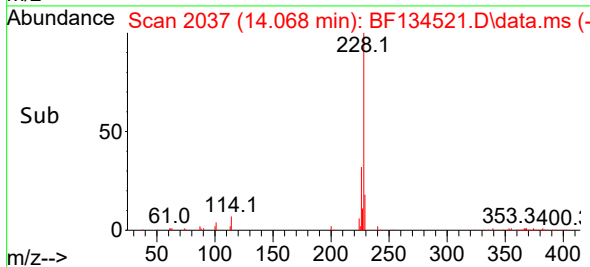
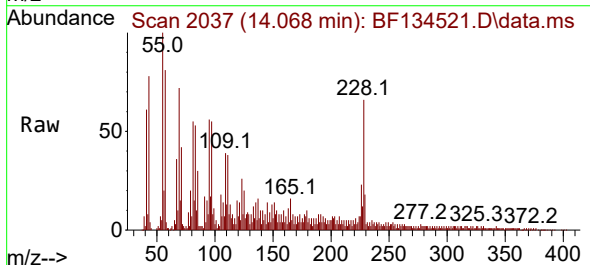
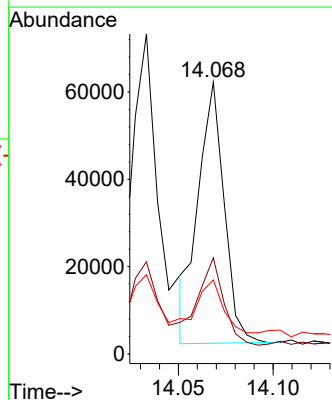
Manual Integrations
APPROVED

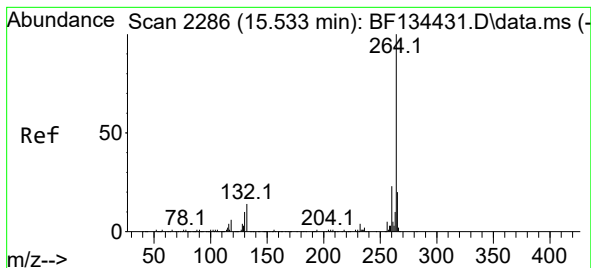
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/31/2023



#83
Chrysene
Concen: 4.536 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.024 min
Lab File: BF134521.D
Acq: 28 Jul 2023 18:16

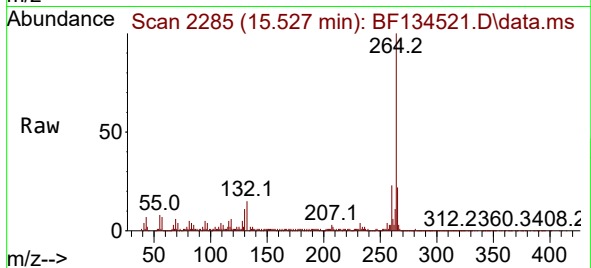
Tgt Ion:228 Resp: 56893
Ion Ratio Lower Upper
228 100
226 35.4 24.5 36.7
229 27.3 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF134521.D
Acq: 28 Jul 2023 18:16

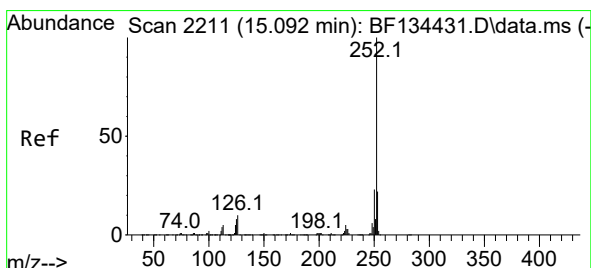
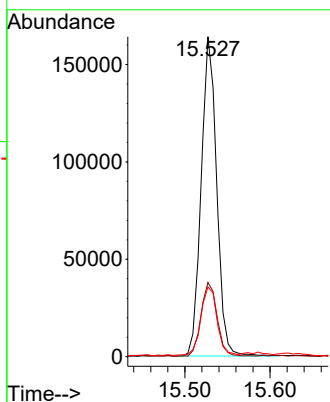
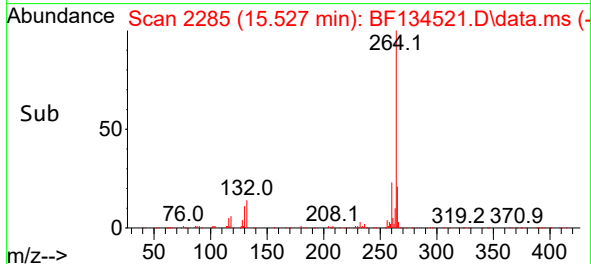
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:264 Resp: 20694
Ion Ratio Lower Upper
264 100
260 23.2 18.4 27.6
265 21.8 15.8 23.8

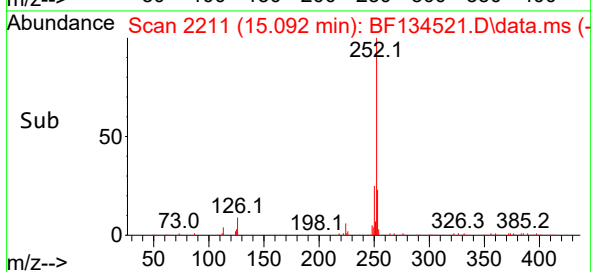
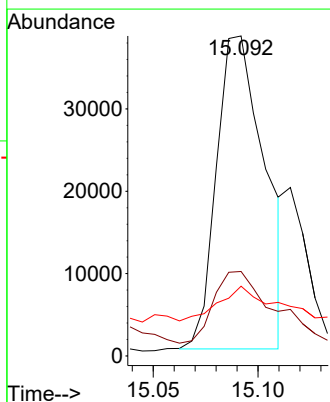
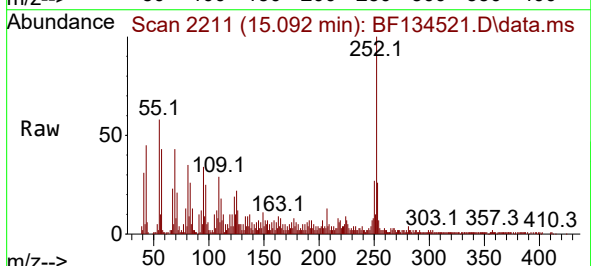
Manual Integrations
APPROVED

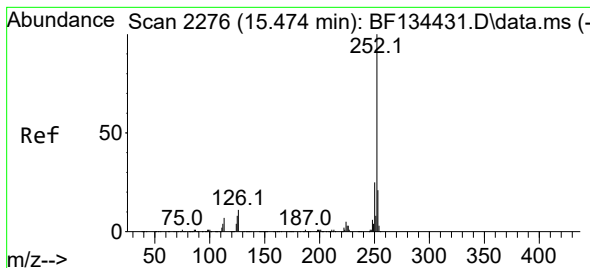
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/31/2023



#88
Benzo(b)fluoranthene
Concen: 4.714 ng m
RT: 15.092 min Scan# 2211
Delta R.T. 0.018 min
Lab File: BF134521.D
Acq: 28 Jul 2023 18:16

Tgt Ion:252 Resp: 61027
Ion Ratio Lower Upper
252 100
253 26.4 17.3 25.9#
125 21.8 6.0 9.0#





#90

Benzo(a)pyrene

Concen: 3.615 ng

RT: 15.462 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134521.D

Acq: 28 Jul 2023 18:16

Instrument :

BNA_F

ClientSampleId :

WC-1

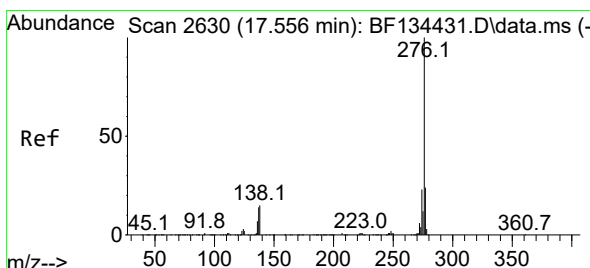
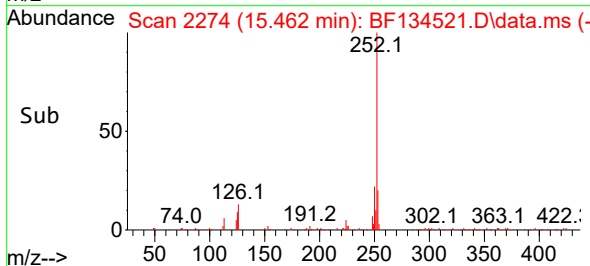
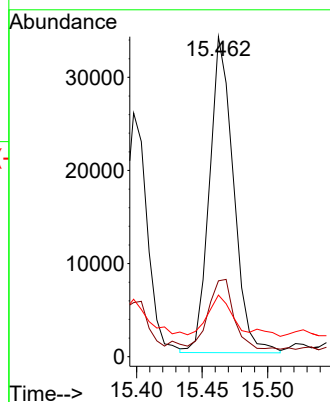
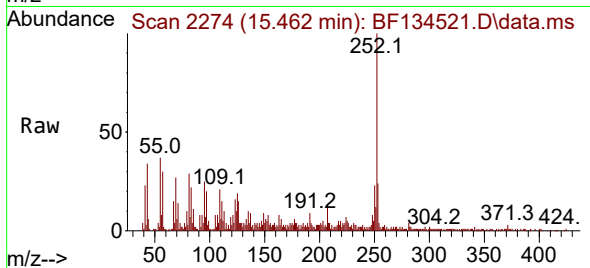
Tgt Ion:	252	Resp:	43250
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.0	25.4
125	19.2	6.2	9.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/29/2023

Supervised By :mohammad ahmed 07/31/2023



#92

Benzo(g,h,i)perylene

Concen: 2.085 ng

RT: 17.533 min Scan# 2626

Delta R.T. 0.012 min

Lab File: BF134521.D

Acq: 28 Jul 2023 18:16

Tgt Ion:	276	Resp:	23379
Ion Ratio	Lower	Upper	
276	100		
277	32.9	19.0	28.6#
138	20.1	12.2	18.2#

