

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
 Data File : BF134410.D
 Acq On : 21 Jul 2023 20:09
 Operator : CG\JU
 Sample : 03659-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-4-071823

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :mohammad ahmed 07/24/2023

Quant Time: Jul 22 05:05:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	60245	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	223949	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	101876	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	161918	20.000	ng	0.00
76) Chrysene-d12	14.033	240	136565	20.000	ng	0.00
86) Perylene-d12	15.539	264	108314	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	339536	94.276	ng	0.00
7) Phenol-d6	6.481	99	398064	89.874	ng	0.00
23) Nitrobenzene-d5	7.398	82	271331	65.310	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	110772	86.722	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	485049	69.222	ng	-0.01
79) Terphenyl-d14	12.969	244	421539	49.678	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.586	163	56145	7.592	ng	99
71) Phenanthrene	11.392	178	36487	4.476	ng	99
75) Fluoranthene	12.592	202	80762	9.165	ng	98
78) Pyrene	12.827	202	78551	6.181	ng	99
81) Benzo(a)anthracene	14.021	228	45158	4.768	ng	96
83) Chrysene	14.057	228	44539	4.855	ng	96
84) Bis(2-ethylhexyl)phtha...	14.004	149	12580	2.297	ng	# 95
87) Indeno(1,2,3-cd)pyrene	17.086	276	17077	2.272	ng	95
88) Benzo(b)fluoranthene	15.098	252	46826m	7.352	ng	
89) Benzo(k)fluoranthene	15.121	252	13958m	2.152	ng	
90) Benzo(a)pyrene	15.474	252	28206	4.580	ng	# 92
92) Benzo(g,h,i)perylene	17.562	276	16446	2.598	ng	96

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

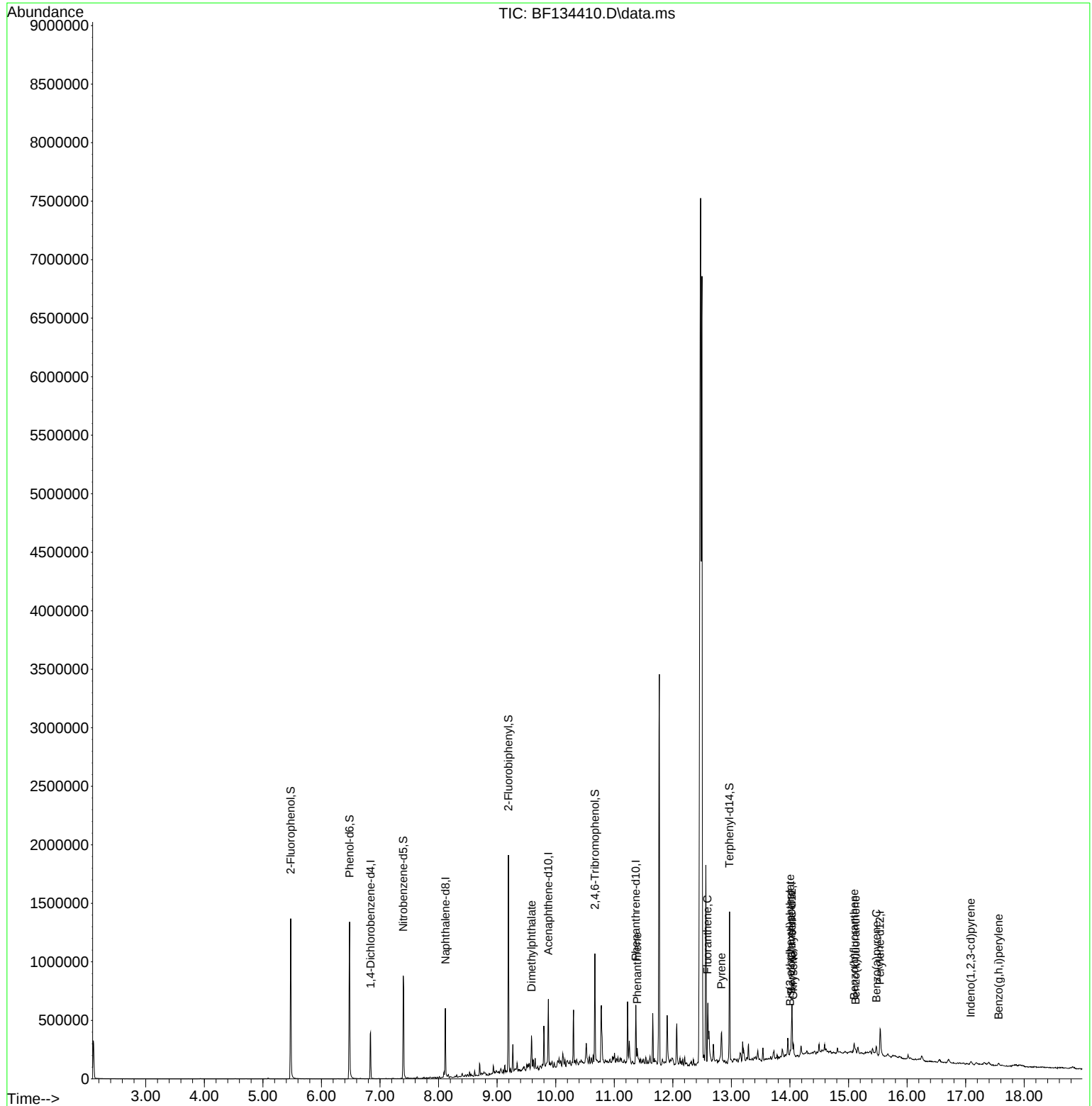
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
Data File : BF134410.D
Acq On : 21 Jul 2023 20:09
Operator : CG\JU
Sample : 03659-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

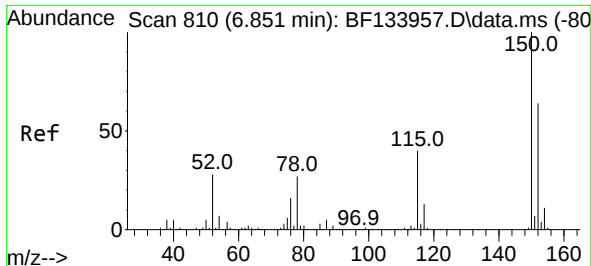
Instrument :
BNA_F
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HR-4-071823

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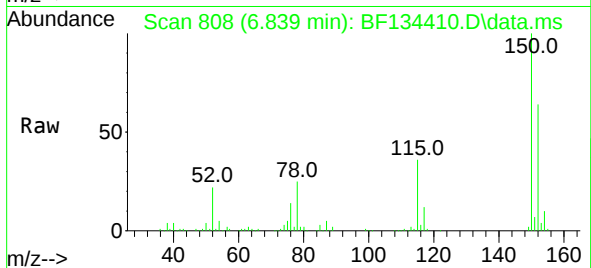
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134410.D
Acq: 21 Jul 2023 20:09

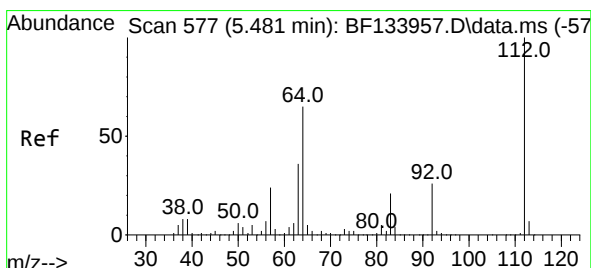
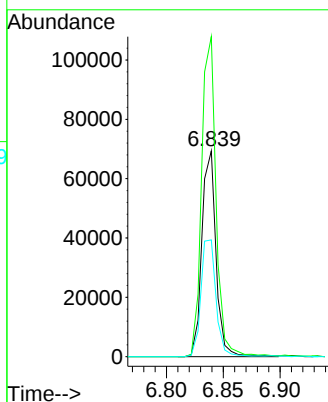
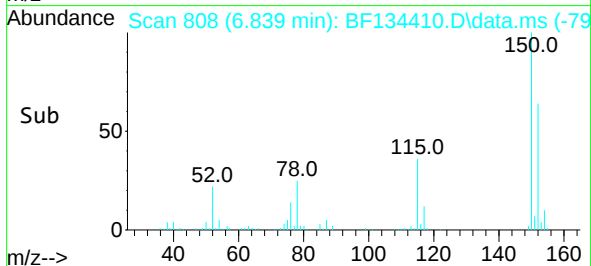
Instrument :
BNA_F
ClientSampleId :
HR-4-071823



Tgt Ion:152 Resp: 6024
Ion Ratio Lower Upper
152 100
150 155.6 124.5 186.7
115 56.7 50.2 75.2

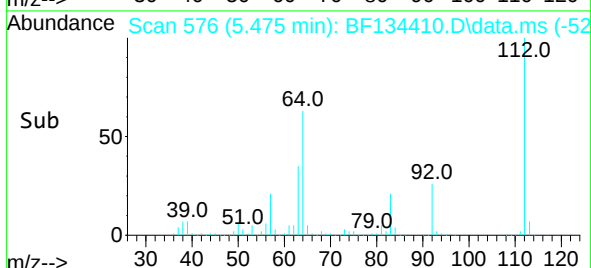
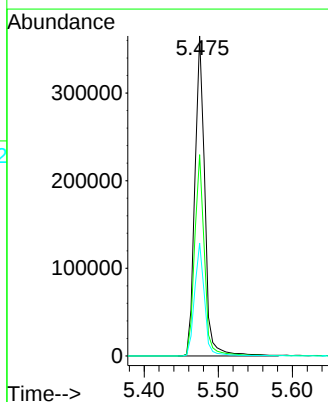
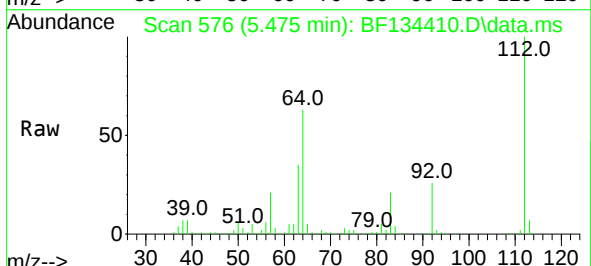
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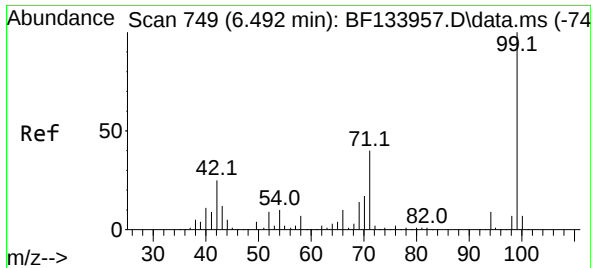
Reviewed By :Yogesh Patel 07/24/2023
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#5
2-Fluorophenol
Concen: 94.276 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF134410.D
Acq: 21 Jul 2023 20:09

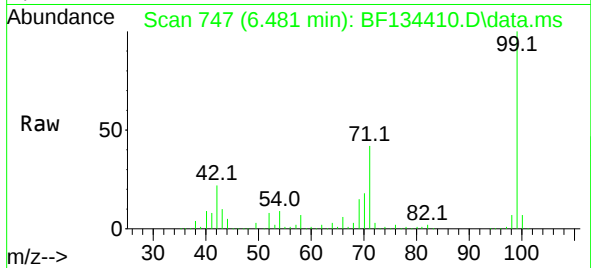
Tgt Ion:112 Resp: 339536
Ion Ratio Lower Upper
112 100
64 62.9 52.1 78.1
63 35.3 28.6 42.8





#7
Phenol-d6
Concen: 89.874 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134410.D
Acq: 21 Jul 2023 20:09

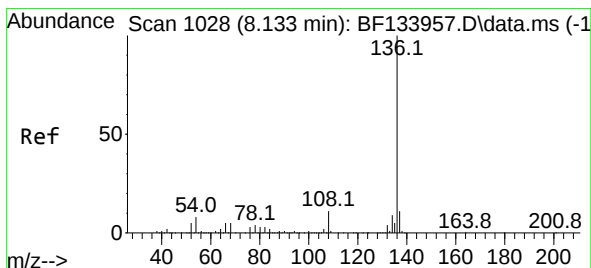
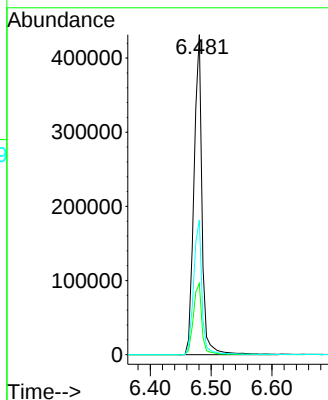
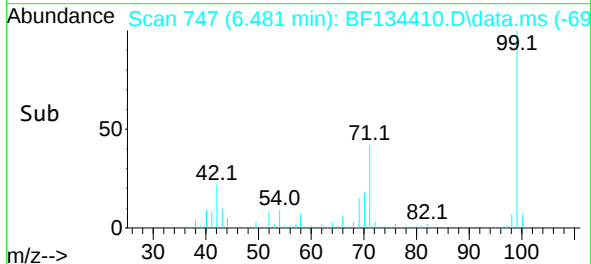
Instrument :
BNA_F
ClientSampleId :
HR-4-071823



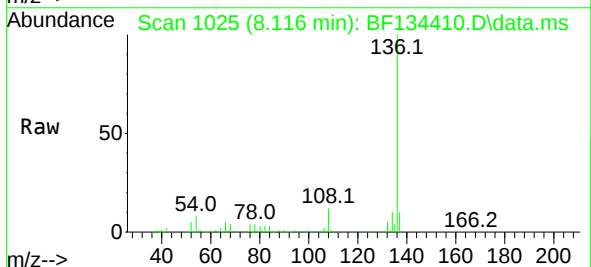
Tgt Ion: 99 Resp: 398064
Ion Ratio Lower Upper
99 100
42 22.2 19.8 29.6
71 42.1 31.9 47.9

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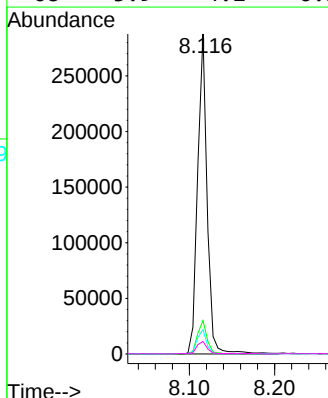
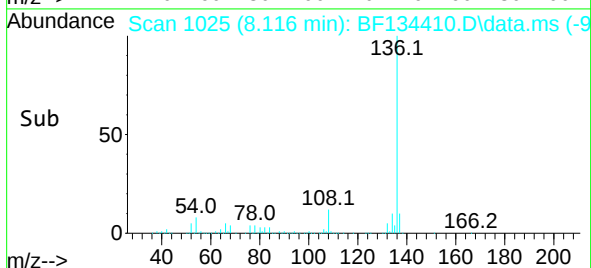
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

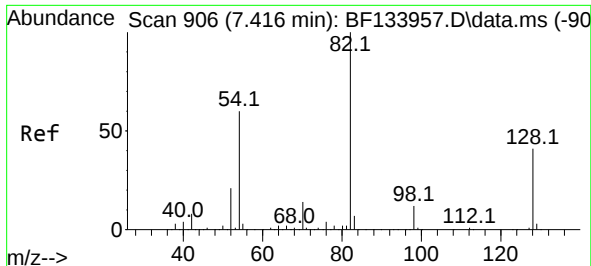


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134410.D
Acq: 21 Jul 2023 20:09



Tgt Ion:136 Resp: 223949
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 7.6 6.5 9.7
68 3.9 4.2 6.2#





#23

Nitrobenzene-d5

Concen: 65.310 ng

RT: 7.398 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF134410.D

Acq: 21 Jul 2023 20:09

Instrument :

BNA_F

ClientSampleId :

HR-4-071823

Tgt Ion: 82 Resp: 27133

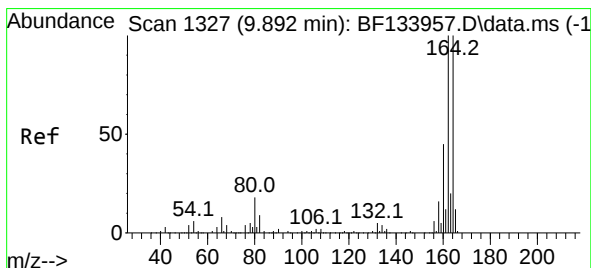
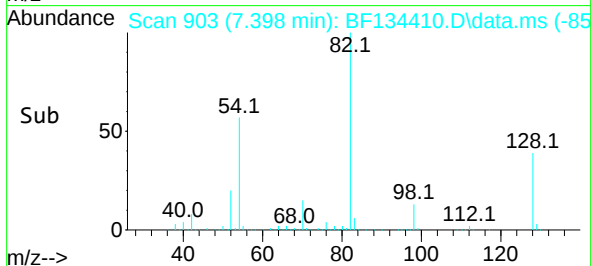
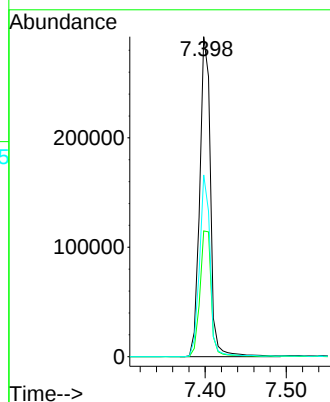
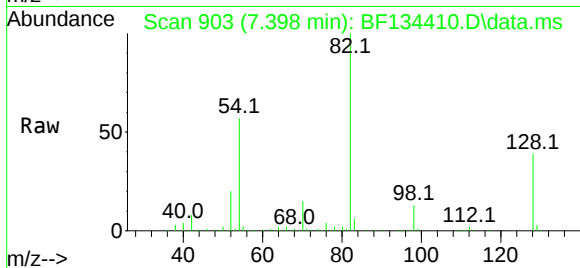
Ion	Ratio	Lower	Upper
82	100		
128	39.3	32.5	48.7
54	56.8	48.2	72.2

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1324

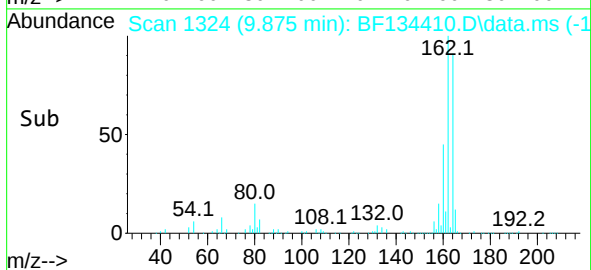
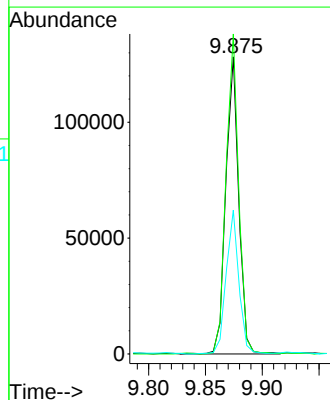
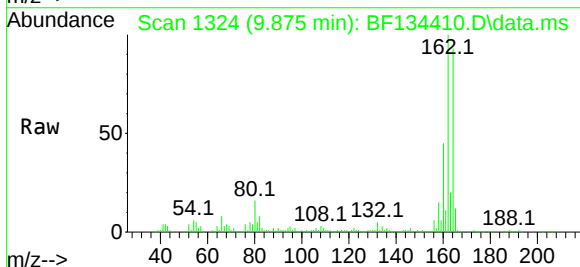
Delta R.T. -0.006 min

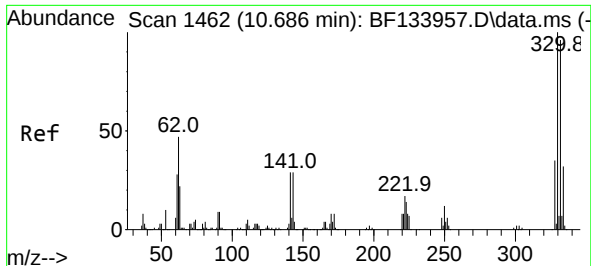
Lab File: BF134410.D

Acq: 21 Jul 2023 20:09

Tgt Ion:164 Resp: 101876

Ion	Ratio	Lower	Upper
164	100		
162	107.7	80.0	120.0
160	48.4	35.9	53.9





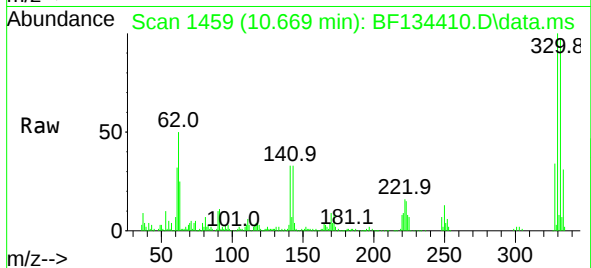
#42
2,4,6-Tribromophenol
Concen: 86.722 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134410.D
Acq: 21 Jul 2023 20:09

Instrument :

BNA_F

ClientSampleId :

HR-4-071823



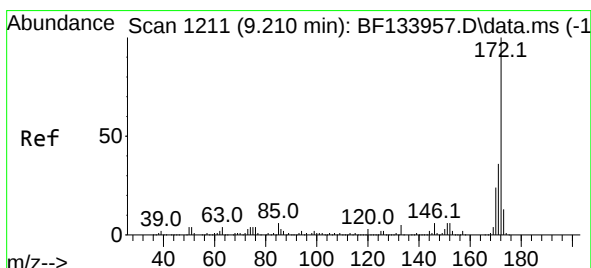
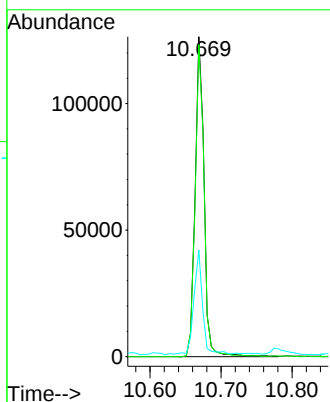
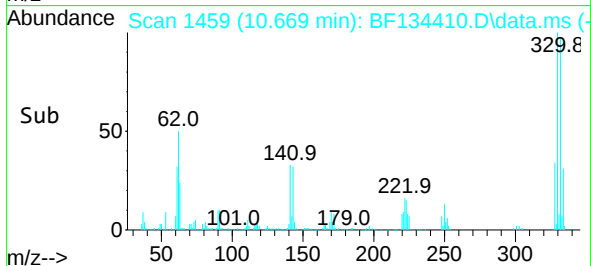
Tgt Ion:330 Resp: 110772
Ion Ratio Lower Upper
330 100
332 97.4 77.0 115.6
141 32.4 26.3 39.5

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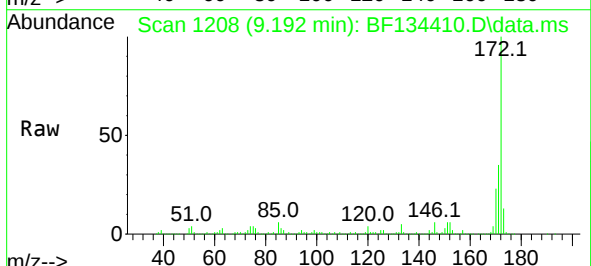
APPROVED

Reviewed By :Yogesh Patel 07/24/2023

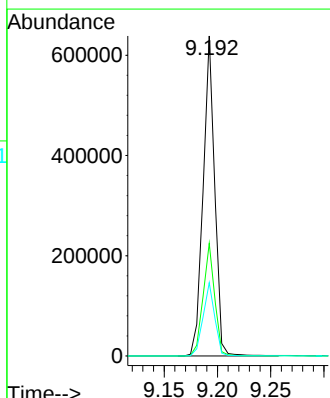
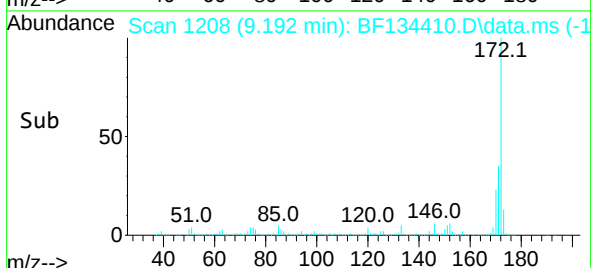
Supervised By :mohammad ahmed 07/24/2023

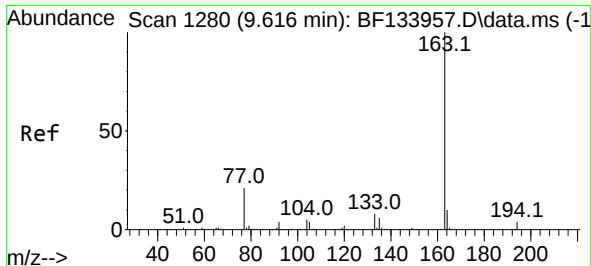


#45
2-Fluorobiphenyl
Concen: 69.222 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134410.D
Acq: 21 Jul 2023 20:09



Tgt Ion:172 Resp: 485049
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 22.9 19.4 29.0





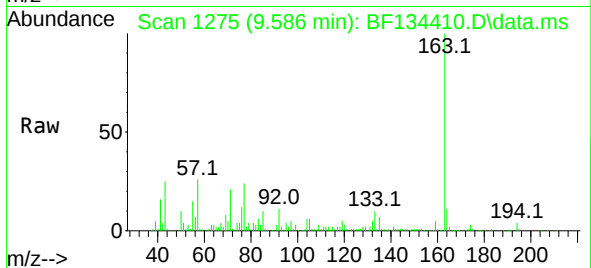
#50
Dimethylphthalate
Concen: 7.592 ng
RT: 9.586 min Scan# 1578
Delta R.T. -0.018 min
Lab File: BF134410.D
Acq: 21 Jul 2023 20:09

Instrument :

BNA_F

ClientSampleId :

HR-4-071823



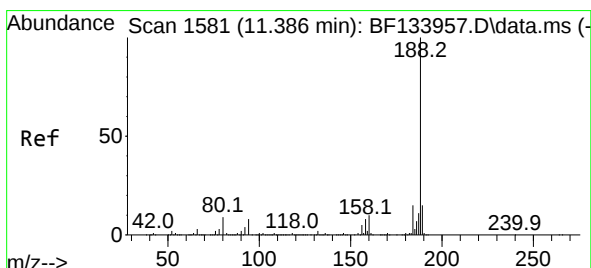
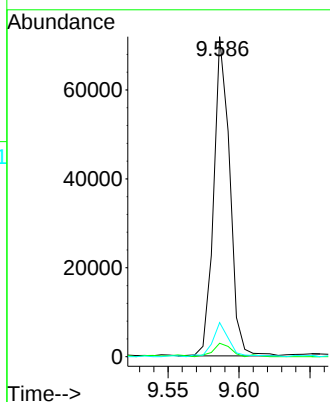
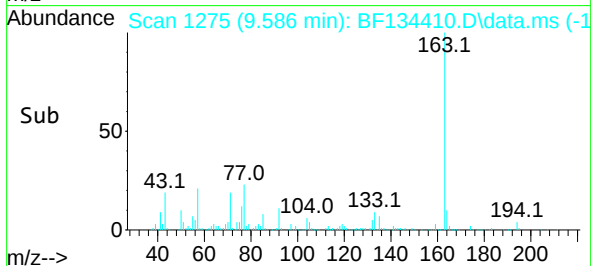
Tgt Ion:163 Resp: 5614
Ion Ratio Lower Upper
163 100
194 4.2 3.0 4.6
164 10.7 8.2 12.2

Manual Integrations

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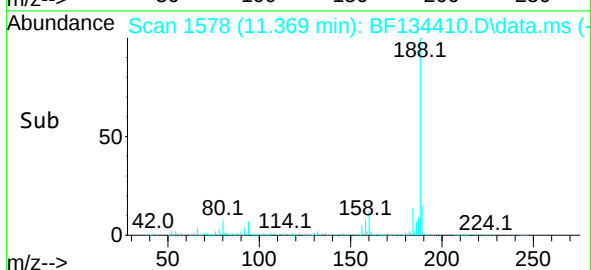
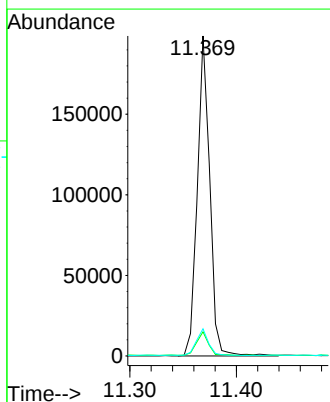
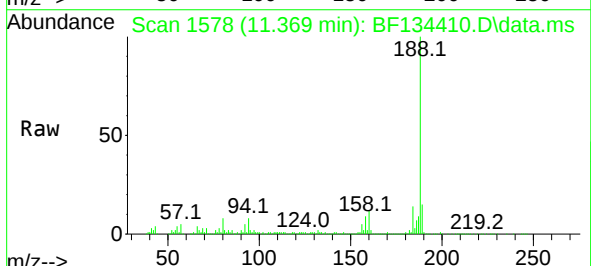
Reviewed By :Yogesh Patel 07/24/2023

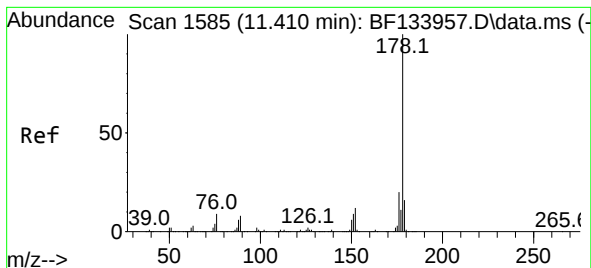
Supervised By :mohammad ahmed 07/24/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF134410.D
Acq: 21 Jul 2023 20:09

Tgt Ion:188 Resp: 161918
Ion Ratio Lower Upper
188 100
94 7.5 6.4 9.6
80 8.5 7.3 10.9





#71

Phenanthrene

Concen: 4.476 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134410.D

Acq: 21 Jul 2023 20:09

Instrument :

BNA_F

ClientSampleId :

HR-4-071823

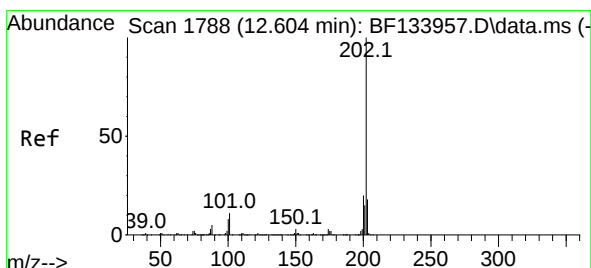
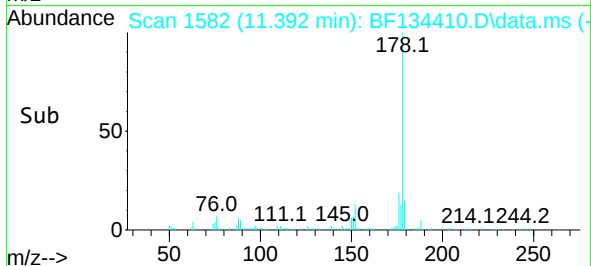
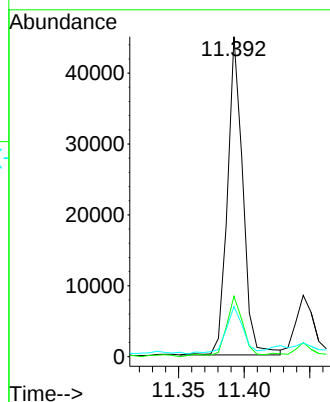
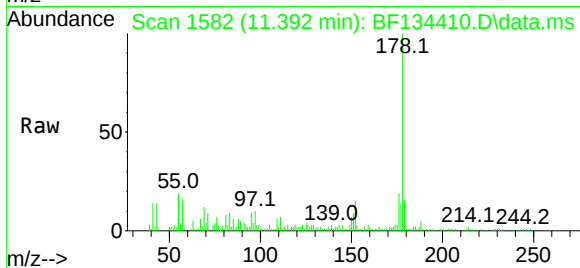
Tgt Ion:178	Resp:	3648
Ion Ratio	Lower	Upper
178	100	
176	18.9	16.0 24.0
179	15.6	12.4 18.6

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Reviewed By :Yogesh Patel 07/24/2023

Supervised By :mohammad ahmed 07/24/2023



#75

Fluoranthene

Concen: 9.165 ng

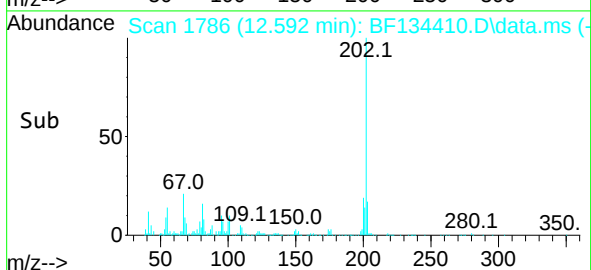
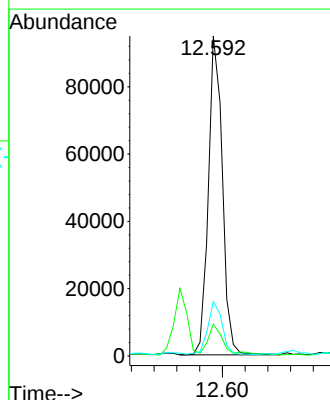
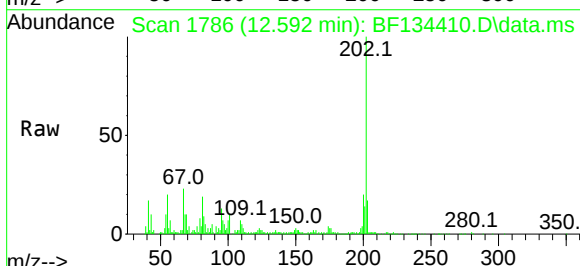
RT: 12.592 min Scan# 1786

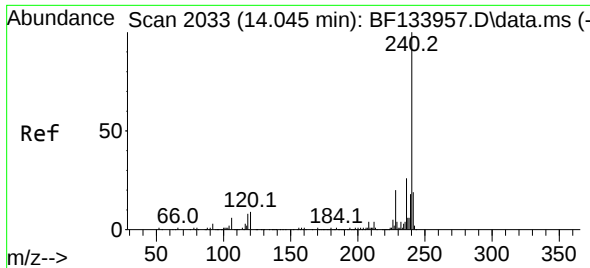
Delta R.T. -0.006 min

Lab File: BF134410.D

Acq: 21 Jul 2023 20:09

Tgt Ion:202	Resp:	80762
Ion Ratio	Lower	Upper
202	100	
101	10.0	0.0 31.0
203	17.0	0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF134410.D
Acq: 21 Jul 2023 20:09

Instrument :

BNA_F

ClientSampleId :

HR-4-071823

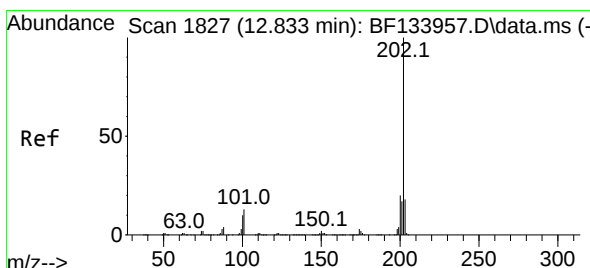
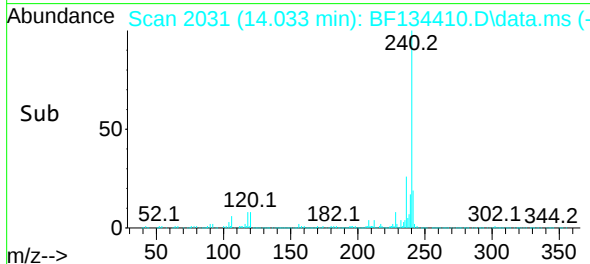
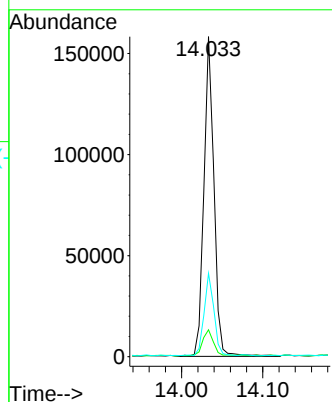
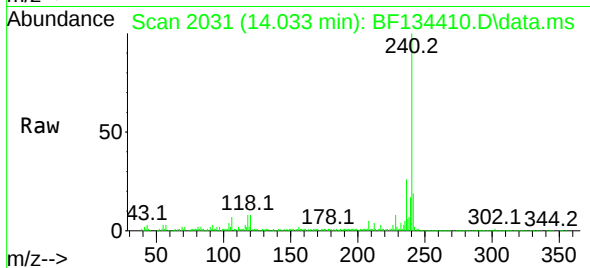
Tgt Ion:240 Resp: 13656
Ion Ratio Lower Upper
240 100
120 8.4 7.4 11.0
236 26.1 21.0 31.6

Manual Integrations

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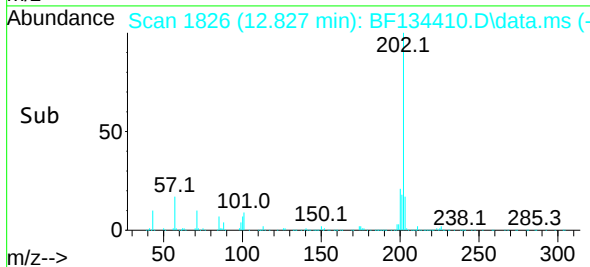
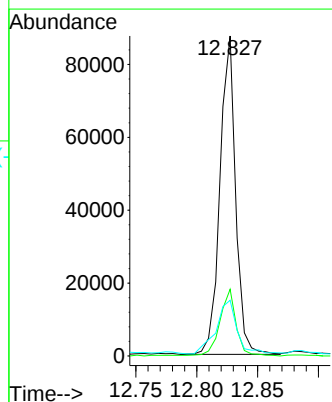
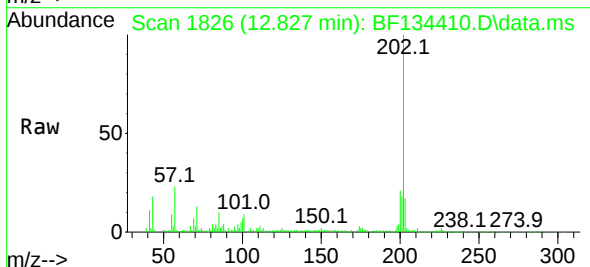
Reviewed By :Yogesh Patel 07/24/2023

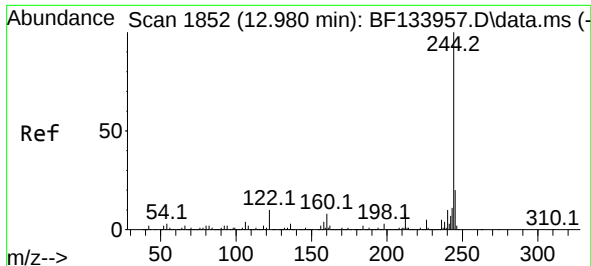
Supervised By :mohammad ahmed 07/24/2023



#78
Pyrene
Concen: 6.181 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF134410.D
Acq: 21 Jul 2023 20:09

Tgt Ion:202 Resp: 78551
Ion Ratio Lower Upper
202 100
200 20.8 16.1 24.1
203 17.4 14.3 21.5





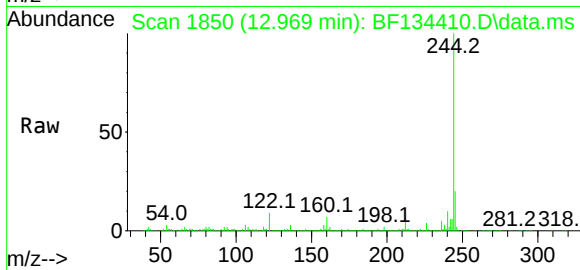
#79
 Terphenyl-d14
 Concen: 49.678 ng
 RT: 12.969 min Scan# 1850
 Delta R.T. -0.006 min
 Lab File: BF134410.D
 Acq: 21 Jul 2023 20:09

Instrument :

BNA_F

ClientSampleId :

HR-4-071823

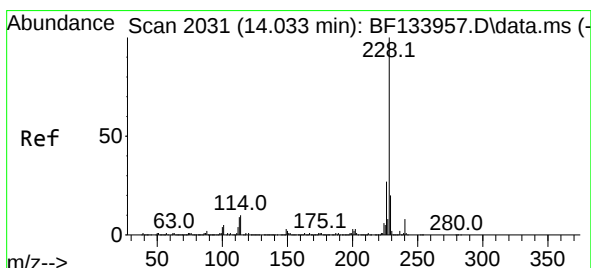
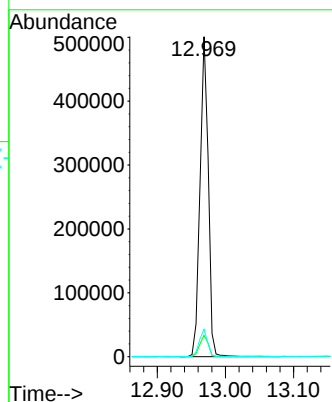
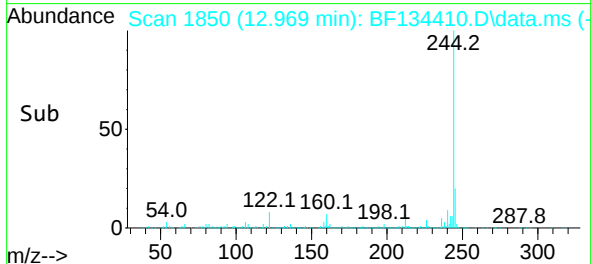


Tgt Ion:244 Resp: 421539
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 8.5 8.3 12.5

Manual Integrations

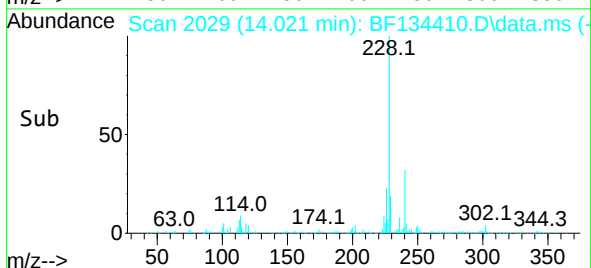
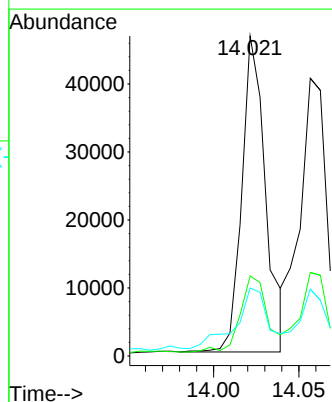
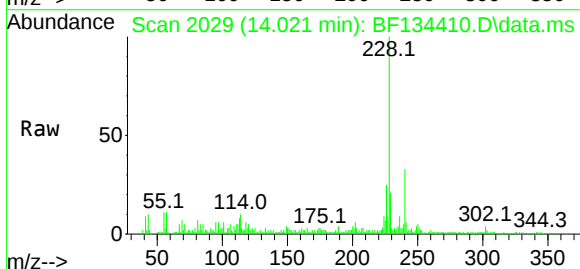
APPROVED

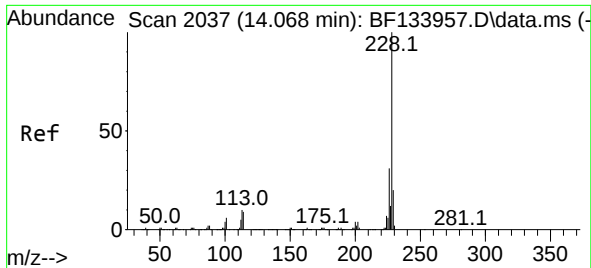
Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :mohammad ahmed 07/24/2023



#81
 Benzo(a)anthracene
 Concen: 4.768 ng
 RT: 14.021 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: BF134410.D
 Acq: 21 Jul 2023 20:09

Tgt Ion:228 Resp: 45158
 Ion Ratio Lower Upper
 228 100
 226 25.0 22.0 33.0
 229 21.3 16.3 24.5





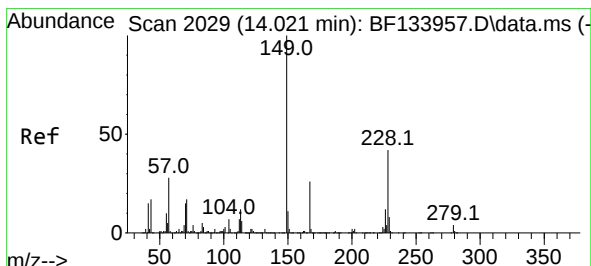
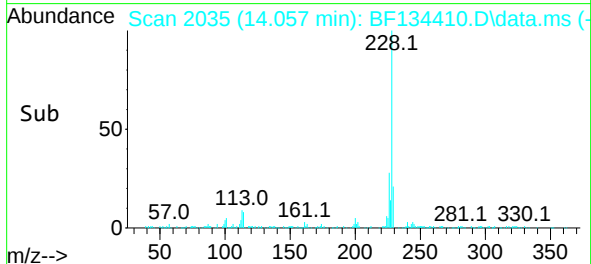
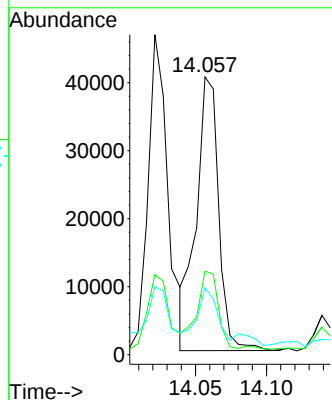
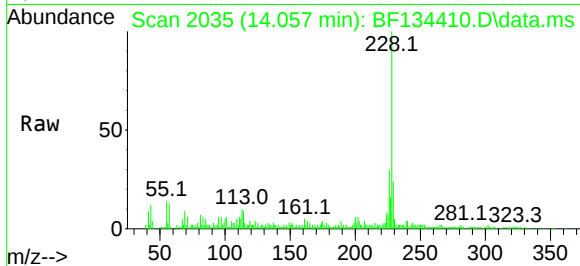
#83
Chrysene
Concen: 4.855 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF134410.D
Acq: 21 Jul 2023 20:09

Instrument :
BNA_F
ClientSampleId :
HR-4-071823

Tgt Ion:228 Resp: 44539
Ion Ratio Lower Upper
228 100
226 30.1 24.4 36.6
229 24.1 16.1 24.1

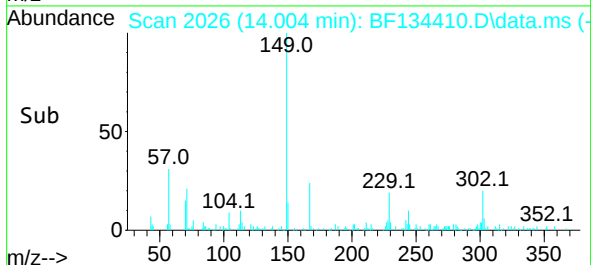
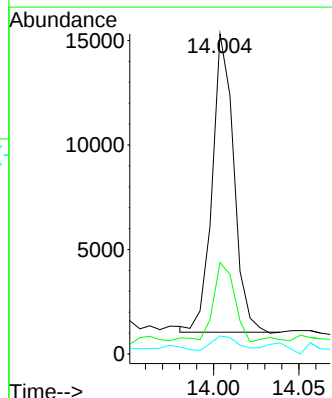
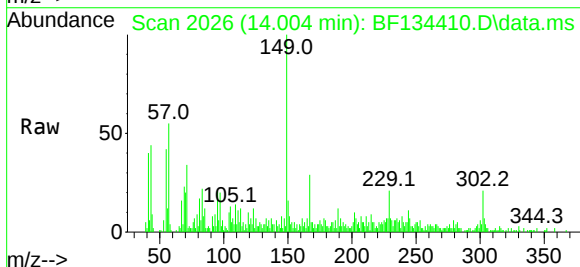
Manual Integrations
APPROVED

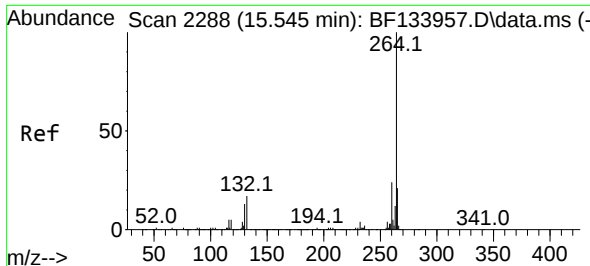
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.297 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF134410.D
Acq: 21 Jul 2023 20:09

Tgt Ion:149 Resp: 12580
Ion Ratio Lower Upper
149 100
167 28.6 21.0 31.4
279 5.6 3.3 4.9#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134410.D
Acq: 21 Jul 2023 20:09

Instrument :

BNA_F

ClientSampleId :

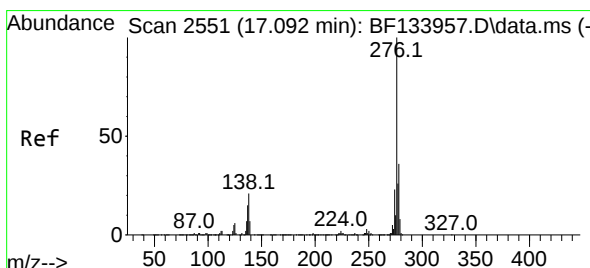
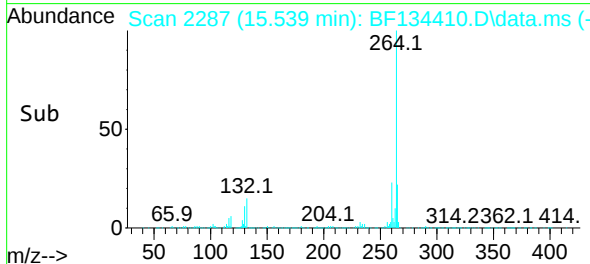
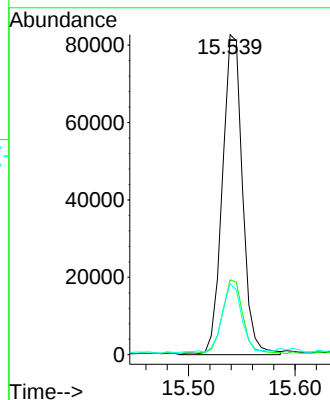
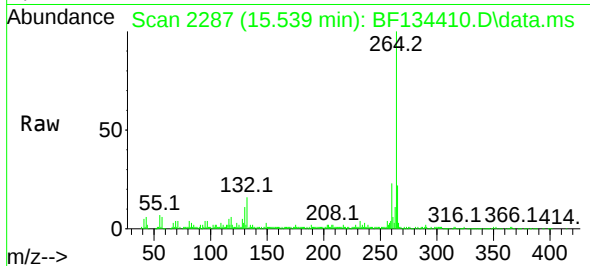
HR-4-071823

Tgt Ion:264 Resp: 108314
Ion Ratio Lower Upper
264 100
260 23.4 19.5 29.3
265 22.2 16.6 25.0

Manual Integrations

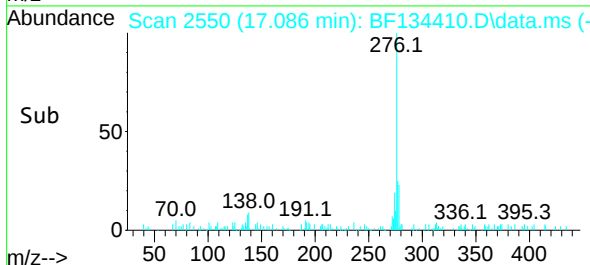
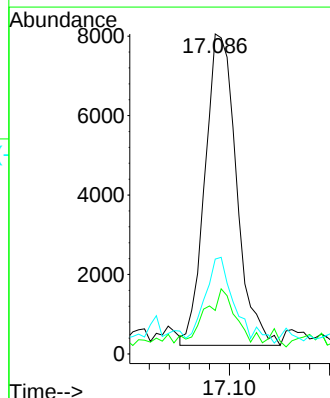
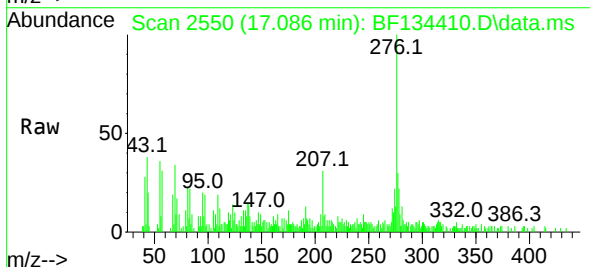
APPROVED

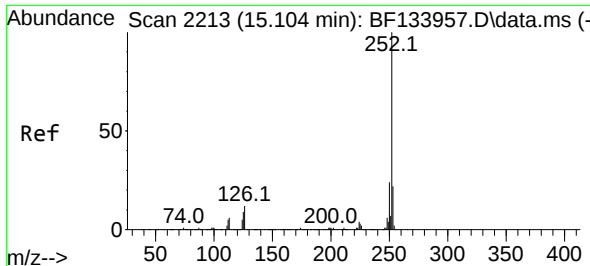
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.272 ng
RT: 17.086 min Scan# 2550
Delta R.T. -0.012 min
Lab File: BF134410.D
Acq: 21 Jul 2023 20:09

Tgt Ion:276 Resp: 17077
Ion Ratio Lower Upper
276 100
138 19.6 18.7 28.1
277 25.8 19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 7.352 ng m
RT: 15.098 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BF134410.D
Acq: 21 Jul 2023 20:09

Instrument :

BNA_F

ClientSampleId :

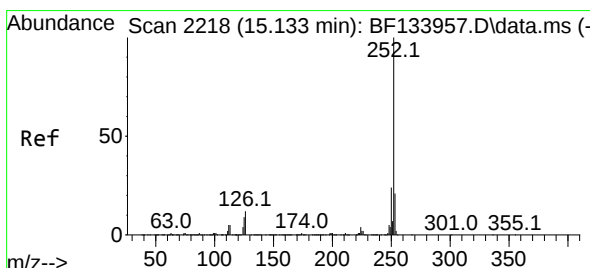
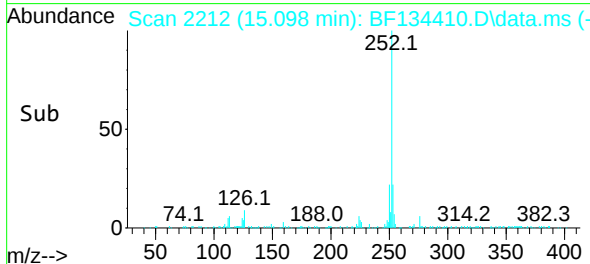
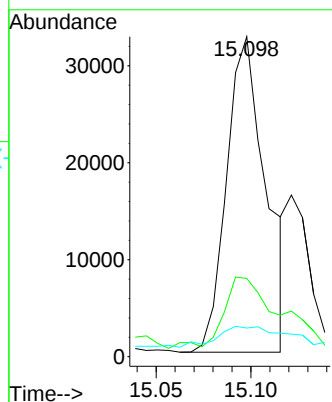
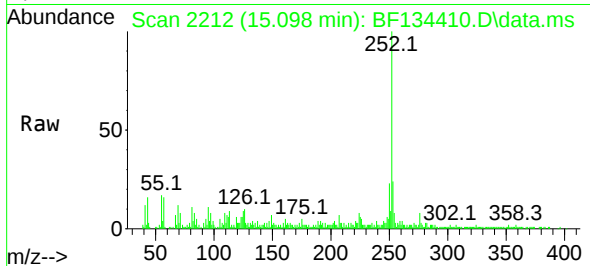
HR-4-071823

Tgt Ion:252 Resp: 46820
Ion Ratio Lower Upper
252 100
253 24.5 17.4 26.0
125 9.0 7.1 10.7

Manual Integrations

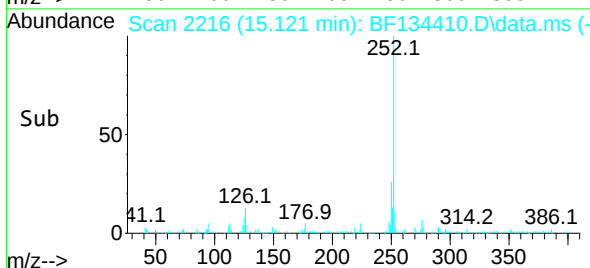
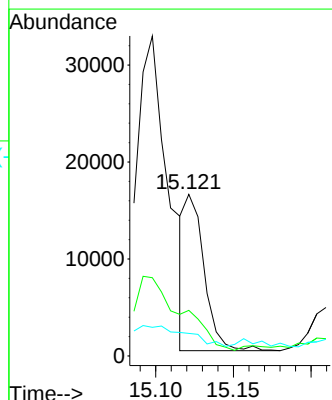
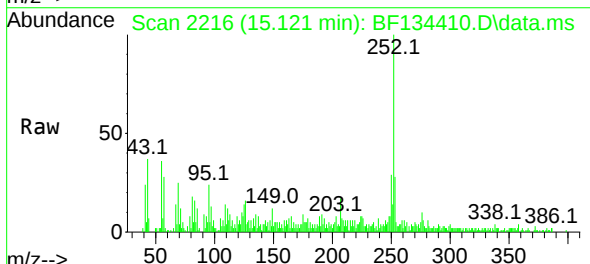
APPROVED

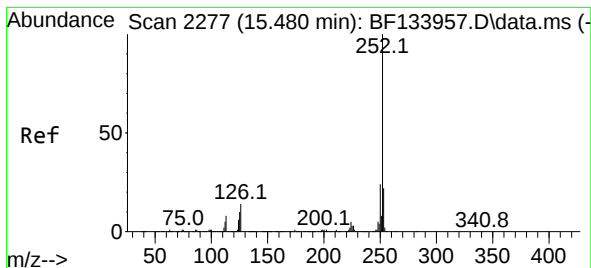
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#89
Benzo(k)fluoranthene
Concen: 2.152 ng m
RT: 15.121 min Scan# 2216
Delta R.T. -0.012 min
Lab File: BF134410.D
Acq: 21 Jul 2023 20:09

Tgt Ion:252 Resp: 13958
Ion Ratio Lower Upper
252 100
253 28.2 16.9 25.3#
125 14.0 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 4.580 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134410.D

Acq: 21 Jul 2023 20:09

Instrument :

BNA_F

ClientSampleId :

HR-4-071823

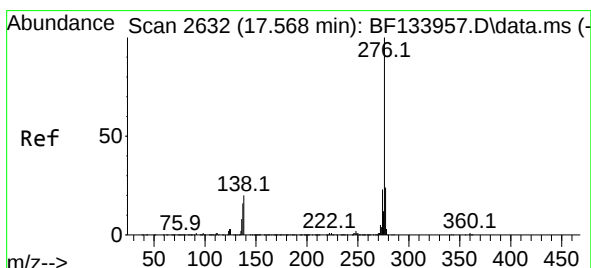
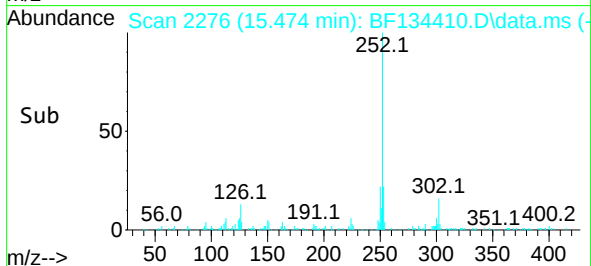
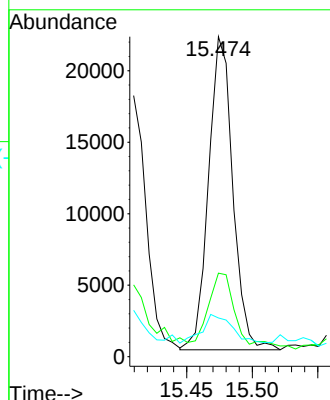
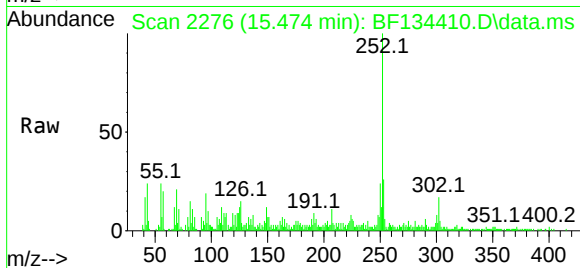
Tgt Ion:	252	Resp:	28200
Ion Ratio	Lower	Upper	
252	100		
253	26.1	17.4	26.0
125	12.1	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/24/2023

Supervised By :mohammad ahmed 07/24/2023



#92

Benzo(g,h,i)perylene

Concen: 2.598 ng

RT: 17.562 min Scan# 2631

Delta R.T. -0.006 min

Lab File: BF134410.D

Acq: 21 Jul 2023 20:09

Tgt Ion:	276	Resp:	16446
Ion Ratio	Lower	Upper	
276	100		
277	24.9	19.0	28.6
138	17.0	16.2	24.2

