

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062923\
 Data File : BF134039.D
 Acq On : 29 Jun 2023 16:22
 Operator : CG\JU
 Sample : 03361-13RE 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-21-23RE

Quant Time: Jun 30 05:59:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 26 23:12:04 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/30/2023
 Supervised By :mohammad ahmed 06/30/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	110367	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	402939	20.000	ng	-0.01
39) Acenaphthene-d10	9.881	164	179583	20.000	ng	-0.01
64) Phenanthrene-d10	11.375	188	321168	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	223917	20.000	ng	0.00
86) Perylene-d12	15.545	264	208543	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	124555	18.878	ng	0.00
7) Phenol-d6	6.475	99	157663	19.431	ng	-0.02
23) Nitrobenzene-d5	7.404	82	99758	13.346	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	18922	8.404	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	209960	16.998	ng	-0.01
79) Terphenyl-d14	12.974	244	200900	14.440	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.145	128	42790	2.199	ng	97
71) Phenanthrene	11.404	178	177693	10.990	ng	98
72) Anthracene	11.451	178	56195	3.342	ng	98
75) Fluoranthene	12.598	202	410566	23.489	ng	99
78) Pyrene	12.833	202	394032	18.909	ng	98
81) Benzo(a)anthracene	14.027	228	190114	12.242	ng	99
83) Chrysene	14.063	228	161027	10.706	ng	98
87) Indeno(1,2,3-cd)pyrene	17.086	276	75656	5.228	ng	98
88) Benzo(b)fluoranthene	15.098	252	191362m	15.605	ng	
89) Benzo(k)fluoranthene	15.127	252	73681m	5.902	ng	
90) Benzo(a)pyrene	15.474	252	135992	11.469	ng	97
92) Benzo(g,h,i)perylene	17.551	276	60068	4.928	ng	96

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

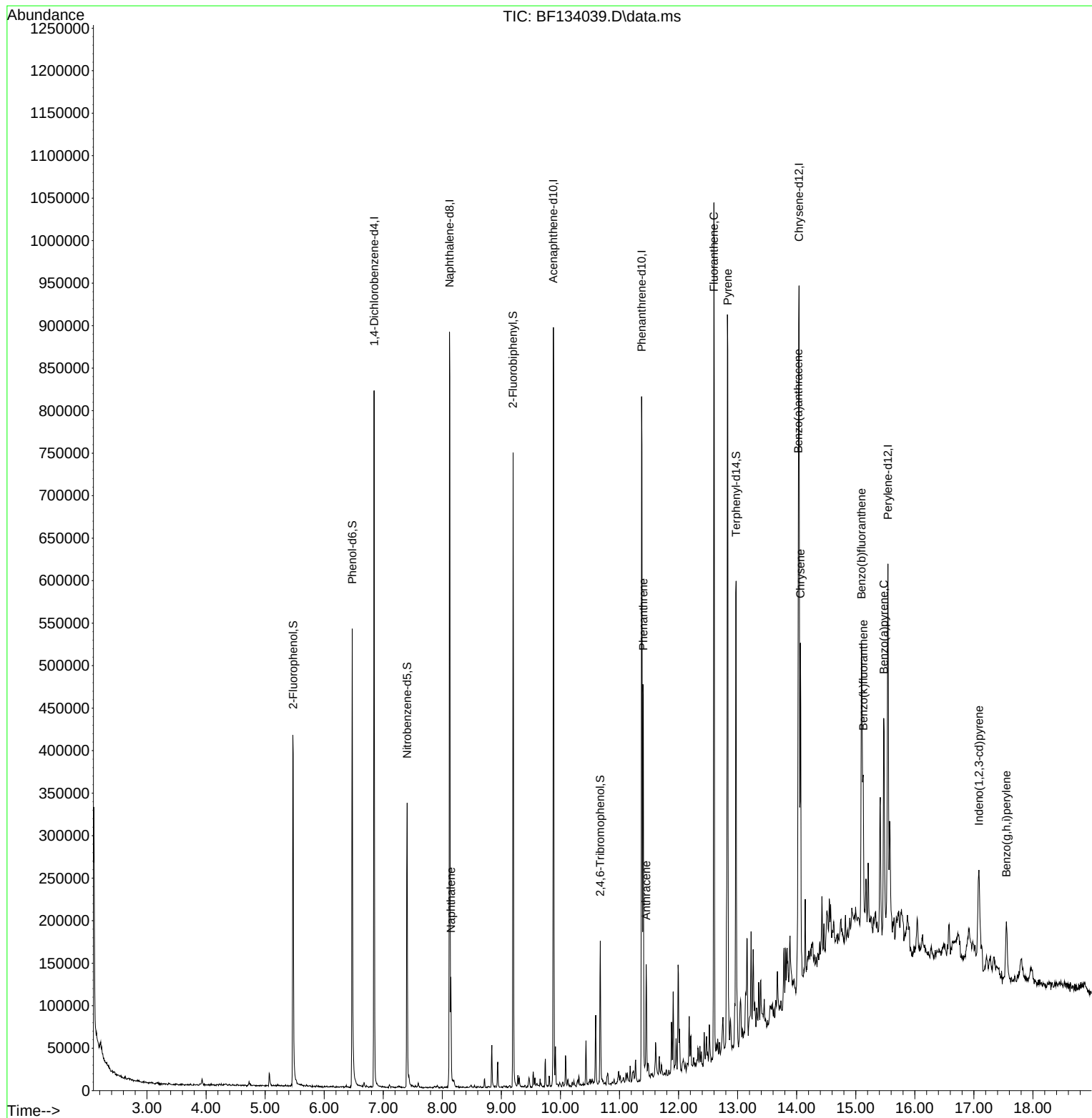
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062923\
Data File : BF134039.D
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ALS Vial : 13 Sample Multiplier: 1

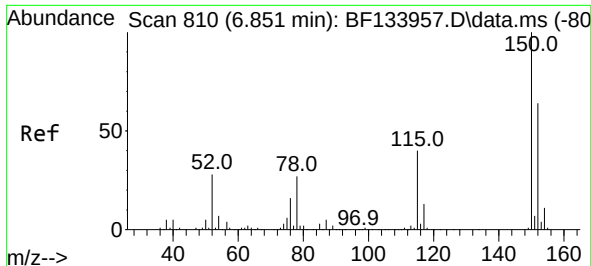
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Quant Time: Jun 30 05:59:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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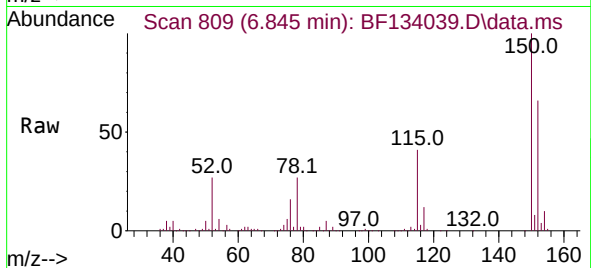
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF134039.D
Acq: 29 Jun 2023 16:22

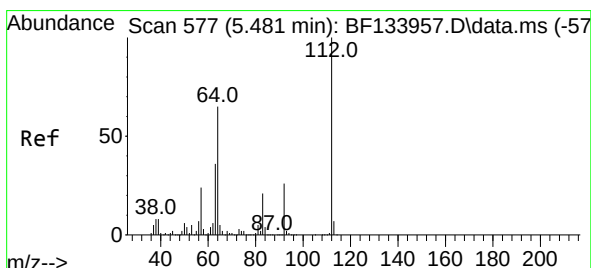
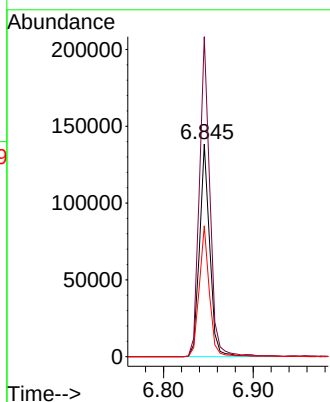
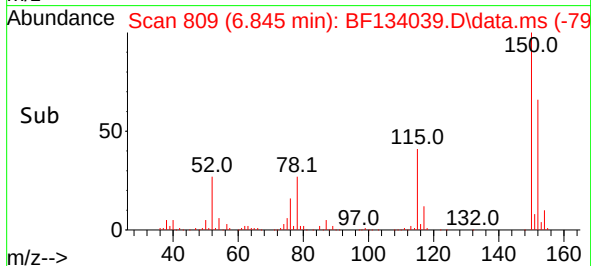
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-21-23RE



Tgt Ion:152 Resp: 11036
Ion Ratio Lower Upper
152 100
150 150.5 124.5 186.7
115 61.6 50.2 75.2

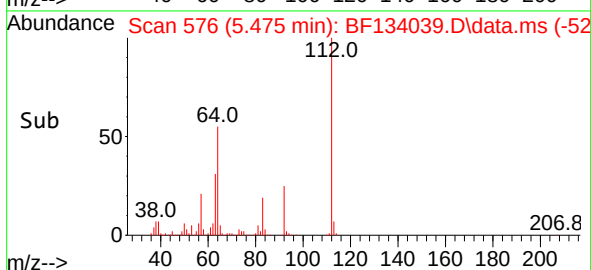
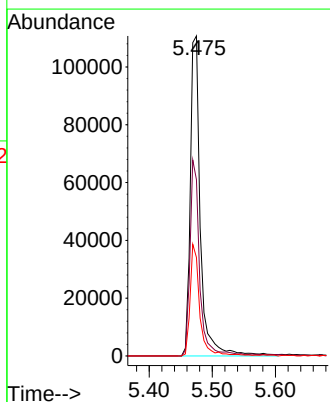
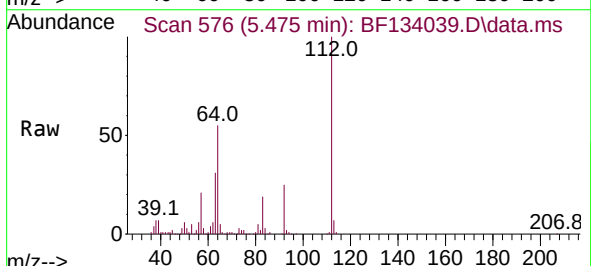
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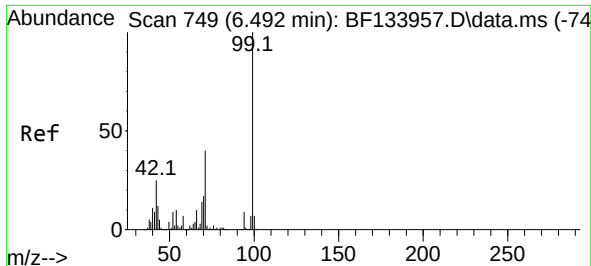
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#5
2-Fluorophenol
Concen: 18.878 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF134039.D
Acq: 29 Jun 2023 16:22

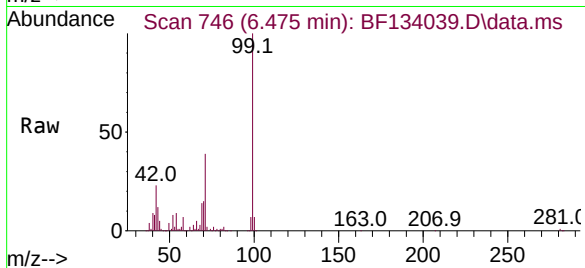
Tgt Ion:112 Resp: 124555
Ion Ratio Lower Upper
112 100
64 55.1 52.1 78.1
63 30.8 28.6 42.8





#7
Phenol-d6
Concen: 19.431 ng
RT: 6.475 min Scan# 749
Delta R.T. -0.017 min
Lab File: BF134039.D
Acq: 29 Jun 2023 16:22

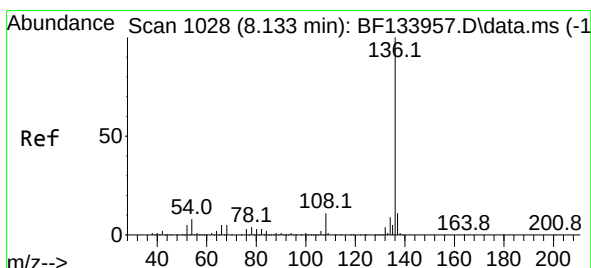
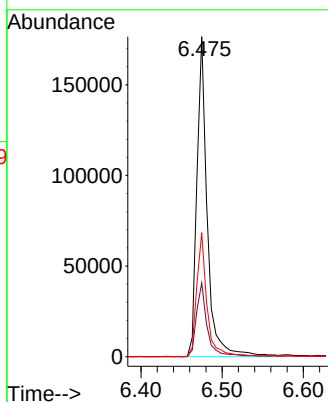
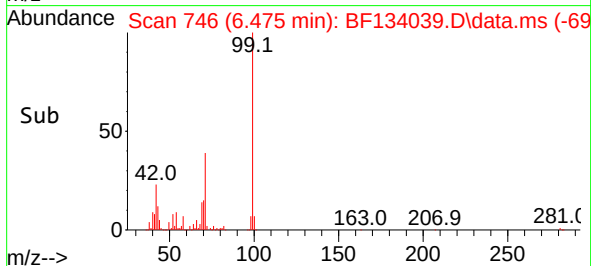
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-21-23RE



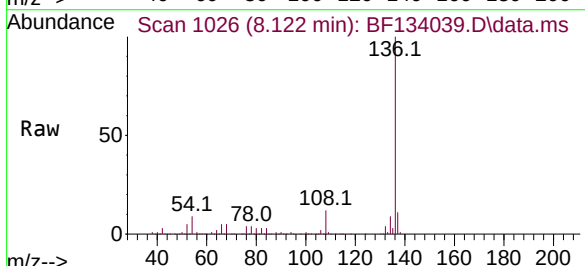
Tgt Ion: 99 Resp: 15766
Ion Ratio Lower Upper
99 100
42 23.0 19.8 29.6
71 38.8 31.9 47.9

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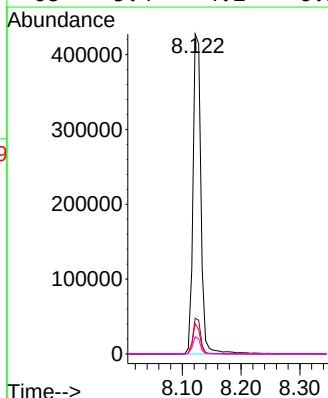
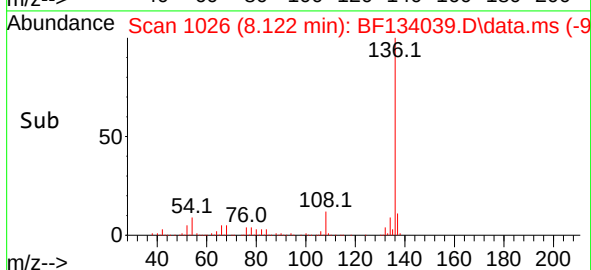
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023

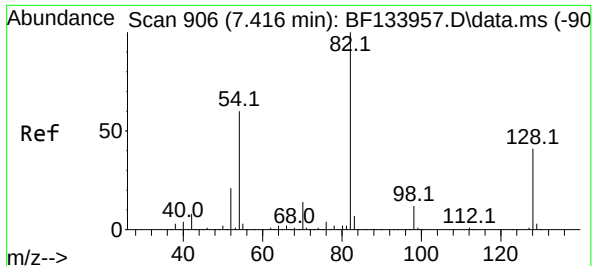


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134039.D
Acq: 29 Jun 2023 16:22



Tgt Ion:136 Resp: 402939
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 9.5 6.5 9.7
68 5.4 4.2 6.2





#23

Nitrobenzene-d5

Concen: 13.346 ng

RT: 7.404 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF134039.D

Acq: 29 Jun 2023 16:22

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-21-23RE

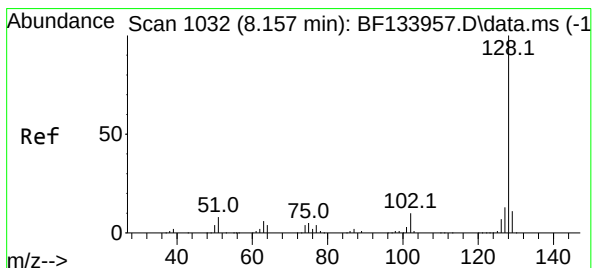
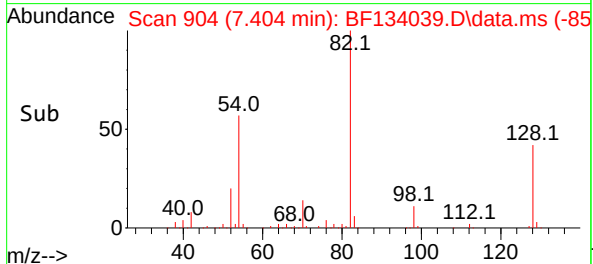
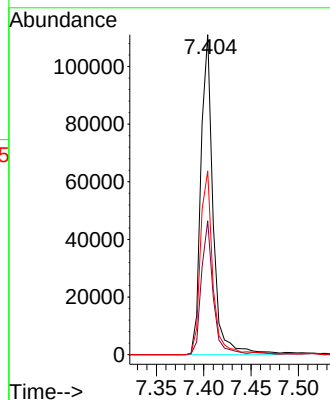
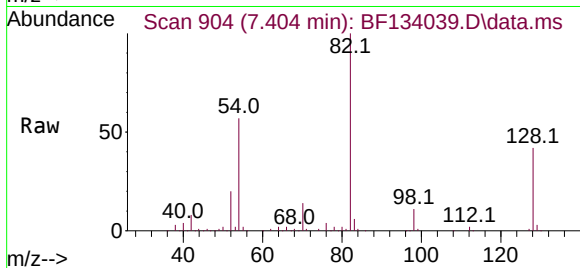
Tgt Ion: 82 Resp: 99758
 Ion Ratio Lower Upper
 82 100
 128 41.8 32.5 48.7
 54 57.4 48.2 72.2

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Supervised By :mohammad ahmed 06/30/2023



#31

Naphthalene

Concen: 2.199 ng

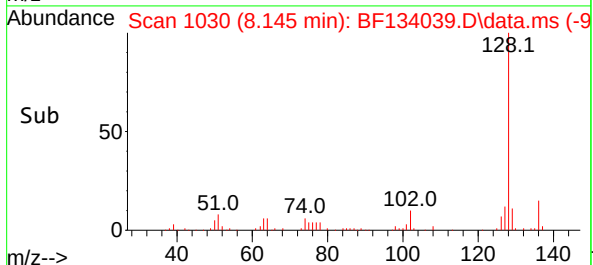
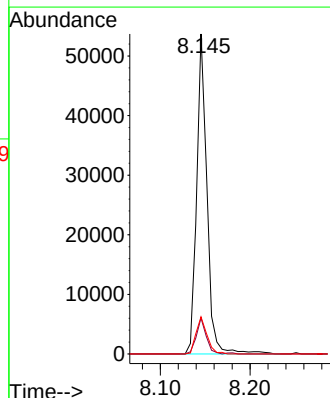
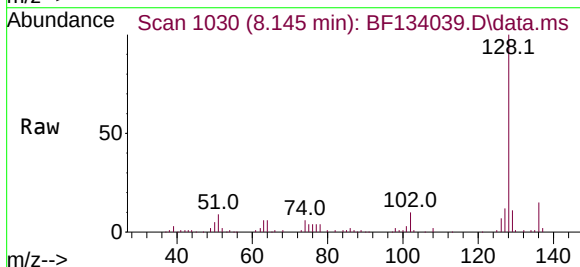
RT: 8.145 min Scan# 1030

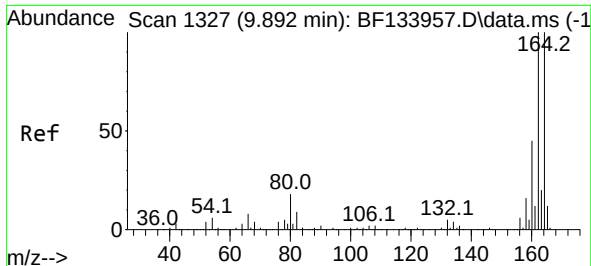
Delta R.T. -0.012 min

Lab File: BF134039.D

Acq: 29 Jun 2023 16:22

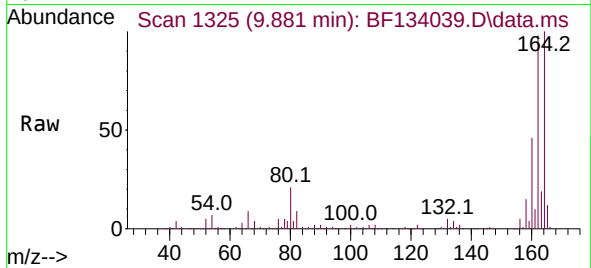
Tgt Ion:128 Resp: 42790
 Ion Ratio Lower Upper
 128 100
 129 11.3 8.7 13.1
 127 11.6 10.6 15.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134039.D
Acq: 29 Jun 2023 16:22

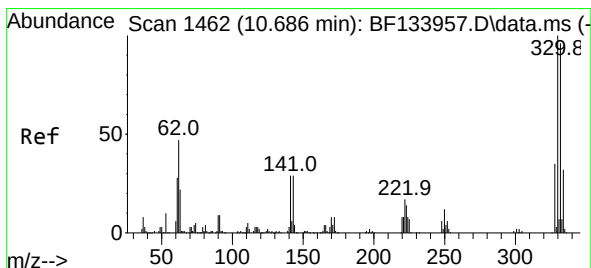
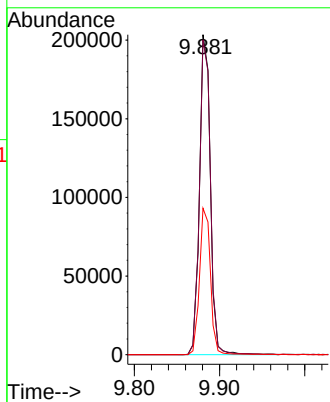
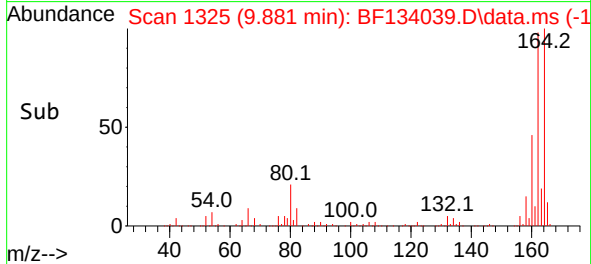
Instrument :
BNA_F
ClientSampleId :
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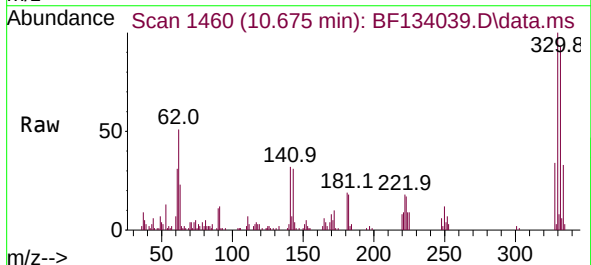
Tgt Ion:164 Resp: 17958
Ion Ratio Lower Upper
164 100
162 98.4 80.0 120.0
160 45.7 35.9 53.9

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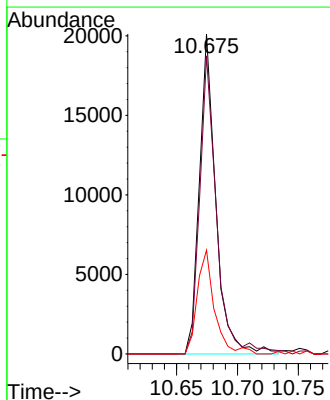
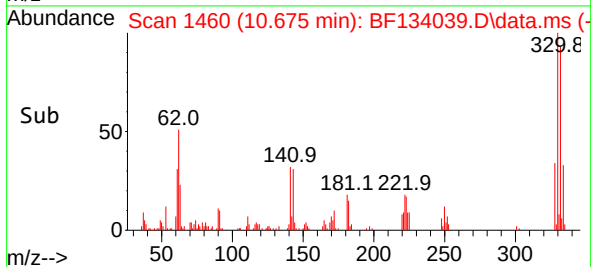
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023

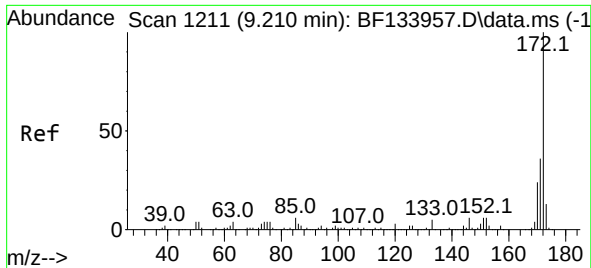


#42
2,4,6-Tribromophenol
Concen: 8.404 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF134039.D
Acq: 29 Jun 2023 16:22



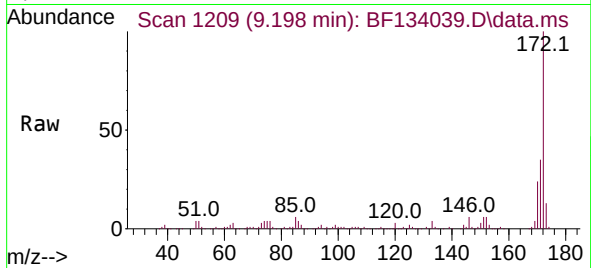
Tgt Ion:330 Resp: 18922
Ion Ratio Lower Upper
330 100
332 95.1 77.0 115.6
141 34.0 26.3 39.5





#45
2-Fluorobiphenyl
Concen: 16.998 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134039.D
Acq: 29 Jun 2023 16:22

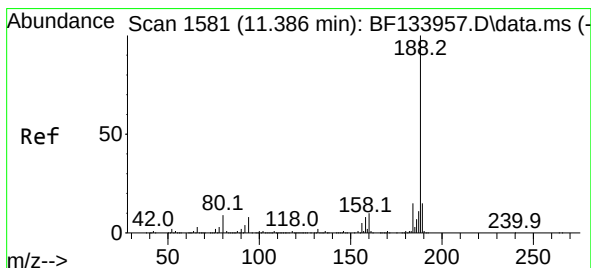
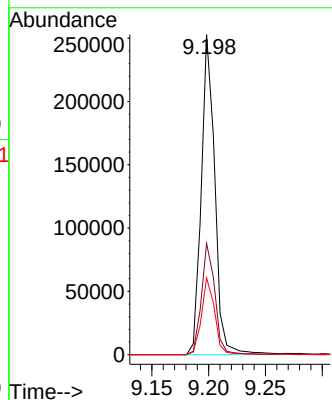
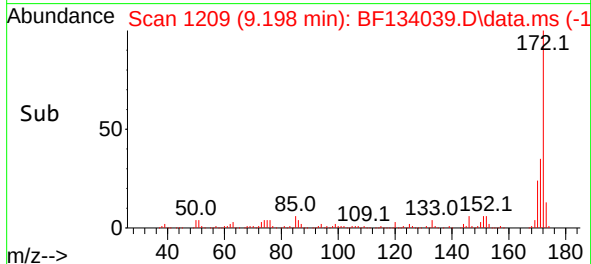
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-21-23RE



Tgt Ion:172 Resp: 209960
Ion Ratio Lower Upper
172 100
171 34.8 28.6 43.0
170 24.0 19.4 29.0

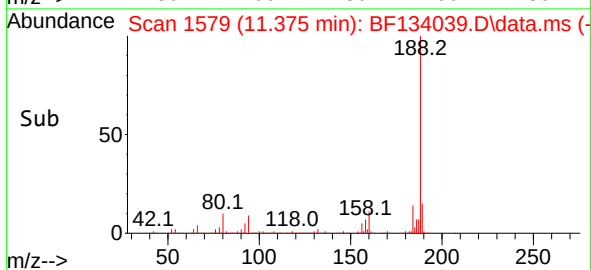
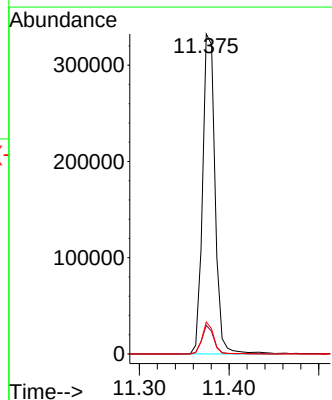
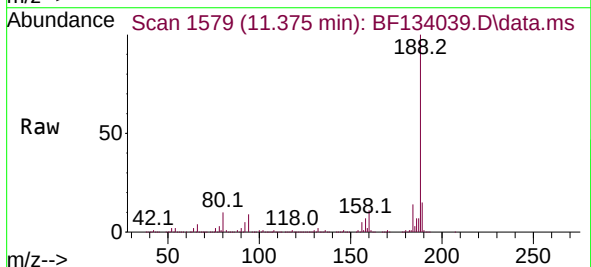
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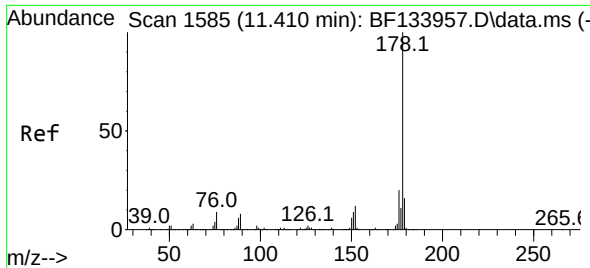
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF134039.D
Acq: 29 Jun 2023 16:22

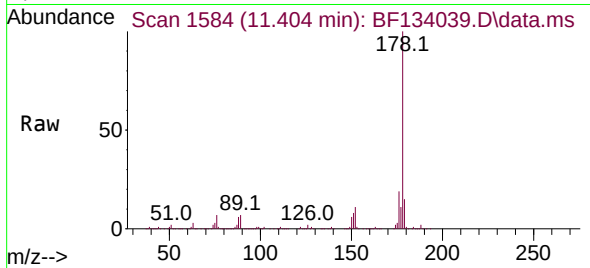
Tgt Ion:188 Resp: 321168
Ion Ratio Lower Upper
188 100
94 8.9 6.4 9.6
80 10.0 7.3 10.9





#71
Phenanthrene
Concen: 10.990 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134039.D
Acq: 29 Jun 2023 16:22

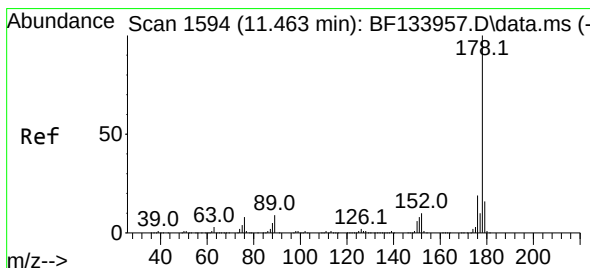
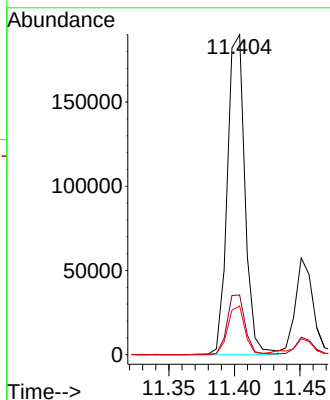
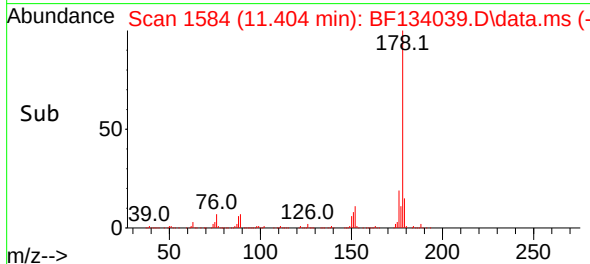
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-21-23RE



Tgt Ion:178 Resp: 17769
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 15.2 12.4 18.6

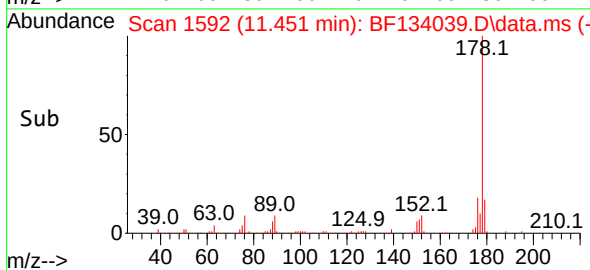
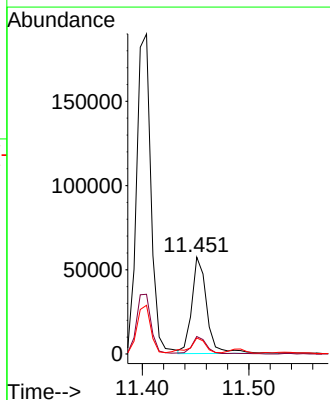
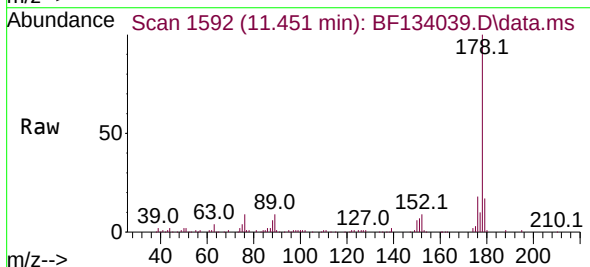
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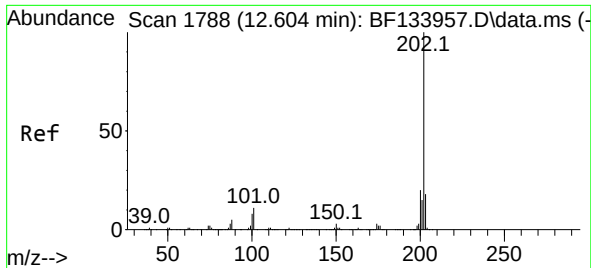
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#72
Anthracene
Concen: 3.342 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.012 min
Lab File: BF134039.D
Acq: 29 Jun 2023 16:22

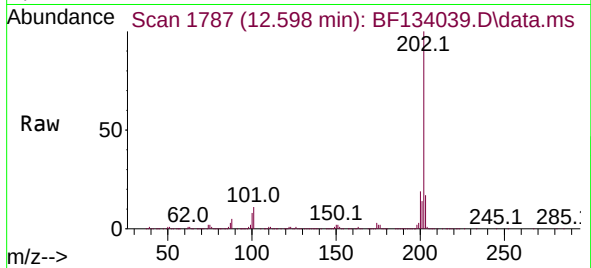
Tgt Ion:178 Resp: 56195
Ion Ratio Lower Upper
178 100
176 18.0 15.3 22.9
179 16.5 12.4 18.6





#75
Fluoranthene
Concen: 23.489 ng
RT: 12.598 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134039.D
Acq: 29 Jun 2023 16:22

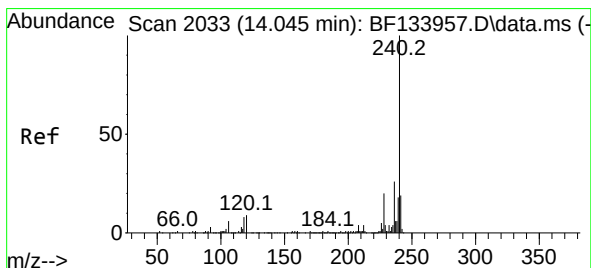
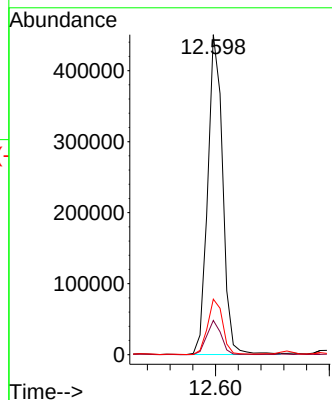
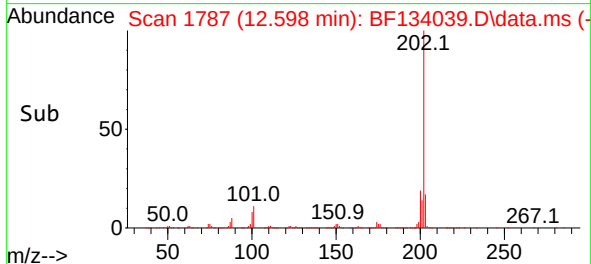
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-21-23RE



Tgt Ion:202 Resp: 410560
Ion Ratio Lower Upper
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101 10.7 0.0 31.0
203 17.3 0.0 37.6

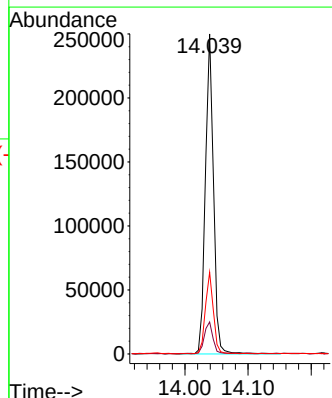
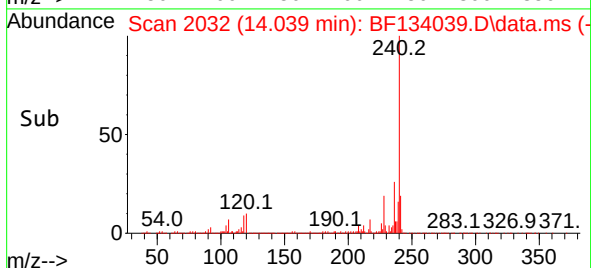
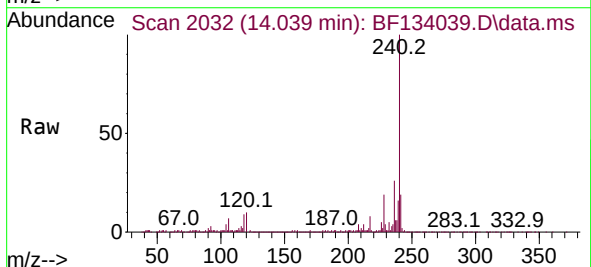
Manual Integrations
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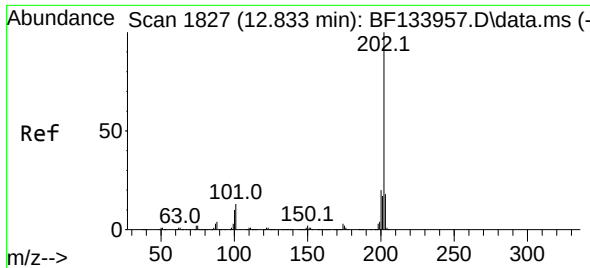
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF134039.D
Acq: 29 Jun 2023 16:22

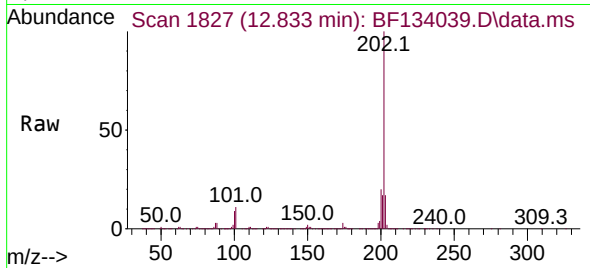
Tgt Ion:240 Resp: 223917
Ion Ratio Lower Upper
240 100
120 10.0 7.4 11.0
236 25.6 21.0 31.6





#78
 Pyrene
 Concen: 18.909 ng
 RT: 12.833 min Scan# 1827
 Delta R.T. 0.000 min
 Lab File: BF134039.D
 Acq: 29 Jun 2023 16:22

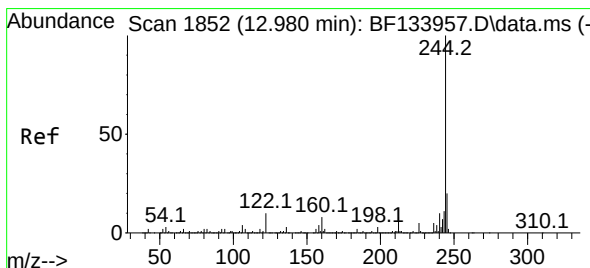
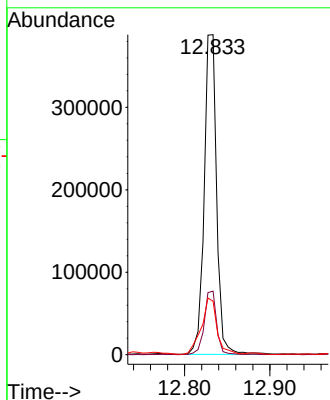
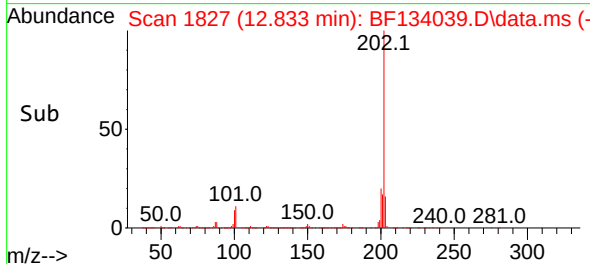
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-21-23RE



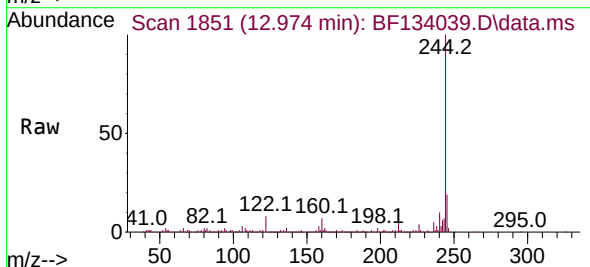
Tgt Ion:202 Resp: 394032
 Ion Ratio Lower Upper
 202 100
 200 19.8 16.1 24.1
 203 16.7 14.3 21.5

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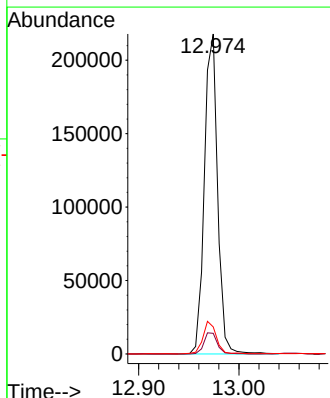
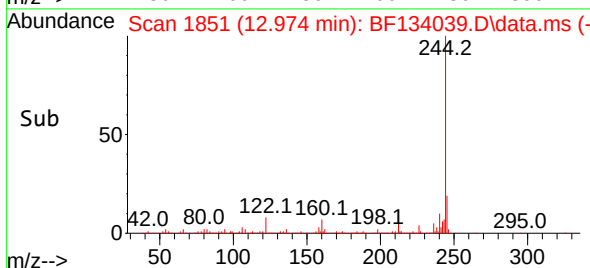
Reviewed By :Yogesh Patel 06/30/2023
 Supervised By :mohammad ahmed 06/30/2023

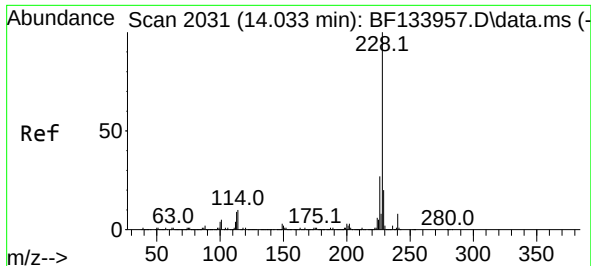


#79
 Terphenyl-d14
 Concen: 14.440 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF134039.D
 Acq: 29 Jun 2023 16:22



Tgt Ion:244 Resp: 200900
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.0 9.0
 122 8.5 8.3 12.5





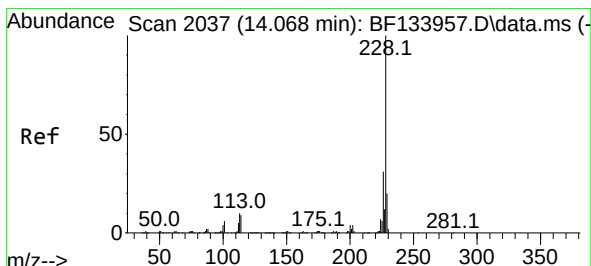
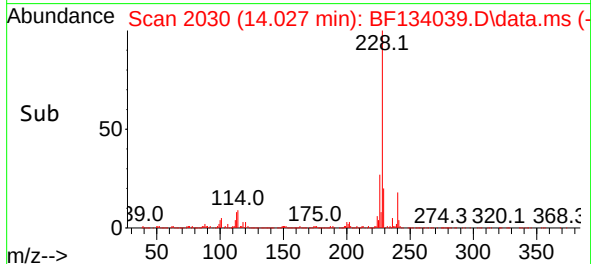
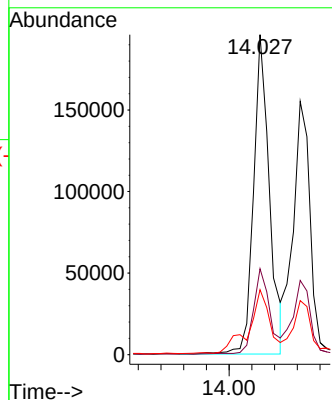
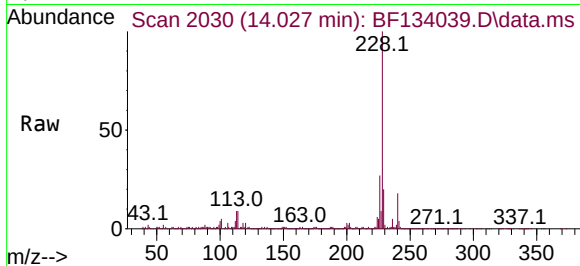
#81
Benzo(a)anthracene
Concen: 12.242 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF134039.D
Acq: 29 Jun 2023 16:22

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-21-23RE

Tgt Ion:228 Resp: 190114
Ion Ratio Lower Upper
228 100
226 26.9 22.0 33.0
229 20.3 16.3 24.5

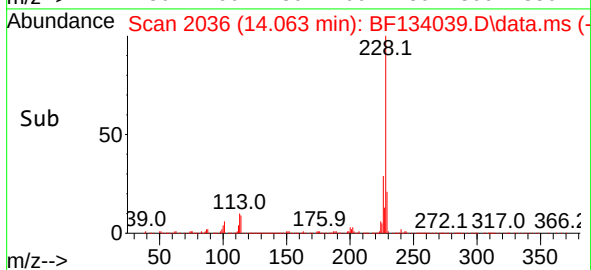
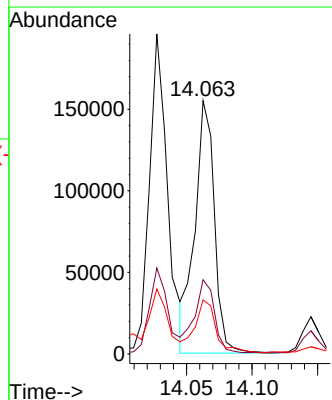
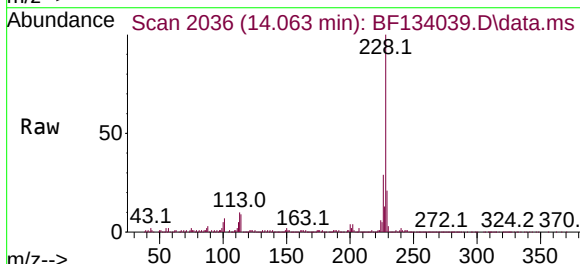
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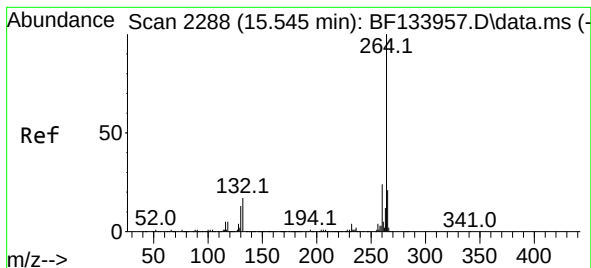
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#83
Chrysene
Concen: 10.706 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF134039.D
Acq: 29 Jun 2023 16:22

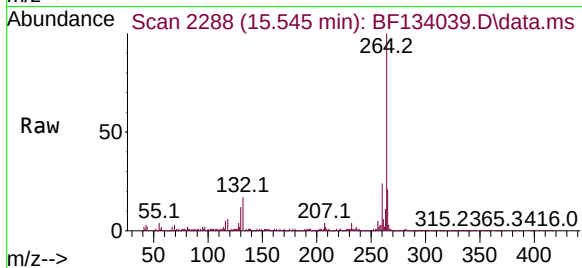
Tgt Ion:228 Resp: 161027
Ion Ratio Lower Upper
228 100
226 29.3 24.4 36.6
229 21.3 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF134039.D
Acq: 29 Jun 2023 16:22

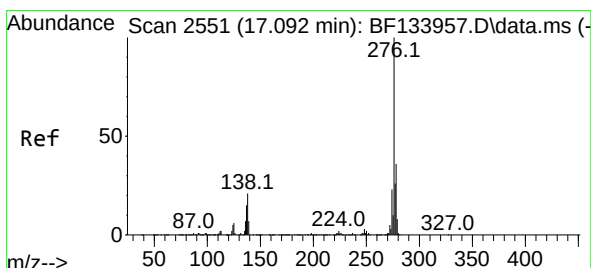
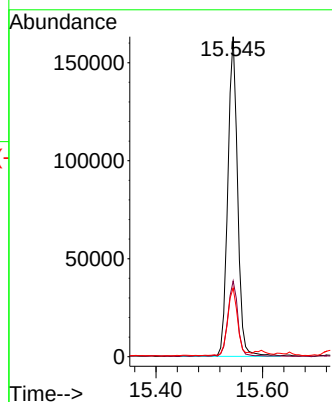
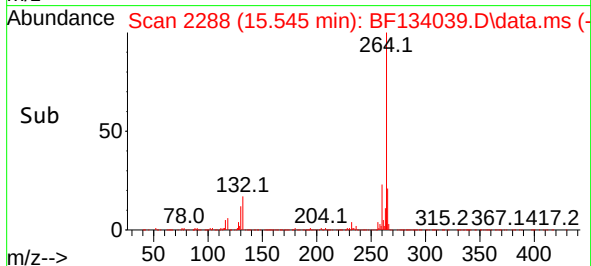
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-21-23RE



Tgt Ion:264 Resp: 20854
Ion Ratio Lower Upper
264 100
260 23.6 19.5 29.3
265 21.5 16.6 25.0

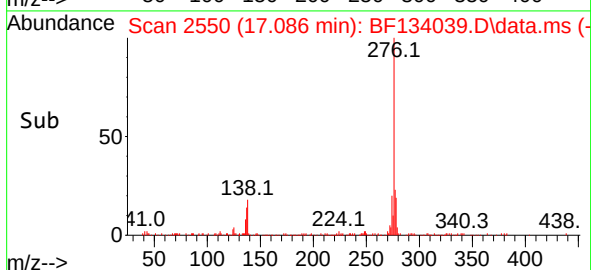
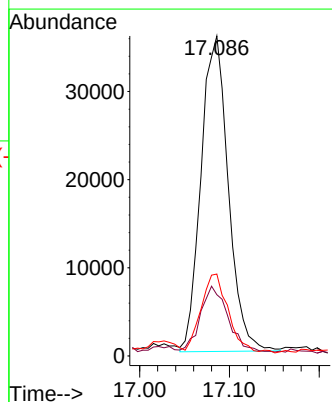
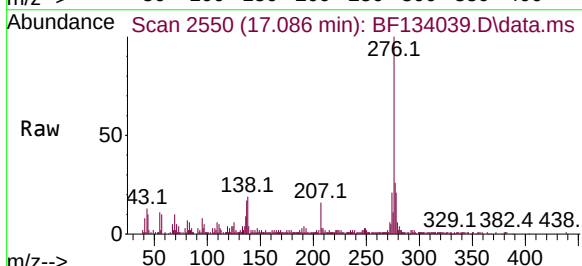
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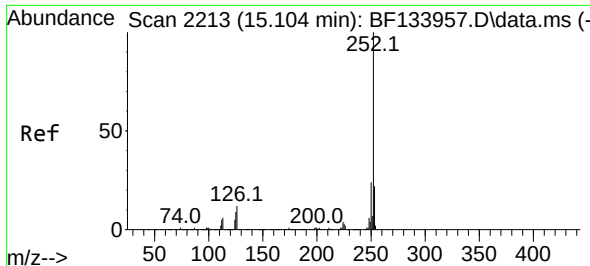
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.228 ng
RT: 17.086 min Scan# 2550
Delta R.T. -0.006 min
Lab File: BF134039.D
Acq: 29 Jun 2023 16:22

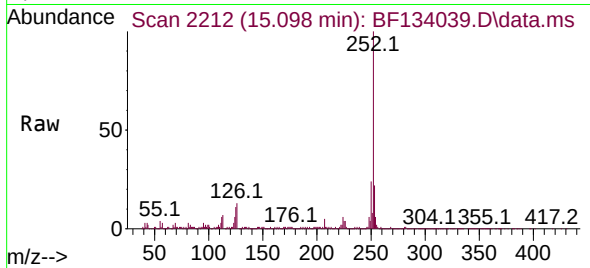
Tgt Ion:276 Resp: 75656
Ion Ratio Lower Upper
276 100
138 22.3 18.7 28.1
277 23.8 19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 15.605 ng m
RT: 15.098 min Scan# 2213
Delta R.T. -0.006 min
Lab File: BF134039.D
Acq: 29 Jun 2023 16:22

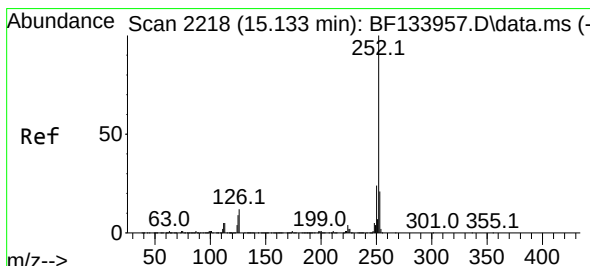
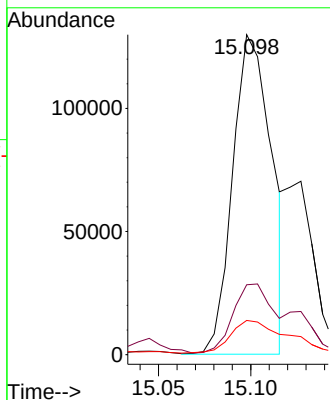
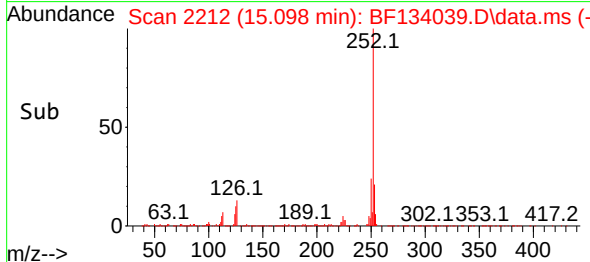
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-21-23RE



Tgt Ion:252 Resp: 191362
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.0
125 10.7 7.1 10.7

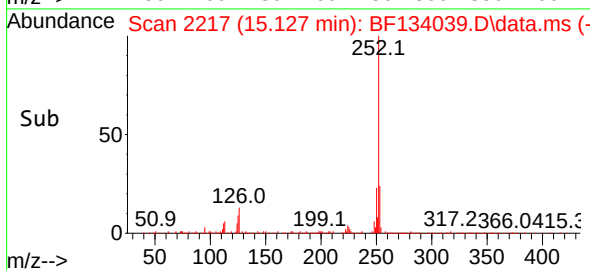
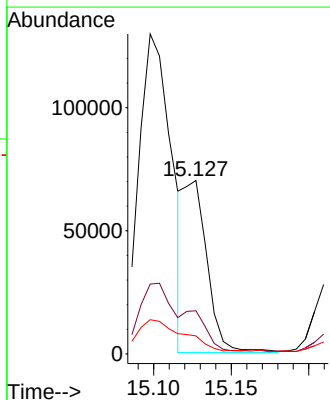
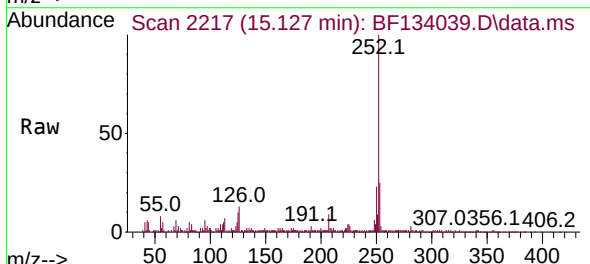
Manual Integrations
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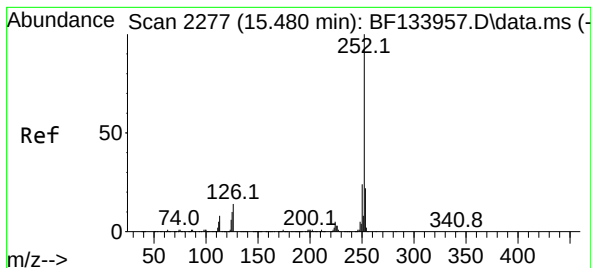
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#89
Benzo(k)fluoranthene
Concen: 5.902 ng m
RT: 15.127 min Scan# 2217
Delta R.T. -0.006 min
Lab File: BF134039.D
Acq: 29 Jun 2023 16:22

Tgt Ion:252 Resp: 73681
Ion Ratio Lower Upper
252 100
253 24.9 16.9 25.3
125 10.4 7.4 11.2





#90

Benzo(a)pyrene

Concen: 11.469 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134039.D

Acq: 29 Jun 2023 16:22

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-21-23RE

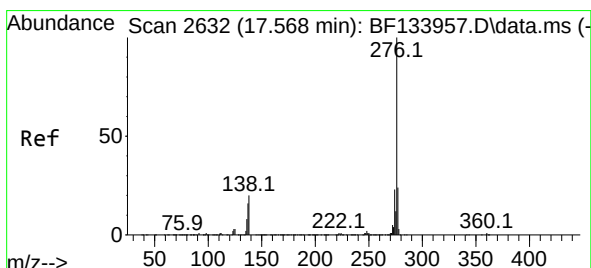
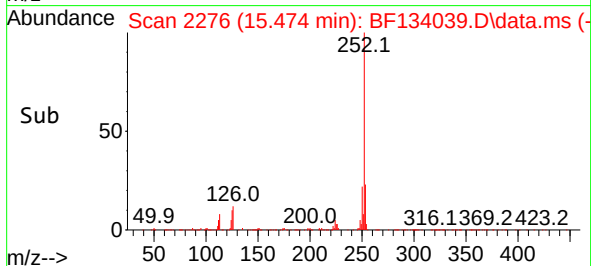
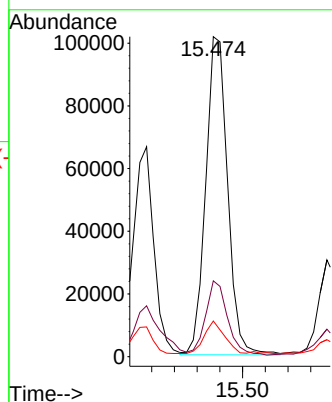
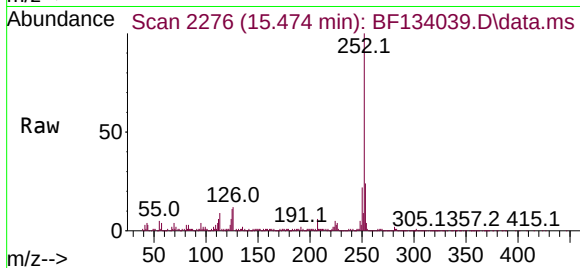
Tgt Ion:	252	Resp:	135992
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.4	26.0
125	11.2	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/30/2023

Supervised By :mohammad ahmed 06/30/2023



#92

Benzo(g,h,i)perylene

Concen: 4.928 ng

RT: 17.551 min Scan# 2629

Delta R.T. -0.017 min

Lab File: BF134039.D

Acq: 29 Jun 2023 16:22

Tgt Ion:	276	Resp:	60068
Ion Ratio	Lower	Upper	
276	100		
277	27.0	19.0	28.6
138	20.6	16.2	24.2

