

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
 Data File : BF134409.D
 Acq On : 21 Jul 2023 19:36
 Operator : CG\JU
 Sample : 03639-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP3

Manual Integrations
 APPROVED

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

Quant Time: Jul 21 19:58:30 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	6.834	152	56424	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	208665	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	100120	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	165384	20.000	ng	0.00
76) Chrysene-d12	14.033	240	123434	20.000	ng	0.00
86) Perylene-d12	15.545	264	113931	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	233380	69.189	ng	0.00
7) Phenol-d6	6.475	99	279519	67.383	ng	-0.01
23) Nitrobenzene-d5	7.398	82	188385	48.666	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	83978	66.899	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	341823	49.638	ng	-0.01
79) Terphenyl-d14	12.963	244	272574	35.540	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	336655	40.436	ng	99
72) Anthracene	11.445	178	53794m	6.212	ng	
73) Carbazole	11.604	167	18219	2.299	ng	# 92
75) Fluoranthene	12.598	202	672350	74.698	ng	96
78) Pyrene	12.827	202	543575	47.320	ng	100
81) Benzo(a)anthracene	14.021	228	275505	32.184	ng	99
83) Chrysene	14.063	228	297702	35.905	ng	98
87) Indeno(1,2,3-cd)pyrene	17.092	276	125497	15.874	ng	# 91
88) Benzo(b)fluoranthene	15.098	252	366994m	54.781	ng	
89) Benzo(k)fluoranthene	15.127	252	130140m	19.080	ng	
90) Benzo(a)pyrene	15.480	252	225025m	34.736	ng	
91) Dibenzo(a,h)anthracene	17.098	278	31435m	4.868	ng	
92) Benzo(g,h,i)perylene	17.556	276	113500	17.045	ng	# 94

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

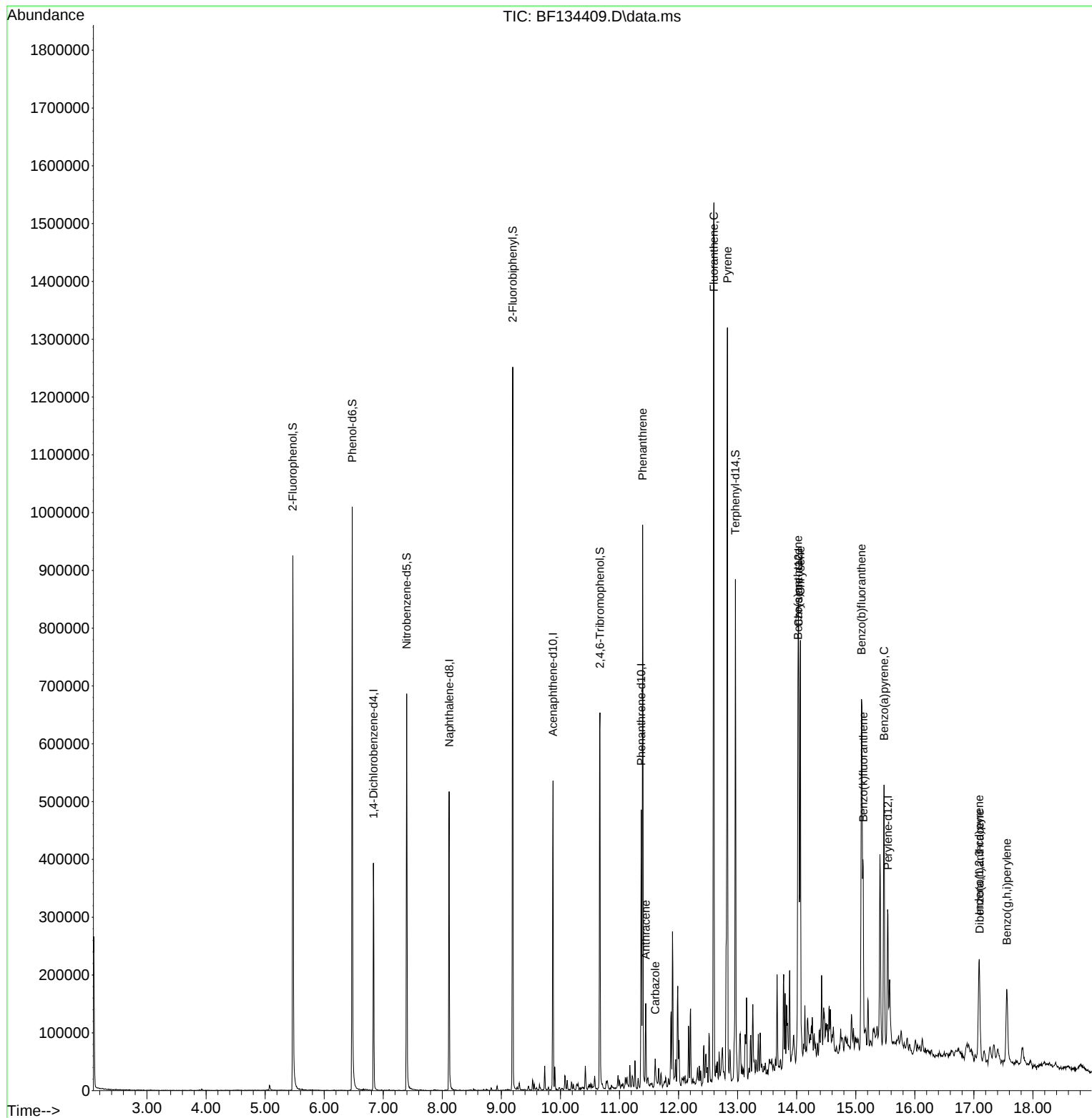
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
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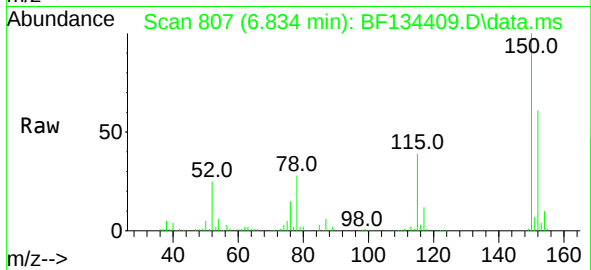
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 807
Delta R.T. -0.011 min
Lab File: BF134409.D
Acq: 21 Jul 2023 19:36

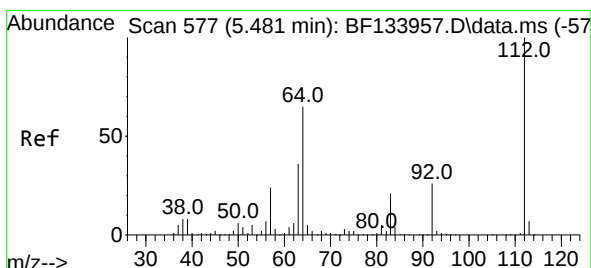
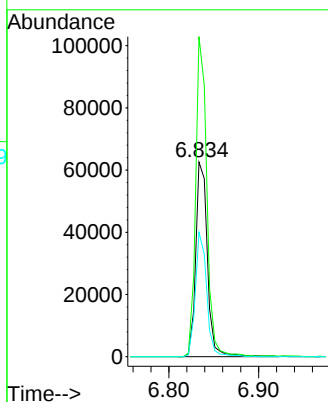
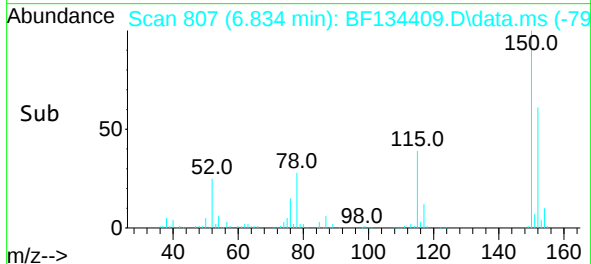
Instrument :
BNA_F
ClientSampleId :
TP3



Tgt Ion:152 Resp: 56424
Ion Ratio Lower Upper
152 100
150 164.5 124.5 186.7
115 64.0 50.2 75.2

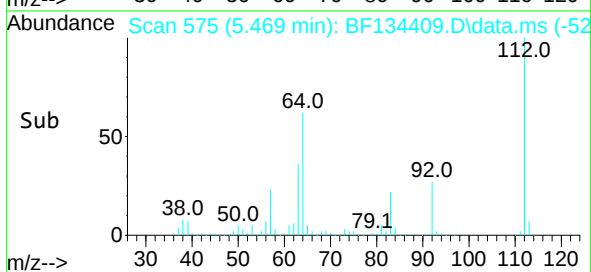
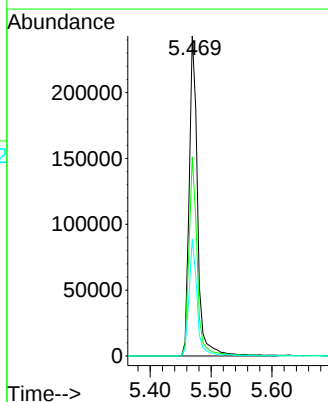
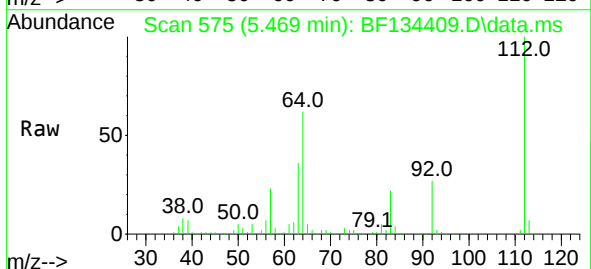
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#5
2-Fluorophenol
Concen: 69.189 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.000 min
Lab File: BF134409.D
Acq: 21 Jul 2023 19:36

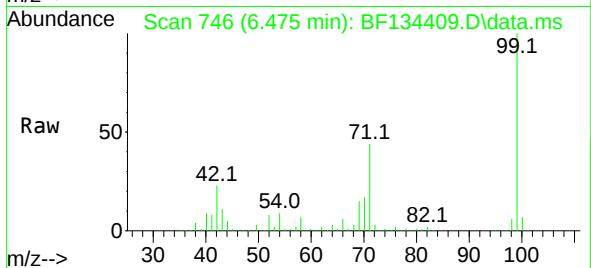
Tgt Ion:112 Resp: 233380
Ion Ratio Lower Upper
112 100
64 62.2 52.1 78.1
63 36.5 28.6 42.8





#7
Phenol-d6
Concen: 67.383 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134409.D
Acq: 21 Jul 2023 19:36

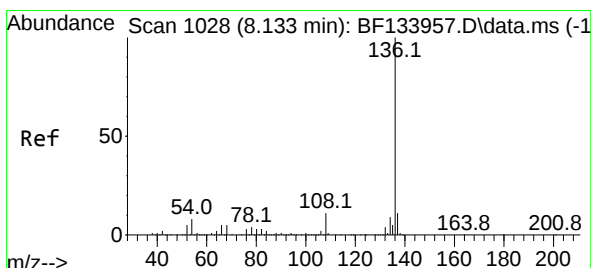
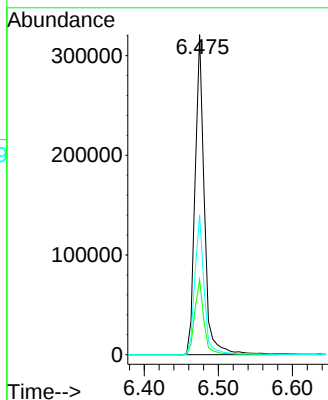
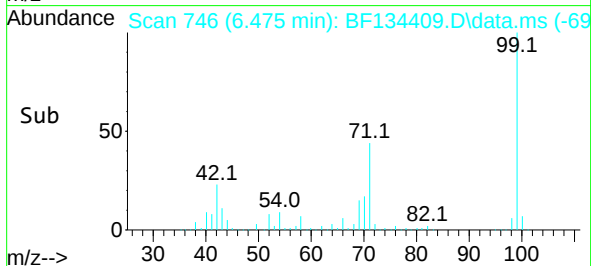
Instrument :
BNA_F
ClientSampleId :
TP3



Tgt Ion: 99 Resp: 279519
Ion Ratio Lower Upper
99 100
42 23.5 19.8 29.6
71 43.7 31.9 47.9

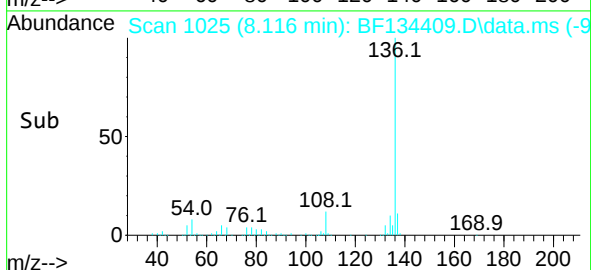
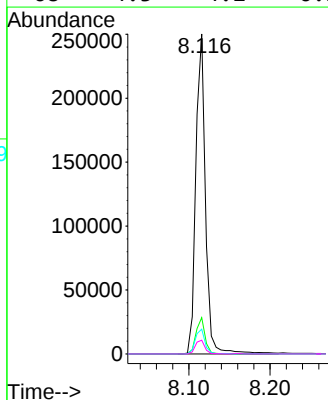
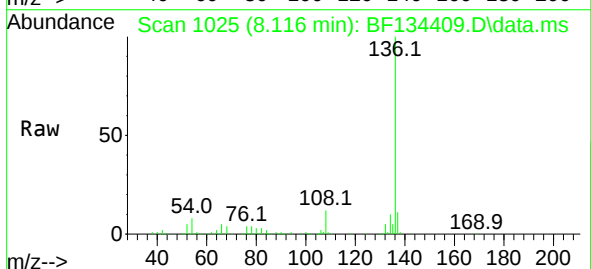
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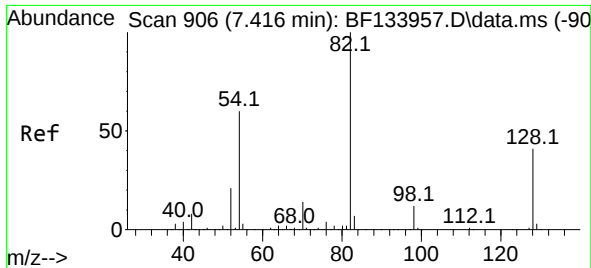
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134409.D
Acq: 21 Jul 2023 19:36

Tgt Ion:136 Resp: 208665
Ion Ratio Lower Upper
136 100
137 11.3 8.6 12.8
54 7.7 6.5 9.7
68 4.3 4.2 6.2





#23
Nitrobenzene-d5
Concen: 48.666 ng
RT: 7.398 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF134409.D
Acq: 21 Jul 2023 19:36

Instrument :

BNA_F

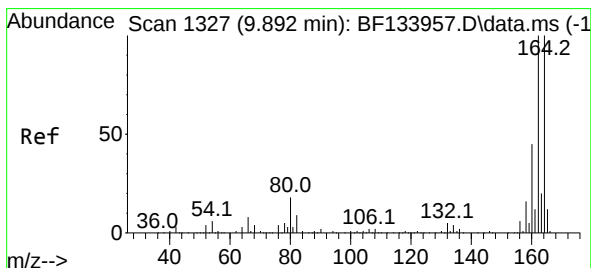
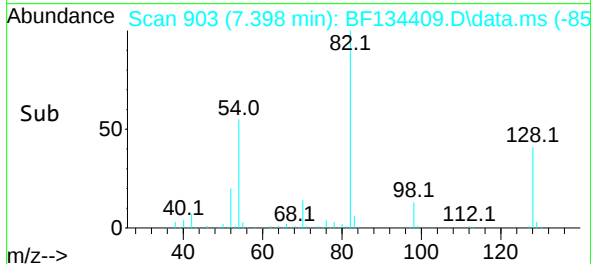
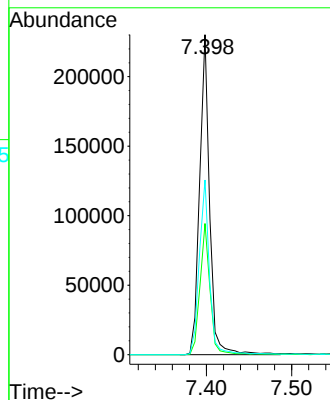
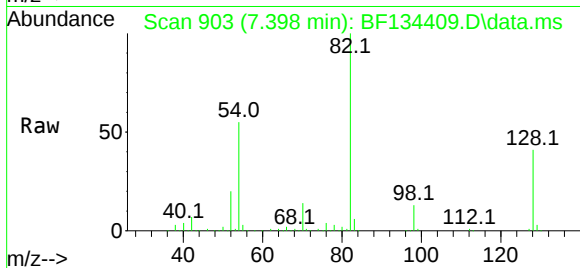
ClientSampleId :

TP3

Tgt Ion: 82 Resp: 18838
Ion Ratio Lower Upper
82 100
128 41.0 32.5 48.7
54 54.6 48.2 72.2

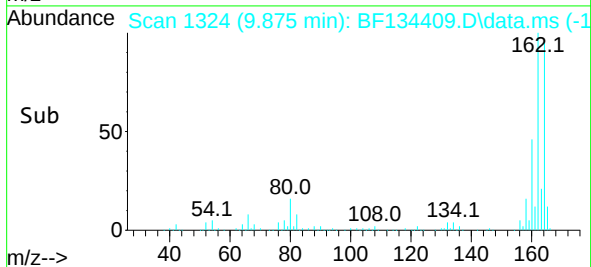
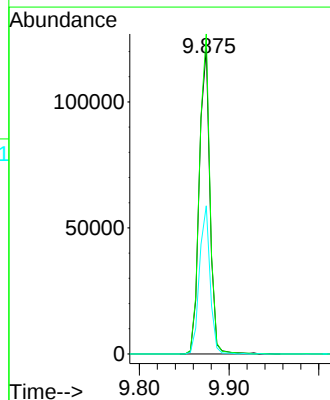
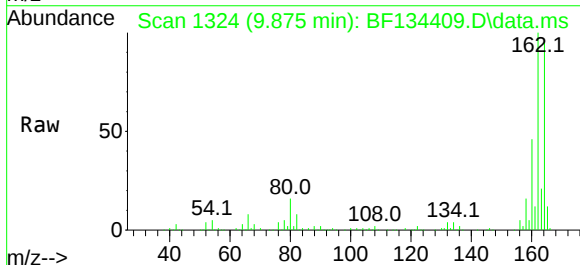
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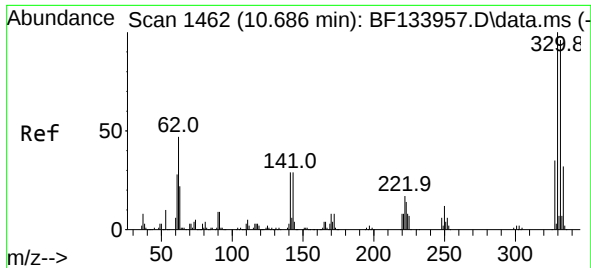
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF134409.D
Acq: 21 Jul 2023 19:36

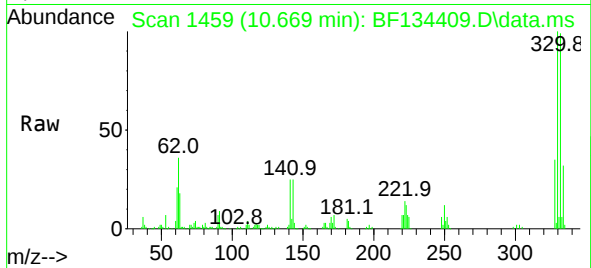
Tgt Ion:164 Resp: 100120
Ion Ratio Lower Upper
164 100
162 104.6 80.0 120.0
160 48.4 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 66.899 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134409.D
Acq: 21 Jul 2023 19:36

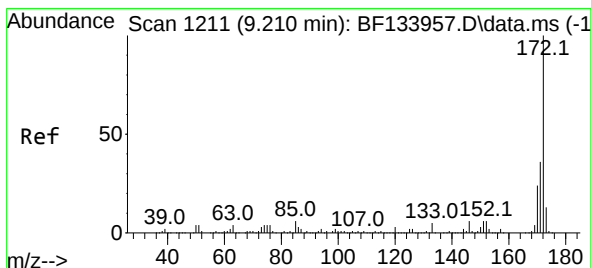
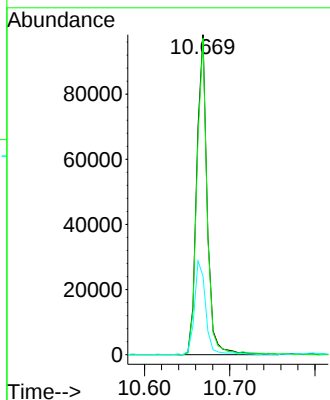
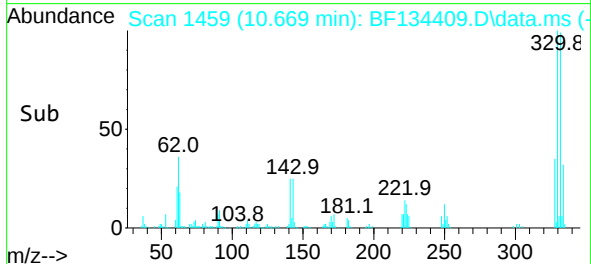
Instrument :
BNA_F
ClientSampleId :
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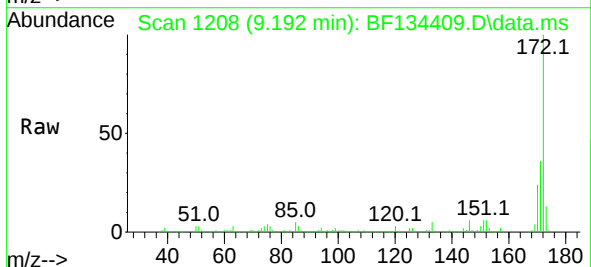
Tgt Ion: 330 Resp: 83978
Ion Ratio Lower Upper
330 100
332 97.4 77.0 115.6
141 31.6 26.3 39.5

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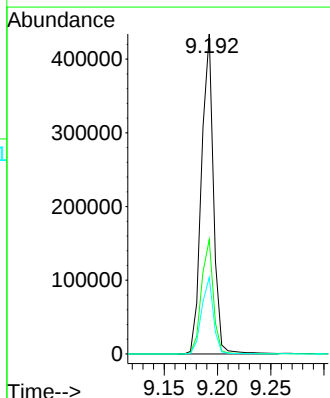
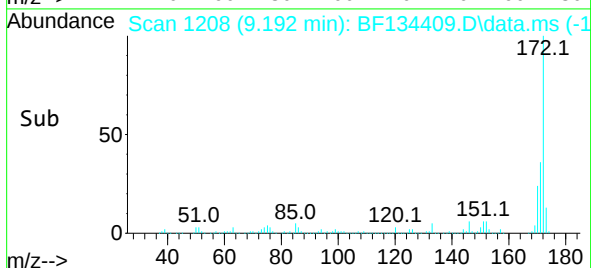
Reviewed By : Yogesh Patel 07/24/2023
Supervised By : mohammad ahmed 07/24/2023

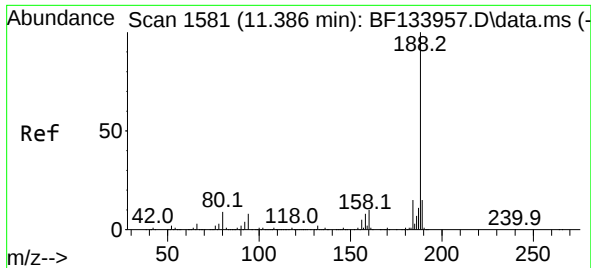


#45
2-Fluorobiphenyl
Concen: 49.638 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134409.D
Acq: 21 Jul 2023 19:36



Tgt Ion: 172 Resp: 341823
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 24.0 19.4 29.0





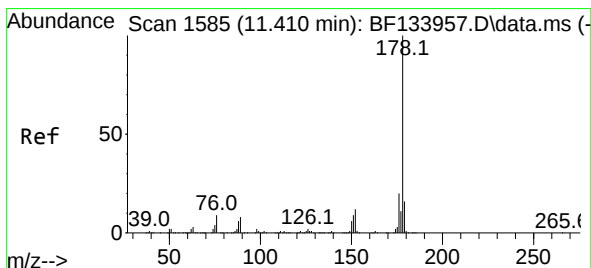
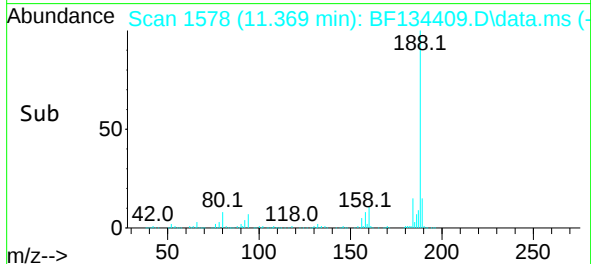
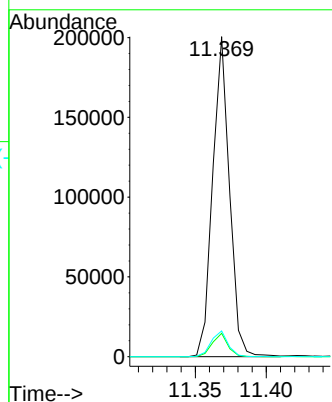
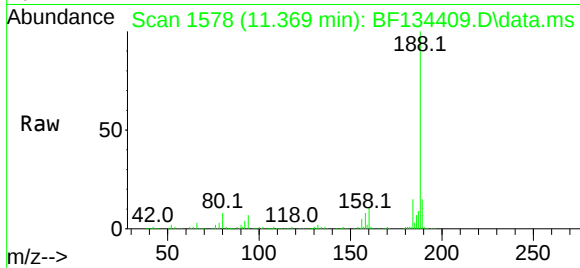
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134409.D
Acq: 21 Jul 2023 19:36

Instrument :
BNA_F
ClientSampleId :
TP3

Tgt Ion:188 Resp: 165384
Ion Ratio Lower Upper
188 100
94 7.3 6.4 9.6
80 8.1 7.3 10.9

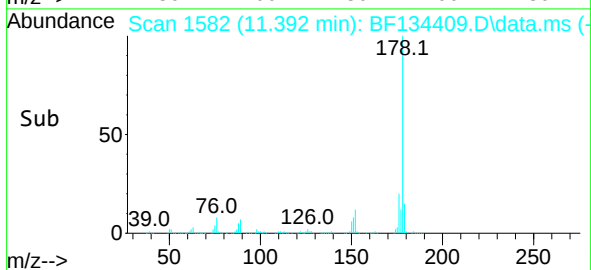
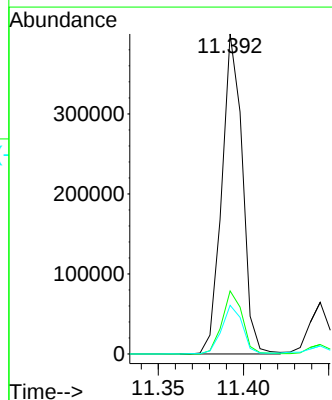
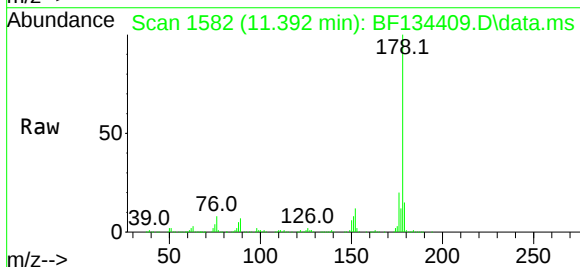
Manual Integrations
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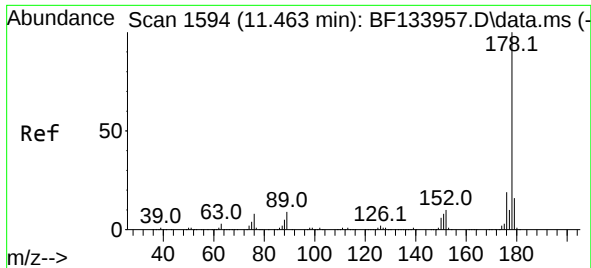
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#71
Phenanthrene
Concen: 40.436 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134409.D
Acq: 21 Jul 2023 19:36

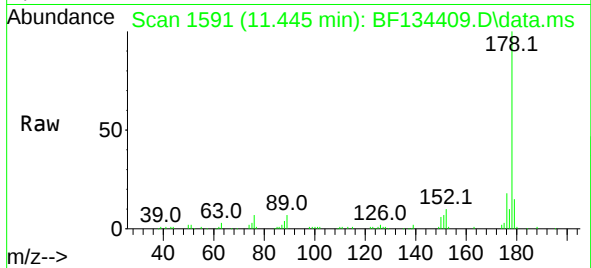
Tgt Ion:178 Resp: 336655
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 15.2 12.4 18.6





#72
 Anthracene
 Concen: 6.212 ng m
 RT: 11.445 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF134409.D
 Acq: 21 Jul 2023 19:36

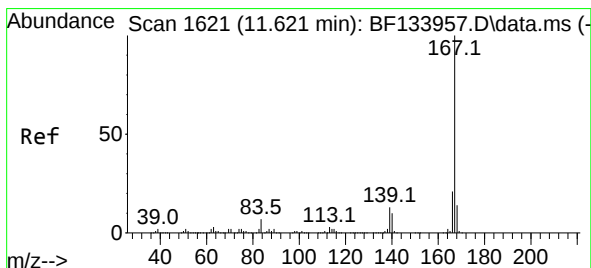
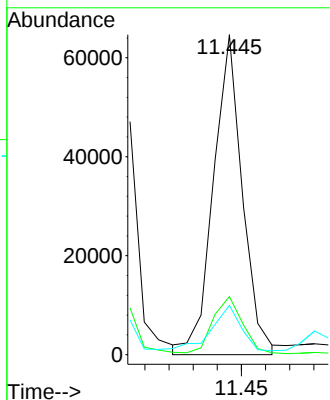
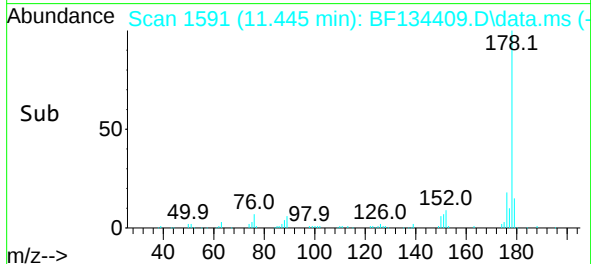
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 TP3



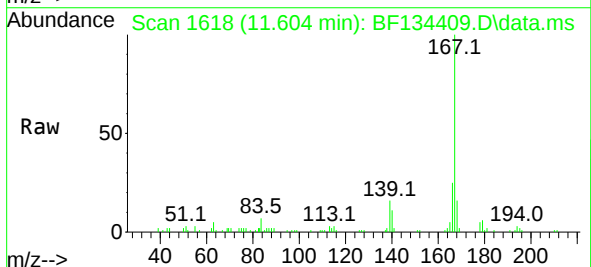
Tgt Ion:178 Resp: 53794
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.3 22.9
 179 15.4 12.4 18.6

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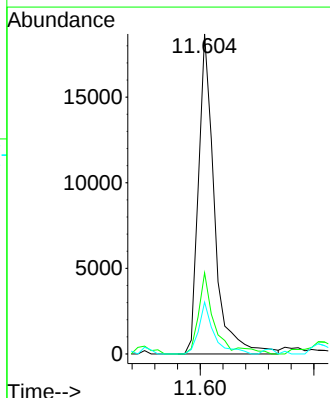
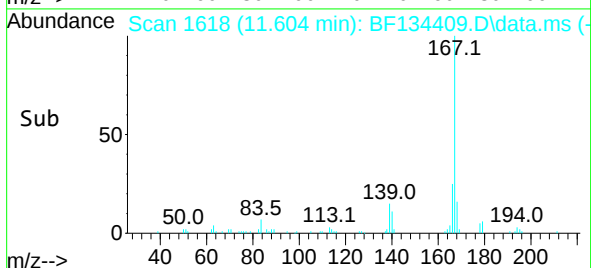
Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :mohammad ahmed 07/24/2023

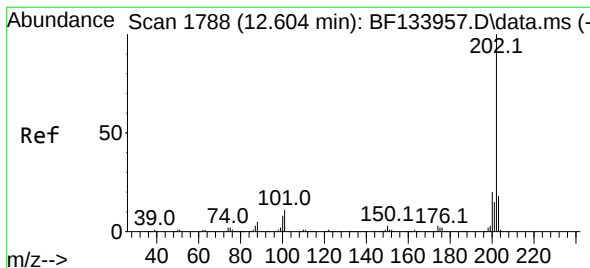


#73
 Carbazole
 Concen: 2.299 ng
 RT: 11.604 min Scan# 1618
 Delta R.T. -0.012 min
 Lab File: BF134409.D
 Acq: 21 Jul 2023 19:36



Tgt Ion:167 Resp: 18219
 Ion Ratio Lower Upper
 167 100
 166 25.3 17.0 25.6
 139 16.2 10.4 15.6#





#75

Fluoranthene

Concen: 74.698 ng

RT: 12.598 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134409.D

Acq: 21 Jul 2023 19:36

Instrument :

BNA_F

ClientSampleId :

TP3

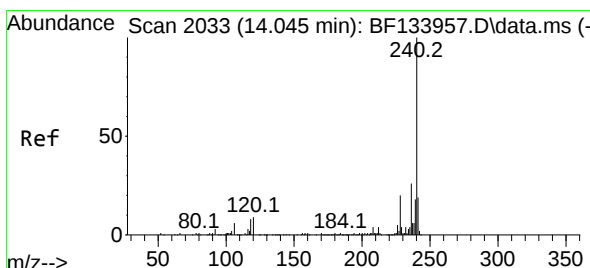
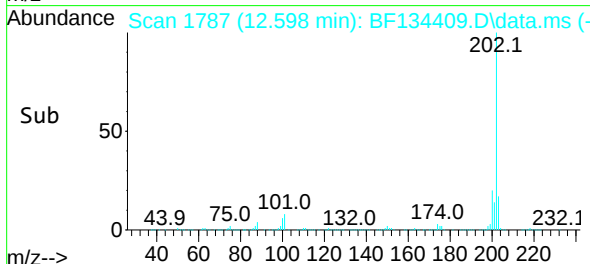
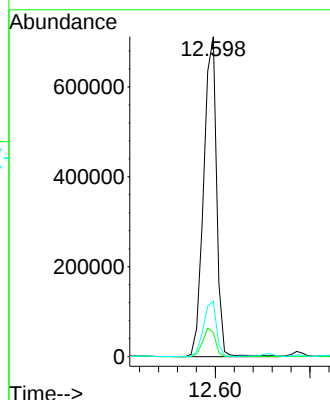
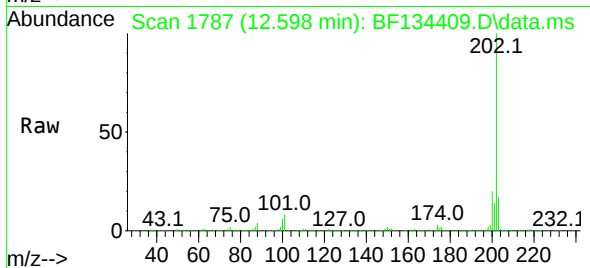
Tgt Ion:202 Resp: 672350
 Ion Ratio Lower Upper
 202 100
 101 7.5 0.0 31.0
 203 17.3 0.0 37.6

Manual Integrations

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Supervised By :mohammad ahmed 07/24/2023



#76

Chrysene-d12

Concen: 20.000 ng

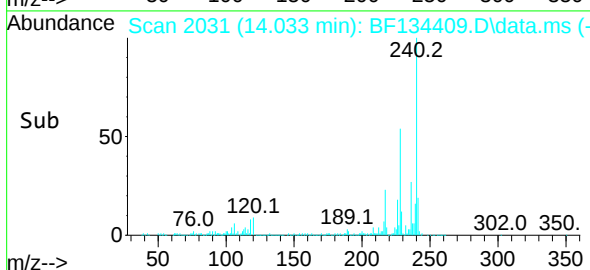
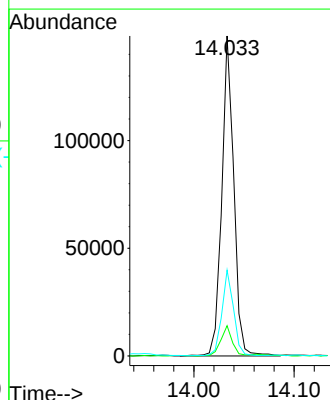
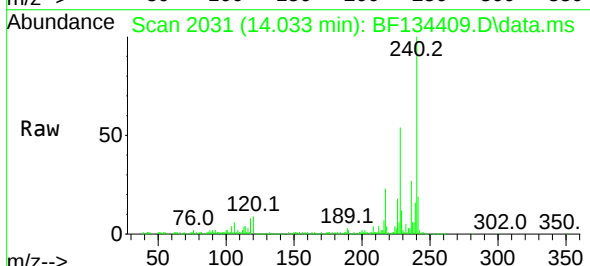
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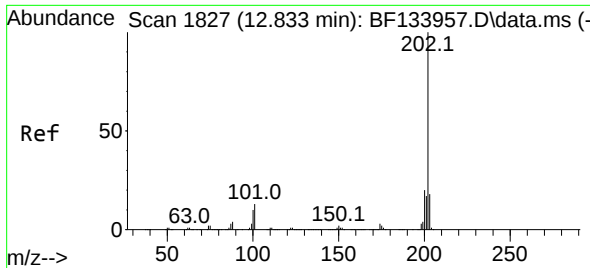
Delta R.T. -0.006 min

Lab File: BF134409.D

Acq: 21 Jul 2023 19:36

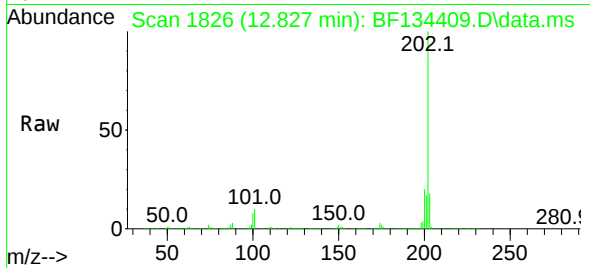
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 Ion Ratio Lower Upper
 240 100
 120 9.4 7.4 11.0
 236 26.8 21.0 31.6





#78
Pyrene
Concen: 47.320 ng
RT: 12.827 min Scan# 1849
Delta R.T. -0.006 min
Lab File: BF134409.D
Acq: 21 Jul 2023 19:36

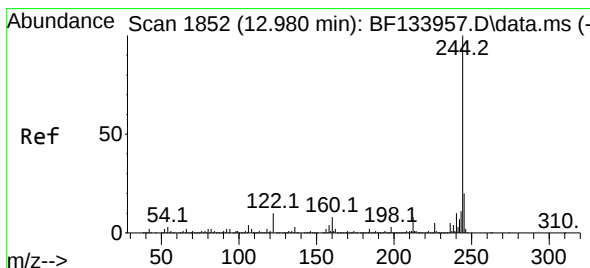
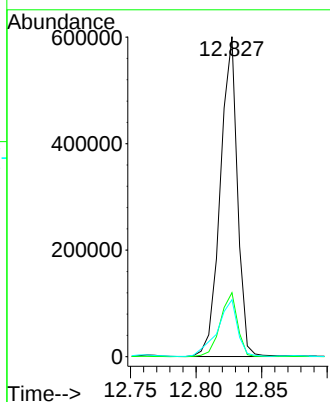
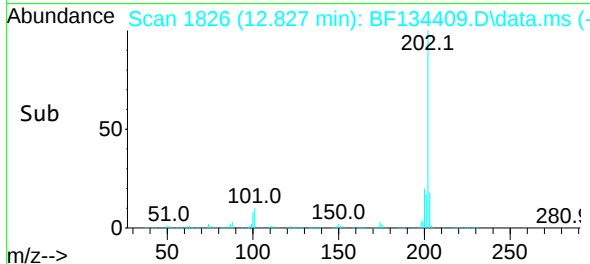
Instrument :
BNA_F
ClientSampleId :
TP3



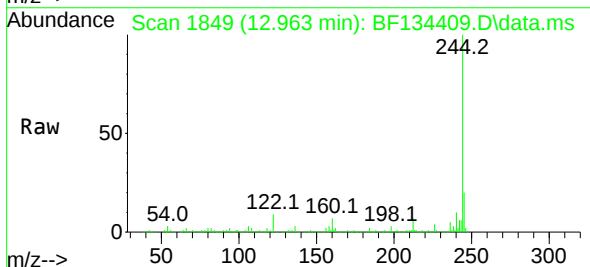
Tgt Ion:202 Resp: 543574
Ion Ratio Lower Upper
202 100
200 20.0 16.1 24.1
203 17.8 14.3 21.5

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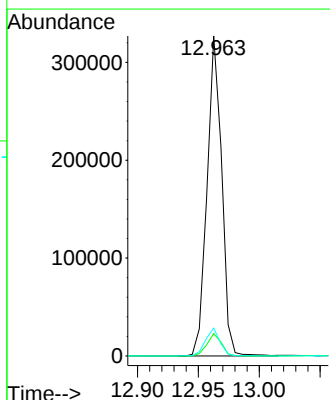
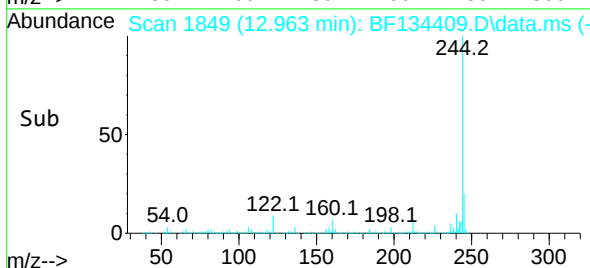
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

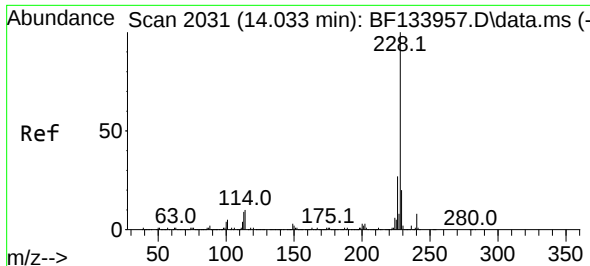


#79
Terphenyl-d14
Concen: 35.540 ng
RT: 12.963 min Scan# 1849
Delta R.T. -0.012 min
Lab File: BF134409.D
Acq: 21 Jul 2023 19:36



Tgt Ion:244 Resp: 272574
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 8.7 8.3 12.5





#81
Benzo(a)anthracene
Concen: 32.184 ng
RT: 14.021 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134409.D
Acq: 21 Jul 2023 19:36

Instrument :

BNA_F

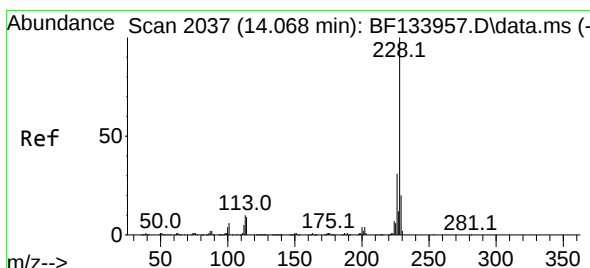
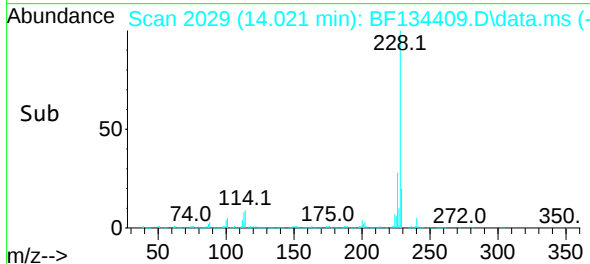
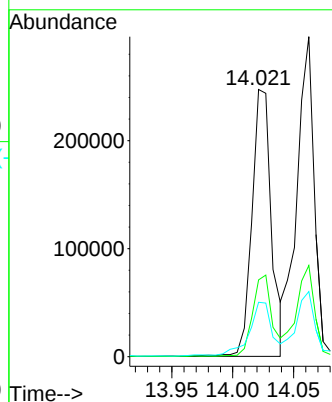
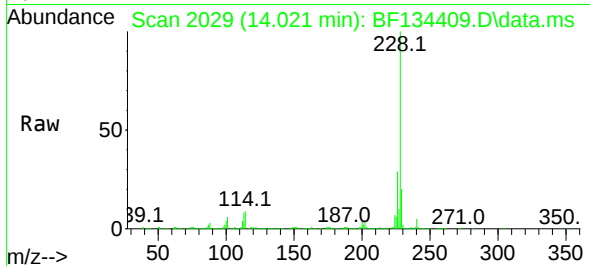
ClientSampleId :

TP3

Tgt Ion:228 Resp: 27550
Ion Ratio Lower Upper
228 100
226 28.7 22.0 33.0
229 20.4 16.3 24.5

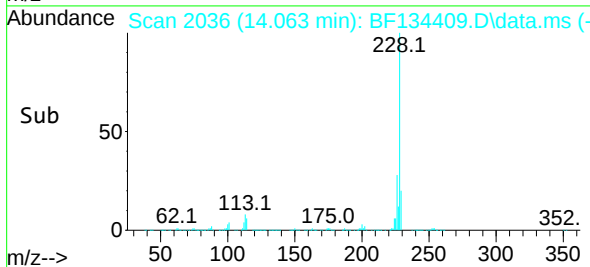
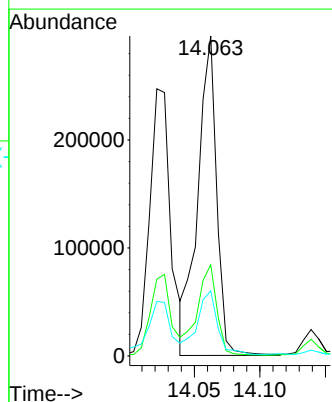
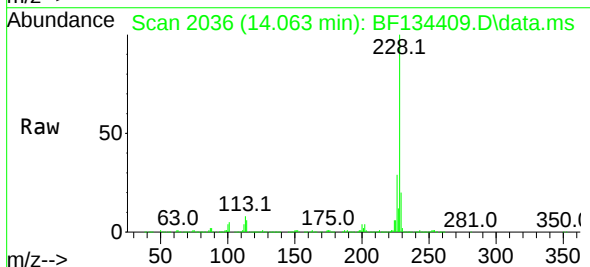
Manual Integrations
APPROVED

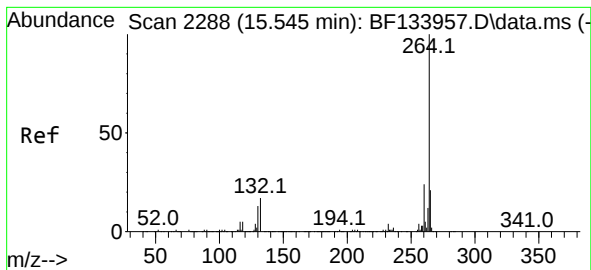
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#83
Chrysene
Concen: 35.905 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF134409.D
Acq: 21 Jul 2023 19:36

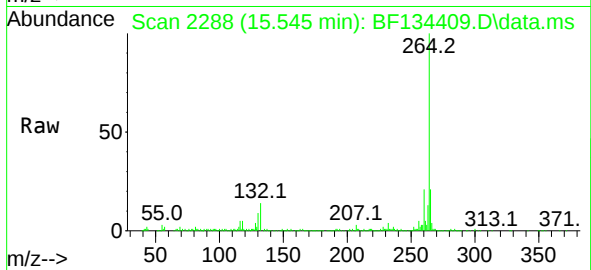
Tgt Ion:228 Resp: 297702
Ion Ratio Lower Upper
228 100
226 28.5 24.4 36.6
229 20.3 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2288
Delta R.T. 0.000 min
Lab File: BF134409.D
Acq: 21 Jul 2023 19:36

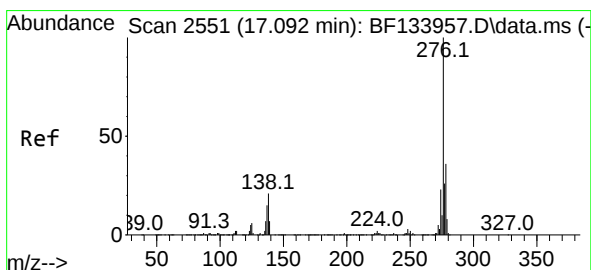
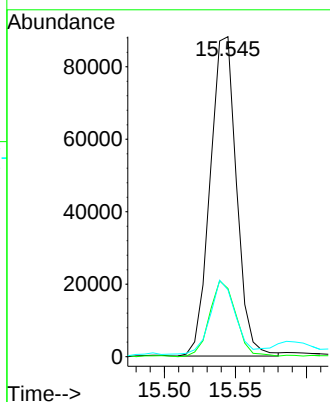
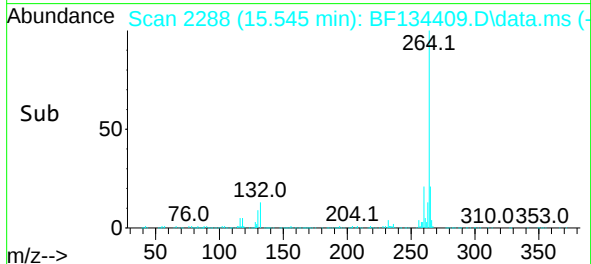
Instrument :
BNA_F
ClientSampleId :
TP3



Tgt Ion:264 Resp: 11393
Ion Ratio Lower Upper
264 100
260 21.3 19.5 29.3
265 20.9 16.6 25.0

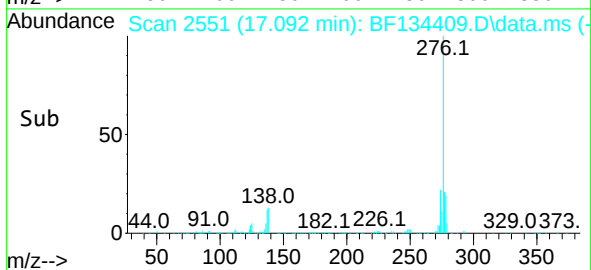
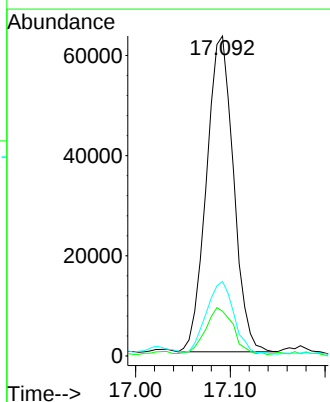
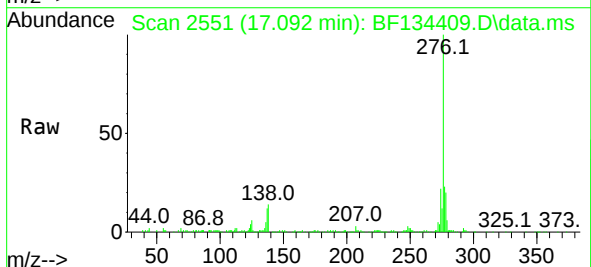
Manual Integrations
APPROVED

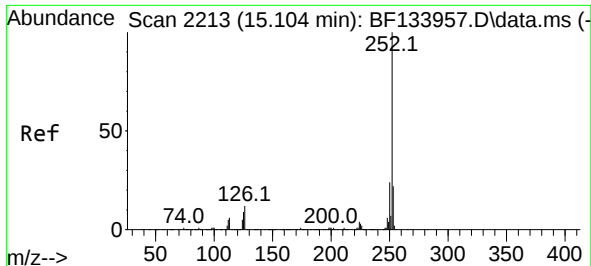
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 15.874 ng
RT: 17.092 min Scan# 2551
Delta R.T. -0.006 min
Lab File: BF134409.D
Acq: 21 Jul 2023 19:36

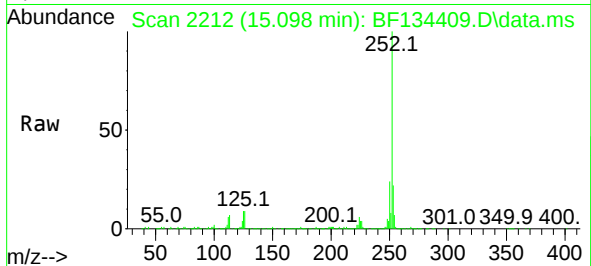
Tgt Ion:276 Resp: 125497
Ion Ratio Lower Upper
276 100
138 15.6 18.7 28.1#
277 23.6 19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 54.781 ng m
RT: 15.098 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134409.D
Acq: 21 Jul 2023 19:36

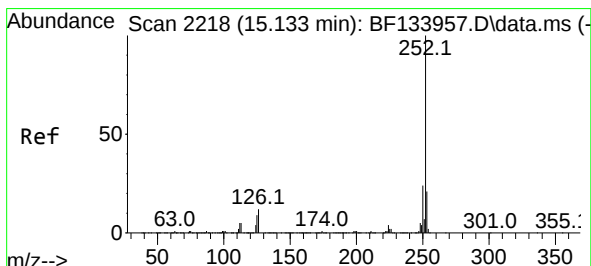
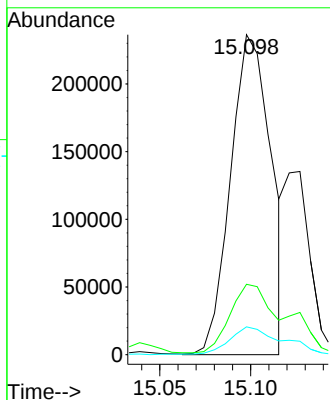
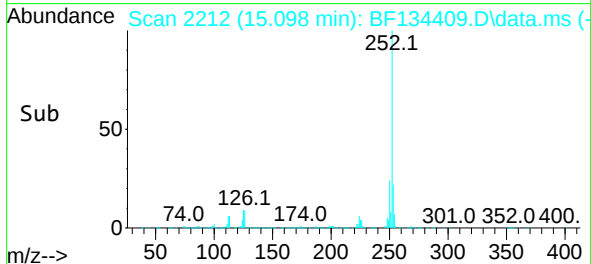
Instrument :
BNA_F
ClientSampleId :
TP3



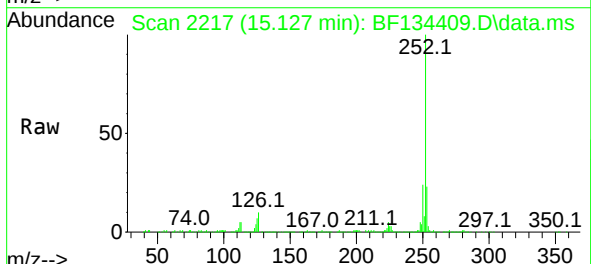
Tgt Ion:252 Resp: 366994
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.0
125 8.7 7.1 10.7

Manual Integrations
APPROVED

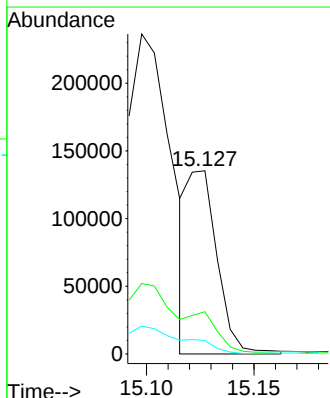
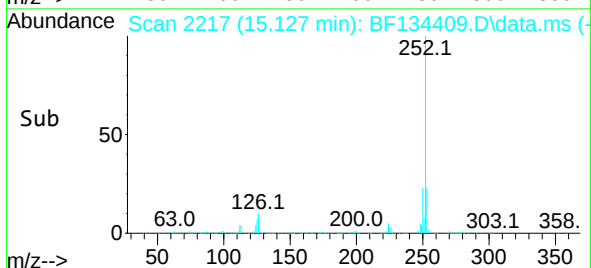
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

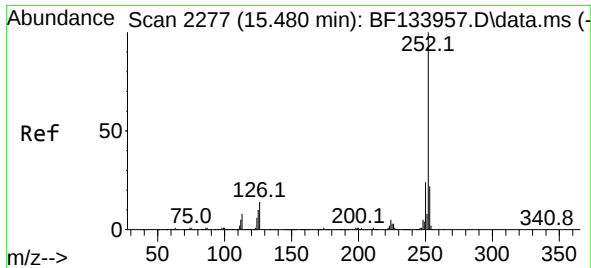


#89
Benzo(k)fluoranthene
Concen: 19.080 ng m
RT: 15.127 min Scan# 2217
Delta R.T. -0.006 min
Lab File: BF134409.D
Acq: 21 Jul 2023 19:36



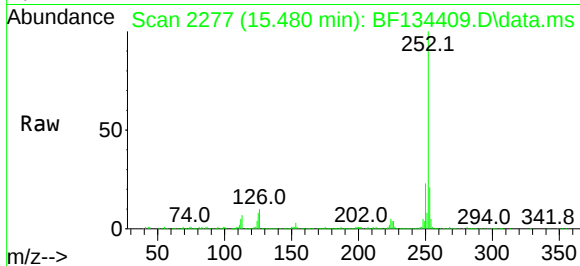
Tgt Ion:252 Resp: 130140
Ion Ratio Lower Upper
252 100
253 23.0 16.9 25.3
125 7.3 7.4 11.2#





#90
Benzo(a)pyrene
Concen: 34.736 ng m
RT: 15.480 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF134409.D
Acq: 21 Jul 2023 19:36

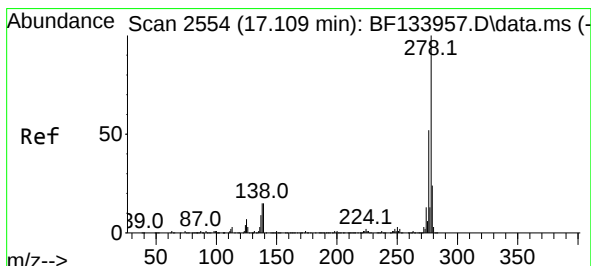
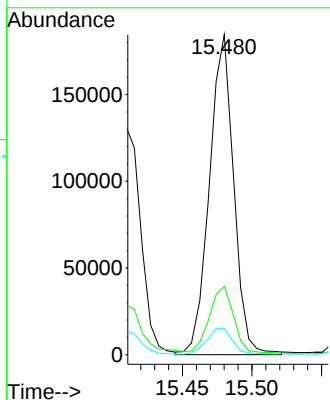
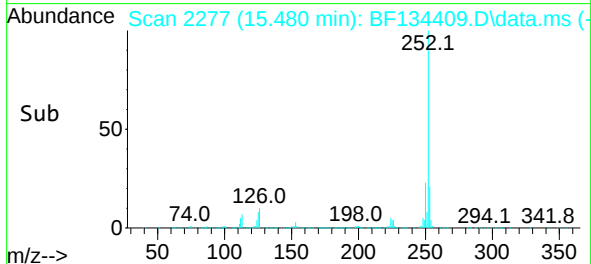
Instrument :
BNA_F
ClientSampleId :
TP3



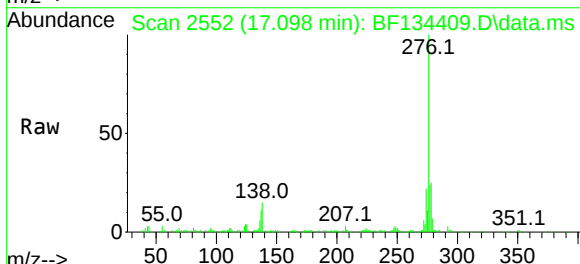
Tgt Ion:252 Resp: 22502
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.0
125 8.1 8.4 12.6

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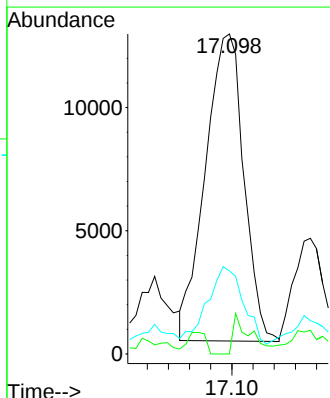
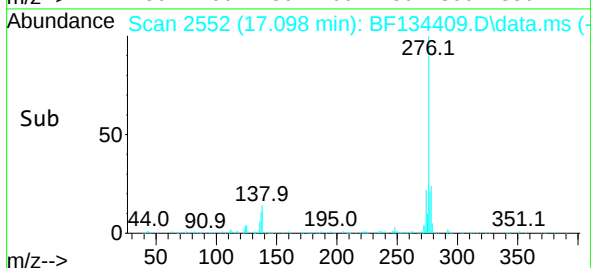
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

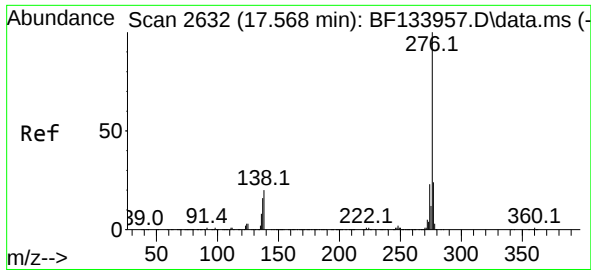


#91
Dibenzo(a,h)anthracene
Concen: 4.868 ng m
RT: 17.098 min Scan# 2552
Delta R.T. -0.012 min
Lab File: BF134409.D
Acq: 21 Jul 2023 19:36



Tgt Ion:278 Resp: 31435
Ion Ratio Lower Upper
278 100
139 0.0 12.2 18.4#
279 25.9 19.4 29.2





#92

Benzo(g,h,i)perylene

Concen: 17.045 ng

RT: 17.556 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF134409.D

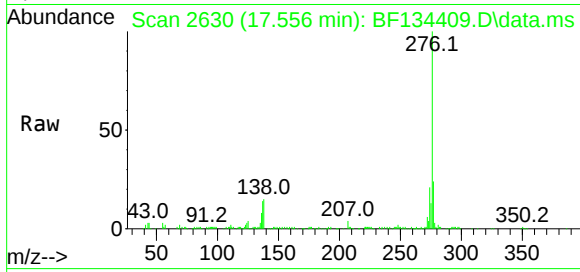
Acq: 21 Jul 2023 19:36

Instrument :

BNA_F

ClientSampleId :

TP3



Tgt Ion:276 Resp: 113500

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.6

138 15.0 16.2 24.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/24/2023

Supervised By :mohammad ahmed 07/24/2023

