

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071524\
 Data File : BF138573.D
 Acq On : 15 Jul 2024 17:42
 Operator : CG\JU
 Sample : P3223-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PILE-CAP

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel
 07/16/2024

Supervised By :mohammad
 ahmed
 07/16/2024

Quant Time: Jul 15 19:00:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	89211	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	360264	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	197042	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	304584	20.000	ng	0.00
76) Chrysene-d12	14.021	240	164574	20.000	ng	0.00
86) Perylene-d12	15.492	264	171931	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	459252	81.531	ng	0.00
7) Phenol-d6	6.498	99	622219	83.036	ng	0.00
23) Nitrobenzene-d5	7.428	82	401909	54.773	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	132120	71.744	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	684548	54.297	ng	0.00
79) Terphenyl-d14	12.968	244	489293	48.435	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.169	128	78997	4.216	ng	99
37) 2-Methylnaphthalene	8.857	142	35229	2.922	ng	98
38) 1-Methylnaphthalene	8.957	142	26141	2.221	ng	99
52) Acenaphthene	9.933	154	50429	4.737	ng	98
55) Dibenzofuran	10.104	168	57764	3.741	ng	96
58) Fluorene	10.445	166	68530	5.609	ng	99
71) Phenanthrene	11.410	178	254965	16.569	ng	99
72) Anthracene	11.457	178	75035	4.912	ng	99
73) Carbazole	11.616	167	50570	3.684	ng	100
75) Fluoranthene	12.598	202	376443	23.975	ng	98
78) Pyrene	12.827	202	315190	18.866	ng	99
81) Benzo(a)anthracene	14.009	228	149669	13.553	ng	96
83) Chrysene	14.045	228	132477	12.681	ng	97
87) Indeno(1,2,3-cd)pyrene	16.956	276	45002	3.897	ng	96
88) Benzo(b)fluoranthene	15.062	252	167742m	17.324	ng	
89) Benzo(k)fluoranthene	15.086	252	49327m	5.223	ng	
90) Benzo(a)pyrene	15.427	252	107482	12.636	ng	99
92) Benzo(g,h,i)perylene	17.403	276	42611	4.254	ng	95

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

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ALS Vial : 11 Sample Multiplier: 1

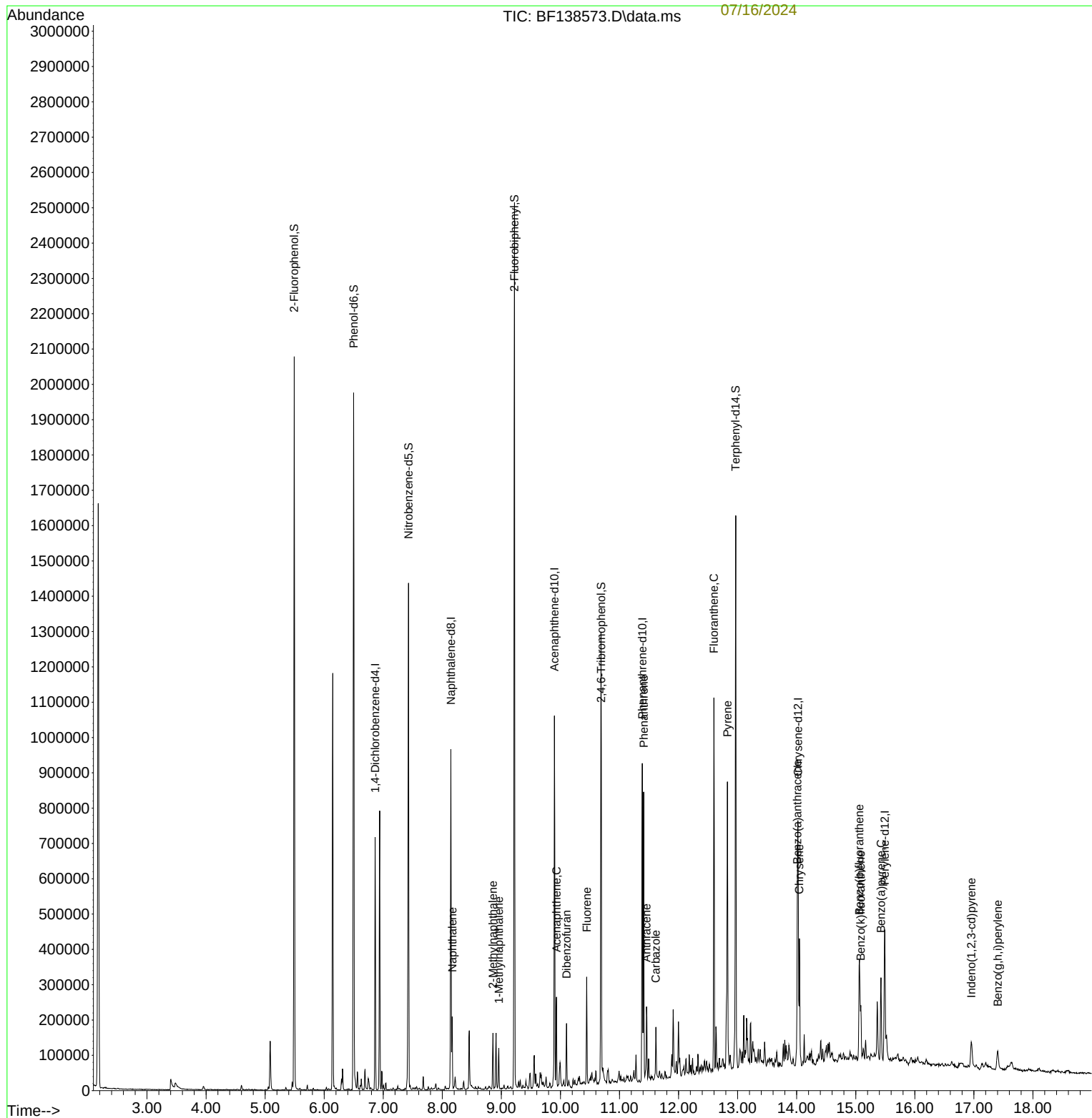
Instrument :
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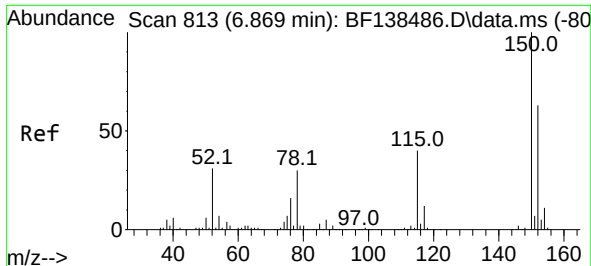
Quant Time: Jul 15 19:00:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
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Supervised By :mohammad
ahmed
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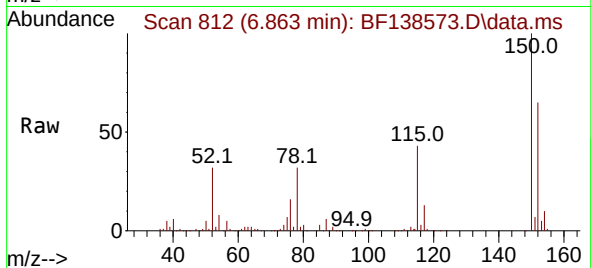
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

Instrument :

BNA_F

ClientSampleId :

PILE-CAP



Tgt Ion:152 Resp: 8921
Ion Ratio Lower Upper
152 100
150 154.2 126.2 189.4
115 66.1 50.3 75.5

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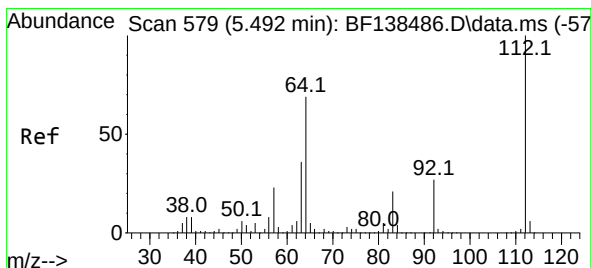
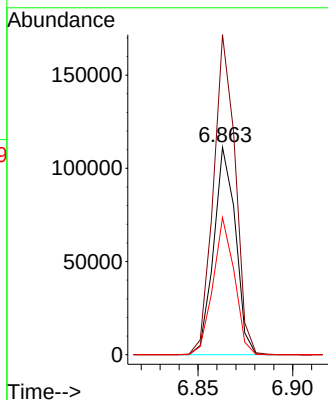
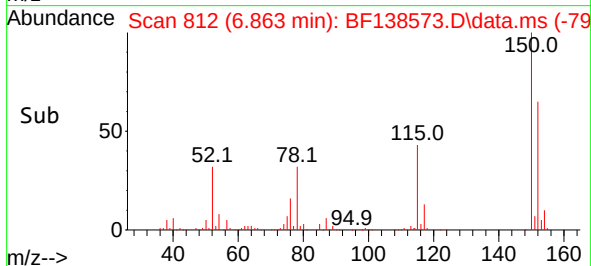
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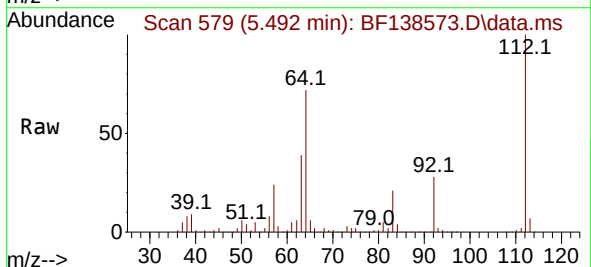
Supervised By :mohammad

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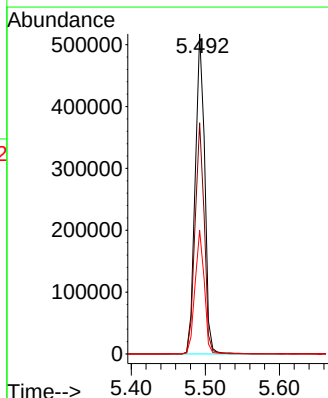
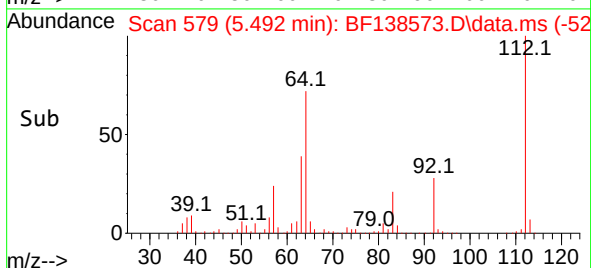
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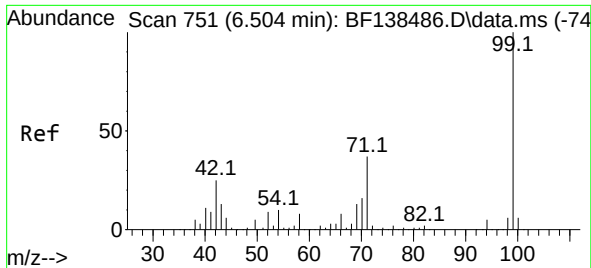


#5
2-Fluorophenol
Concen: 81.531 ng
RT: 5.492 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42



Tgt Ion:112 Resp: 459252
Ion Ratio Lower Upper
112 100
64 72.2 55.1 82.7
63 38.6 29.0 43.6





#7
Phenol-d6
Concen: 83.036 ng
RT: 6.498 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

Instrument :

BNA_F

ClientSampleId :

PILE-CAP

Tgt Ion: 99 Resp: 622219
Ion Ratio Lower Upper
99 100
42 24.0 19.7 29.5
71 37.2 29.9 44.9

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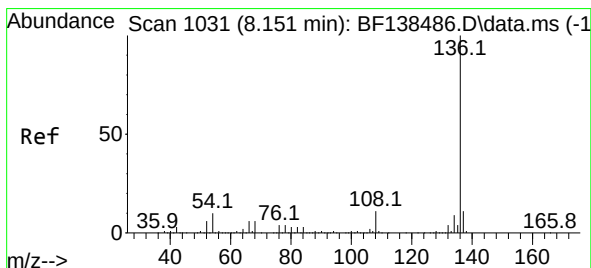
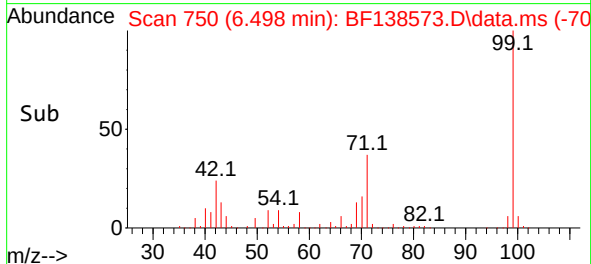
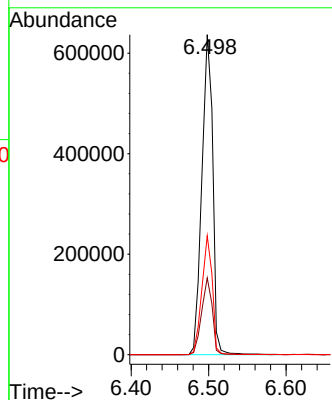
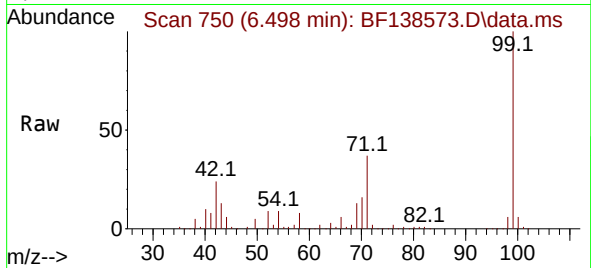
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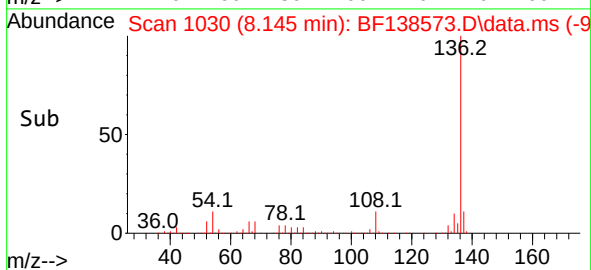
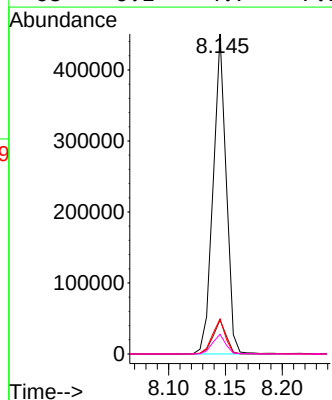
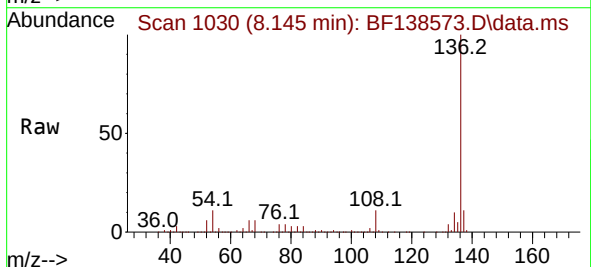
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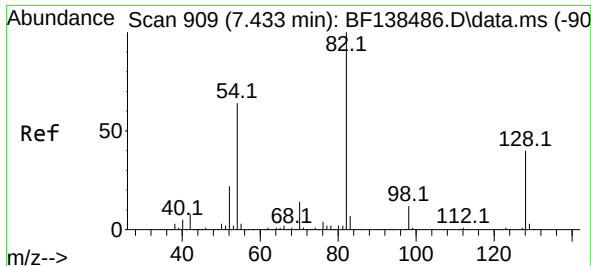
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

Tgt Ion:136 Resp: 360264
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 10.9 8.1 12.1
68 6.1 4.7 7.1





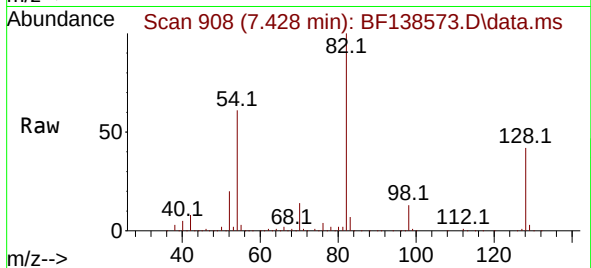
#23
Nitrobenzene-d5
Concen: 54.773 ng
RT: 7.428 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 82 Resp: 401909
Ion Ratio Lower Upper
82 100
128 42.5 32.3 48.5
54 61.2 51.4 77.0

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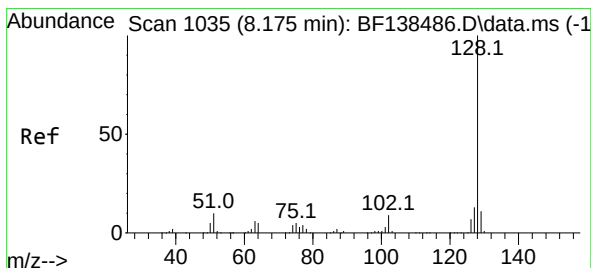
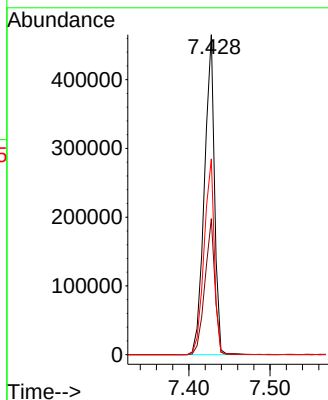
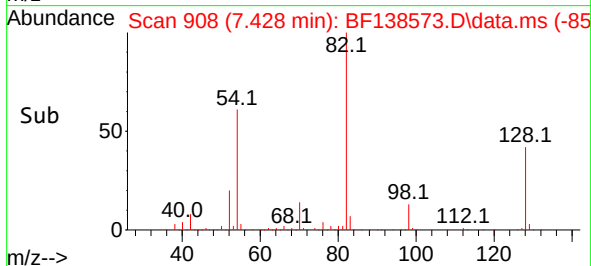
Patel

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Supervised By :mohammad

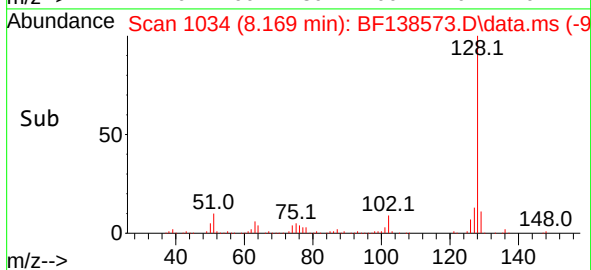
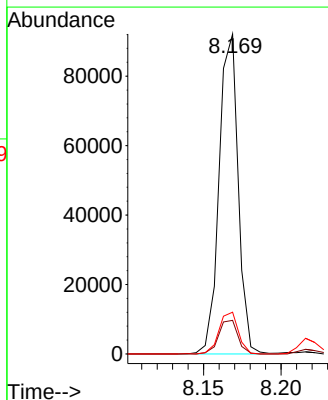
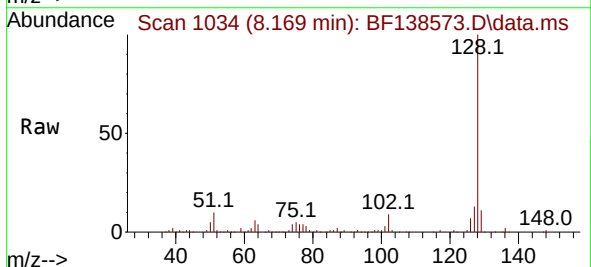
ahmed

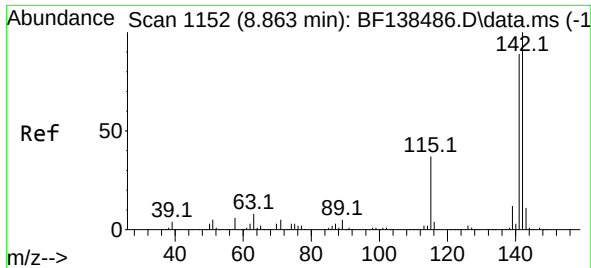
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#31
Naphthalene
Concen: 4.216 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

Tgt Ion:128 Resp: 78997
Ion Ratio Lower Upper
128 100
129 10.5 8.6 13.0
127 13.1 10.7 16.1





#37
2-Methylnaphthalene
Concen: 2.922 ng
RT: 8.857 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

Instrument :

BNA_F

ClientSampleId :

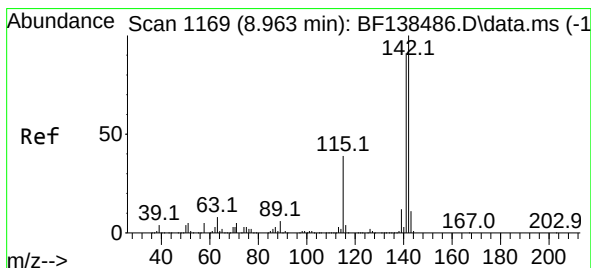
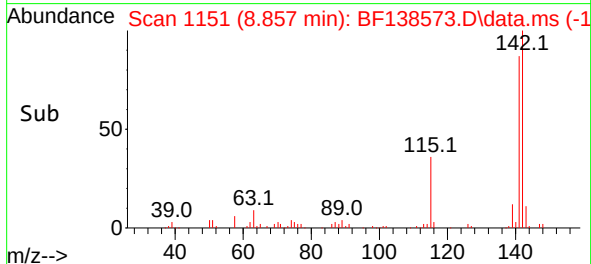
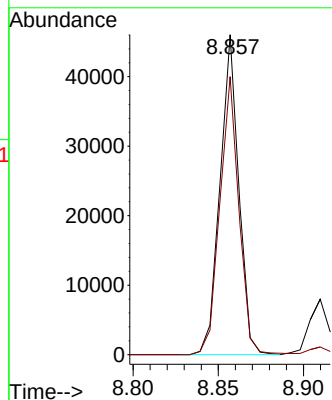
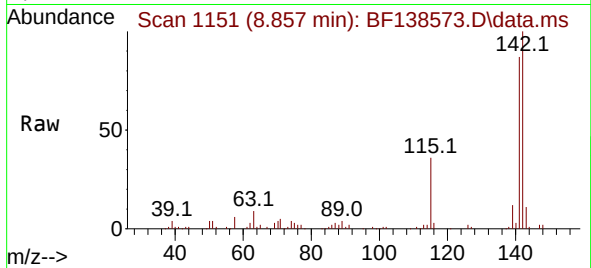
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Tgt Ion:142 Resp: 35229
Ion Ratio Lower Upper
142 100
141 86.9 71.4 107.0

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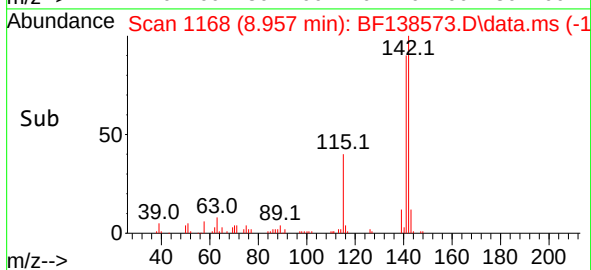
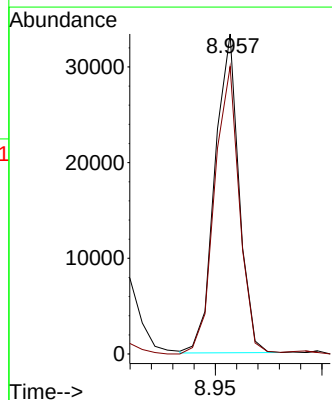
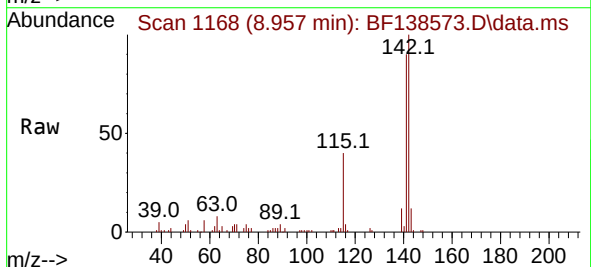
Reviewed By :Yogesh
Patel
07/16/2024

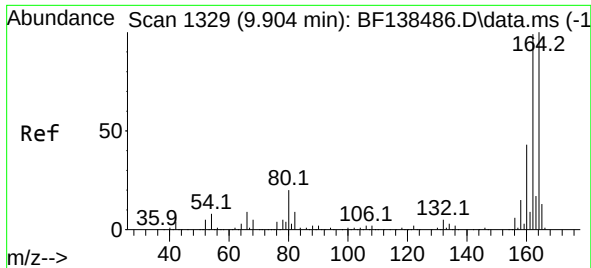
Supervised By :mohammad
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#38
1-Methylnaphthalene
Concen: 2.221 ng
RT: 8.957 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

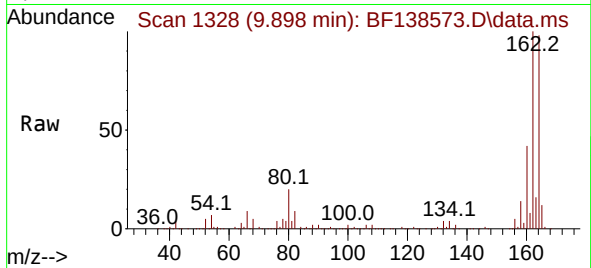
Tgt Ion:142 Resp: 26141
Ion Ratio Lower Upper
142 100
141 89.9 72.6 108.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

Instrument :
BNA_F
ClientSampleId :
PILE-CAP

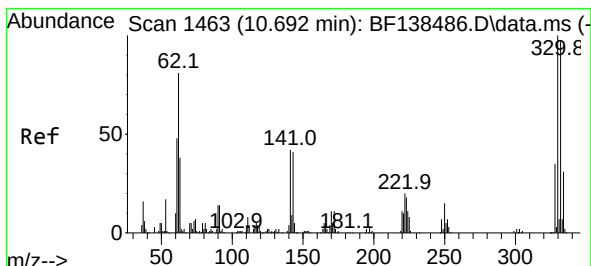
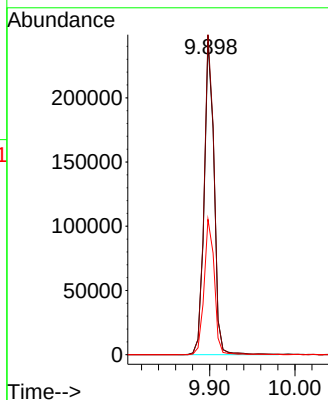
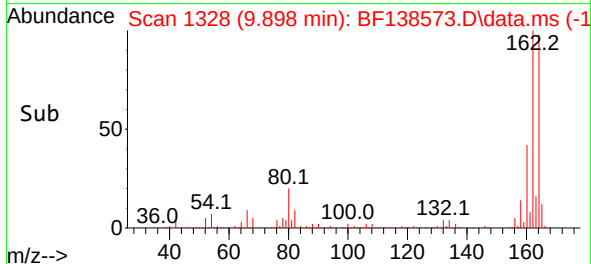


Tgt Ion:164 Resp: 19704
Ion Ratio Lower Upper
164 100
162 102.4 79.0 118.6
160 43.3 34.4 51.6

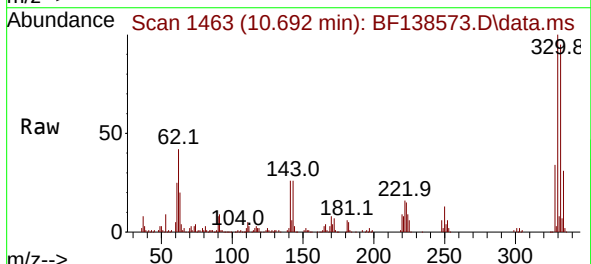
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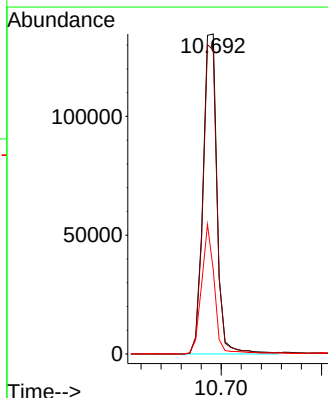
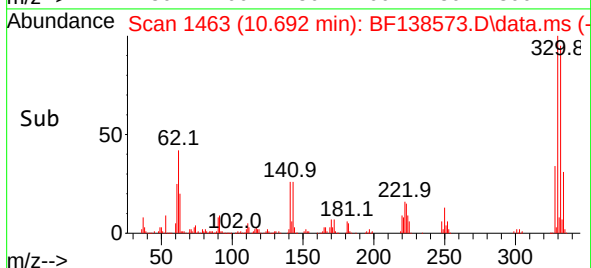
Supervised By :mohammad
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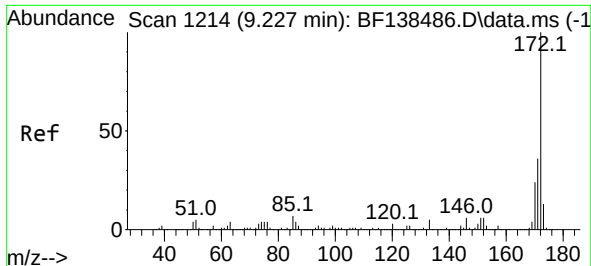


#42
2,4,6-Tribromophenol
Concen: 71.744 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.000 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42



Tgt Ion:330 Resp: 132120
Ion Ratio Lower Upper
330 100
332 96.1 76.8 115.2
141 37.3 29.4 44.2





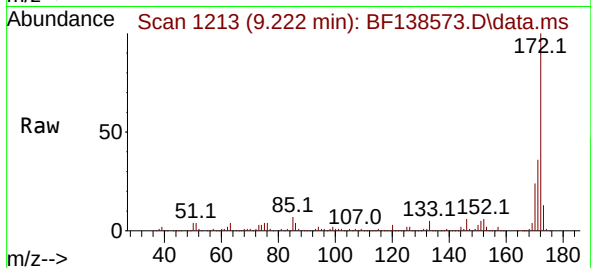
#45
2-Fluorobiphenyl
Concen: 54.297 ng
RT: 9.222 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

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BNA_F

ClientSampleId :

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Tgt Ion:172 Resp: 684548
Ion Ratio Lower Upper
172 100
171 35.9 28.9 43.3
170 24.0 18.9 28.3

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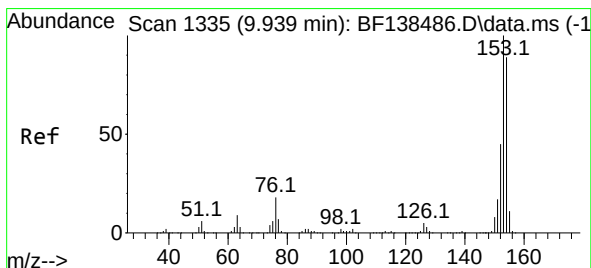
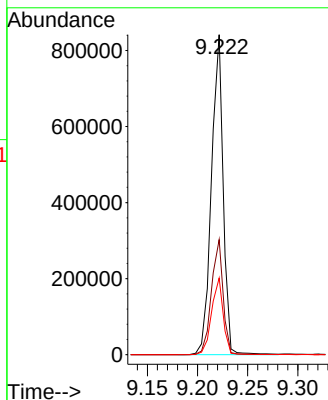
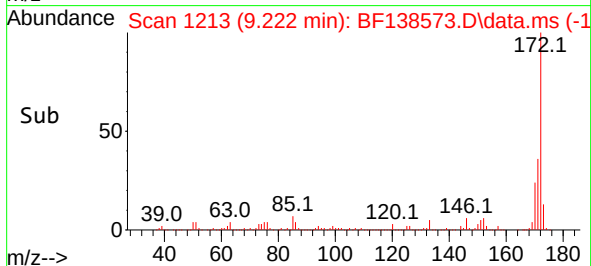
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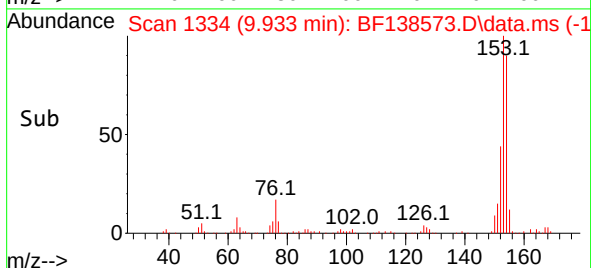
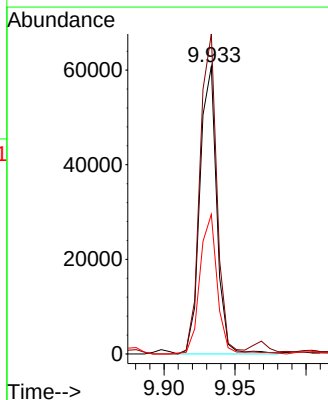
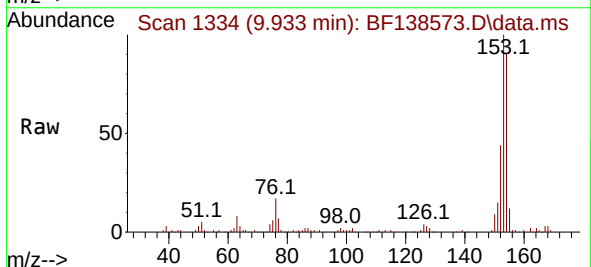
ahmed

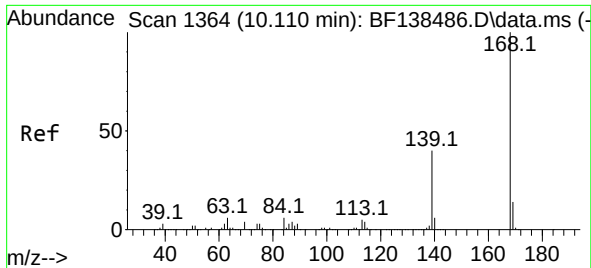
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#52
Acenaphthene
Concen: 4.737 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

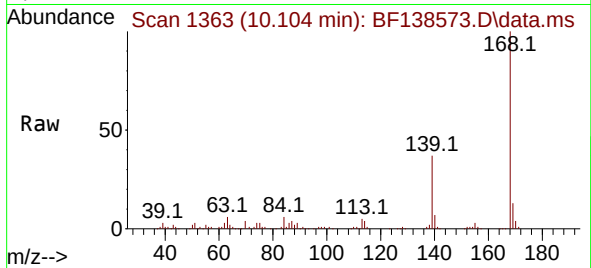
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Ion Ratio Lower Upper
154 100
153 111.4 90.4 135.6
152 48.5 41.1 61.7





#55
Dibenzenofuran
Concen: 3.741 ng
RT: 10.104 min Scan# 1364
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

Instrument :
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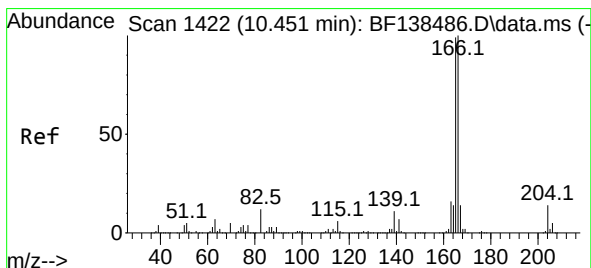
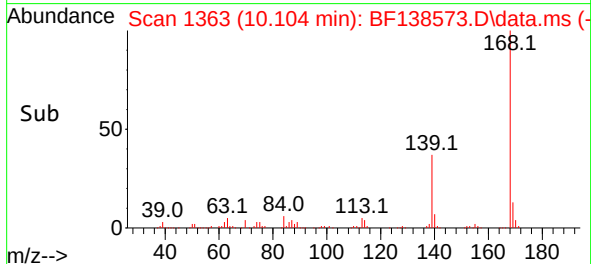
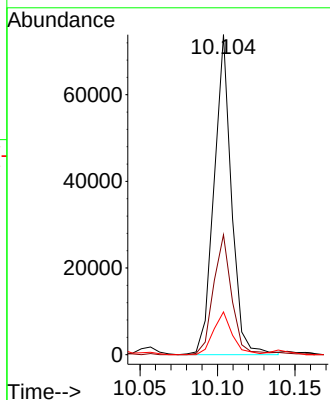


Tgt Ion:168 Resp: 57764
Ion Ratio Lower Upper
168 100
139 37.4 32.4 48.6
169 13.4 10.9 16.3

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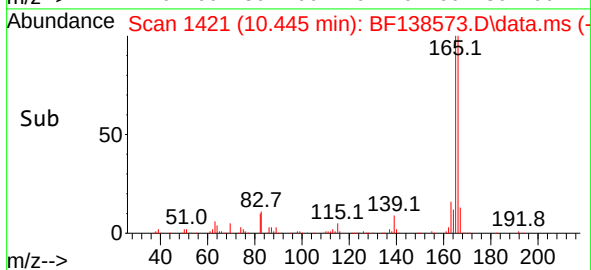
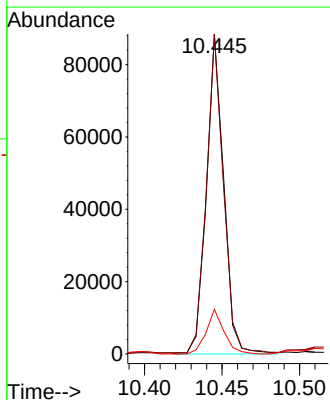
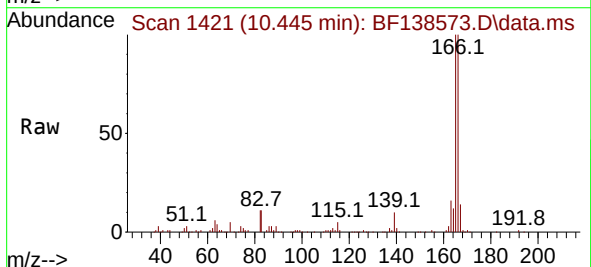
Reviewed By :Yogesh
Patel
07/16/2024

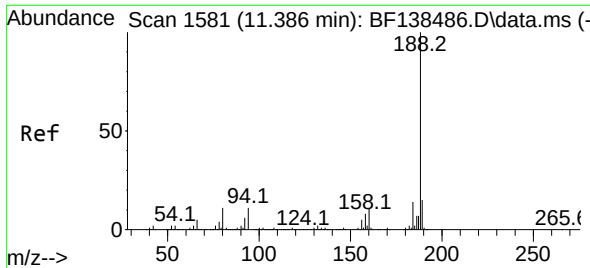
Supervised By :mohammad
ahmed
07/16/2024



#58
Fluorene
Concen: 5.609 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

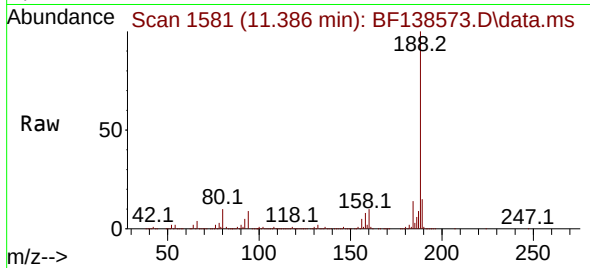
Tgt Ion:166 Resp: 68530
Ion Ratio Lower Upper
166 100
165 99.9 79.1 118.7
167 13.9 11.0 16.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

Instrument :
BNA_F
ClientSampleId :
PILE-CAP

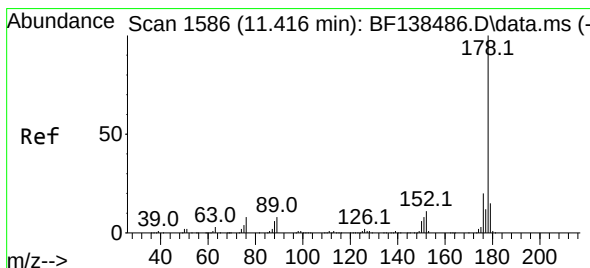
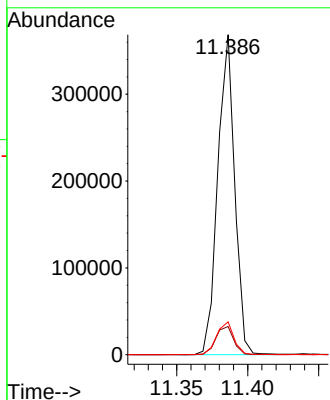
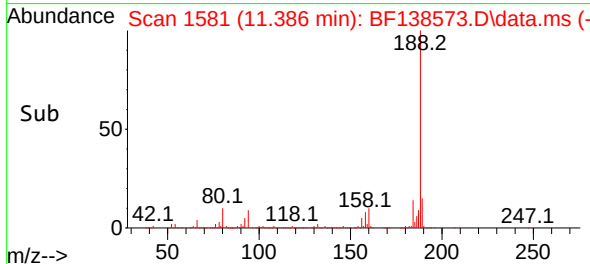


Tgt Ion:188 Resp: 304584
Ion Ratio Lower Upper
188 100
94 8.8 8.7 13.1
80 10.2 9.0 13.4

Manual Integrations
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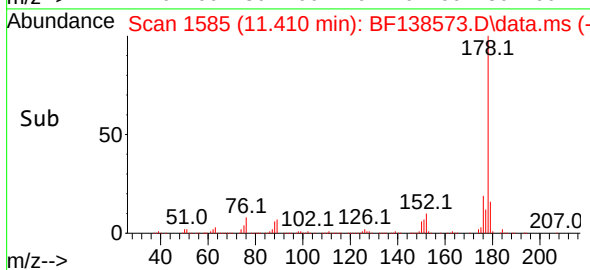
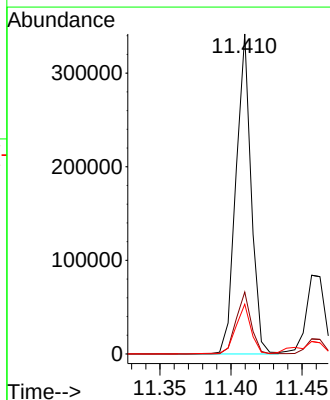
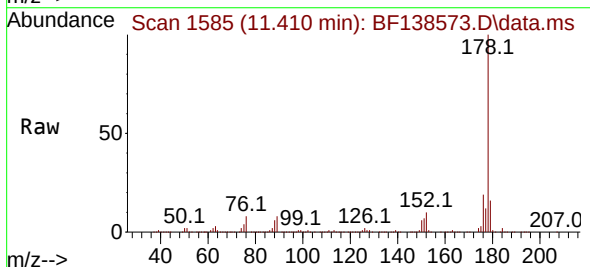
Reviewed By :Yogesh
Patel
07/16/2024

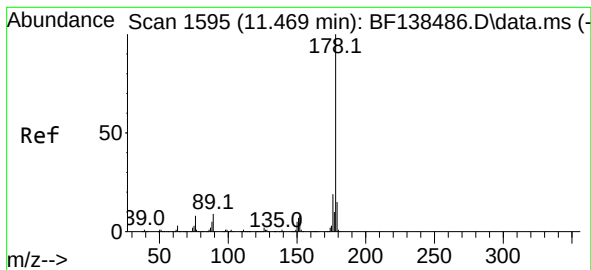
Supervised By :mohammad
ahmed
07/16/2024



#71
Phenanthrene
Concen: 16.569 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

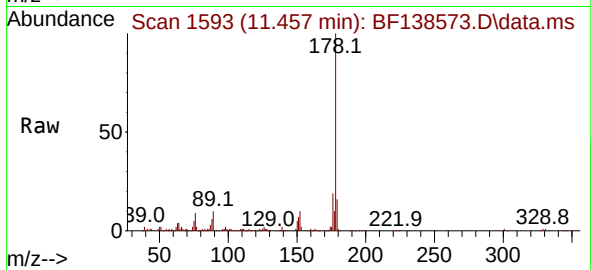
Tgt Ion:178 Resp: 254965
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 15.6 12.2 18.2





#72
 Anthracene
 Concen: 4.912 ng
 RT: 11.457 min Scan# 1595
 Delta R.T. -0.012 min
 Lab File: BF138573.D
 Acq: 15 Jul 2024 17:42

Instrument :
 BNA_F
 ClientSampleId :
 PILE-CAP

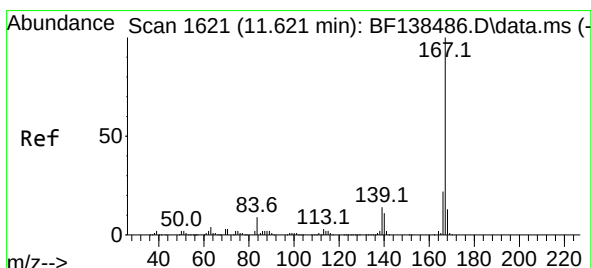
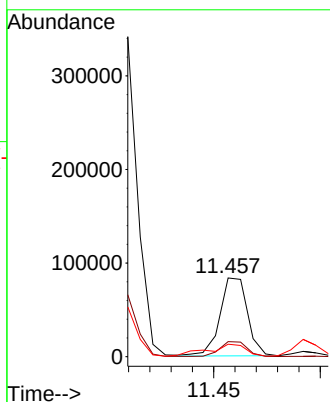
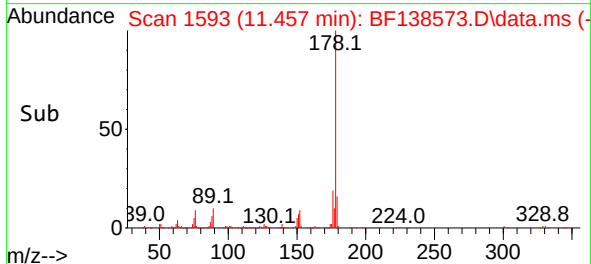


Tgt Ion:178 Resp: 75035
 Ion Ratio Lower Upper
 178 100
 176 19.1 14.8 22.2
 179 16.0 12.2 18.4

Manual Integrations
 APPROVED

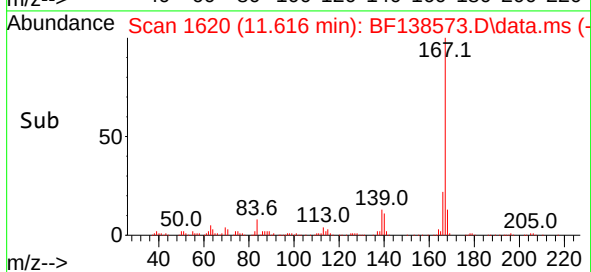
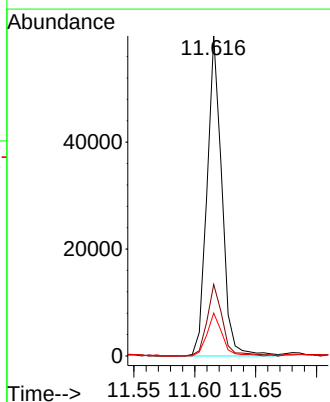
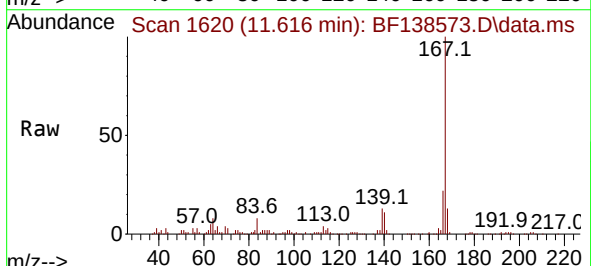
Reviewed By :Yogesh
 Patel
 07/16/2024

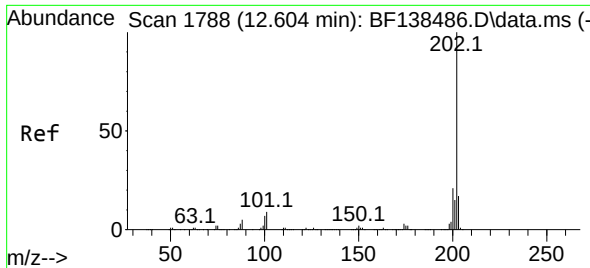
Supervised By :mohammad
 ahmed
 07/16/2024



#73
 Carbazole
 Concen: 3.684 ng
 RT: 11.616 min Scan# 1620
 Delta R.T. -0.006 min
 Lab File: BF138573.D
 Acq: 15 Jul 2024 17:42

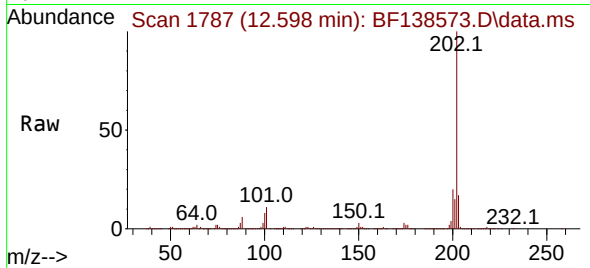
Tgt Ion:167 Resp: 50570
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.8 26.6
 139 13.4 11.0 16.4





#75
Fluoranthene
Concen: 23.975 ng
RT: 12.598 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

Instrument :
BNA_F
ClientSampleId :
PILE-CAP

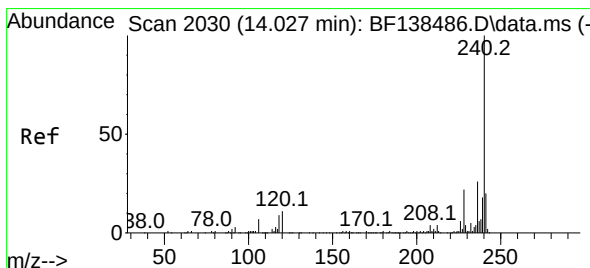
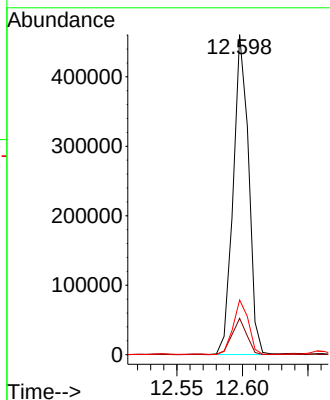
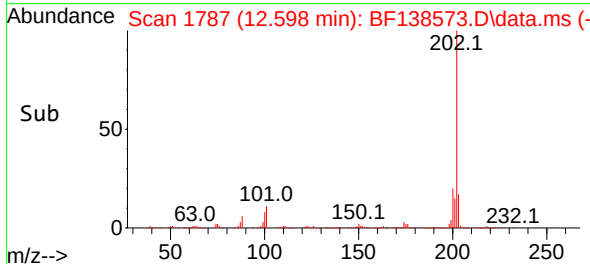


Tgt Ion:202 Resp: 37644
Ion Ratio Lower Upper
202 100
101 11.4 0.0 29.2
203 17.1 0.0 37.3

Manual Integrations
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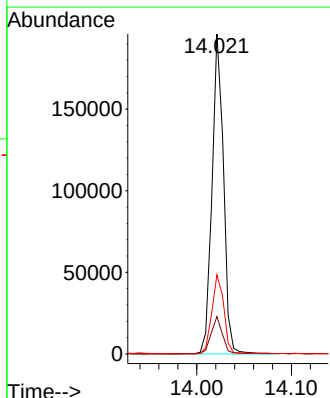
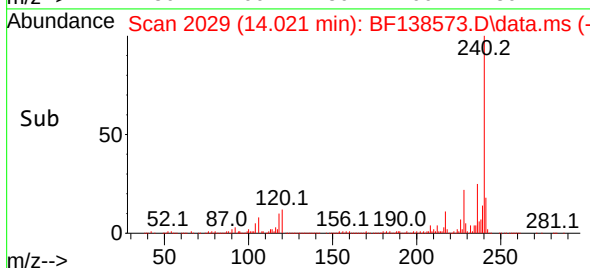
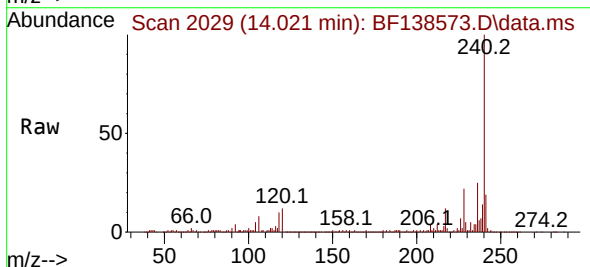
Reviewed By :Yogesh
Patel
07/16/2024

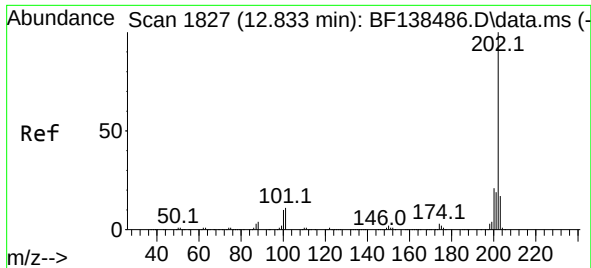
Supervised By :mohammad
ahmed
07/16/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

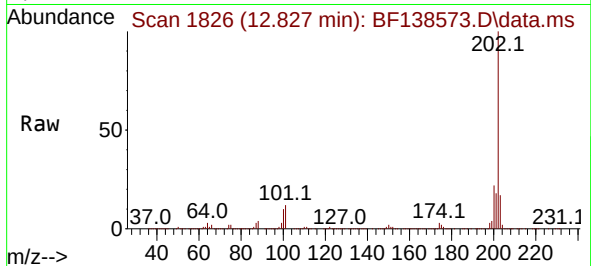
Tgt Ion:240 Resp: 164574
Ion Ratio Lower Upper
240 100
120 11.7 8.6 12.8
236 24.7 21.0 31.6





#78
Pyrene
Concen: 18.866 ng
RT: 12.827 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

Instrument :
BNA_F
ClientSampleId :
PILE-CAP

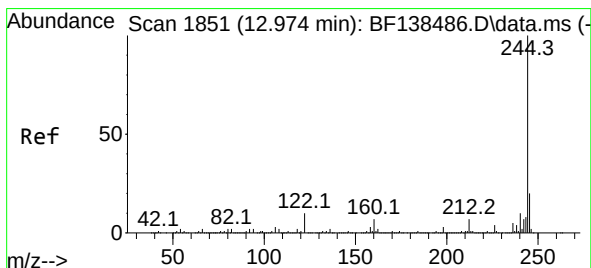
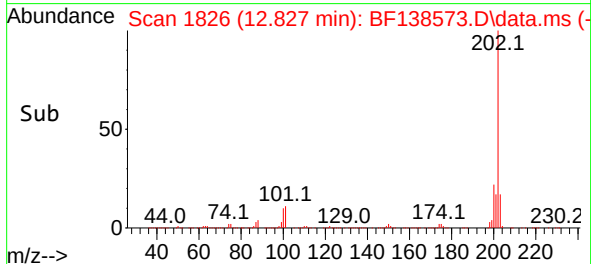
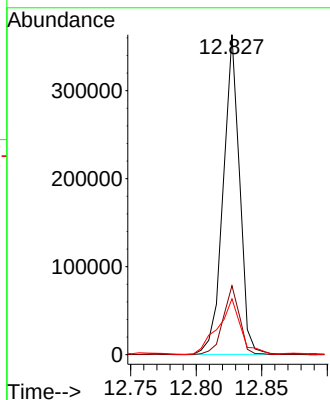


Tgt Ion:202 Resp: 315190
Ion Ratio Lower Upper
202 100
200 21.6 17.0 25.6
203 17.5 13.7 20.5

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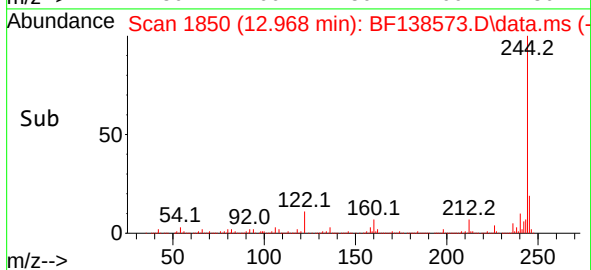
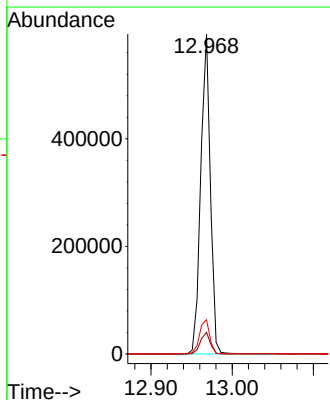
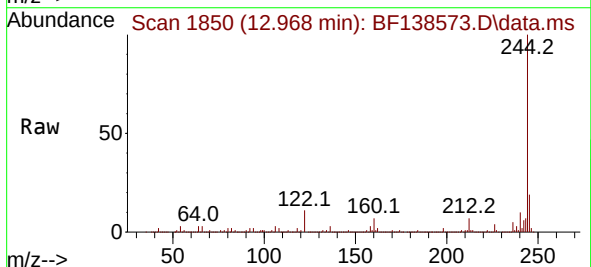
Reviewed By :Yogesh
Patel
07/16/2024

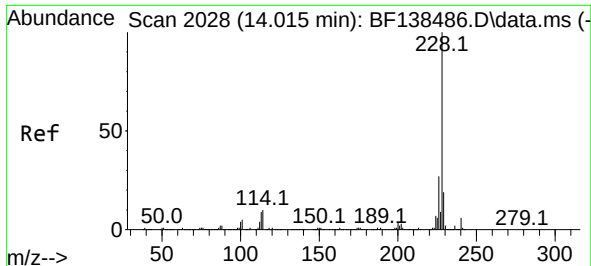
Supervised By :mohammad
ahmed
07/16/2024



#79
Terphenyl-d14
Concen: 48.435 ng
RT: 12.968 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

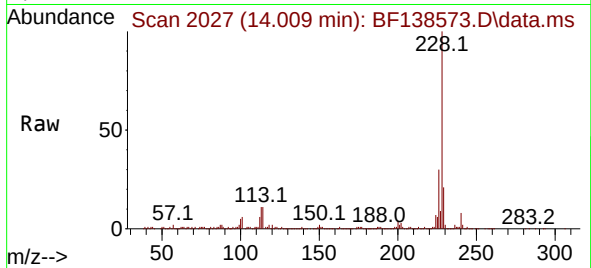
Tgt Ion:244 Resp: 489293
Ion Ratio Lower Upper
244 100
212 6.7 5.5 8.3
122 10.7 7.8 11.8





#81
Benzo(a)anthracene
Concen: 13.553 ng
RT: 14.009 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

Instrument :
BNA_F
ClientSampleId :
PILE-CAP

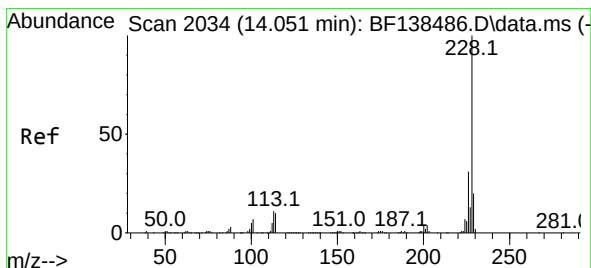
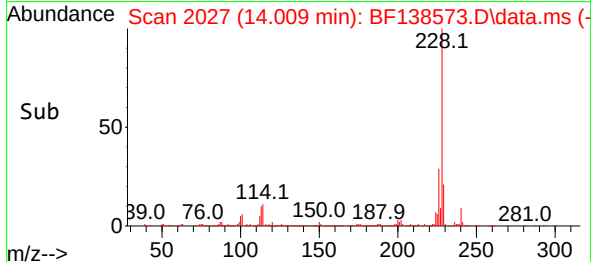
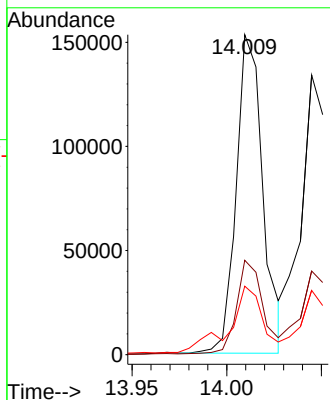


Tgt Ion:228 Resp: 149669
Ion Ratio Lower Upper
228 100
226 29.5 21.9 32.9
229 21.4 15.5 23.3

Manual Integrations
APPROVED

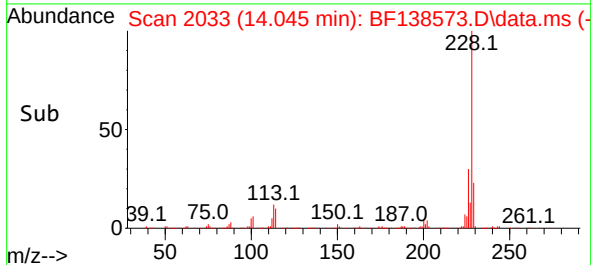
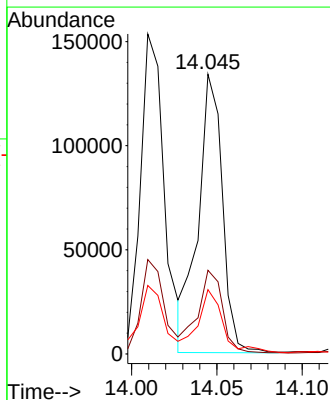
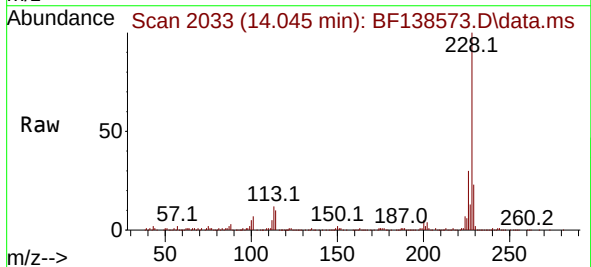
Reviewed By :Yogesh
Patel
07/16/2024

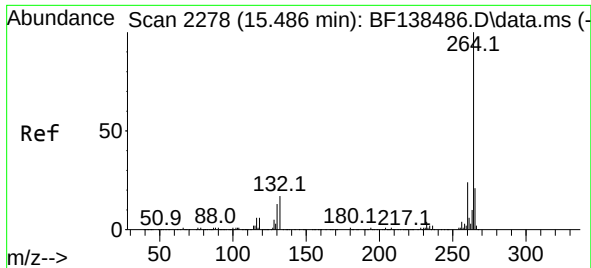
Supervised By :mohammad
ahmed
07/16/2024



#83
Chrysene
Concen: 12.681 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

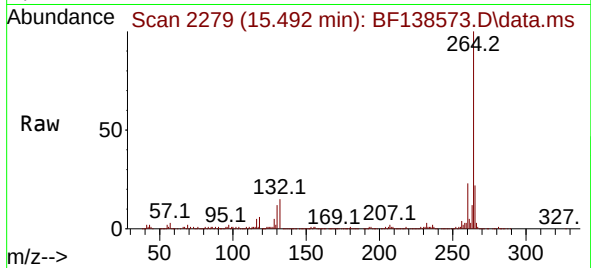
Tgt Ion:228 Resp: 132477
Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 23.0 16.0 24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

Instrument :
BNA_F
ClientSampleId :
PILE-CAP

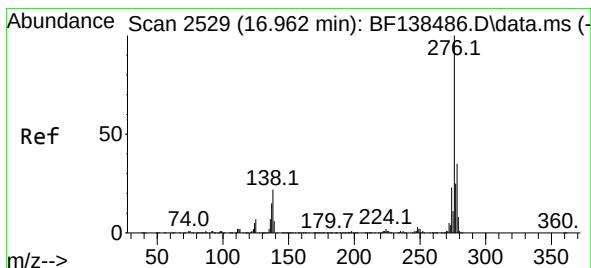
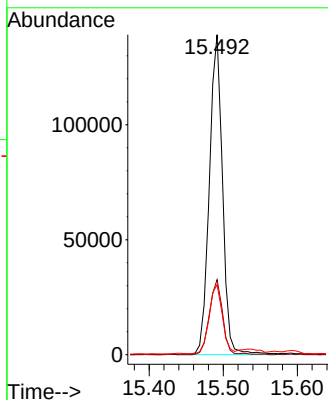
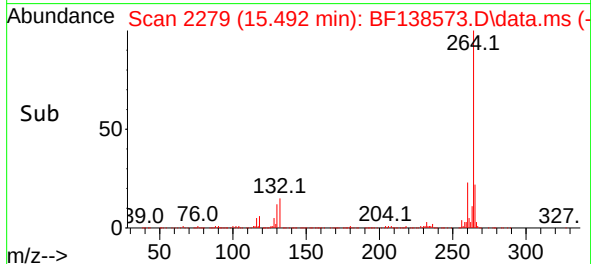


Tgt Ion:264 Resp: 17193
Ion Ratio Lower Upper
264 100
260 23.5 19.0 28.6
265 21.9 17.0 25.4

Manual Integrations
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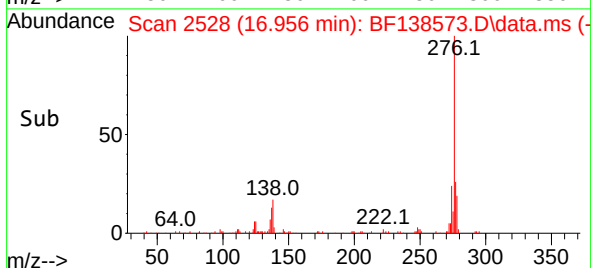
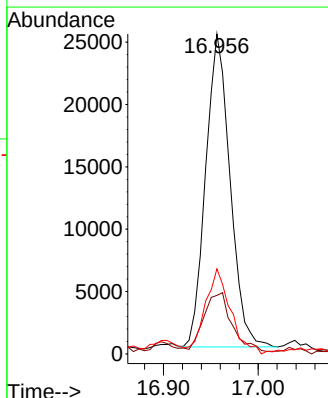
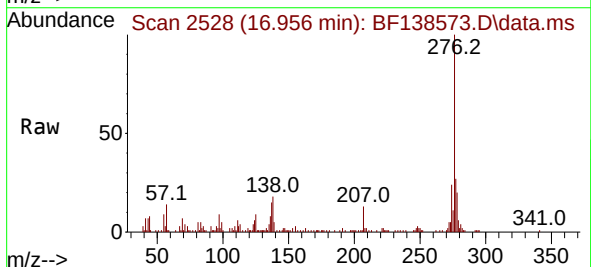
Reviewed By :Yogesh
Patel
07/16/2024

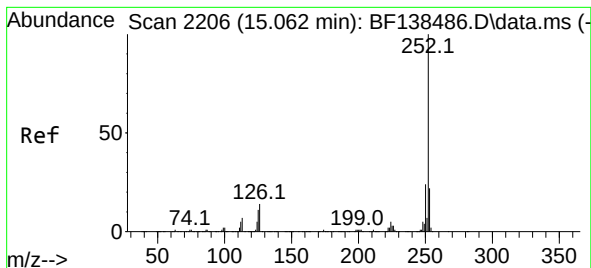
Supervised By :mohammad
ahmed
07/16/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.897 ng
RT: 16.956 min Scan# 2528
Delta R.T. -0.006 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

Tgt Ion:276 Resp: 45002
Ion Ratio Lower Upper
276 100
138 21.8 19.6 29.4
277 26.5 20.5 30.7





#88

Benzo(b)fluoranthene

Concen: 17.324 ng m

RT: 15.062 min Scan# 2110

Delta R.T. -0.000 min

Lab File: BF138573.D

Acq: 15 Jul 2024 17:42

Instrument :

BNA_F

ClientSampleId :

PILE-CAP

Tgt Ion:252 Resp: 16774

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 11.6 8.6 13.0

Manual Integrations

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Reviewed By :Yogesh

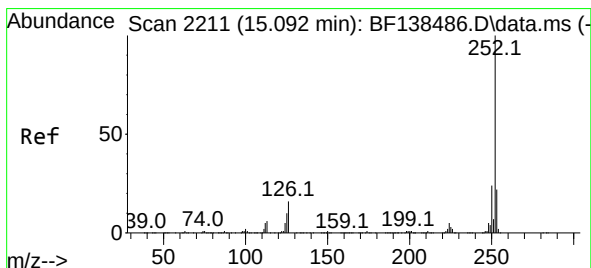
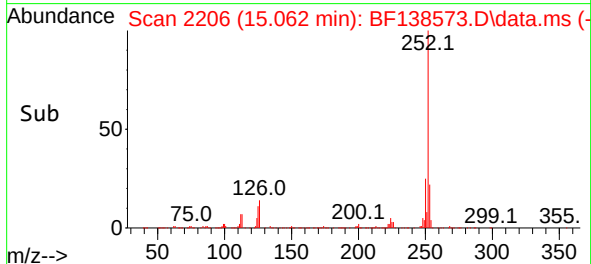
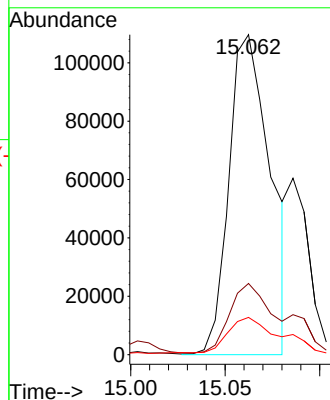
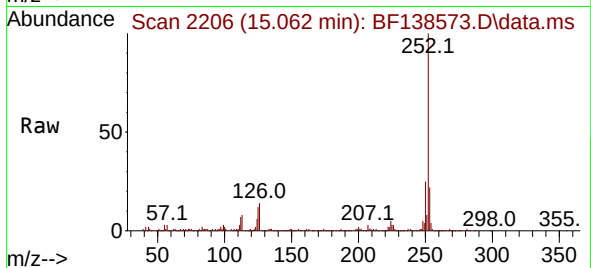
Patel

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Supervised By :mohammad

ahmed

07/16/2024



#89

Benzo(k)fluoranthene

Concen: 5.223 ng m

RT: 15.086 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF138573.D

Acq: 15 Jul 2024 17:42

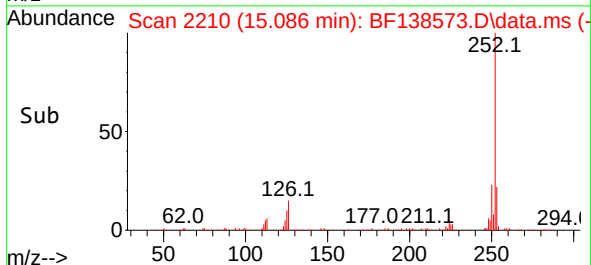
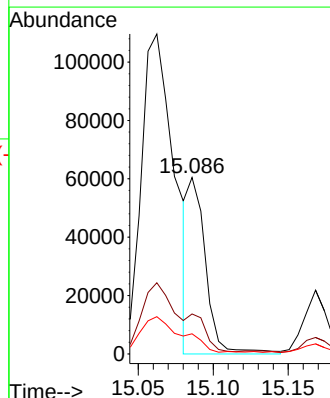
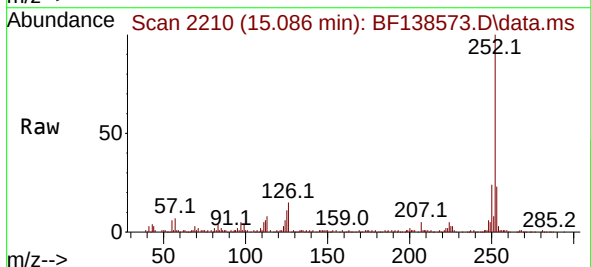
Tgt Ion:252 Resp: 49327

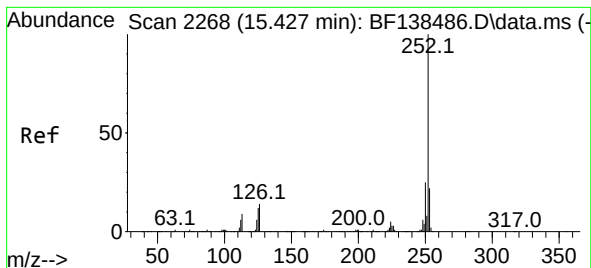
Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

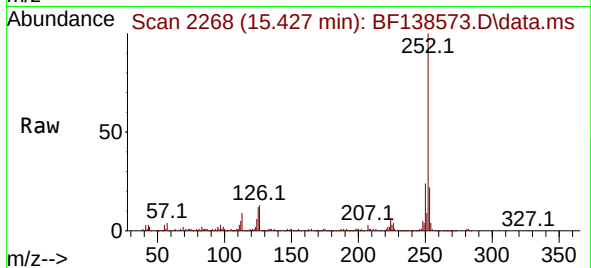
125 11.4 8.1 12.1





#90
Benzo(a)pyrene
Concen: 12.636 ng
RT: 15.427 min Scan# 210
Delta R.T. -0.000 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

Instrument :
BNA_F
ClientSampleId :
PILE-CAP

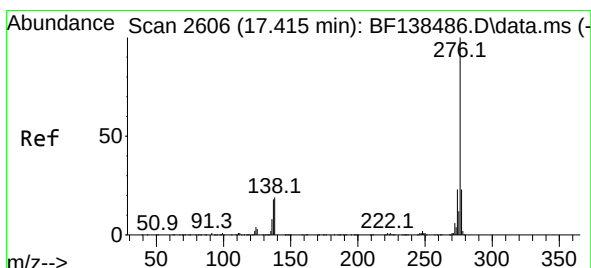
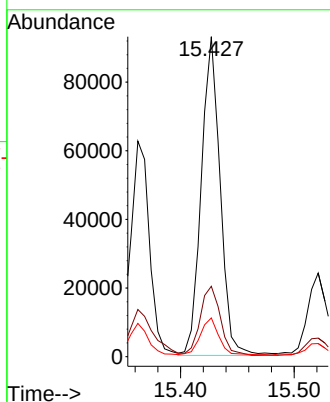
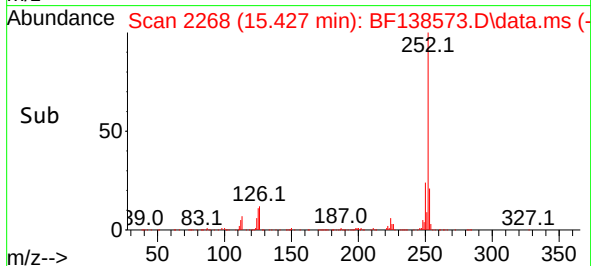


Tgt Ion:252 Resp: 10748
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.0
125 12.1 9.4 14.2

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel
07/16/2024

Supervised By :mohammad
ahmed
07/16/2024



#92
Benzo(g,h,i)perylene
Concen: 4.254 ng
RT: 17.403 min Scan# 2604
Delta R.T. -0.012 min
Lab File: BF138573.D
Acq: 15 Jul 2024 17:42

Tgt Ion:276 Resp: 42611
Ion Ratio Lower Upper
276 100
277 25.8 18.0 27.0
138 20.4 15.5 23.3

