

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061522\
 Data File : BF128823.D
 Acq On : 15 Jun 2022 13:36
 Operator : CG\JU
 Sample : N3337-01DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061322DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/16/2022
 Supervised By :mohammad ahmed 06/22/2022

Quant Time: Jun 15 14:00:04 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 14 14:53:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	87245	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	340534	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	194024	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	307923	20.000	ng	# 0.00
76) Chrysene-d12	13.957	240	190446	20.000	ng	# 0.00
86) Perylene-d12	15.415	264	182511	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	44972	8.211	ng	0.00
7) Phenol-d6	6.434	99	60808	9.095	ng	0.00
23) Nitrobenzene-d5	7.339	82	41615	5.690	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	12565	5.481	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	85067	6.142	ng	0.00
79) Terphenyl-d14	12.898	244	66893	6.103	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.086	128	131233	7.509	ng	99
37) 2-Methylnaphthalene	8.775	142	33021	2.971	ng	95
38) 1-Methylnaphthalene	8.875	142	26969	2.511	ng	97
52) Acenaphthene	9.851	154	116451	10.515	ng	98
55) Dibenzofuran	10.027	168	129665	8.147	ng	98
58) Fluorene	10.369	166	166197	13.465	ng	98
71) Phenanthrene	11.339	178	1150417	74.486	ng	99
72) Anthracene	11.386	178	366152	23.952	ng	98
73) Carbazole	11.545	167	57787	4.070	ng	99
75) Fluoranthene	12.533	202	1299520	80.494	ng	97
78) Pyrene	12.763	202	1048014	73.965	ng	99
81) Benzo(a)anthracene	13.951	228	529403	44.596	ng	99
83) Chrysene	13.986	228	434116	38.357	ng	97
87) Indeno(1,2,3-cd)pyrene	16.856	276	181689	16.517	ng	# 86
88) Benzo(b)fluoranthene	14.998	252	534953m	45.871	ng	
89) Benzo(k)fluoranthene	15.021	252	203429m	18.543	ng	
90) Benzo(a)pyrene	15.357	252	406858m	44.387	ng	
91) Dibenzo(a,h)anthracene	16.862	278	47556m	5.212	ng	
92) Benzo(g,h,i)perylene	17.292	276	157147	17.377	ng	# 90

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

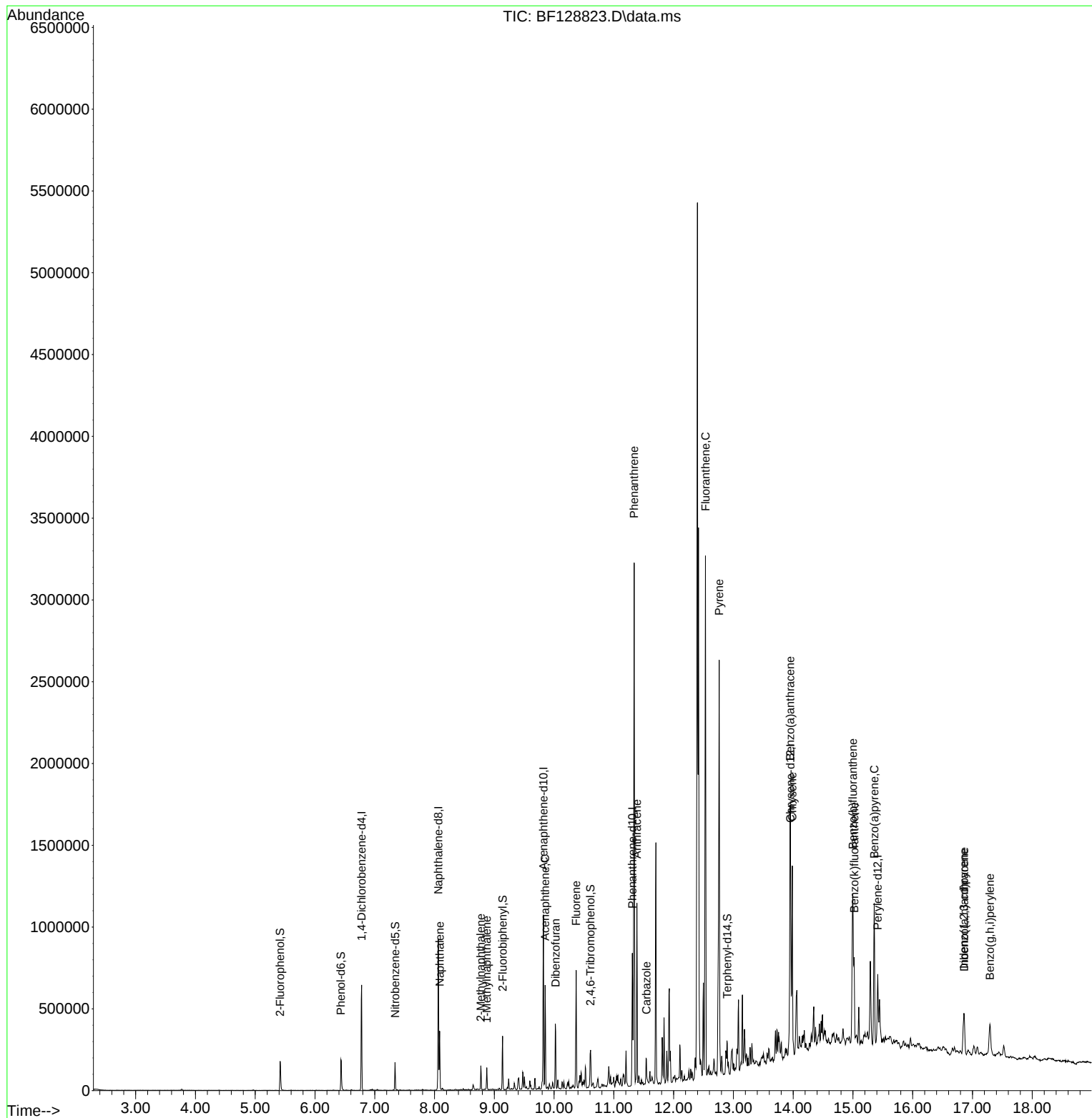
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061522\
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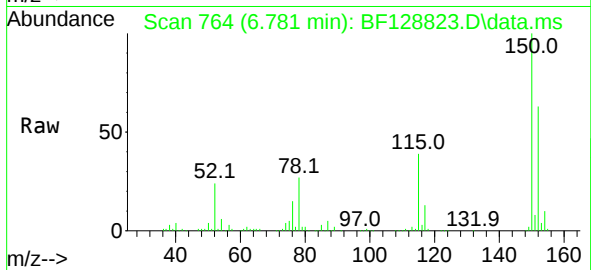
Reviewed By :Jagrut Upadhyay 06/16/2022
Supervised By :mohammad ahmed 06/22/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

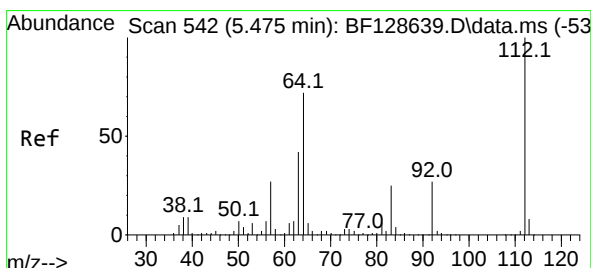
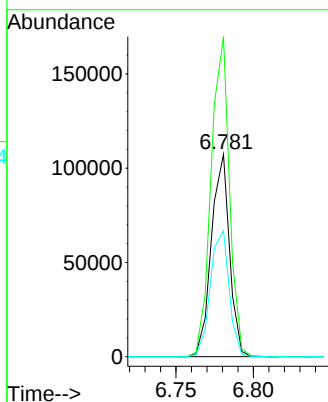
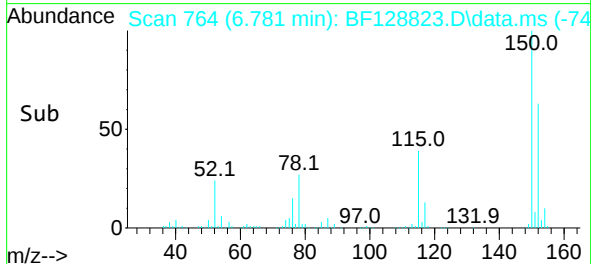
Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL



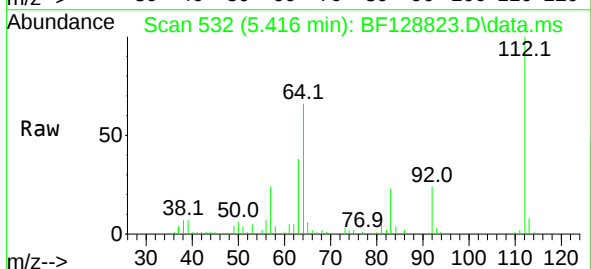
Tgt Ion:152 Resp: 87245
Ion Ratio Lower Upper
152 100
150 158.1 123.7 185.5
115 62.2 49.9 74.9

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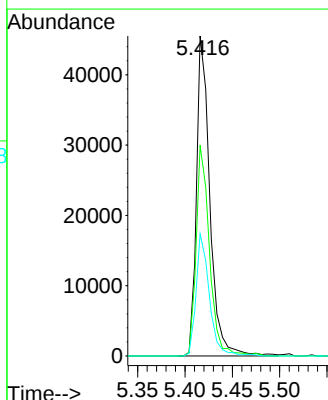
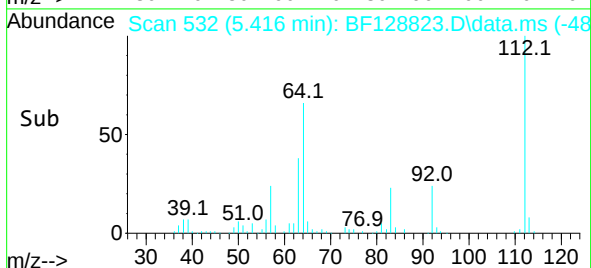
Reviewed By :Jagrut Upadhyay 06/16/2022
Supervised By :mohammad ahmed 06/22/2022

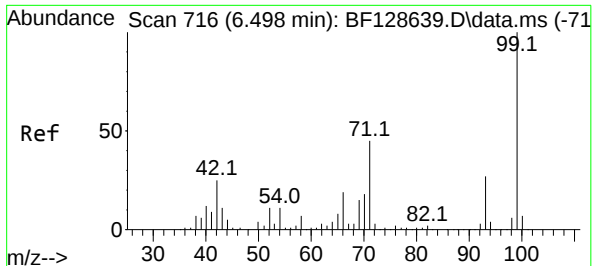


#5
2-Fluorophenol
Concen: 8.211 ng
RT: 5.416 min Scan# 532
Delta R.T. -0.000 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36



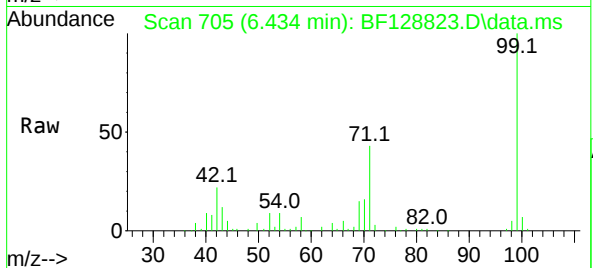
Tgt Ion:112 Resp: 44972
Ion Ratio Lower Upper
112 100
64 65.8 53.3 79.9
63 38.1 28.0 42.0





#7
Phenol-d6
Concen: 9.095 ng
RT: 6.434 min Scan# 705
Delta R.T. -0.006 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

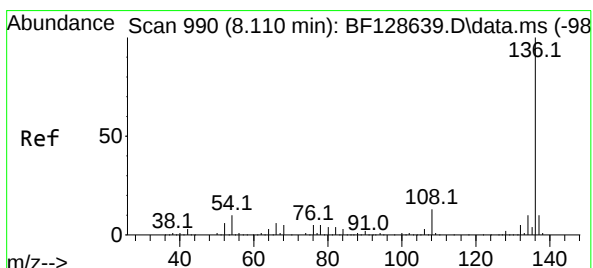
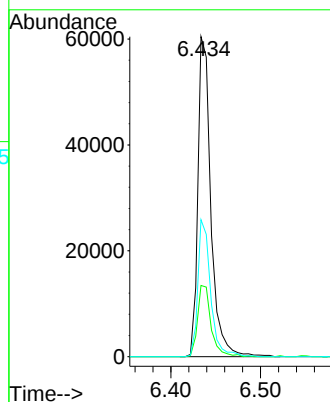
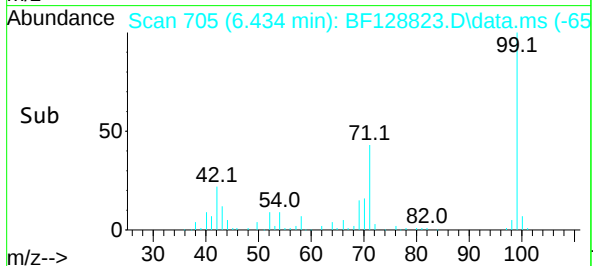
Instrument :
BNA_F
ClientSampleId :
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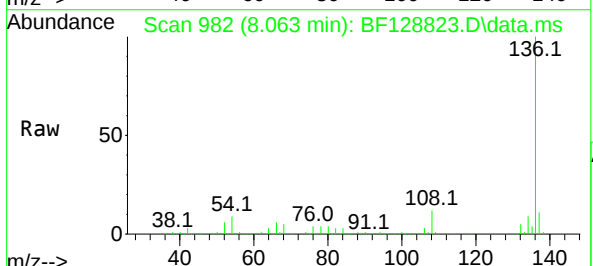
Tgt Ion: 99 Resp: 60808
Ion Ratio Lower Upper
99 100
42 22.3 17.3 25.9
71 42.8 28.9 43.3

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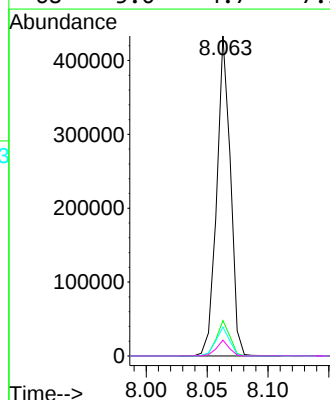
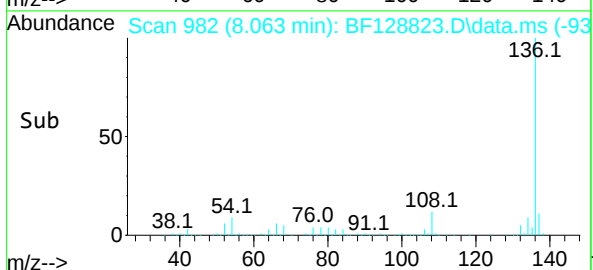
Reviewed By :Jagrut Upadhyay 06/16/2022
Supervised By :mohammad ahmed 06/22/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36



Tgt Ion:136 Resp: 340534
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 9.1 7.5 11.3
68 5.0 4.7 7.1





#23

Nitrobenzene-d5

Concen: 5.690 ng

RT: 7.339 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF128823.D

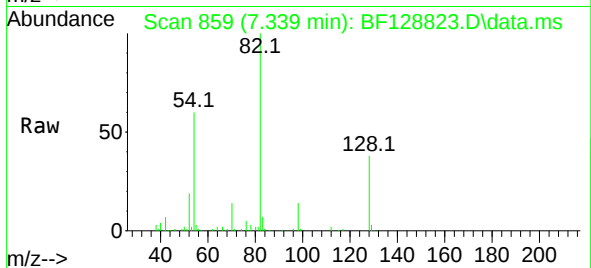
Acq: 15 Jun 2022 13:36

Instrument :

BNA_F

ClientSampleId :

SU-02-061322DL

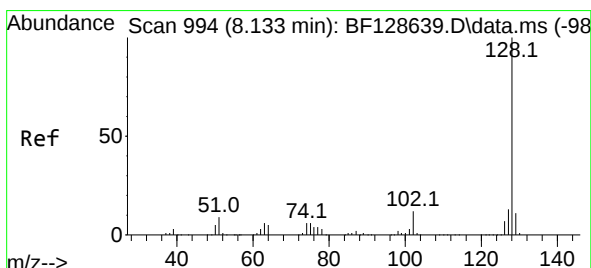
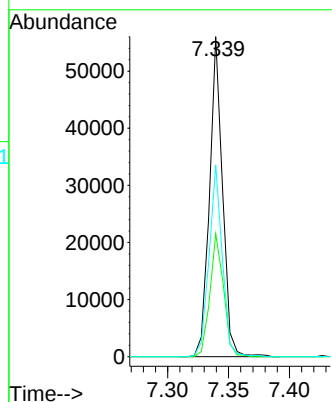
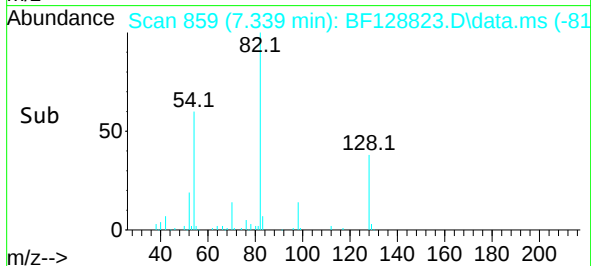


Tgt Ion:	82	Resp:	4161
Ion Ratio	Lower	Upper	
82	100		
128	38.4	34.0	51.0
54	60.0	46.9	70.3

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Reviewed By :Jagrut Upadhyay 06/16/2022
Supervised By :mohammad ahmed 06/22/2022



#31

Naphthalene

Concen: 7.509 ng

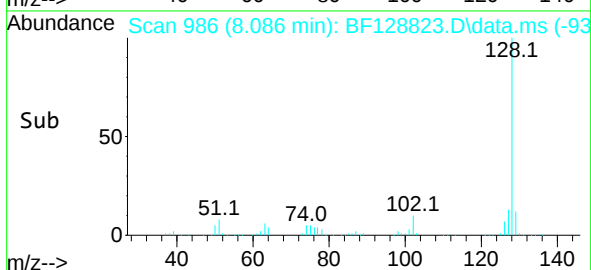
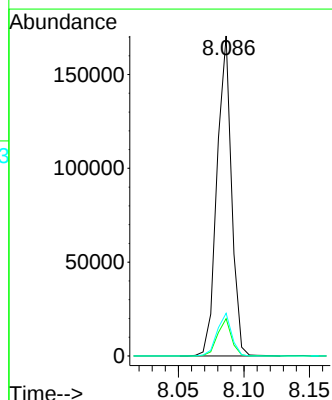
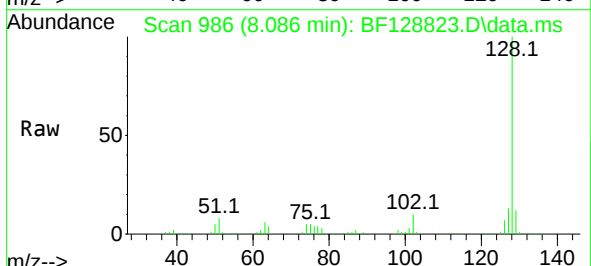
RT: 8.086 min Scan# 986

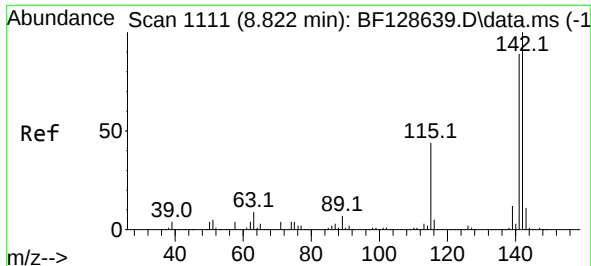
Delta R.T. -0.006 min

Lab File: BF128823.D

Acq: 15 Jun 2022 13:36

Tgt Ion:	128	Resp:	131233
Ion Ratio	Lower	Upper	
128	100		
129	11.7	9.2	13.8
127	13.4	10.5	15.7





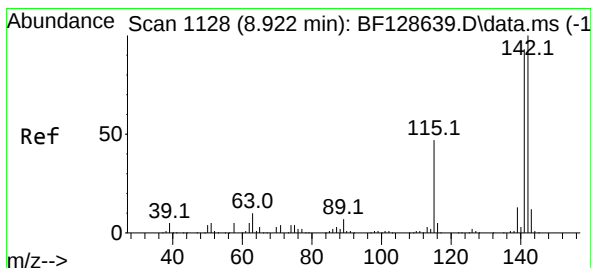
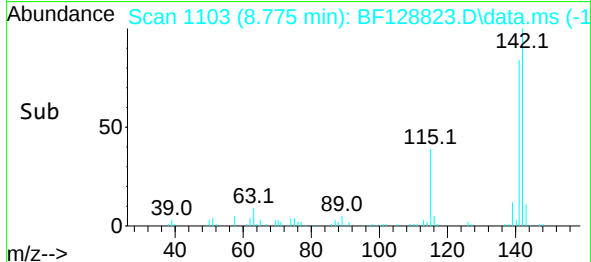
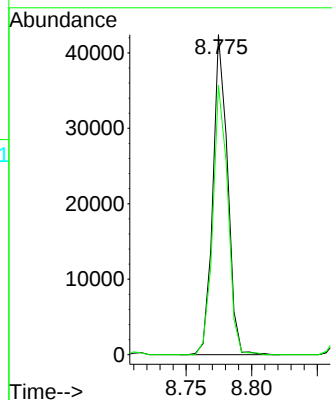
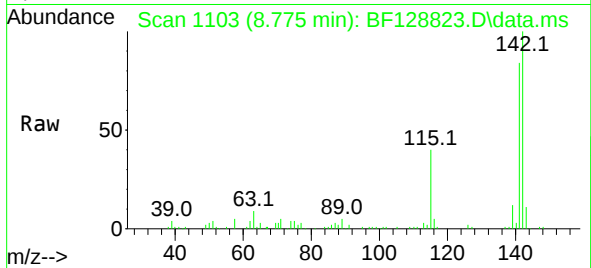
#37
2-Methylnaphthalene
Concen: 2.971 ng
RT: 8.775 min Scan# 1111
Delta R.T. -0.006 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL

Tgt Ion:142 Resp: 3302
Ion Ratio Lower Upper
142 100
141 84.2 71.0 106.4

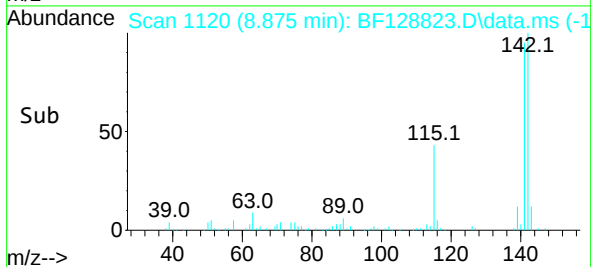
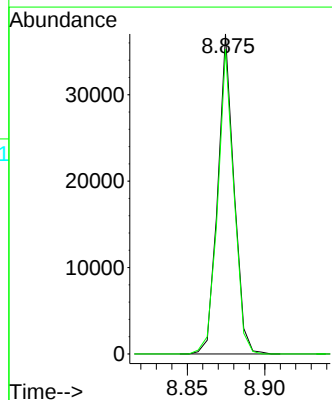
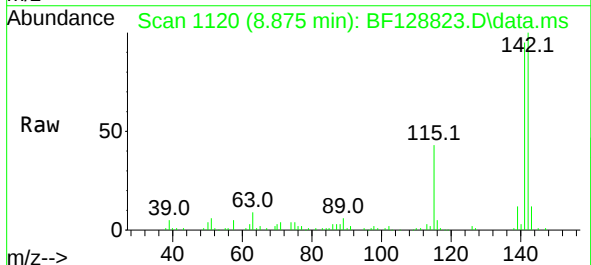
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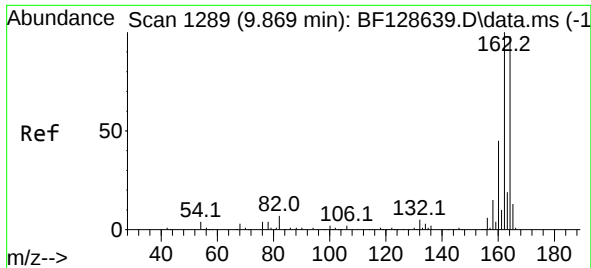
Reviewed By :Jagrut Upadhyay 06/16/2022
Supervised By :mohammad ahmed 06/22/2022



#38
1-Methylnaphthalene
Concen: 2.511 ng
RT: 8.875 min Scan# 1120
Delta R.T. -0.006 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

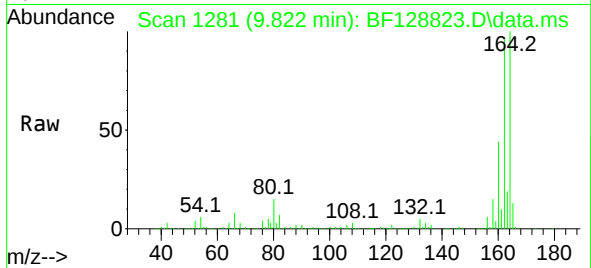
Tgt Ion:142 Resp: 26969
Ion Ratio Lower Upper
142 100
141 95.3 74.2 111.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

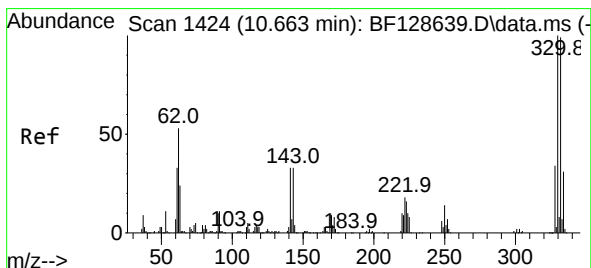
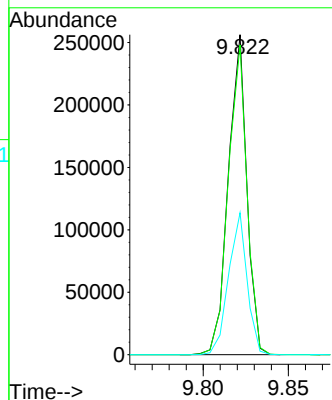
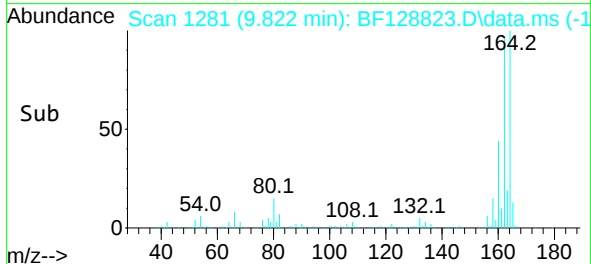
Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL



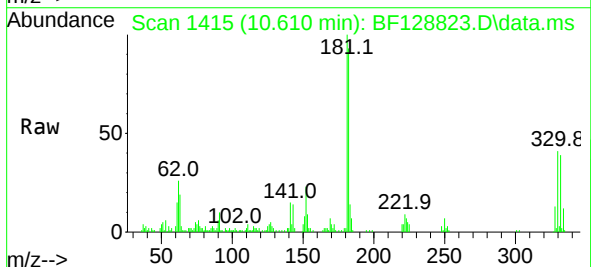
Tgt Ion:164 Resp: 194024
Ion Ratio Lower Upper
164 100
162 96.8 79.5 119.3
160 44.4 34.2 51.4

Manual Integrations
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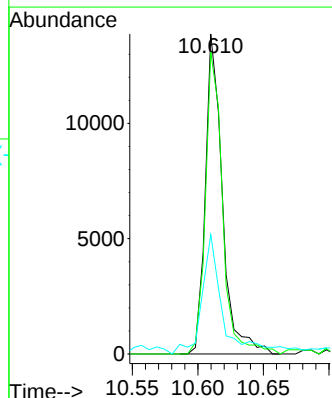
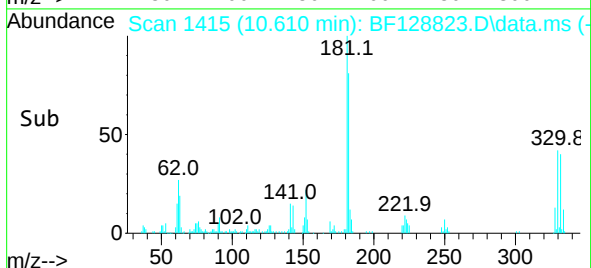
Reviewed By :Jagrut Upadhyay 06/16/2022
Supervised By :mohammad ahmed 06/22/2022

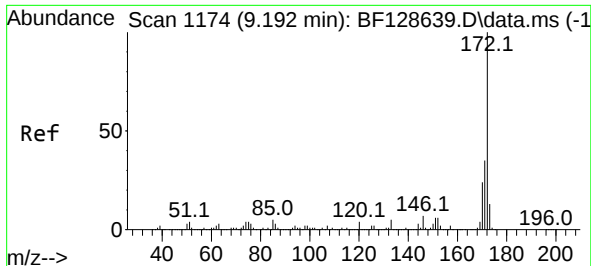


#42
2,4,6-Tribromophenol
Concen: 5.481 ng
RT: 10.610 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36



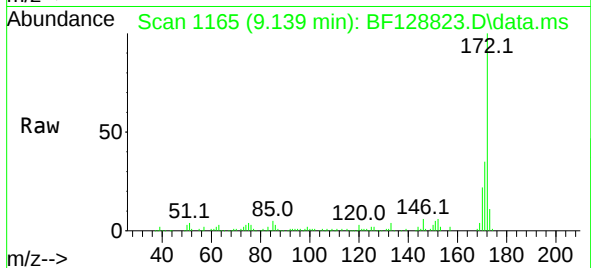
Tgt Ion:330 Resp: 12565
Ion Ratio Lower Upper
330 100
332 94.9 76.8 115.2
141 46.4 28.0 42.0#





#45
2-Fluorobiphenyl
Concen: 6.142 ng
RT: 9.139 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

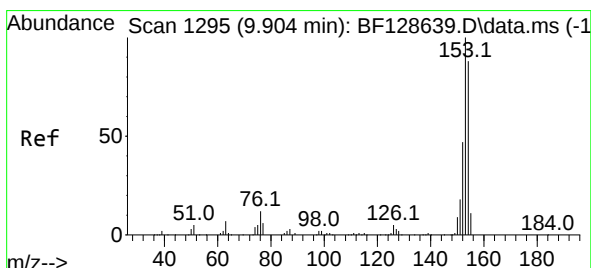
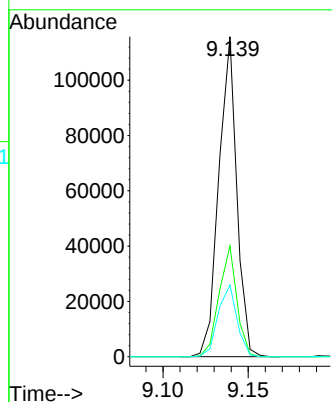
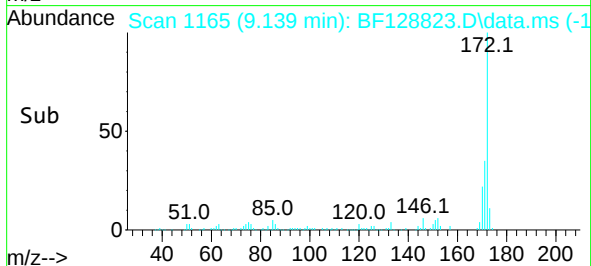
Instrument :
BNA_F
ClientSampleId :
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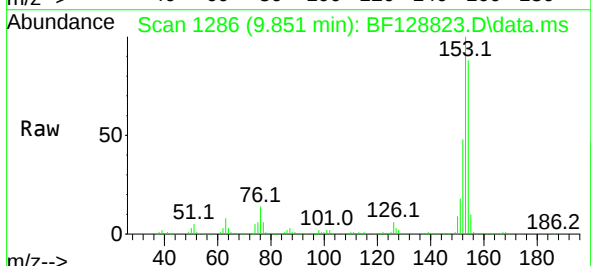
Tgt Ion:172 Resp: 8506
Ion Ratio Lower Upper
172 100
171 34.6 28.8 43.2
170 22.4 19.8 29.8

Manual Integrations
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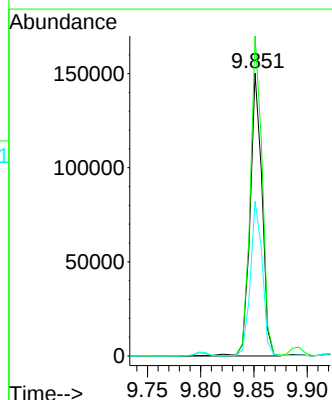
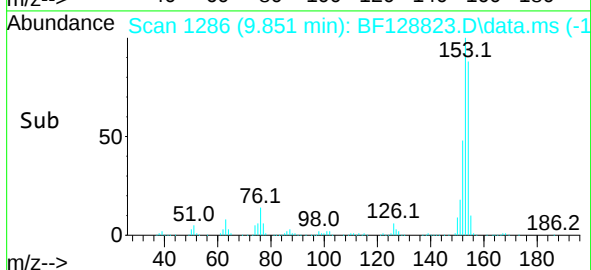
Reviewed By :Jagrut Upadhyay 06/16/2022
Supervised By :mohammad ahmed 06/22/2022

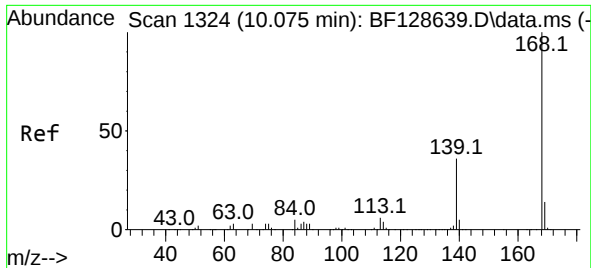


#52
Acenaphthene
Concen: 10.515 ng
RT: 9.851 min Scan# 1286
Delta R.T. -0.012 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36



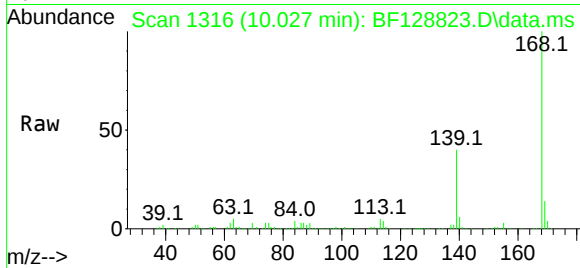
Tgt Ion:154 Resp: 116451
Ion Ratio Lower Upper
154 100
153 113.2 89.6 134.4
152 54.7 42.4 63.6





#55
Dibenzenofuran
Concen: 8.147 ng
RT: 10.027 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

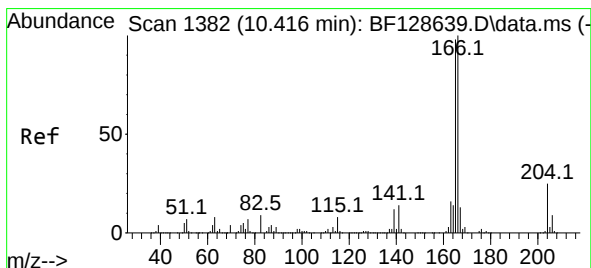
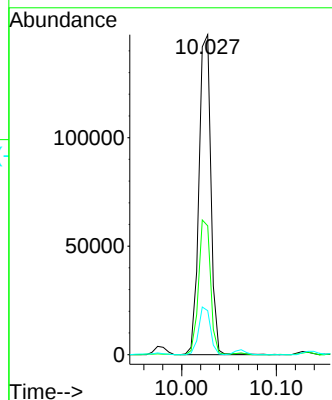
Instrument :
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ClientSampleId :
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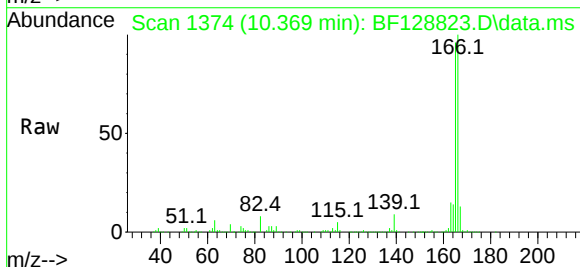
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Ion Ratio Lower Upper
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139 40.3 30.6 46.0
169 13.7 11.0 16.6

Manual Integrations
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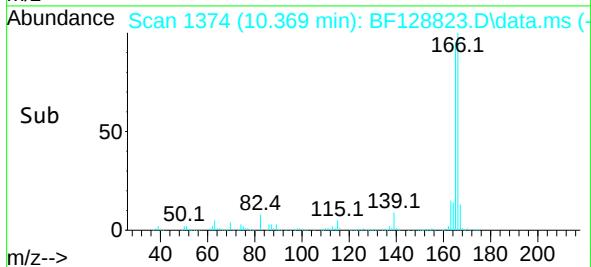
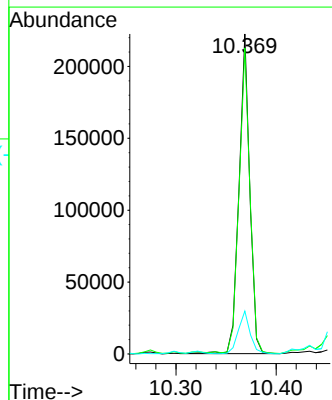
Reviewed By :Jagrut Upadhyay 06/16/2022
Supervised By :mohammad ahmed 06/22/2022

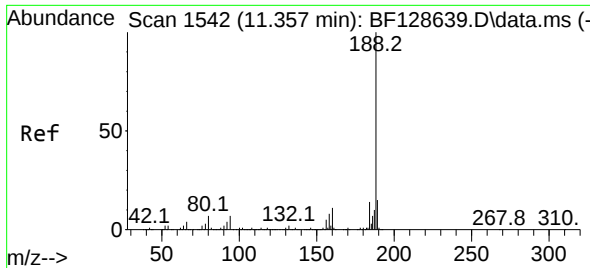


#58
Fluorene
Concen: 13.465 ng
RT: 10.369 min Scan# 1374
Delta R.T. -0.006 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36



Tgt Ion:166 Resp: 166197
Ion Ratio Lower Upper
166 100
165 95.7 78.1 117.1
167 13.4 10.5 15.7





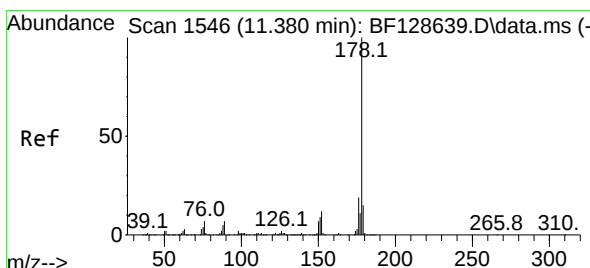
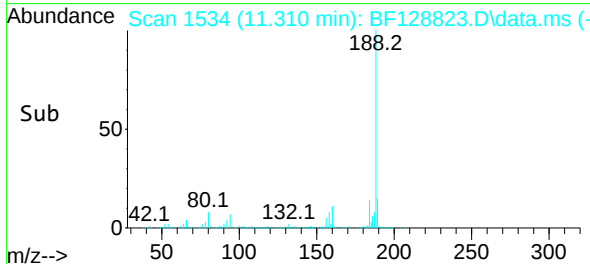
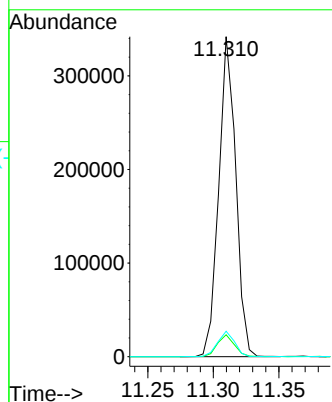
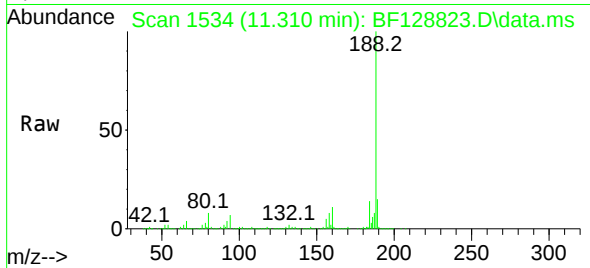
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1539
Delta R.T. -0.006 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL

Tgt Ion:188 Resp: 307923
Ion Ratio Lower Upper
188 100
94 6.9 7.0 10.6
80 7.9 7.6 11.4

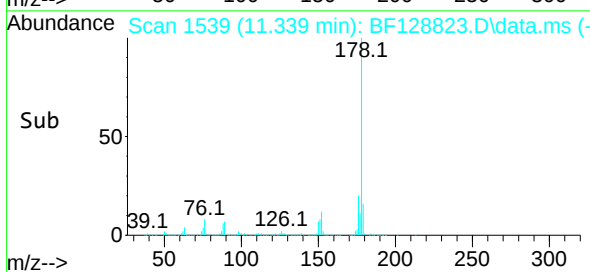
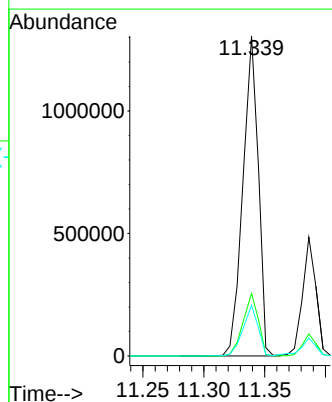
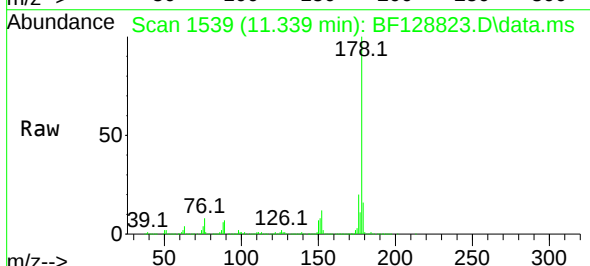
Manual Integrations
APPROVED

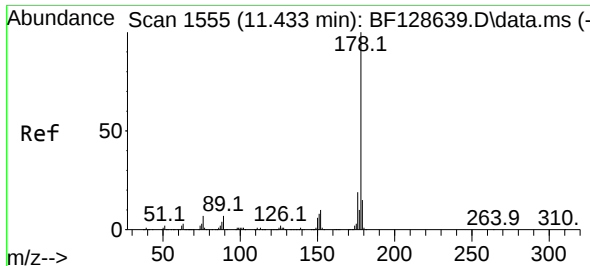
Reviewed By :Jagrut Upadhyay 06/16/2022
Supervised By :mohammad ahmed 06/22/2022



#71
Phenanthrene
Concen: 74.486 ng
RT: 11.339 min Scan# 1539
Delta R.T. -0.000 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

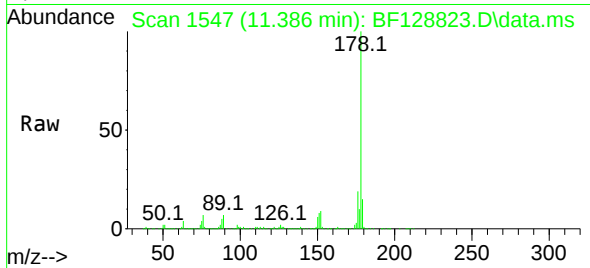
Tgt Ion:178 Resp: 1150417
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.9 12.6 19.0





#72
 Anthracene
 Concen: 23.952 ng
 RT: 11.386 min Scan# 1154
 Delta R.T. -0.006 min
 Lab File: BF128823.D
 Acq: 15 Jun 2022 13:36

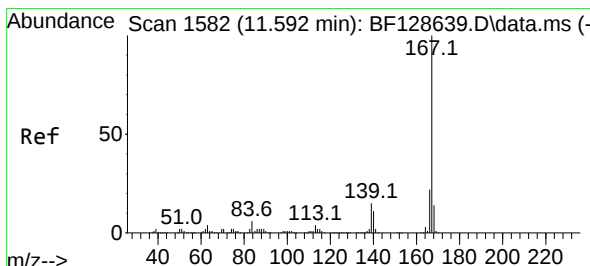
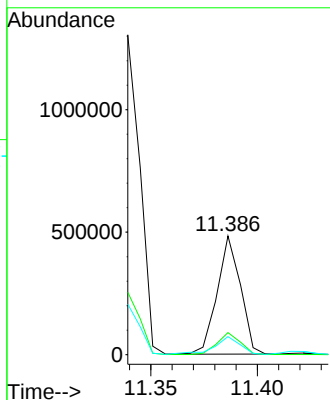
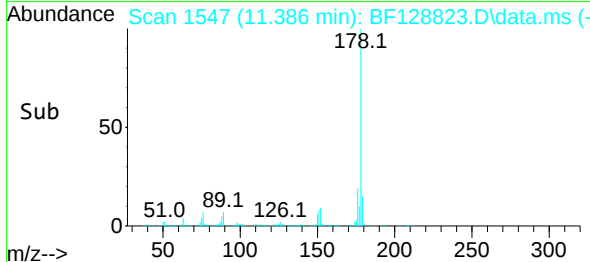
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061322DL



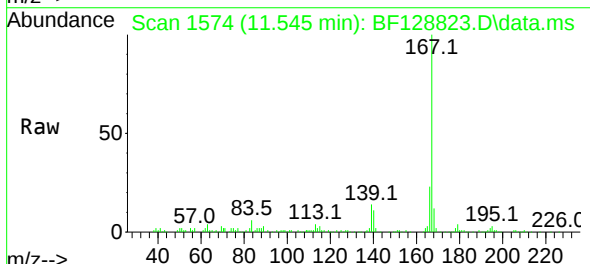
Tgt Ion:178 Resp: 366152
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.4 23.2
 179 15.2 12.6 19.0

Manual Integrations
 APPROVED

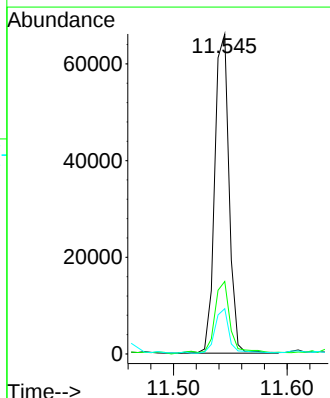
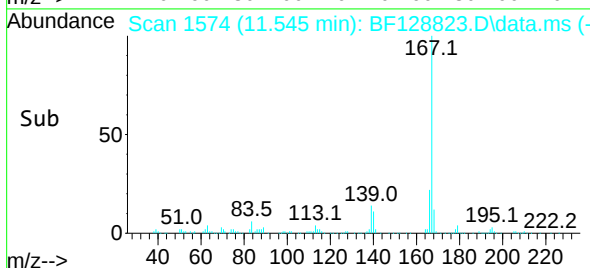
Reviewed By :Jagrut Upadhyay 06/16/2022
 Supervised By :mohammad ahmed 06/22/2022

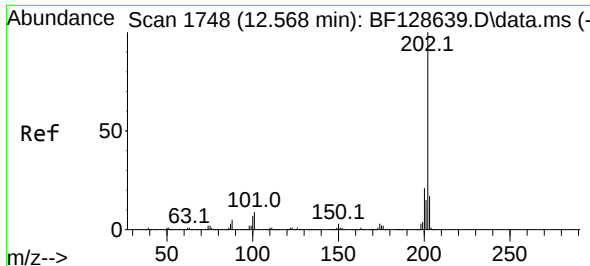


#73
 Carbazole
 Concen: 4.070 ng
 RT: 11.545 min Scan# 1574
 Delta R.T. -0.006 min
 Lab File: BF128823.D
 Acq: 15 Jun 2022 13:36



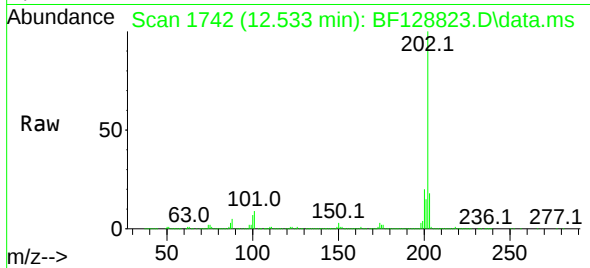
Tgt Ion:167 Resp: 57787
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.7 26.5
 139 14.2 11.2 16.8





#75
Fluoranthene
Concen: 80.494 ng
RT: 12.533 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

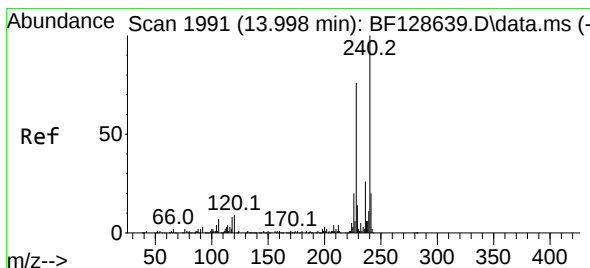
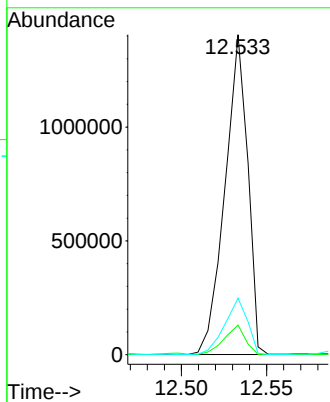
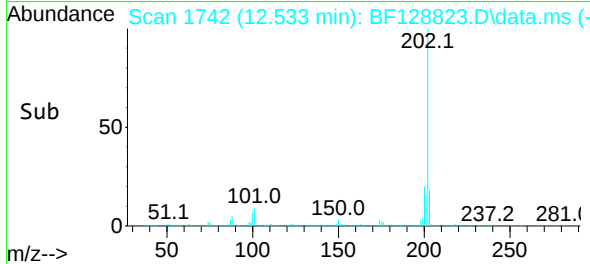
Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL



Tgt Ion:202 Resp: 1299520
Ion Ratio Lower Upper
202 100
101 9.3 0.0 31.4
203 17.6 0.0 38.0

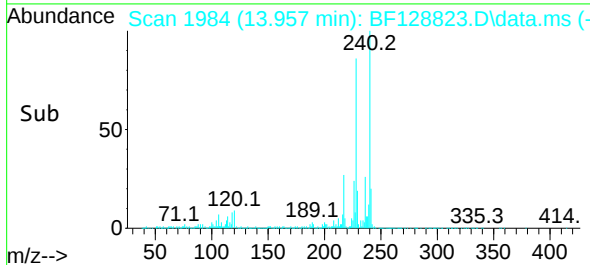
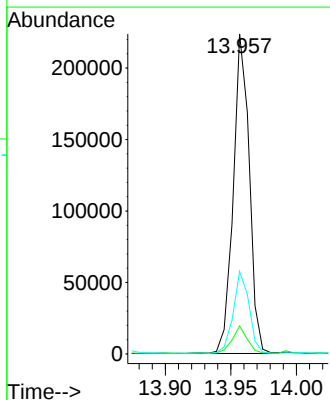
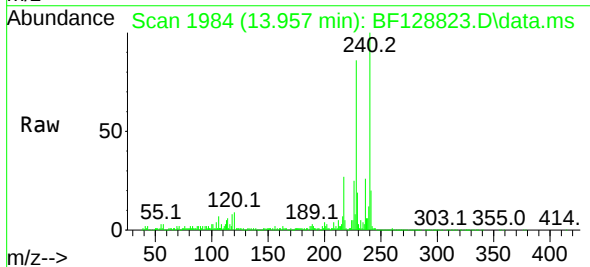
Manual Integrations
APPROVED

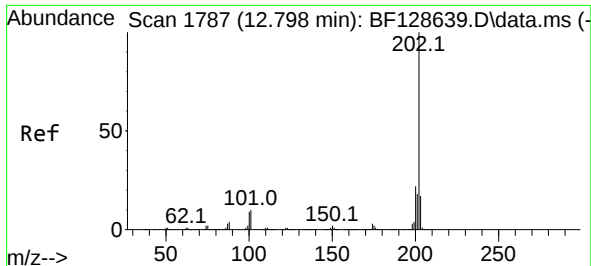
Reviewed By :Jagrut Upadhyay 06/16/2022
Supervised By :mohammad ahmed 06/22/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 1984
Delta R.T. -0.006 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

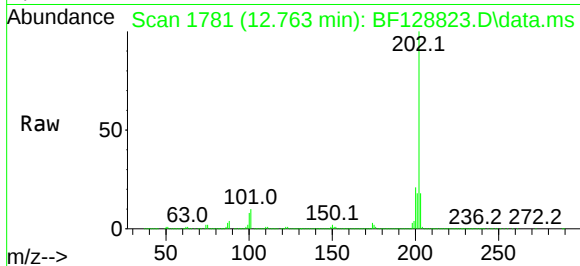
Tgt Ion:240 Resp: 190446
Ion Ratio Lower Upper
240 100
120 8.8 8.9 13.3#
236 25.8 20.8 31.2





#78
Pyrene
Concen: 73.965 ng
RT: 12.763 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

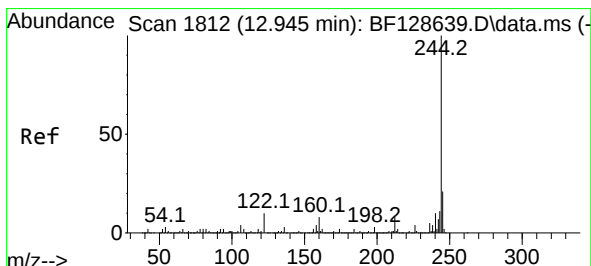
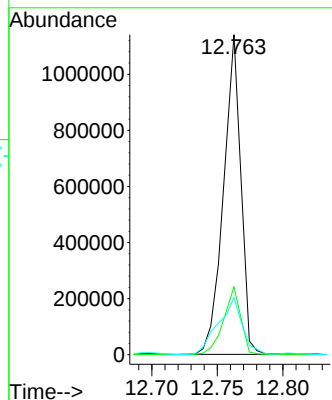
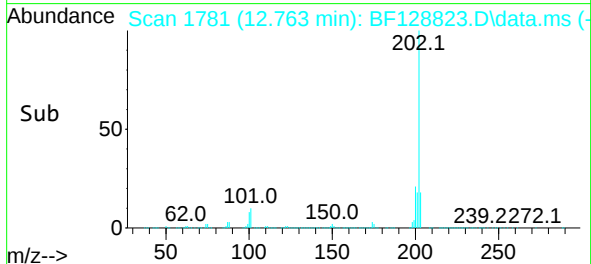
Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL



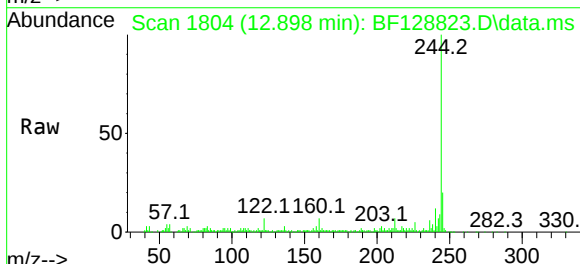
Tgt Ion:202 Resp: 1048014
Ion Ratio Lower Upper
202 100
200 21.2 17.7 26.5
203 17.9 14.6 21.8

Manual Integrations
APPROVED

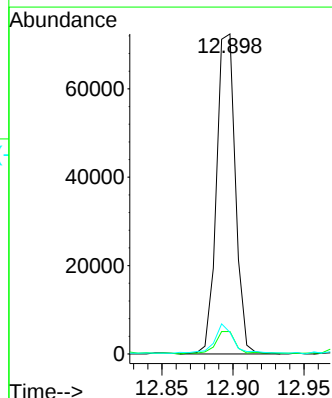
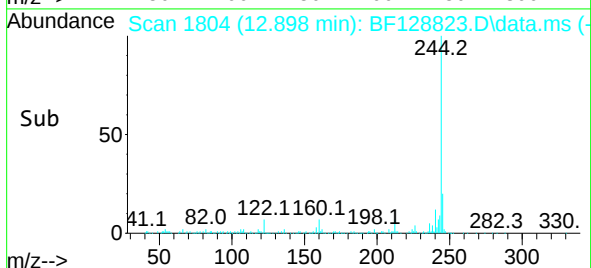
Reviewed By :Jagrut Upadhyay 06/16/2022
Supervised By :mohammad ahmed 06/22/2022

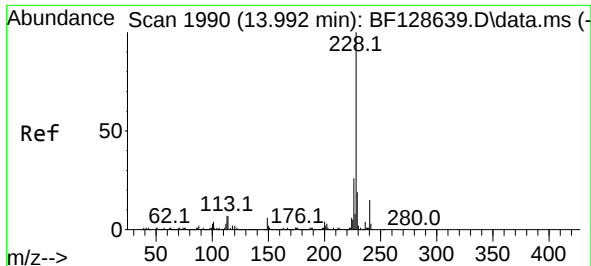


#79
Terphenyl-d14
Concen: 6.103 ng
RT: 12.898 min Scan# 1804
Delta R.T. -0.006 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36



Tgt Ion:244 Resp: 66893
Ion Ratio Lower Upper
244 100
212 7.0 6.1 9.1
122 6.8 8.8 13.2#





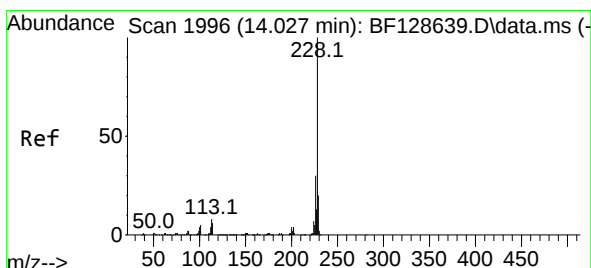
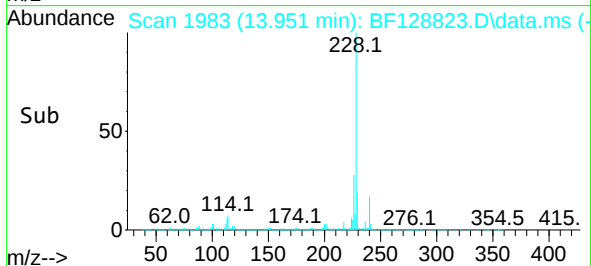
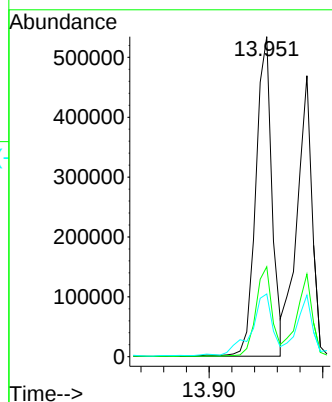
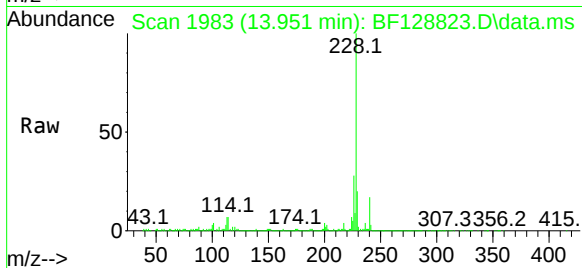
#81
Benzo(a)anthracene
Concen: 44.596 ng
RT: 13.951 min Scan# 1983
Delta R.T. -0.000 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL

Tgt Ion:228 Resp: 52940
Ion Ratio Lower Upper
228 100
226 28.1 22.1 33.1
229 19.6 15.8 23.8

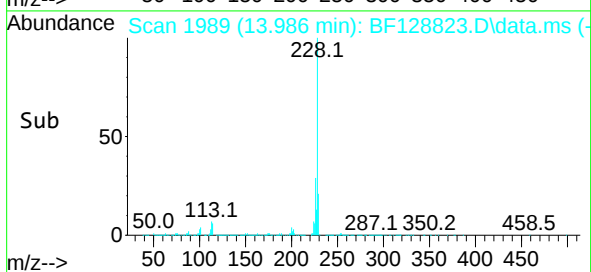
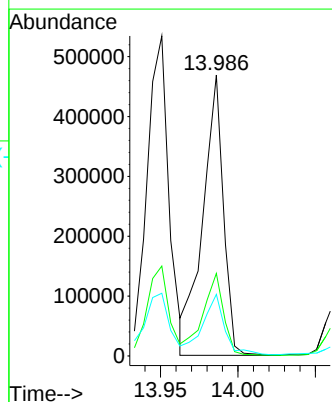
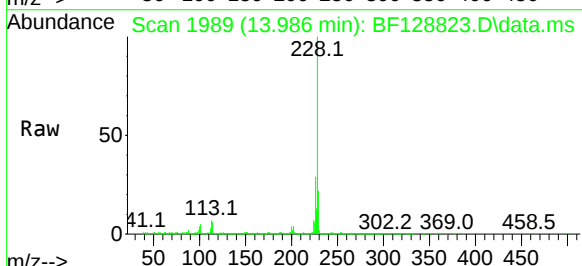
Manual Integrations
APPROVED

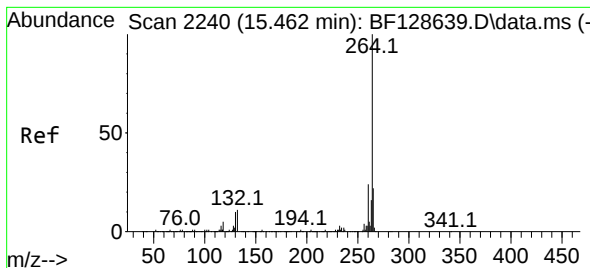
Reviewed By :Jagrut Upadhyay 06/16/2022
Supervised By :mohammad ahmed 06/22/2022



#83
Chrysene
Concen: 38.357 ng
RT: 13.986 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

Tgt Ion:228 Resp: 434116
Ion Ratio Lower Upper
228 100
226 29.4 24.3 36.5
229 21.9 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF128823.D

Acq: 15 Jun 2022 13:36

Instrument :

BNA_F

ClientSampleId :

SU-02-061322DL

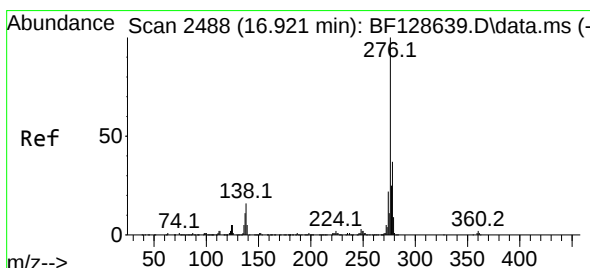
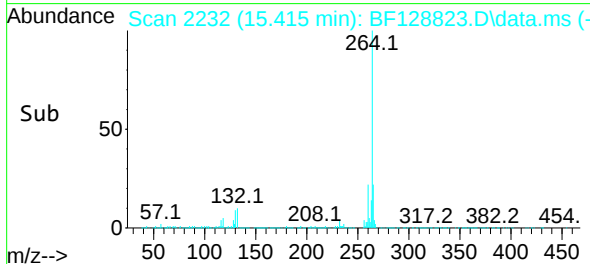
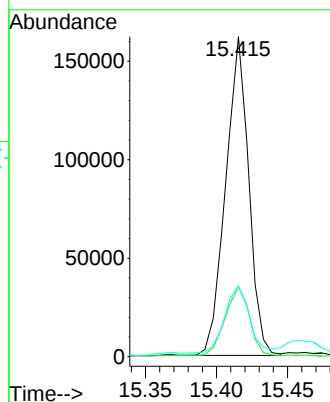
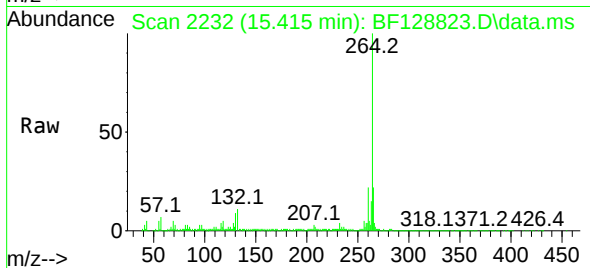
Tgt Ion:264 Resp: 18251

Ion	Ratio	Lower	Upper
264	100		
260	22.0	18.4	27.6
265	22.1	17.2	25.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/16/2022
Supervised By :mohammad ahmed 06/22/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 16.517 ng

RT: 16.856 min Scan# 2477

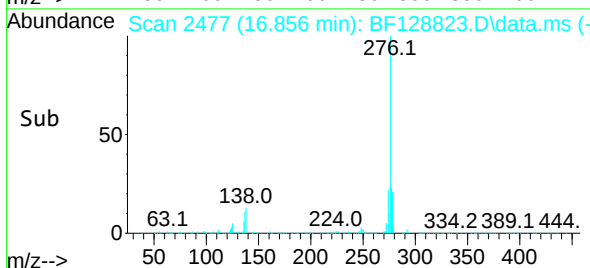
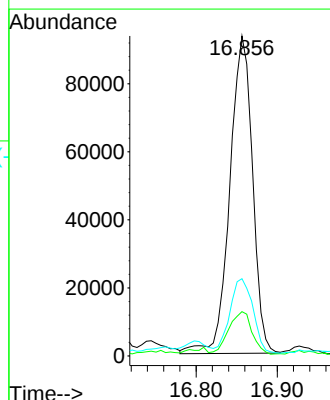
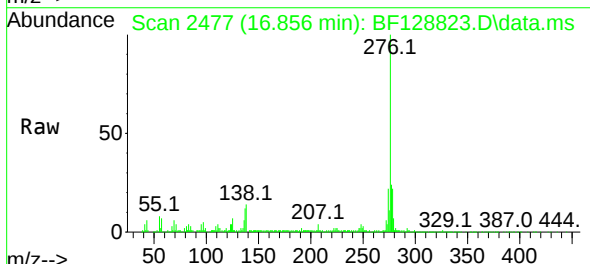
Delta R.T. -0.006 min

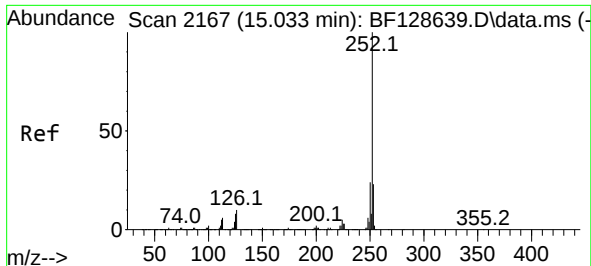
Lab File: BF128823.D

Acq: 15 Jun 2022 13:36

Tgt Ion:276 Resp: 181689

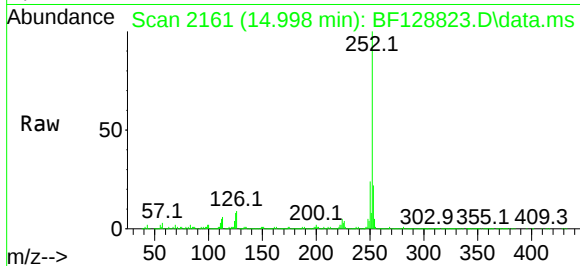
Ion	Ratio	Lower	Upper
276	100		
138	13.9	21.1	31.7#
277	23.6	20.3	30.5





#88
Benzo(b)fluoranthene
Concen: 45.871 ng m
RT: 14.998 min Scan# 2165
Delta R.T. 0.006 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

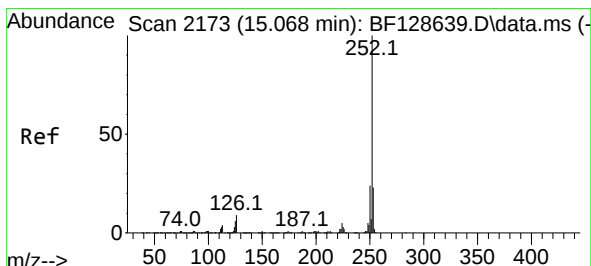
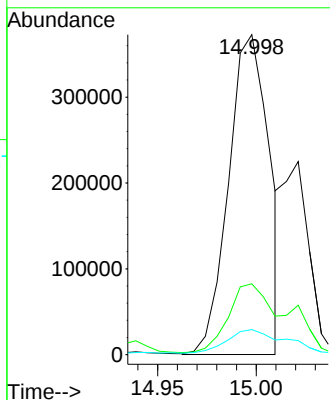
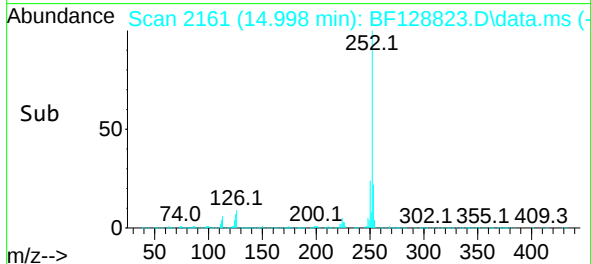
Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL



Tgt Ion:252 Resp: 53495
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 7.9 8.0 12.0

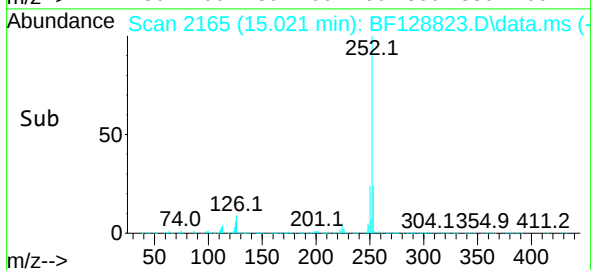
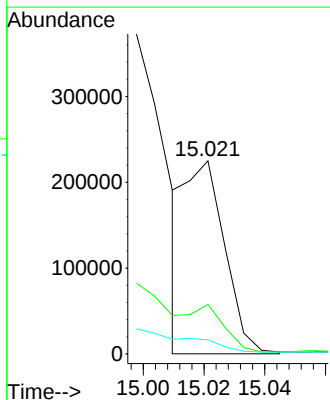
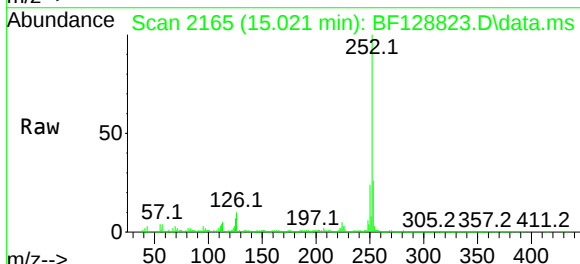
Manual Integrations
APPROVED

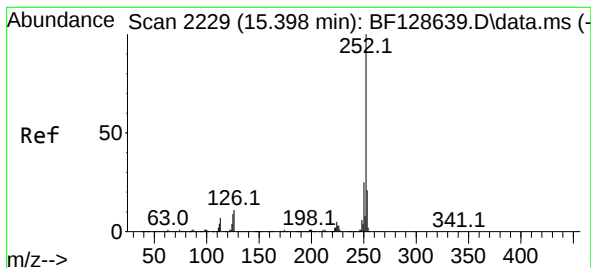
Reviewed By :Jagrut Upadhyay 06/16/2022
Supervised By :mohammad ahmed 06/22/2022



#89
Benzo(k)fluoranthene
Concen: 18.543 ng m
RT: 15.021 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

Tgt Ion:252 Resp: 203429
Ion Ratio Lower Upper
252 100
253 25.6 17.8 26.6
125 7.3 8.3 12.5





#90
Benzo(a)pyrene
Concen: 44.387 ng m
RT: 15.357 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

Instrument :

BNF

ClientSampleId :

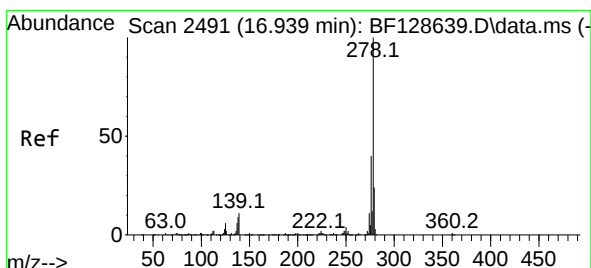
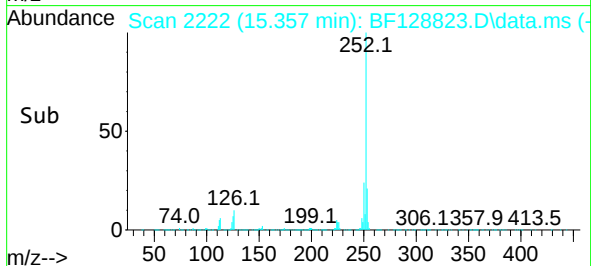
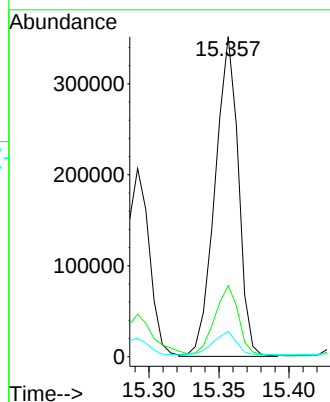
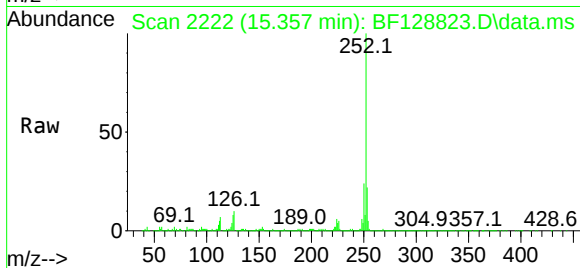
SU-02-061322DL

Tgt Ion:252 Resp: 40685
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 7.9 8.8 13.2

Manual Integrations

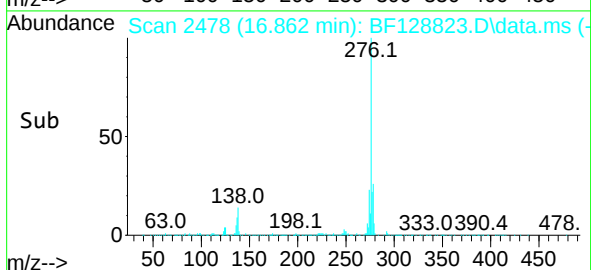
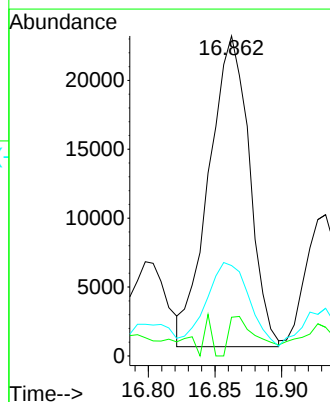
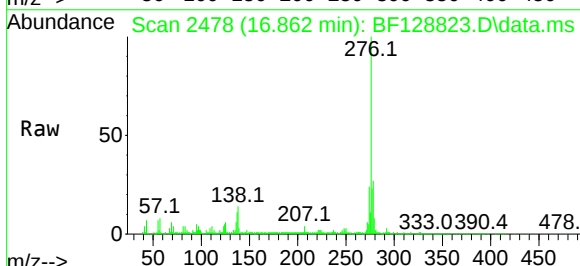
APPROVED

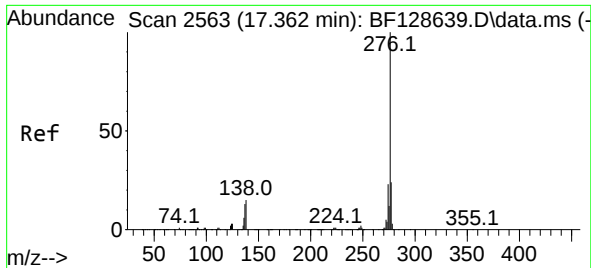
Reviewed By :Jagrut Upadhyay 06/16/2022
Supervised By :mohammad ahmed 06/22/2022



#91
Dibenzo(a,h)anthracene
Concen: 5.212 ng m
RT: 16.862 min Scan# 2478
Delta R.T. -0.012 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

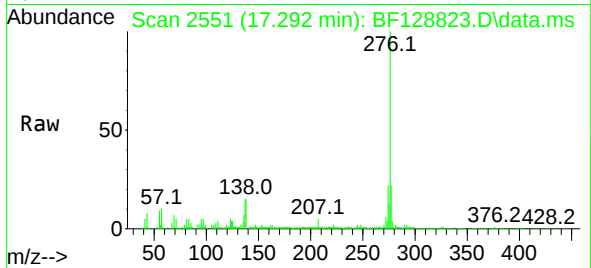
Tgt Ion:278 Resp: 47556
Ion Ratio Lower Upper
278 100
139 12.1 12.8 19.2#
279 28.2 18.6 28.0#





#92
Benzo(g,h,i)perylene
Concen: 17.377 ng
RT: 17.292 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF128823.D
Acq: 15 Jun 2022 13:36

Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL



Tgt Ion:276 Resp: 15714
Ion Ratio Lower Upper
276 100
277 22.1 19.1 28.7
138 14.5 18.0 27.0

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 06/16/2022
Supervised By :mohammad ahmed 06/22/2022

