

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061522\
 Data File : BF128831.D
 Acq On : 15 Jun 2022 17:52
 Operator : CG\JU
 Sample : N3353-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061422

Manual Integrations
 APPROVED

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

Quant Time: Jun 16 03:57:49 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	64626	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	223299	20.000	ng	# 0.00
39) Acenaphthene-d10	9.822	164	113935	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	195902	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	127880	20.000	ng	# 0.00
86) Perylene-d12	15.427	264	94019	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	369656	91.109	ng	0.00
7) Phenol-d6	6.440	99	449465	90.753	ng	0.00
23) Nitrobenzene-d5	7.351	82	294682	61.442	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	106899	79.408	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	564996	69.465	ng	0.00
79) Terphenyl-d14	12.904	244	548637	74.549	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.686	152	64120	6.421	ng	99
58) Fluorene	10.375	166	15334	2.116	ng	97
71) Phenanthrene	11.339	178	255135	25.965	ng	98
72) Anthracene	11.392	178	104262	10.720	ng	98
73) Carbazole	11.545	167	19283	2.135	ng	96
75) Fluoranthene	12.539	202	876267	85.314	ng	96
78) Pyrene	12.769	202	828016	87.029	ng	98
81) Benzo(a)anthracene	13.957	228	431568	54.141	ng	96
83) Chrysene	13.992	228	366950	48.286	ng	98
87) Indeno(1,2,3-cd)pyrene	16.886	276	163975	28.936	ng	# 86
88) Benzo(b)fluoranthene	15.010	252	500580m	83.323	ng	
89) Benzo(k)fluoranthene	15.033	252	114400m	20.243	ng	
90) Benzo(a)pyrene	15.368	252	309862	65.623	ng	97
91) Dibenzo(a,h)anthracene	16.892	278	42141	8.965	ng	# 88
92) Benzo(g,h,i)perylene	17.333	276	160450	34.442	ng	# 92

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

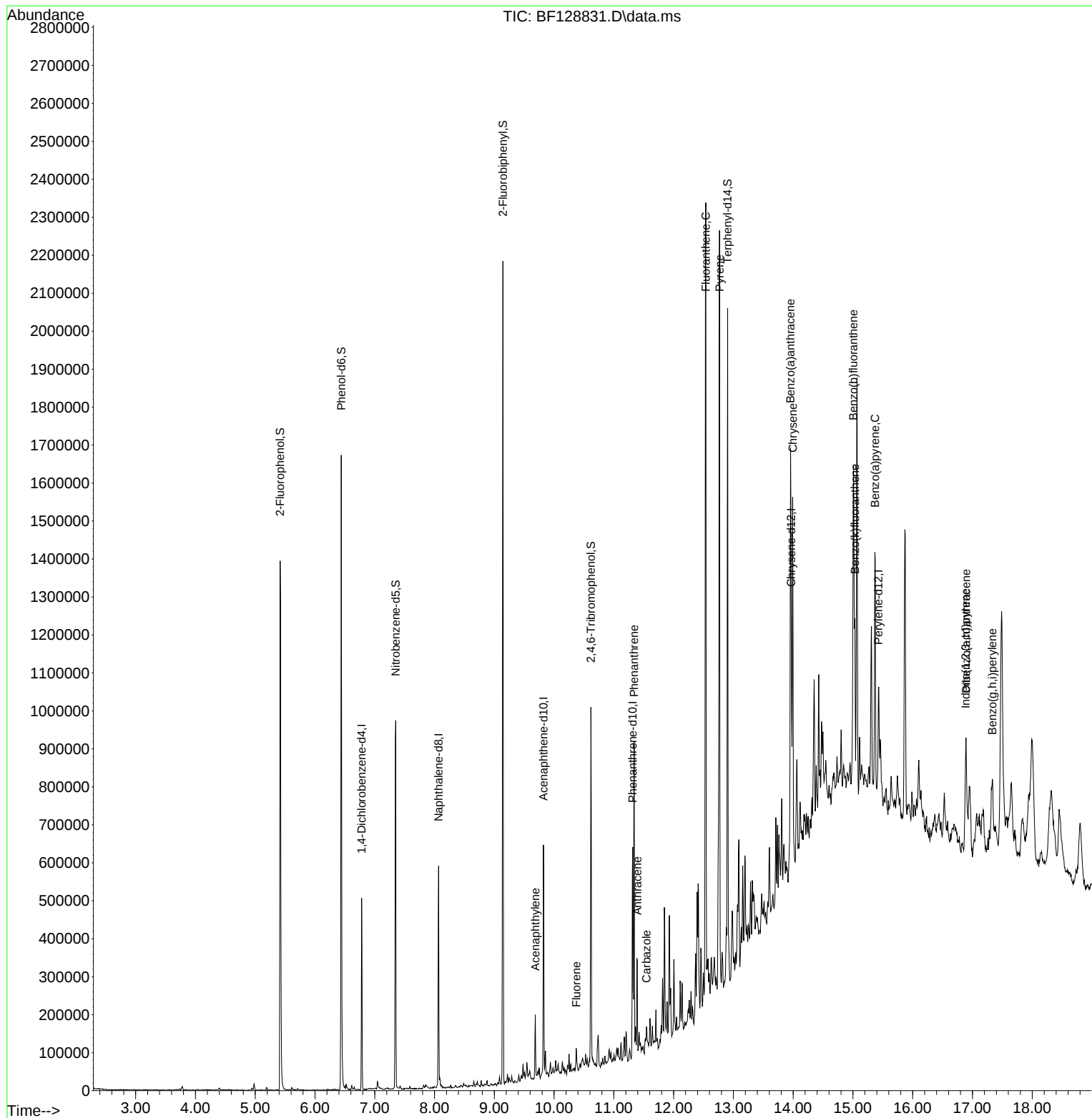
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061522\
Data File : BF128831.D
Acq On : 15 Jun 2022 17:52
Operator : CG\JU
Sample : N3353-01
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ALS Vial : 14 Sample Multiplier: 1

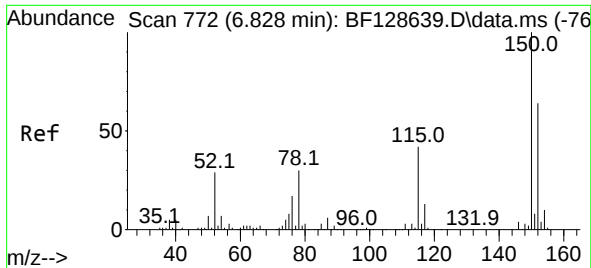
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Quant Time: Jun 16 03:57:49 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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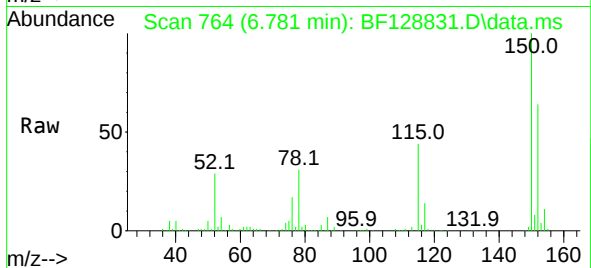
Reviewed By :Jagrut Upadhyay 06/16/2022
Supervised By :mohammad ahmed 06/22/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF128831.D
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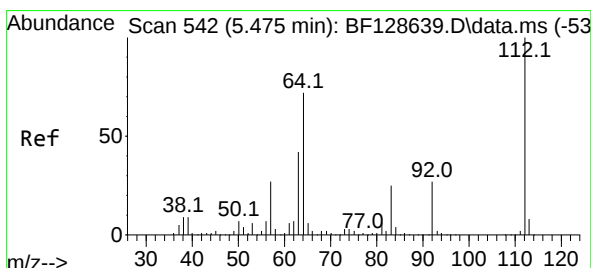
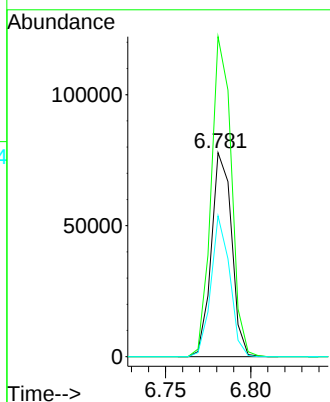
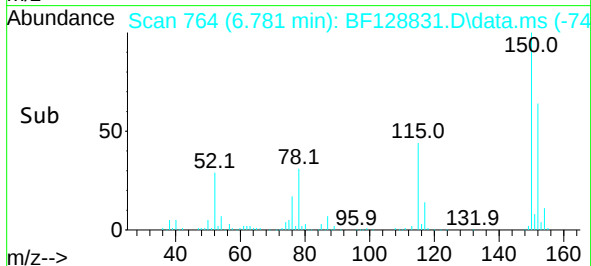
Instrument :
BNA_F
ClientSampleId :
PL-01-061422



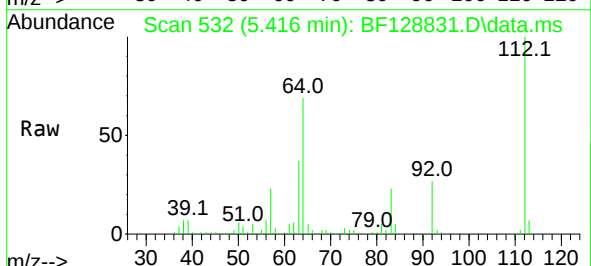
Tgt Ion:152 Resp: 64620
Ion Ratio Lower Upper
152 100
150 156.9 123.7 185.5
115 69.0 49.9 74.9

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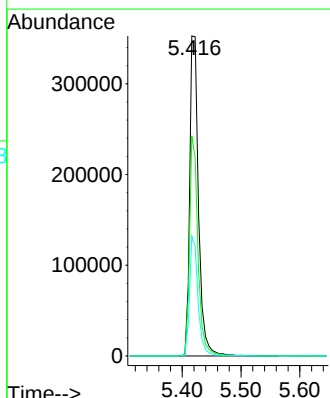
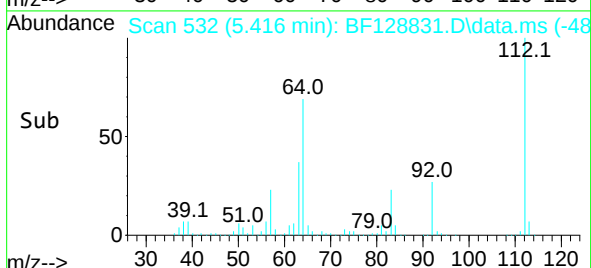
Reviewed By :Jagrut Upadhyay 06/16/2022
Supervised By :mohammad ahmed 06/22/2022



#5
2-Fluorophenol
Concen: 91.109 ng
RT: 5.416 min Scan# 532
Delta R.T. 0.000 min
Lab File: BF128831.D
Acq: 15 Jun 2022 17:52



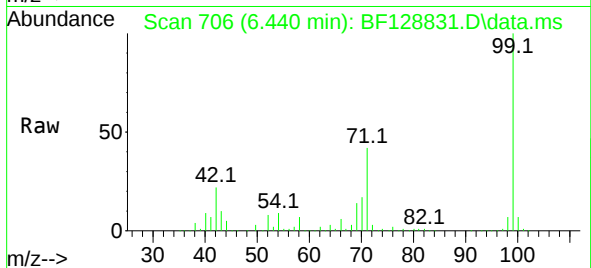
Tgt Ion:112 Resp: 369656
Ion Ratio Lower Upper
112 100
64 68.8 53.3 79.9
63 37.4 28.0 42.0





#7
Phenol-d6
Concen: 90.753 ng
RT: 6.440 min Scan# 706
Delta R.T. 0.000 min
Lab File: BF128831.D
Acq: 15 Jun 2022 17:52

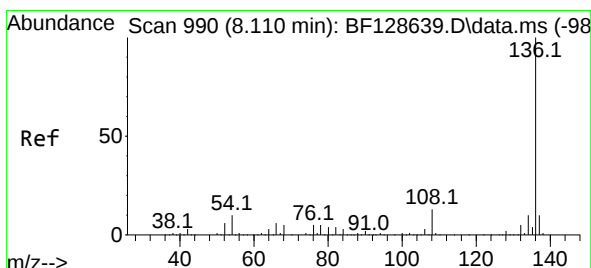
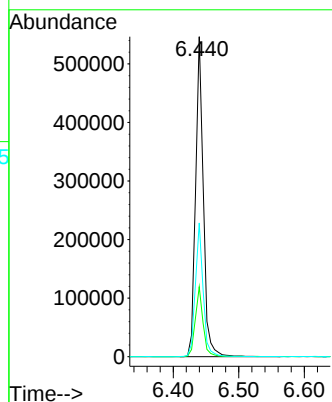
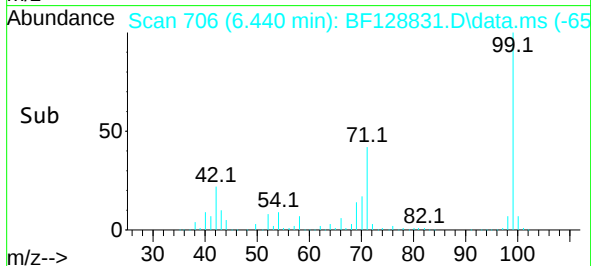
Instrument :
BNA_F
ClientSampleId :
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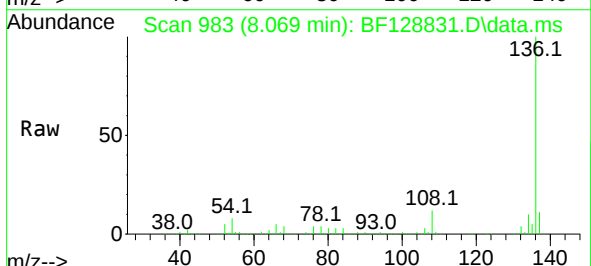
Tgt Ion: 99 Resp: 44946
Ion Ratio Lower Upper
99 100
42 21.9 17.3 25.9
71 41.8 28.9 43.3

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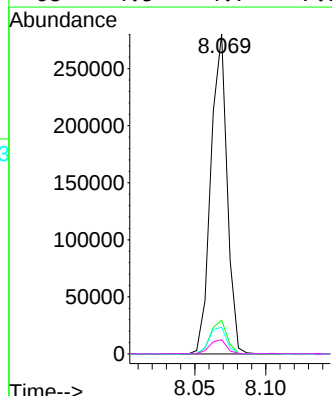
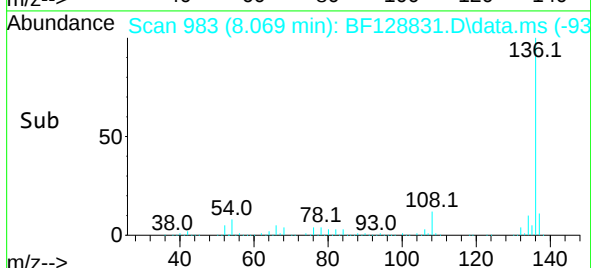
Reviewed By :Jagrut Upadhyay 06/16/2022
Supervised By :mohammad ahmed 06/22/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 983
Delta R.T. 0.000 min
Lab File: BF128831.D
Acq: 15 Jun 2022 17:52



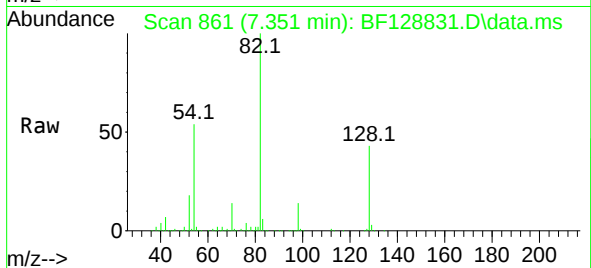
Tgt Ion:136 Resp: 223299
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 8.3 7.5 11.3
68 4.5 4.7 7.1#





#23
Nitrobenzene-d5
Concen: 61.442 ng
RT: 7.351 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF128831.D
Acq: 15 Jun 2022 17:52

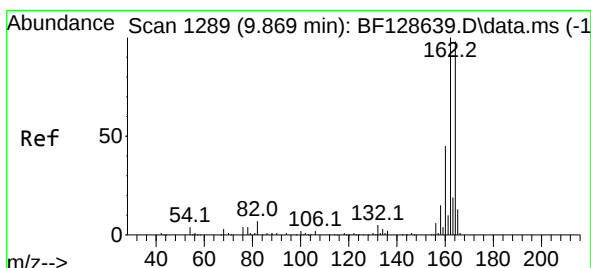
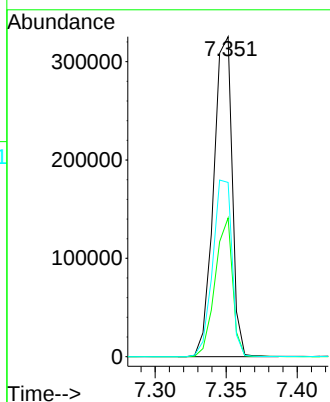
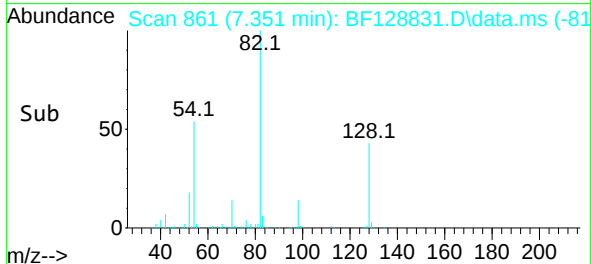
Instrument :
BNA_F
ClientSampleId :
PL-01-061422



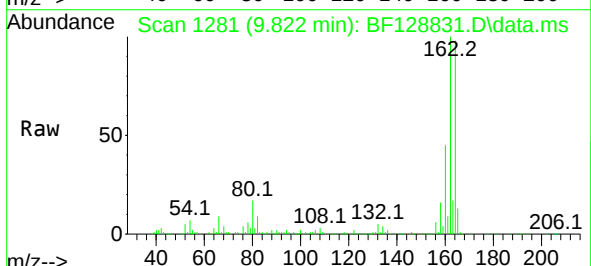
Tgt Ion: 82 Resp: 29468
Ion Ratio Lower Upper
82 100
128 43.4 34.0 51.0
54 54.4 46.9 70.3

Manual Integrations
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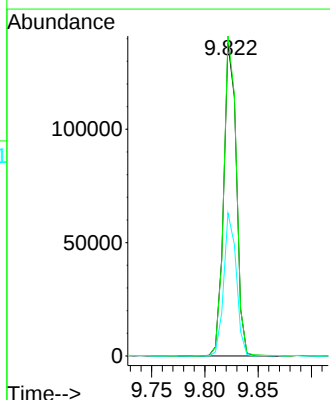
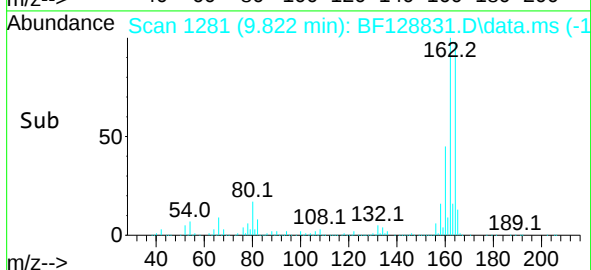
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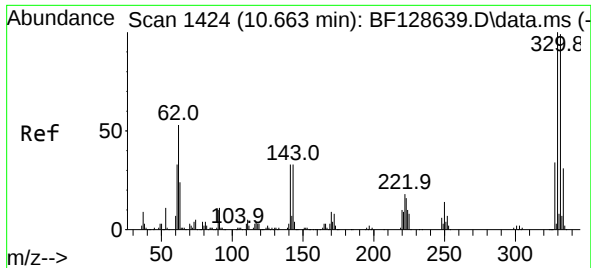


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BF128831.D
Acq: 15 Jun 2022 17:52



Tgt Ion:164 Resp: 113935
Ion Ratio Lower Upper
164 100
162 102.2 79.5 119.3
160 45.6 34.2 51.4





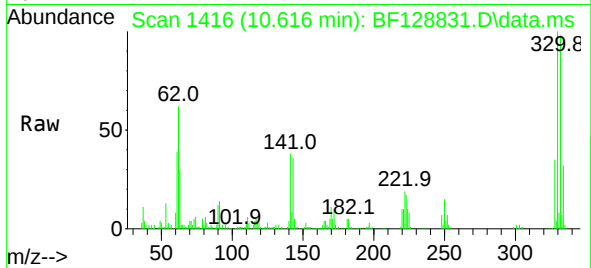
#42
2,4,6-Tribromophenol
Concen: 79.408 ng
RT: 10.616 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF128831.D
Acq: 15 Jun 2022 17:52

Instrument :

BNA_F

ClientSampleId :

PL-01-061422

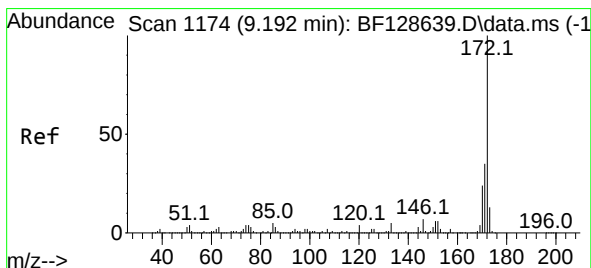
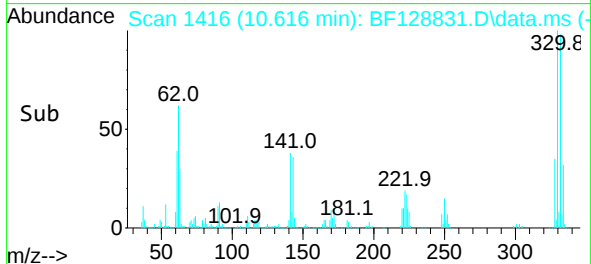
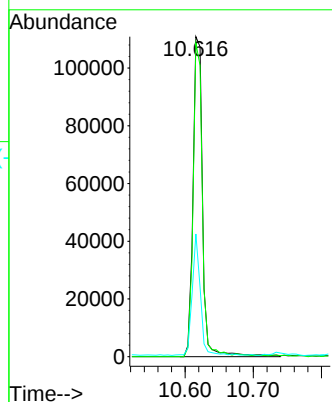


Tgt Ion: 330 Resp: 106899
Ion Ratio Lower Upper
330 100
332 93.2 76.8 115.2
141 32.7 28.0 42.0

Manual Integrations

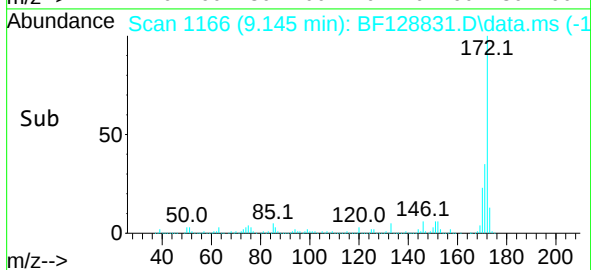
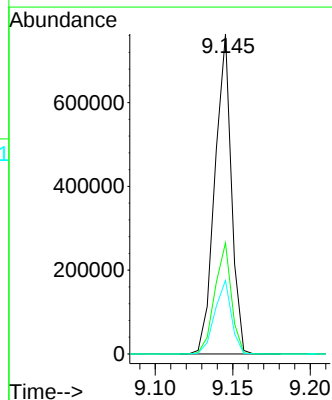
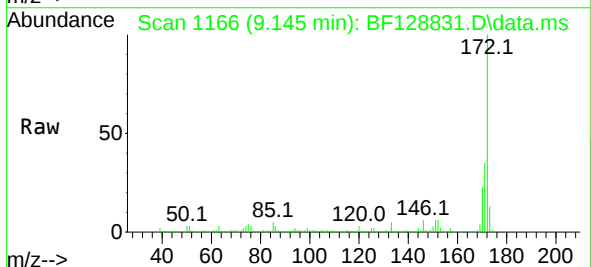
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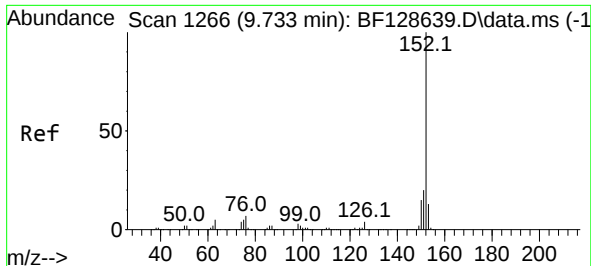
Reviewed By : Jagrut Upadhyay 06/16/2022
Supervised By : mohammad ahmed 06/22/2022



#45
2-Fluorobiphenyl
Concen: 69.465 ng
RT: 9.145 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF128831.D
Acq: 15 Jun 2022 17:52

Tgt Ion: 172 Resp: 564996
Ion Ratio Lower Upper
172 100
171 34.7 28.8 43.2
170 23.0 19.8 29.8





#49
Acenaphthylene
Concen: 6.421 ng
RT: 9.686 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF128831.D
Acq: 15 Jun 2022 17:52

Instrument :

BNA_F

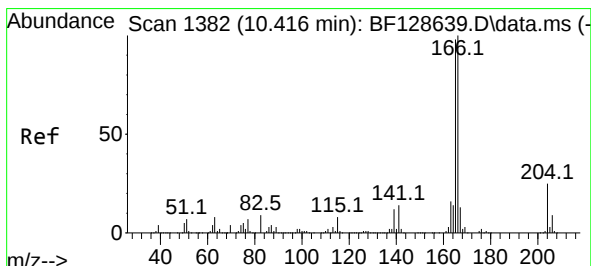
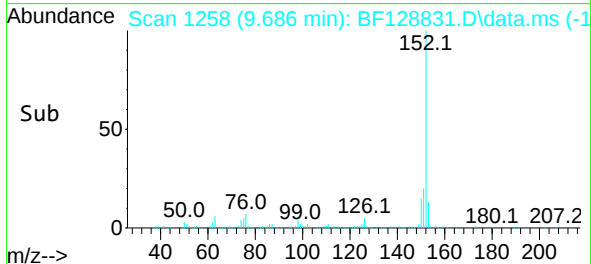
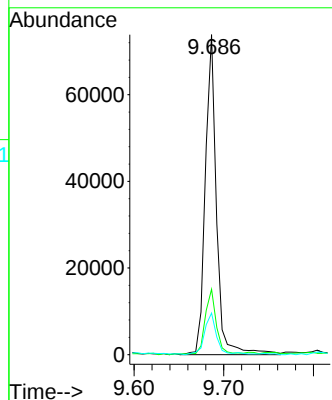
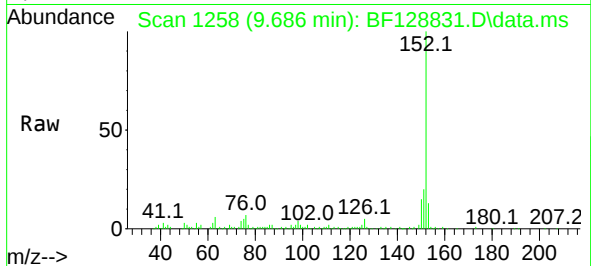
ClientSampleId :

PL-01-061422

Tgt Ion:152 Resp: 64120
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.4
153 13.0 10.7 16.1

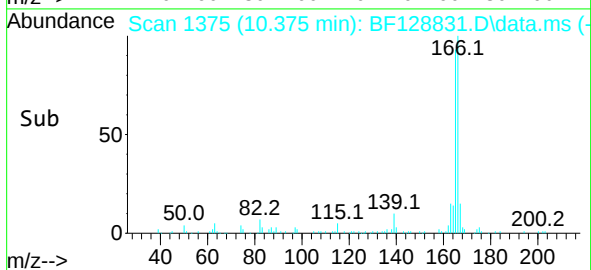
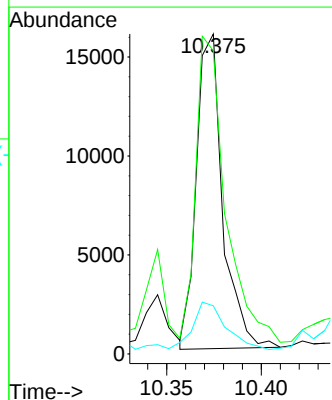
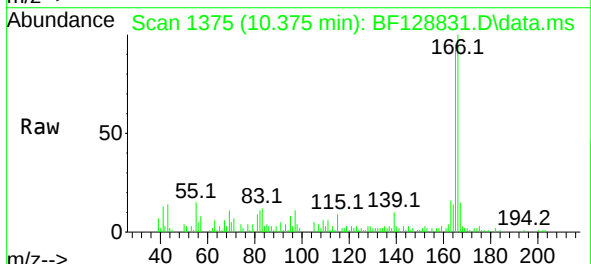
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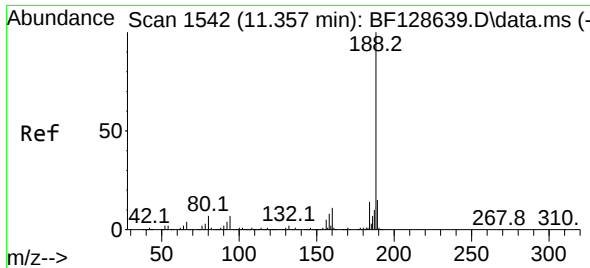
Reviewed By :Jagrut Upadhyay 06/16/2022
Supervised By :mohammad ahmed 06/22/2022



#58
Fluorene
Concen: 2.116 ng
RT: 10.375 min Scan# 1375
Delta R.T. 0.000 min
Lab File: BF128831.D
Acq: 15 Jun 2022 17:52

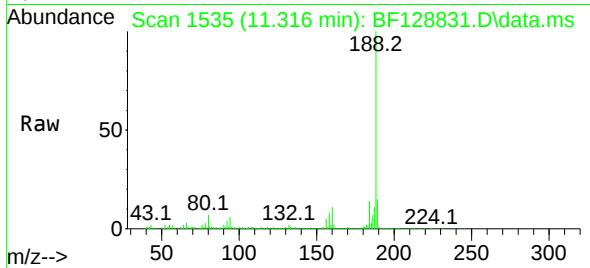
Tgt Ion:166 Resp: 15334
Ion Ratio Lower Upper
166 100
165 94.7 78.1 117.1
167 15.1 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF128831.D
Acq: 15 Jun 2022 17:52

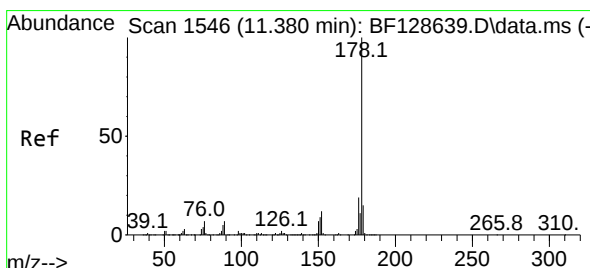
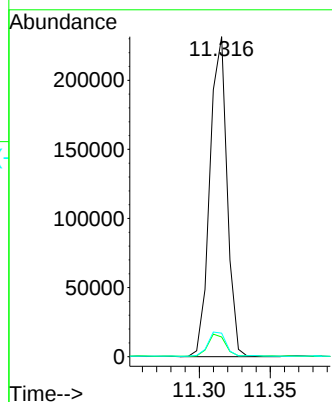
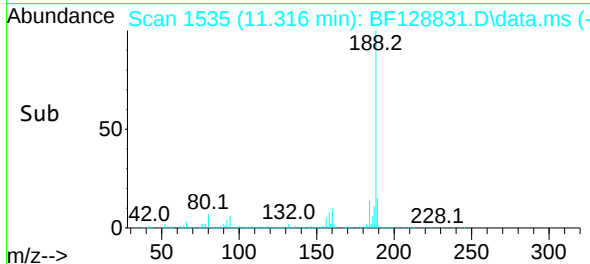
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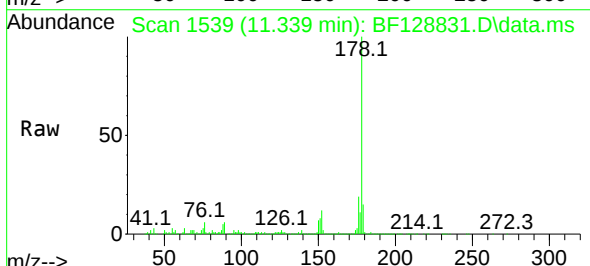
Tgt Ion:188 Resp: 195902
Ion Ratio Lower Upper
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94 6.2 7.0 10.6
80 7.3 7.6 11.4

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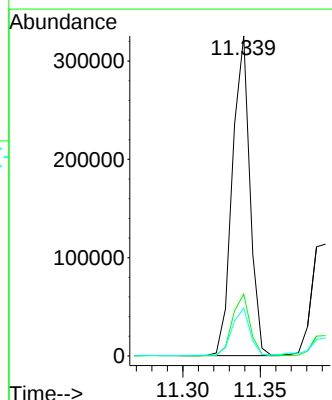
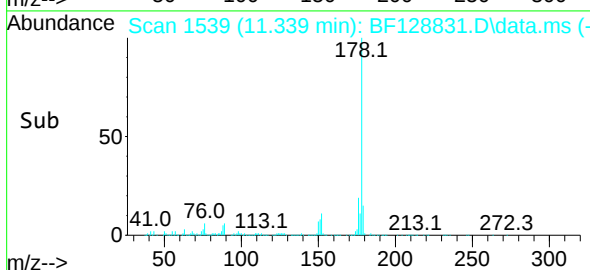
Reviewed By :Jagrut Upadhyay 06/16/2022
Supervised By :mohammad ahmed 06/22/2022

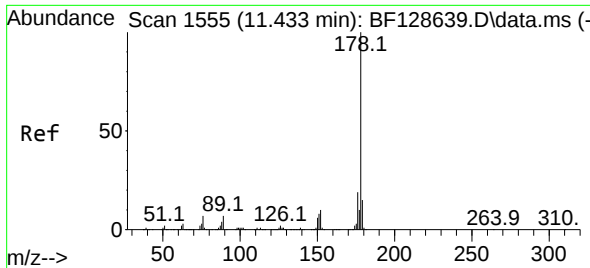


#71
Phenanthrene
Concen: 25.965 ng
RT: 11.339 min Scan# 1539
Delta R.T. 0.000 min
Lab File: BF128831.D
Acq: 15 Jun 2022 17:52



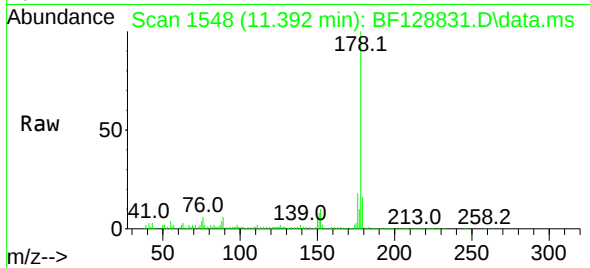
Tgt Ion:178 Resp: 255135
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 15.0 12.6 19.0





#72
 Anthracene
 Concen: 10.720 ng
 RT: 11.392 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF128831.D
 Acq: 15 Jun 2022 17:52

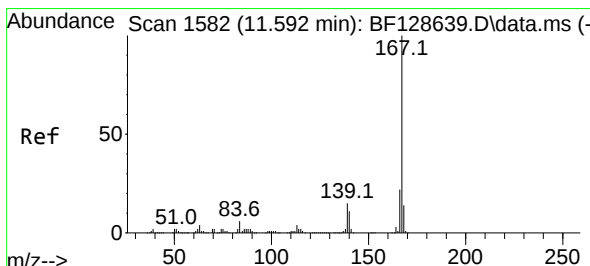
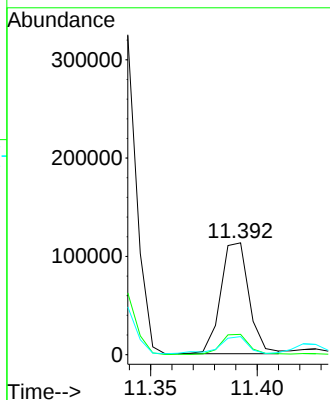
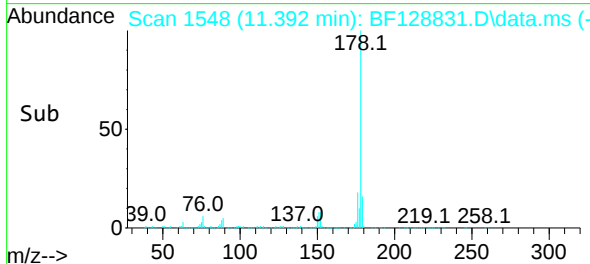
Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061422



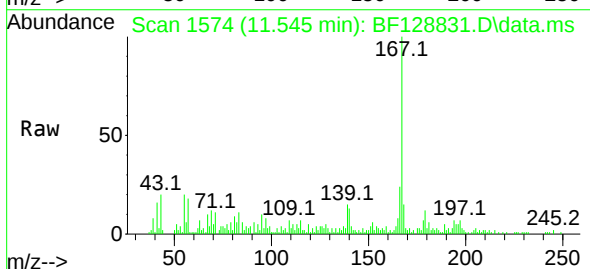
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 Ion Ratio Lower Upper
 178 100
 176 18.2 15.4 23.2
 179 16.2 12.6 19.0

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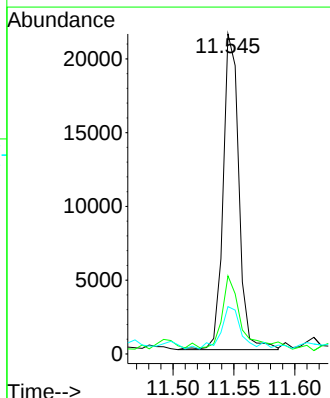
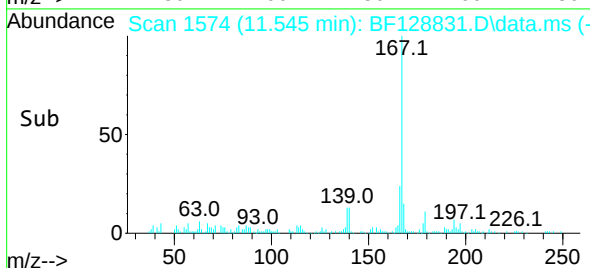
Reviewed By :Jagrut Upadhyay 06/16/2022
 Supervised By :mohammad ahmed 06/22/2022

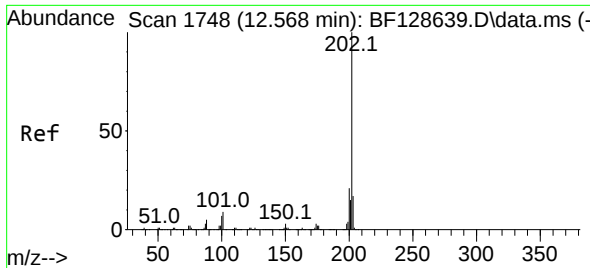


#73
 Carbazole
 Concen: 2.135 ng
 RT: 11.545 min Scan# 1574
 Delta R.T. -0.006 min
 Lab File: BF128831.D
 Acq: 15 Jun 2022 17:52



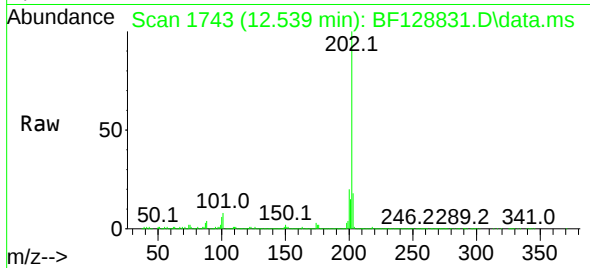
Tgt Ion:167 Resp: 19283
 Ion Ratio Lower Upper
 167 100
 166 24.4 17.7 26.5
 139 14.8 11.2 16.8





#75
Fluoranthene
Concen: 85.314 ng
RT: 12.539 min Scan# 1743
Delta R.T. 0.012 min
Lab File: BF128831.D
Acq: 15 Jun 2022 17:52

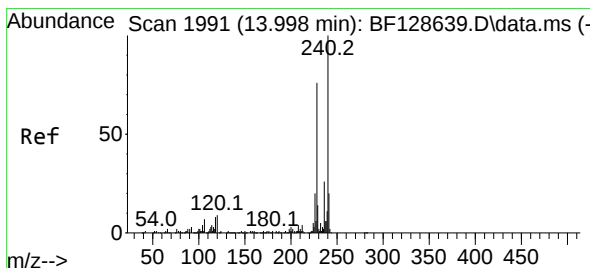
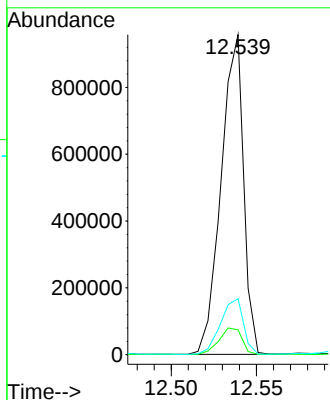
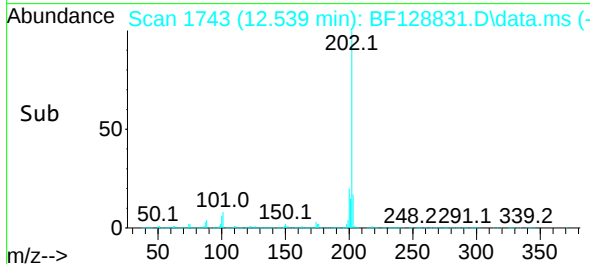
Instrument :
BNA_F
ClientSampleId :
PL-01-061422



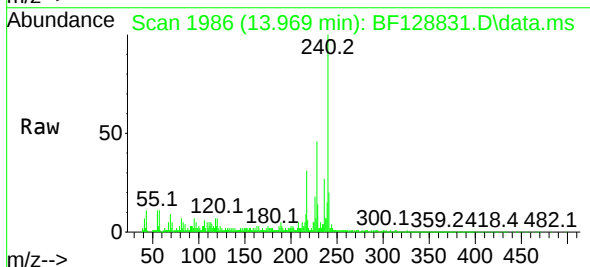
Tgt Ion:202 Resp: 87626
Ion Ratio Lower Upper
202 100
101 7.7 0.0 31.4
203 17.5 0.0 38.0

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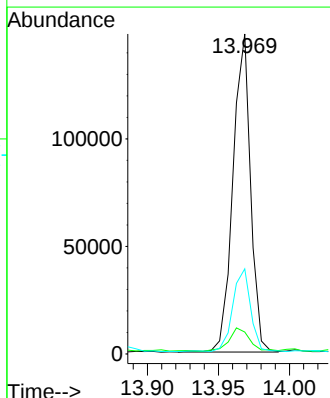
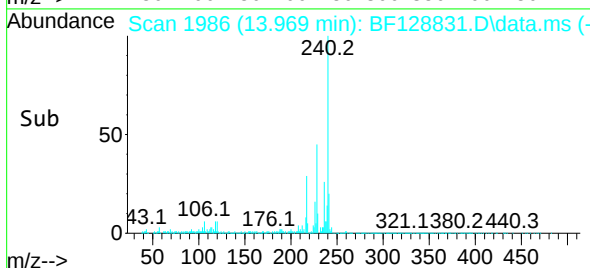
Reviewed By :Jagrut Upadhyay 06/16/2022
Supervised By :mohammad ahmed 06/22/2022

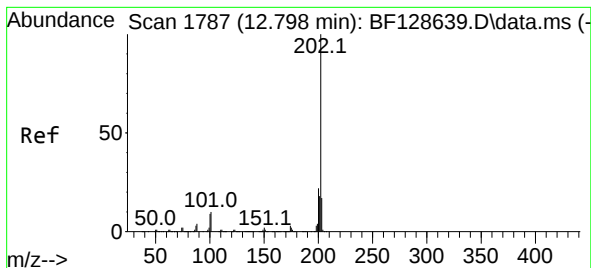


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BF128831.D
Acq: 15 Jun 2022 17:52



Tgt Ion:240 Resp: 127880
Ion Ratio Lower Upper
240 100
120 6.9 8.9 13.3#
236 26.6 20.8 31.2





#78

Pyrene

Concen: 87.029 ng

RT: 12.769 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF128831.D

Acq: 15 Jun 2022 17:52

Instrument :

BNA_F

ClientSampleId :

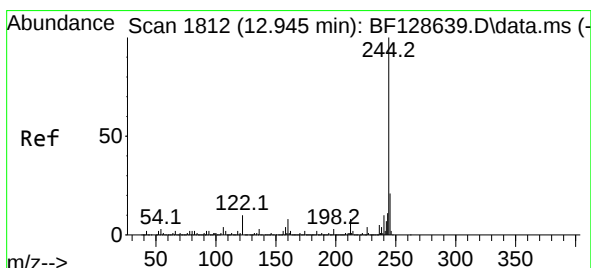
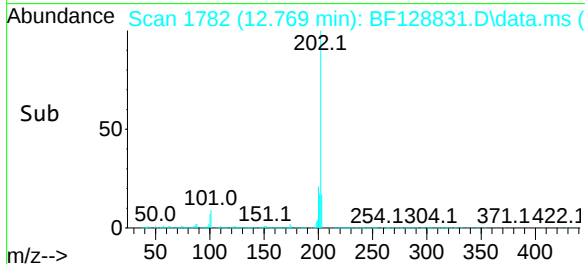
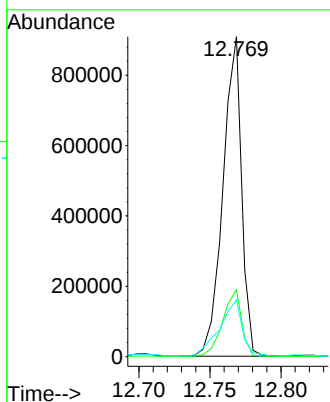
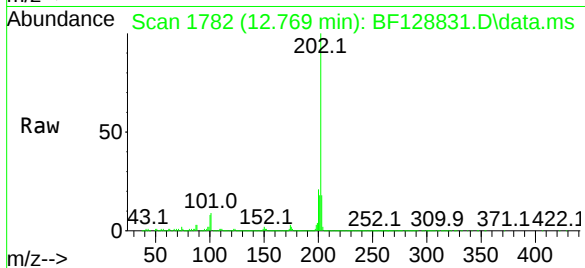
PL-01-061422

Tgt Ion:202 Resp: 828010
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.7 26.5
 203 17.7 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: 74.549 ng

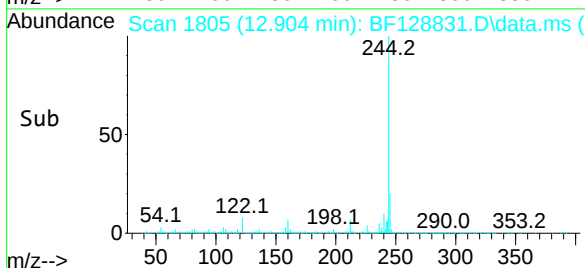
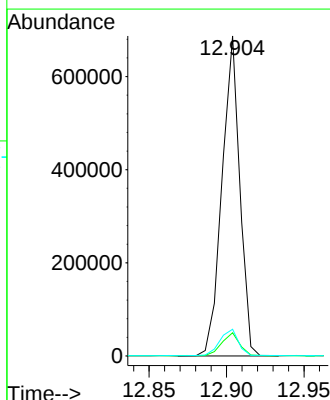
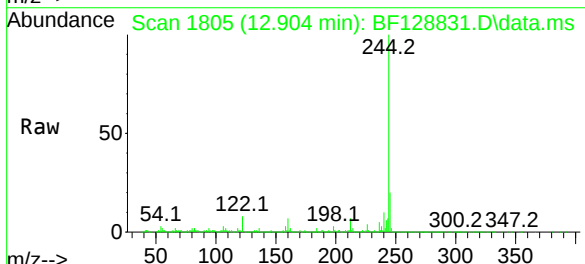
RT: 12.904 min Scan# 1805

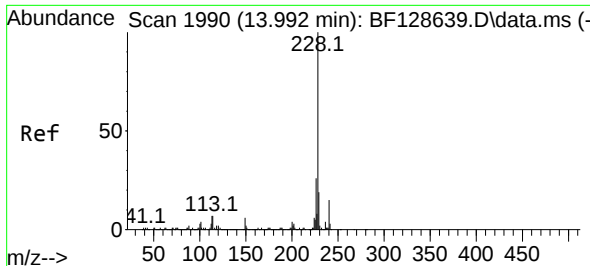
Delta R.T. 0.000 min

Lab File: BF128831.D

Acq: 15 Jun 2022 17:52

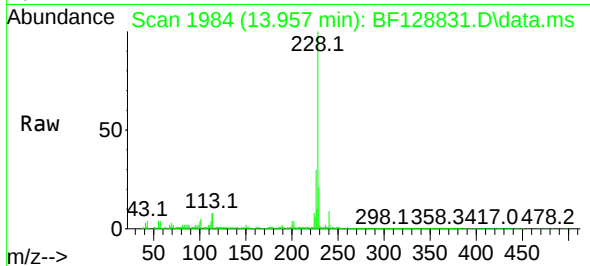
Tgt Ion:244 Resp: 548637
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 8.4 8.8 13.2#





#81
Benzo(a)anthracene
Concen: 54.141 ng
RT: 13.957 min Scan# 1984
Delta R.T. 0.006 min
Lab File: BF128831.D
Acq: 15 Jun 2022 17:52

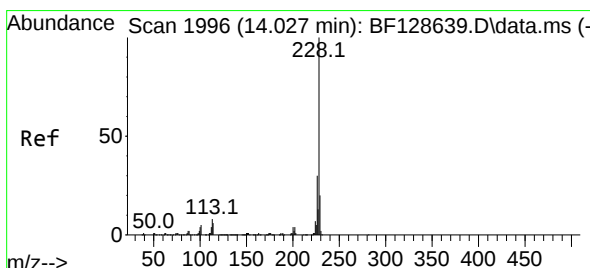
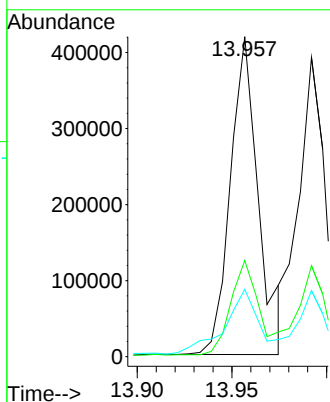
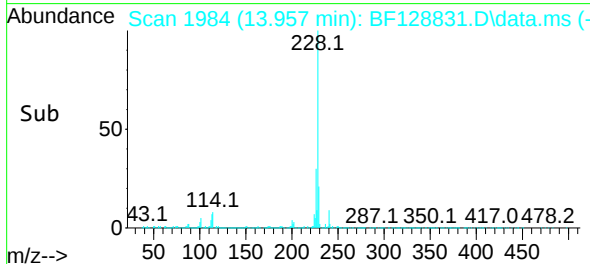
Instrument :
BNA_F
ClientSampleId :
PL-01-061422



Tgt Ion:228 Resp: 43156
Ion Ratio Lower Upper
228 100
226 30.0 22.1 33.1
229 21.1 15.8 23.8

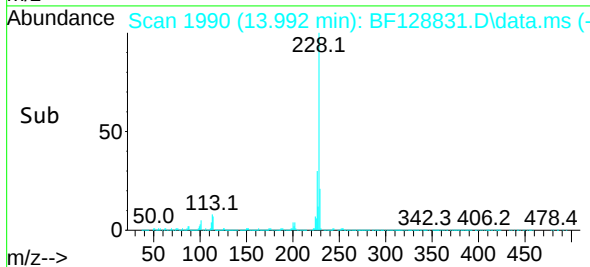
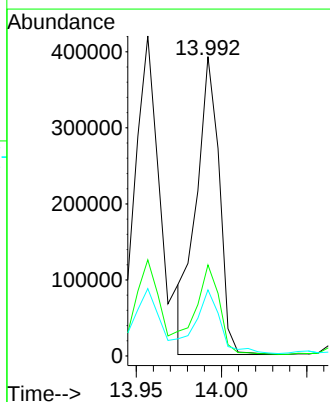
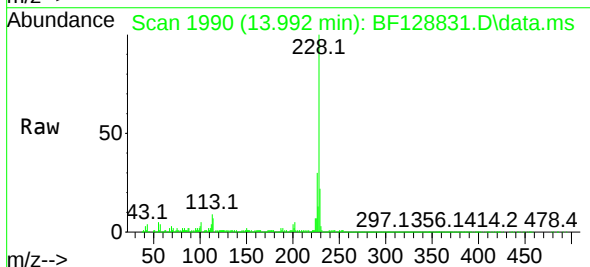
Manual Integrations
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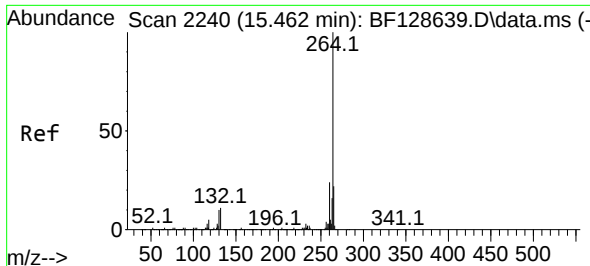
Reviewed By :Jagrut Upadhyay 06/16/2022
Supervised By :mohammad ahmed 06/22/2022



#83
Chrysene
Concen: 48.286 ng
RT: 13.992 min Scan# 1990
Delta R.T. 0.000 min
Lab File: BF128831.D
Acq: 15 Jun 2022 17:52

Tgt Ion:228 Resp: 366950
Ion Ratio Lower Upper
228 100
226 30.4 24.3 36.5
229 22.1 15.9 23.9





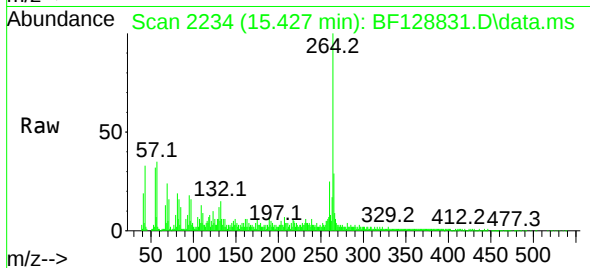
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF128831.D
Acq: 15 Jun 2022 17:52

Instrument :

BNA_F

ClientSampleId :

PL-01-061422

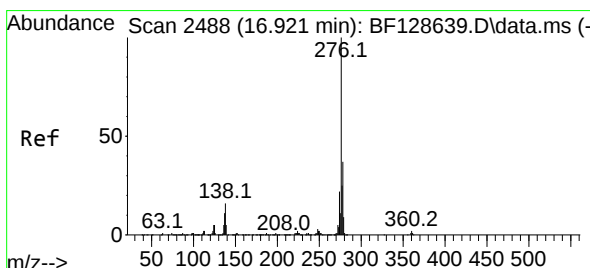
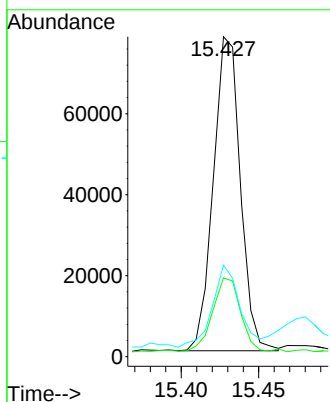
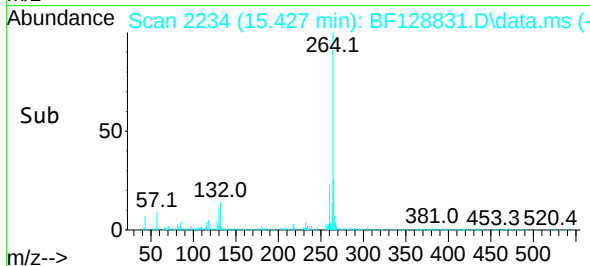


Tgt Ion:264 Resp: 94019
Ion Ratio Lower Upper
264 100
260 24.6 18.4 27.6
265 28.6 17.2 25.8

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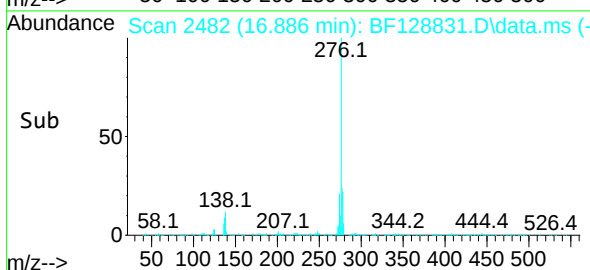
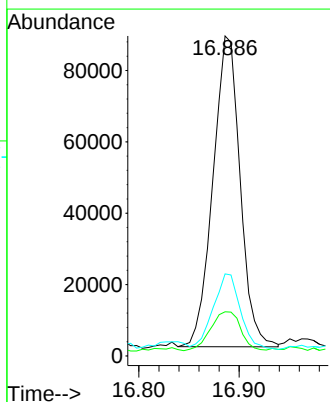
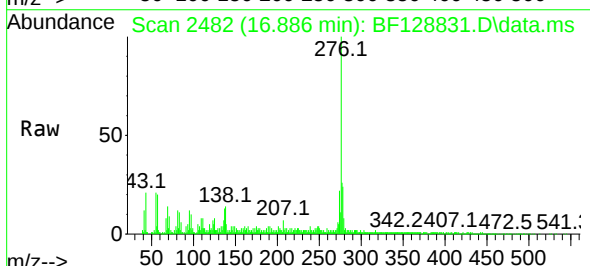
APPROVED

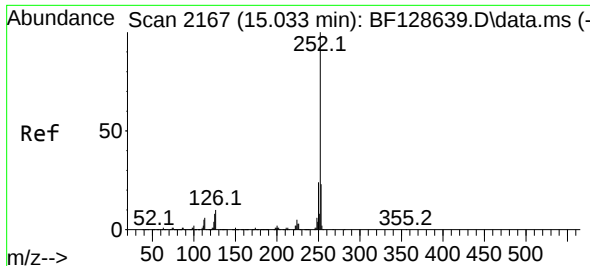
Reviewed By :Jagrut Upadhyay 06/16/2022
Supervised By :mohammad ahmed 06/22/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 28.936 ng
RT: 16.886 min Scan# 2482
Delta R.T. 0.024 min
Lab File: BF128831.D
Acq: 15 Jun 2022 17:52

Tgt Ion:276 Resp: 163975
Ion Ratio Lower Upper
276 100
138 13.9 21.1 31.7#
277 24.2 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 83.323 ng m
RT: 15.010 min Scan# 2167
Delta R.T. 0.018 min
Lab File: BF128831.D
Acq: 15 Jun 2022 17:52

Instrument :

BNA_F

ClientSampleId :

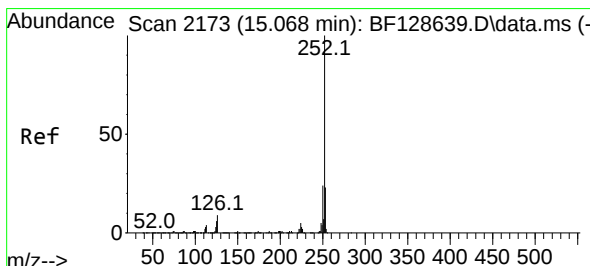
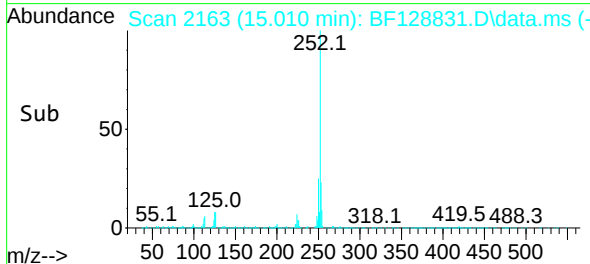
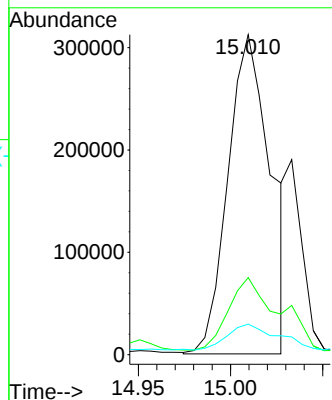
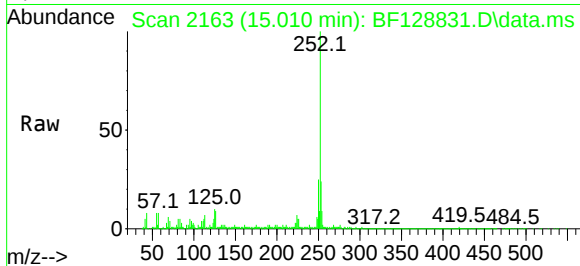
PL-01-061422

Tgt Ion:252 Resp: 500580
Ion Ratio Lower Upper
252 100
253 24.1 17.7 26.5
125 9.6 8.0 12.0

Manual Integrations

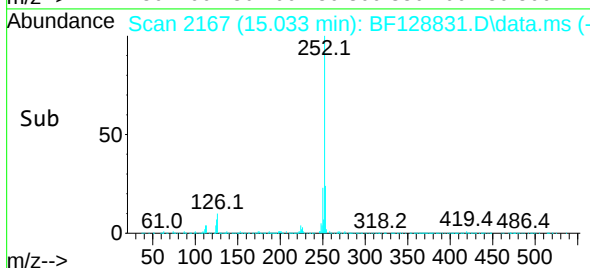
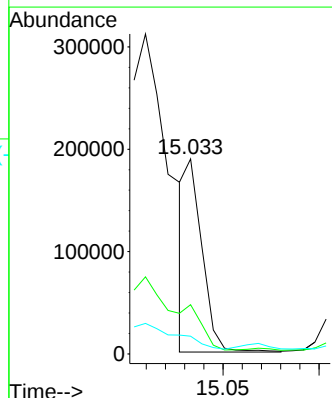
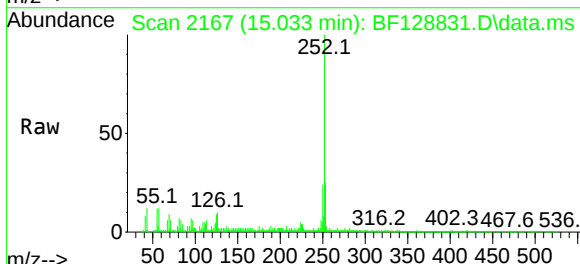
APPROVED

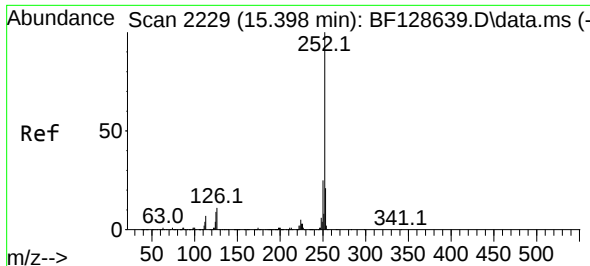
Reviewed By :Jagrut Upadhyay 06/16/2022
Supervised By :mohammad ahmed 06/22/2022



#89
Benzo(k)fluoranthene
Concen: 20.243 ng m
RT: 15.033 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BF128831.D
Acq: 15 Jun 2022 17:52

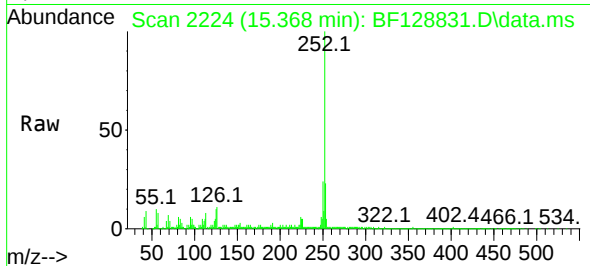
Tgt Ion:252 Resp: 114400
Ion Ratio Lower Upper
252 100
253 25.2 17.8 26.6
125 9.1 8.3 12.5





#90
Benzo(a)pyrene
Concen: 65.623 ng
RT: 15.368 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF128831.D
Acq: 15 Jun 2022 17:52

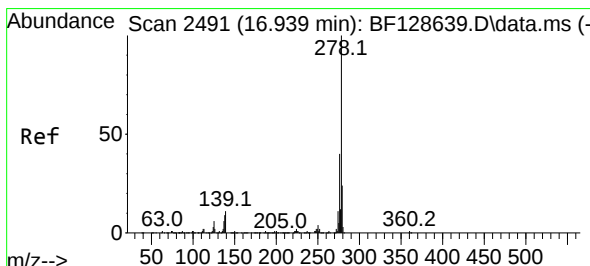
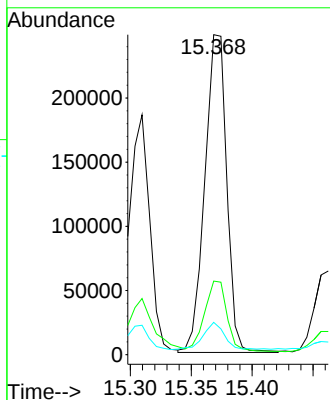
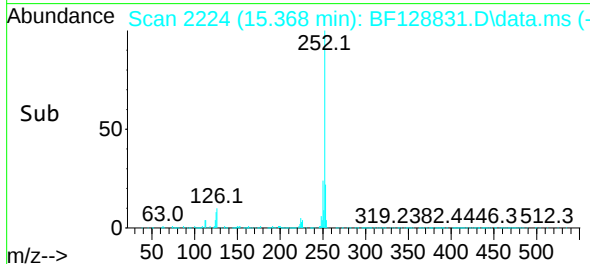
Instrument :
BNA_F
ClientSampleId :
PL-01-061422



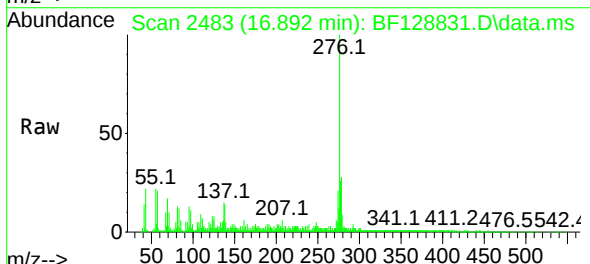
Tgt Ion:252 Resp: 309862
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.6
125 10.1 8.8 13.2

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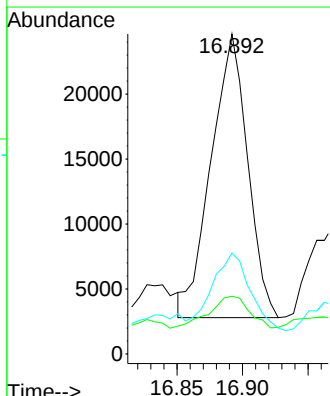
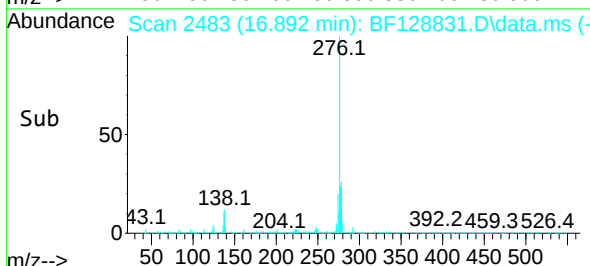
Reviewed By :Jagrut Upadhyay 06/16/2022
Supervised By :mohammad ahmed 06/22/2022

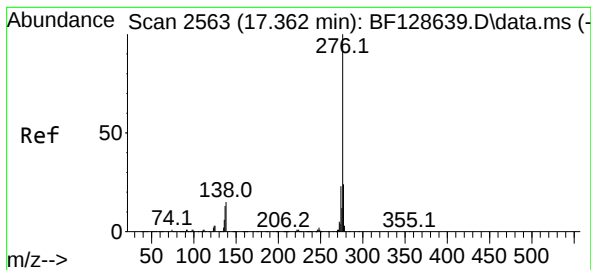


#91
Dibenzo(a,h)anthracene
Concen: 8.965 ng
RT: 16.892 min Scan# 2483
Delta R.T. 0.018 min
Lab File: BF128831.D
Acq: 15 Jun 2022 17:52



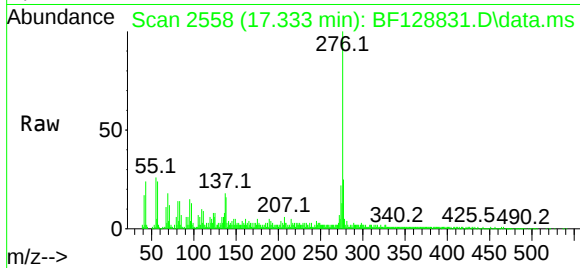
Tgt Ion:278 Resp: 42141
Ion Ratio Lower Upper
278 100
139 18.0 12.8 19.2
279 31.6 18.6 28.0#





#92
Benzo(g,h,i)perylene
Concen: 34.442 ng
RT: 17.333 min Scan# 21
Delta R.T. 0.035 min
Lab File: BF128831.D
Acq: 15 Jun 2022 17:52

Instrument :
BNA_F
ClientSampleId :
PL-01-061422



Tgt Ion:276 Resp: 160450
Ion Ratio Lower Upper
276 100
277 25.0 19.1 28.7
138 15.6 18.0 27.0

Manual Integrations
APPROVED

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

