

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
 Data File : BF133661.D
 Acq On : 09 Jun 2023 02:33
 Operator : CG\JU
 Sample : 03002-06DL 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB03DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/09/2023
 Supervised By :mohammad ahmed 06/13/2023

Quant Time: Jun 09 04:13:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 08 11:43:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	97566	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	336515	20.000	ng	0.00
39) Acenaphthene-d10	9.874	164	141648	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	255111	20.000	ng	0.00
76) Chrysene-d12	14.010	240	155610	20.000	ng	0.00
86) Perylene-d12	15.480	264	128234	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	108314	18.523	ng	0.00
7) Phenol-d6	6.457	99	128410	17.838	ng	-0.01
23) Nitrobenzene-d5	7.392	82	72689	14.422	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	26119	18.498	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	139885	15.242	ng	0.00
79) Terphenyl-d14	12.951	244	121135	13.841	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.739	152	39041	2.743	ng	99
71) Phenanthrene	11.386	178	244630	18.933	ng	100
72) Anthracene	11.439	178	50330	3.785	ng	98
73) Carbazole	11.592	167	31719	2.522	ng	99
75) Fluoranthene	12.580	202	365369	25.600	ng	98
78) Pyrene	12.810	202	297374	22.457	ng	99
81) Benzo(a)anthracene	13.998	228	135990	13.119	ng	97
83) Chrysene	14.033	228	126357	12.074	ng	95
87) Indeno(1,2,3-cd)pyrene	16.939	276	48664	5.958	ng	# 91
88) Benzo(b)fluoranthene	15.051	252	136998m	16.406	ng	
89) Benzo(k)fluoranthene	15.074	252	41875m	5.143	ng	
90) Benzo(a)pyrene	15.415	252	82634	10.875	ng	97
92) Benzo(g,h,i)perylene	17.386	276	42862	6.419	ng	96

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

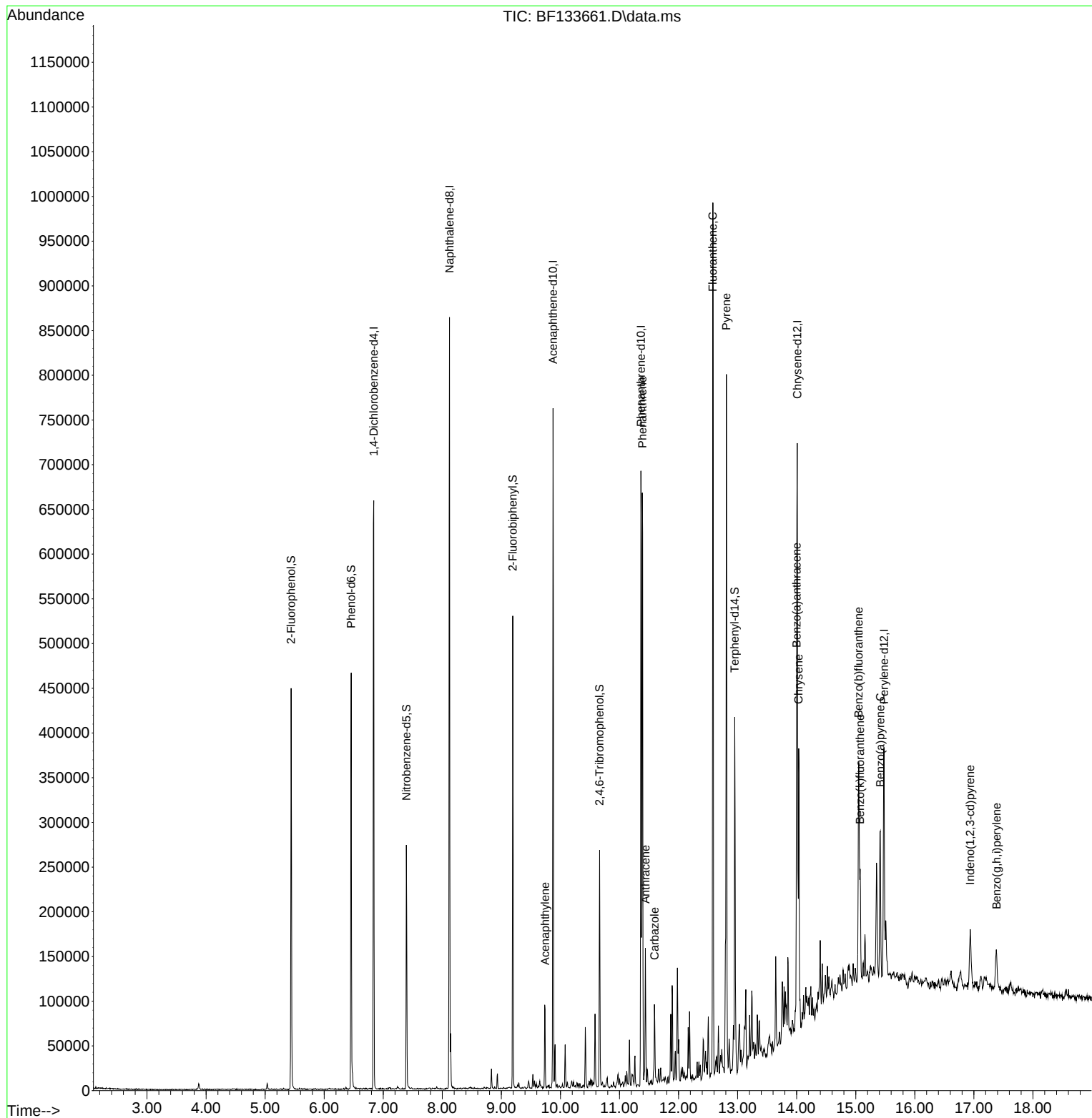
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
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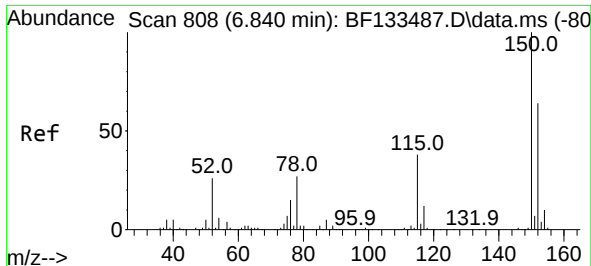
Instrument :
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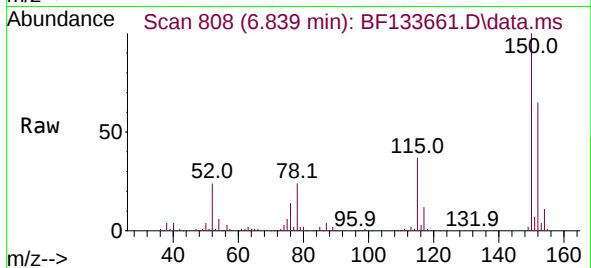
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

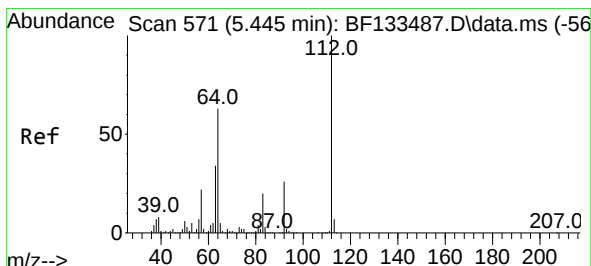
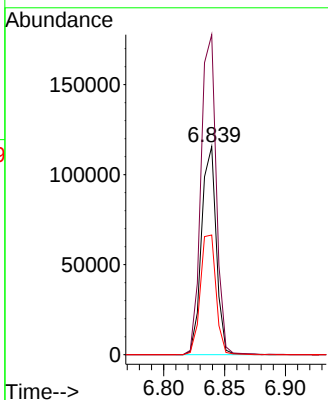
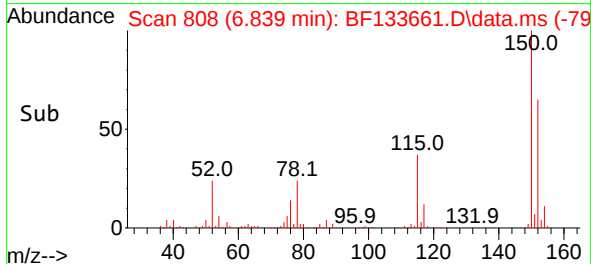
Instrument :
BNA_F
ClientSampleId :
SB03DL



Tgt Ion:152 Resp: 97560
Ion Ratio Lower Upper
152 100
150 153.7 124.9 187.3
115 57.5 48.1 72.1

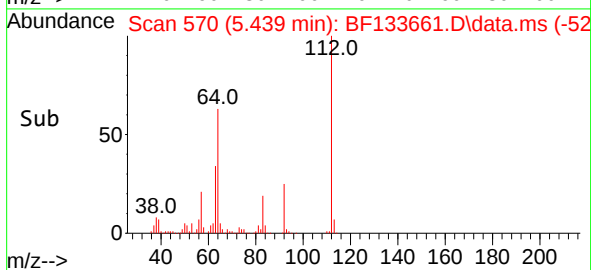
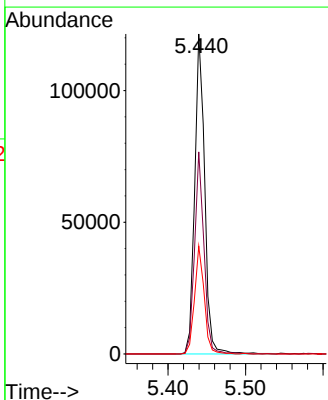
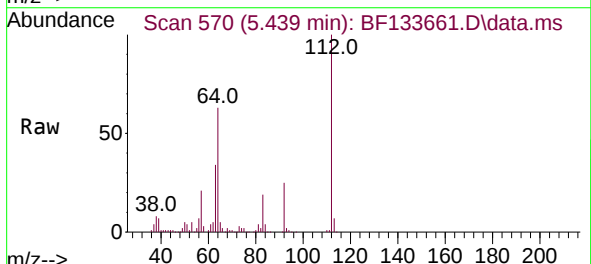
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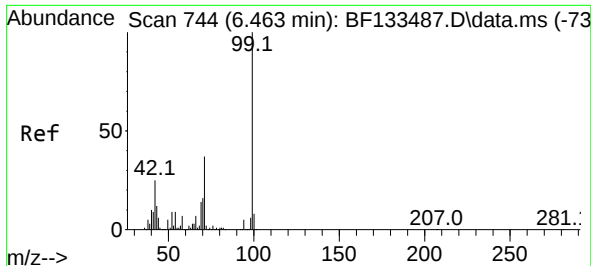
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#5
2-Fluorophenol
Concen: 18.523 ng
RT: 5.439 min Scan# 570
Delta R.T. -0.006 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

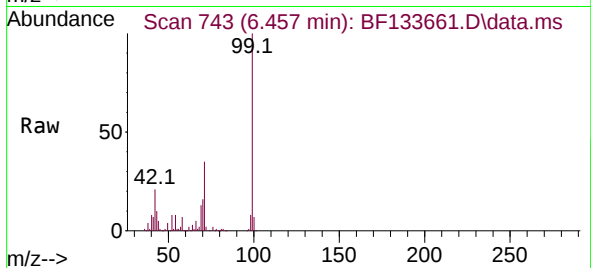
Tgt Ion:112 Resp: 108314
Ion Ratio Lower Upper
112 100
64 63.1 50.1 75.1
63 33.7 27.5 41.3





#7
Phenol-d6
Concen: 17.838 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.012 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

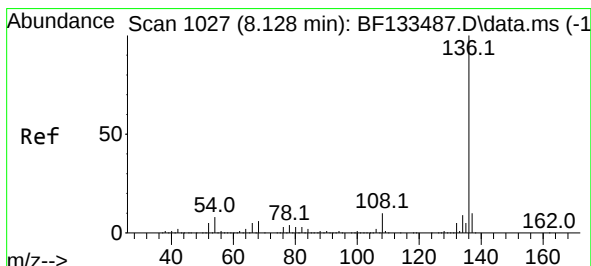
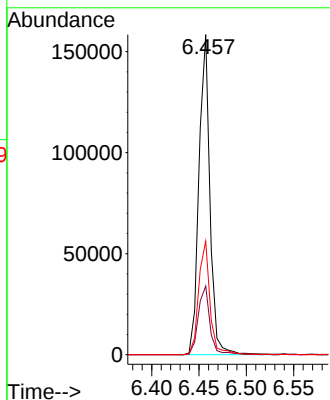
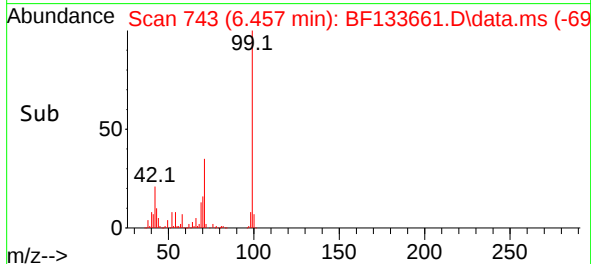
Instrument :
BNA_F
ClientSampleId :
SB03DL



Tgt Ion: 99 Resp: 128410
Ion Ratio Lower Upper
99 100
42 21.5 19.7 29.5
71 35.5 29.8 44.8

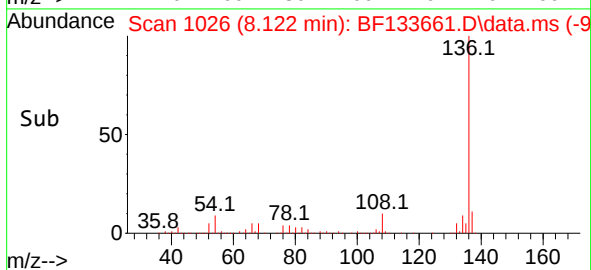
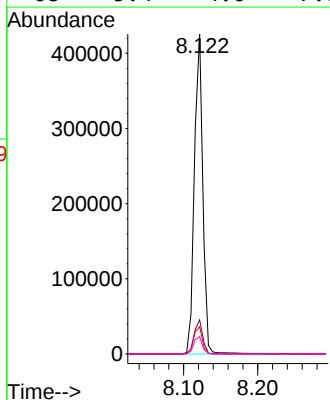
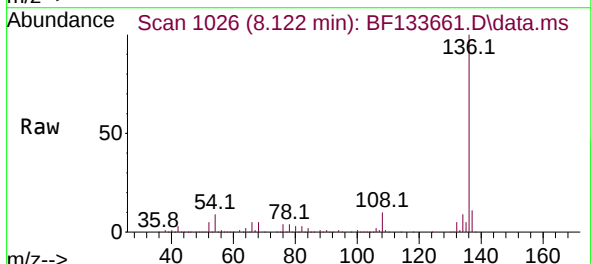
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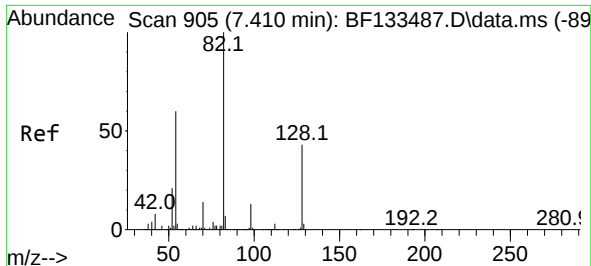
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

Tgt Ion:136 Resp: 336515
Ion Ratio Lower Upper
136 100
137 10.7 8.2 12.4
54 8.5 6.6 10.0
68 5.4 4.6 7.0





#23

Nitrobenzene-d5

Concen: 14.422 ng

RT: 7.392 min Scan# 905

Delta R.T. -0.012 min

Lab File: BF133661.D

Acq: 09 Jun 2023 02:33

Instrument :

BNA_F

ClientSampleId :

SB03DL

Tgt Ion: 82 Resp: 72689

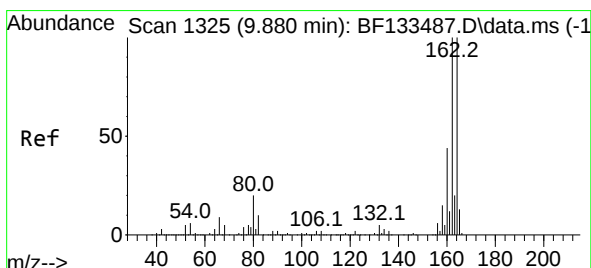
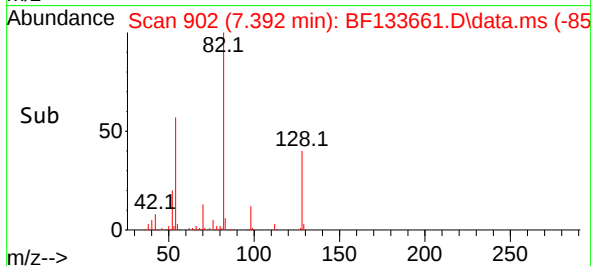
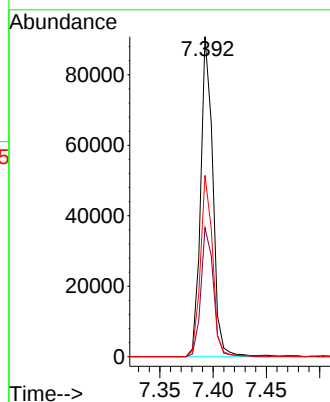
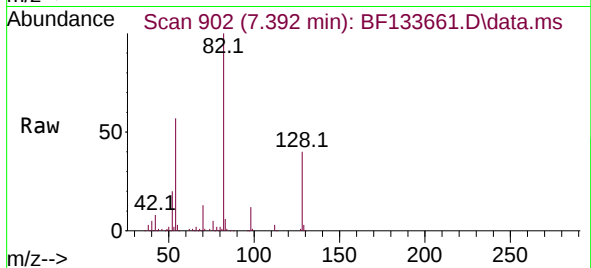
Ion	Ratio	Lower	Upper
82	100		
128	40.3	34.2	51.4
54	56.6	48.2	72.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.874 min Scan# 1324

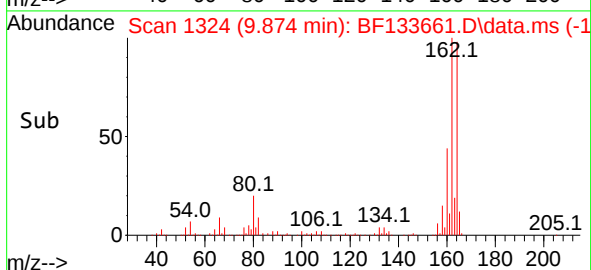
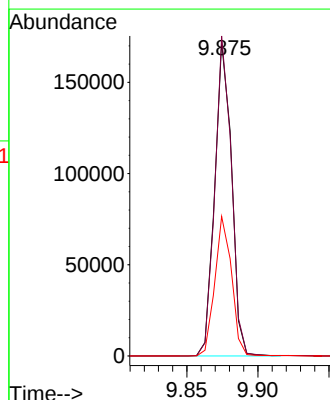
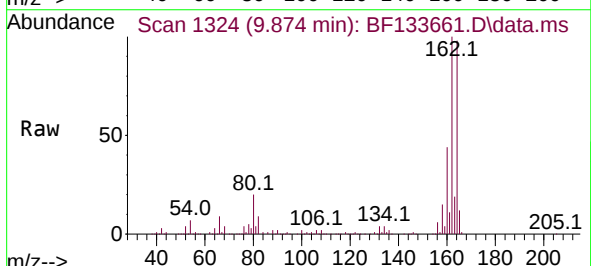
Delta R.T. -0.006 min

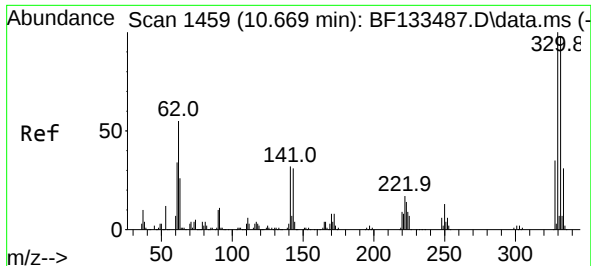
Lab File: BF133661.D

Acq: 09 Jun 2023 02:33

Tgt Ion:164 Resp: 141648

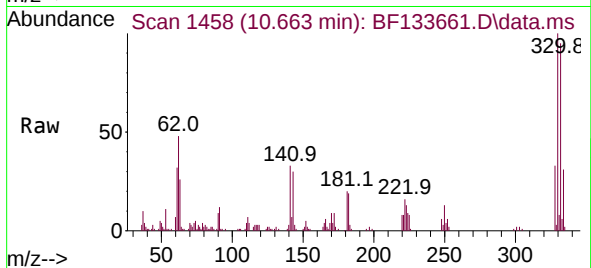
Ion	Ratio	Lower	Upper
164	100		
162	101.9	79.7	119.5
160	44.4	35.4	53.0





#42
2,4,6-Tribromophenol
Concen: 18.498 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

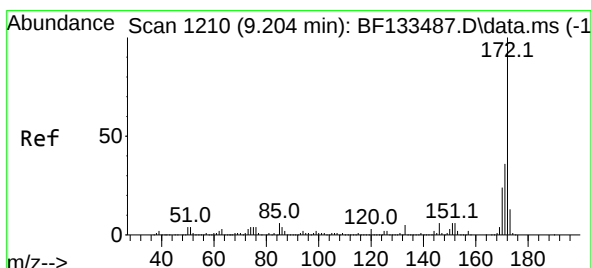
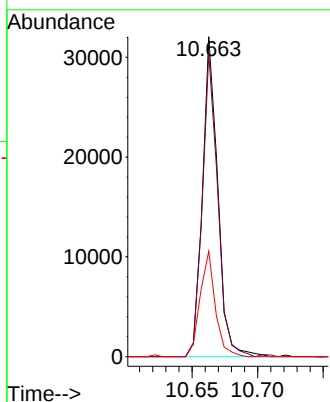
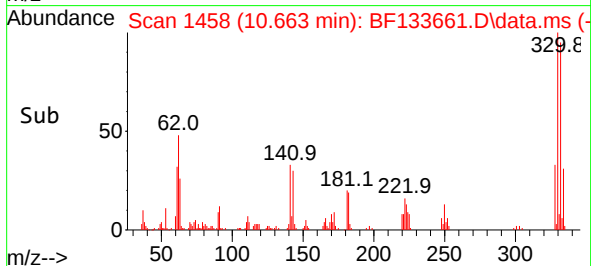
Instrument :
BNA_F
ClientSampleId :
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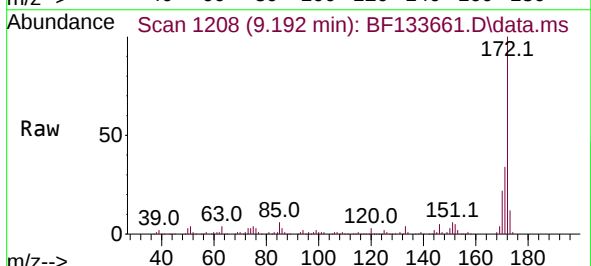
Tgt Ion: 330 Resp: 26119
Ion Ratio Lower Upper
330 100
332 94.7 77.8 116.6
141 32.7 26.6 40.0

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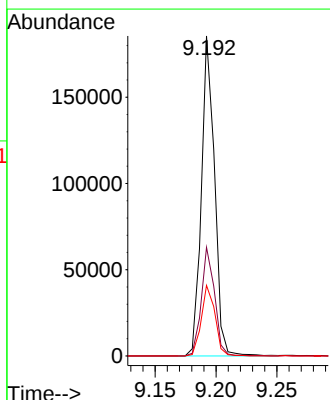
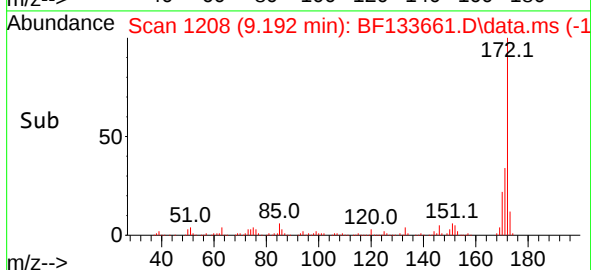
Reviewed By : Yogesh Patel 06/09/2023
Supervised By : mohammad ahmed 06/13/2023

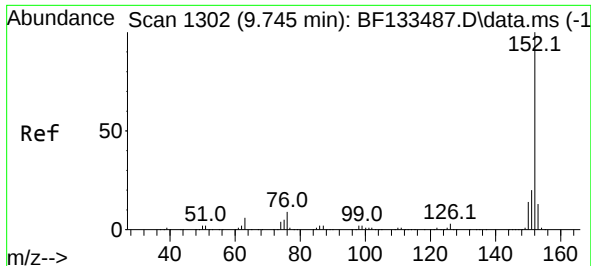


#45
2-Fluorobiphenyl
Concen: 15.242 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33



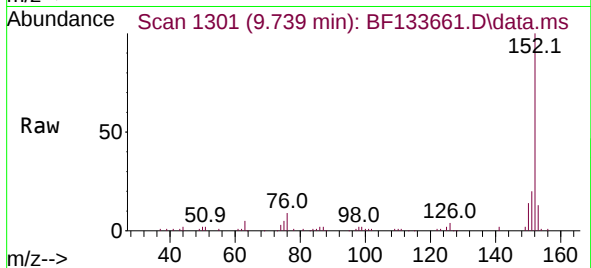
Tgt Ion: 172 Resp: 139885
Ion Ratio Lower Upper
172 100
171 33.9 28.4 42.6
170 22.1 19.3 28.9





#49
Acenaphthylene
Concen: 2.743 ng
RT: 9.739 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

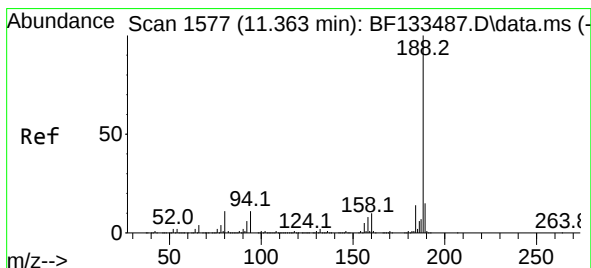
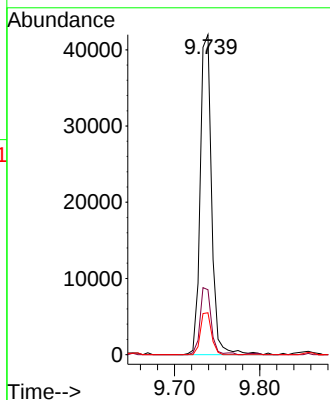
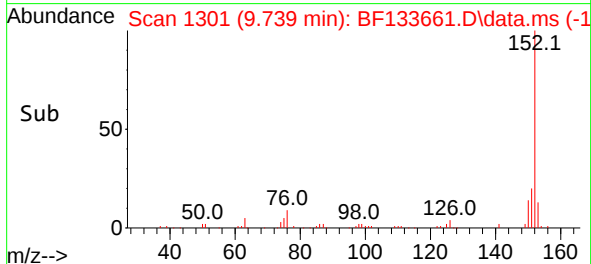
Instrument :
BNA_F
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SB03DL



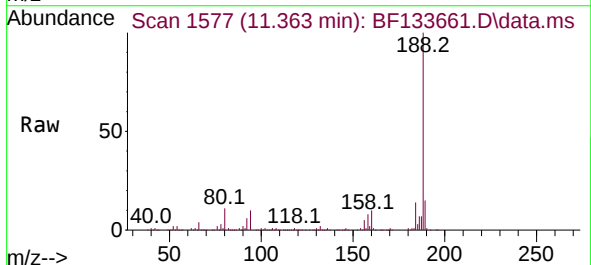
Tgt Ion:152 Resp: 3904
Ion Ratio Lower Upper
152 100
151 20.3 16.0 24.0
153 13.1 10.4 15.6

Manual Integrations
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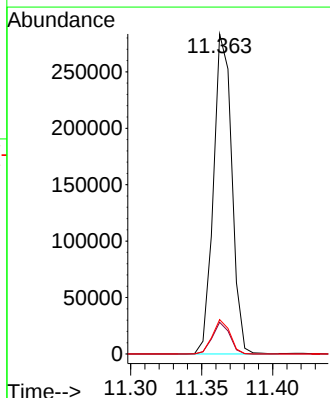
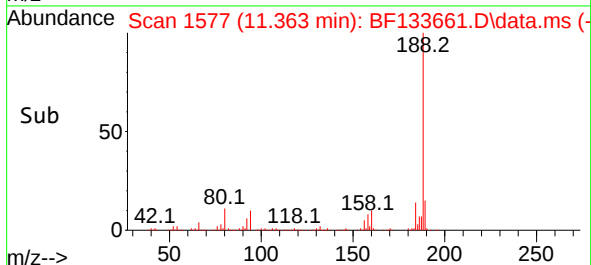
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023

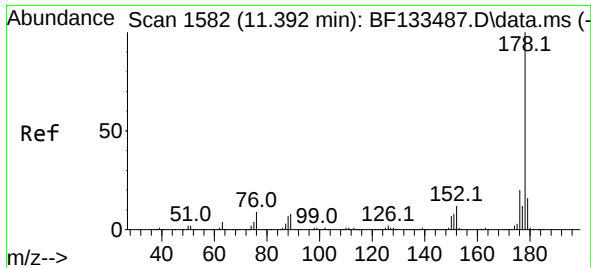


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33



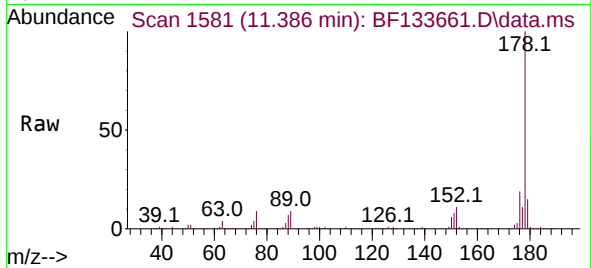
Tgt Ion:188 Resp: 255111
Ion Ratio Lower Upper
188 100
94 9.9 8.6 12.8
80 10.8 9.2 13.8





#71
Phenanthrene
Concen: 18.933 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

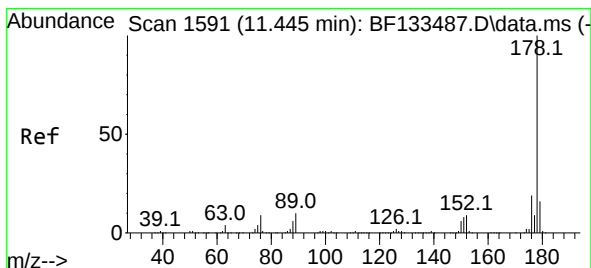
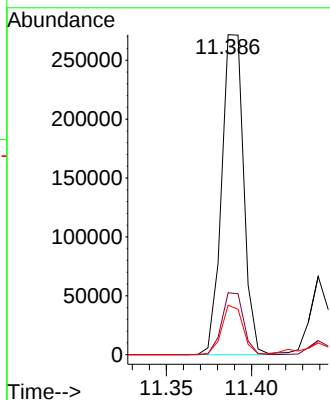
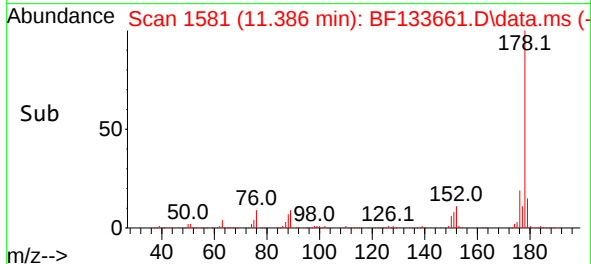
Instrument :
BNA_F
ClientSampleId :
SB03DL



Tgt Ion:178 Resp: 244630
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 15.4 12.4 18.6

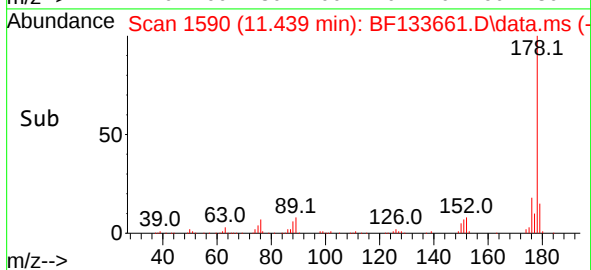
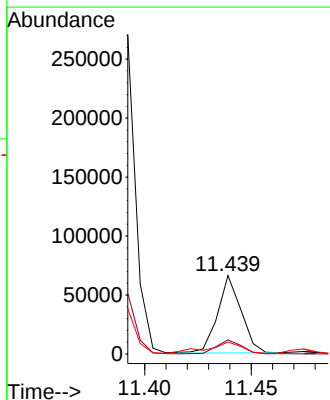
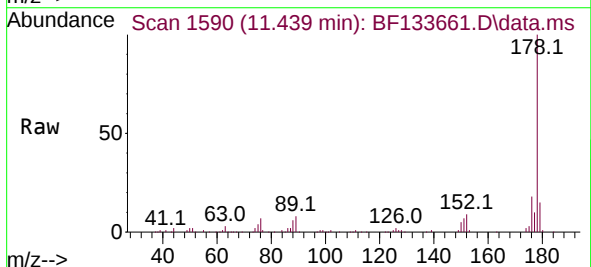
Manual Integrations
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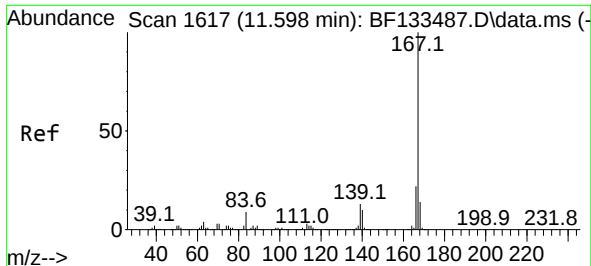
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#72
Anthracene
Concen: 3.785 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

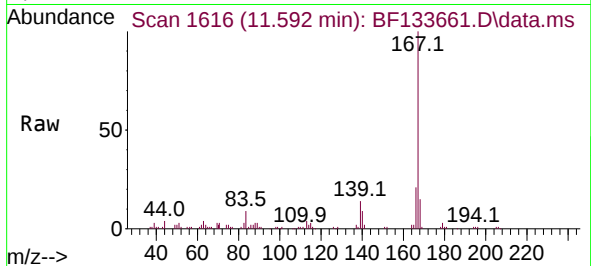
Tgt Ion:178 Resp: 50330
Ion Ratio Lower Upper
178 100
176 18.0 15.3 22.9
179 15.2 12.6 18.8





#73
 Carbazole
 Concen: 2.522 ng
 RT: 11.592 min Scan# 1616
 Delta R.T. -0.006 min
 Lab File: BF133661.D
 Acq: 09 Jun 2023 02:33

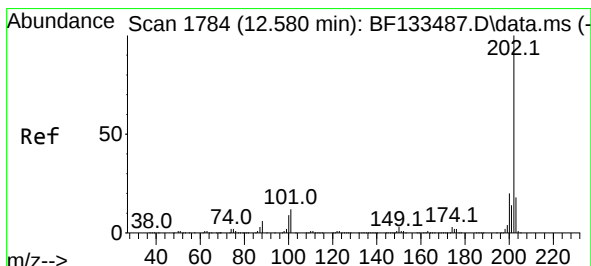
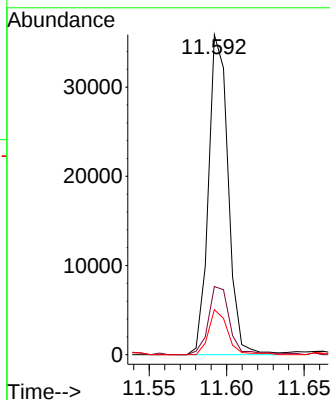
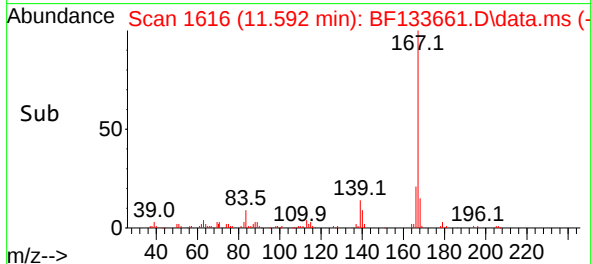
Instrument :
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Tgt Ion:167 Resp: 31719
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.3 25.9
 139 14.0 10.7 16.1

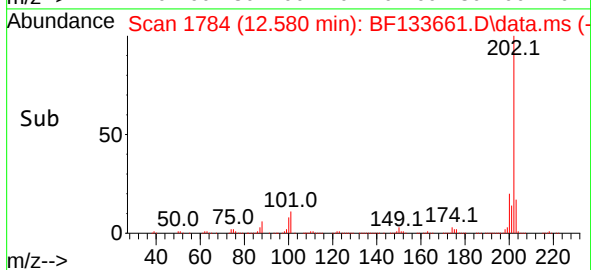
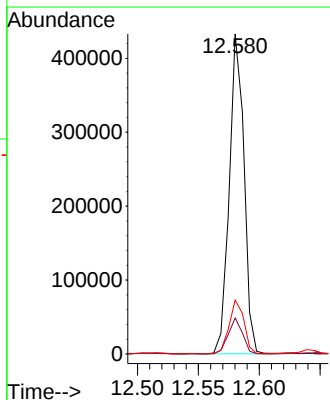
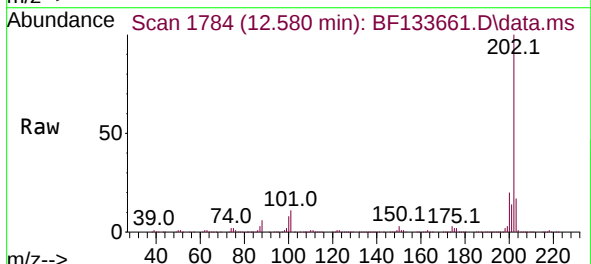
Manual Integrations
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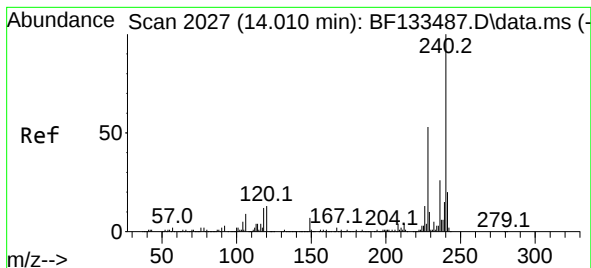
Reviewed By :Yogesh Patel 06/09/2023
 Supervised By :mohammad ahmed 06/13/2023



#75
 Fluoranthene
 Concen: 25.600 ng
 RT: 12.580 min Scan# 1784
 Delta R.T. -0.006 min
 Lab File: BF133661.D
 Acq: 09 Jun 2023 02:33

Tgt Ion:202 Resp: 365369
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 32.2
 203 16.9 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF133661.D

Acq: 09 Jun 2023 02:33

Instrument :

BNA_F

ClientSampleId :

SB03DL

Tgt Ion:240 Resp: 155610

Ion Ratio Lower Upper

240 100

120 11.6 10.3 15.5

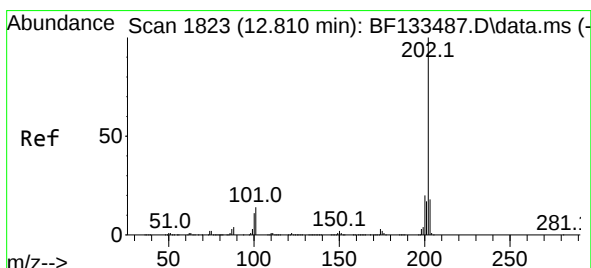
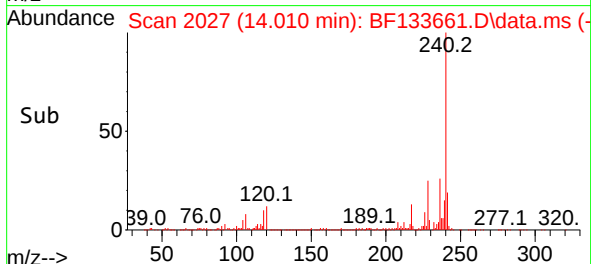
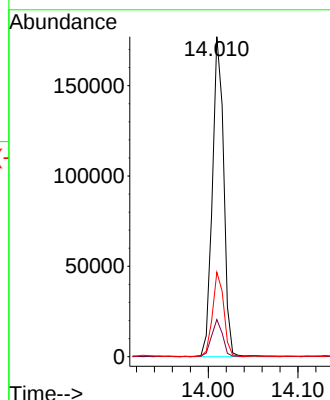
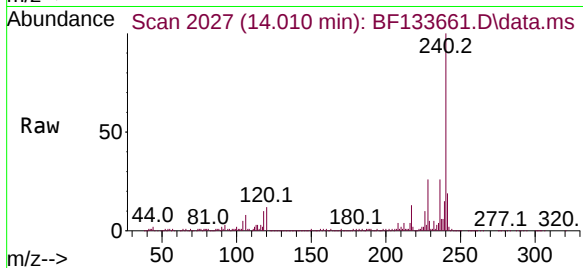
236 26.4 20.5 30.7

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Reviewed By :Yogesh Patel 06/09/2023

Supervised By :mohammad ahmed 06/13/2023



#78

Pyrene

Concen: 22.457 ng

RT: 12.810 min Scan# 1823

Delta R.T. -0.006 min

Lab File: BF133661.D

Acq: 09 Jun 2023 02:33

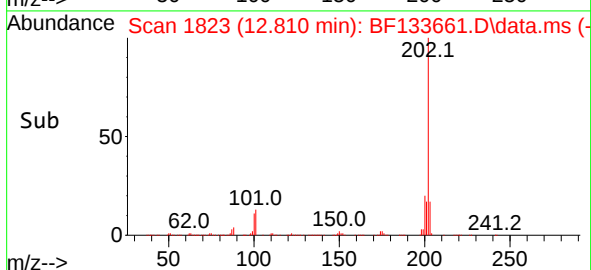
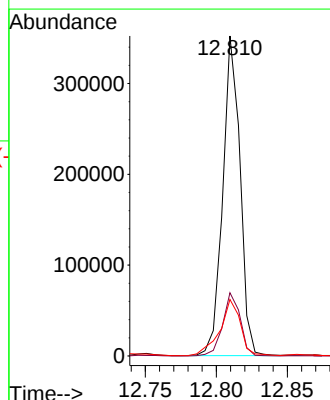
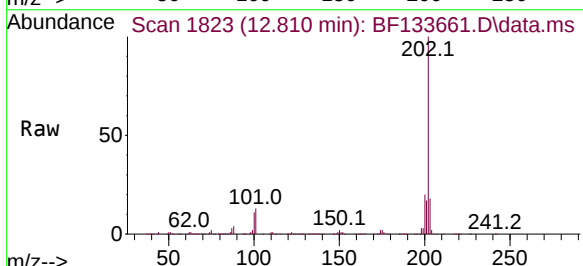
Tgt Ion:202 Resp: 297374

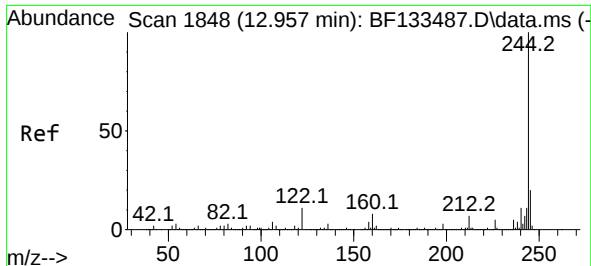
Ion Ratio Lower Upper

202 100

200 19.7 16.3 24.5

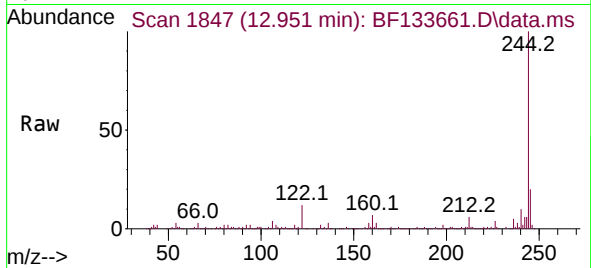
203 17.7 14.3 21.5





#79
 Terphenyl-d14
 Concen: 13.841 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF133661.D
 Acq: 09 Jun 2023 02:33

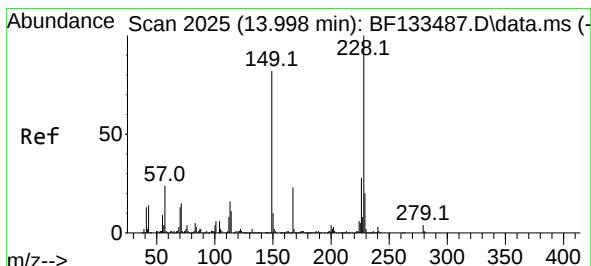
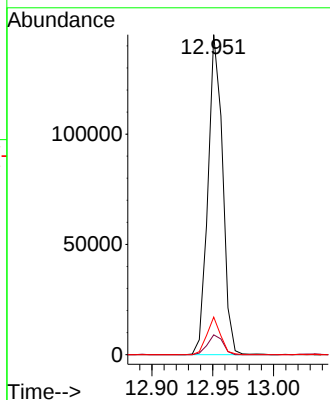
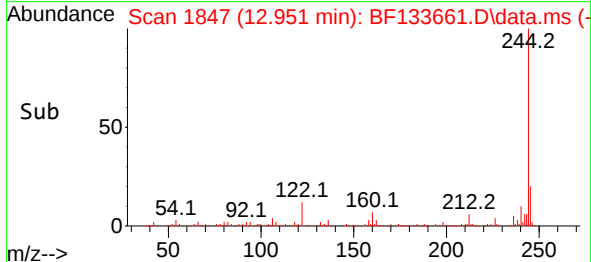
Instrument :
 BNA_F
 ClientSampleId :
 SB03DL



Tgt Ion:244 Resp: 121135
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.8 8.6
 122 11.8 8.5 12.7

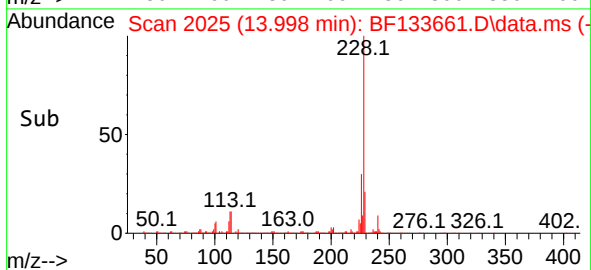
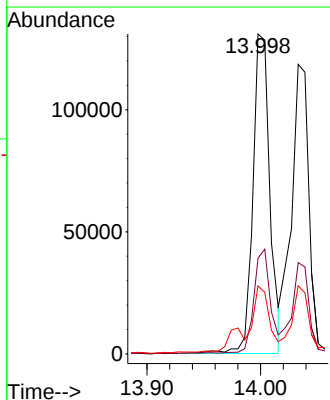
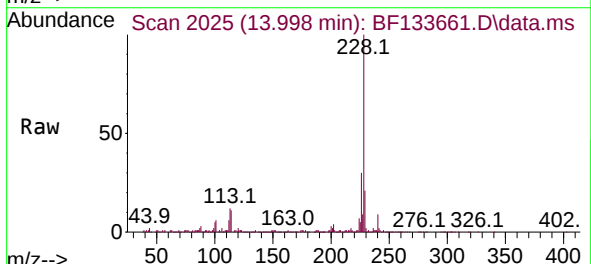
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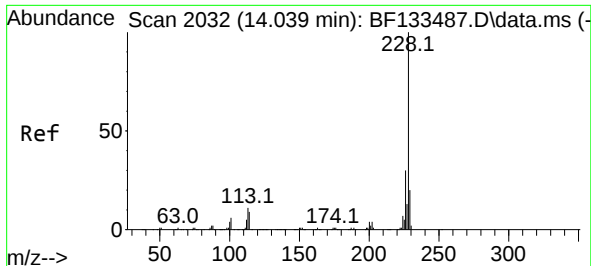
Reviewed By :Yogesh Patel 06/09/2023
 Supervised By :mohammad ahmed 06/13/2023



#81
 Benzo(a)anthracene
 Concen: 13.119 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. -0.006 min
 Lab File: BF133661.D
 Acq: 09 Jun 2023 02:33

Tgt Ion:228 Resp: 135990
 Ion Ratio Lower Upper
 228 100
 226 30.0 22.3 33.5
 229 21.2 16.1 24.1





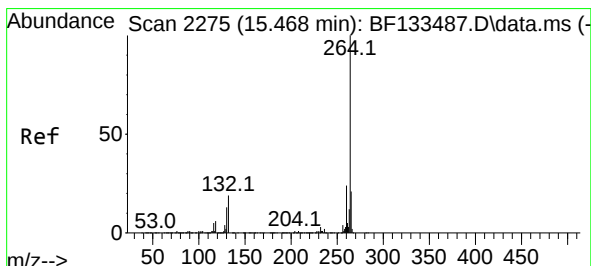
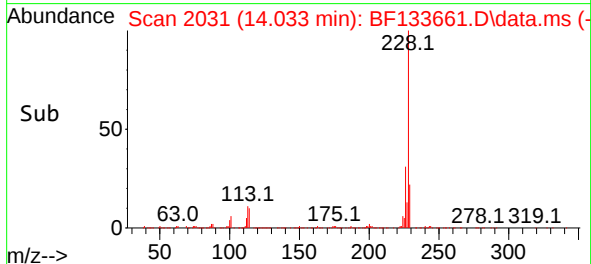
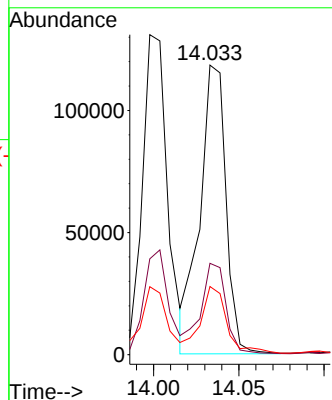
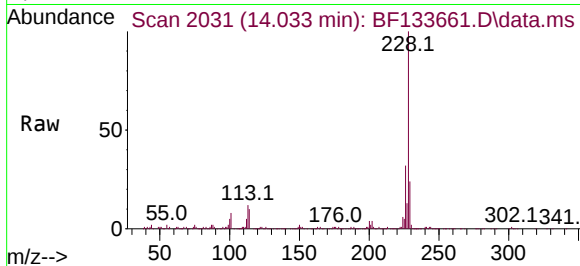
#83
Chrysene
Concen: 12.074 ng
RT: 14.033 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

Instrument :
BNA_F
ClientSampleId :
SB03DL

Tgt Ion:228 Resp: 12635
Ion Ratio Lower Upper
228 100
226 31.5 24.1 36.1
229 23.5 15.8 23.8

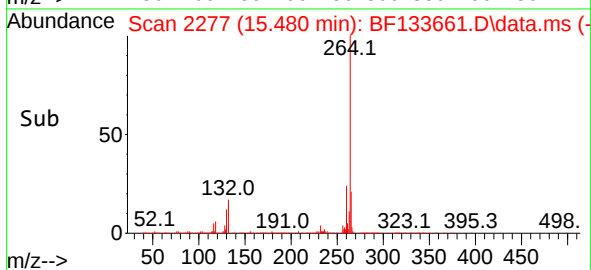
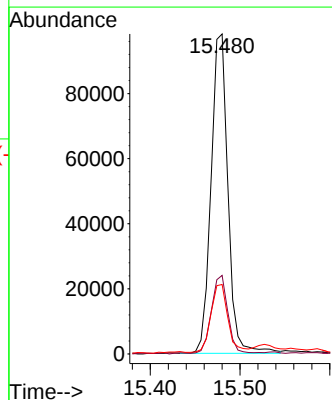
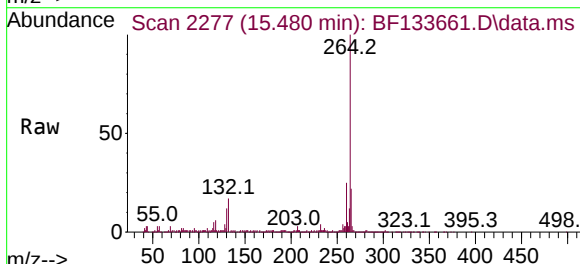
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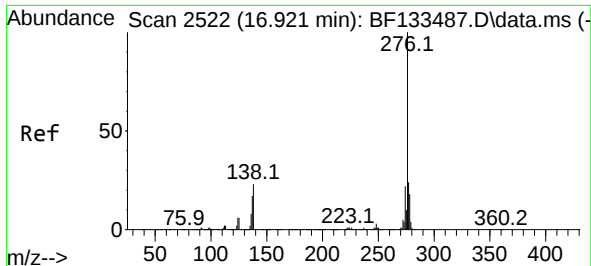
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. -0.000 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

Tgt Ion:264 Resp: 128234
Ion Ratio Lower Upper
264 100
260 24.6 19.0 28.4
265 21.7 16.8 25.2





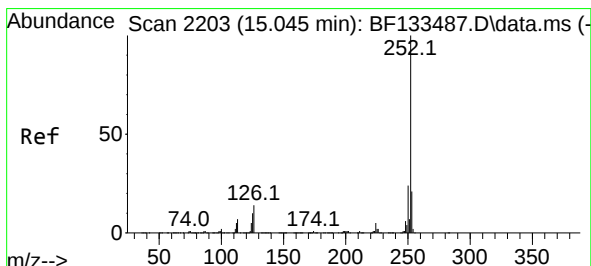
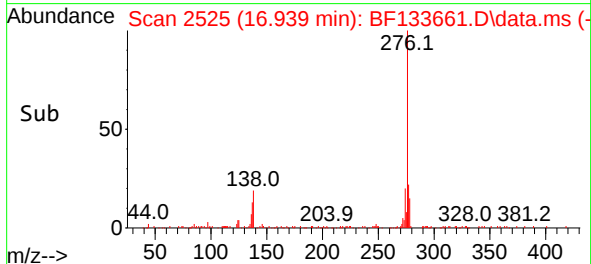
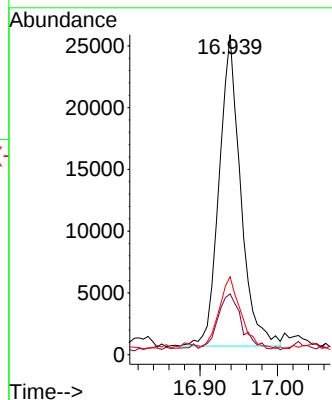
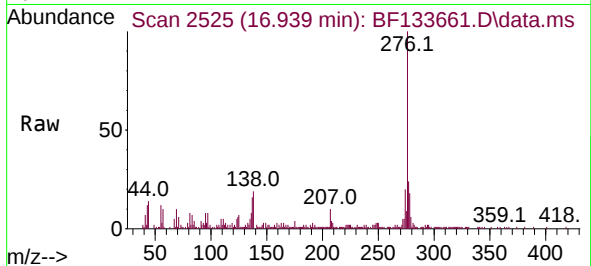
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.958 ng
RT: 16.939 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

Instrument :
BNA_F
ClientSampleId :
SB03DL

Tgt Ion:276 Resp: 48664
Ion Ratio Lower Upper
276 100
138 19.9 21.4 32.2
277 23.3 20.0 30.0

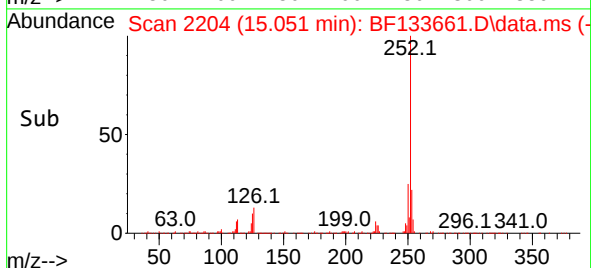
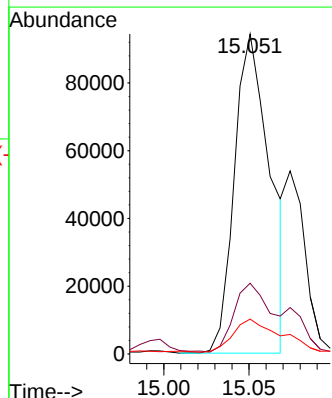
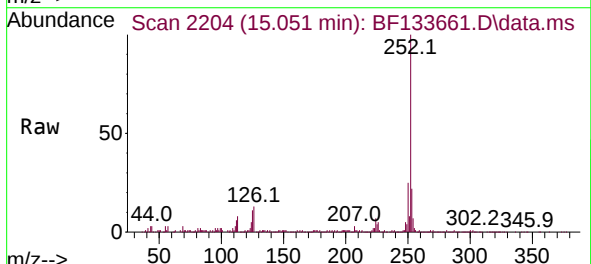
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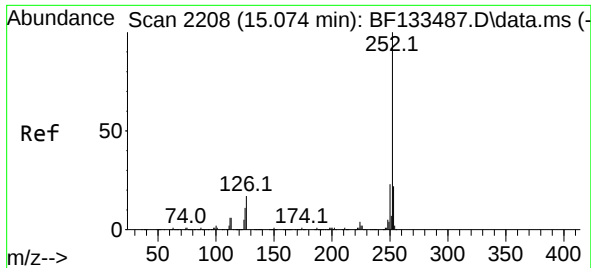
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#88
Benzo(b)fluoranthene
Concen: 16.406 ng m
RT: 15.051 min Scan# 2204
Delta R.T. -0.000 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

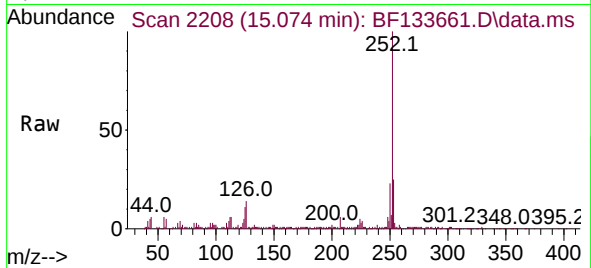
Tgt Ion:252 Resp: 136998
Ion Ratio Lower Upper
252 100
253 22.1 17.2 25.8
125 10.9 8.1 12.1





#89
Benzo(k)fluoranthene
Concen: 5.143 ng m
RT: 15.074 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

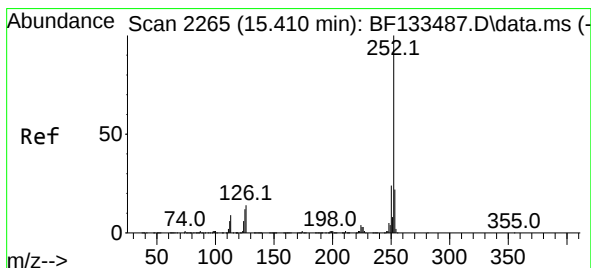
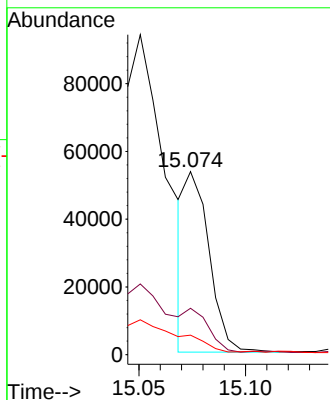
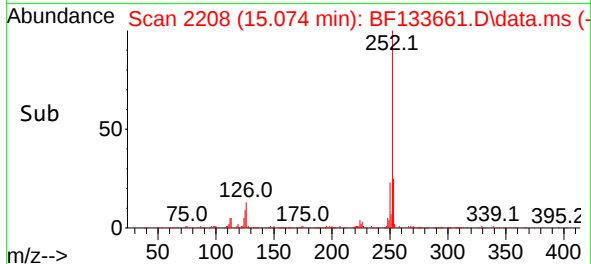
Instrument :
BNA_F
ClientSampleId :
SB03DL



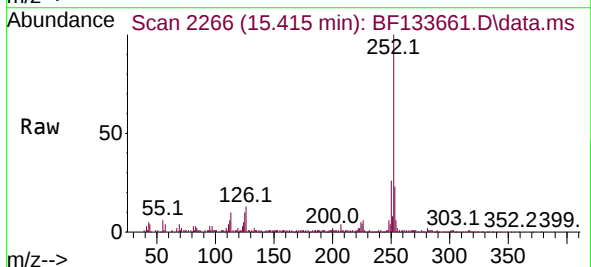
Tgt Ion:252 Resp: 4187
Ion Ratio Lower Upper
252 100
253 25.3 17.4 26.2
125 10.7 8.3 12.5

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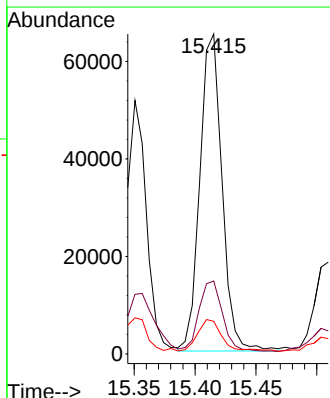
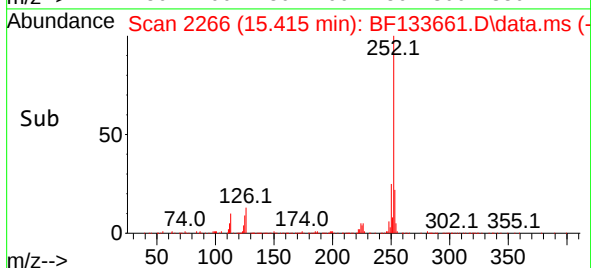
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023

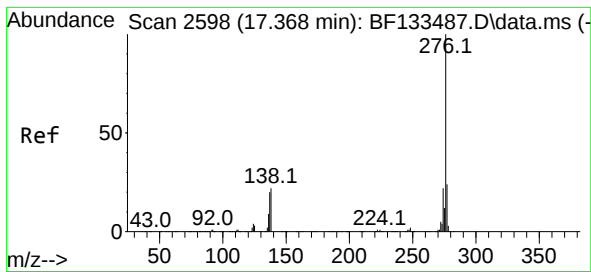


#90
Benzo(a)pyrene
Concen: 10.875 ng
RT: 15.415 min Scan# 2266
Delta R.T. -0.000 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33



Tgt Ion:252 Resp: 82634
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 10.2 9.4 14.0





#92

Benzo(g,h,i)perylene

Concen: 6.419 ng

RT: 17.386 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133661.D

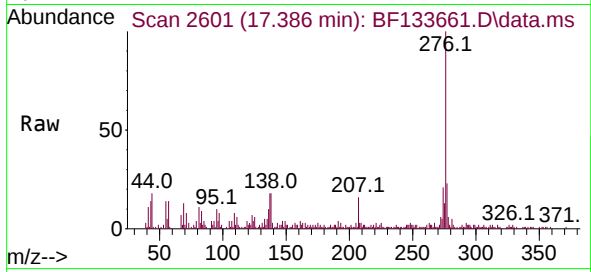
Acq: 09 Jun 2023 02:33

Instrument :

BNA_F

ClientSampleId :

SB03DL



Tgt Ion:276 Resp: 42862

Ion Ratio Lower Upper

276 100

277 23.1 18.8 28.2

138 18.4 17.8 26.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/09/2023

Supervised By :mohammad ahmed 06/13/2023

