

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060923\
 Data File : BF133678.D
 Acq On : 09 Jun 2023 16:18
 Operator : CG\JU
 Sample : 03068-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-2-060623

Manual Integrations
 APPROVED

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

Quant Time: Jun 09 16:47:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 09 15:37:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	83060	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	293090	20.000	ng	0.00
39) Acenaphthene-d10	9.874	164	125964	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	202331	20.000	ng	0.00
76) Chrysene-d12	14.010	240	127831	20.000	ng	0.00
86) Perylene-d12	15.480	264	102268	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	421050	88.250	ng	0.00
7) Phenol-d6	6.463	99	486439	78.327	ng	0.00
23) Nitrobenzene-d5	7.398	82	331859	61.671	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	109078	68.410	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	561775	63.397	ng	0.00
79) Terphenyl-d14	12.957	244	452451	54.767	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.733	152	38724	3.053	ng	96
52) Acenaphthene	9.910	154	15103	2.034	ng	98
58) Fluorene	10.422	166	27818	3.211	ng	96
63) Azobenzene	10.586	77	21785	2.405	ng	# 1
71) Phenanthrene	11.386	178	185336	18.055	ng	100
72) Anthracene	11.439	178	49244	4.601	ng	97
75) Fluoranthene	12.580	202	291592	26.749	ng	99
78) Pyrene	12.815	202	301918	25.354	ng	99
81) Benzo(a)anthracene	14.004	228	125409	14.183	ng	91
83) Chrysene	14.039	228	120989	14.467	ng	97
87) Indeno(1,2,3-cd)pyrene	16.939	276	53937	7.666	ng	96
88) Benzo(b)fluoranthene	15.051	252	128609m	20.702	ng	
89) Benzo(k)fluoranthene	15.074	252	39891m	6.592	ng	
90) Benzo(a)pyrene	15.415	252	96133	16.674	ng	97
92) Benzo(g,h,i)perylene	17.386	276	52577	9.104	ng	# 95

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

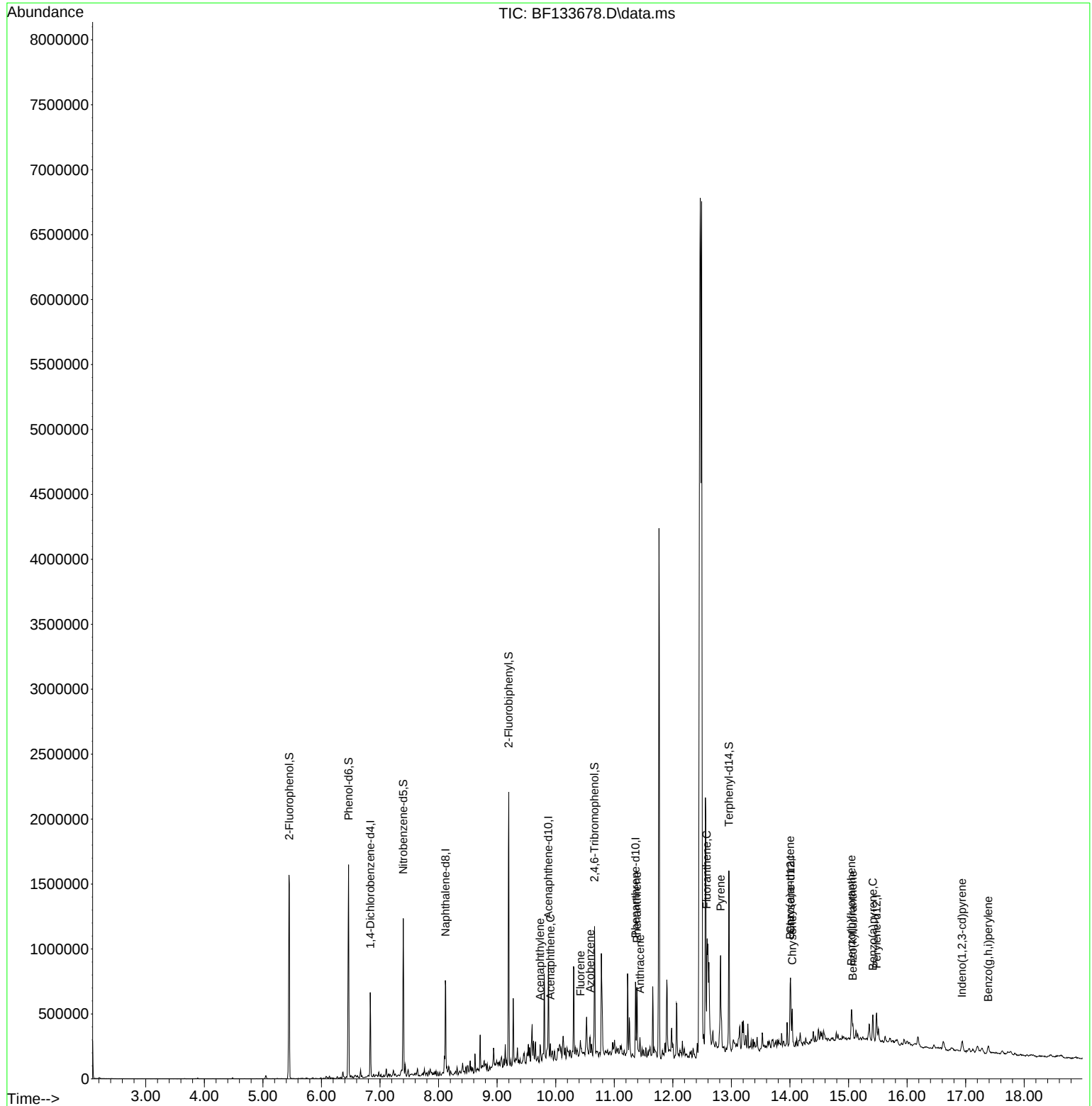
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060923\
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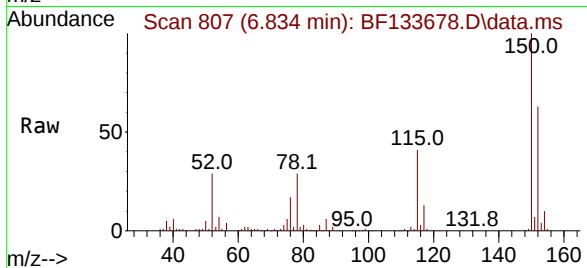
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

Instrument :

BNA_F

ClientSampleId :

SU-2-060623

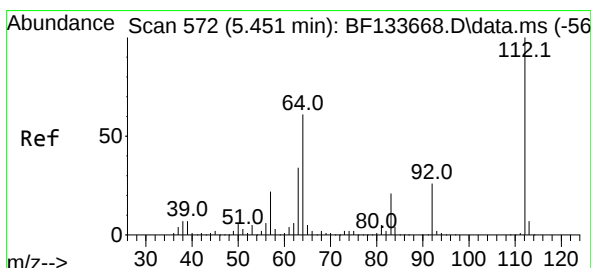
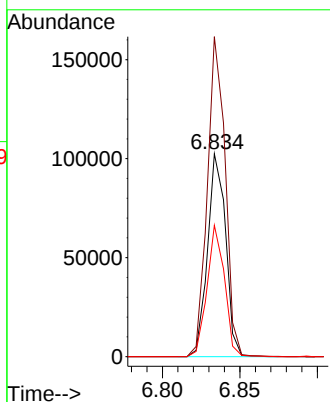
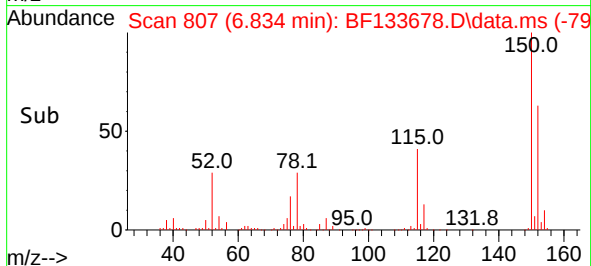


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Ion Ratio Lower Upper
152 100
150 157.7 124.3 186.5
115 64.7 48.5 72.7

Manual Integrations

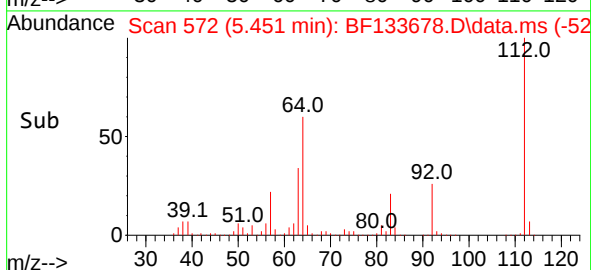
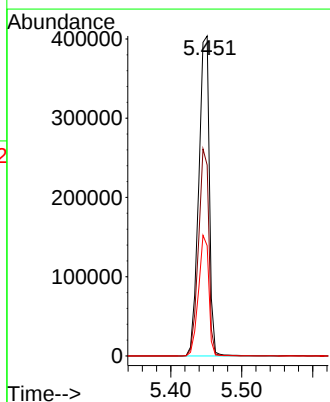
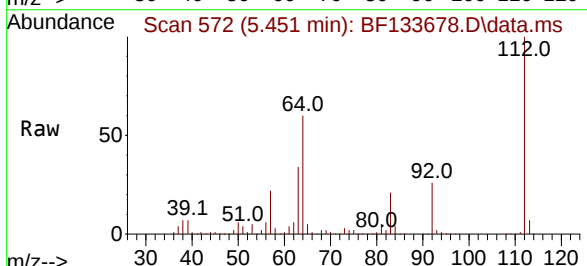
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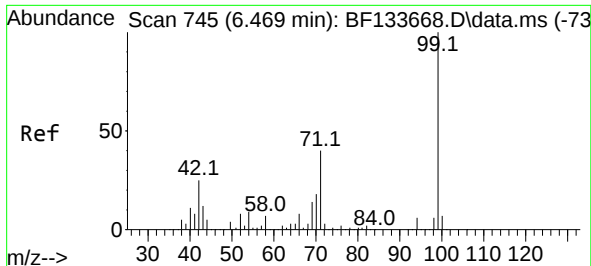
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#5
2-Fluorophenol
Concen: 88.250 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.000 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

Tgt Ion:112 Resp: 421050
Ion Ratio Lower Upper
112 100
64 59.6 49.0 73.4
63 34.5 26.8 40.2





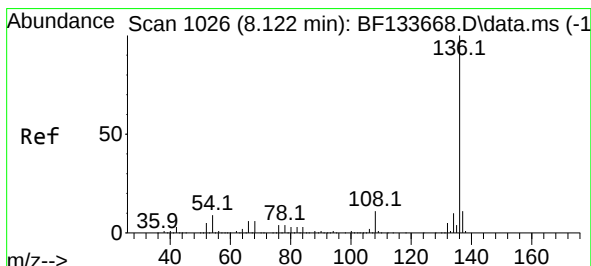
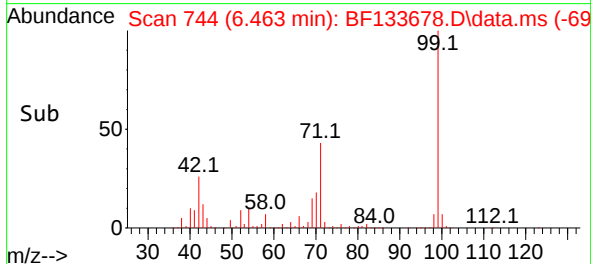
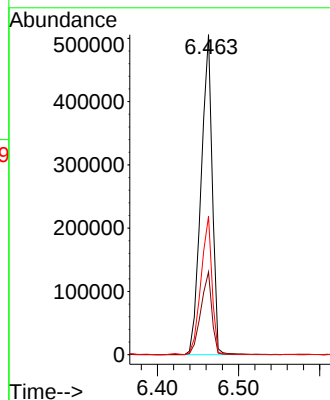
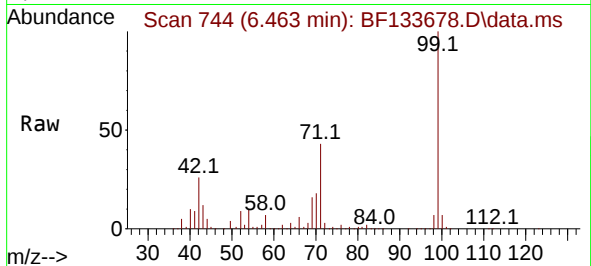
#7
Phenol-d6
Concen: 78.327 ng
RT: 6.463 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 486439
Ion Ratio Lower Upper
99 100
42 25.9 19.9 29.9
71 43.2 32.2 48.4

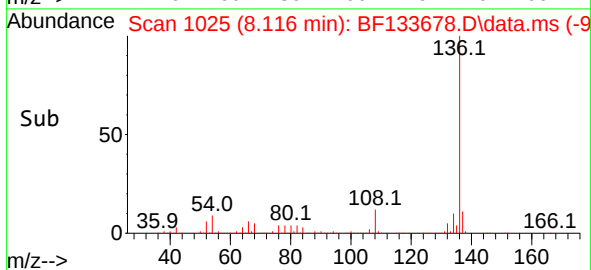
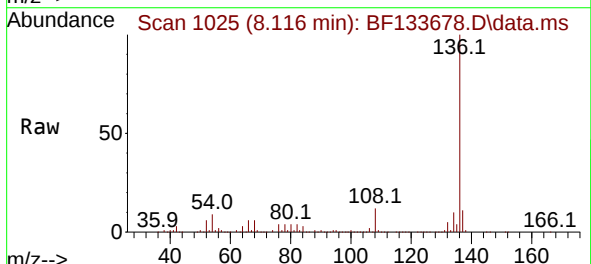
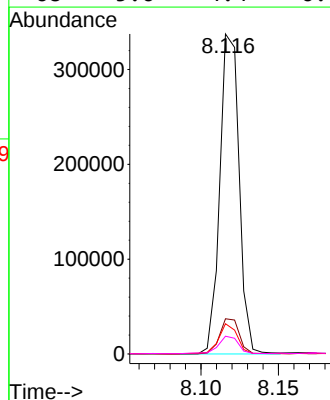
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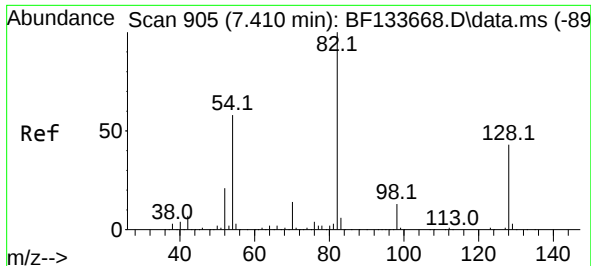
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

Tgt Ion:136 Resp: 293090
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 9.4 7.4 11.0
68 5.6 4.4 6.6





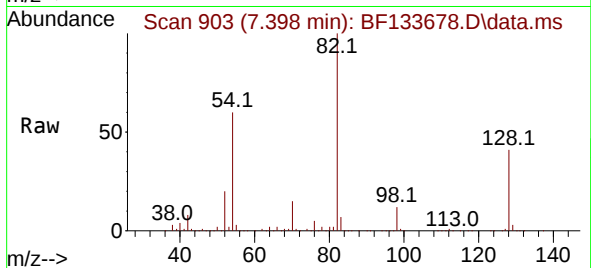
#23
Nitrobenzene-d5
Concen: 61.671 ng
RT: 7.398 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

Instrument :

BNA_F

ClientSampleId :

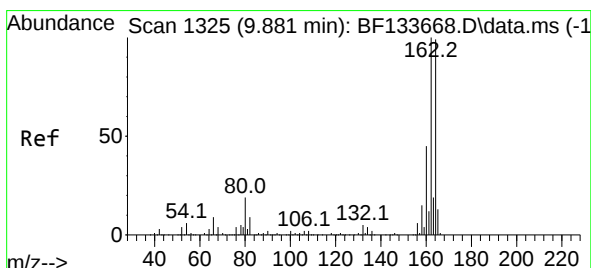
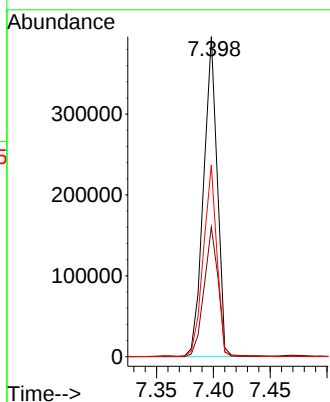
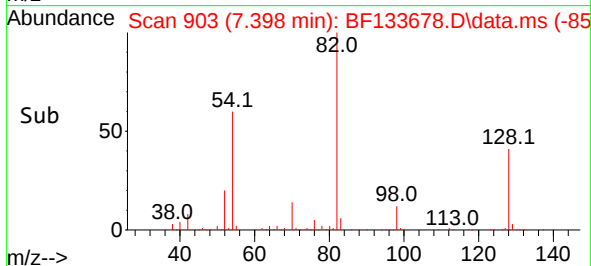
SU-2-060623



Tgt Ion: 82 Resp: 331859
Ion Ratio Lower Upper
82 100
128 40.5 34.2 51.2
54 59.9 46.5 69.7

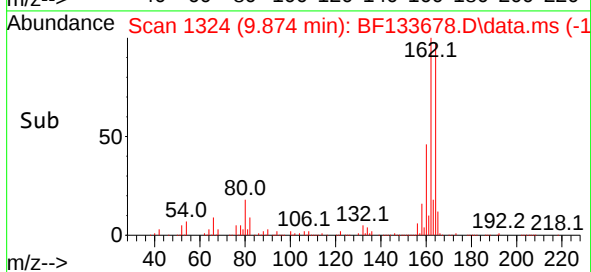
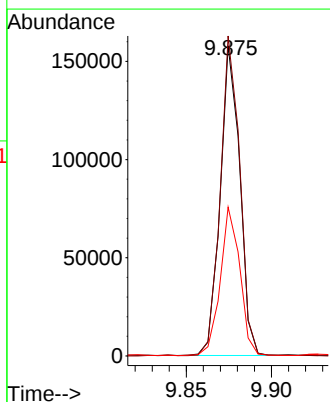
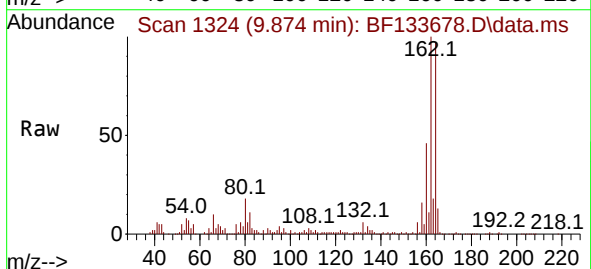
Manual Integrations
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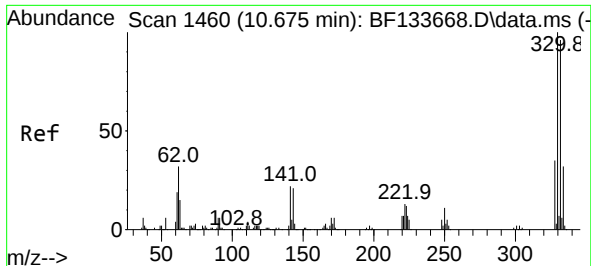
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.874 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

Tgt Ion:164 Resp: 125964
Ion Ratio Lower Upper
164 100
162 103.2 80.8 121.2
160 48.0 36.7 55.1





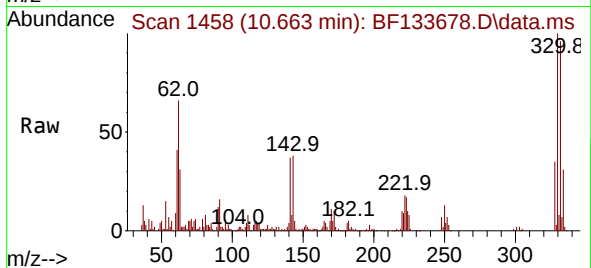
#42
2,4,6-Tribromophenol
Concen: 68.410 ng
RT: 10.663 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

Instrument :

BNA_F

ClientSampleId :

SU-2-060623

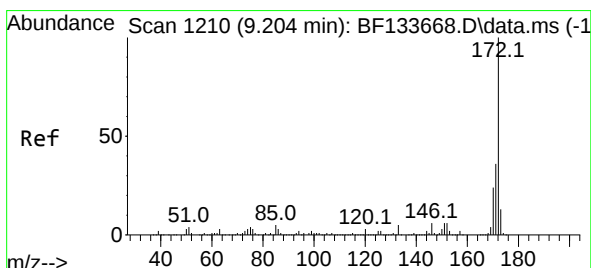
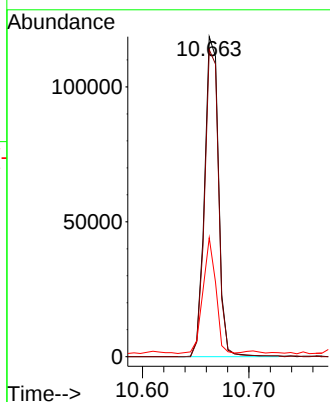
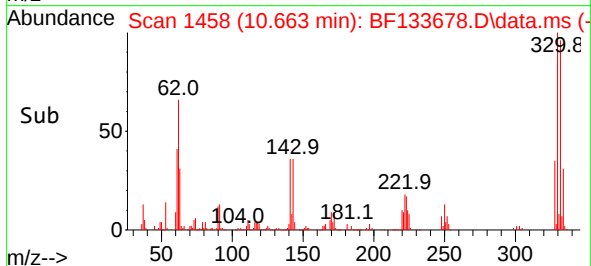


Tgt Ion:330 Resp: 109078
Ion Ratio Lower Upper
330 100
332 96.2 77.2 115.8
141 33.0 24.9 37.3

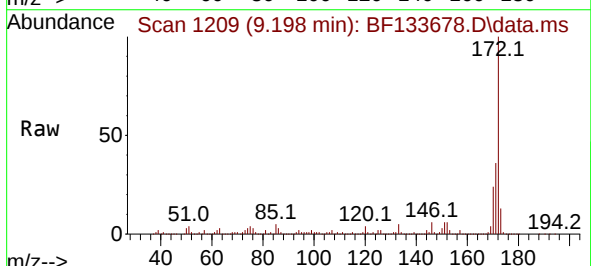
Manual Integrations

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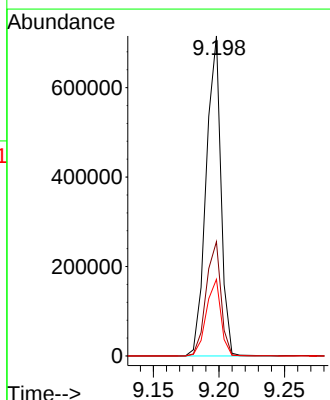
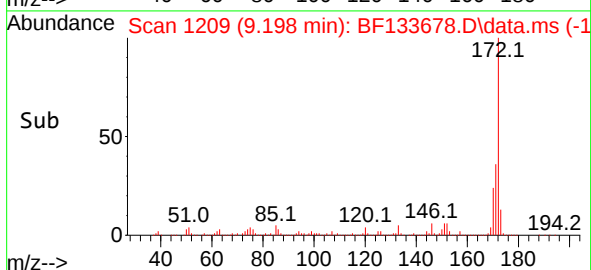
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023

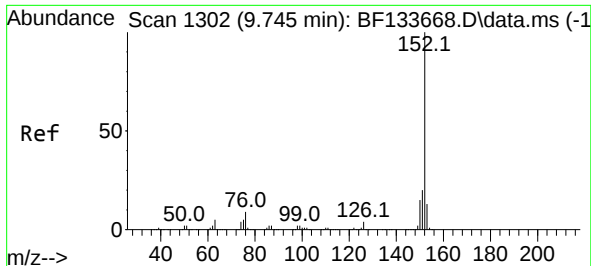


#45
2-Fluorobiphenyl
Concen: 63.397 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18



Tgt Ion:172 Resp: 561775
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 23.9 19.1 28.7





#49
Acenaphthylene
Concen: 3.053 ng
RT: 9.733 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

Instrument :

BNA_F

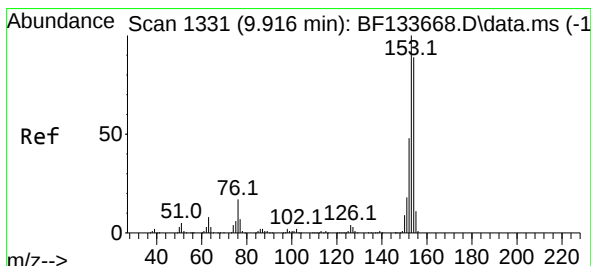
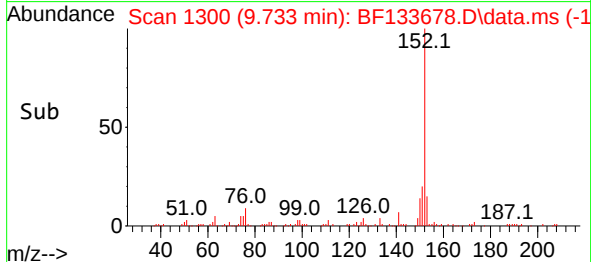
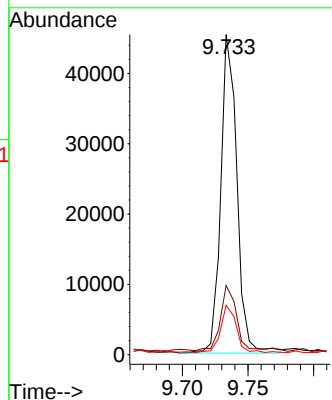
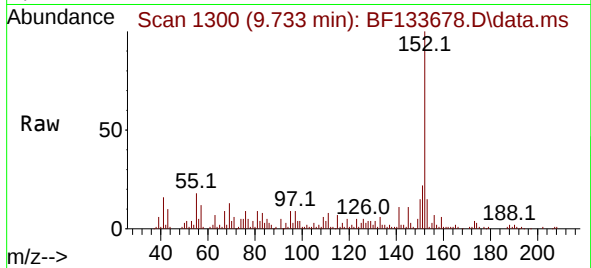
ClientSampleId :

SU-2-060623

Tgt Ion:152 Resp: 38724
Ion Ratio Lower Upper
152 100
151 21.6 16.2 24.4
153 15.4 10.4 15.6

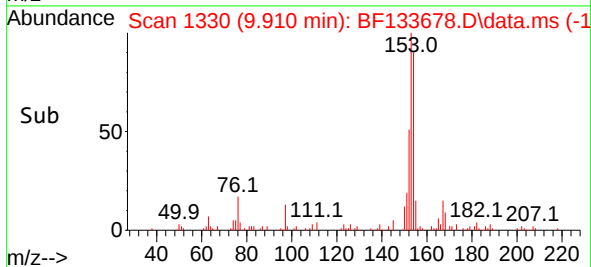
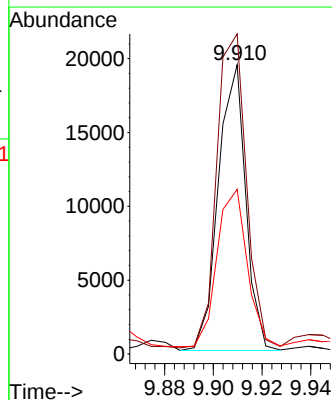
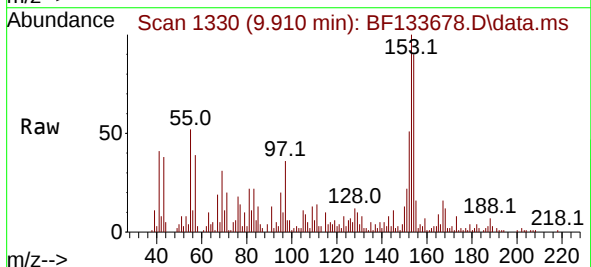
Manual Integrations
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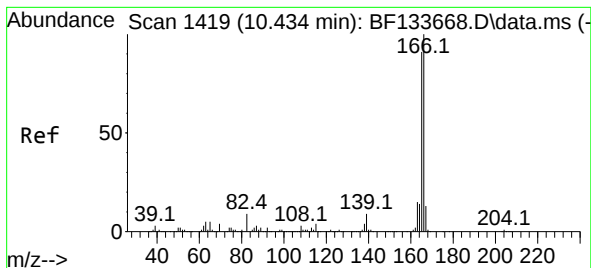
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#52
Acenaphthene
Concen: 2.034 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

Tgt Ion:154 Resp: 15103
Ion Ratio Lower Upper
154 100
153 110.6 89.8 134.8
152 56.9 43.4 65.2





#58

Fluorene

Concen: 3.211 ng

RT: 10.422 min Scan# 1417

Delta R.T. -0.012 min

Lab File: BF133678.D

Acq: 09 Jun 2023 16:18

Instrument :

BNA_F

ClientSampleId :

SU-2-060623

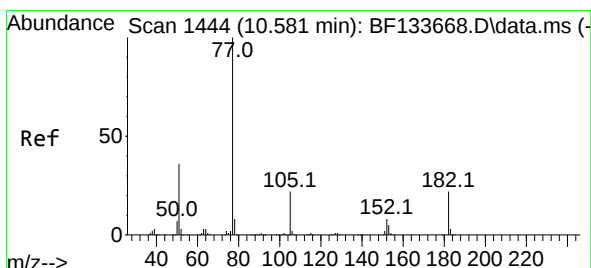
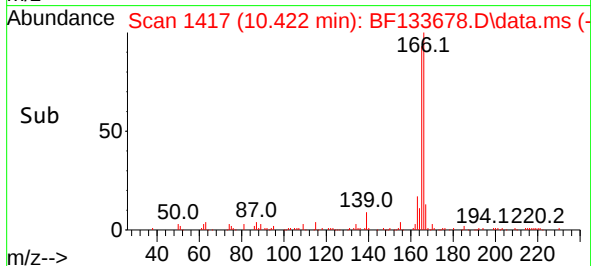
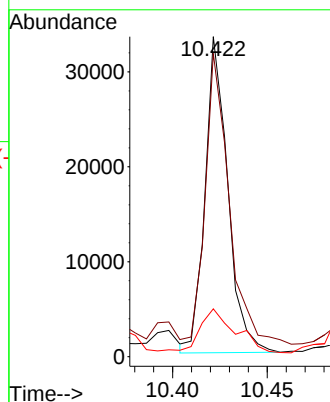
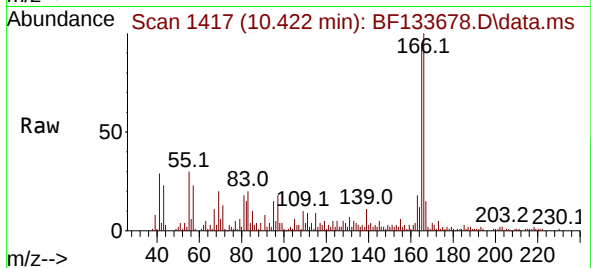
Tgt Ion:166	Resp:	27818
Ion Ratio	Lower	Upper
166	100	
165	94.8	73.1 109.7
167	15.0	10.5 15.7

Manual Integrations

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Reviewed By :Yogesh Patel 06/13/2023

Supervised By :mohammad ahmed 06/13/2023



#63

Azobenzene

Concen: 2.405 ng

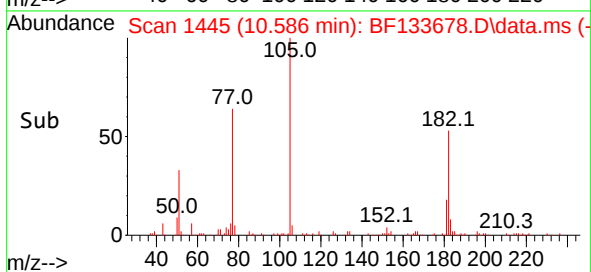
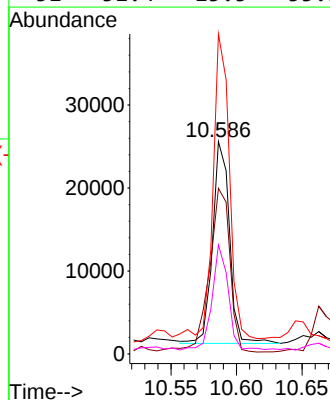
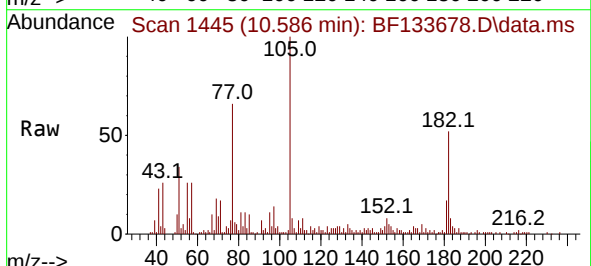
RT: 10.586 min Scan# 1445

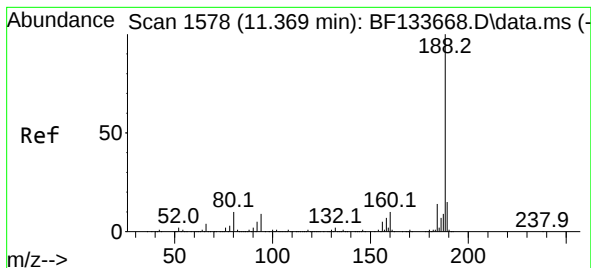
Delta R.T. 0.005 min

Lab File: BF133678.D

Acq: 09 Jun 2023 16:18

Tgt Ion: 77	Resp:	21785
Ion Ratio	Lower	Upper
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182	78.0	1.6 41.6#
105	150.6	1.6 41.6#
51	51.4	15.5 55.5





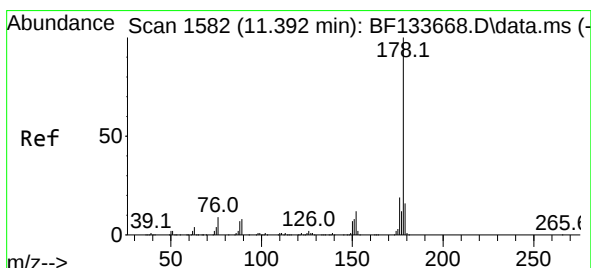
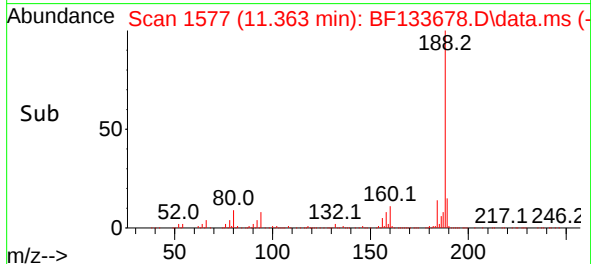
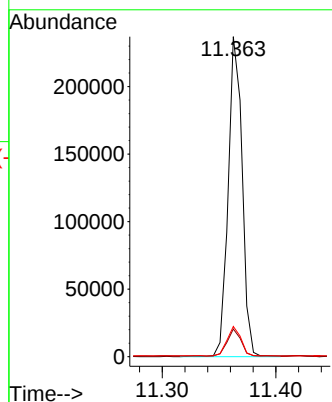
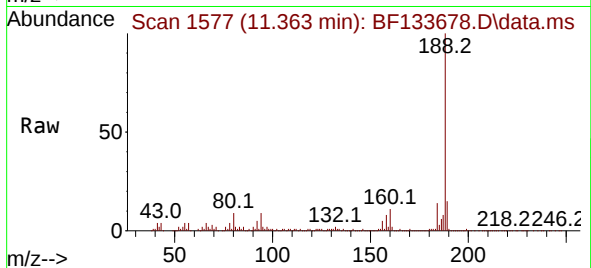
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

Instrument :
BNA_F
ClientSampleId :
SU-2-060623

Tgt Ion:188 Resp: 20233
Ion Ratio Lower Upper
188 100
94 8.6 6.8 10.2
80 9.5 7.8 11.6

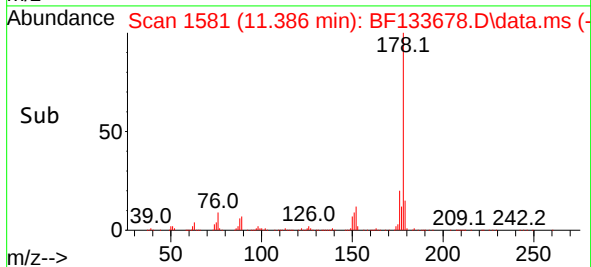
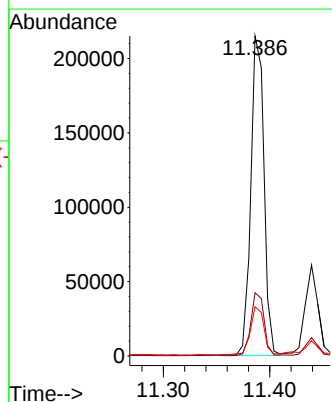
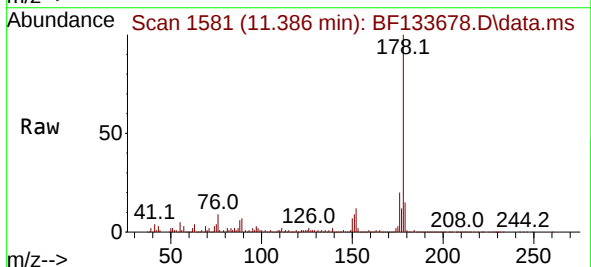
Manual Integrations
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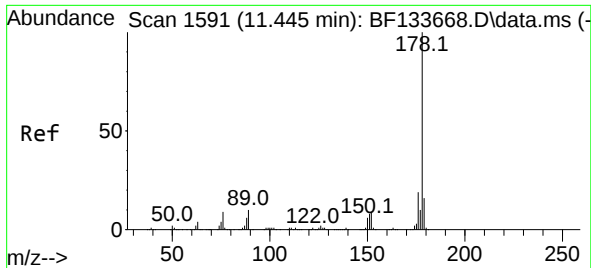
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#71
Phenanthrene
Concen: 18.055 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

Tgt Ion:178 Resp: 185336
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 15.4 12.4 18.6





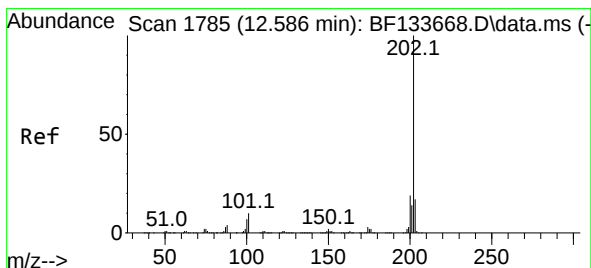
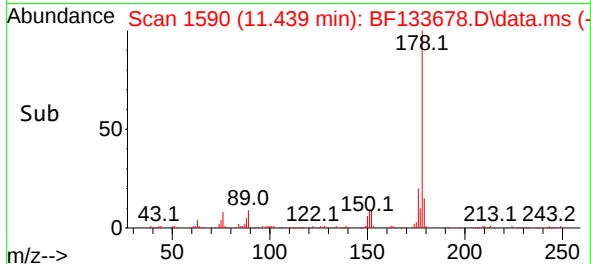
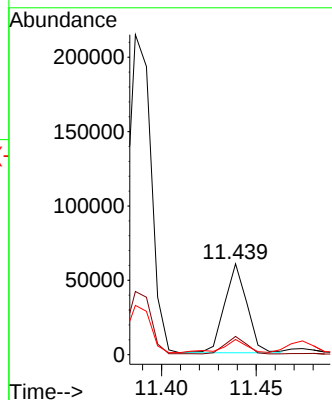
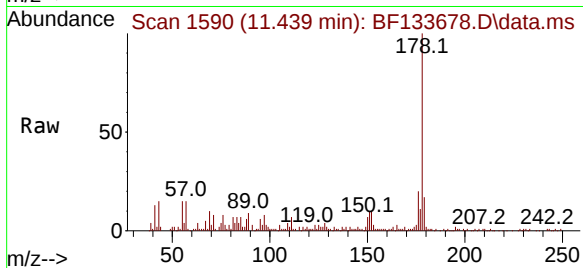
#72
 Anthracene
 Concen: 4.601 ng
 RT: 11.439 min Scan# 1591
 Delta R.T. -0.006 min
 Lab File: BF133678.D
 Acq: 09 Jun 2023 16:18

Instrument :
 BNA_F
 ClientSampleId :
 SU-2-060623

Tgt Ion:178 Resp: 49244
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.1 22.7
 179 16.8 12.6 18.8

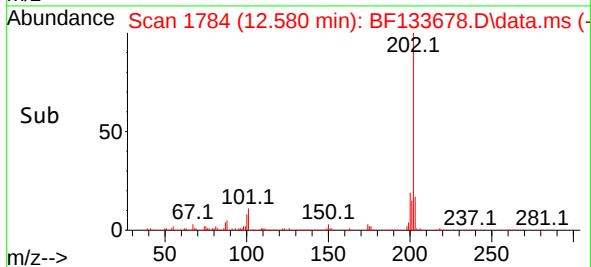
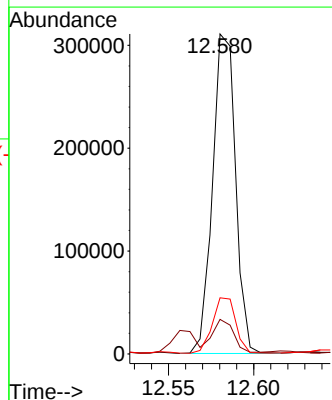
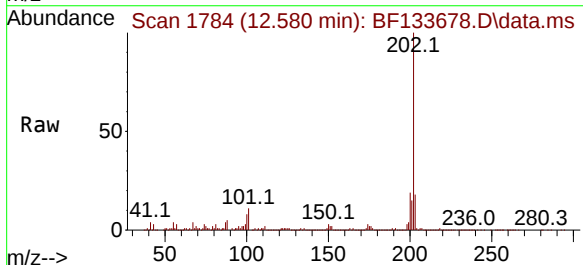
Manual Integrations
 APPROVED

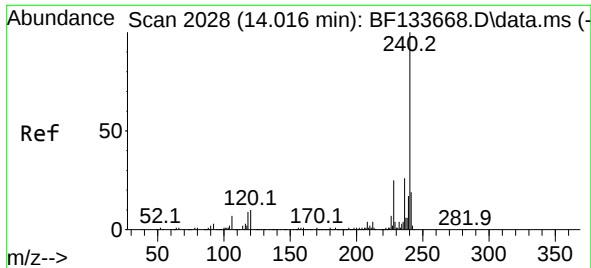
Reviewed By :Yogesh Patel 06/13/2023
 Supervised By :mohammad ahmed 06/13/2023



#75
 Fluoranthene
 Concen: 26.749 ng
 RT: 12.580 min Scan# 1784
 Delta R.T. -0.006 min
 Lab File: BF133678.D
 Acq: 09 Jun 2023 16:18

Tgt Ion:202 Resp: 291592
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 29.6
 203 17.6 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

Instrument :

BNA_F

ClientSampleId :

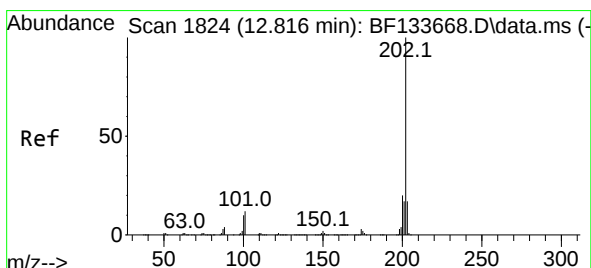
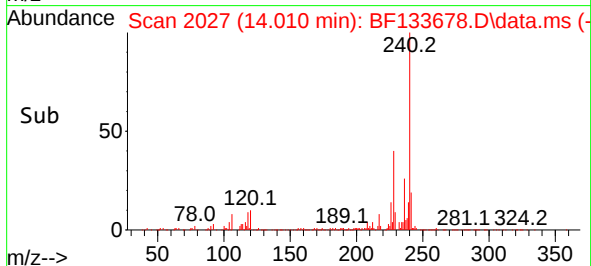
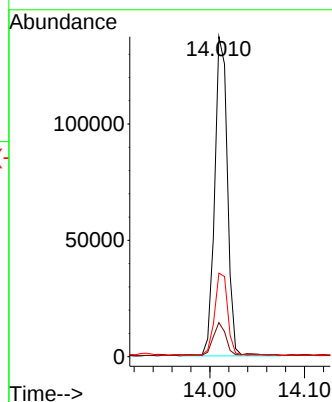
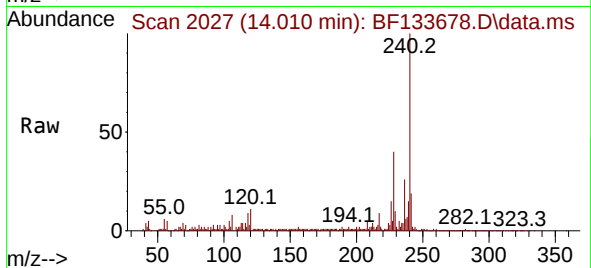
SU-2-060623

Tgt Ion:240 Resp: 12783
Ion Ratio Lower Upper
240 100
120 10.7 8.1 12.1
236 26.1 20.5 30.7

Manual Integrations

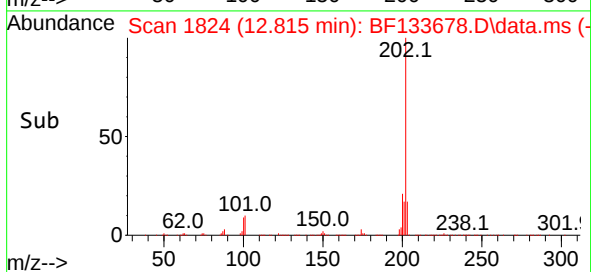
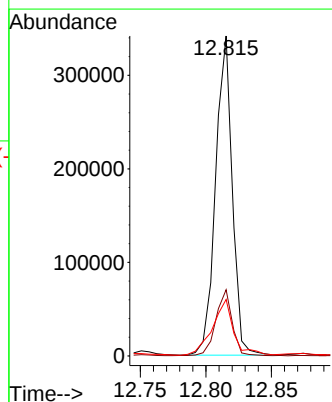
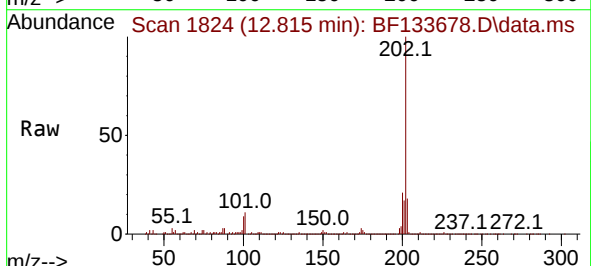
APPROVED

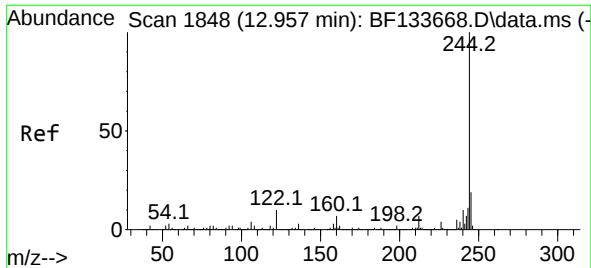
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#78
Pyrene
Concen: 25.354 ng
RT: 12.815 min Scan# 1824
Delta R.T. -0.000 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

Tgt Ion:202 Resp: 301918
Ion Ratio Lower Upper
202 100
200 20.7 16.2 24.2
203 17.6 13.9 20.9





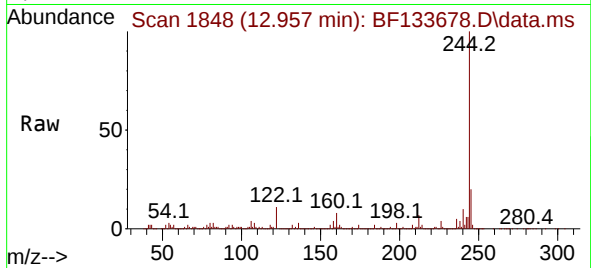
#79
 Terphenyl-d14
 Concen: 54.767 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. -0.000 min
 Lab File: BF133678.D
 Acq: 09 Jun 2023 16:18

Instrument :

BNA_F

ClientSampleId :

SU-2-060623



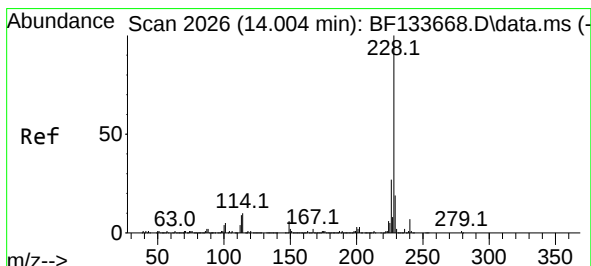
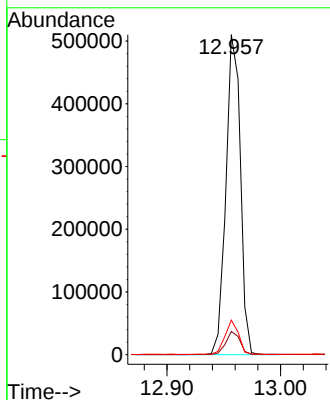
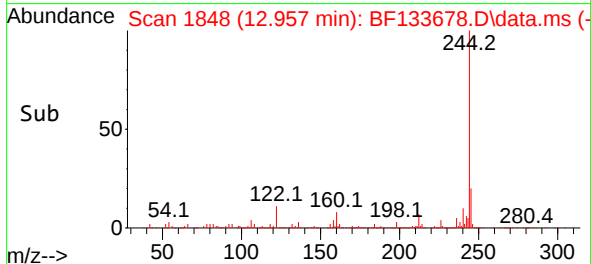
Tgt Ion:244 Resp: 45245
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.2
 122 10.8 8.1 12.1

Manual Integrations

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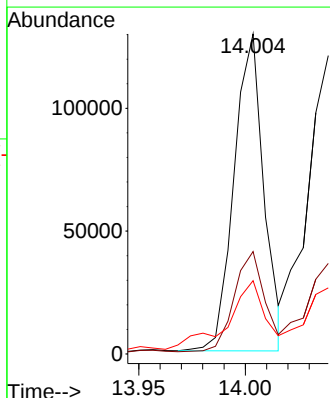
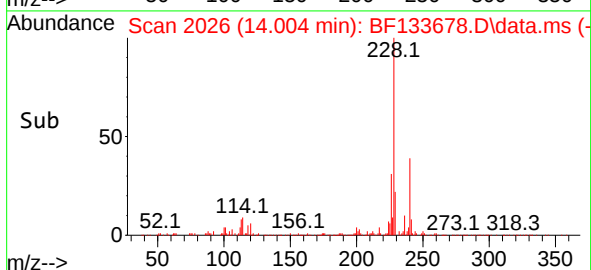
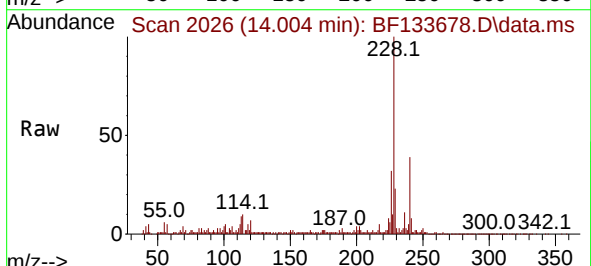
Reviewed By :Yogesh Patel 06/13/2023

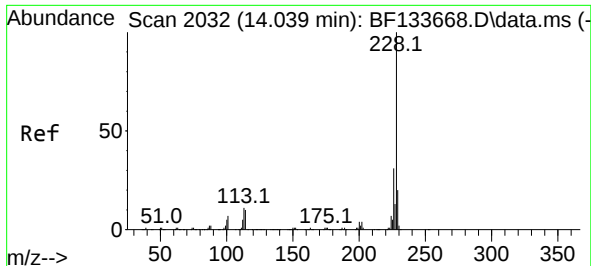
Supervised By :mohammad ahmed 06/13/2023



#81
 Benzo(a)anthracene
 Concen: 14.183 ng
 RT: 14.004 min Scan# 2026
 Delta R.T. -0.000 min
 Lab File: BF133678.D
 Acq: 09 Jun 2023 16:18

Tgt Ion:228 Resp: 125409
 Ion Ratio Lower Upper
 228 100
 226 32.0 21.7 32.5
 229 22.9 15.4 23.2





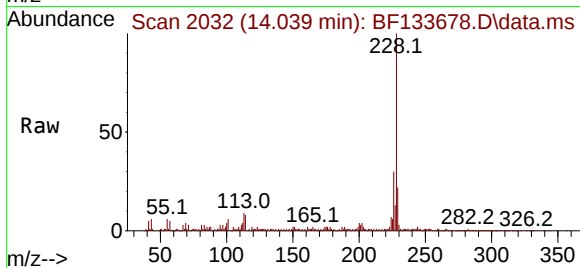
#83
Chrysene
Concen: 14.467 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

Instrument :

BNA_F

ClientSampleId :

SU-2-060623

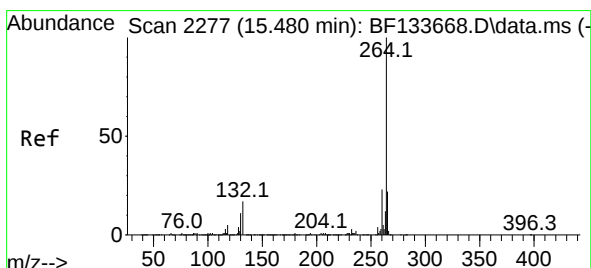
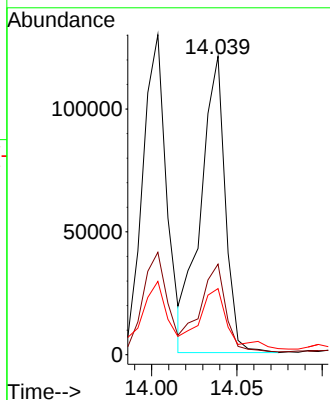
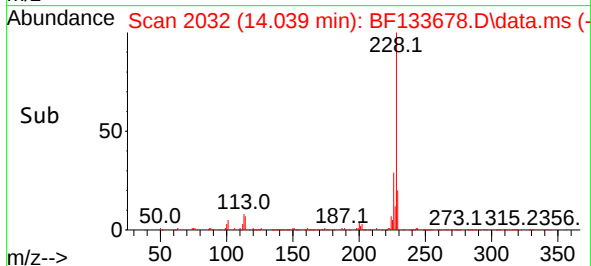


Tgt Ion:228 Resp: 120989
Ion Ratio Lower Upper
228 100
226 30.3 25.0 37.6
229 22.2 15.8 23.8

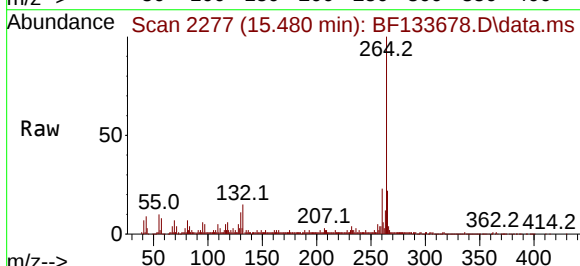
Manual Integrations

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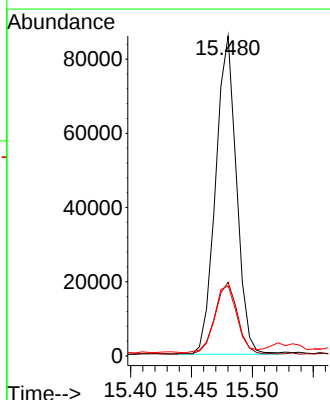
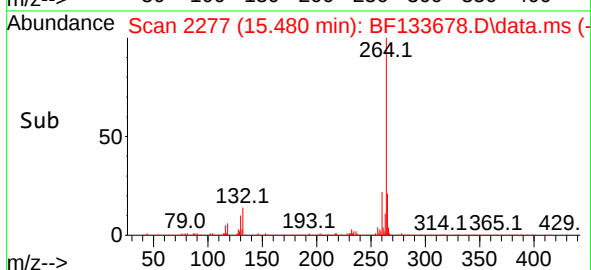
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023

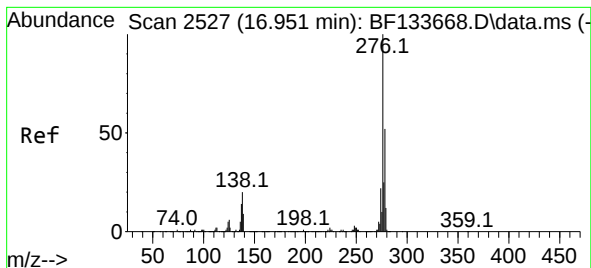


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. -0.000 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18



Tgt Ion:264 Resp: 102268
Ion Ratio Lower Upper
264 100
260 23.0 18.2 27.2
265 22.0 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.666 ng

RT: 16.939 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133678.D

Acq: 09 Jun 2023 16:18

Instrument :

BNA_F

ClientSampleId :

SU-2-060623

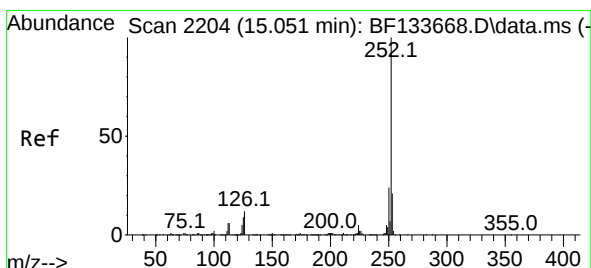
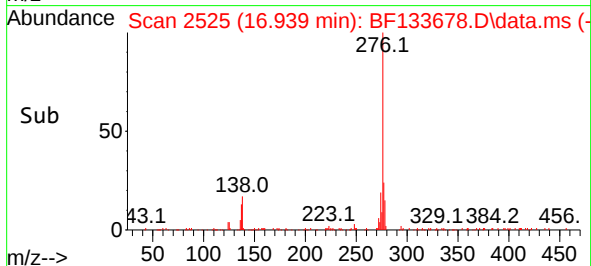
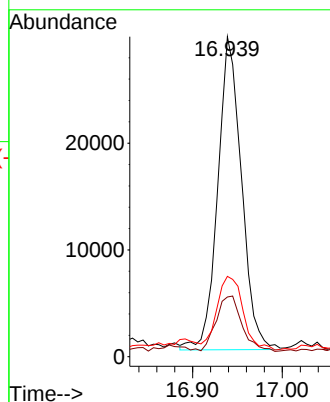
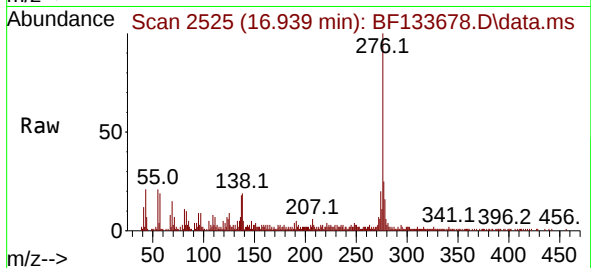
Tgt Ion:	276	Resp:	5393
Ion Ratio	Lower	Upper	
276	100		
138	18.7	17.9	26.9
277	25.1	20.3	30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/13/2023

Supervised By :mohammad ahmed 06/13/2023



#88

Benzo(b)fluoranthene

Concen: 20.702 ng m

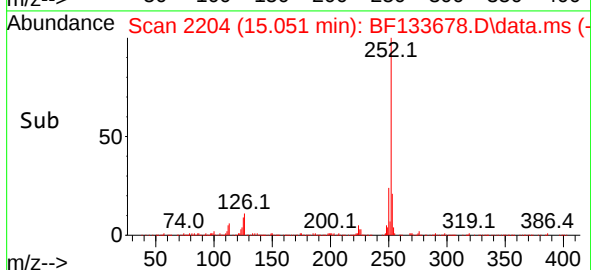
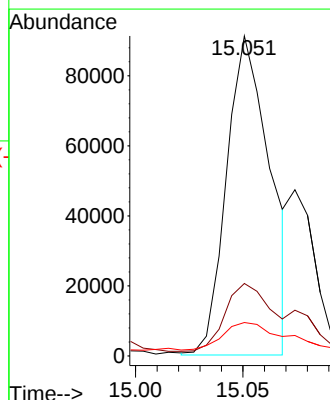
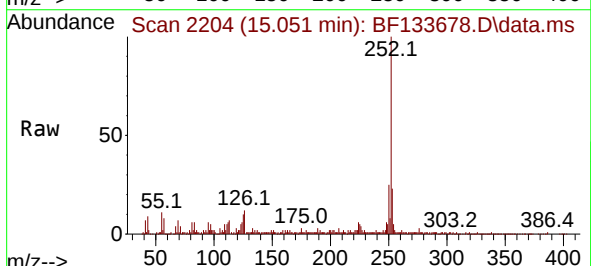
RT: 15.051 min Scan# 2204

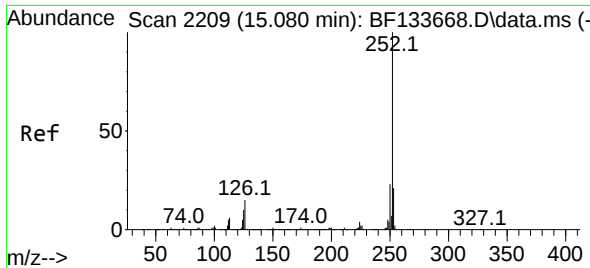
Delta R.T. -0.000 min

Lab File: BF133678.D

Acq: 09 Jun 2023 16:18

Tgt Ion:	252	Resp:	128609
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.0	25.6
125	10.5	7.3	10.9





#89
Benzo(k)fluoranthene
Concen: 6.592 ng m
RT: 15.074 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

Instrument :

BNA_F

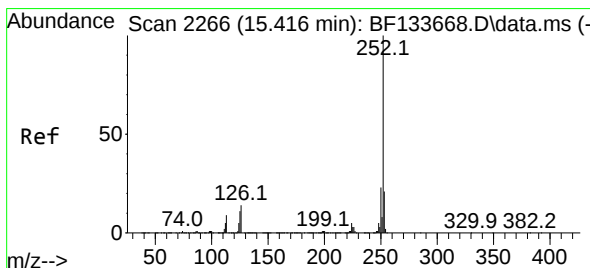
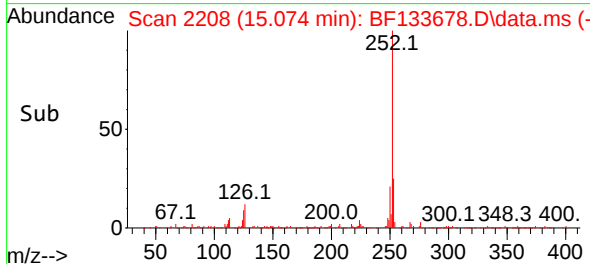
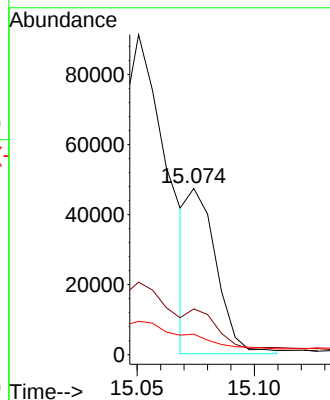
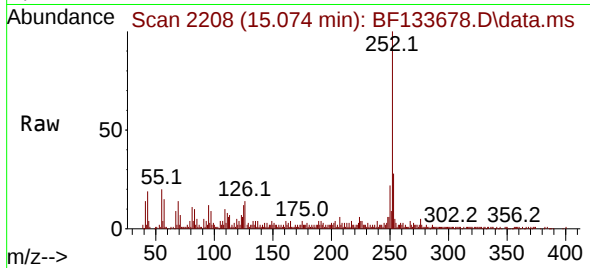
ClientSampleId :

SU-2-060623

Tgt Ion:252 Resp: 3989
Ion Ratio Lower Upper
252 100
253 27.6 17.0 25.4
125 12.3 7.8 11.6

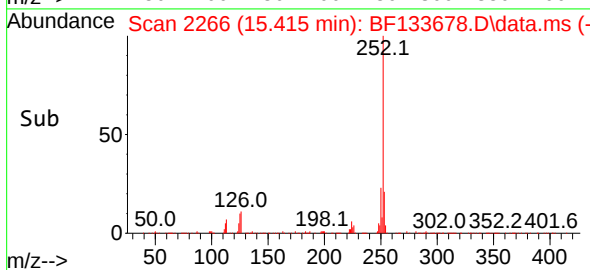
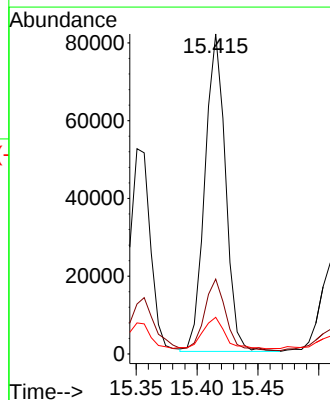
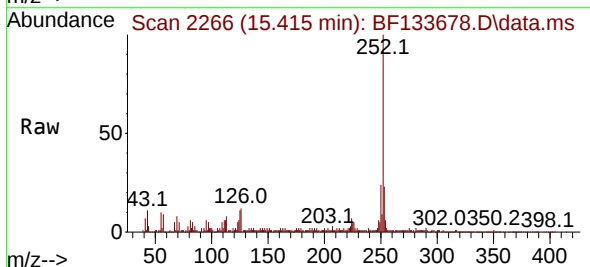
Manual Integrations
APPROVED

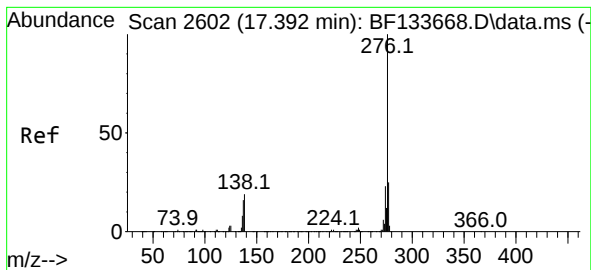
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#90
Benzo(a)pyrene
Concen: 16.674 ng
RT: 15.415 min Scan# 2266
Delta R.T. -0.000 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

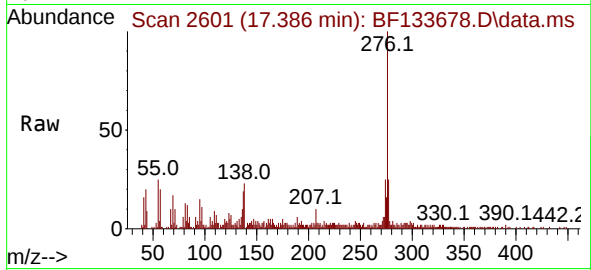
Tgt Ion:252 Resp: 96133
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 11.5 8.6 13.0





#92
Benzo(g,h,i)perylene
Concen: 9.104 ng
RT: 17.386 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

Instrument :
BNA_F
ClientSampleId :
SU-2-060623



Tgt Ion:276 Resp: 5257
Ion Ratio Lower Upper
276 100
277 25.5 19.8 29.8
138 23.0 15.0 22.4

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

