

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
 Data File : BF133591.D
 Acq On : 06 Jun 2023 14:55
 Operator : CG\JU
 Sample : 03009-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/07/2023
 Supervised By :mohammad ahmed 06/08/2023

Quant Time: Jun 06 15:25:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 06 14:05:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.833	152	122822	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	457394	20.000	ng	0.00
39) Acenaphthene-d10	9.874	164	201778	20.000	ng	0.00
64) Phenanthrene-d10	11.368	188	301381	20.000	ng	0.00
76) Chrysene-d12	14.009	240	191687	20.000	ng	0.00
86) Perylene-d12	15.474	264	170701	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	355035	48.229	ng	0.00
7) Phenol-d6	6.457	99	431327	47.598	ng	0.00
23) Nitrobenzene-d5	7.392	82	270620	39.504	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	95917	47.688	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	530546	40.582	ng	0.00
79) Terphenyl-d14	12.957	244	423149	39.249	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.904	154	31593	2.572	ng	98
58) Fluorene	10.421	166	29612	2.212	ng	# 90
71) Phenanthrene	11.392	178	567601	37.184	ng	99
72) Anthracene	11.445	178	128747	8.195	ng	96
73) Carbazole	11.592	167	64696	4.354	ng	# 88
75) Fluoranthene	12.586	202	937019	55.573	ng	98
78) Pyrene	12.815	202	897866	55.044	ng	99
81) Benzo(a)anthracene	13.998	228	444650	34.821	ng	98
83) Chrysene	14.039	228	416130	32.281	ng	97
84) Bis(2-ethylhexyl)phtha...	13.992	149	33291	4.127	ng	96
87) Indeno(1,2,3-cd)pyrene	16.933	276	202642m	18.636	ng	
88) Benzo(b)fluoranthene	15.051	252	523208m	47.070	ng	
89) Benzo(k)fluoranthene	15.074	252	135955m	12.544	ng	
90) Benzo(a)pyrene	15.409	252	332400	32.864	ng	97
91) Dibenzo(a,h)anthracene	16.945	278	50347	5.711	ng	94
92) Benzo(g,h,i)perylene	17.374	276	194348	21.863	ng	98

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

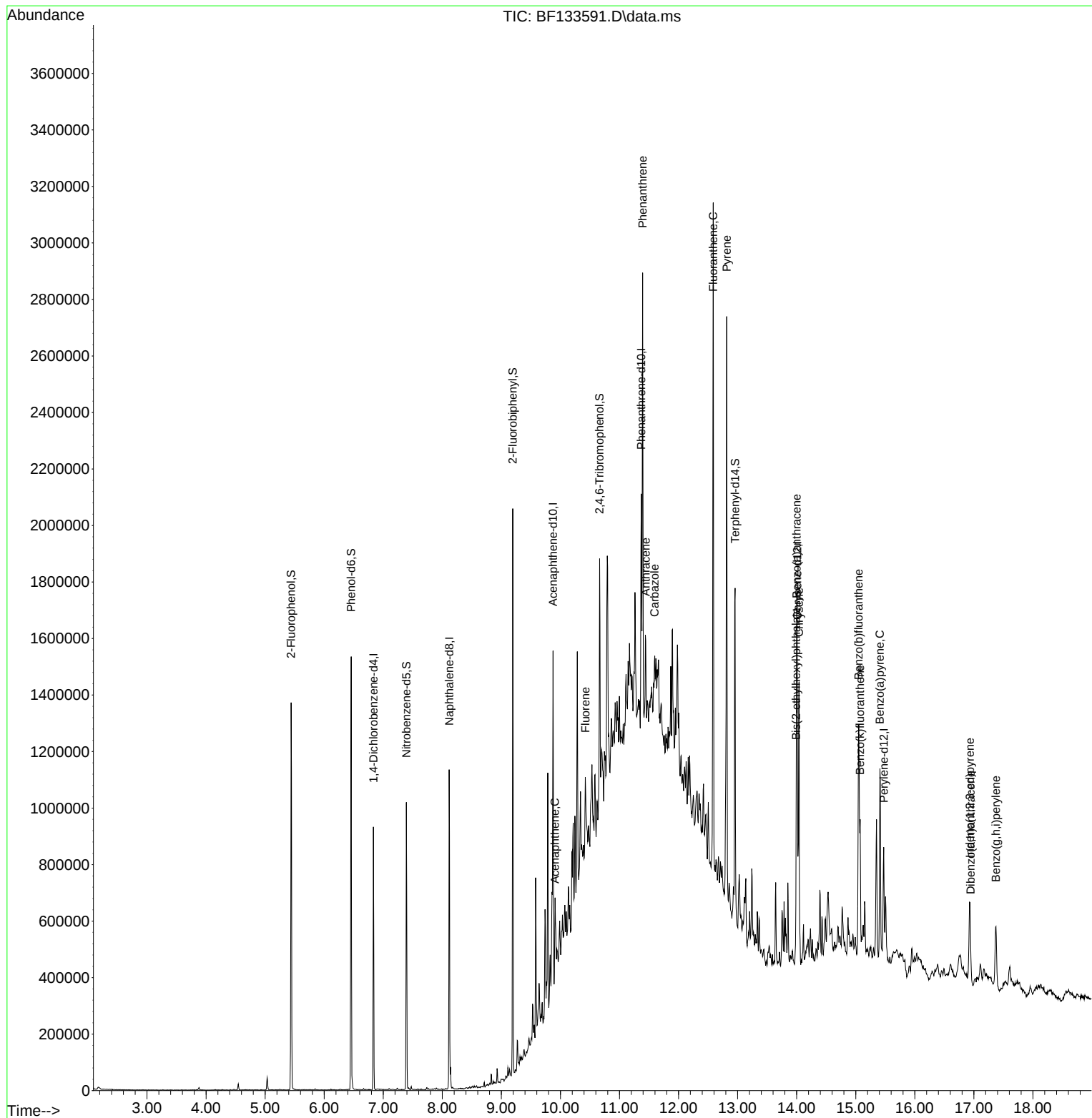
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133591.D
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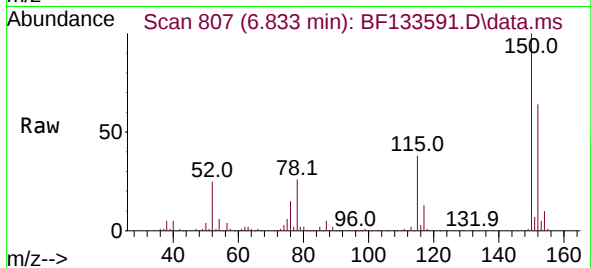
Quant Time: Jun 06 15:25:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 06 14:05:12 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.833 min Scan# 80
Delta R.T. -0.001 min
Lab File: BF133591.D
Acq: 06 Jun 2023 14:55

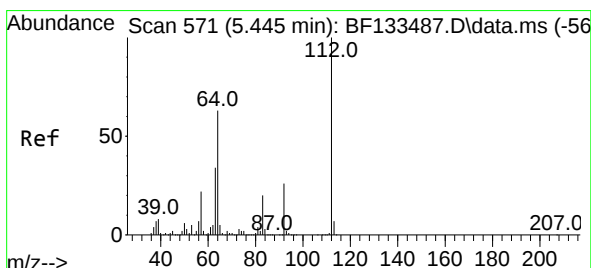
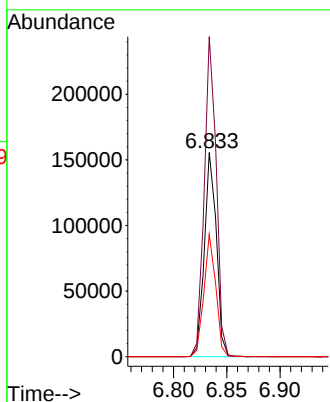
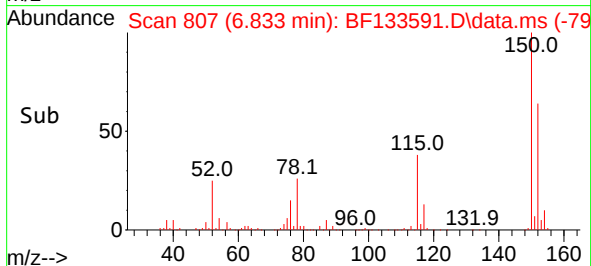
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:152 Resp: 12282
Ion Ratio Lower Upper
152 100
150 156.7 124.9 187.3
115 60.0 48.1 72.1

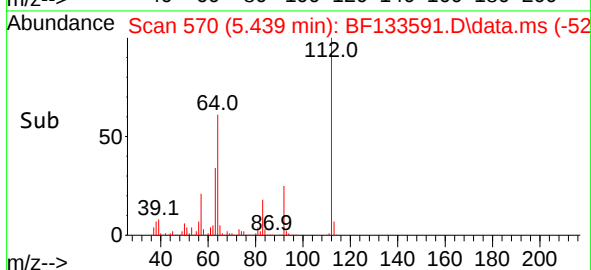
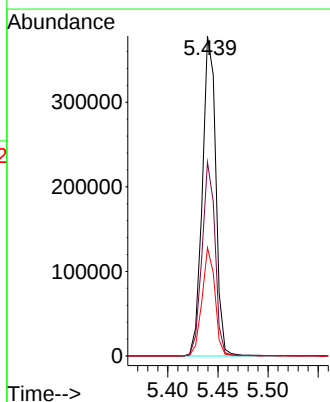
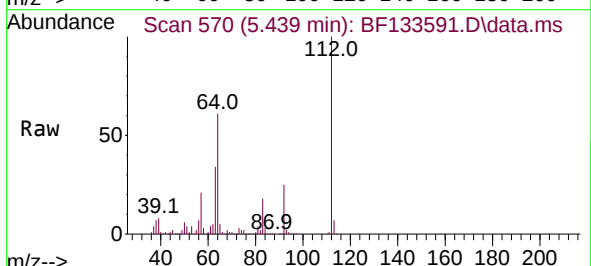
Manual Integrations
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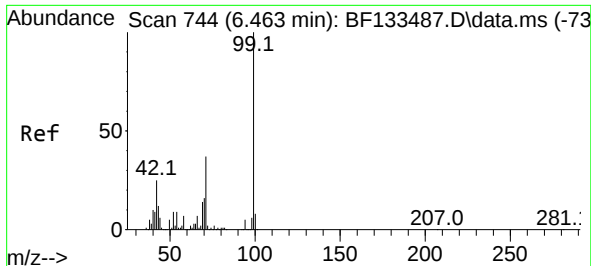
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#5
2-Fluorophenol
Concen: 48.229 ng
RT: 5.439 min Scan# 570
Delta R.T. -0.006 min
Lab File: BF133591.D
Acq: 06 Jun 2023 14:55

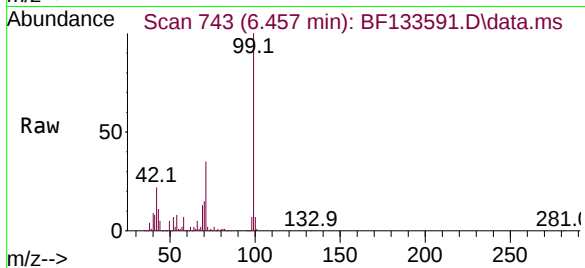
Tgt Ion:112 Resp: 355035
Ion Ratio Lower Upper
112 100
64 60.6 50.1 75.1
63 33.8 27.5 41.3





#7
Phenol-d6
Concen: 47.598 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133591.D
Acq: 06 Jun 2023 14:55

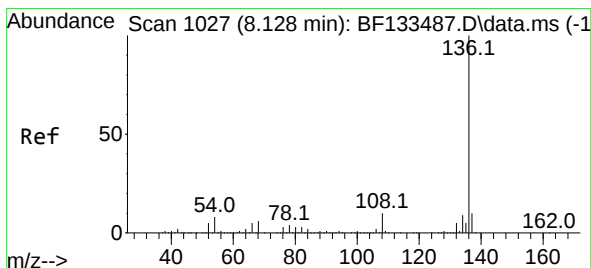
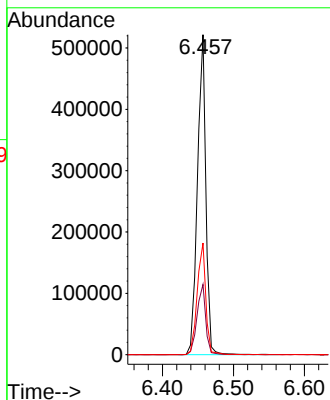
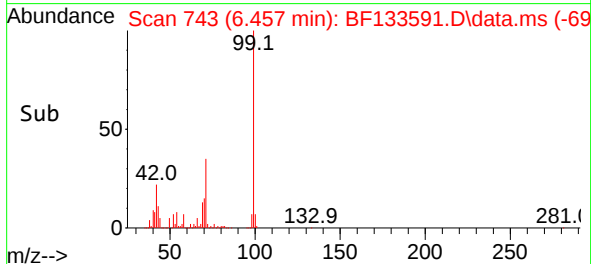
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion: 99 Resp: 43132
Ion Ratio Lower Upper
99 100
42 22.0 19.7 29.5
71 34.9 29.8 44.8

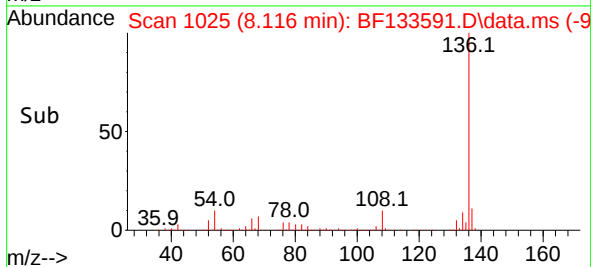
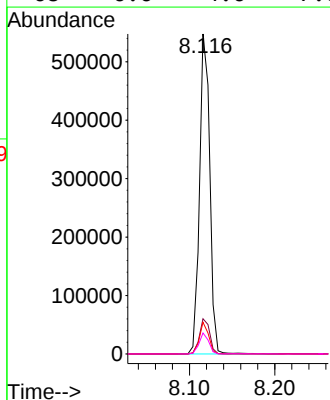
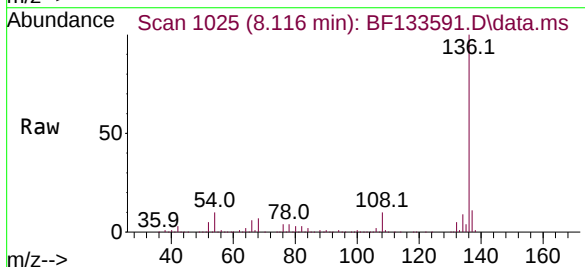
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133591.D
Acq: 06 Jun 2023 14:55

Tgt Ion:136 Resp: 457394
Ion Ratio Lower Upper
136 100
137 11.0 8.2 12.4
54 9.9 6.6 10.0
68 6.6 4.6 7.0





#23

Nitrobenzene-d5

Concen: 39.504 ng

RT: 7.392 min Scan# 905

Delta R.T. -0.012 min

Lab File: BF133591.D

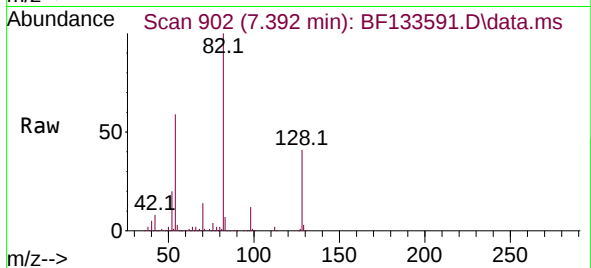
Acq: 06 Jun 2023 14:55

Instrument :

BNA_F

ClientSampleId :

WC-1



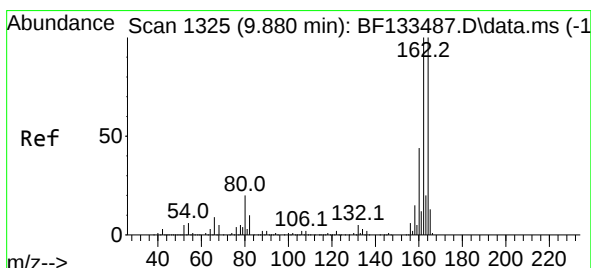
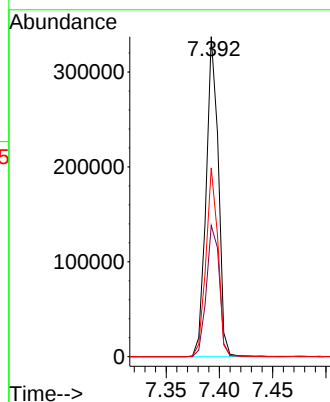
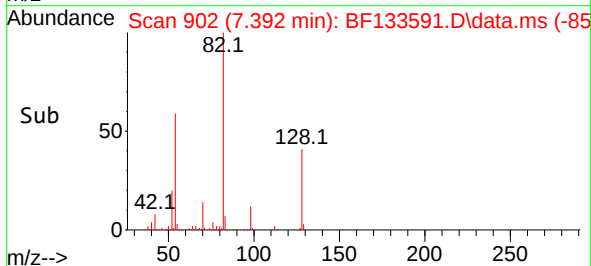
Tgt Ion:	82	Resp:	270620
Ion Ratio	Lower	Upper	
82	100		
128	41.0	34.2	51.4
54	59.0	48.2	72.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

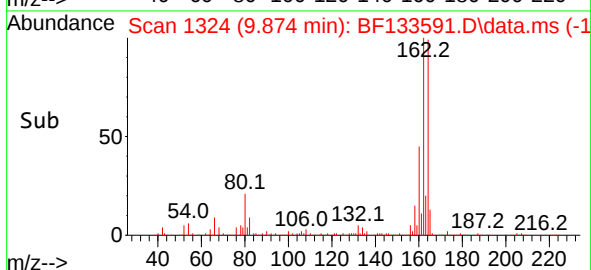
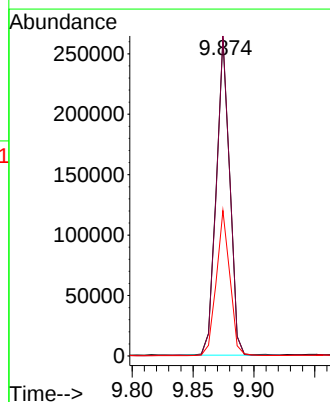
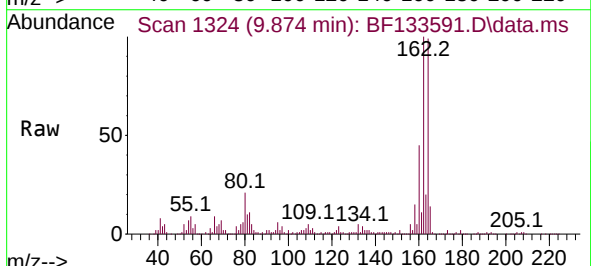
RT: 9.874 min Scan# 1324

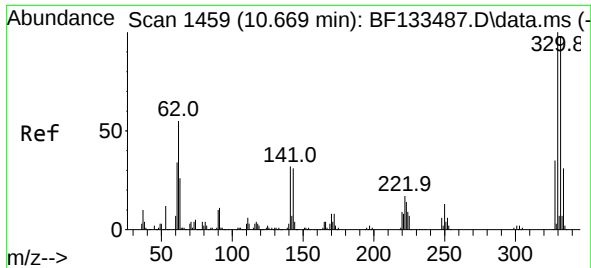
Delta R.T. -0.000 min

Lab File: BF133591.D

Acq: 06 Jun 2023 14:55

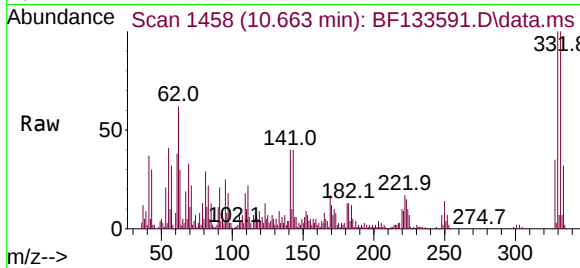
Tgt Ion:	164	Resp:	201778
Ion Ratio	Lower	Upper	
164	100		
162	100.9	79.7	119.5
160	45.8	35.4	53.0





#42
2,4,6-Tribromophenol
Concen: 47.688 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133591.D
Acq: 06 Jun 2023 14:55

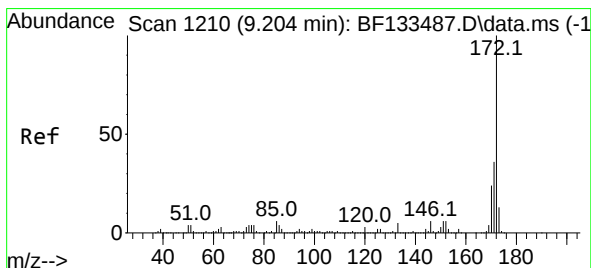
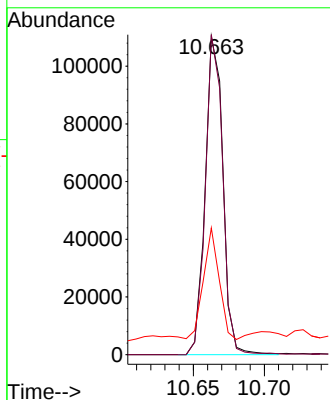
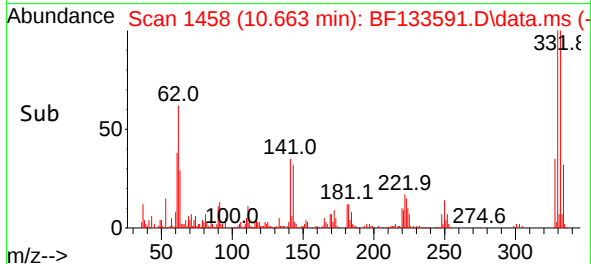
Instrument :
BNA_F
ClientSampleId :
WC-1



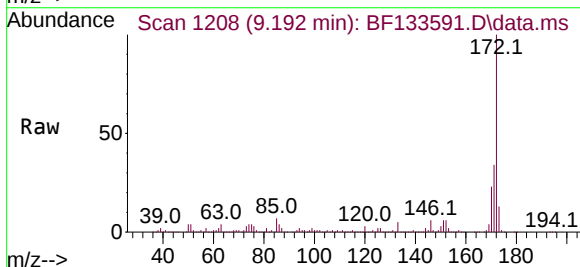
Tgt Ion: 330 Resp: 95917
Ion Ratio Lower Upper
330 100
332 98.2 77.8 116.6
141 30.8 26.6 40.0

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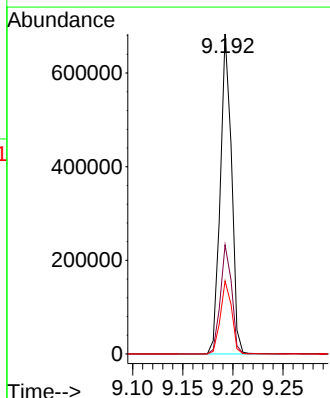
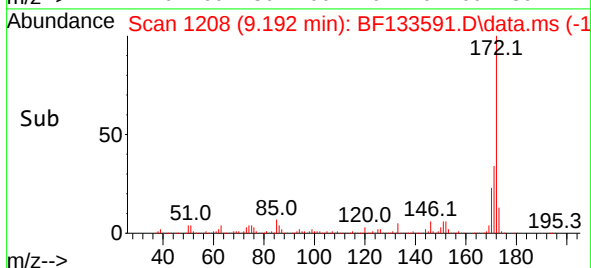
Reviewed By : Yogesh Patel 06/07/2023
Supervised By : mohammad ahmed 06/08/2023

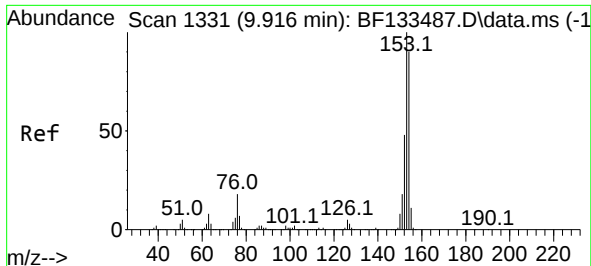


#45
2-Fluorobiphenyl
Concen: 40.582 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133591.D
Acq: 06 Jun 2023 14:55



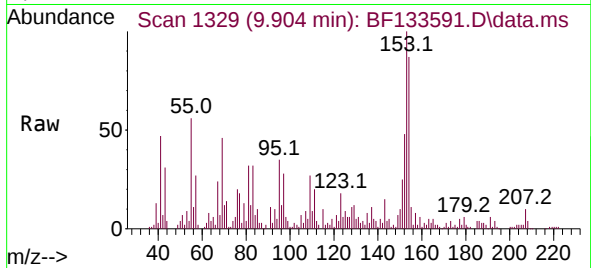
Tgt Ion: 172 Resp: 530546
Ion Ratio Lower Upper
172 100
171 34.1 28.4 42.6
170 22.8 19.3 28.9





#52
Acenaphthene
Concen: 2.572 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133591.D
Acq: 06 Jun 2023 14:55

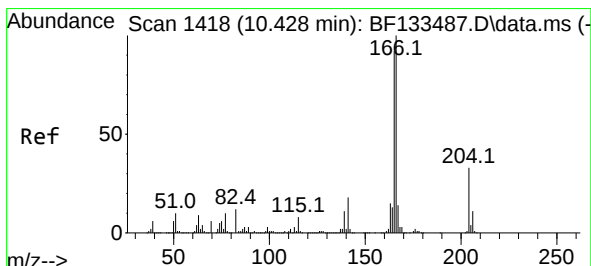
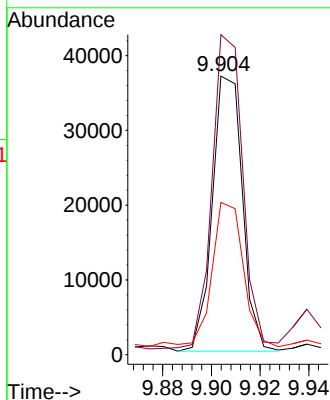
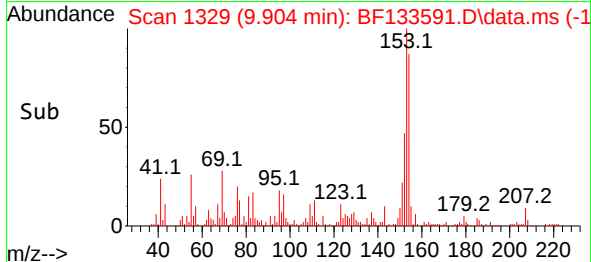
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:154 Resp: 3159
Ion Ratio Lower Upper
154 100
153 114.9 89.2 133.8
152 54.7 43.1 64.7

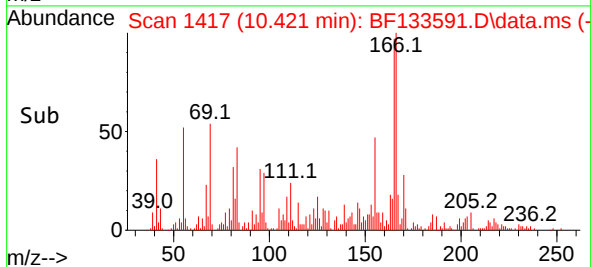
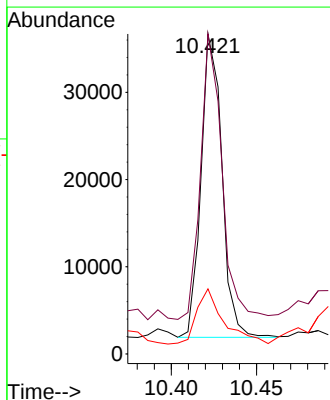
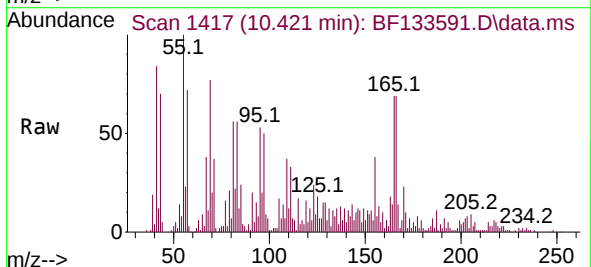
Manual Integrations
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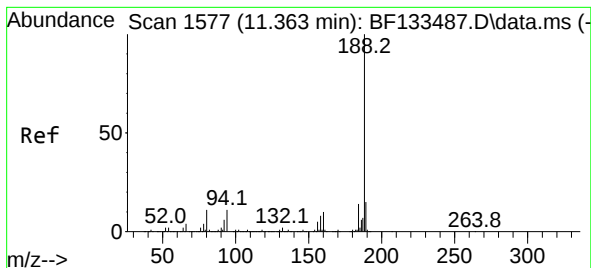
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#58
Fluorene
Concen: 2.212 ng
RT: 10.421 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF133591.D
Acq: 06 Jun 2023 14:55

Tgt Ion:166 Resp: 29612
Ion Ratio Lower Upper
166 100
165 100.0 73.4 110.0
167 20.3 10.9 16.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.368 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF133591.D

Acq: 06 Jun 2023 14:55

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:188 Resp: 30138

Ion Ratio Lower Upper

188 100

94 9.7 8.6 12.8

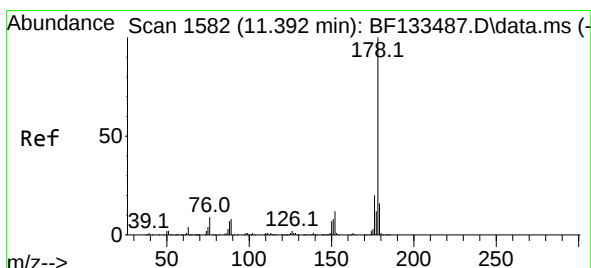
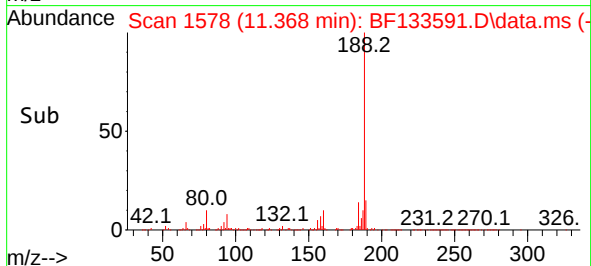
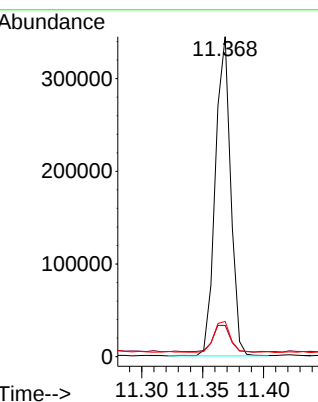
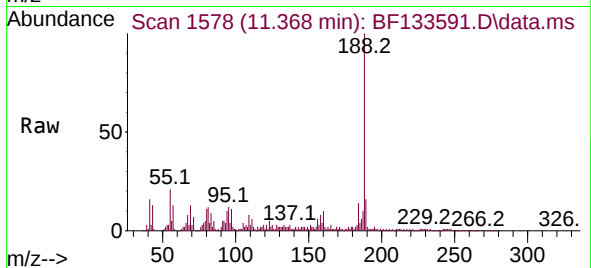
80 11.0 9.2 13.8

Manual Integrations

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Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#71

Phenanthrene

Concen: 37.184 ng

RT: 11.392 min Scan# 1582

Delta R.T. -0.000 min

Lab File: BF133591.D

Acq: 06 Jun 2023 14:55

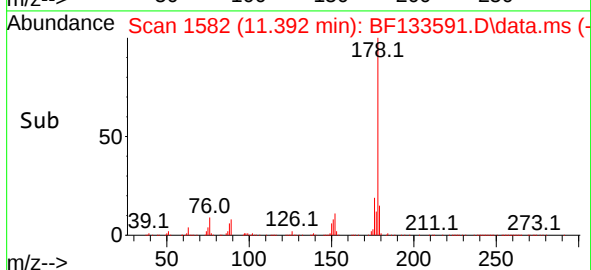
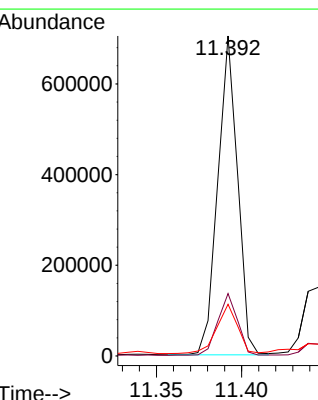
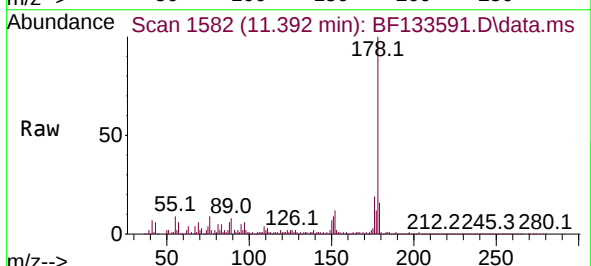
Tgt Ion:178 Resp: 567601

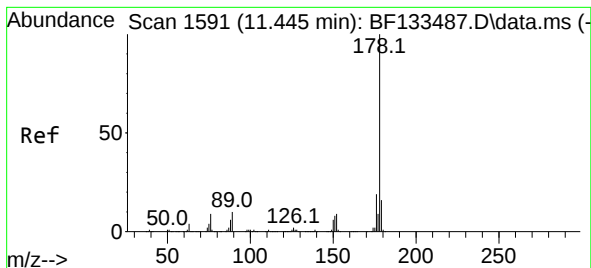
Ion Ratio Lower Upper

178 100

176 19.5 15.6 23.4

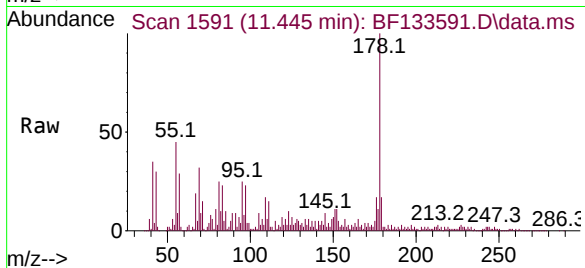
179 16.1 12.4 18.6





#72
 Anthracene
 Concen: 8.195 ng
 RT: 11.445 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF133591.D
 Acq: 06 Jun 2023 14:55

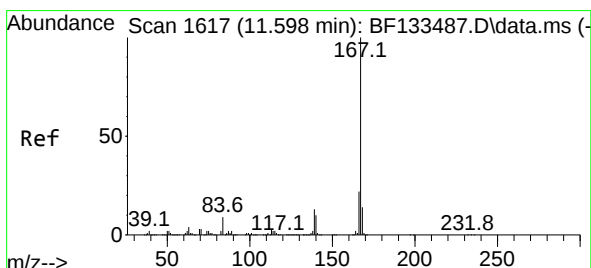
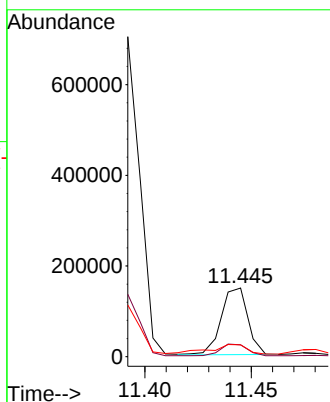
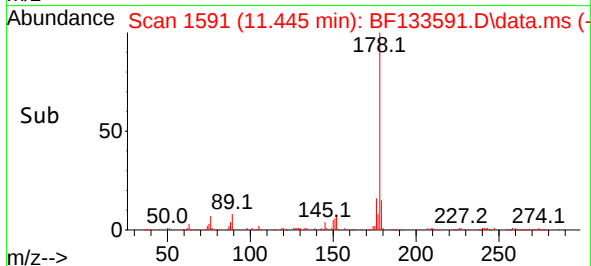
Instrument :
 BNA_F
 ClientSampleId :
 WC-1



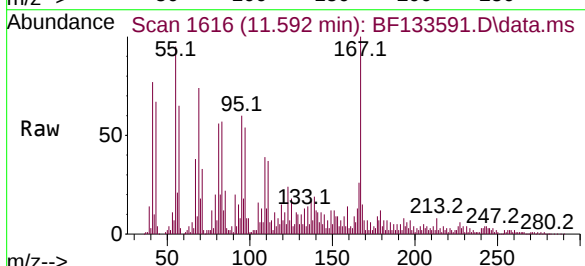
Tgt Ion:178 Resp: 12874
 Ion Ratio Lower Upper
 178 100
 176 17.3 15.3 22.9
 179 17.3 12.6 18.8

Manual Integrations
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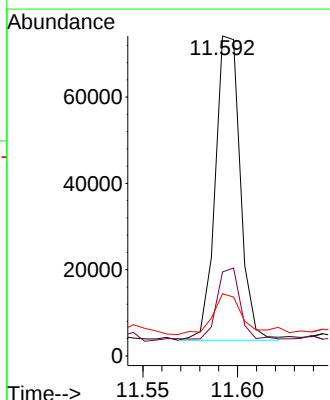
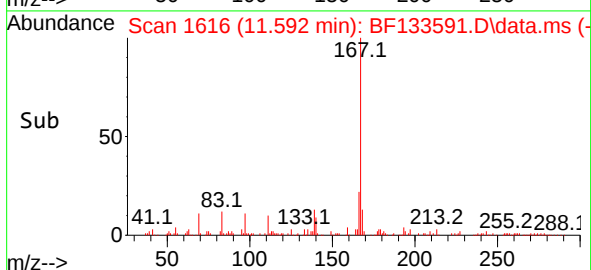
Reviewed By :Yogesh Patel 06/07/2023
 Supervised By :mohammad ahmed 06/08/2023

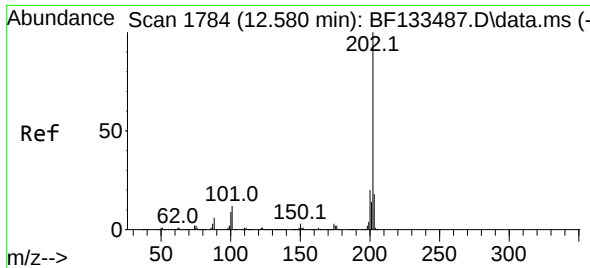


#73
 Carbazole
 Concen: 4.354 ng
 RT: 11.592 min Scan# 1616
 Delta R.T. -0.006 min
 Lab File: BF133591.D
 Acq: 06 Jun 2023 14:55



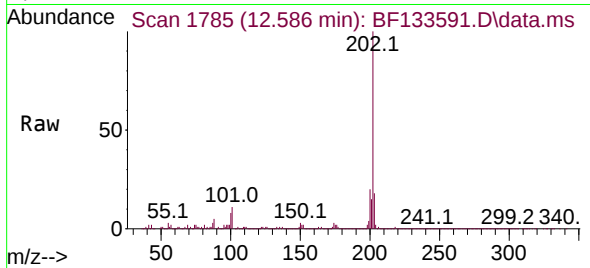
Tgt Ion:167 Resp: 64696
 Ion Ratio Lower Upper
 167 100
 166 26.2 17.3 25.9#
 139 19.4 10.7 16.1#





#75
Fluoranthene
Concen: 55.573 ng
RT: 12.586 min Scan# 1784
Delta R.T. 0.006 min
Lab File: BF133591.D
Acq: 06 Jun 2023 14:55

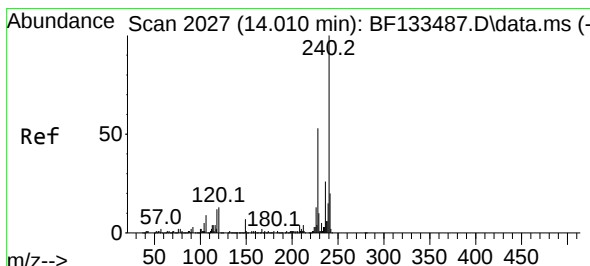
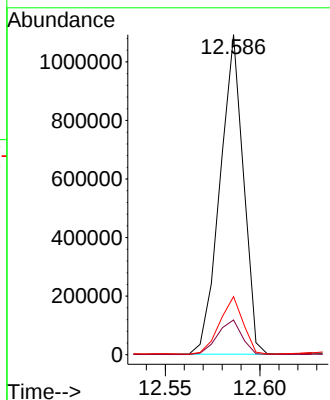
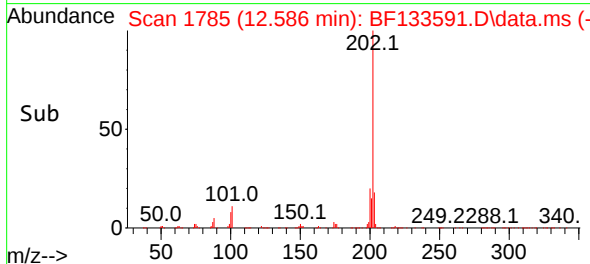
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:202 Resp: 937019
Ion Ratio Lower Upper
202 100
101 10.9 0.0 32.2
203 18.1 0.0 37.8

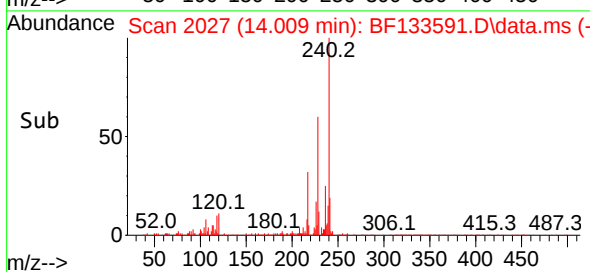
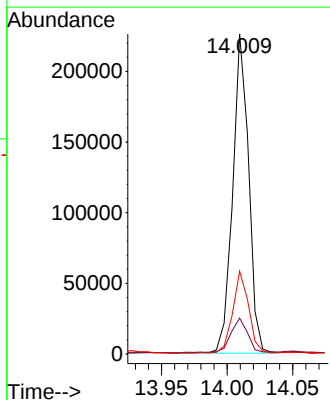
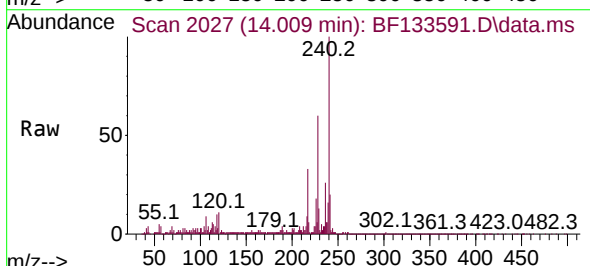
Manual Integrations
APPROVED

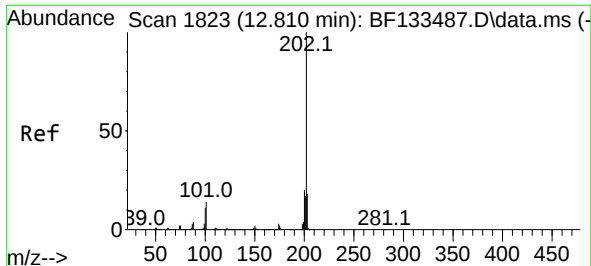
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.009 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF133591.D
Acq: 06 Jun 2023 14:55

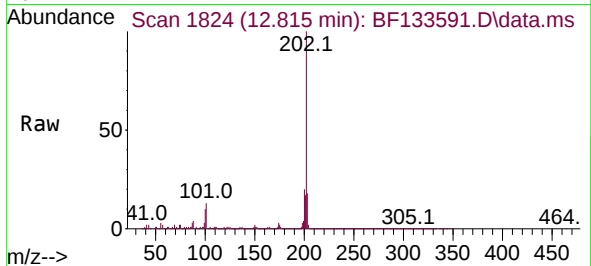
Tgt Ion:240 Resp: 191687
Ion Ratio Lower Upper
240 100
120 11.2 10.3 15.5
236 25.8 20.5 30.7





#78
 Pyrene
 Concen: 55.044 ng
 RT: 12.815 min Scan# 1823
 Delta R.T. 0.006 min
 Lab File: BF133591.D
 Acq: 06 Jun 2023 14:55

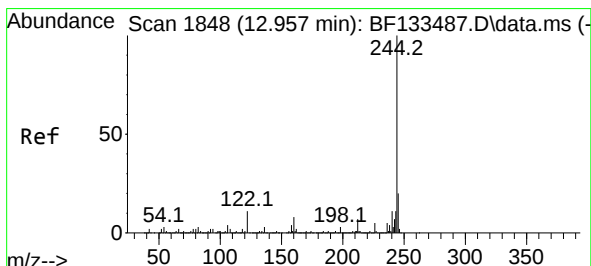
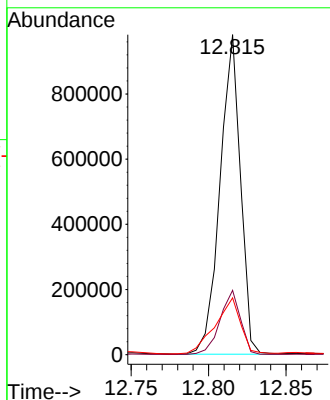
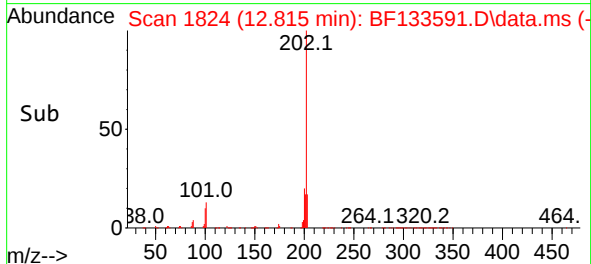
Instrument :
 BNA_F
 ClientSampleId :
 WC-1



Tgt Ion:202 Resp: 897860
 Ion Ratio Lower Upper
 202 100
 200 20.1 16.3 24.5
 203 17.7 14.3 21.5

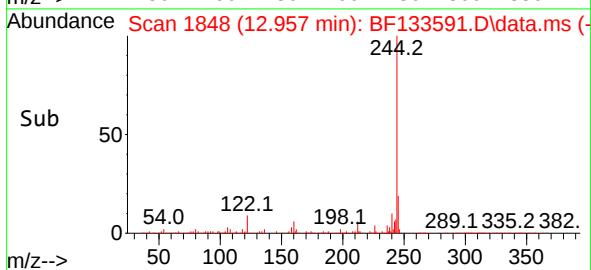
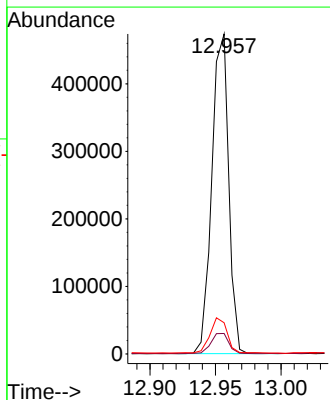
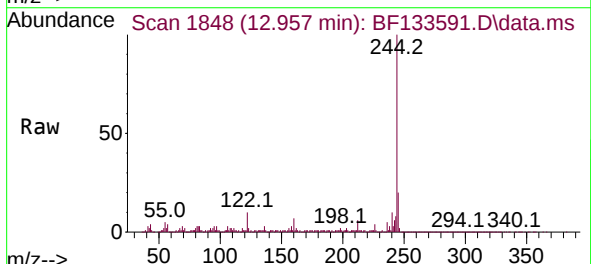
Manual Integrations
 APPROVED

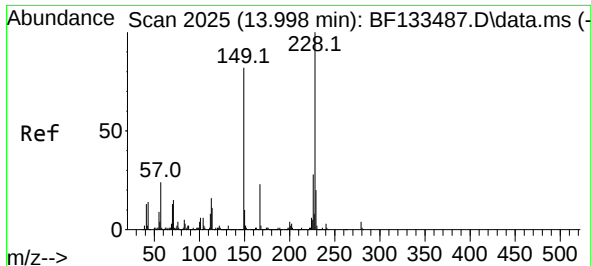
Reviewed By :Yogesh Patel 06/07/2023
 Supervised By :mohammad ahmed 06/08/2023



#79
 Terphenyl-d14
 Concen: 39.249 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. -0.000 min
 Lab File: BF133591.D
 Acq: 06 Jun 2023 14:55

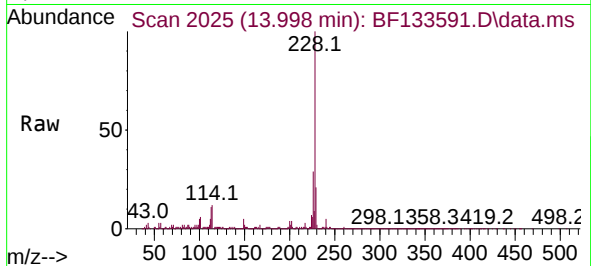
Tgt Ion:244 Resp: 423149
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.8 8.6
 122 9.7 8.5 12.7





#81
Benzo(a)anthracene
Concen: 34.821 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF133591.D
Acq: 06 Jun 2023 14:55

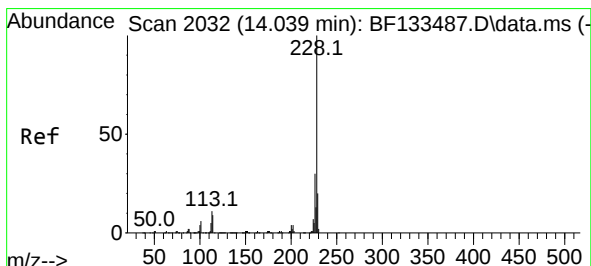
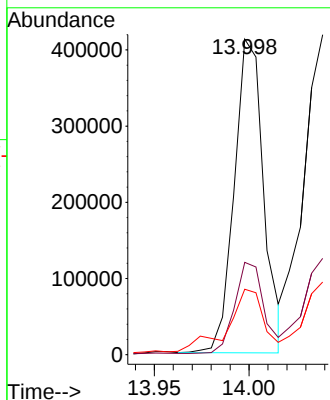
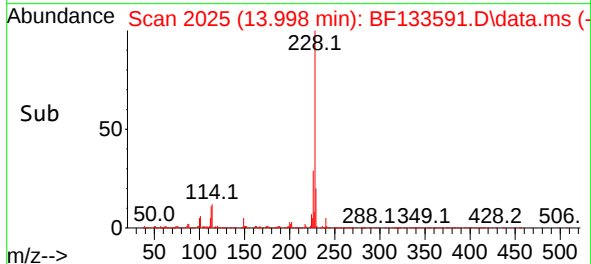
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:228 Resp: 444650
Ion Ratio Lower Upper
228 100
226 29.3 22.3 33.5
229 20.8 16.1 24.1

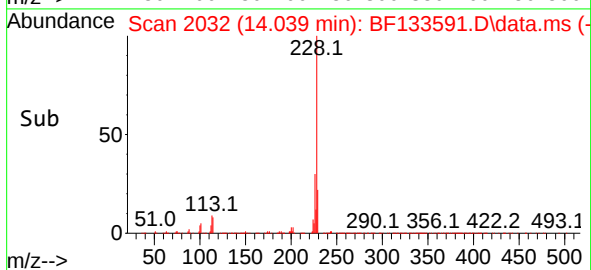
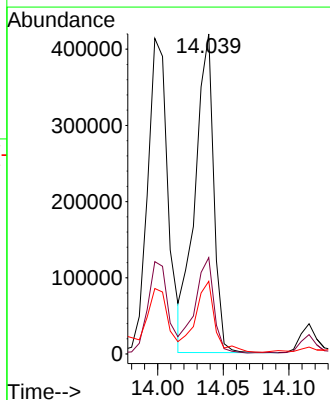
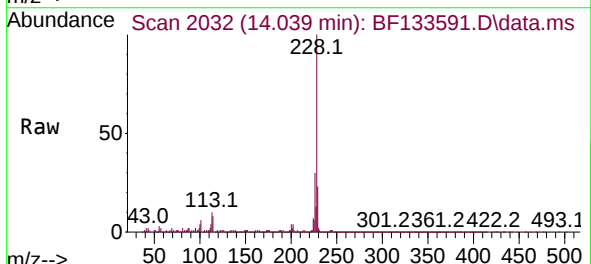
Manual Integrations
APPROVED

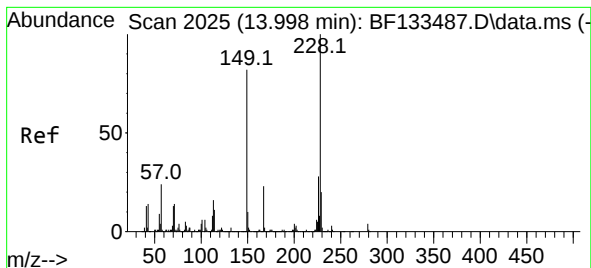
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#83
Chrysene
Concen: 32.281 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF133591.D
Acq: 06 Jun 2023 14:55

Tgt Ion:228 Resp: 416130
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 22.7 15.8 23.8





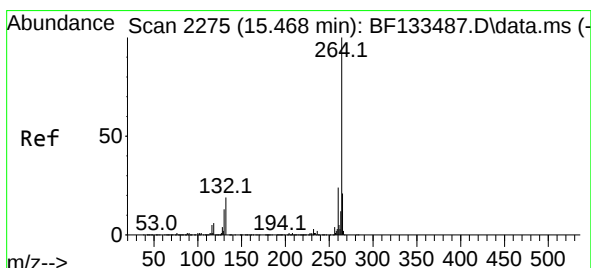
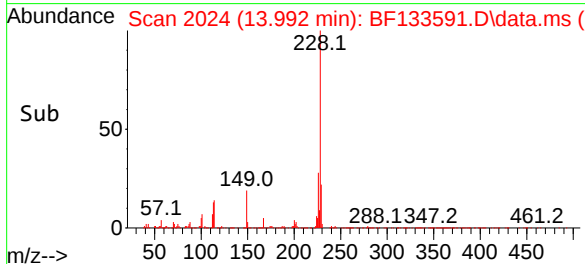
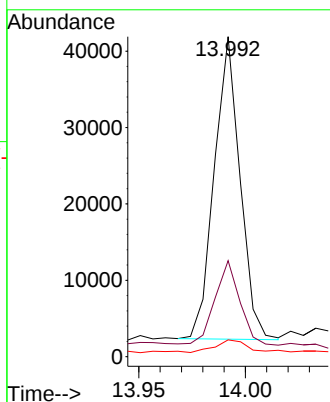
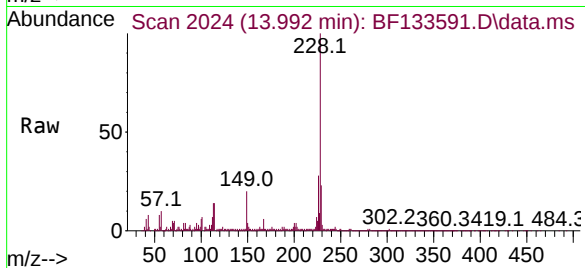
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.127 ng
RT: 13.992 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF133591.D
Acq: 06 Jun 2023 14:55

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:149 Resp: 3329
Ion Ratio Lower Upper
149 100
167 30.0 22.0 33.0
279 5.3 3.6 5.4

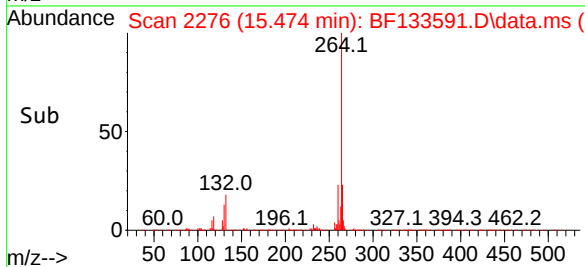
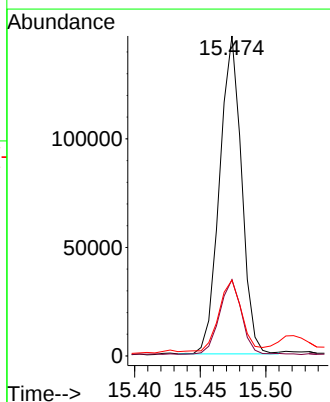
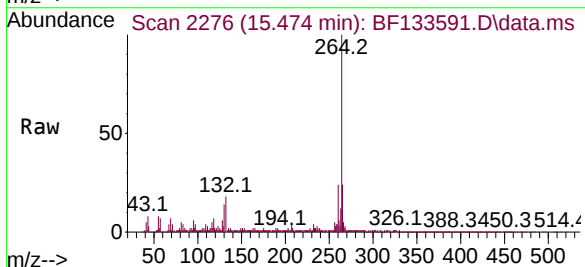
Manual Integrations
APPROVED

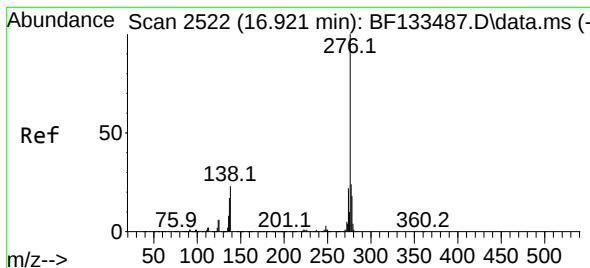
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF133591.D
Acq: 06 Jun 2023 14:55

Tgt Ion:264 Resp: 170701
Ion Ratio Lower Upper
264 100
260 23.8 19.0 28.4
265 23.7 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 18.636 ng m

RT: 16.933 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133591.D

Acq: 06 Jun 2023 14:55

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:276 Resp: 20264

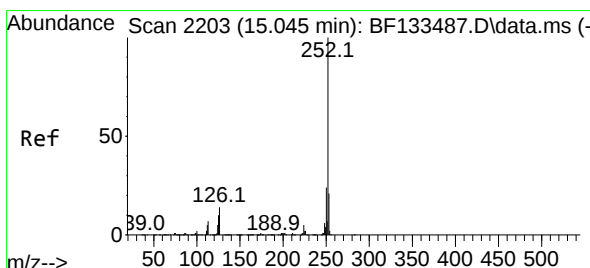
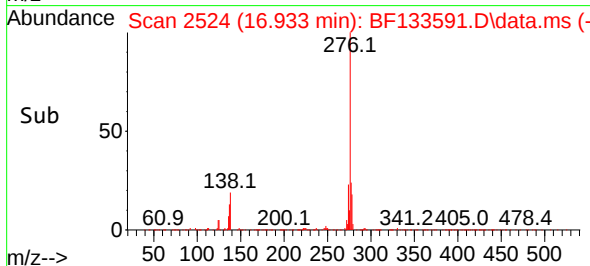
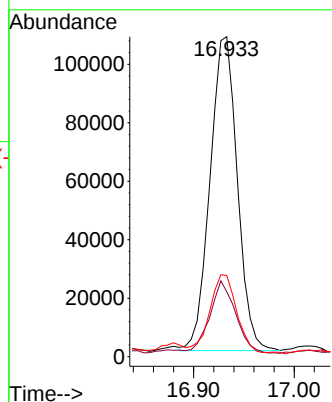
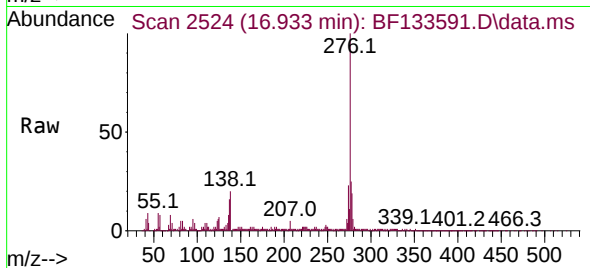
Ion	Ratio	Lower	Upper
276	100		
138	5.5	21.4	32.2
277	5.3	20.0	30.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#88

Benzo(b)fluoranthene

Concen: 47.070 ng m

RT: 15.051 min Scan# 2204

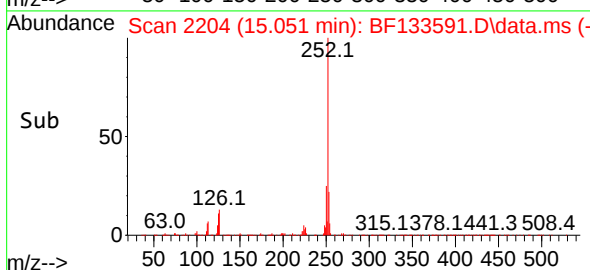
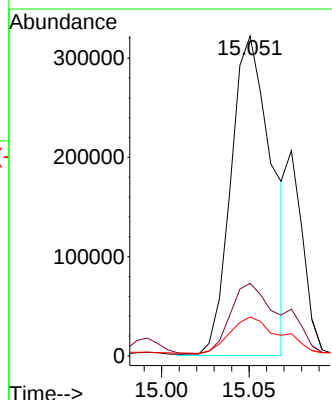
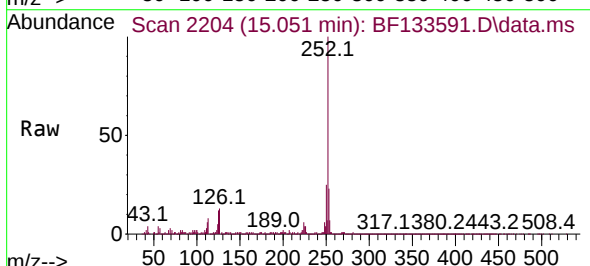
Delta R.T. 0.006 min

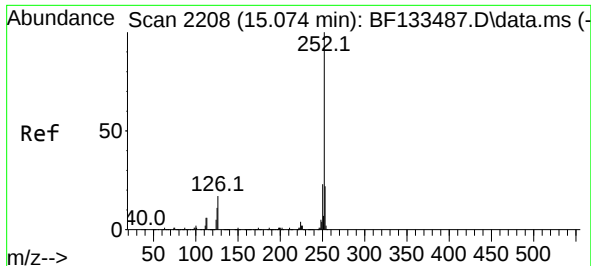
Lab File: BF133591.D

Acq: 06 Jun 2023 14:55

Tgt Ion:252 Resp: 523208

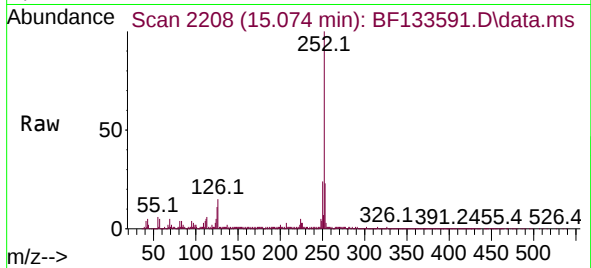
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	12.2	8.1	12.1





#89
Benzo(k)fluoranthene
Concen: 12.544 ng m
RT: 15.074 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF133591.D
Acq: 06 Jun 2023 14:55

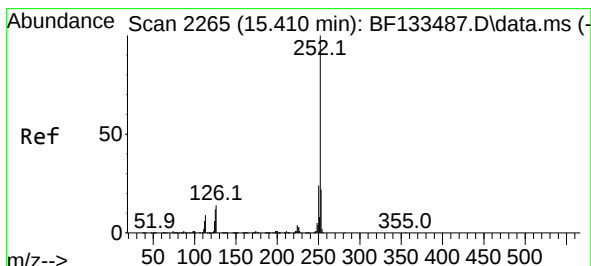
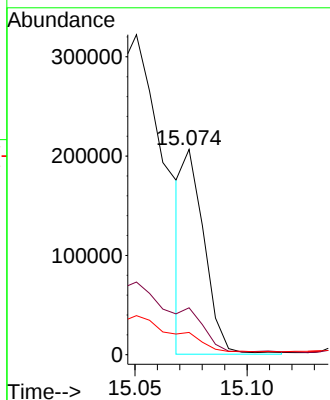
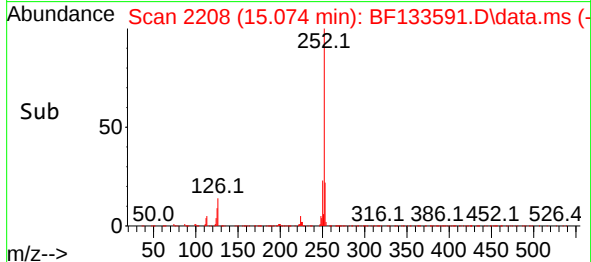
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:252 Resp: 13595
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 10.9 8.3 12.5

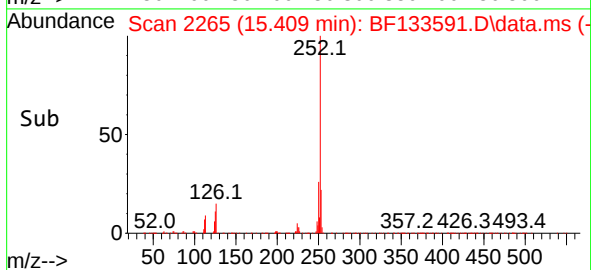
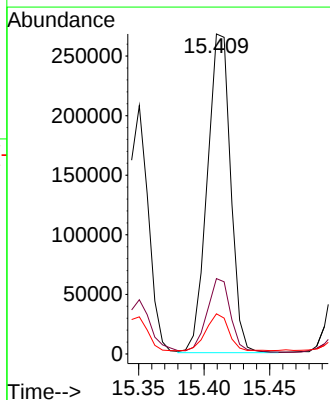
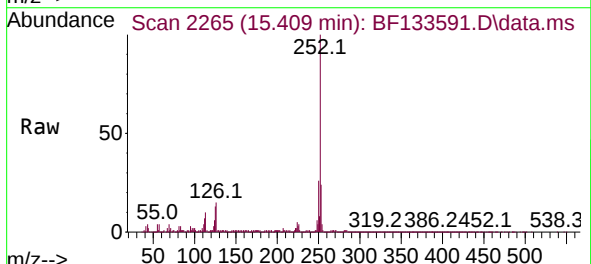
Manual Integrations
APPROVED

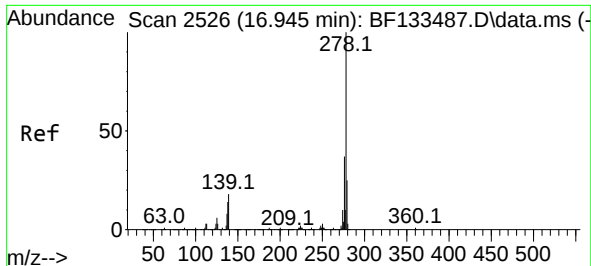
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#90
Benzo(a)pyrene
Concen: 32.864 ng
RT: 15.409 min Scan# 2265
Delta R.T. -0.000 min
Lab File: BF133591.D
Acq: 06 Jun 2023 14:55

Tgt Ion:252 Resp: 332400
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 12.6 9.4 14.0





#91

Dibenzo(a,h)anthracene

Concen: 5.711 ng

RT: 16.945 min Scan# 2526

Delta R.T. -0.006 min

Lab File: BF133591.D

Acq: 06 Jun 2023 14:55

Instrument :

BNF

ClientSampleId :

WC-1

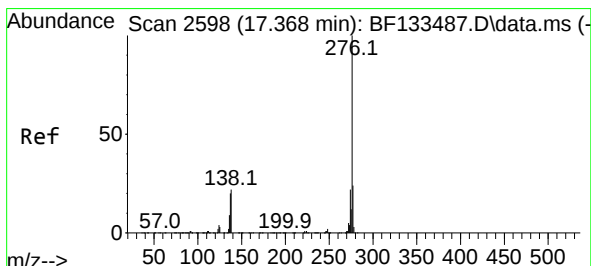
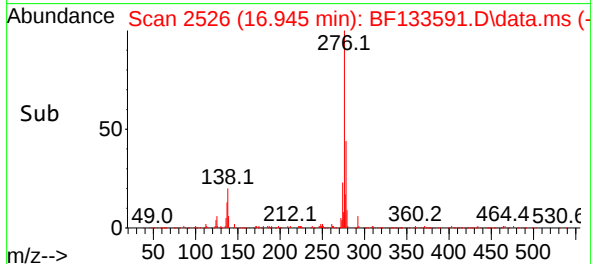
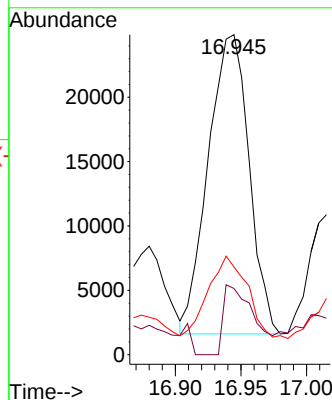
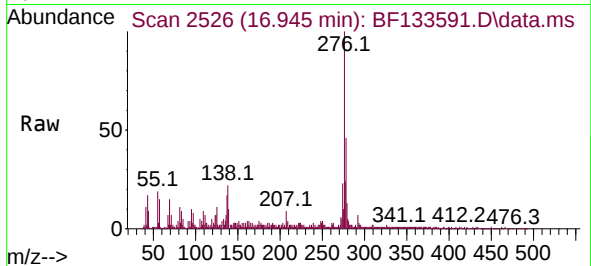
Tgt Ion:	278	Resp:	5034
Ion Ratio	Lower	Upper	
278	100		
139	20.7	14.1	21.1
279	27.5	19.7	29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#92

Benzo(g,h,i)perylene

Concen: 21.863 ng

RT: 17.374 min Scan# 2599

Delta R.T. -0.000 min

Lab File: BF133591.D

Acq: 06 Jun 2023 14:55

Tgt Ion:	276	Resp:	194348
Ion Ratio	Lower	Upper	
276	100		
277	22.8	18.8	28.2
138	21.3	17.8	26.6

