

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
 Data File : BF133589.D
 Acq On : 06 Jun 2023 13:51
 Operator : CG\JU
 Sample : 03004-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-060123

Manual Integrations
 APPROVED

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

Quant Time: Jun 06 14:54:31 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	6.834	152	123766	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	463214	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	200114	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	330750	20.000	ng	0.00
76) Chrysene-d12	14.010	240	184569	20.000	ng	0.00
86) Perylene-d12	15.474	264	151187	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	684780	92.314	ng	0.00
7) Phenol-d6	6.457	99	812957	89.027	ng	0.00
23) Nitrobenzene-d5	7.392	82	522075	75.253	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	181901	91.189	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	907030	69.957	ng	0.00
79) Terphenyl-d14	12.957	244	777883	74.935	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.733	152	74978	3.729	ng	99
71) Phenanthrene	11.386	178	276436	16.501	ng	99
72) Anthracene	11.433	178	84870	4.923	ng	98
73) Carbazole	11.586	167	33581	2.060	ng	# 96
75) Fluoranthene	12.580	202	676087	36.537	ng	99
78) Pyrene	12.810	202	642118	40.884	ng	100
81) Benzo(a)anthracene	13.998	228	272290	22.146	ng	94
83) Chrysene	14.033	228	257604	20.754	ng	97
84) Bis(2-ethylhexyl)phtha...	13.992	149	41873	5.391	ng	98
87) Indeno(1,2,3-cd)pyrene	16.933	276	140971m	14.638	ng	
88) Benzo(b)fluoranthene	15.045	252	302674m	30.744	ng	
89) Benzo(k)fluoranthene	15.074	252	108600m	11.313	ng	
90) Benzo(a)pyrene	15.410	252	204296	22.805	ng	95
91) Dibenzo(a,h)anthracene	16.939	278	34763	4.452	ng	# 77
92) Benzo(g,h,i)perylene	17.374	276	145658	18.501	ng	98

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

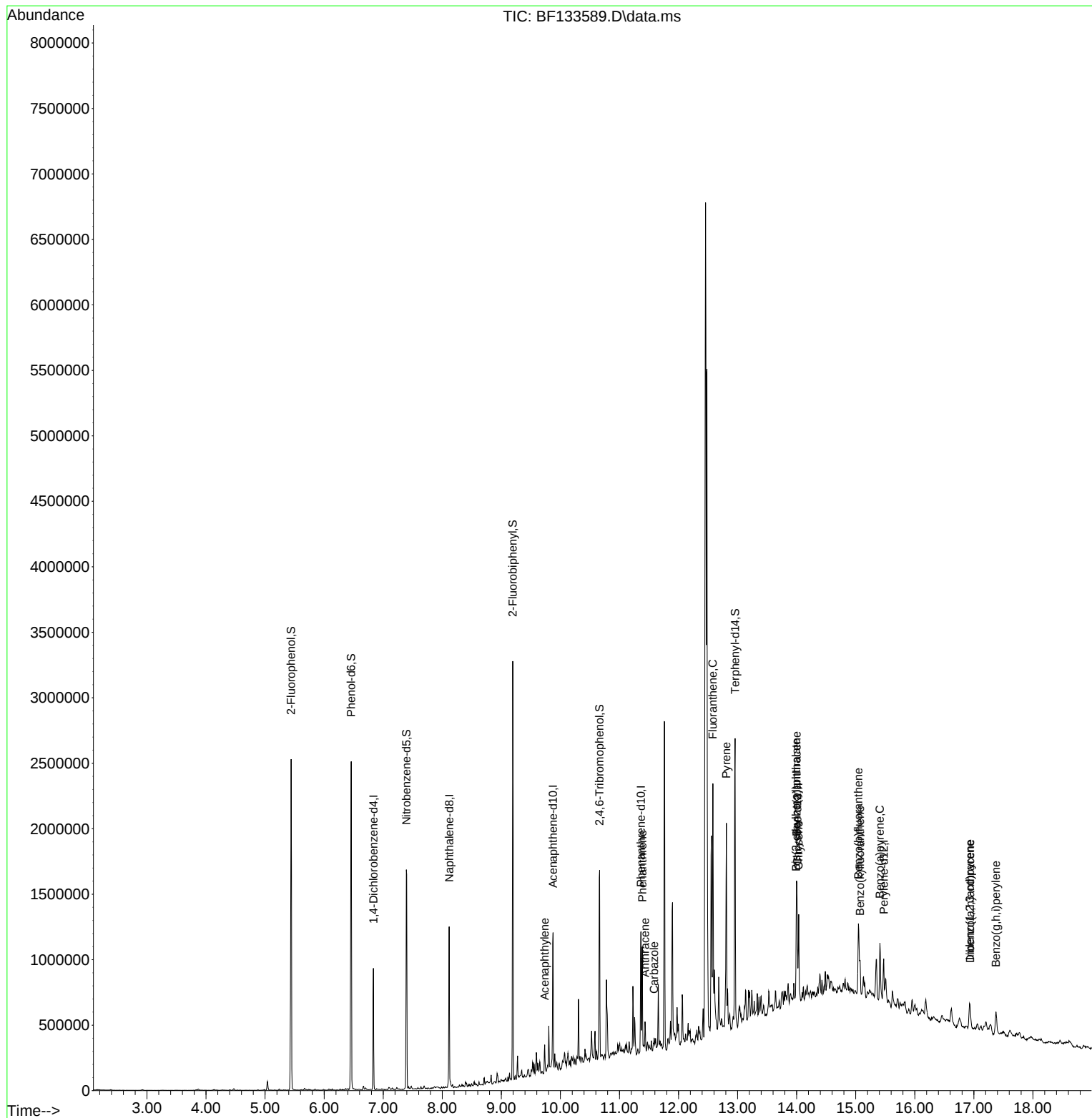
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133589.D
Acq On : 06 Jun 2023 13:51
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Sample : 03004-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

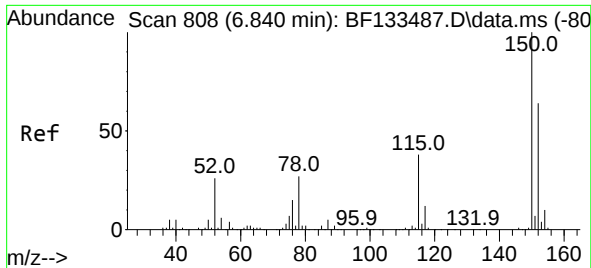
Instrument :
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TR-04-060123

Quant Time: Jun 06 14:54:31 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
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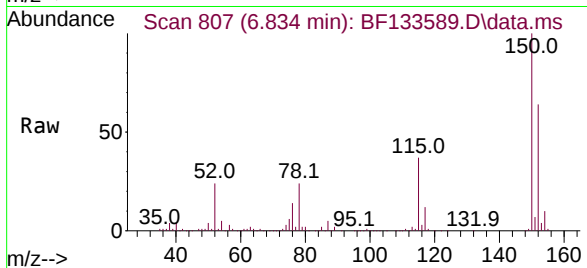
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133589.D
Acq: 06 Jun 2023 13:51

Instrument :

BNA_F

ClientSampleId :

TR-04-060123

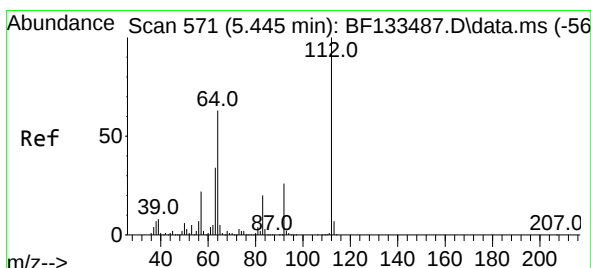
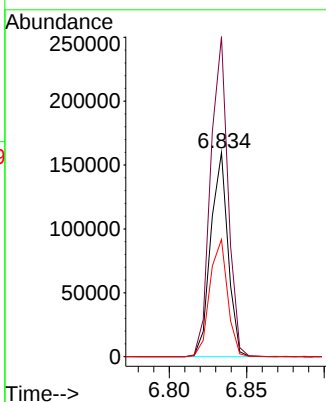
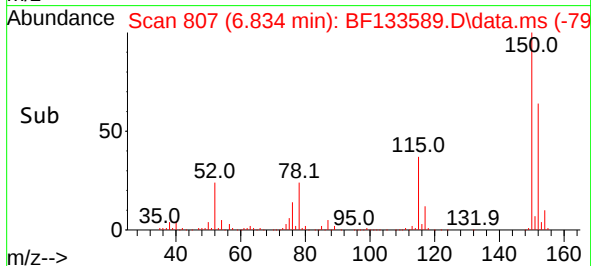


Tgt Ion:152 Resp: 123760
Ion Ratio Lower Upper
152 100
150 156.7 124.9 187.3
115 57.4 48.1 72.1

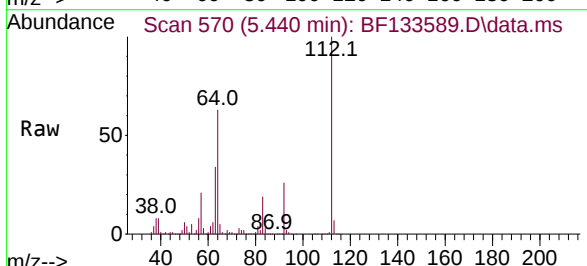
Manual Integrations

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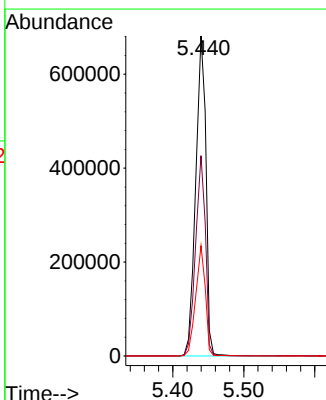
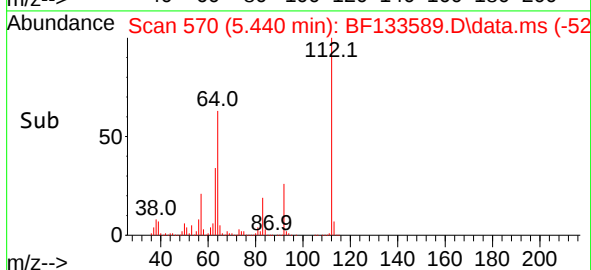
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023

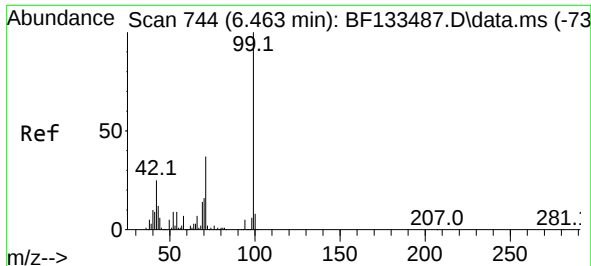


#5
2-Fluorophenol
Concen: 92.314 ng
RT: 5.440 min Scan# 570
Delta R.T. -0.006 min
Lab File: BF133589.D
Acq: 06 Jun 2023 13:51



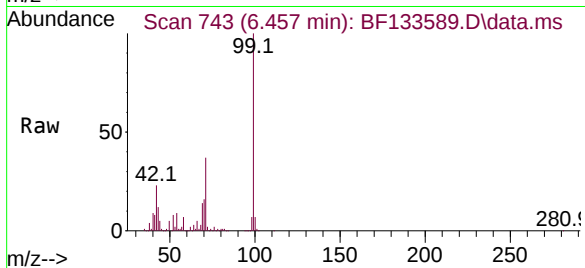
Tgt Ion:112 Resp: 684780
Ion Ratio Lower Upper
112 100
64 62.6 50.1 75.1
63 34.5 27.5 41.3





#7
Phenol-d6
Concen: 89.027 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133589.D
Acq: 06 Jun 2023 13:51

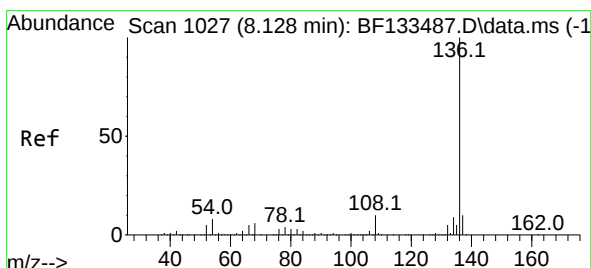
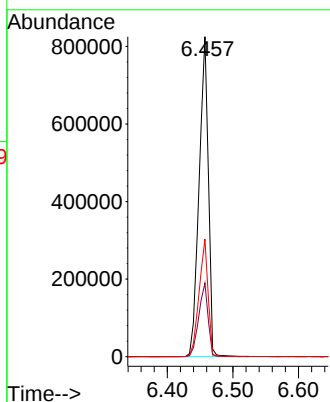
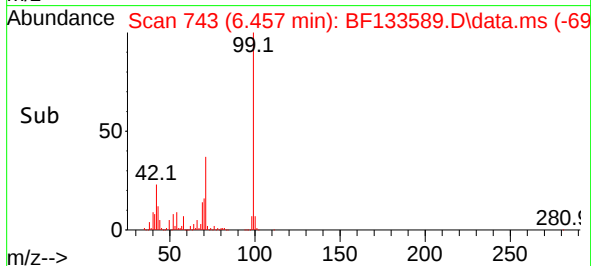
Instrument :
BNA_F
ClientSampleId :
TR-04-060123



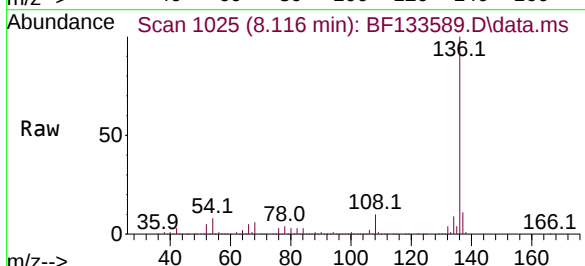
Tgt Ion: 99 Resp: 81295
Ion Ratio Lower Upper
99 100
42 23.0 19.7 29.5
71 36.7 29.8 44.8

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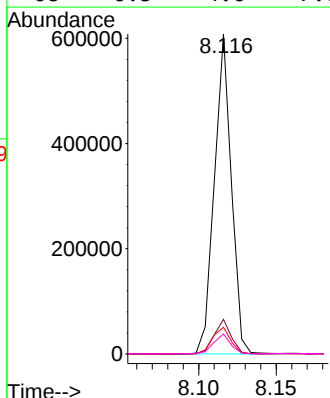
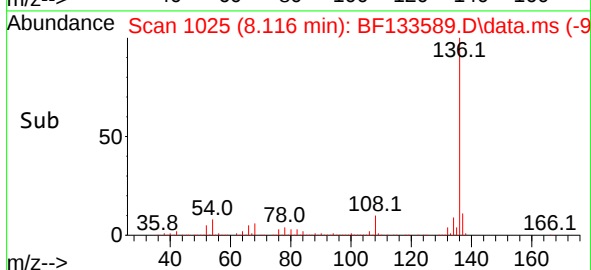
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023

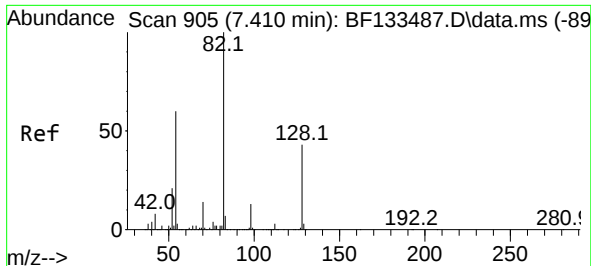


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133589.D
Acq: 06 Jun 2023 13:51



Tgt Ion:136 Resp: 463214
Ion Ratio Lower Upper
136 100
137 10.8 8.2 12.4
54 8.4 6.6 10.0
68 6.3 4.6 7.0





#23

Nitrobenzene-d5

Concen: 75.253 ng

RT: 7.392 min Scan# 905

Delta R.T. -0.012 min

Lab File: BF133589.D

Acq: 06 Jun 2023 13:51

Instrument :

BNA_F

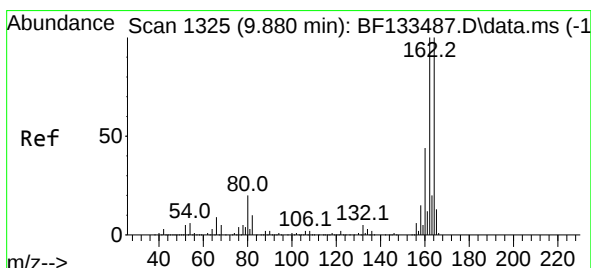
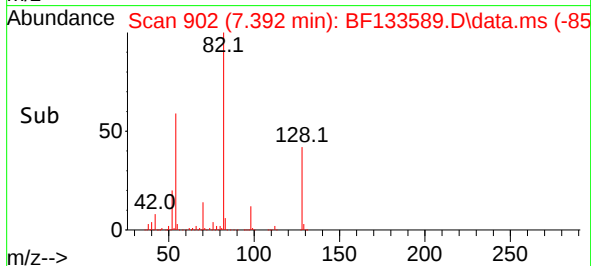
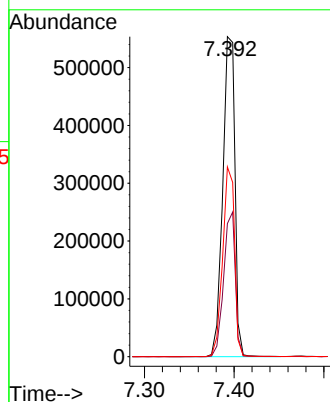
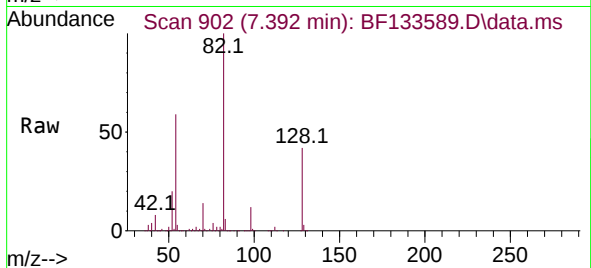
ClientSampleId :

TR-04-060123

Tgt Ion: 82 Resp: 522075
 Ion Ratio Lower Upper
 82 100
 128 41.6 34.2 51.4
 54 59.3 48.2 72.4

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 Supervised By :mohammad ahmed 06/08/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

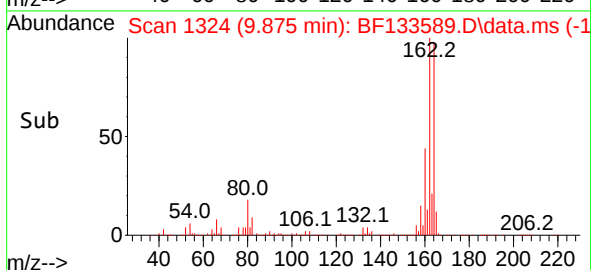
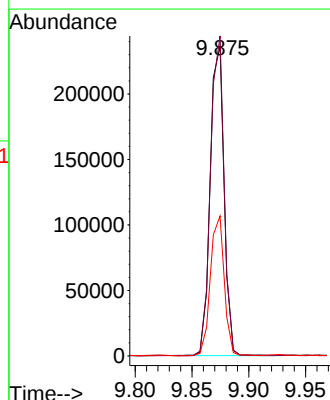
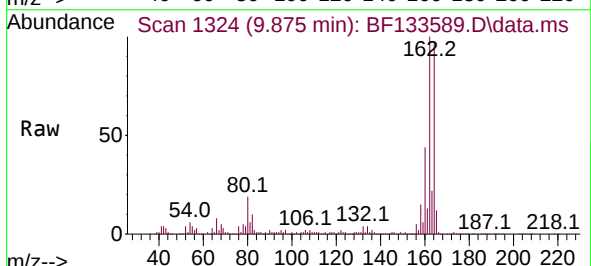
RT: 9.875 min Scan# 1324

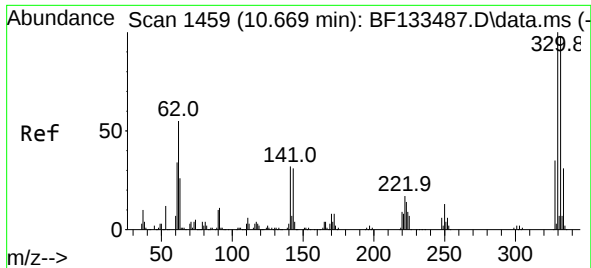
Delta R.T. 0.000 min

Lab File: BF133589.D

Acq: 06 Jun 2023 13:51

Tgt Ion:164 Resp: 200114
 Ion Ratio Lower Upper
 164 100
 162 103.2 79.7 119.5
 160 45.2 35.4 53.0





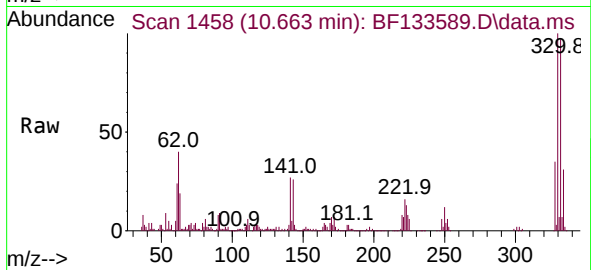
#42
2,4,6-Tribromophenol
Concen: 91.189 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133589.D
Acq: 06 Jun 2023 13:51

Instrument :

BNA_F

ClientSampleId :

TR-04-060123



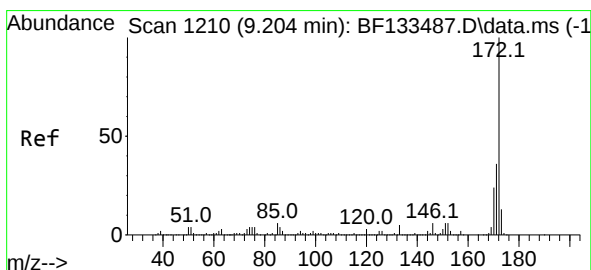
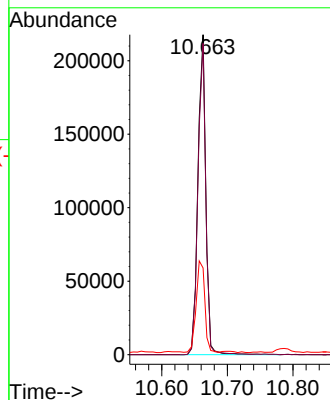
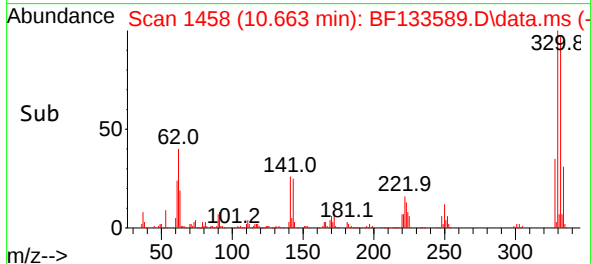
Tgt Ion:330 Resp: 18190
Ion Ratio Lower Upper
330 100
332 96.8 77.8 116.6
141 31.3 26.6 40.0

Manual Integrations

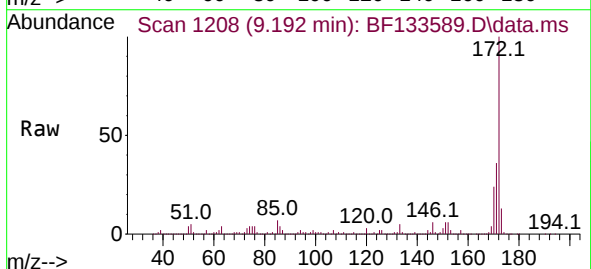
APPROVED

Reviewed By :Yogesh Patel 06/07/2023

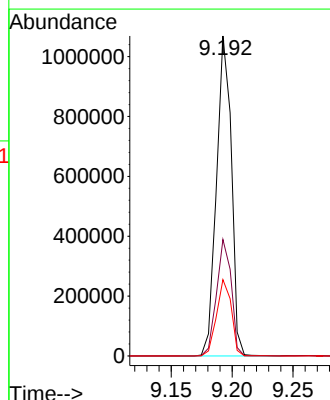
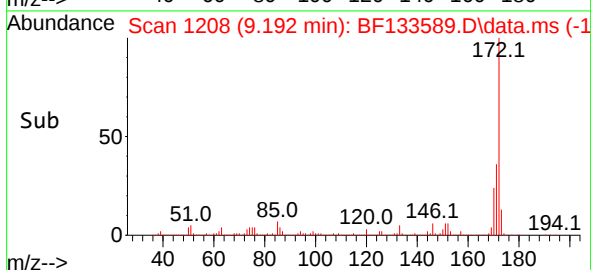
Supervised By :mohammad ahmed 06/08/2023

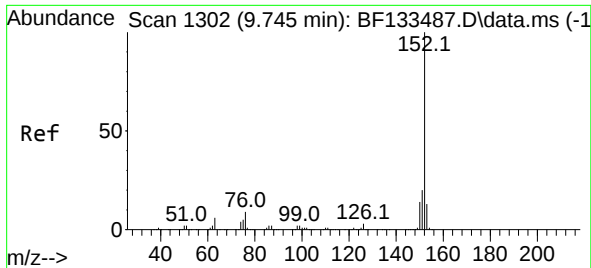


#45
2-Fluorobiphenyl
Concen: 69.957 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133589.D
Acq: 06 Jun 2023 13:51



Tgt Ion:172 Resp: 907030
Ion Ratio Lower Upper
172 100
171 36.4 28.4 42.6
170 23.9 19.3 28.9





#49
Acenaphthylene
Concen: 3.729 ng
RT: 9.733 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133589.D
Acq: 06 Jun 2023 13:51

Instrument :

BNA_F

ClientSampleId :

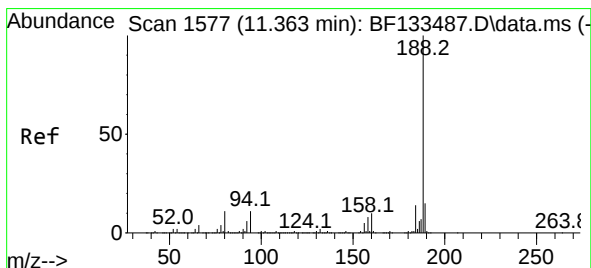
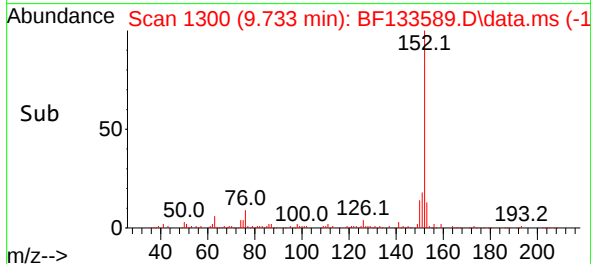
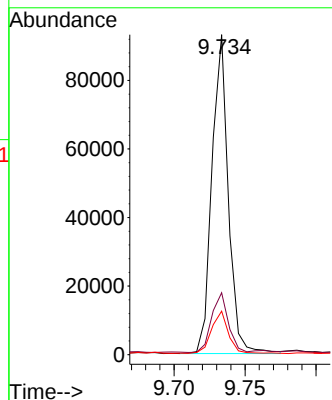
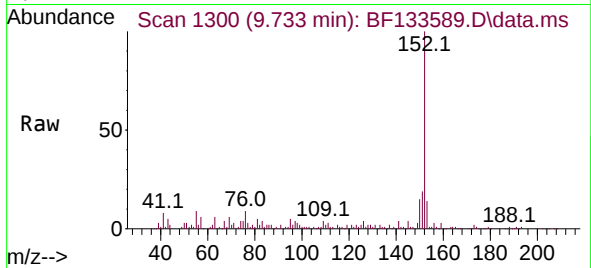
TR-04-060123

Tgt Ion:152 Resp: 74978
Ion Ratio Lower Upper
152 100
151 19.3 16.0 24.0
153 13.6 10.4 15.6

Manual Integrations

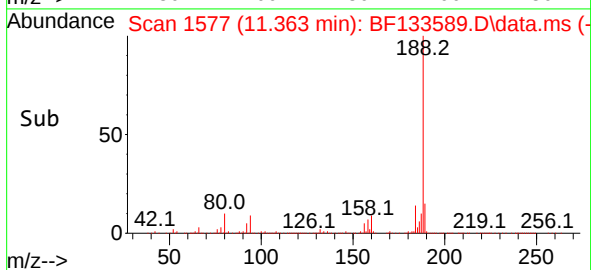
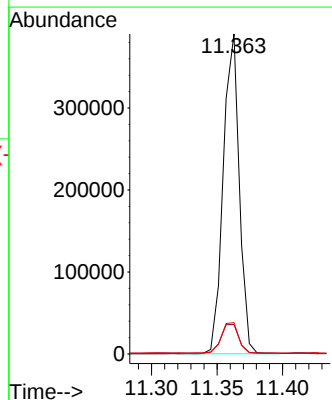
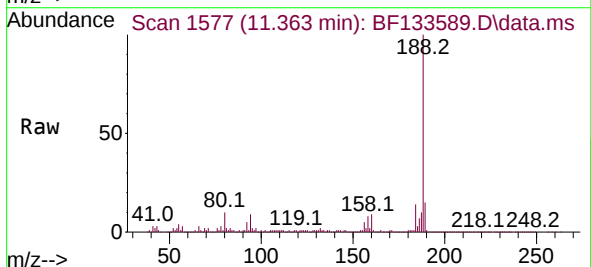
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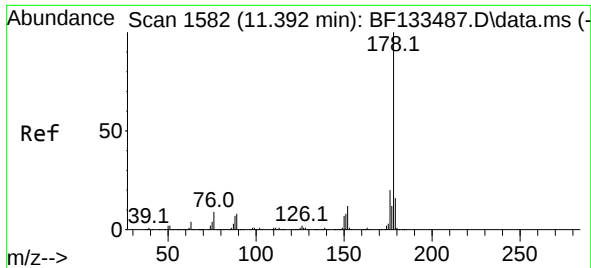
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF133589.D
Acq: 06 Jun 2023 13:51

Tgt Ion:188 Resp: 330750
Ion Ratio Lower Upper
188 100
94 9.2 8.6 12.8
80 9.8 9.2 13.8





#71
Phenanthrene
Concen: 16.501 ng
RT: 11.386 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF133589.D
Acq: 06 Jun 2023 13:51

Instrument :

BNA_F

ClientSampleId :

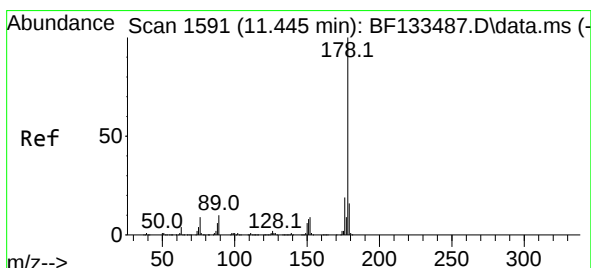
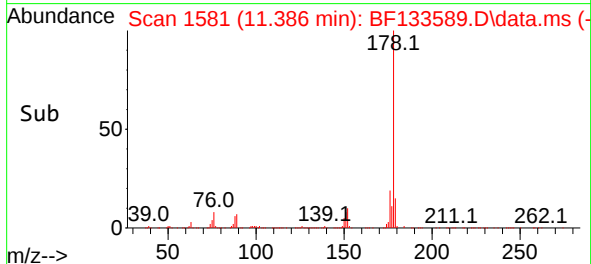
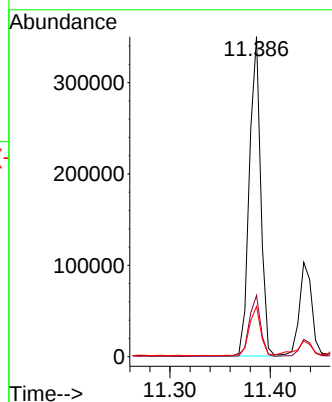
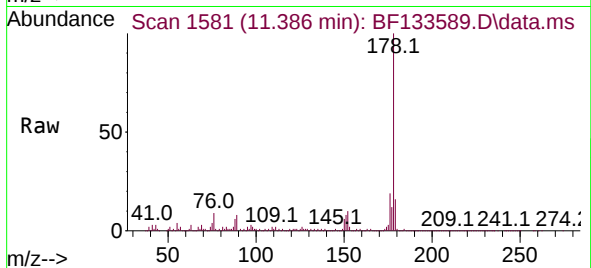
TR-04-060123

Tgt Ion:178 Resp: 276430
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 15.7 12.4 18.6

Manual Integrations

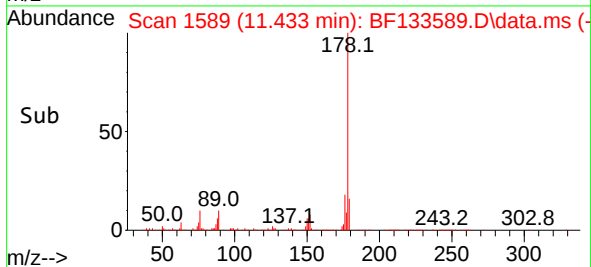
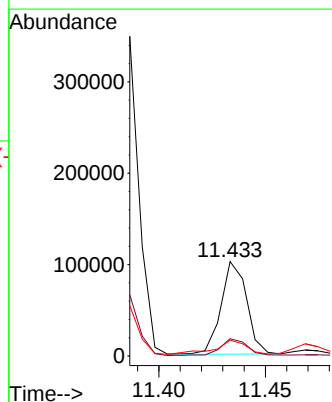
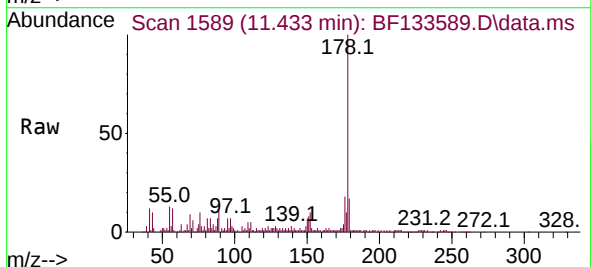
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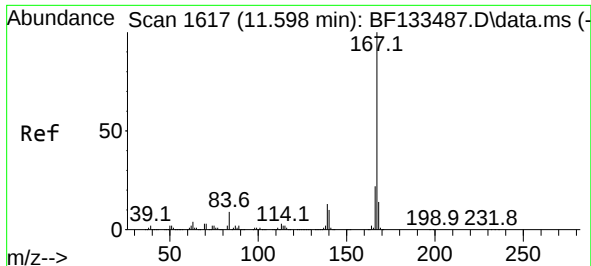
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#72
Anthracene
Concen: 4.923 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF133589.D
Acq: 06 Jun 2023 13:51

Tgt Ion:178 Resp: 84870
Ion Ratio Lower Upper
178 100
176 18.3 15.3 22.9
179 16.8 12.6 18.8





#73
 Carbazole
 Concen: 2.060 ng
 RT: 11.586 min Scan# 1615
 Delta R.T. -0.012 min
 Lab File: BF133589.D
 Acq: 06 Jun 2023 13:51

Instrument :

BNA_F

ClientSampleId :

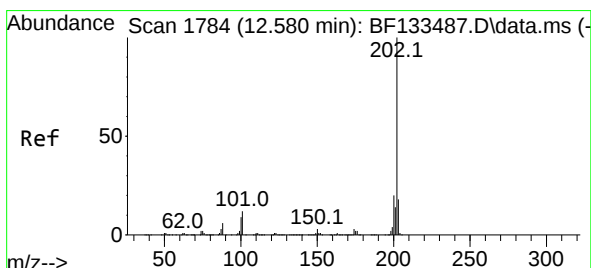
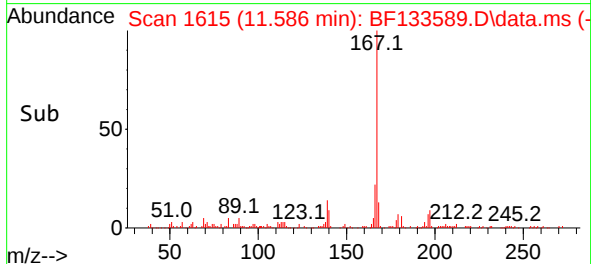
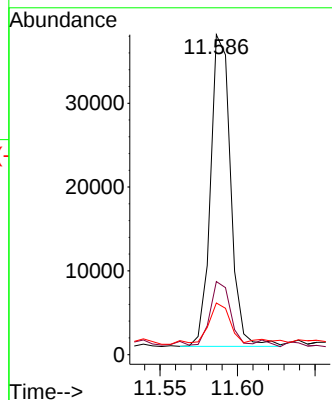
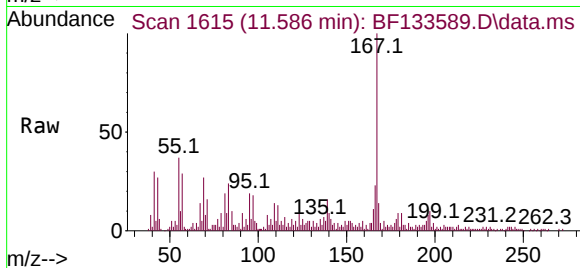
TR-04-060123

Tgt Ion:167 Resp: 3358
 Ion Ratio Lower Upper
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 166 22.9 17.3 25.9
 139 16.2 10.7 16.1

Manual Integrations

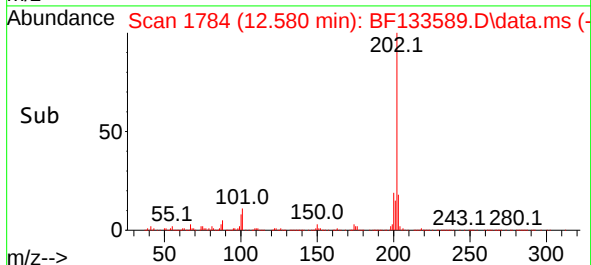
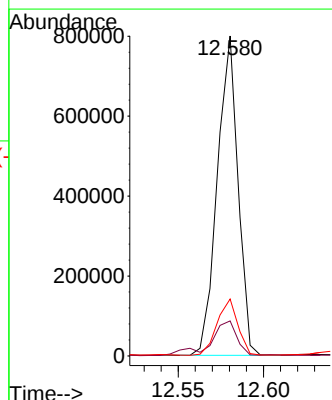
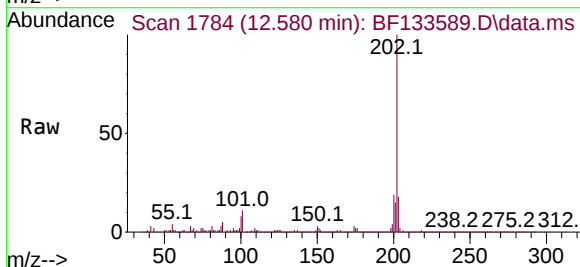
APPROVED

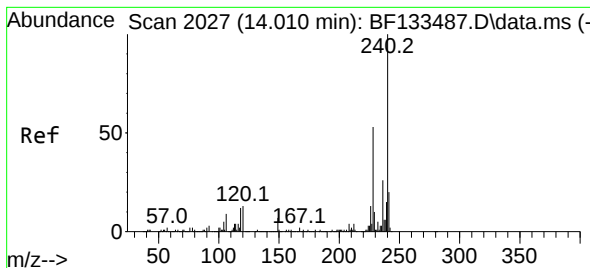
Reviewed By :Yogesh Patel 06/07/2023
 Supervised By :mohammad ahmed 06/08/2023



#75
 Fluoranthene
 Concen: 36.537 ng
 RT: 12.580 min Scan# 1784
 Delta R.T. 0.000 min
 Lab File: BF133589.D
 Acq: 06 Jun 2023 13:51

Tgt Ion:202 Resp: 676087
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 32.2
 203 17.8 0.0 37.8





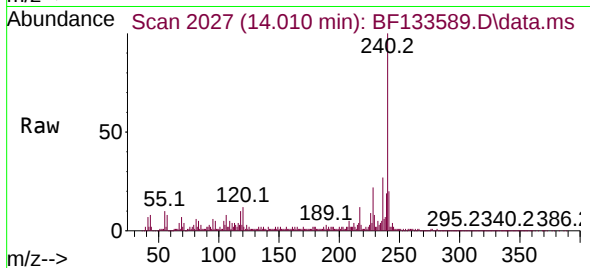
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF133589.D
Acq: 06 Jun 2023 13:51

Instrument :

BNA_F

ClientSampleId :

TR-04-060123



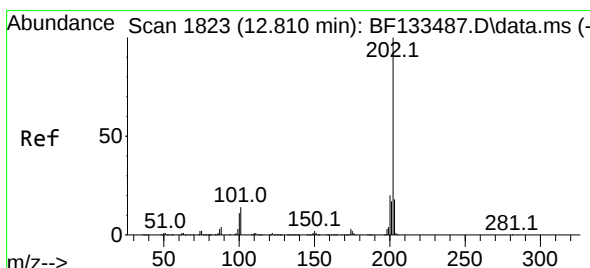
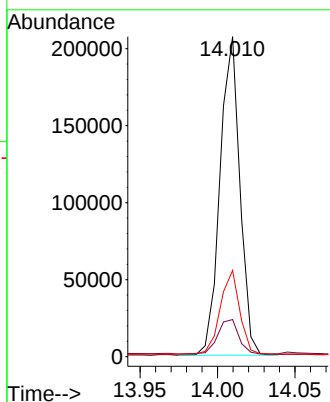
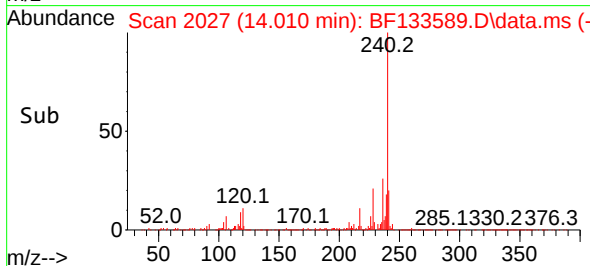
Tgt Ion:240 Resp: 184569
Ion Ratio Lower Upper
240 100
120 11.6 10.3 15.5
236 27.0 20.5 30.7

Manual Integrations

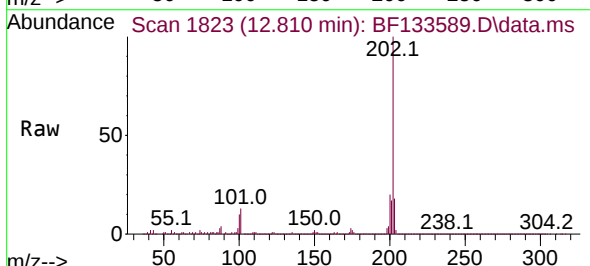
APPROVED

Reviewed By :Yogesh Patel 06/07/2023

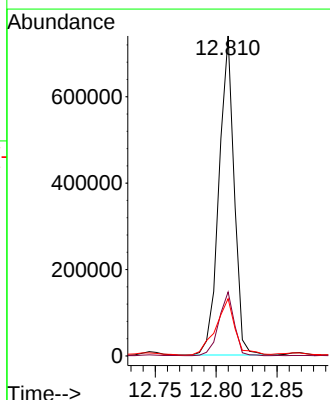
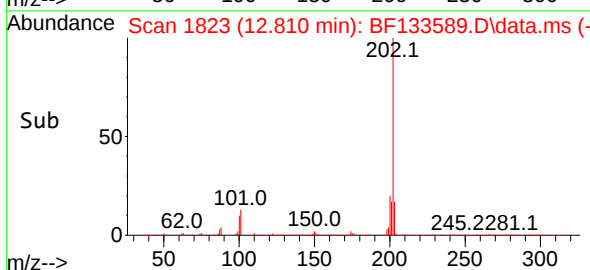
Supervised By :mohammad ahmed 06/08/2023

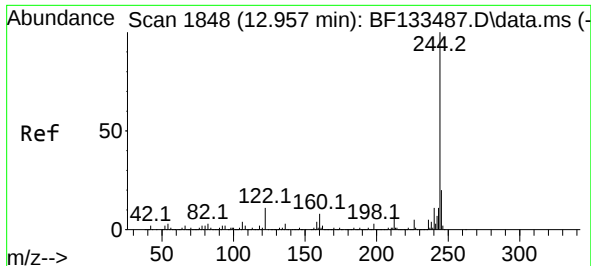


#78
Pyrene
Concen: 40.884 ng
RT: 12.810 min Scan# 1823
Delta R.T. 0.000 min
Lab File: BF133589.D
Acq: 06 Jun 2023 13:51



Tgt Ion:202 Resp: 642118
Ion Ratio Lower Upper
202 100
200 20.0 16.3 24.5
203 17.9 14.3 21.5





#79
 Terphenyl-d14
 Concen: 74.935 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. 0.000 min
 Lab File: BF133589.D
 Acq: 06 Jun 2023 13:51

Instrument :

BNA_F

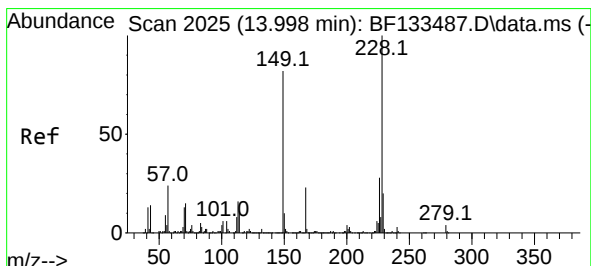
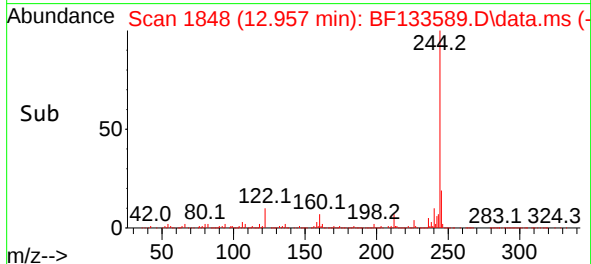
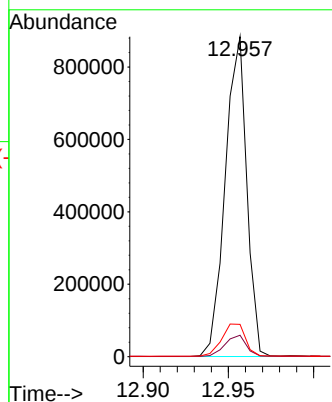
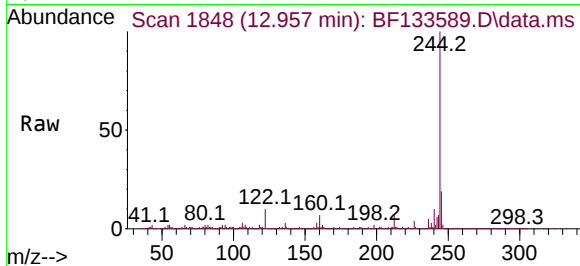
ClientSampleId :

TR-04-060123

Tgt Ion:244 Resp: 77788
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.6
 122 10.1 8.5 12.7

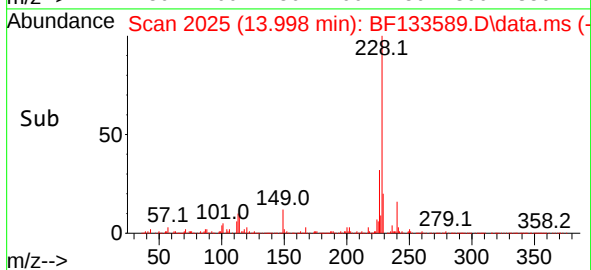
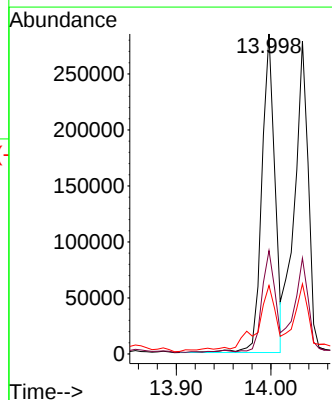
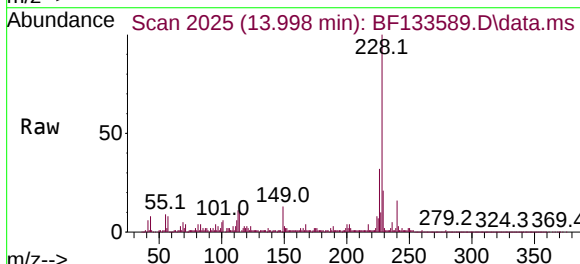
Manual Integrations
 APPROVED

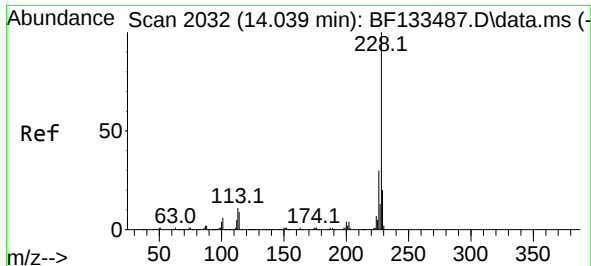
Reviewed By :Yogesh Patel 06/07/2023
 Supervised By :mohammad ahmed 06/08/2023



#81
 Benzo(a)anthracene
 Concen: 22.146 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. 0.000 min
 Lab File: BF133589.D
 Acq: 06 Jun 2023 13:51

Tgt Ion:228 Resp: 272290
 Ion Ratio Lower Upper
 228 100
 226 32.3 22.3 33.5
 229 21.4 16.1 24.1





#83
Chrysene
Concen: 20.754 ng
RT: 14.033 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133589.D
Acq: 06 Jun 2023 13:51

Instrument :

BNA_F

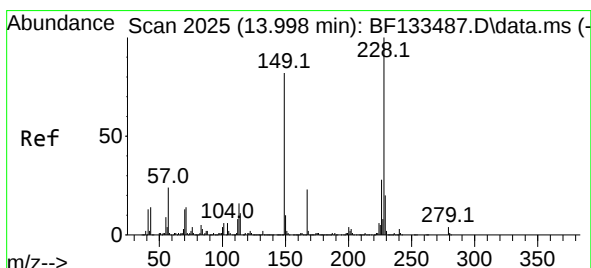
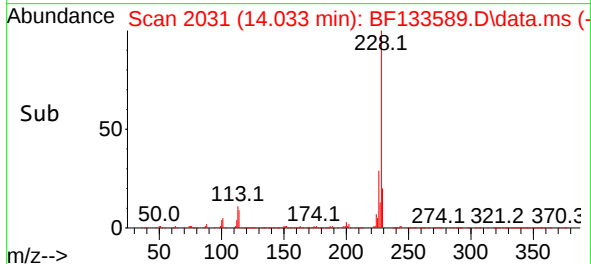
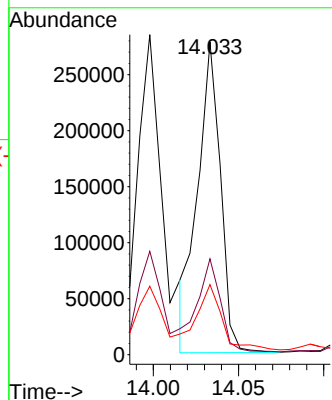
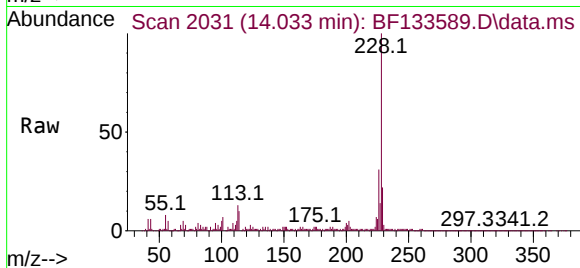
ClientSampleId :

TR-04-060123

Tgt Ion:228 Resp: 257604
Ion Ratio Lower Upper
228 100
226 30.6 24.1 36.1
229 22.4 15.8 23.8

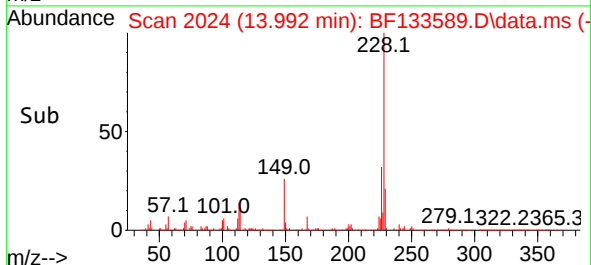
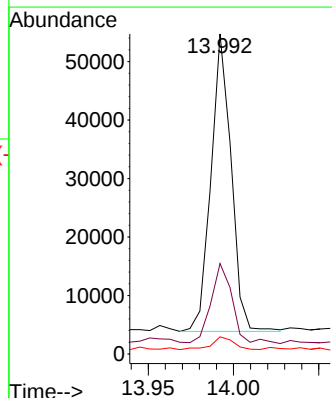
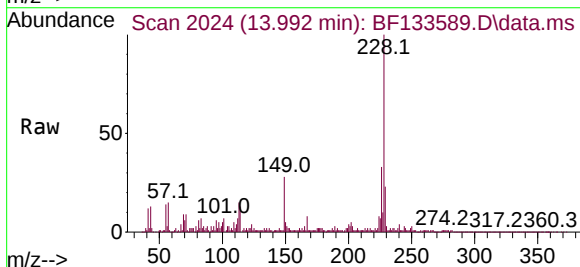
Manual Integrations
APPROVED

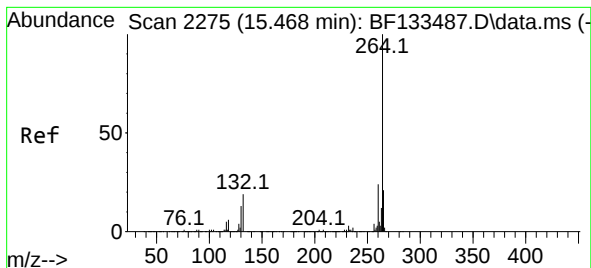
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.391 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF133589.D
Acq: 06 Jun 2023 13:51

Tgt Ion:149 Resp: 41873
Ion Ratio Lower Upper
149 100
167 28.3 22.0 33.0
279 5.3 3.6 5.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133589.D

Acq: 06 Jun 2023 13:51

Instrument :

BNA_F

ClientSampleId :

TR-04-060123

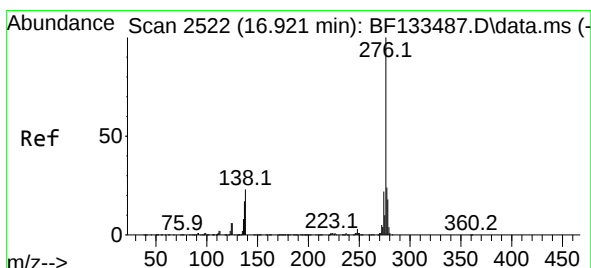
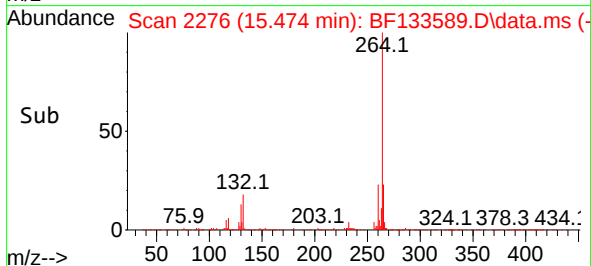
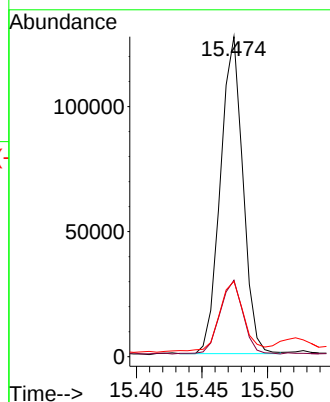
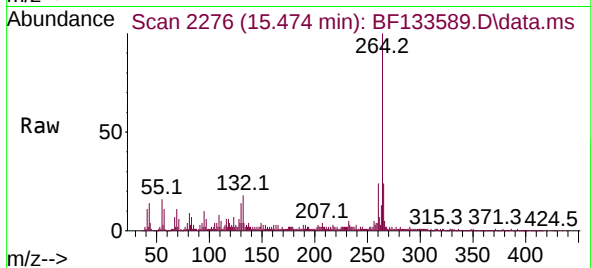
Tgt Ion:264 Resp: 15118
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.0 28.4
 265 23.6 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 14.638 ng m

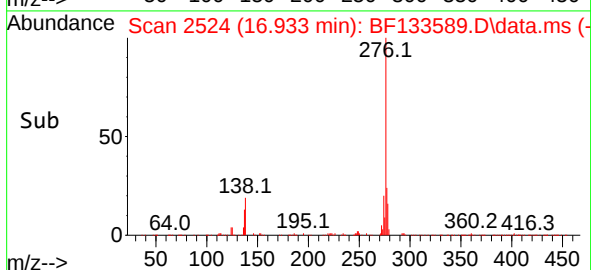
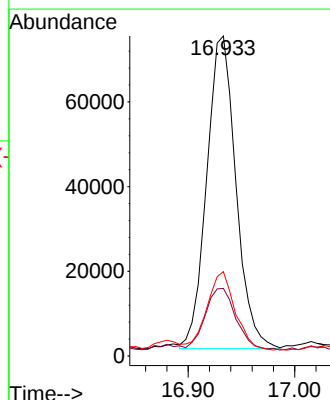
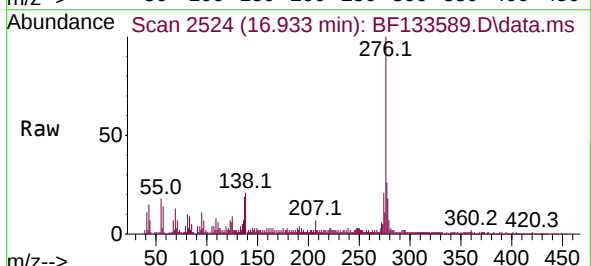
RT: 16.933 min Scan# 2524

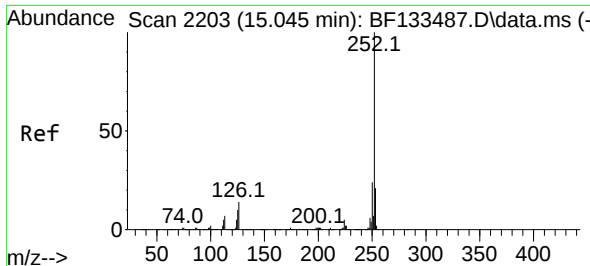
Delta R.T. 0.000 min

Lab File: BF133589.D

Acq: 06 Jun 2023 13:51

Tgt Ion:276 Resp: 140971
 Ion Ratio Lower Upper
 276 100
 138 5.6 21.4 32.2#
 277 5.3 20.0 30.0#





#88
Benzo(b)fluoranthene
Concen: 30.744 ng m
RT: 15.045 min Scan# 2203
Delta R.T. 0.000 min
Lab File: BF133589.D
Acq: 06 Jun 2023 13:51

Instrument :

BNF

ClientSampleId :

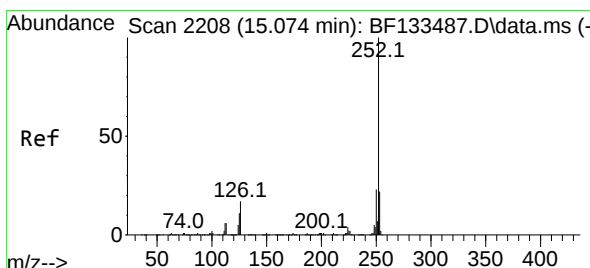
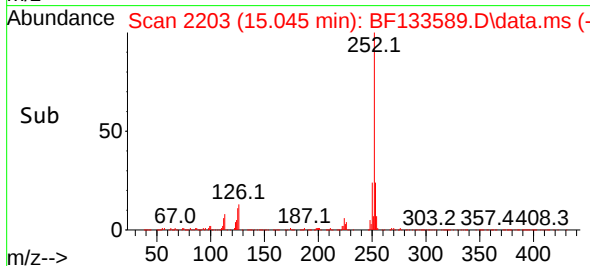
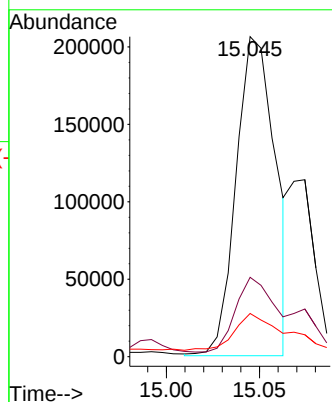
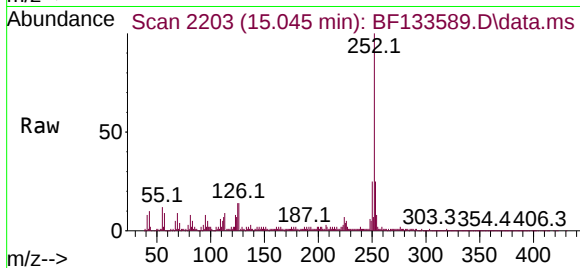
TR-04-060123

Tgt Ion:252 Resp: 302674
Ion Ratio Lower Upper
252 100
253 24.8 17.2 25.8
125 13.5 8.1 12.1

Manual Integrations

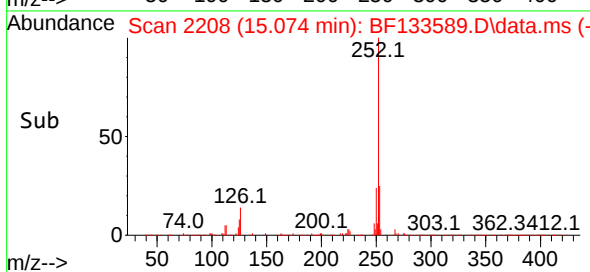
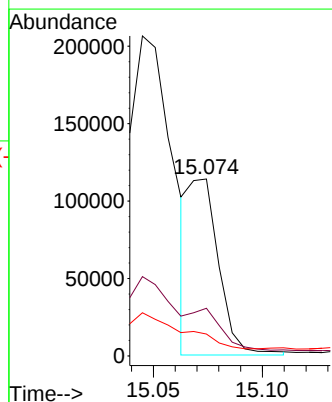
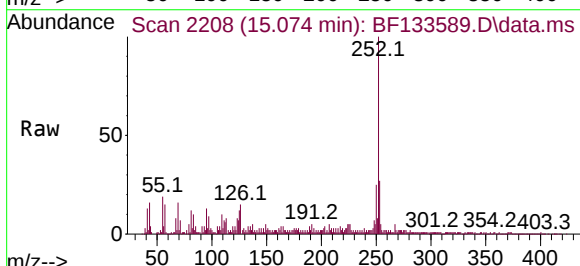
APPROVED

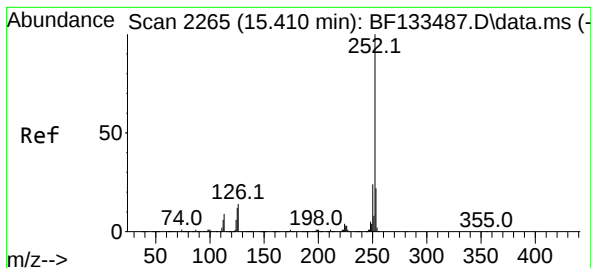
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#89
Benzo(k)fluoranthene
Concen: 11.313 ng m
RT: 15.074 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF133589.D
Acq: 06 Jun 2023 13:51

Tgt Ion:252 Resp: 108600
Ion Ratio Lower Upper
252 100
253 26.9 17.4 26.2#
125 12.4 8.3 12.5





#90

Benzo(a)pyrene

Concen: 22.805 ng

RT: 15.410 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133589.D

Acq: 06 Jun 2023 13:51

Instrument :

BNA_F

ClientSampleId :

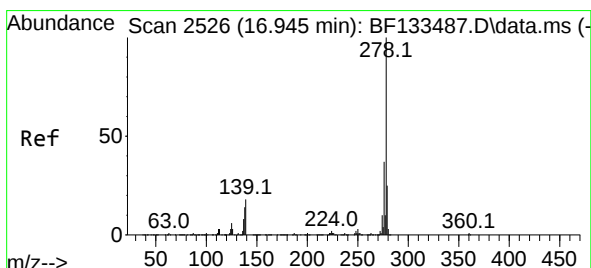
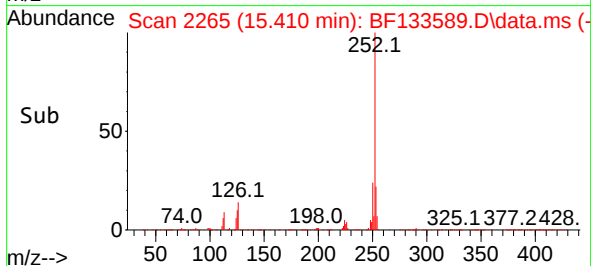
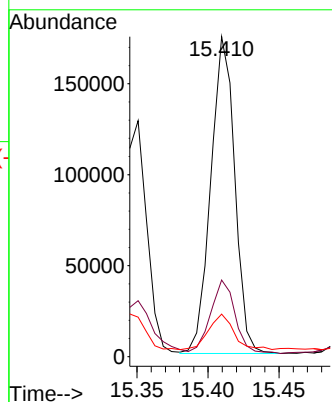
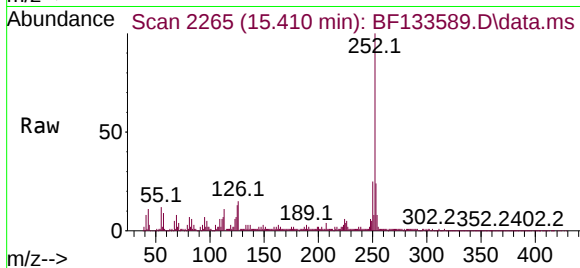
TR-04-060123

Tgt Ion:252 Resp: 204290
 Ion Ratio Lower Upper
 252 100
 253 23.9 17.4 26.0
 125 13.3 9.4 14.0

Manual Integrations

APPROVED

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



#91

Dibenzo(a,h)anthracene

Concen: 4.452 ng

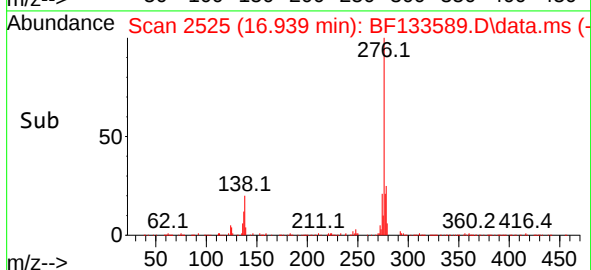
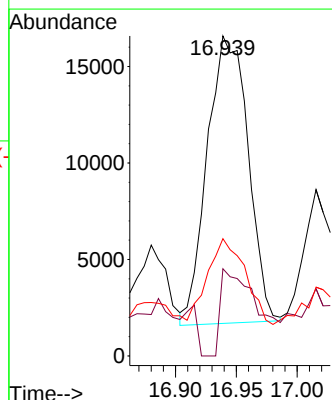
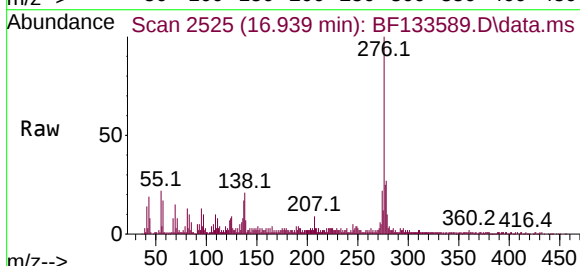
RT: 16.939 min Scan# 2525

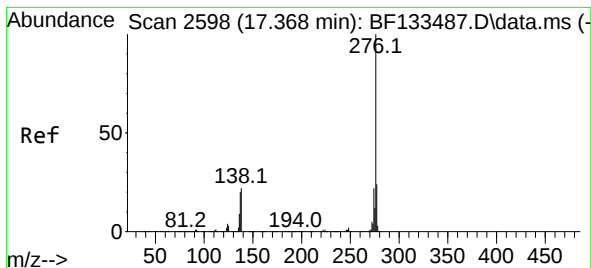
Delta R.T. -0.012 min

Lab File: BF133589.D

Acq: 06 Jun 2023 13:51

Tgt Ion:278 Resp: 34763
 Ion Ratio Lower Upper
 278 100
 139 27.2 14.1 21.1#
 279 36.7 19.7 29.5#





#92

Benzo(g,h,i)perylene

Concen: 18.501 ng

RT: 17.374 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133589.D

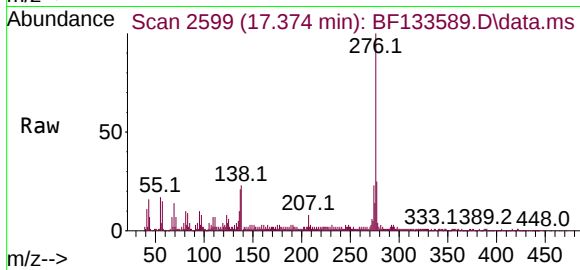
Acq: 06 Jun 2023 13:51

Instrument :

BNA_F

ClientSampleId :

TR-04-060123



Tgt Ion:276 Resp: 145658

Ion Ratio Lower Upper

276 100

277 24.7 18.8 28.2

138 22.9 17.8 26.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023

