

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
 Data File : BF133598.D
 Acq On : 06 Jun 2023 18:44
 Operator : CG\JU
 Sample : 03002-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB05A

Manual Integrations
 APPROVED

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

Quant Time: Jun 07 04:00:39 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	133719	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	499161	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	220324	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	365235	20.000	ng	0.00
76) Chrysene-d12	14.010	240	211206	20.000	ng	0.00
86) Perylene-d12	15.474	264	172811	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	597468	74.548	ng	0.00
7) Phenol-d6	6.463	99	723435	73.327	ng	0.00
23) Nitrobenzene-d5	7.398	82	455880	60.979	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	167123	76.096	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	844820	59.182	ng	0.00
79) Terphenyl-d14	12.951	244	700377	58.959	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.386	178	121615	6.574	ng	99
75) Fluoranthene	12.580	202	261791	12.812	ng	98
78) Pyrene	12.810	202	250352	13.930	ng	98
81) Benzo(a)anthracene	13.998	228	132452	9.414	ng	98
83) Chrysene	14.033	228	113867	8.017	ng	97
87) Indeno(1,2,3-cd)pyrene	16.927	276	46508	4.225	ng	# 93
88) Benzo(b)fluoranthene	15.045	252	113443m	10.081	ng	
89) Benzo(k)fluoranthene	15.074	252	42093m	3.836	ng	
90) Benzo(a)pyrene	15.410	252	84998	8.301	ng	98
92) Benzo(g,h,i)perylene	17.374	276	46957	5.218	ng	96

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

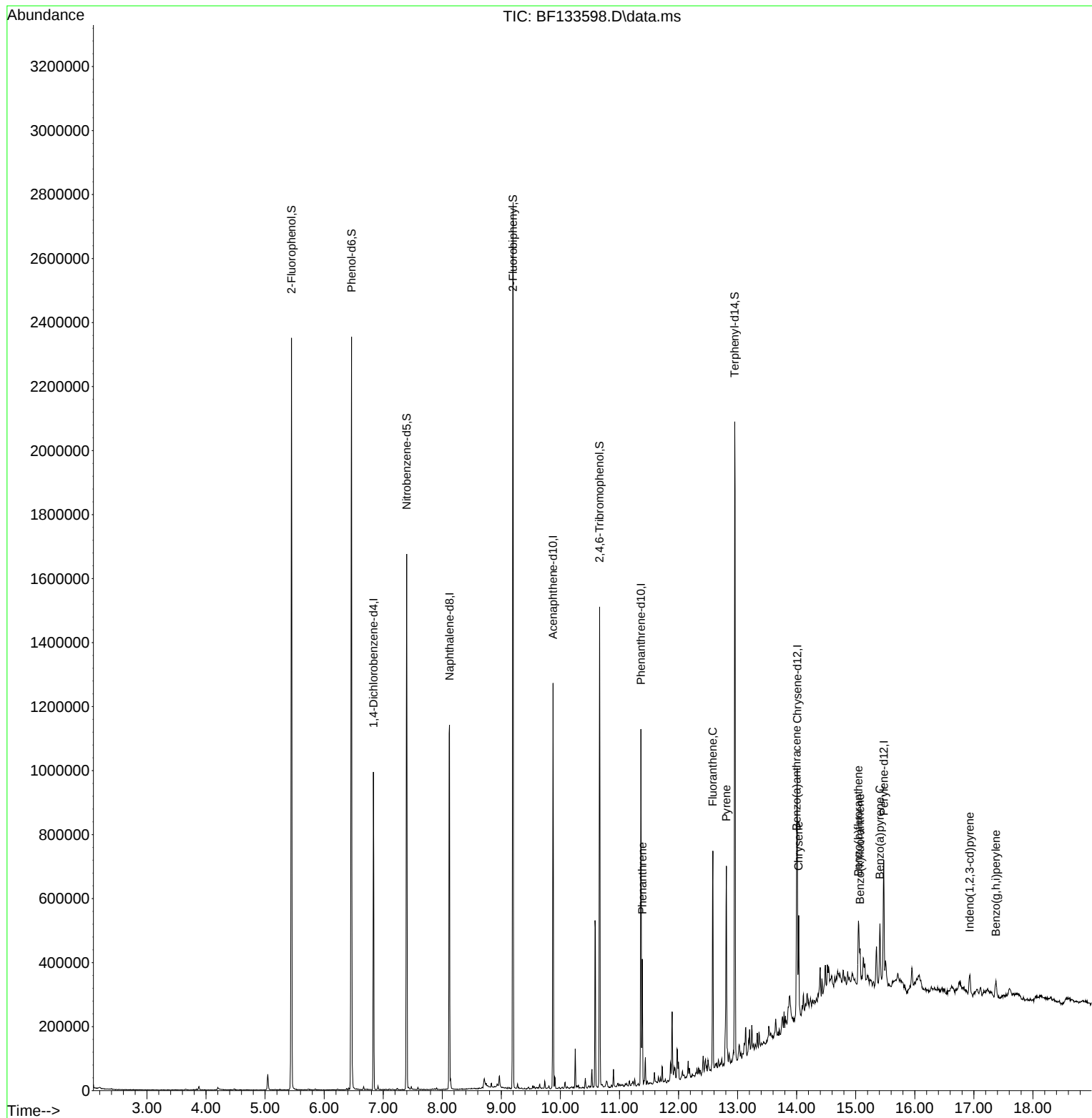
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133598.D
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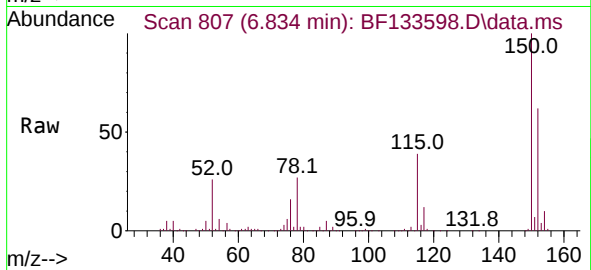
Quant Time: Jun 07 04:00:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 06 14:05:12 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

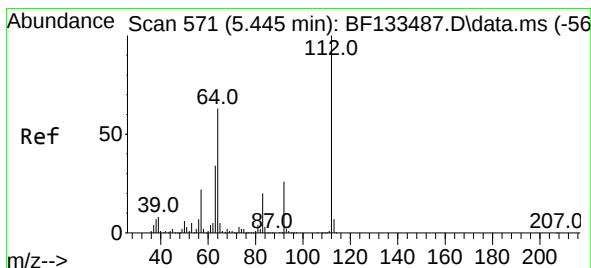
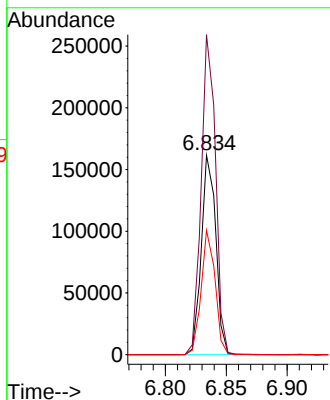
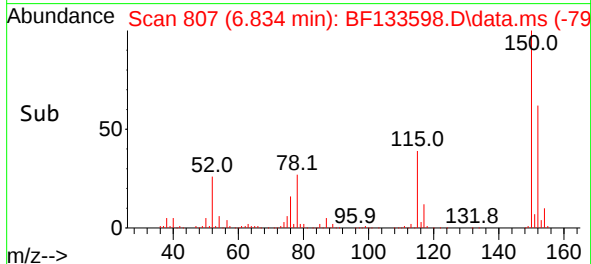
Instrument :
BNA_F
ClientSampleId :
SB05A



Tgt Ion:152 Resp: 133719
Ion Ratio Lower Upper
152 100
150 160.4 124.9 187.3
115 62.3 48.1 72.1

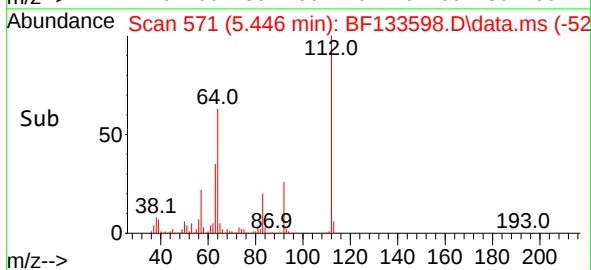
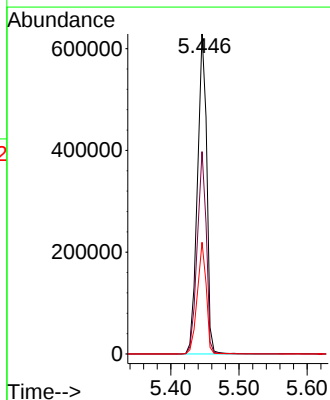
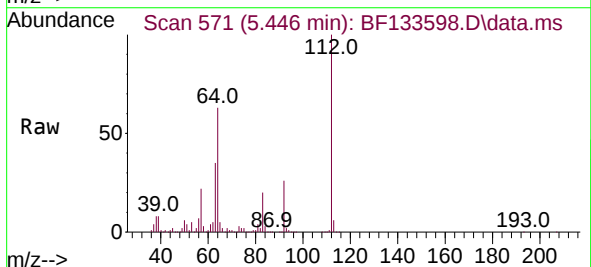
Manual Integrations
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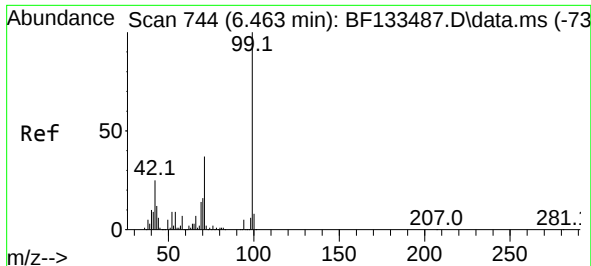
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#5
2-Fluorophenol
Concen: 74.548 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

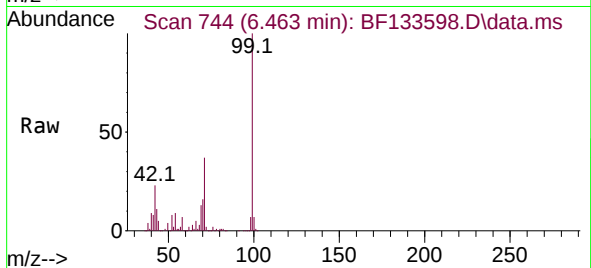
Tgt Ion:112 Resp: 597468
Ion Ratio Lower Upper
112 100
64 63.2 50.1 75.1
63 34.9 27.5 41.3





#7
Phenol-d6
Concen: 73.327 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

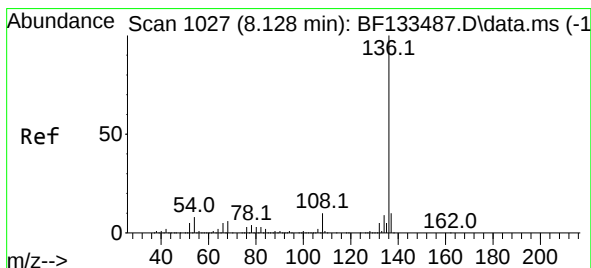
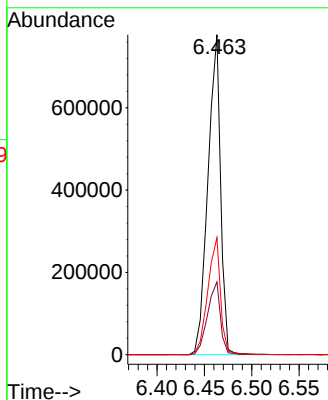
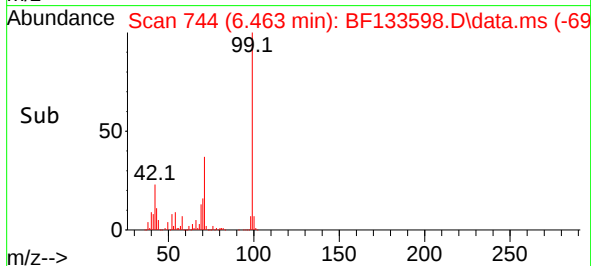
Instrument :
BNA_F
ClientSampleId :
SB05A



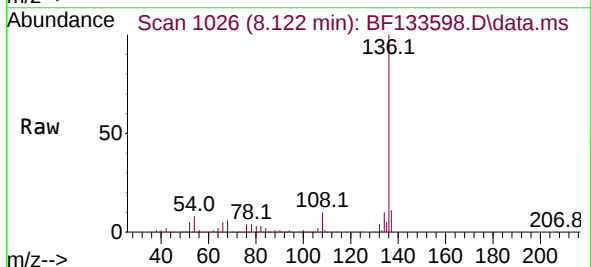
Tgt Ion: 99 Resp: 723435
Ion Ratio Lower Upper
99 100
42 22.8 19.7 29.5
71 36.6 29.8 44.8

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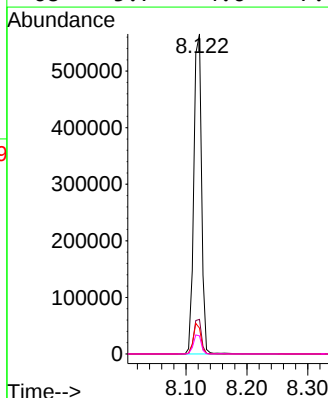
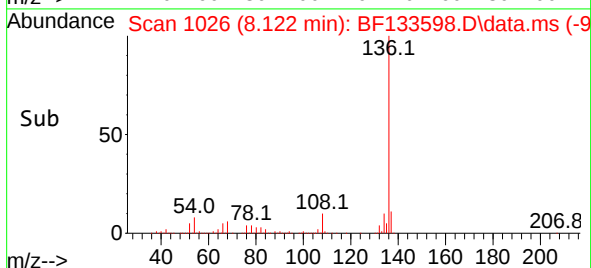
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44



Tgt Ion:136 Resp: 499161
Ion Ratio Lower Upper
136 100
137 10.8 8.2 12.4
54 8.1 6.6 10.0
68 5.7 4.6 7.0





#23

Nitrobenzene-d5

Concen: 60.979 ng

RT: 7.398 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133598.D

Acq: 06 Jun 2023 18:44

Instrument :

BNA_F

ClientSampleId :

SB05A

Tgt Ion: 82 Resp: 455880

Ion Ratio Lower Upper

82 100

128 43.9 34.2 51.4

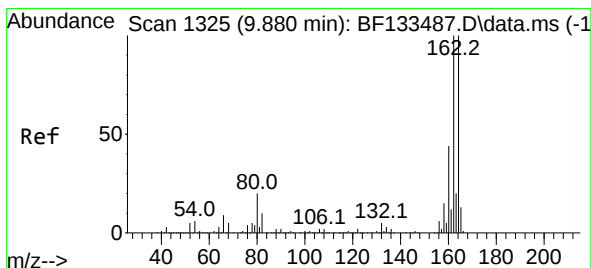
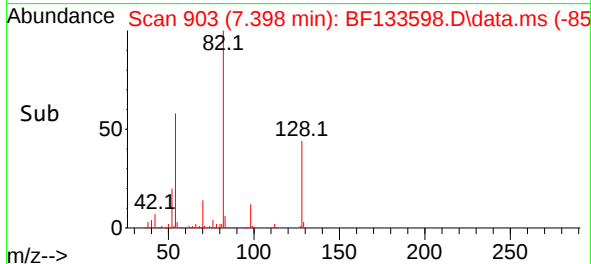
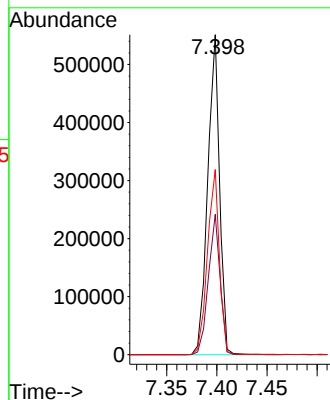
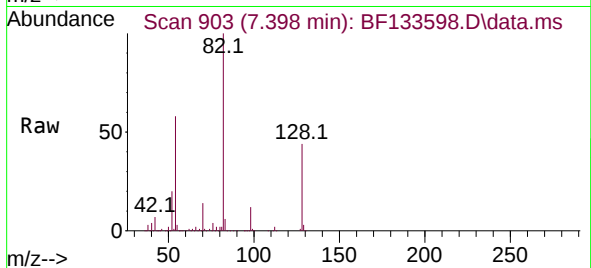
54 57.8 48.2 72.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1324

Delta R.T. 0.000 min

Lab File: BF133598.D

Acq: 06 Jun 2023 18:44

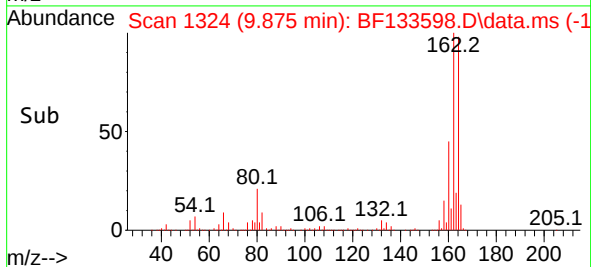
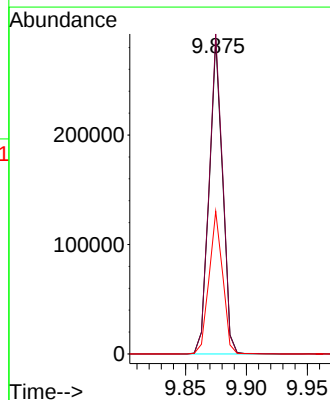
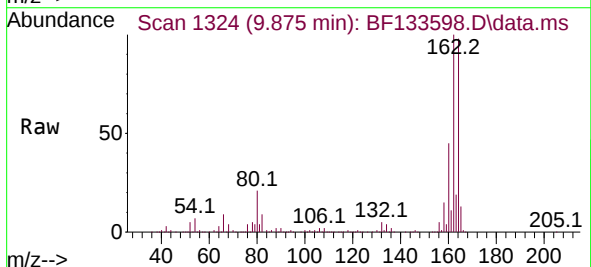
Tgt Ion:164 Resp: 220324

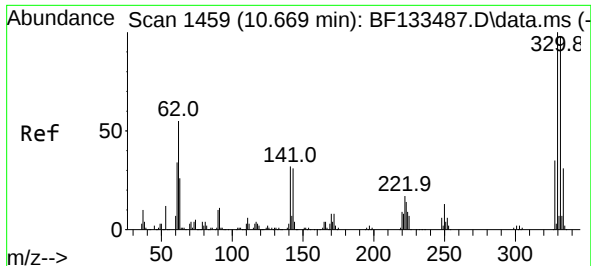
Ion Ratio Lower Upper

164 100

162 101.9 79.7 119.5

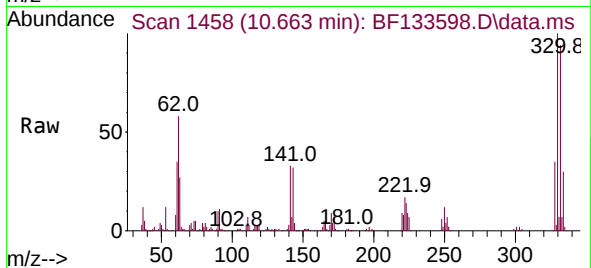
160 45.5 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 76.096 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

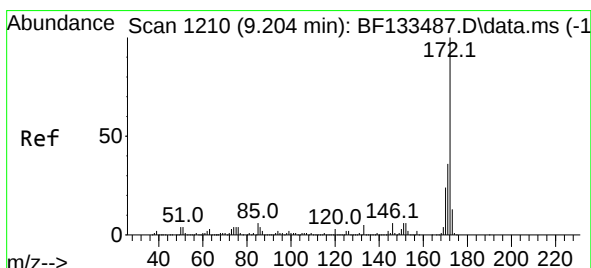
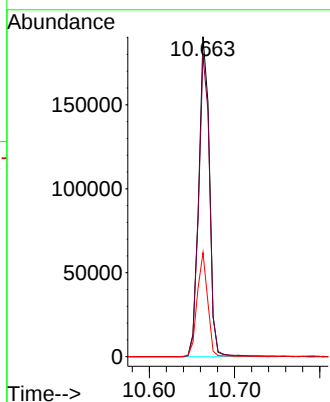
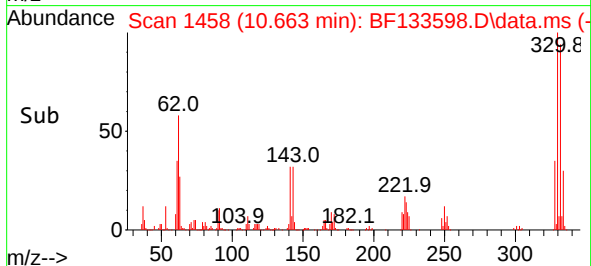
Instrument :
BNA_F
ClientSampleId :
SB05A



Tgt Ion: 330 Resp: 16712
Ion Ratio Lower Upper
330 100
332 95.3 77.8 116.6
141 31.7 26.6 40.0

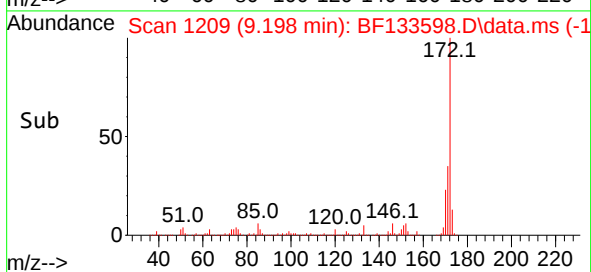
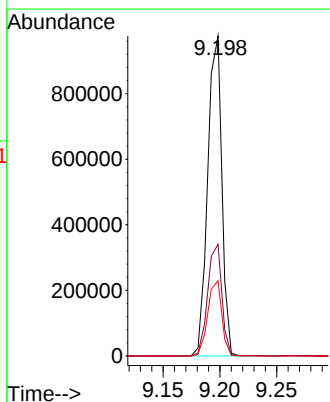
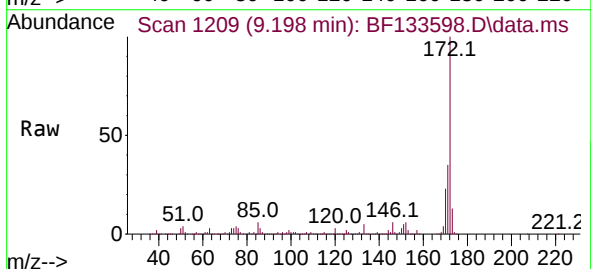
Manual Integrations
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Reviewed By : Yogesh Patel 06/07/2023
Supervised By : mohammad ahmed 06/08/2023



#45
2-Fluorobiphenyl
Concen: 59.182 ng
RT: 9.198 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

Tgt Ion: 172 Resp: 844820
Ion Ratio Lower Upper
172 100
171 34.8 28.4 42.6
170 23.5 19.3 28.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1577

Delta R.T. 0.000 min

Lab File: BF133598.D

Acq: 06 Jun 2023 18:44

Instrument :

BNA_F

ClientSampleId :

SB05A

Tgt Ion:188 Resp: 365235

Ion Ratio Lower Upper

188 100

94 9.3 8.6 12.8

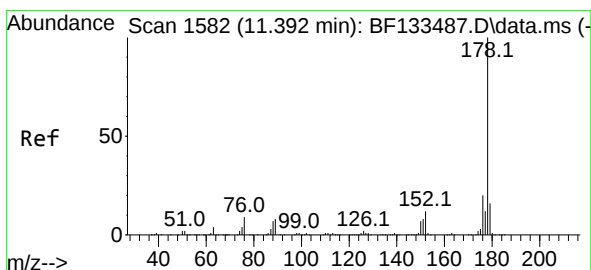
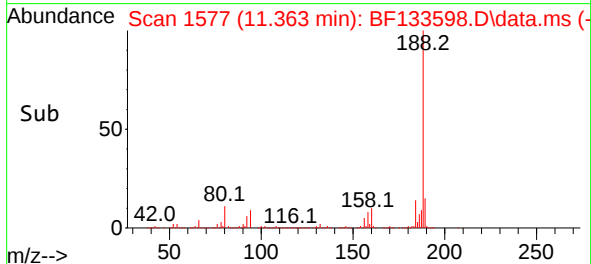
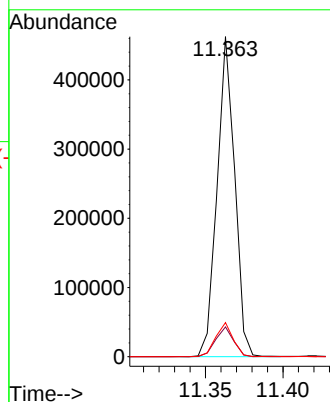
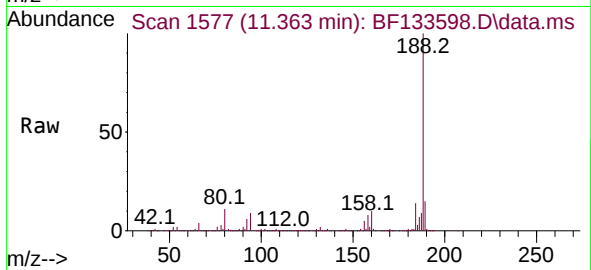
80 10.7 9.2 13.8

Manual Integrations

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Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#71

Phenanthrene

Concen: 6.574 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF133598.D

Acq: 06 Jun 2023 18:44

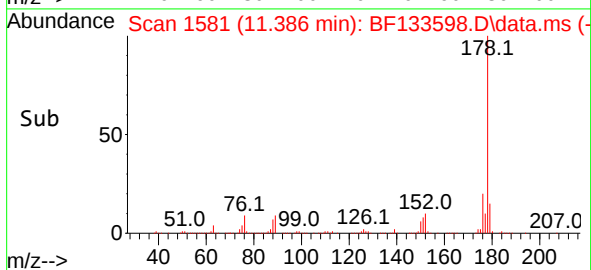
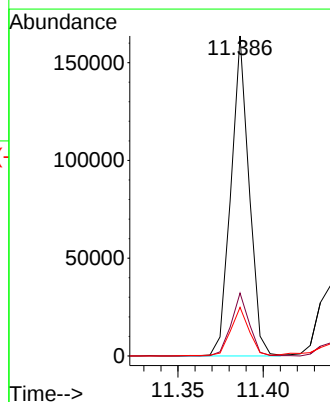
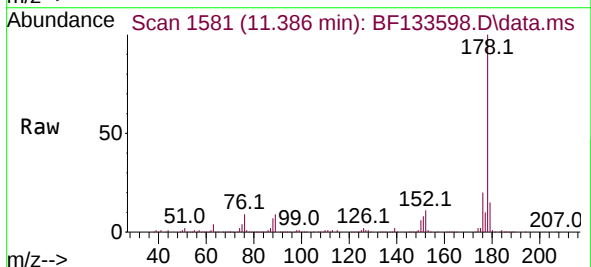
Tgt Ion:178 Resp: 121615

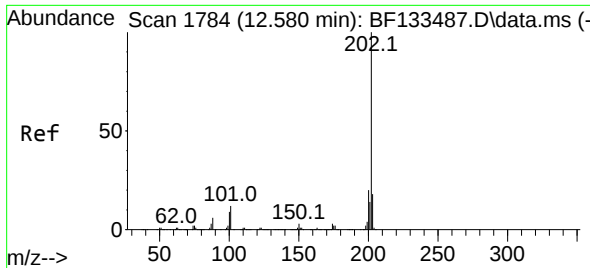
Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

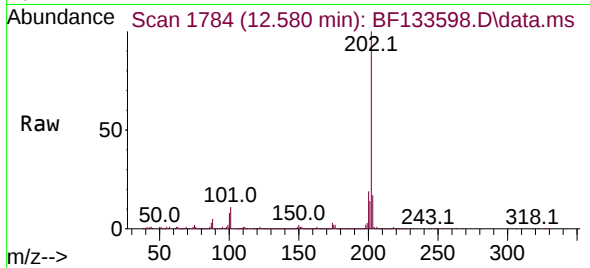
179 15.2 12.4 18.6





#75
Fluoranthene
Concen: 12.812 ng
RT: 12.580 min Scan# 1784
Delta R.T. 0.000 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

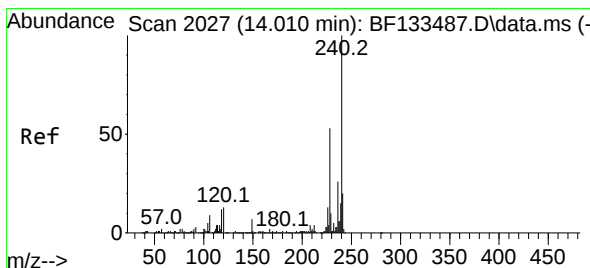
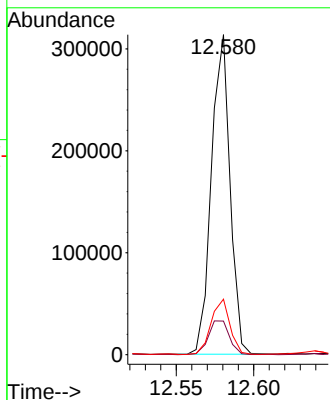
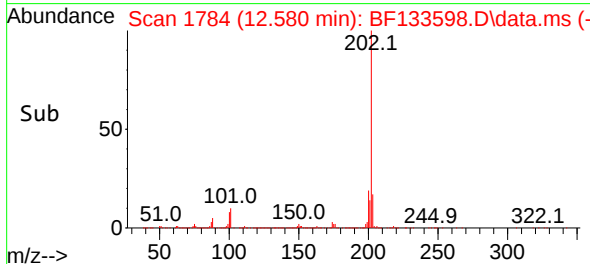
Instrument :
BNA_F
ClientSampleId :
SB05A



Tgt Ion:202 Resp: 26179
Ion Ratio Lower Upper
202 100
101 10.5 0.0 32.2
203 17.3 0.0 37.8

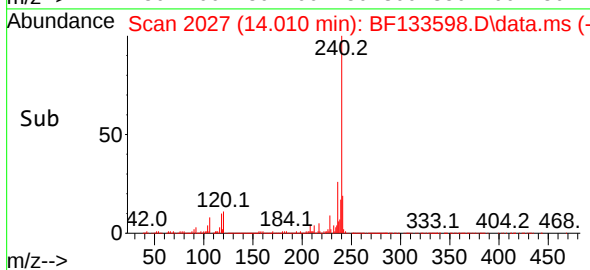
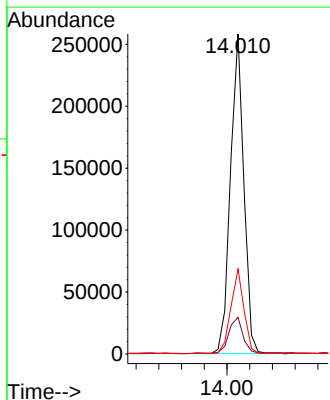
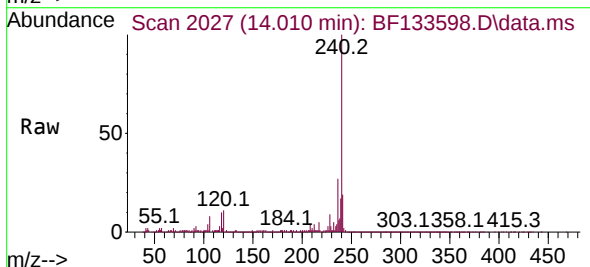
Manual Integrations
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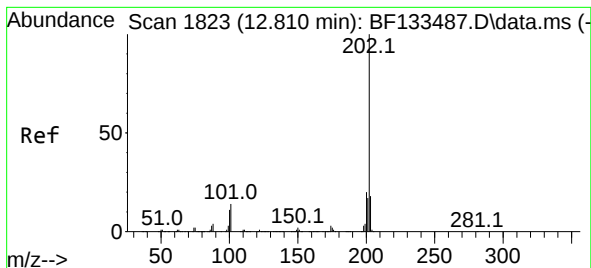
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

Tgt Ion:240 Resp: 211206
Ion Ratio Lower Upper
240 100
120 11.5 10.3 15.5
236 26.5 20.5 30.7





#78

Pyrene

Concen: 13.930 ng

RT: 12.810 min Scan# 1823

Delta R.T. 0.000 min

Lab File: BF133598.D

Acq: 06 Jun 2023 18:44

Instrument :

BNA_F

ClientSampleId :

SB05A

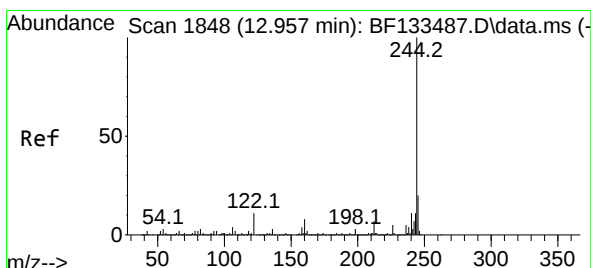
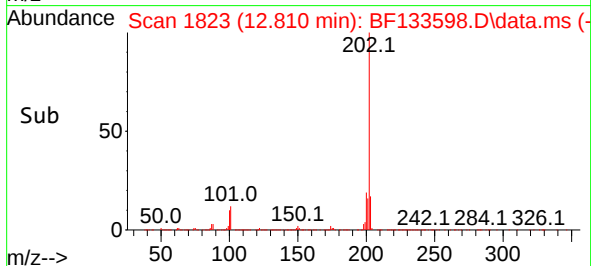
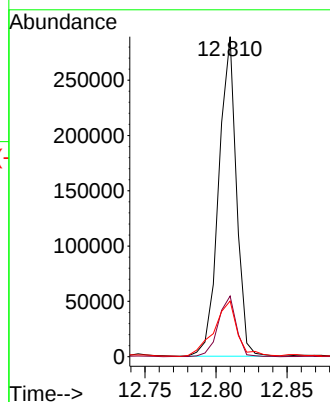
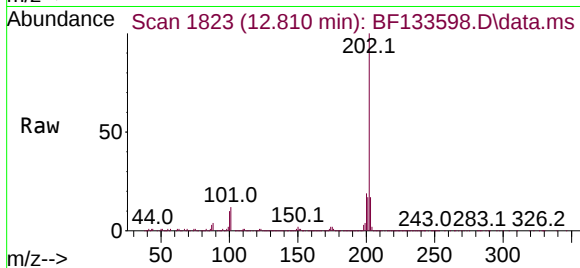
Tgt Ion:202 Resp: 250352
 Ion Ratio Lower Upper
 202 100
 200 19.0 16.3 24.5
 203 17.4 14.3 21.5

Manual Integrations

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Supervised By :mohammad ahmed 06/08/2023



#79

Terphenyl-d14

Concen: 58.959 ng

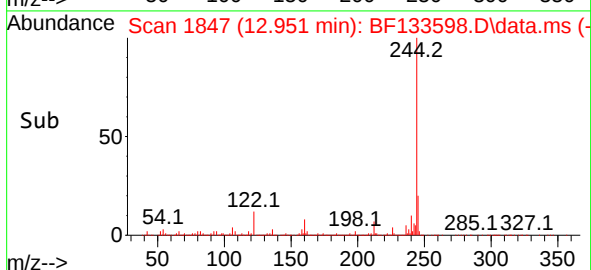
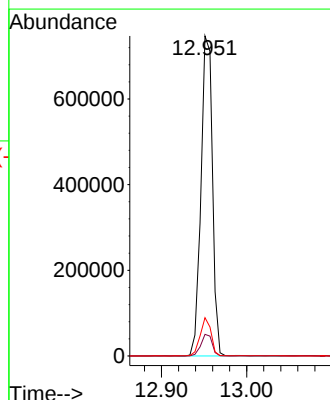
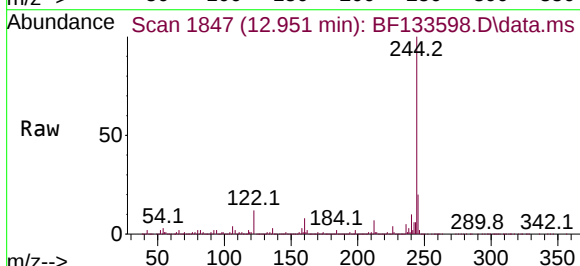
RT: 12.951 min Scan# 1847

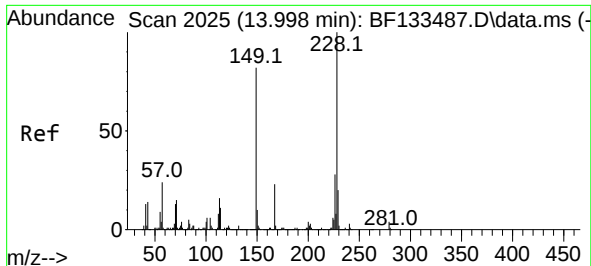
Delta R.T. -0.006 min

Lab File: BF133598.D

Acq: 06 Jun 2023 18:44

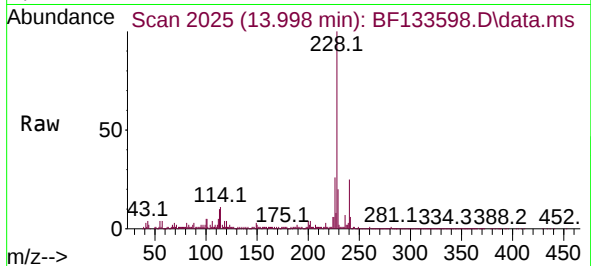
Tgt Ion:244 Resp: 700377
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.6
 122 12.0 8.5 12.7





#81
Benzo(a)anthracene
Concen: 9.414 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

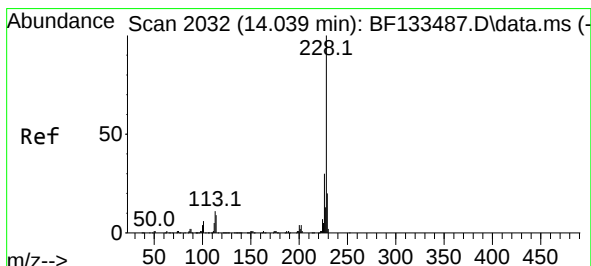
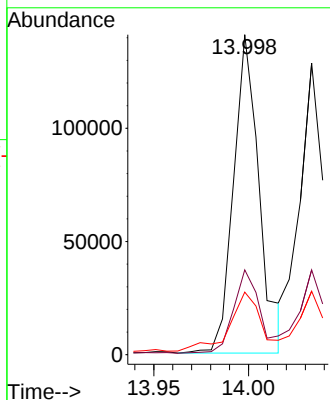
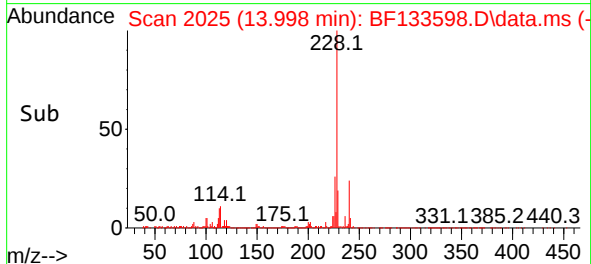
Instrument :
BNA_F
ClientSampleId :
SB05A



Tgt Ion:228 Resp: 132452
Ion Ratio Lower Upper
228 100
226 26.5 22.3 33.5
229 19.6 16.1 24.1

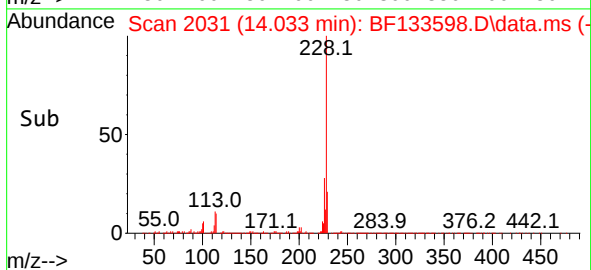
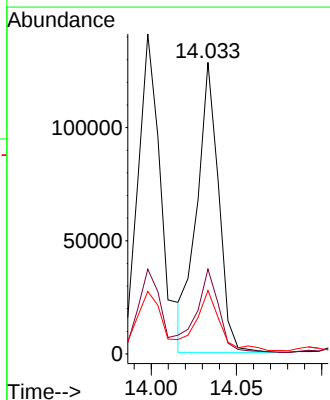
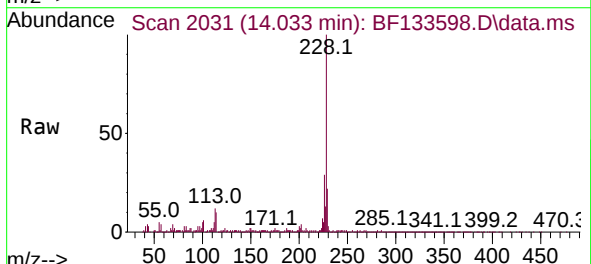
Manual Integrations
APPROVED

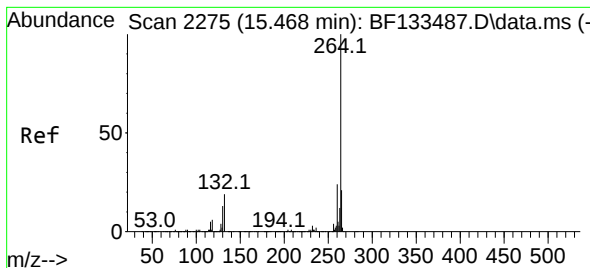
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#83
Chrysene
Concen: 8.017 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

Tgt Ion:228 Resp: 113867
Ion Ratio Lower Upper
228 100
226 29.1 24.1 36.1
229 21.8 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133598.D

Acq: 06 Jun 2023 18:44

Instrument :

BNA_F

ClientSampleId :

SB05A

Tgt Ion:264 Resp: 17281

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.4

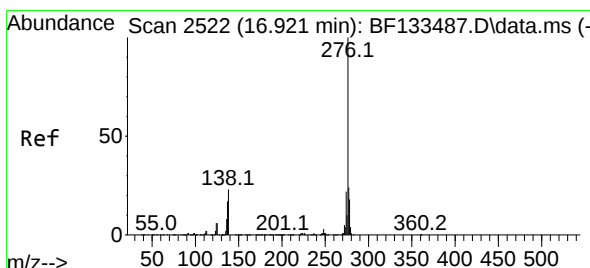
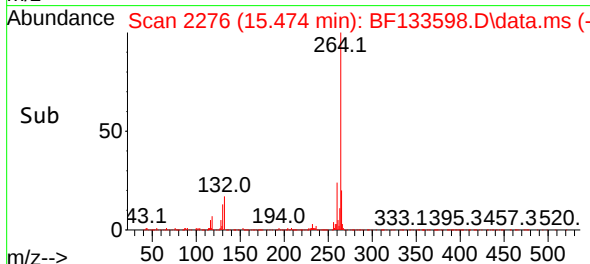
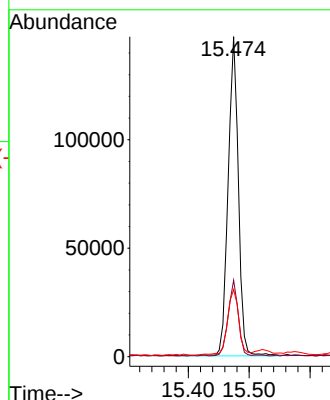
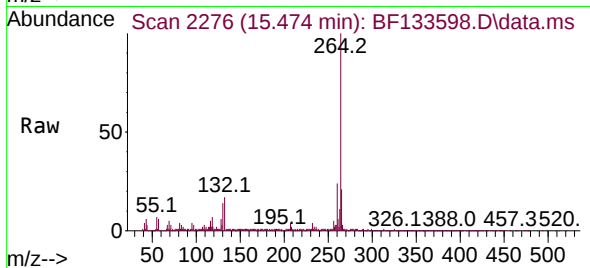
265 20.9 16.8 25.2

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: 4.225 ng

RT: 16.927 min Scan# 2523

Delta R.T. -0.006 min

Lab File: BF133598.D

Acq: 06 Jun 2023 18:44

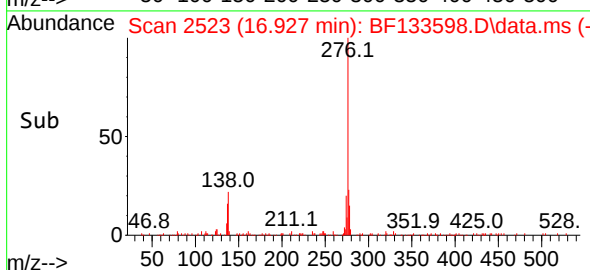
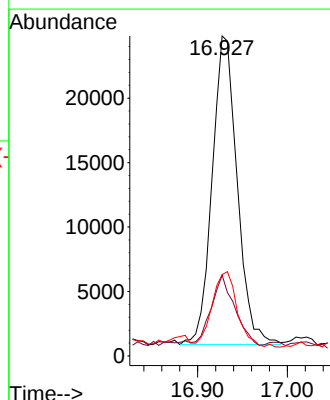
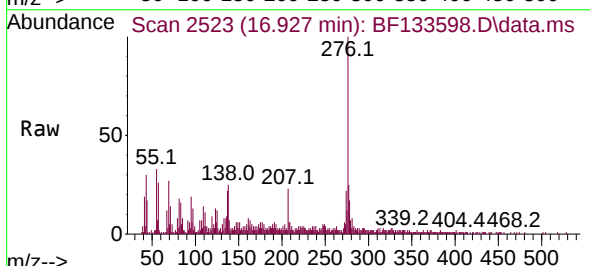
Tgt Ion:276 Resp: 46508

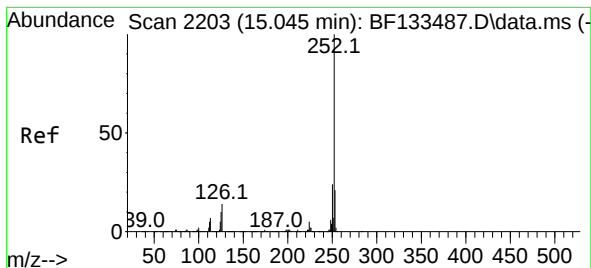
Ion Ratio Lower Upper

276 100

138 21.4 21.4 32.2#

277 23.8 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 10.081 ng m

RT: 15.045 min Scan# 2203

Delta R.T. 0.000 min

Lab File: BF133598.D

Acq: 06 Jun 2023 18:44

Instrument :

BNA_F

ClientSampleId :

SB05A

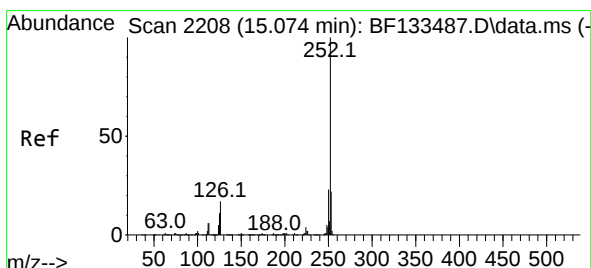
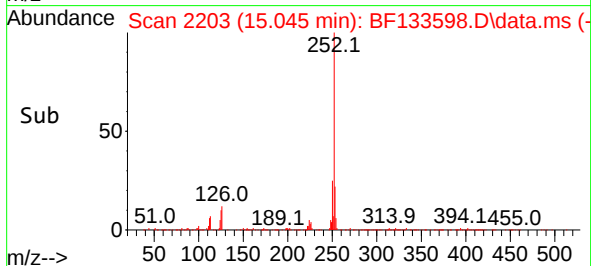
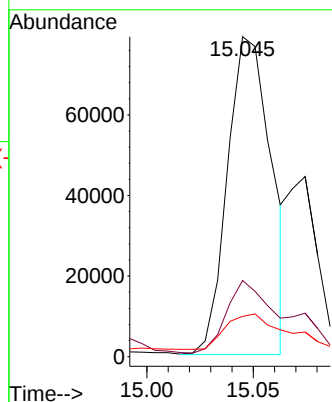
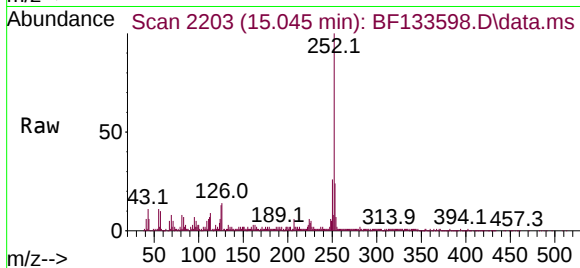
Tgt Ion:252 Resp: 11344
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.2 25.8
 125 12.6 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#89

Benzo(k)fluoranthene

Concen: 3.836 ng m

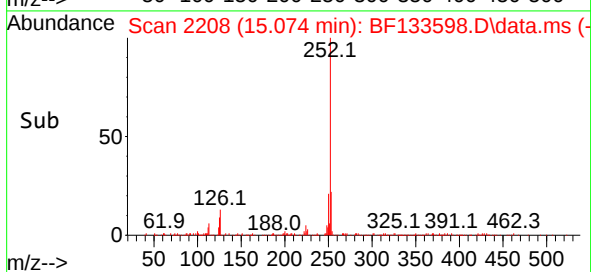
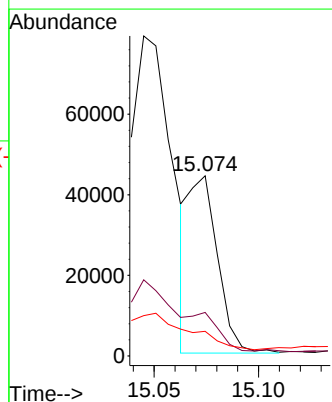
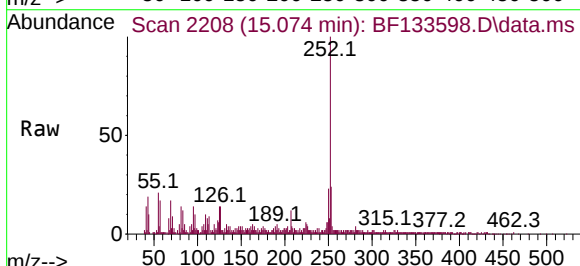
RT: 15.074 min Scan# 2208

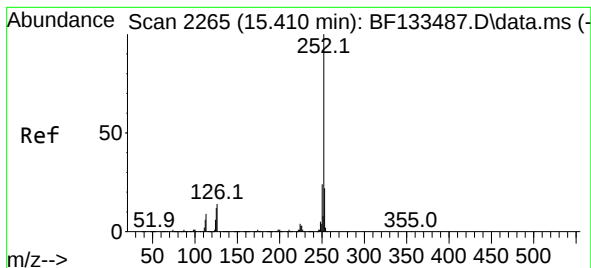
Delta R.T. 0.000 min

Lab File: BF133598.D

Acq: 06 Jun 2023 18:44

Tgt Ion:252 Resp: 42093
 Ion Ratio Lower Upper
 252 100
 253 24.2 17.4 26.2
 125 13.7 8.3 12.5





#90

Benzo(a)pyrene

Concen: 8.301 ng

RT: 15.410 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133598.D

Acq: 06 Jun 2023 18:44

Instrument :

BNA_F

ClientSampleId :

SB05A

Tgt Ion:252 Resp: 84998

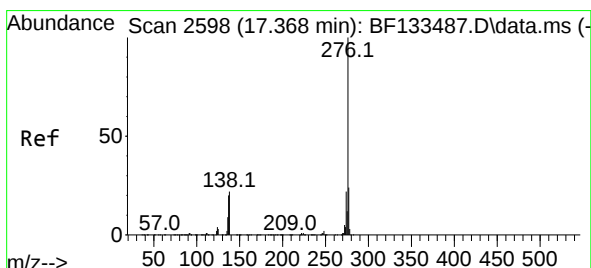
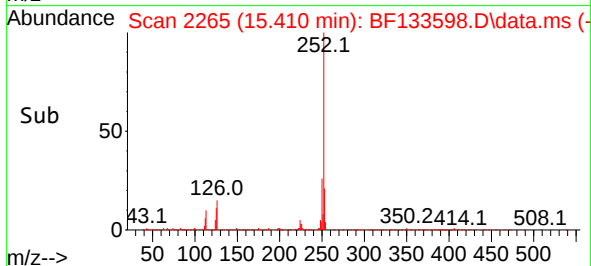
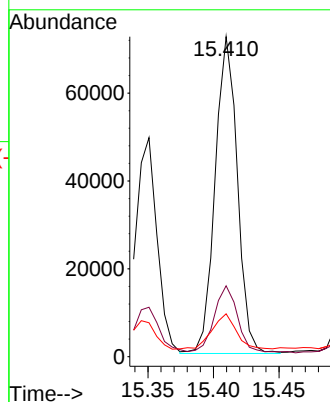
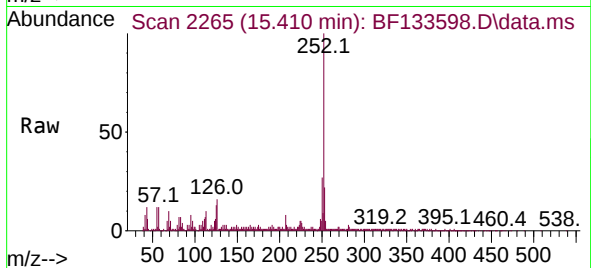
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	13.4	9.4	14.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#92

Benzo(g,h,i)perylene

Concen: 5.218 ng

RT: 17.374 min Scan# 2599

Delta R.T. 0.000 min

Lab File: BF133598.D

Acq: 06 Jun 2023 18:44

Tgt Ion:276 Resp: 46957

Ion	Ratio	Lower	Upper
276	100		
277	21.7	18.8	28.2
138	20.5	17.8	26.6

