

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060723\
 Data File : BF133623.D
 Acq On : 07 Jun 2023 14:15
 Operator : CG\JU
 Sample : 03028-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-060223

Manual Integrations
 APPROVED

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

Quant Time: Jun 07 14:55:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 07 11:27:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	133072	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	487007	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	213245	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	347371	20.000	ng	0.00
76) Chrysene-d12	14.010	240	229980	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	180845	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	664162	83.273	ng	0.00
7) Phenol-d6	6.463	99	795042	80.976	ng	0.00
23) Nitrobenzene-d5	7.398	82	505695	69.331	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	184663	86.873	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	897158	64.935	ng	0.00
79) Terphenyl-d14	12.951	244	796395	61.570	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.386	178	61173	3.477	ng	99
75) Fluoranthene	12.574	202	141965	7.305	ng	99
78) Pyrene	12.804	202	147325	7.528	ng	99
81) Benzo(a)anthracene	13.998	228	65558	4.279	ng	92
83) Chrysene	14.033	228	65065	4.207	ng	97
87) Indeno(1,2,3-cd)pyrene	16.933	276	34014	2.953	ng	96
88) Benzo(b)fluoranthene	15.045	252	72528m	6.159	ng	
89) Benzo(k)fluoranthene	15.068	252	23775m	2.071	ng	
90) Benzo(a)pyrene	15.410	252	52530	4.902	ng	# 92
92) Benzo(g,h,i)perylene	17.374	276	35933	3.816	ng	98

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

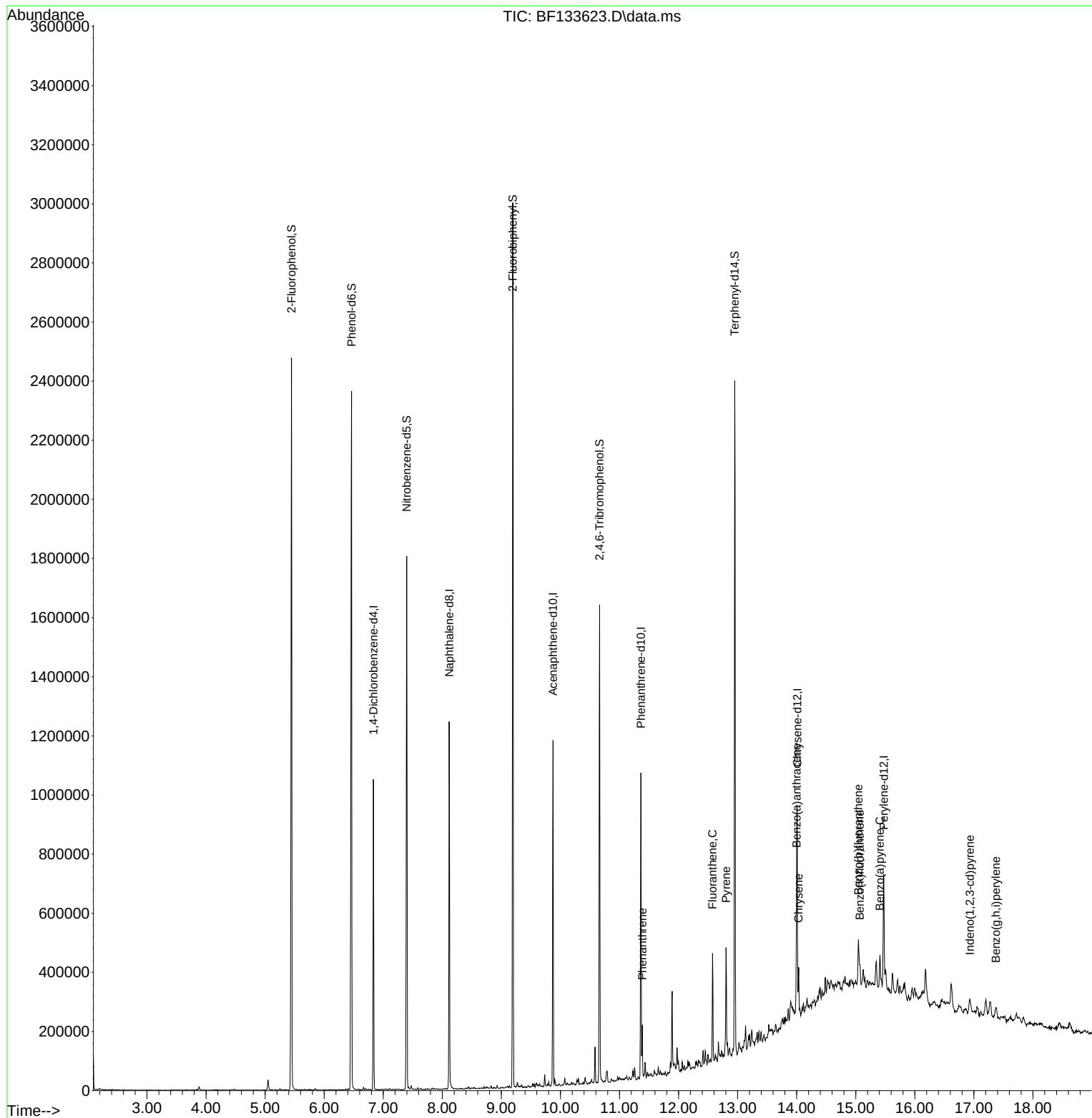
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060723\
Data File : BF133623.D
Acq On : 07 Jun 2023 14:15
Operator : CG\JU
Sample : 03028-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

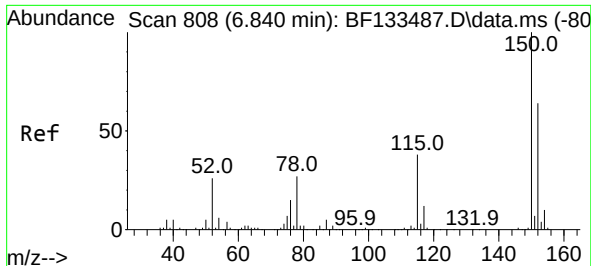
Instrument :
BNA_F
ClientSampleId :
OR-02-060223

Quant Time: Jun 07 14:55:44 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

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APPROVED

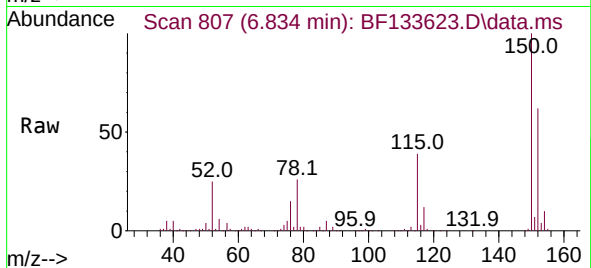
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.005 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

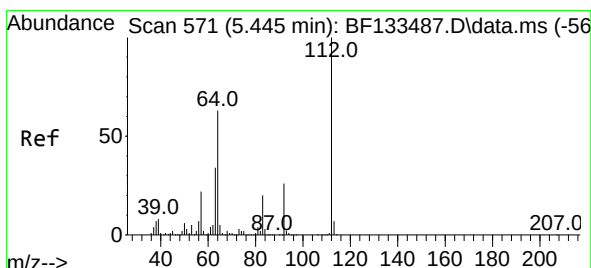
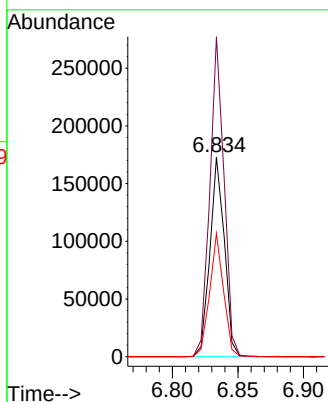
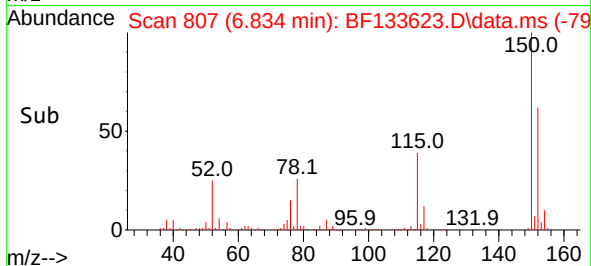
Instrument :
BNA_F
ClientSampleId :
OR-02-060223



Tgt Ion:152 Resp: 133072
Ion Ratio Lower Upper
152 100
150 160.2 124.9 187.3
115 61.7 48.1 72.1

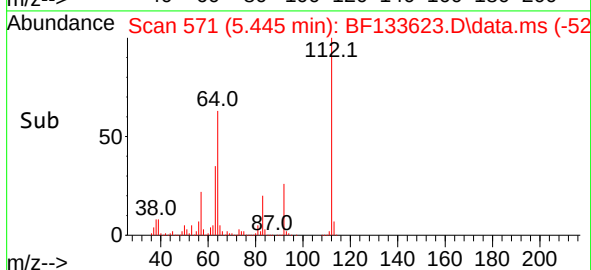
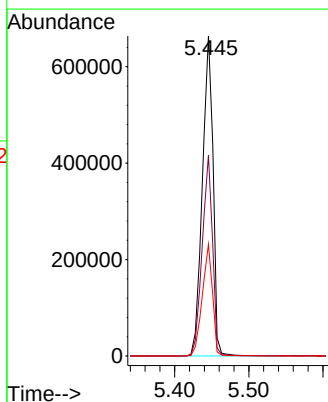
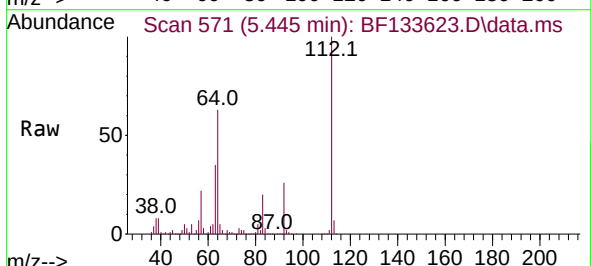
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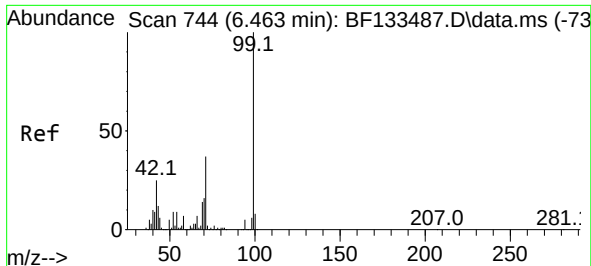
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#5
2-Fluorophenol
Concen: 83.273 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

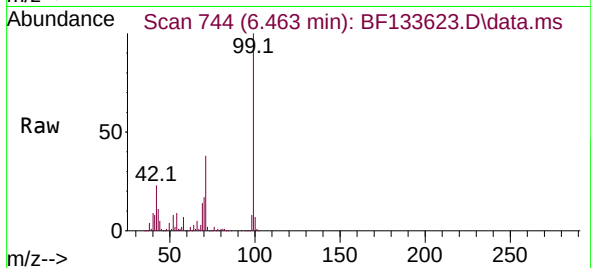
Tgt Ion:112 Resp: 664162
Ion Ratio Lower Upper
112 100
64 62.8 50.1 75.1
63 34.9 27.5 41.3





#7
Phenol-d6
Concen: 80.976 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

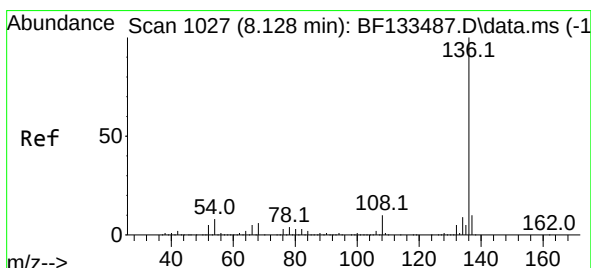
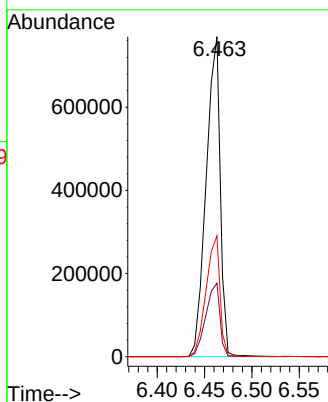
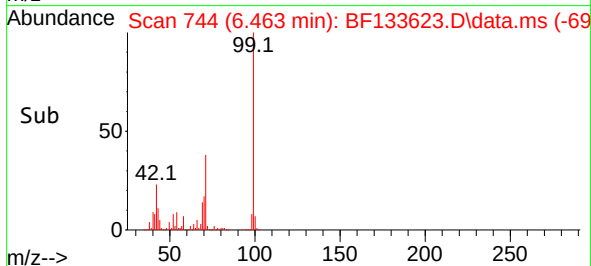
Instrument :
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ClientSampleId :
OR-02-060223



Tgt Ion: 99 Resp: 79504
Ion Ratio Lower Upper
99 100
42 23.0 19.7 29.5
71 37.8 29.8 44.8

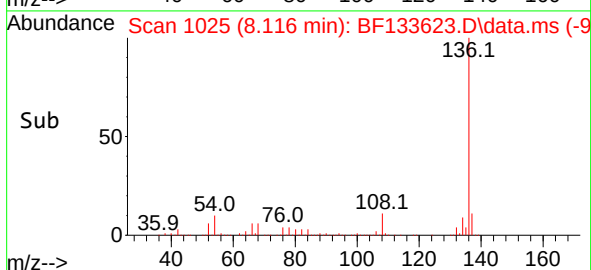
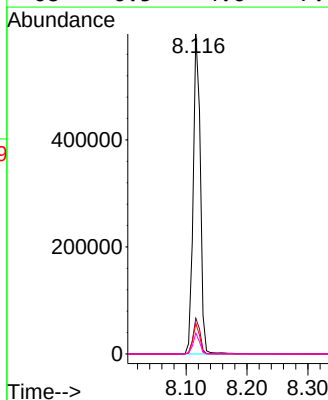
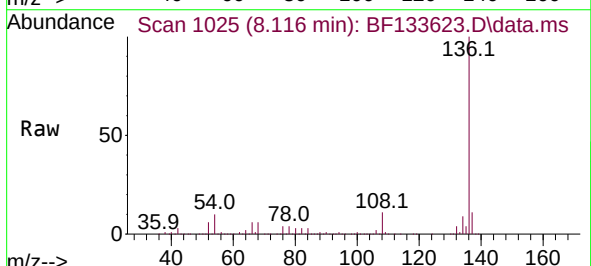
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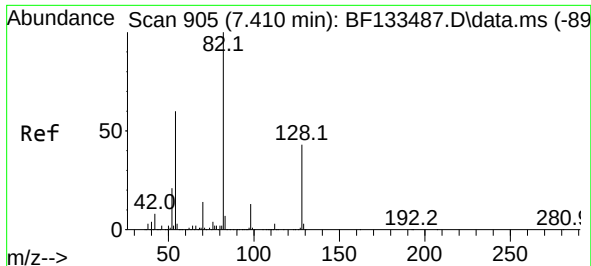
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

Tgt Ion:136 Resp: 487007
Ion Ratio Lower Upper
136 100
137 11.1 8.2 12.4
54 9.5 6.6 10.0
68 6.5 4.6 7.0





#23

Nitrobenzene-d5

Concen: 69.331 ng

RT: 7.398 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133623.D

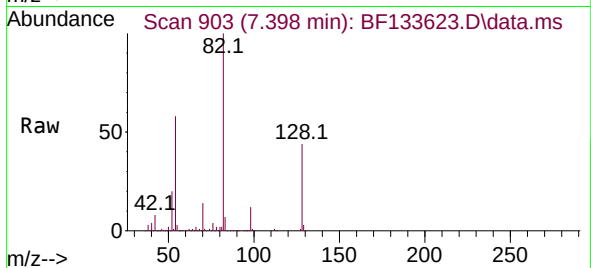
Acq: 07 Jun 2023 14:15

Instrument :

BNA_F

ClientSampleId :

OR-02-060223

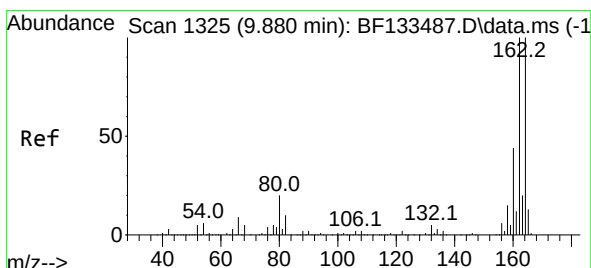
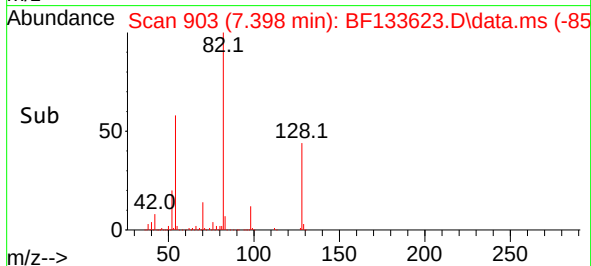
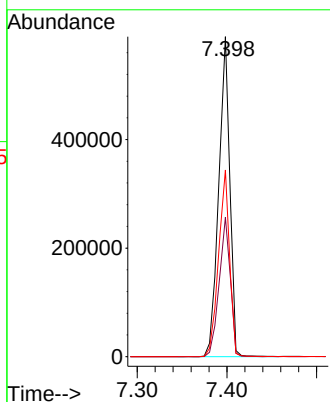


Tgt Ion: 82 Resp: 50569

Ion	Ratio	Lower	Upper
82	100		
128	43.6	34.2	51.4
54	58.4	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

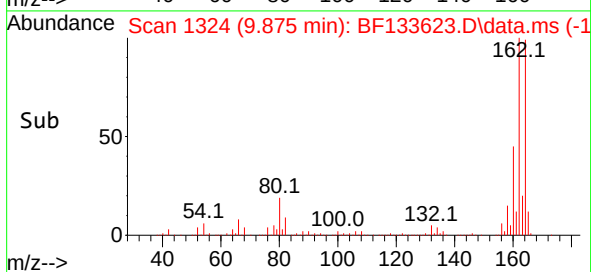
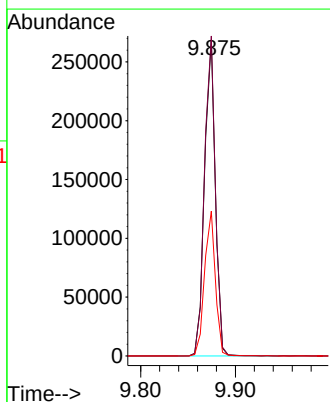
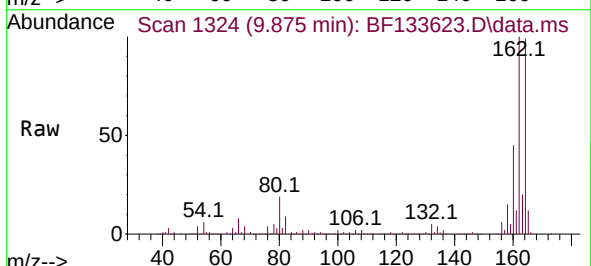
Delta R.T. -0.006 min

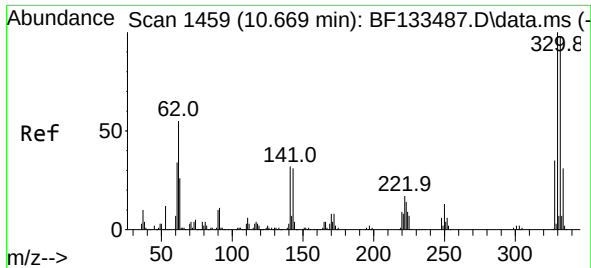
Lab File: BF133623.D

Acq: 07 Jun 2023 14:15

Tgt Ion:164 Resp: 213245

Ion	Ratio	Lower	Upper
164	100		
162	101.3	79.7	119.5
160	45.8	35.4	53.0





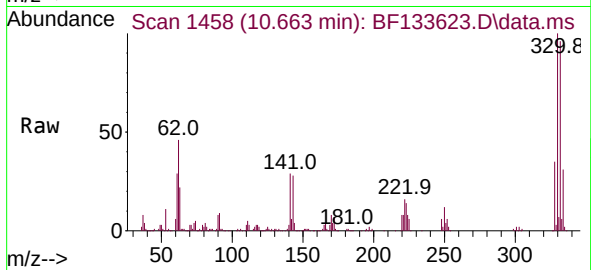
#42
2,4,6-Tribromophenol
Concen: 86.873 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

Instrument :

BNA_F

ClientSampleId :

OR-02-060223



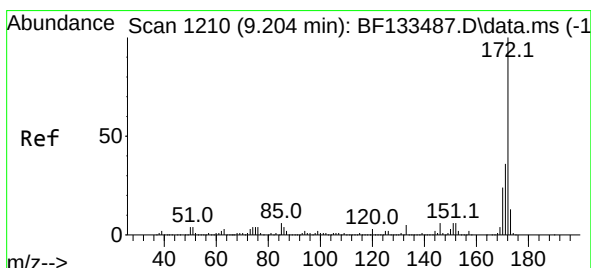
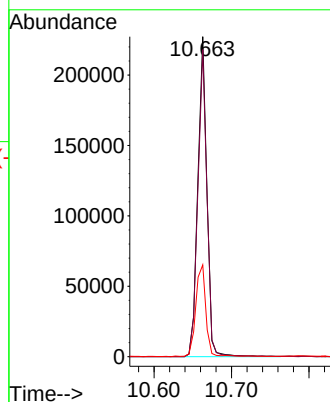
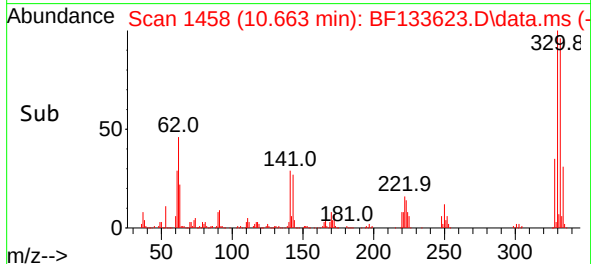
Tgt Ion:330 Resp: 184663
Ion Ratio Lower Upper
330 100
332 96.6 77.8 116.6
141 31.6 26.6 40.0

Manual Integrations

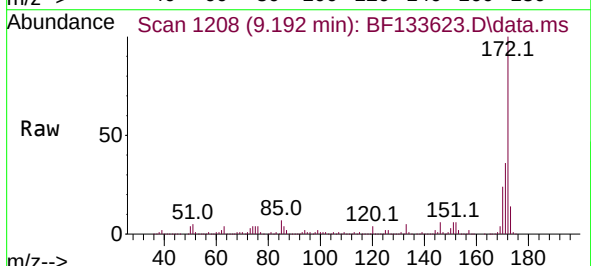
APPROVED

Reviewed By :Yogesh Patel 06/08/2023

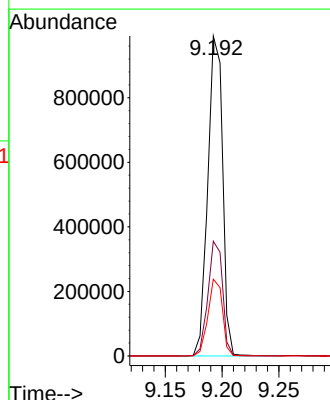
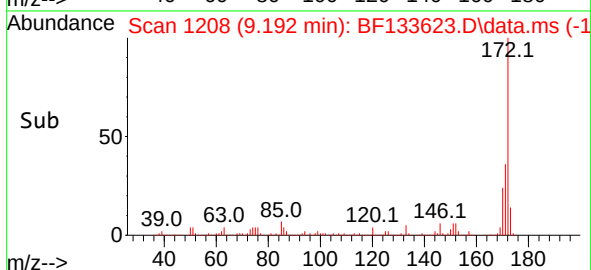
Supervised By :mohammad ahmed 06/08/2023

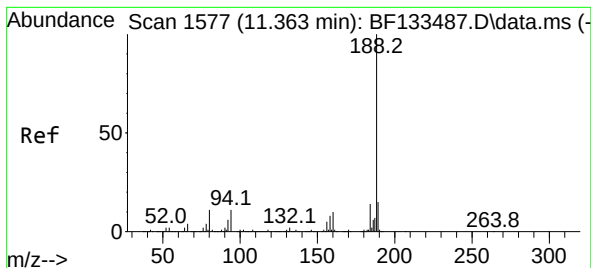


#45
2-Fluorobiphenyl
Concen: 64.935 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15



Tgt Ion:172 Resp: 897158
Ion Ratio Lower Upper
172 100
171 35.9 28.4 42.6
170 24.0 19.3 28.9





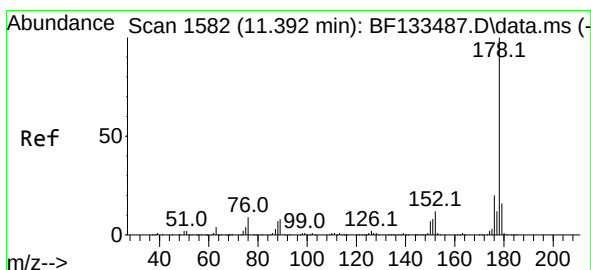
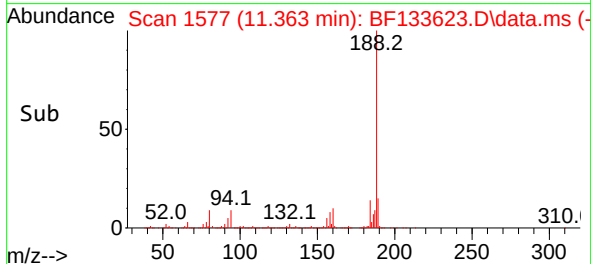
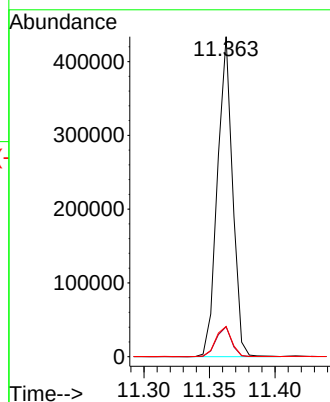
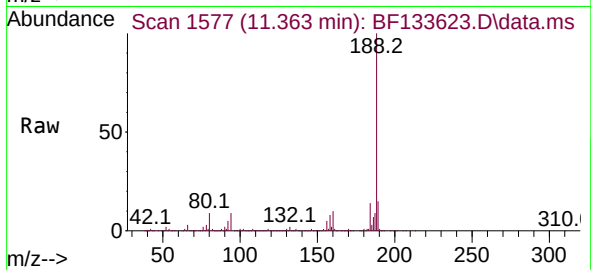
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

Instrument :
BNA_F
ClientSampleId :
OR-02-060223

Tgt Ion:188 Resp: 34737
Ion Ratio Lower Upper
188 100
94 9.3 8.6 12.8
80 9.5 9.2 13.8

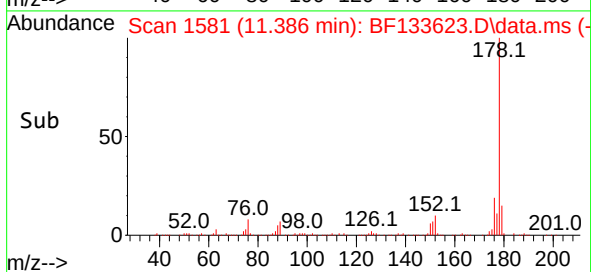
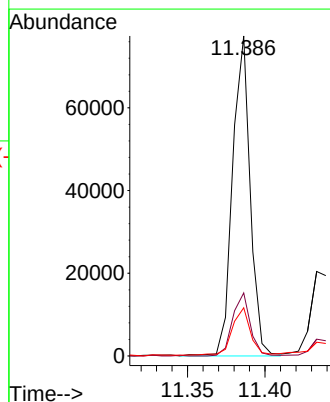
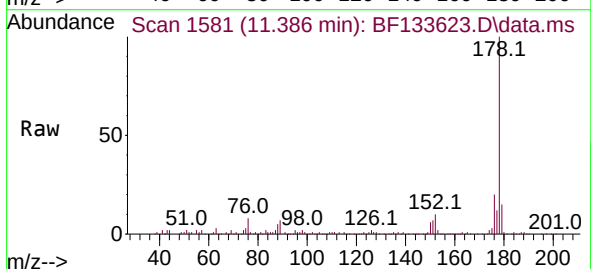
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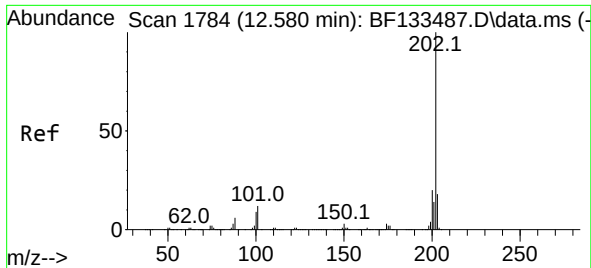
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#71
Phenanthrene
Concen: 3.477 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

Tgt Ion:178 Resp: 61173
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 15.0 12.4 18.6





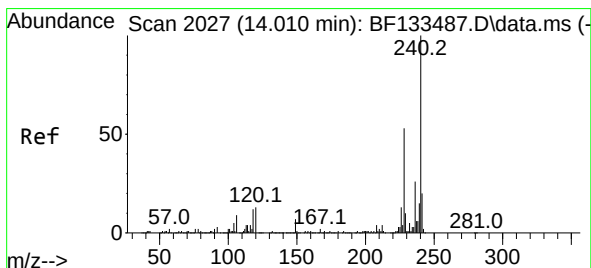
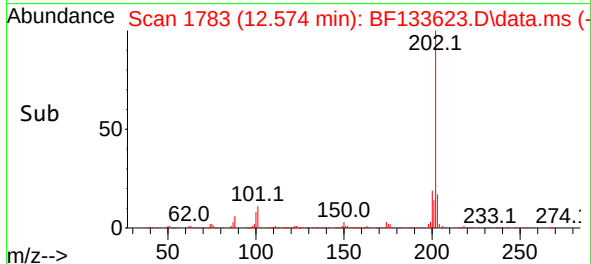
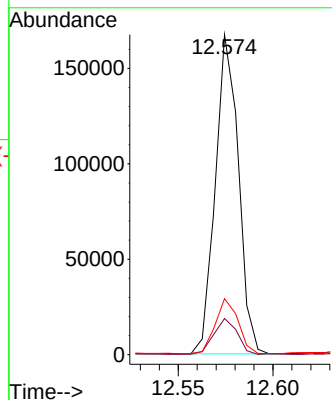
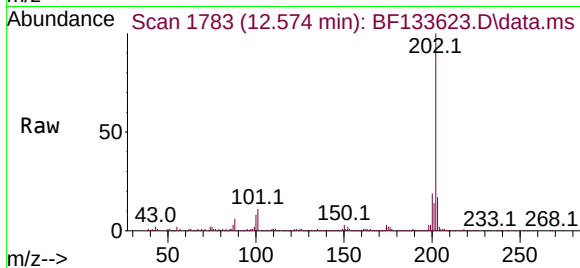
#75
Fluoranthene
Concen: 7.305 ng
RT: 12.574 min Scan# 1783
Delta R.T. -0.012 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

Instrument :
BNA_F
ClientSampleId :
OR-02-060223

Tgt Ion:202 Resp: 141968
Ion Ratio Lower Upper
202 100
101 11.3 0.0 32.2
203 17.5 0.0 37.8

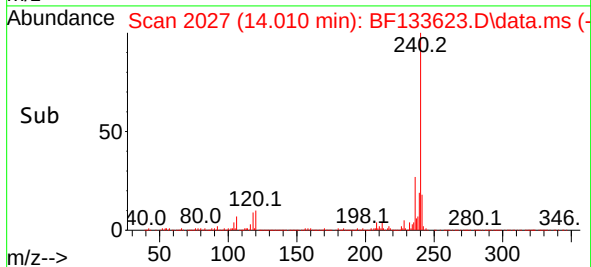
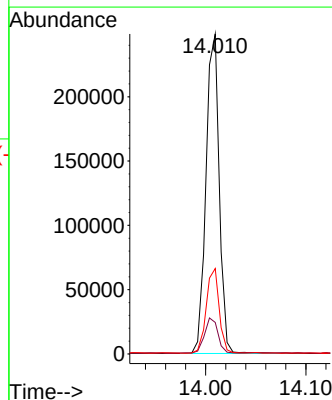
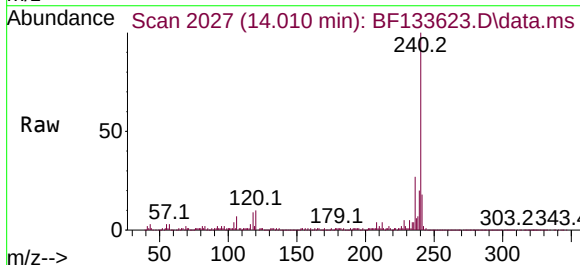
Manual Integrations
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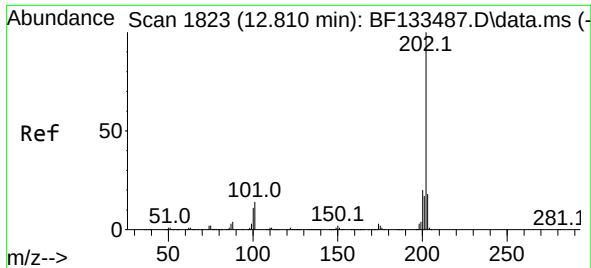
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

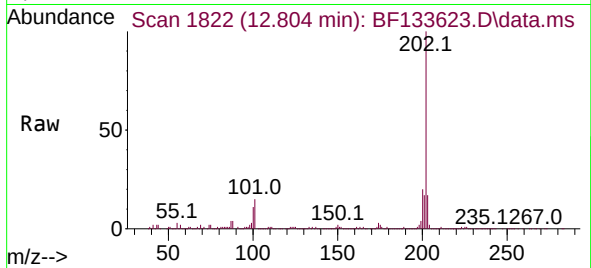
Tgt Ion:240 Resp: 229980
Ion Ratio Lower Upper
240 100
120 9.8 10.3 15.5#
236 26.7 20.5 30.7





#78
Pyrene
Concen: 7.528 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.012 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

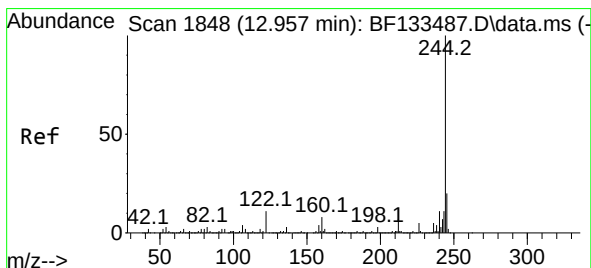
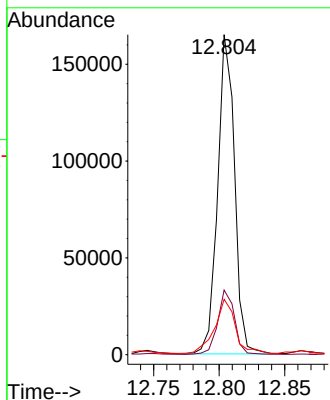
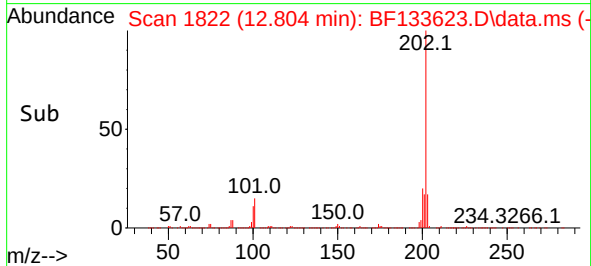
Instrument :
BNA_F
ClientSampleId :
OR-02-060223



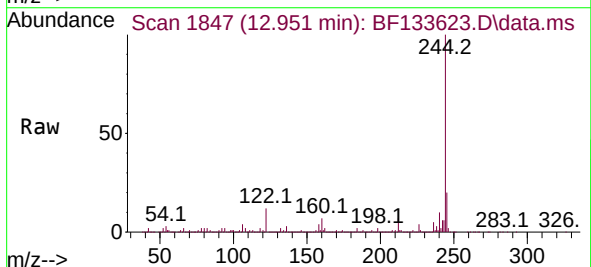
Tgt Ion:202 Resp: 147325
Ion Ratio Lower Upper
202 100
200 20.2 16.3 24.5
203 17.3 14.3 21.5

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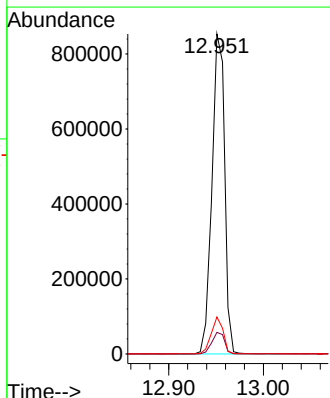
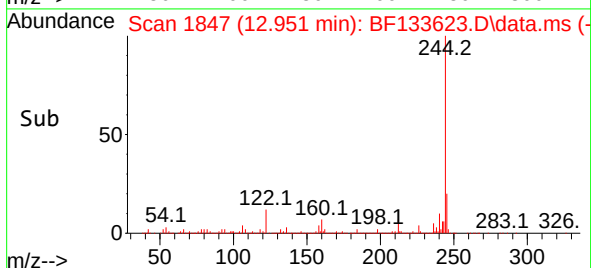
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023

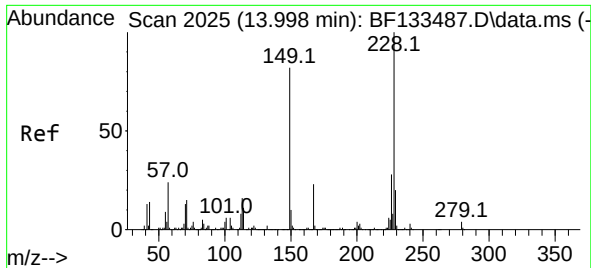


#79
Terphenyl-d14
Concen: 61.570 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15



Tgt Ion:244 Resp: 796395
Ion Ratio Lower Upper
244 100
212 6.8 5.8 8.6
122 11.6 8.5 12.7





#81
Benzo(a)anthracene
Concen: 4.279 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

Instrument :

BNA_F

ClientSampleId :

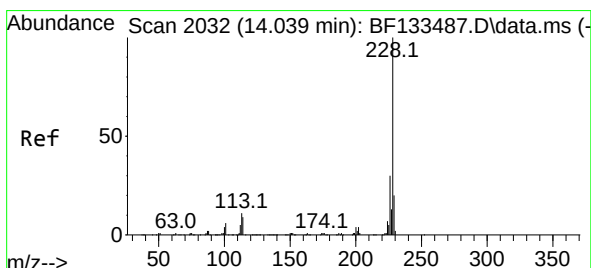
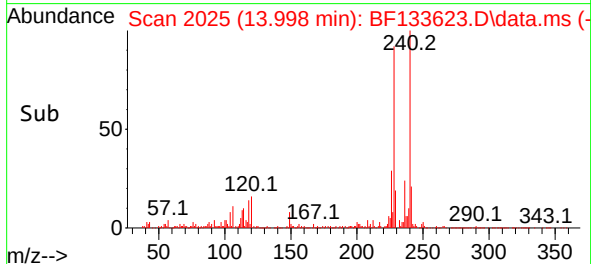
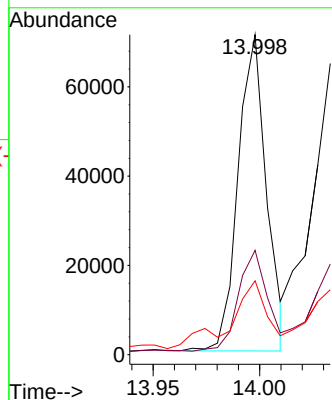
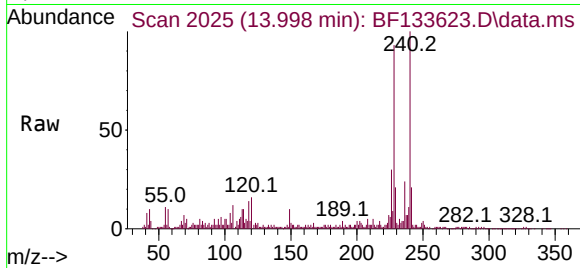
OR-02-060223

Tgt Ion:228 Resp: 65558
Ion Ratio Lower Upper
228 100
226 32.6 22.3 33.5
229 23.1 16.1 24.1

Manual Integrations

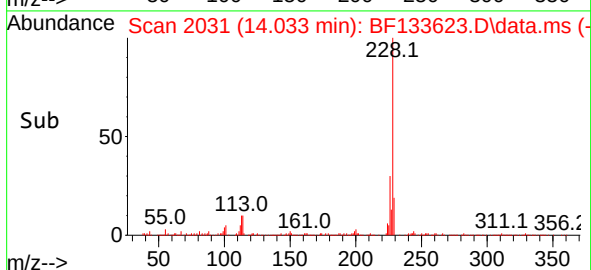
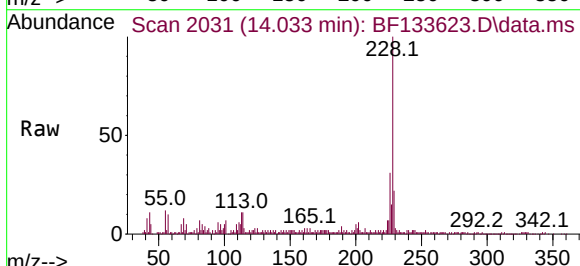
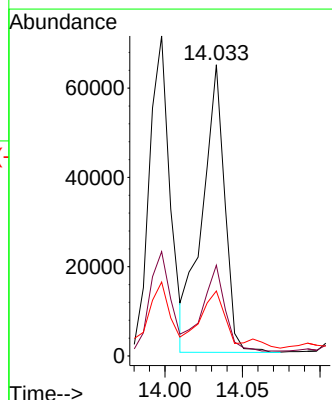
APPROVED

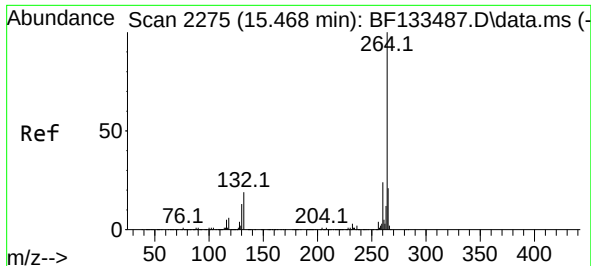
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#83
Chrysene
Concen: 4.207 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

Tgt Ion:228 Resp: 65065
Ion Ratio Lower Upper
228 100
226 31.2 24.1 36.1
229 22.3 15.8 23.8





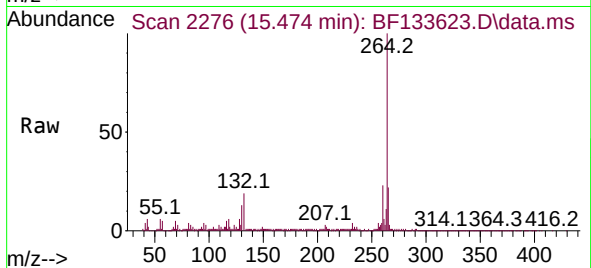
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

Instrument :

BNA_F

ClientSampleId :

OR-02-060223

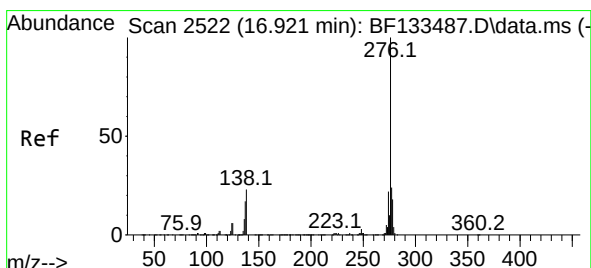
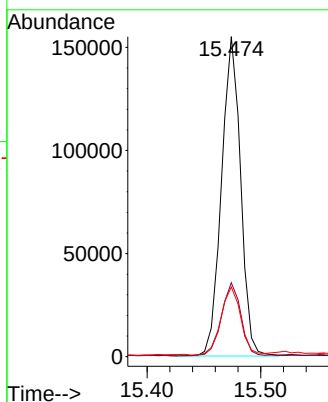
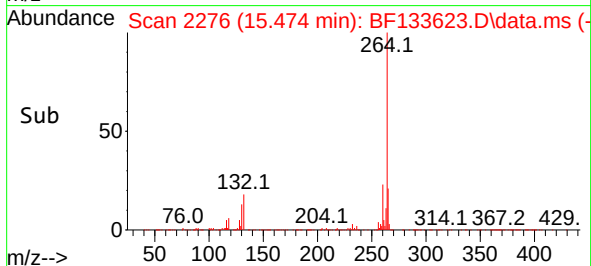


Tgt Ion:264 Resp: 18084
Ion Ratio Lower Upper
264 100
260 23.1 19.0 28.4
265 21.8 16.8 25.2

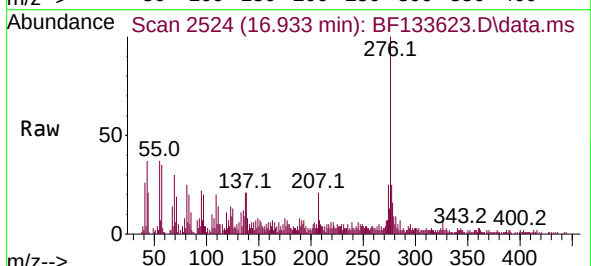
Manual Integrations

APPROVED

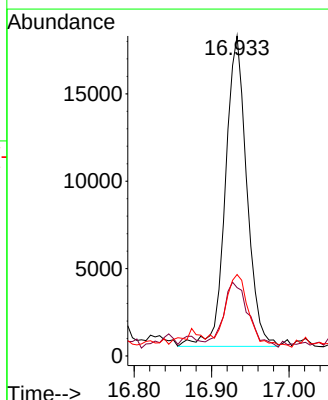
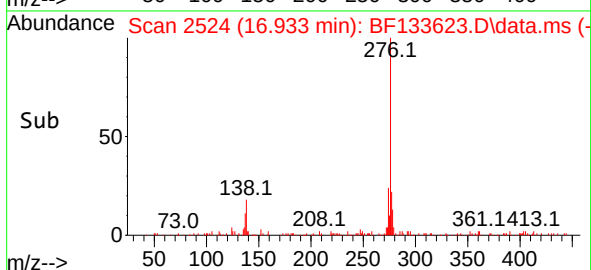
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023

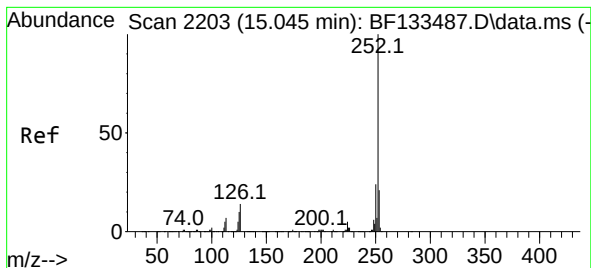


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.953 ng
RT: 16.933 min Scan# 2524
Delta R.T. -0.012 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15



Tgt Ion:276 Resp: 34014
Ion Ratio Lower Upper
276 100
138 24.5 21.4 32.2
277 26.6 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 6.159 ng m

RT: 15.045 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133623.D

Acq: 07 Jun 2023 14:15

Instrument :

BNA_F

ClientSampleId :

OR-02-060223

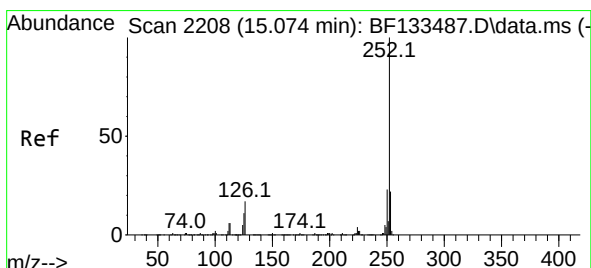
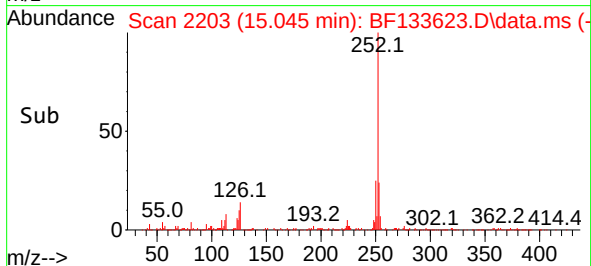
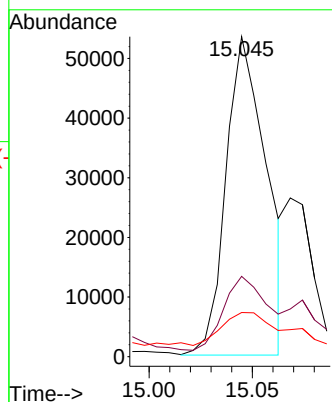
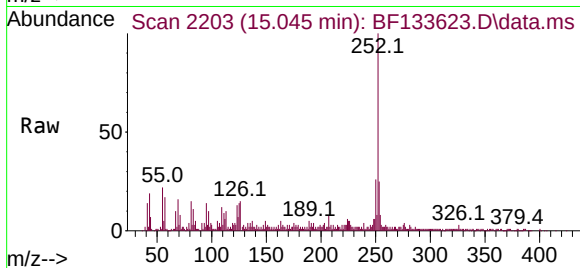
Tgt Ion:252 Resp: 72528
 Ion Ratio Lower Upper
 252 100
 253 25.1 17.2 25.8
 125 13.8 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/08/2023

Supervised By :mohammad ahmed 06/08/2023



#89

Benzo(k)fluoranthene

Concen: 2.071 ng m

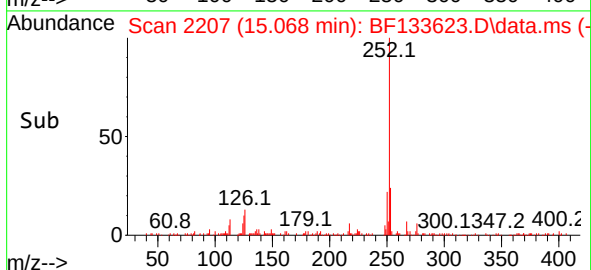
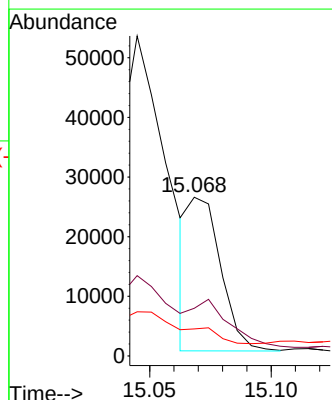
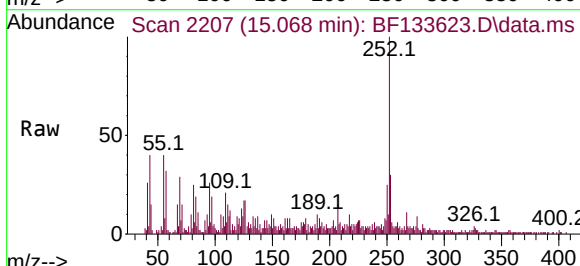
RT: 15.068 min Scan# 2207

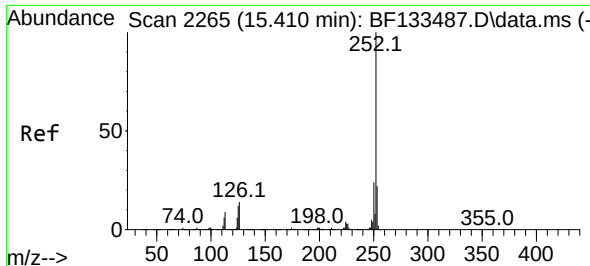
Delta R.T. -0.018 min

Lab File: BF133623.D

Acq: 07 Jun 2023 14:15

Tgt Ion:252 Resp: 23775
 Ion Ratio Lower Upper
 252 100
 253 30.0 17.4 26.2#
 125 17.1 8.3 12.5#





#90
Benzo(a)pyrene
Concen: 4.902 ng
RT: 15.410 min Scan# 2265
Delta R.T. -0.006 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

Instrument :

BNA_F

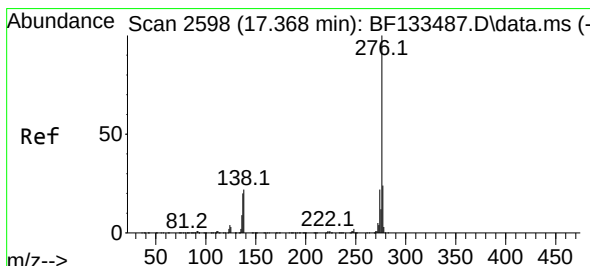
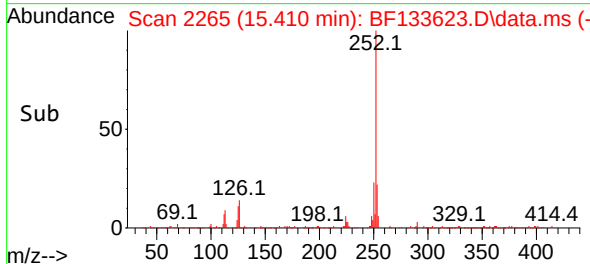
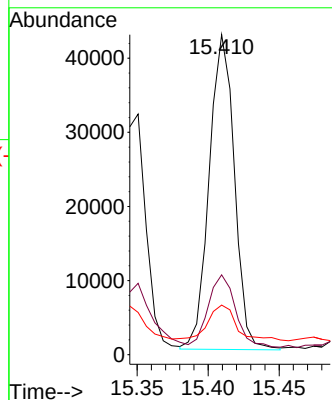
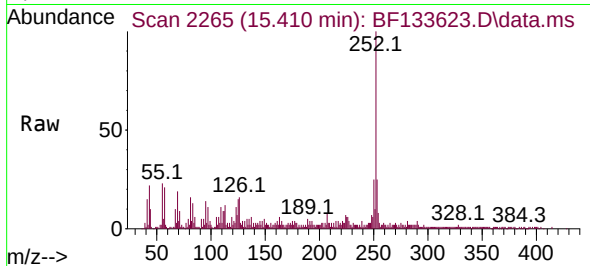
ClientSampleId :

OR-02-060223

Tgt Ion:252 Resp: 52530
Ion Ratio Lower Upper
252 100
253 24.9 17.4 26.0
125 15.5 9.4 14.0

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 3.816 ng
RT: 17.374 min Scan# 2599
Delta R.T. -0.018 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

Tgt Ion:276 Resp: 35933
Ion Ratio Lower Upper
276 100
277 25.2 18.8 28.2
138 22.2 17.8 26.6

