

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
 Data File : BF133640.D
 Acq On : 08 Jun 2023 14:00
 Operator : CG\JU
 Sample : 03045-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAT-1-060523

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/09/2023
 Supervised By :mohammad ahmed 06/13/2023

Quant Time: Jun 08 14:26:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 08 11:43:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	111465	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	403811	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	184057	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	295434	20.000	ng	0.00
76) Chrysene-d12	14.010	240	198918	20.000	ng	0.00
86) Perylene-d12	15.480	264	151502	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	223046	33.387	ng	0.00
7) Phenol-d6	6.457	99	262854	31.962	ng	-0.01
23) Nitrobenzene-d5	7.393	82	168759	27.904	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	56738	30.925	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	333504	27.966	ng	0.00
79) Terphenyl-d14	12.951	244	281031	25.119	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.575	202	84221	5.096	ng	98
78) Pyrene	12.804	202	90144	5.325	ng	97
81) Benzo(a)anthracene	13.998	228	44635m	3.368	ng	
83) Chrysene	14.033	228	43324	3.239	ng	96
87) Indeno(1,2,3-cd)pyrene	16.939	276	23055	2.389	ng	100
88) Benzo(b)fluoranthene	15.051	252	51297m	5.200	ng	
90) Benzo(a)pyrene	15.416	252	36001	4.010	ng	# 89
92) Benzo(g,h,i)perylene	17.386	276	26870	3.406	ng	95

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

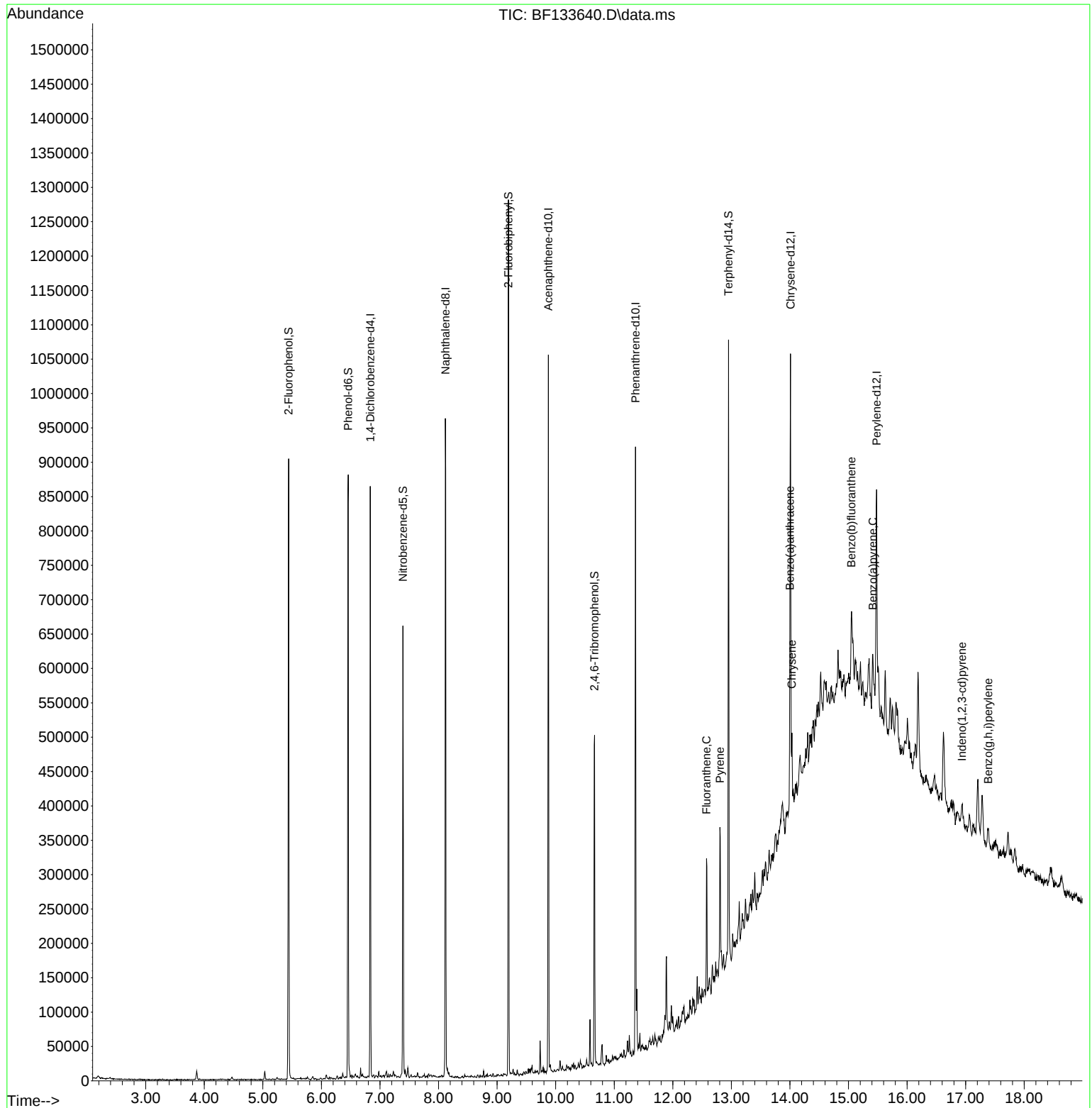
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
Data File : BF133640.D
Acq On : 08 Jun 2023 14:00
Operator : CG\JU
Sample : 03045-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

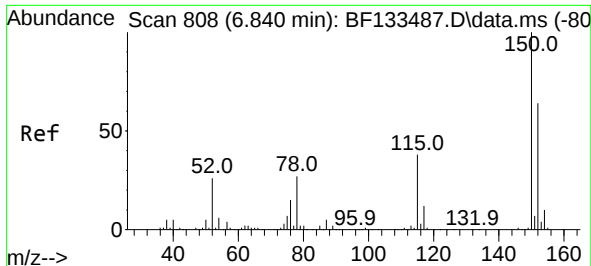
Instrument :
BNA_F
ClientSampleId :
PAT-1-060523

Quant Time: Jun 08 14:26:07 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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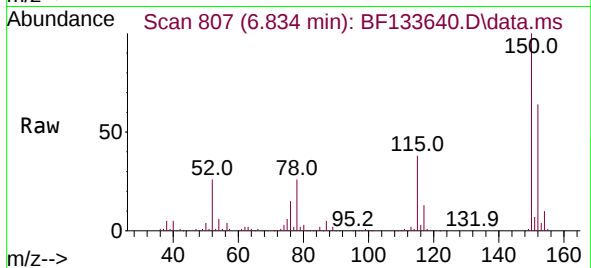
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.005 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

Instrument :

BNA_F

ClientSampleId :

PAT-1-060523

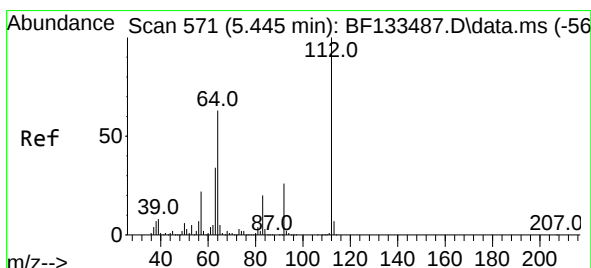
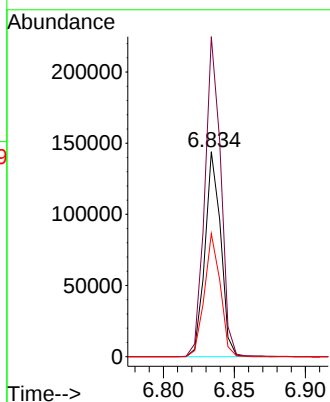
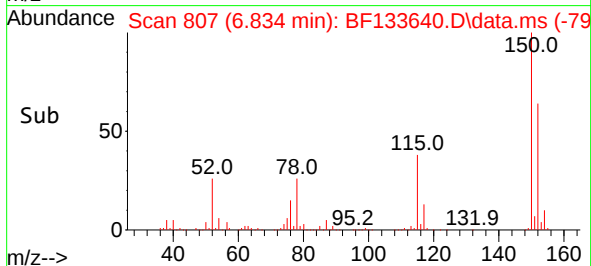


Tgt Ion:152 Resp: 11146
Ion Ratio Lower Upper
152 100
150 156.1 124.9 187.3
115 60.0 48.1 72.1

Manual Integrations

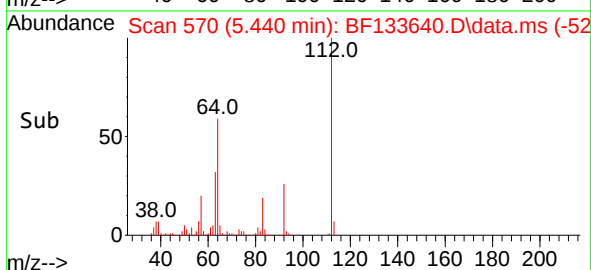
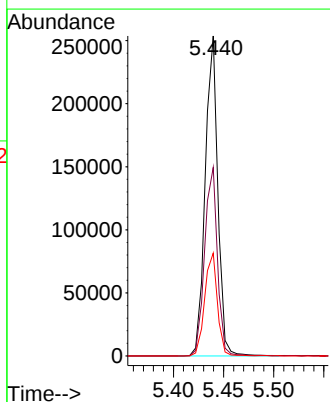
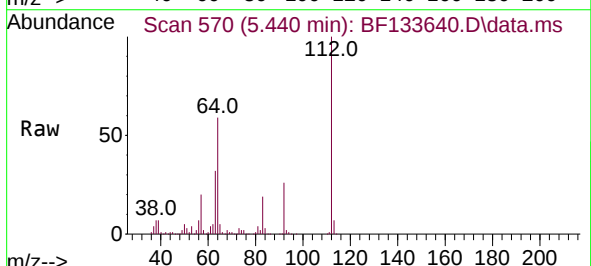
APPROVED

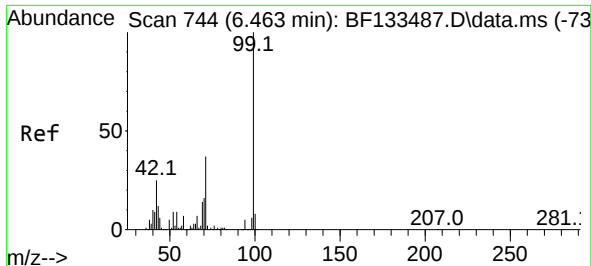
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#5
2-Fluorophenol
Concen: 33.387 ng
RT: 5.440 min Scan# 570
Delta R.T. -0.006 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

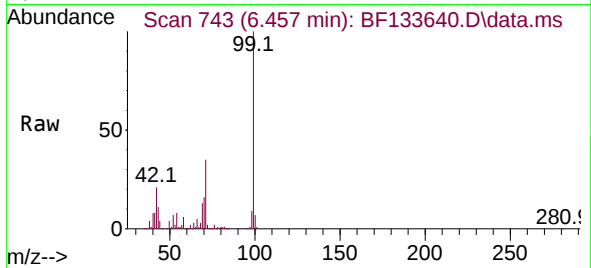
Tgt Ion:112 Resp: 223046
Ion Ratio Lower Upper
112 100
64 58.9 50.1 75.1
63 32.2 27.5 41.3





#7
Phenol-d6
Concen: 31.962 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.012 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

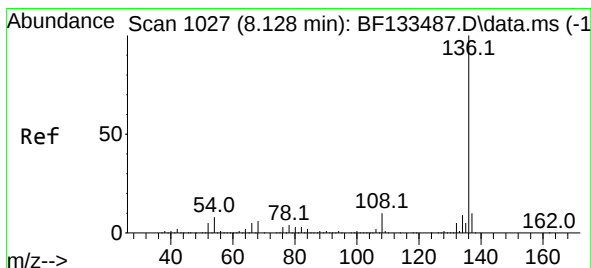
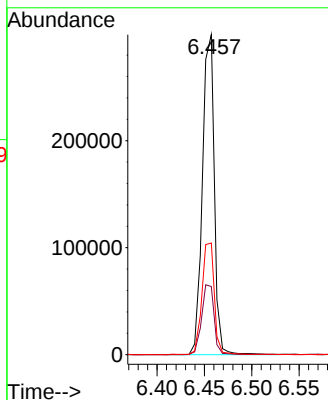
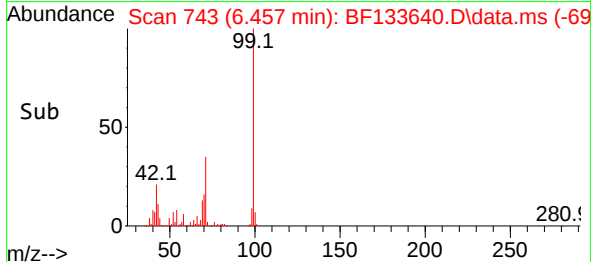
Instrument :
BNA_F
ClientSampleId :
PAT-1-060523



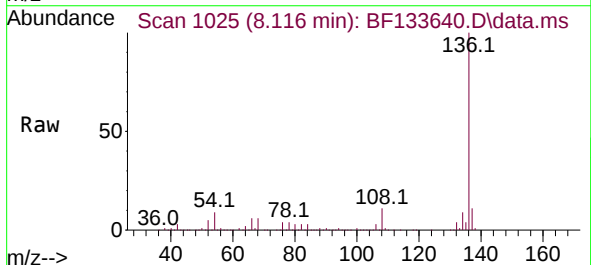
Tgt Ion: 99 Resp: 262854
Ion Ratio Lower Upper
99 100
42 21.3 19.7 29.5
71 34.9 29.8 44.8

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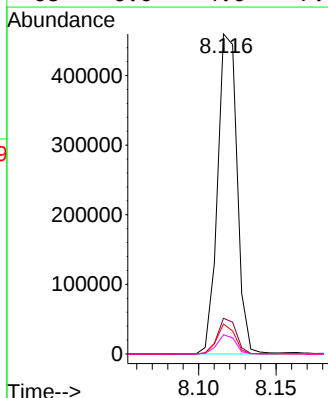
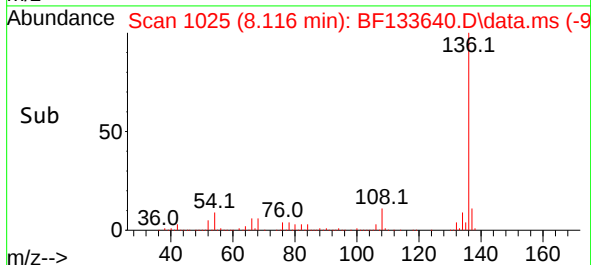
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023

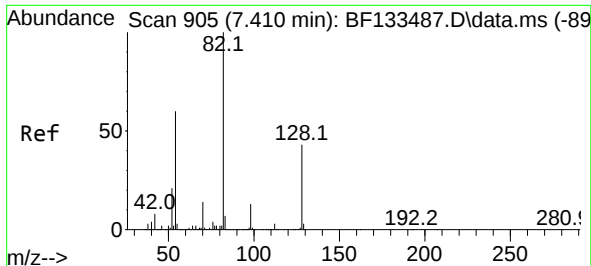


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00



Tgt Ion:136 Resp: 403811
Ion Ratio Lower Upper
136 100
137 11.1 8.2 12.4
54 9.4 6.6 10.0
68 6.0 4.6 7.0





#23

Nitrobenzene-d5

Concen: 27.904 ng

RT: 7.393 min Scan# 905

Delta R.T. -0.012 min

Lab File: BF133640.D

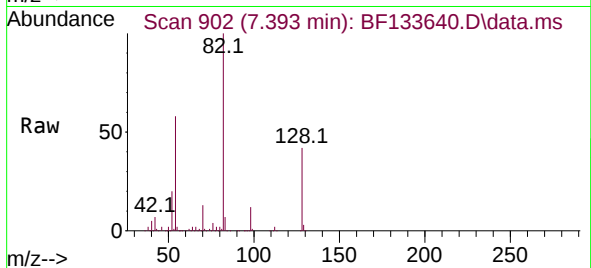
Acq: 08 Jun 2023 14:00

Instrument :

BNA_F

ClientSampleId :

PAT-1-060523



Tgt Ion: 82 Resp: 168759

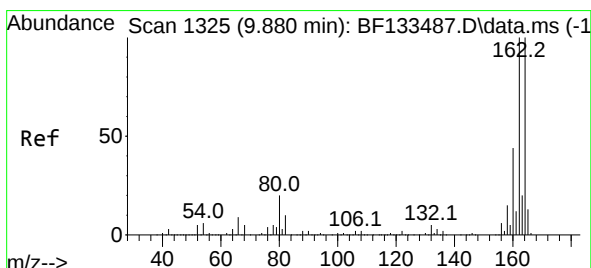
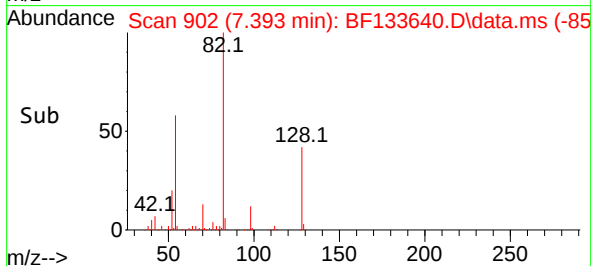
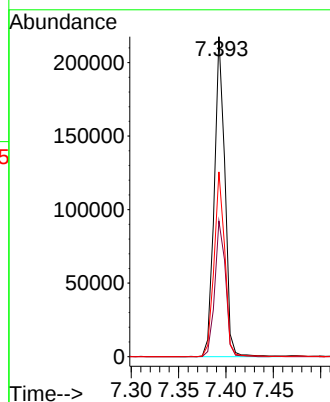
Ion	Ratio	Lower	Upper
82	100		
128	42.4	34.2	51.4
54	57.8	48.2	72.4

Manual Integrations

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Reviewed By :Yogesh Patel 06/09/2023

Supervised By :mohammad ahmed 06/13/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1324

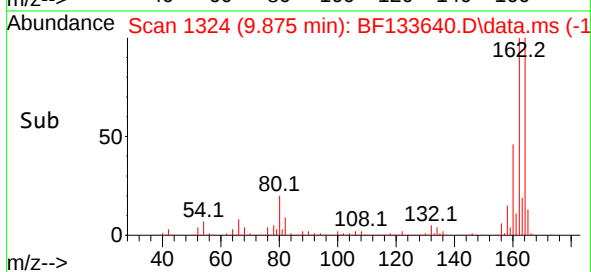
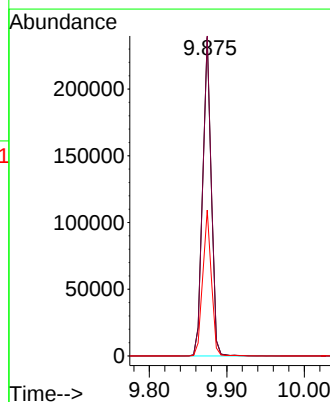
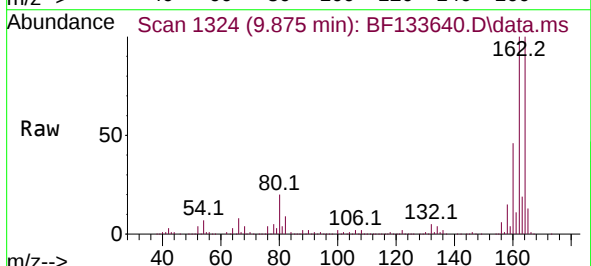
Delta R.T. -0.006 min

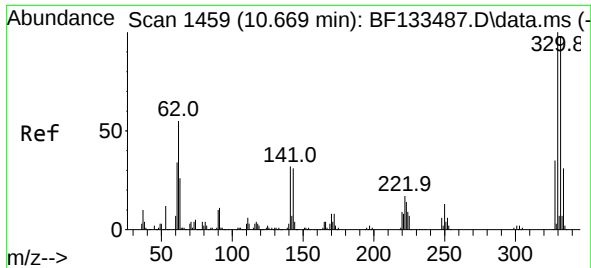
Lab File: BF133640.D

Acq: 08 Jun 2023 14:00

Tgt Ion:164 Resp: 184057

Ion	Ratio	Lower	Upper
164	100		
162	100.4	79.7	119.5
160	45.8	35.4	53.0





#42
2,4,6-Tribromophenol
Concen: 30.925 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

Instrument :

BNA_F

ClientSampleId :

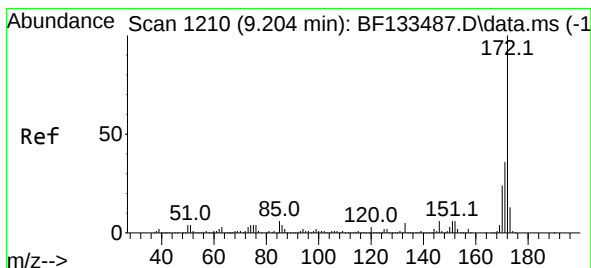
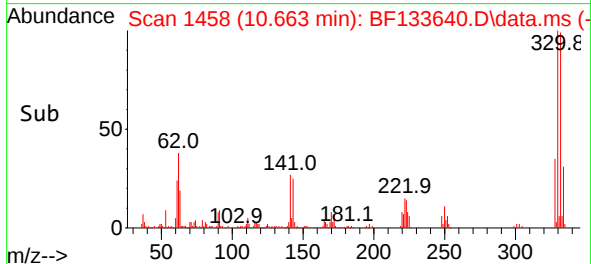
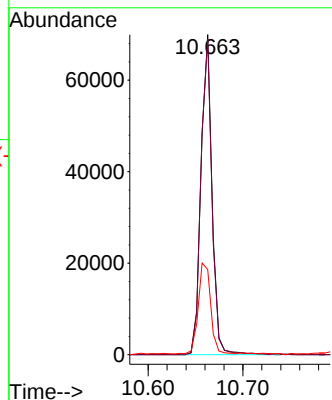
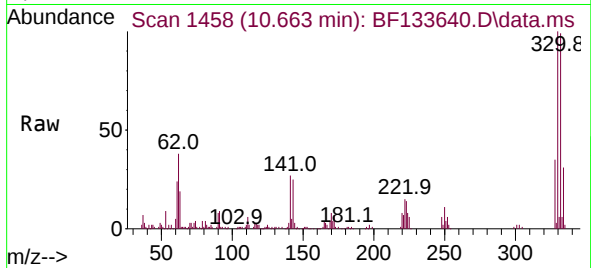
PAT-1-060523

Tgt Ion:330 Resp: 56738
Ion Ratio Lower Upper
330 100
332 98.4 77.8 116.6
141 31.7 26.6 40.0

Manual Integrations

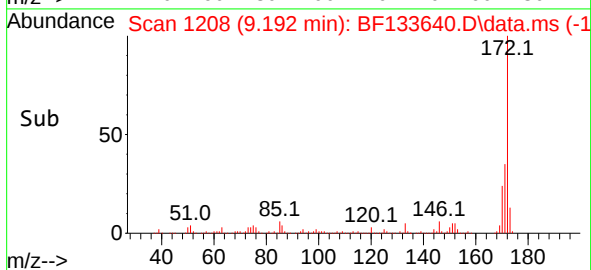
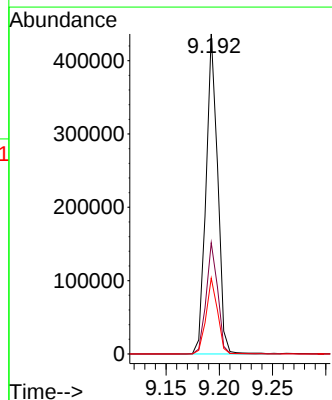
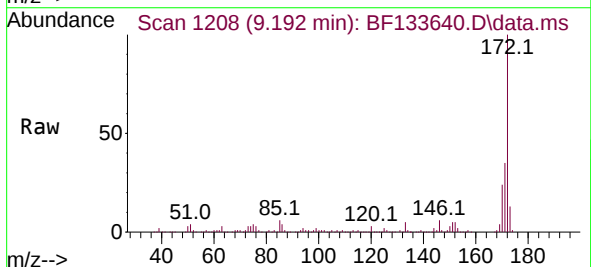
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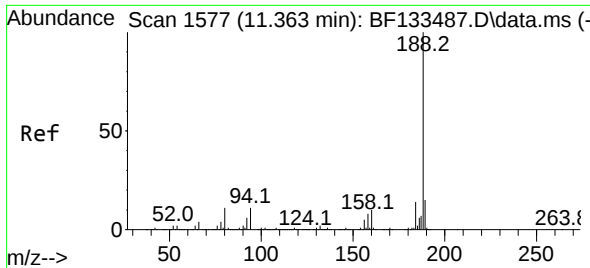
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#45
2-Fluorobiphenyl
Concen: 27.966 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

Tgt Ion:172 Resp: 333504
Ion Ratio Lower Upper
172 100
171 34.7 28.4 42.6
170 23.7 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: BF133640.D
Acq: 08 Jun 2023 14:00

Instrument :

BNA_F

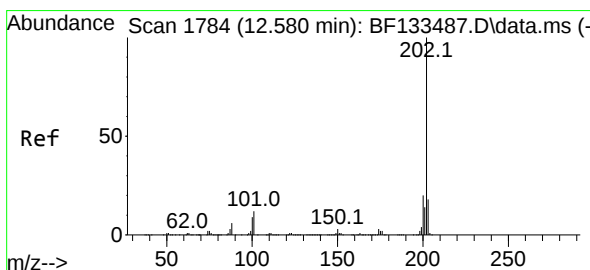
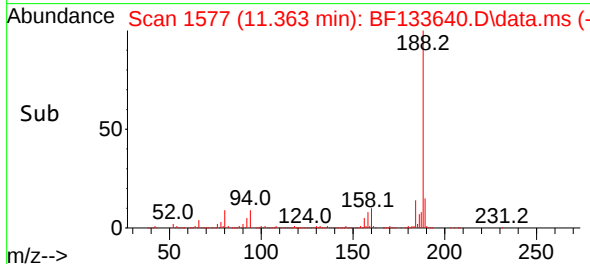
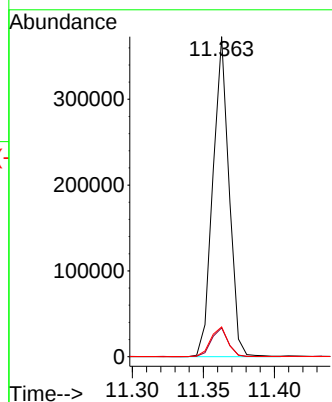
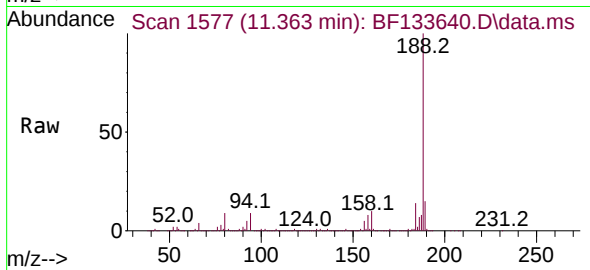
ClientSampleId :

PAT-1-060523

Tgt Ion:188 Resp: 295434
Ion Ratio Lower Upper
188 100
94 9.0 8.6 12.8
80 9.3 9.2 13.8

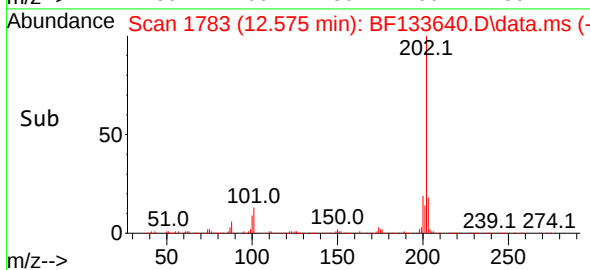
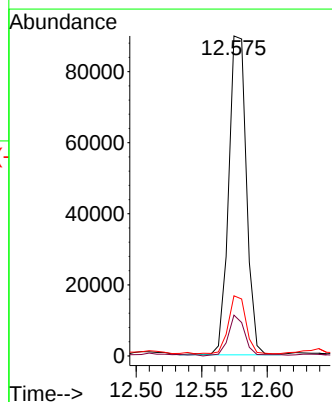
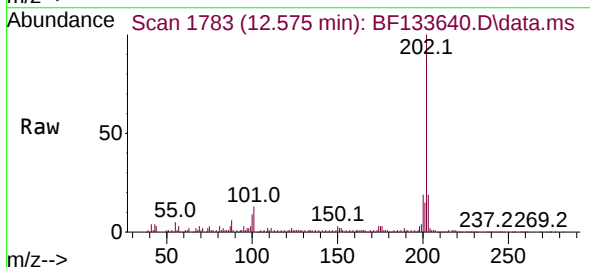
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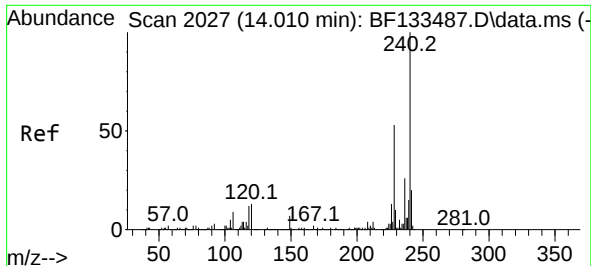
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#75
Fluoranthene
Concen: 5.096 ng
RT: 12.575 min Scan# 1783
Delta R.T. -0.012 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

Tgt Ion:202 Resp: 84221
Ion Ratio Lower Upper
202 100
101 12.7 0.0 32.2
203 18.8 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

Instrument :

BNA_F

ClientSampleId :

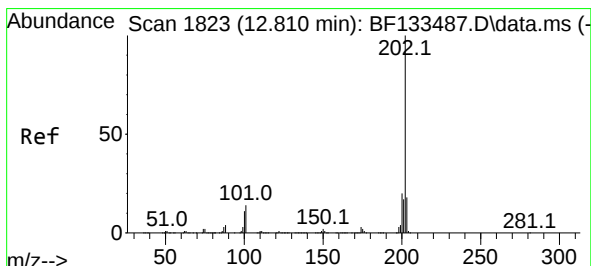
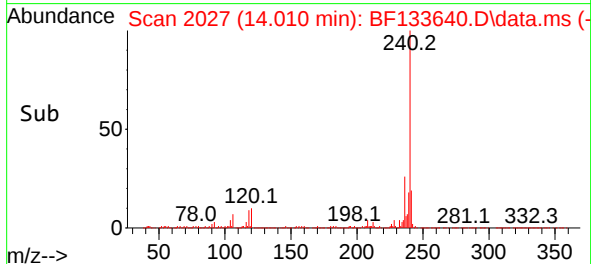
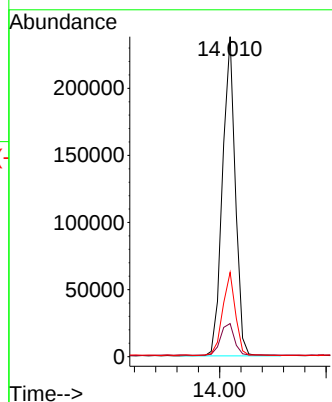
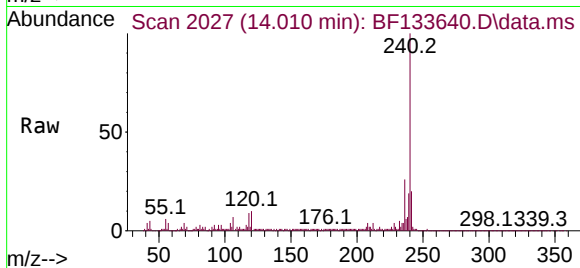
PAT-1-060523

Tgt Ion:240 Resp: 198918
Ion Ratio Lower Upper
240 100
120 10.3 10.3 15.5
236 26.3 20.5 30.7

Manual Integrations

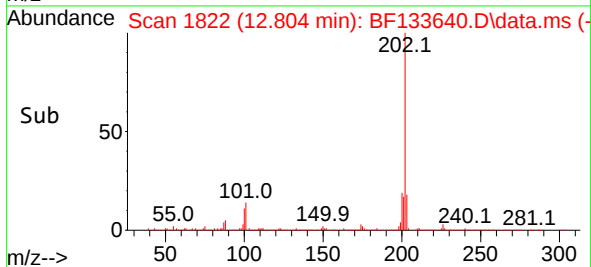
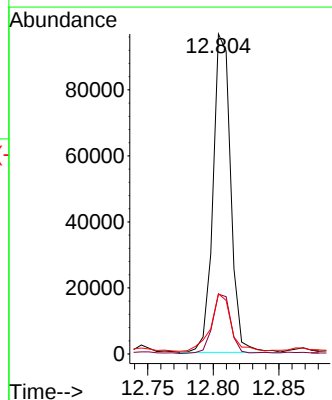
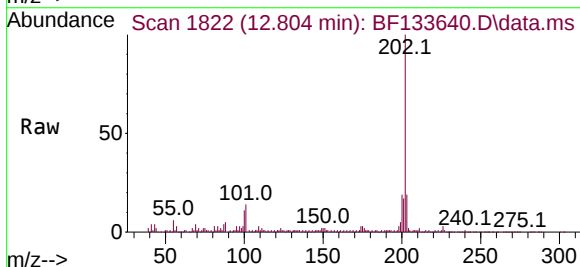
APPROVED

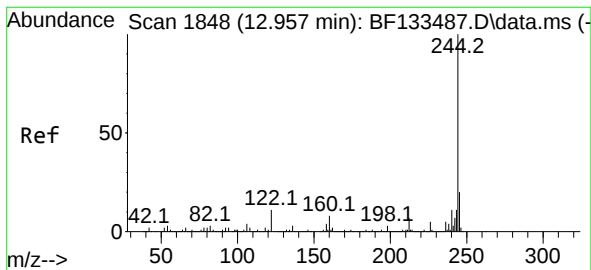
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#78
Pyrene
Concen: 5.325 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.012 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

Tgt Ion:202 Resp: 90144
Ion Ratio Lower Upper
202 100
200 18.7 16.3 24.5
203 18.8 14.3 21.5





#79

Terphenyl-d14

Concen: 25.119 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF133640.D

Acq: 08 Jun 2023 14:00

Instrument :

BNA_F

ClientSampleId :

PAT-1-060523

Tgt Ion:244 Resp: 28103

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

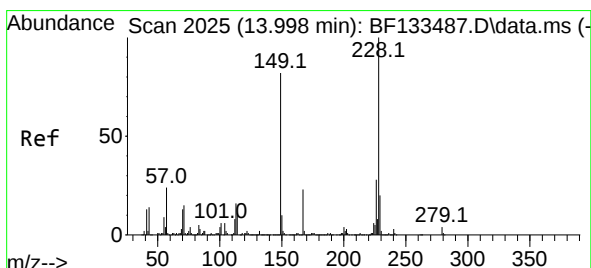
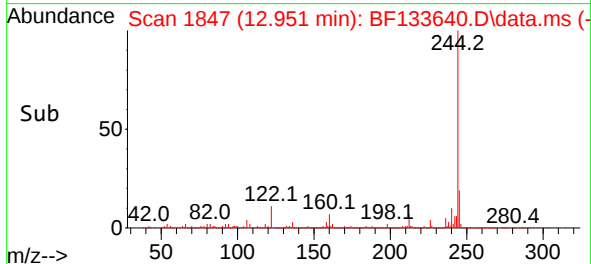
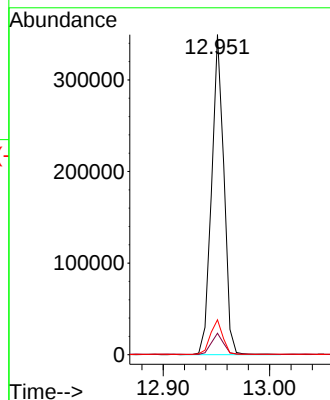
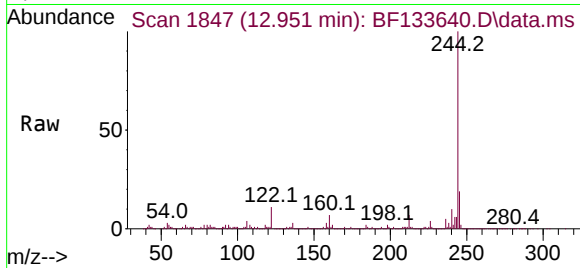
122 10.9 8.5 12.7

Manual Integrations

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Reviewed By :Yogesh Patel 06/09/2023

Supervised By :mohammad ahmed 06/13/2023



#81

Benzo(a)anthracene

Concen: 3.368 ng m

RT: 13.998 min Scan# 2025

Delta R.T. -0.006 min

Lab File: BF133640.D

Acq: 08 Jun 2023 14:00

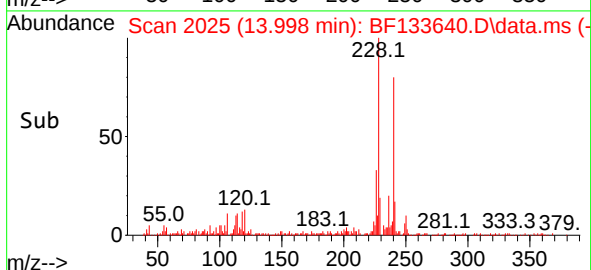
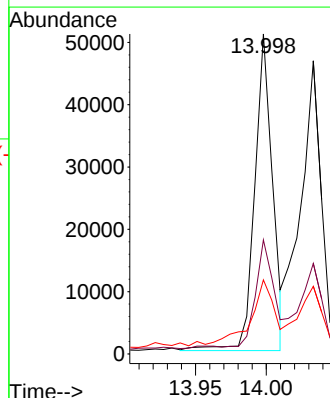
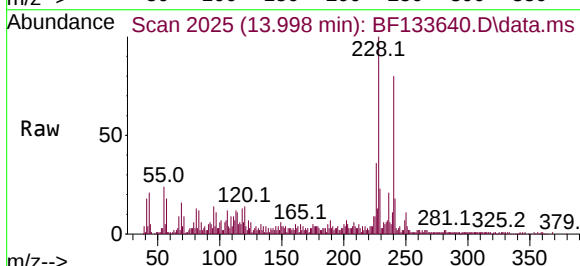
Tgt Ion:228 Resp: 44635

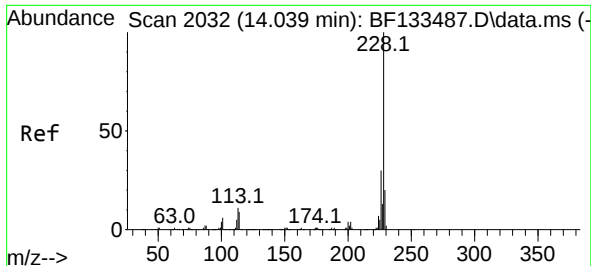
Ion Ratio Lower Upper

228 100

226 35.6 22.3 33.5#

229 23.1 16.1 24.1





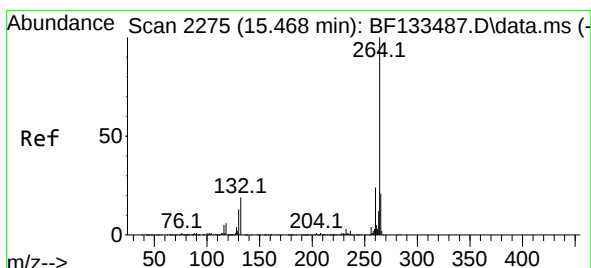
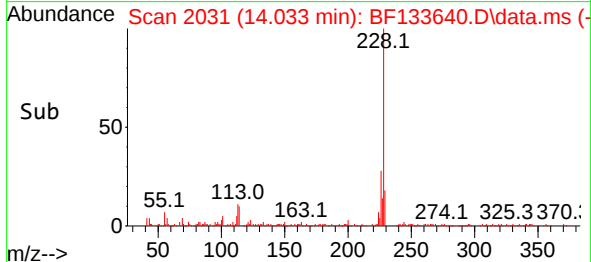
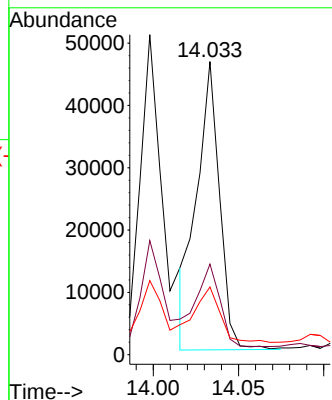
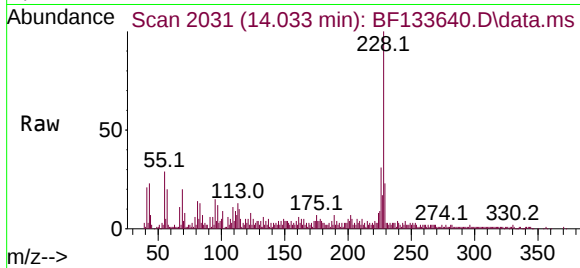
#83
Chrysene
Concen: 3.239 ng
RT: 14.033 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

Instrument :
BNA_F
ClientSampleId :
PAT-1-060523

Tgt Ion:228 Resp: 43324
Ion Ratio Lower Upper
228 100
226 30.9 24.1 36.1
229 23.1 15.8 23.8

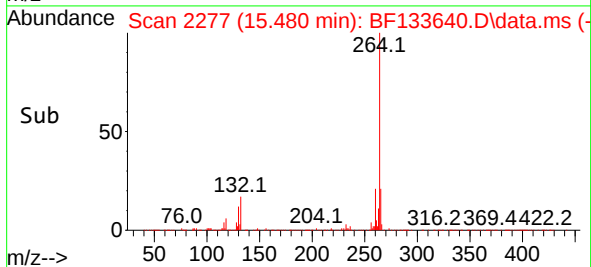
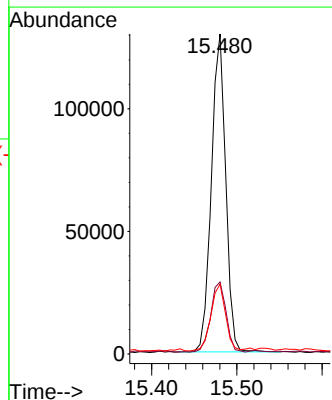
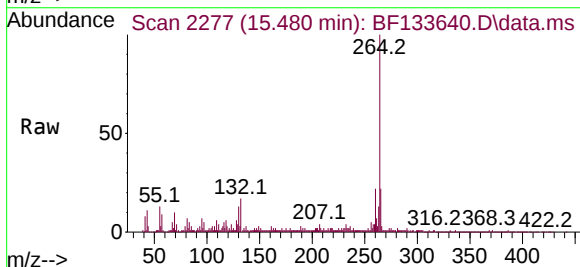
Manual Integrations
APPROVED

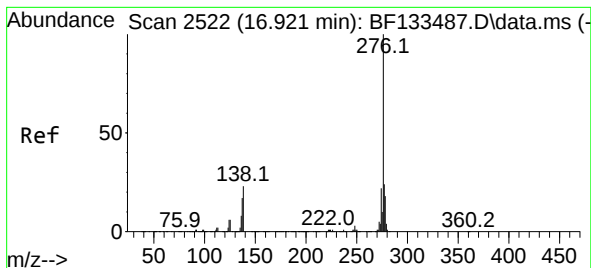
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. 0.000 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

Tgt Ion:264 Resp: 151502
Ion Ratio Lower Upper
264 100
260 22.5 19.0 28.4
265 21.8 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.389 ng

RT: 16.939 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133640.D

Acq: 08 Jun 2023 14:00

Instrument :

BNA_F

ClientSampleId :

PAT-1-060523

Tgt Ion: 276 Resp: 2305

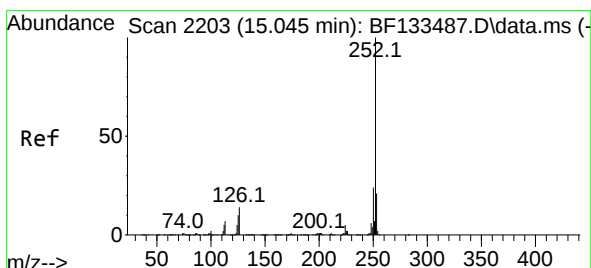
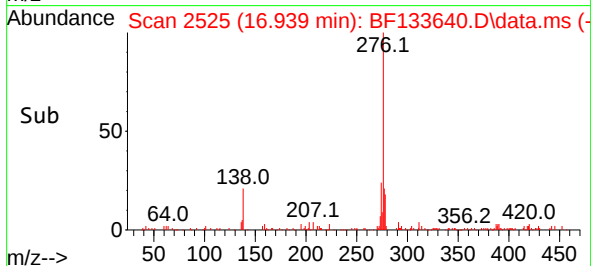
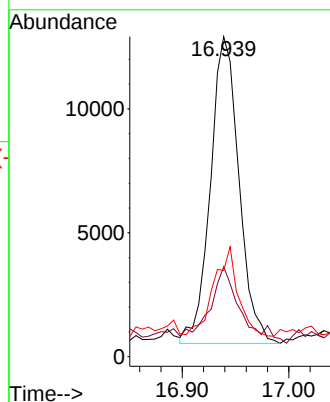
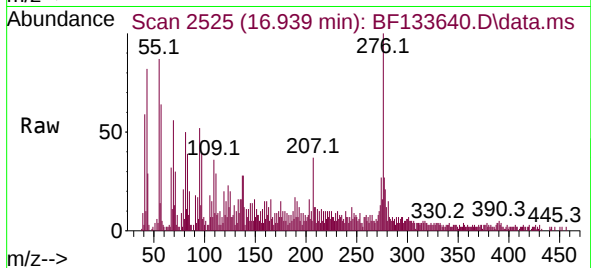
Ion	Ratio	Lower	Upper
276	100		
138	27.1	21.4	32.2
277	24.8	20.0	30.0

Manual Integrations

APPROVED

Reviewed By : Yogesh Patel 06/09/2023

Supervised By : mohammad ahmed 06/13/2023



#88

Benzo(b)fluoranthene

Concen: 5.200 ng m

RT: 15.051 min Scan# 2204

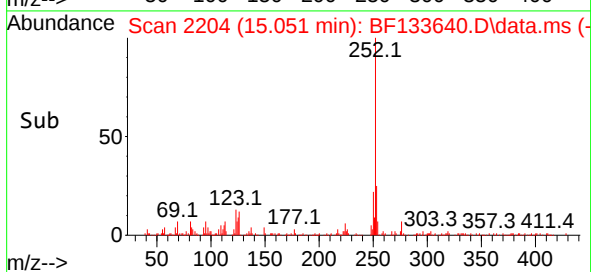
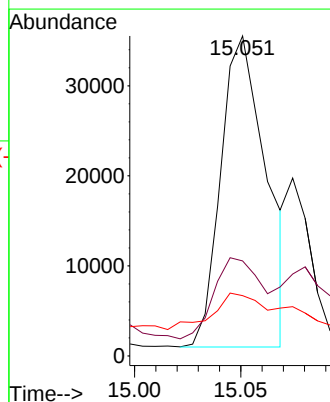
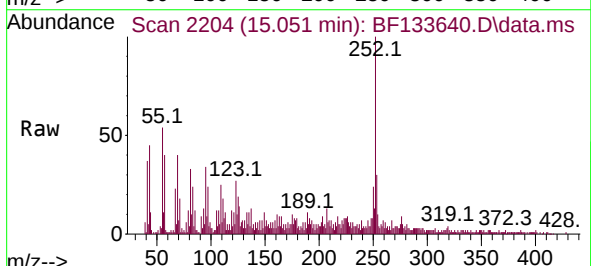
Delta R.T. 0.000 min

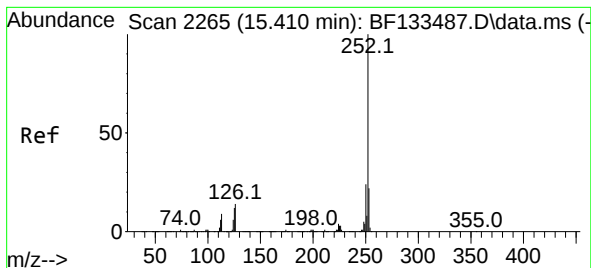
Lab File: BF133640.D

Acq: 08 Jun 2023 14:00

Tgt Ion: 252 Resp: 51297

Ion	Ratio	Lower	Upper
252	100		
253	29.7	17.2	25.8#
125	18.9	8.1	12.1#





#90

Benzo(a)pyrene

Concen: 4.010 ng

RT: 15.416 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133640.D

Acq: 08 Jun 2023 14:00

Instrument :

BNA_F

ClientSampleId :

PAT-1-060523

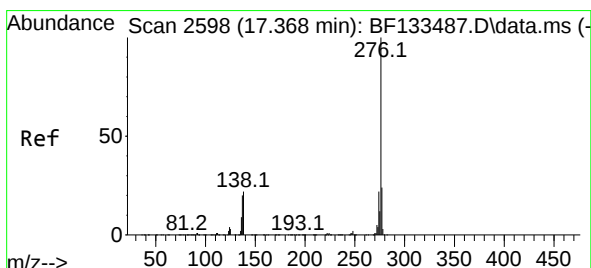
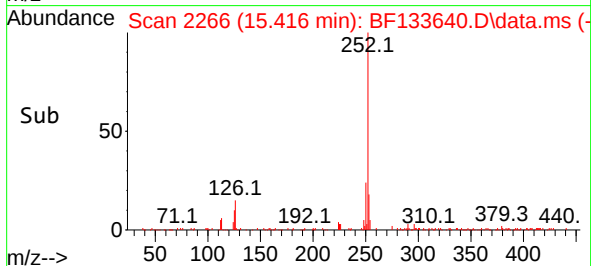
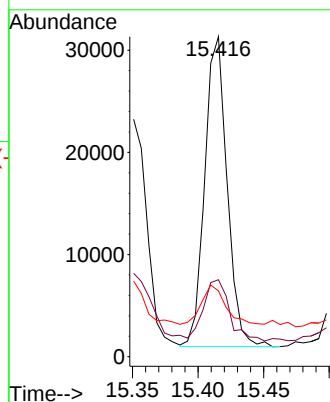
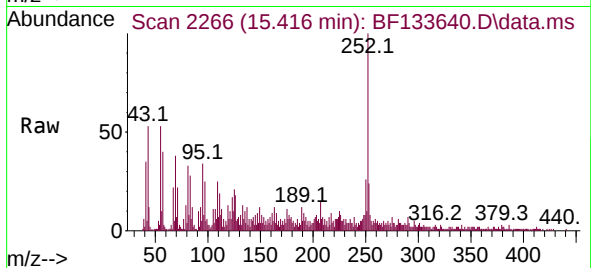
Tgt Ion:	252	Resp:	3600
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.4	26.0
125	20.5	9.4	14.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/09/2023

Supervised By :mohammad ahmed 06/13/2023



#92

Benzo(g,h,i)perylene

Concen: 3.406 ng

RT: 17.386 min Scan# 2601

Delta R.T. -0.006 min

Lab File: BF133640.D

Acq: 08 Jun 2023 14:00

Tgt Ion:	276	Resp:	26870
Ion Ratio	Lower	Upper	
276	100		
277	27.2	18.8	28.2
138	23.4	17.8	26.6

