

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
 Data File : BF133615.D
 Acq On : 07 Jun 2023 05:15
 Operator : CG\JU
 Sample : 03002-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC05

Manual Integrations
 APPROVED

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

Quant Time: Jun 07 05:42:38 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	122470	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	436381	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	182392	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	311123	20.000	ng	0.00
76) Chrysene-d12	14.010	240	153751	20.000	ng	0.00
86) Perylene-d12	15.474	264	132643	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	667423	90.926	ng	0.00
7) Phenol-d6	6.463	99	807367	89.350	ng	0.00
23) Nitrobenzene-d5	7.398	82	493378	75.489	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	168616	92.742	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	843171	71.351	ng	0.00
79) Terphenyl-d14	12.957	244	665170	76.921	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.386	178	242843	15.411	ng	99
72) Anthracene	11.439	178	71763	4.425	ng	99
75) Fluoranthene	12.580	202	466423	26.797	ng	98
78) Pyrene	12.810	202	418081	31.955	ng	98
81) Benzo(a)anthracene	13.998	228	198246	19.355	ng	100
83) Chrysene	14.033	228	168132	16.261	ng	96
87) Indeno(1,2,3-cd)pyrene	16.939	276	71950	8.516	ng	93
88) Benzo(b)fluoranthene	15.051	252	208064m	24.089	ng	
89) Benzo(k)fluoranthene	15.074	252	59486m	7.063	ng	
90) Benzo(a)pyrene	15.415	252	149320	18.999	ng	97
91) Dibenzo(a,h)anthracene	16.951	278	17238m	2.516	ng	
92) Benzo(g,h,i)perylene	17.380	276	62994	9.120	ng	# 90

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

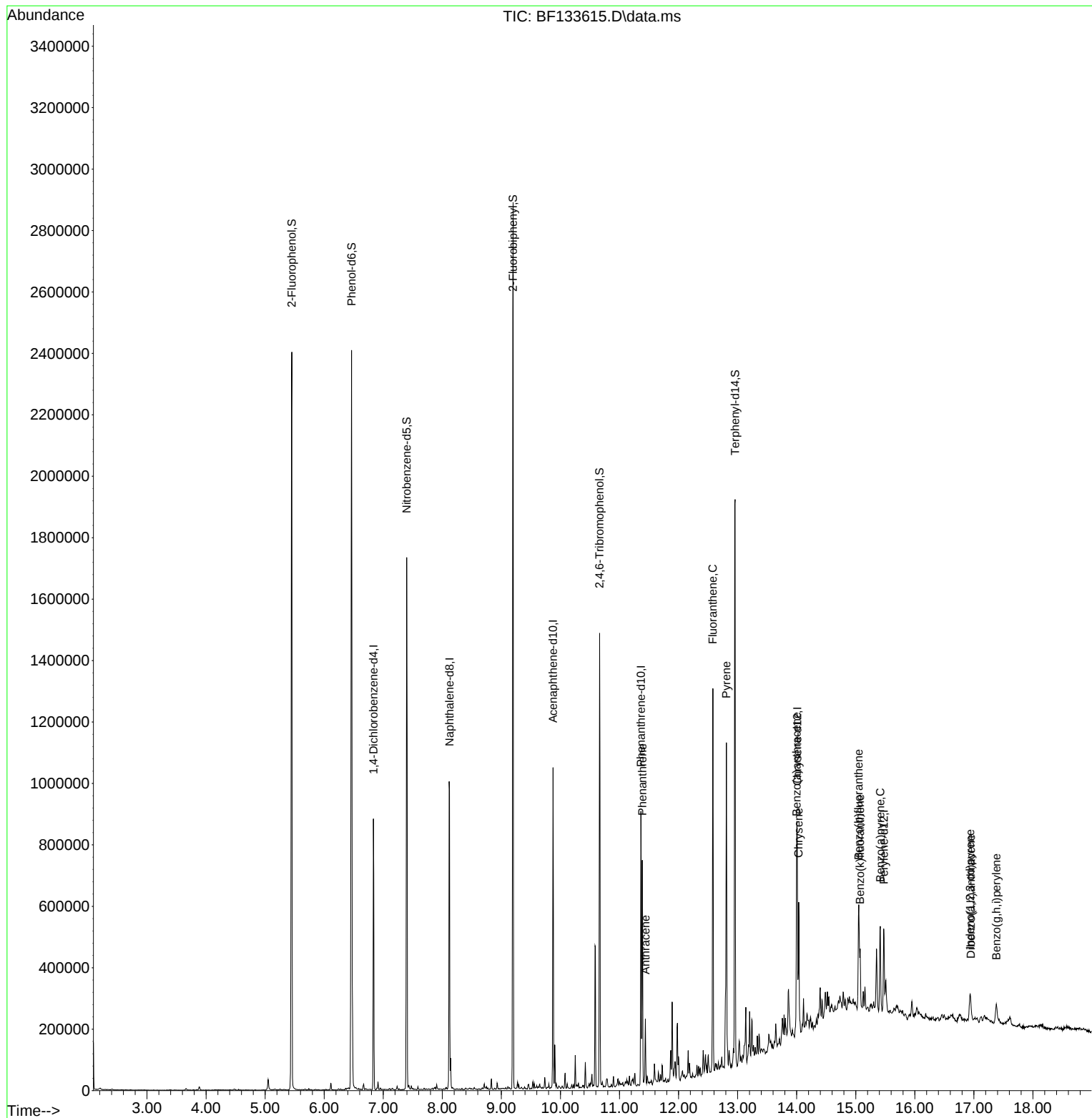
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Data File : BF133615.D
Acq On : 07 Jun 2023 05:15
Operator : CG\JU
Sample : 03002-03
Misc :
ALS Vial : 29 Sample Multiplier: 1

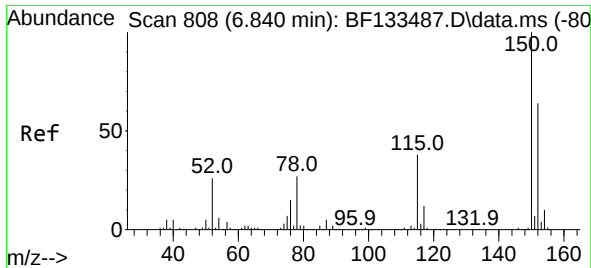
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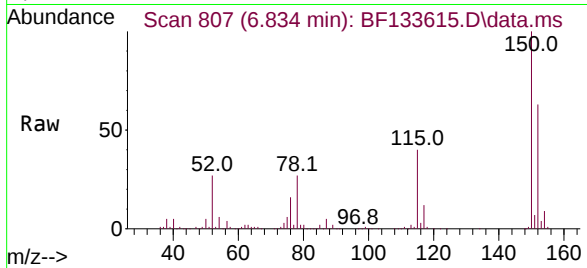
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133615.D
Acq: 07 Jun 2023 05:15

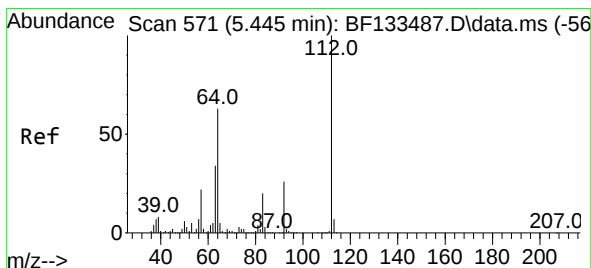
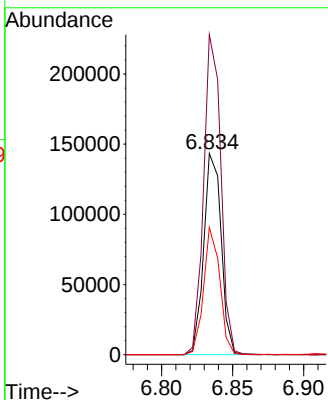
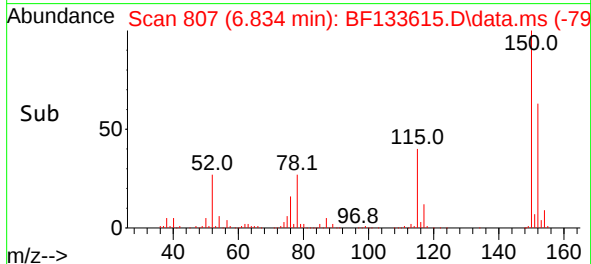
Instrument :
BNA_F
ClientSampleId :
WC05



Tgt Ion:152 Resp: 122470
Ion Ratio Lower Upper
152 100
150 159.1 124.9 187.3
115 63.2 48.1 72.1

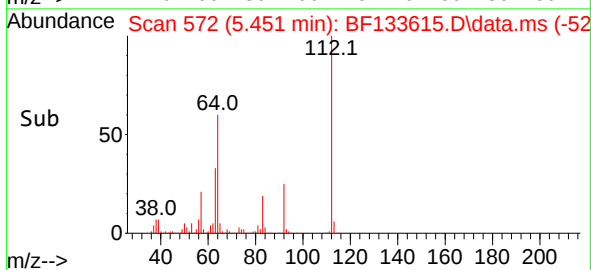
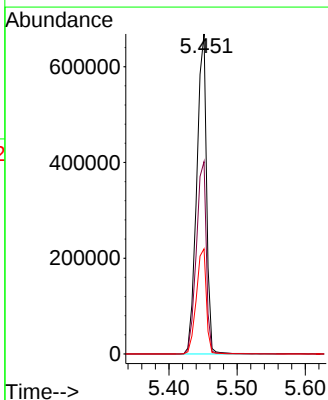
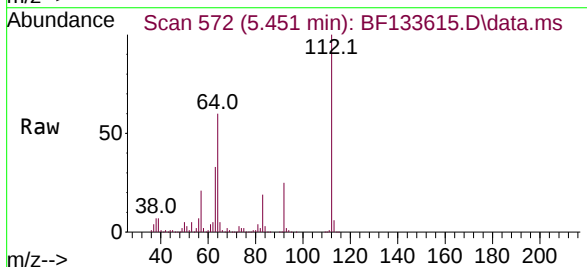
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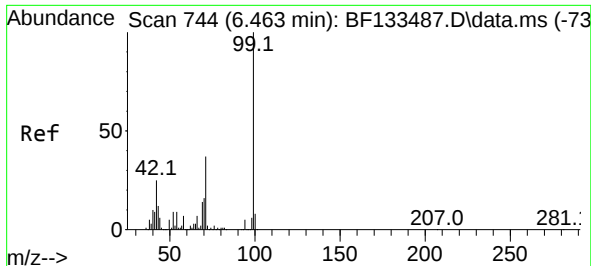
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#5
2-Fluorophenol
Concen: 90.926 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.006 min
Lab File: BF133615.D
Acq: 07 Jun 2023 05:15

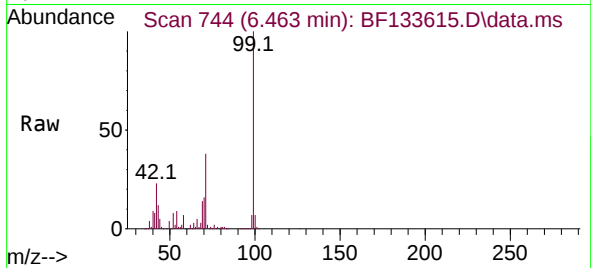
Tgt Ion:112 Resp: 667423
Ion Ratio Lower Upper
112 100
64 60.1 50.1 75.1
63 32.8 27.5 41.3





#7
Phenol-d6
Concen: 89.350 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF133615.D
Acq: 07 Jun 2023 05:15

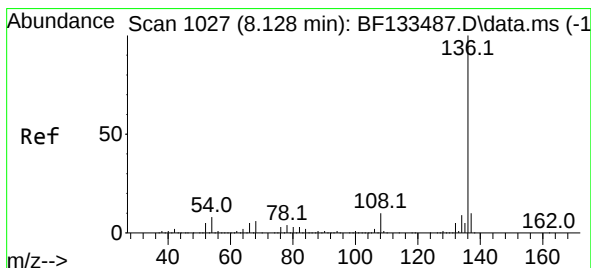
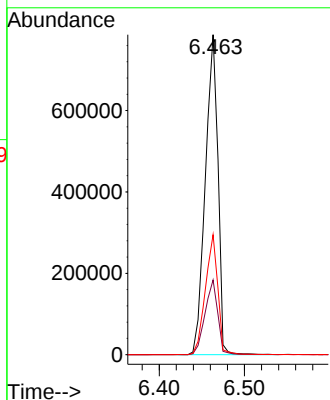
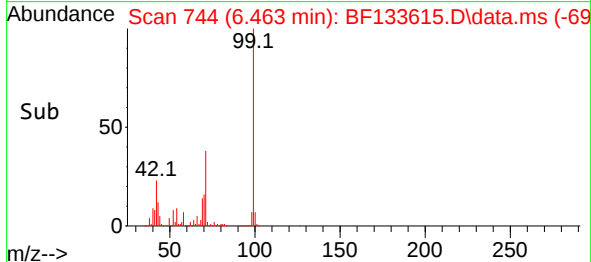
Instrument :
BNA_F
ClientSampleId :
WC05



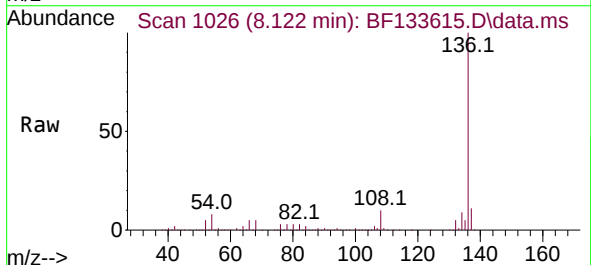
Tgt Ion: 99 Resp: 80736
Ion Ratio Lower Upper
99 100
42 23.4 19.7 29.5
71 37.5 29.8 44.8

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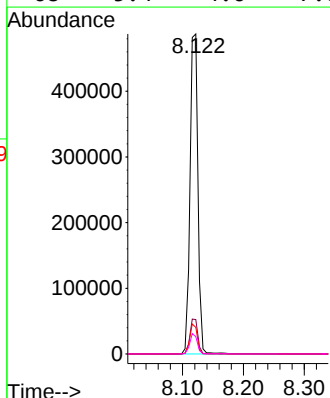
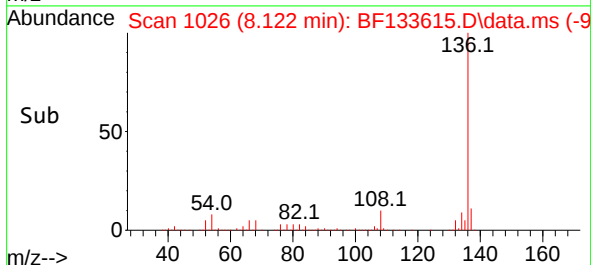
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023

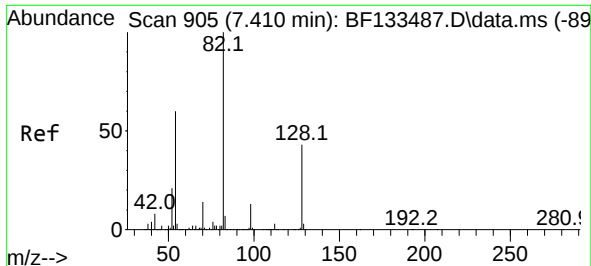


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF133615.D
Acq: 07 Jun 2023 05:15



Tgt Ion:136 Resp: 436381
Ion Ratio Lower Upper
136 100
137 10.8 8.2 12.4
54 8.3 6.6 10.0
68 5.4 4.6 7.0





#23

Nitrobenzene-d5

Concen: 75.489 ng

RT: 7.398 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133615.D

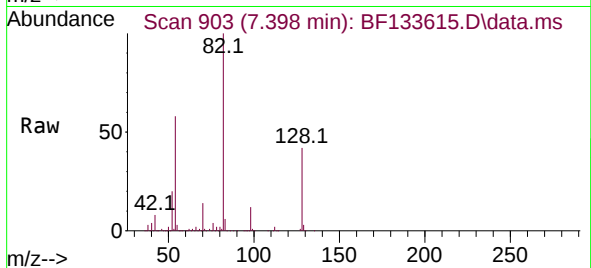
Acq: 07 Jun 2023 05:15

Instrument :

BNA_F

ClientSampleId :

WC05



Tgt Ion: 82 Resp: 493378

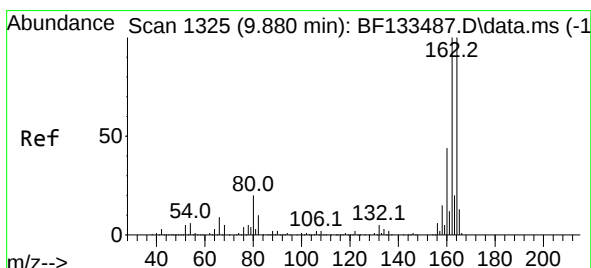
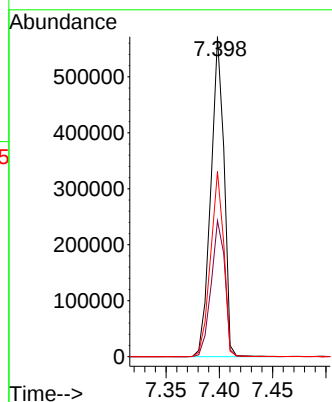
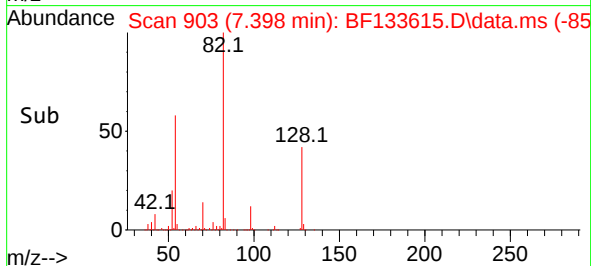
Ion	Ratio	Lower	Upper
82	100		
128	42.5	34.2	51.4
54	57.9	48.2	72.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1324

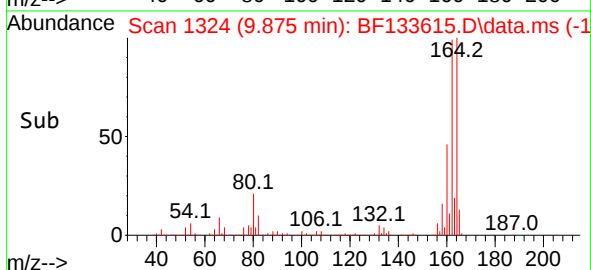
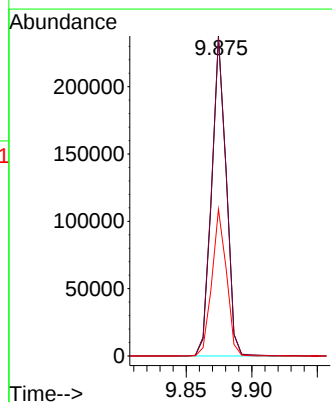
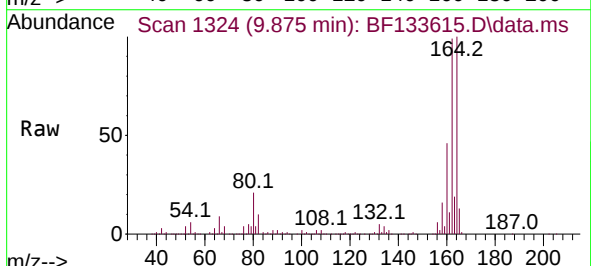
Delta R.T. 0.000 min

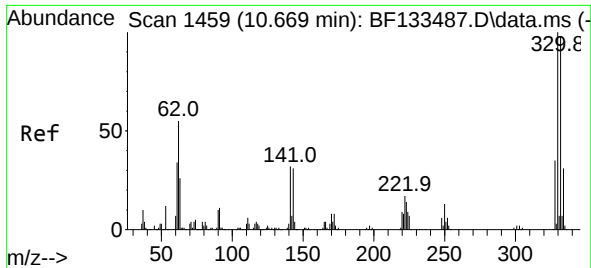
Lab File: BF133615.D

Acq: 07 Jun 2023 05:15

Tgt Ion:164 Resp: 182392

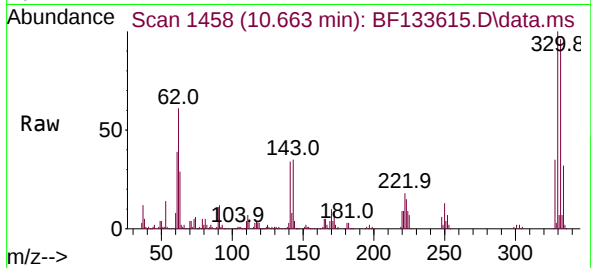
Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.7	119.5
160	45.9	35.4	53.0





#42
2,4,6-Tribromophenol
Concen: 92.742 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133615.D
Acq: 07 Jun 2023 05:15

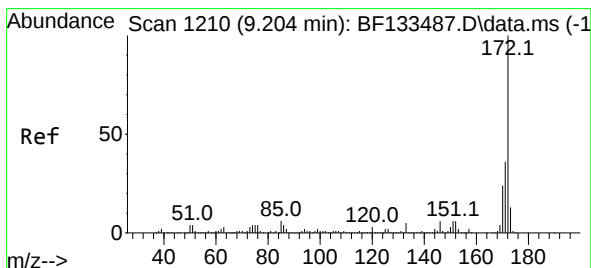
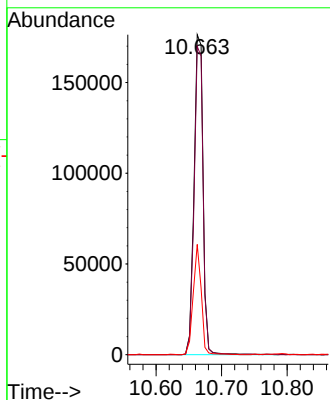
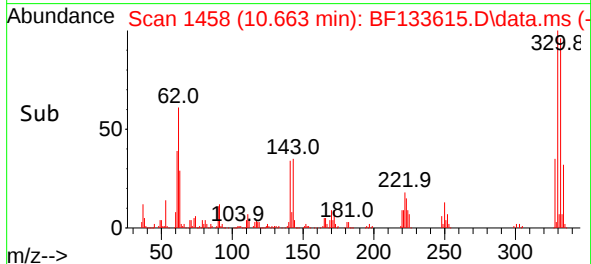
Instrument :
BNA_F
ClientSampleId :
WC05



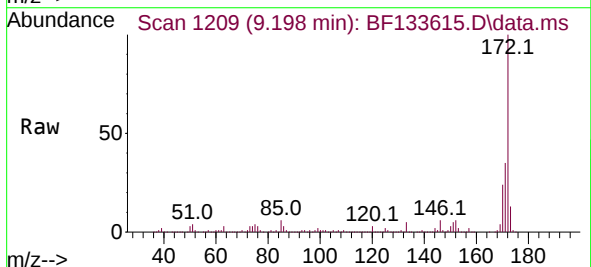
Tgt Ion:330 Resp: 168610
Ion Ratio Lower Upper
330 100
332 95.2 77.8 116.6
141 30.9 26.6 40.0

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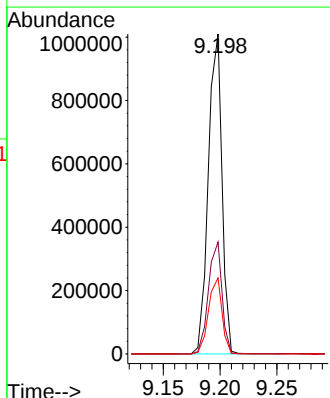
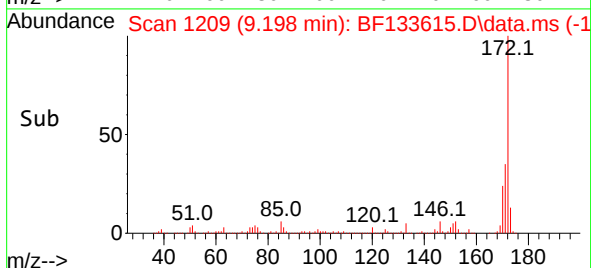
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023

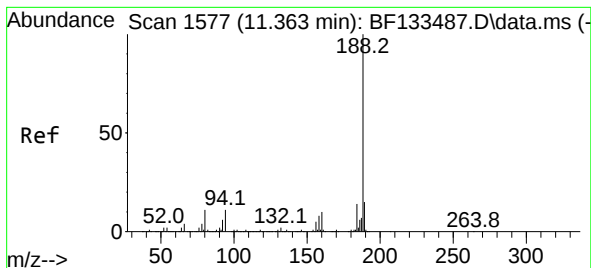


#45
2-Fluorobiphenyl
Concen: 71.351 ng
RT: 9.198 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BF133615.D
Acq: 07 Jun 2023 05:15



Tgt Ion:172 Resp: 843171
Ion Ratio Lower Upper
172 100
171 34.9 28.4 42.6
170 23.8 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: BF133615.D

Acq: 07 Jun 2023 05:15

Instrument :

BNA_F

ClientSampleId :

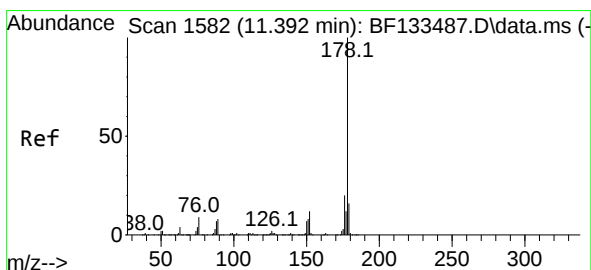
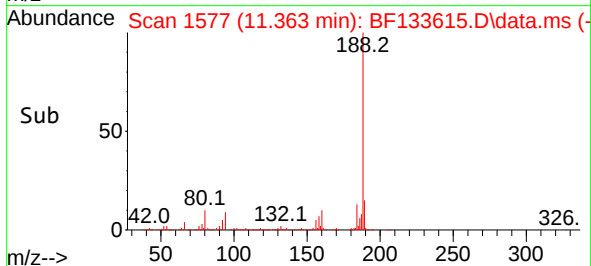
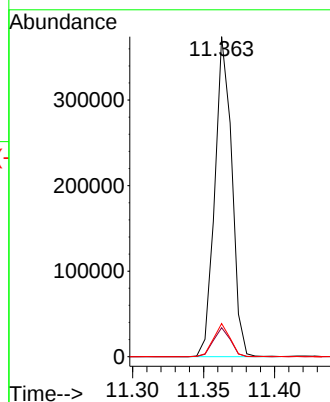
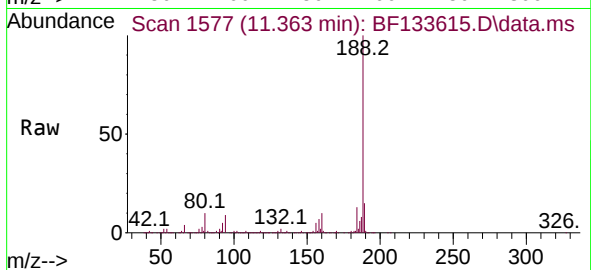
WC05

Tgt Ion:188	Resp: 31112
Ion Ratio	Lower Upper
188 100	
94 9.1	8.6 12.8
80 10.4	9.2 13.8

Manual Integrations

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Supervised By :mohammad ahmed 06/08/2023



#71

Phenanthrene

Concen: 15.411 ng

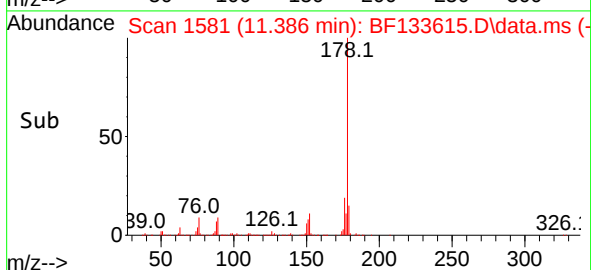
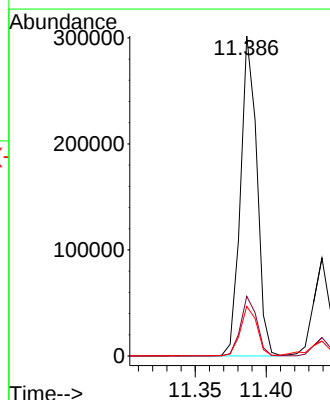
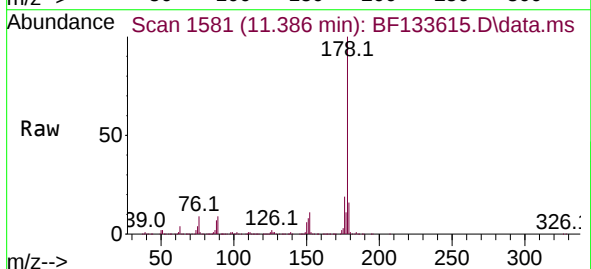
RT: 11.386 min Scan# 1581

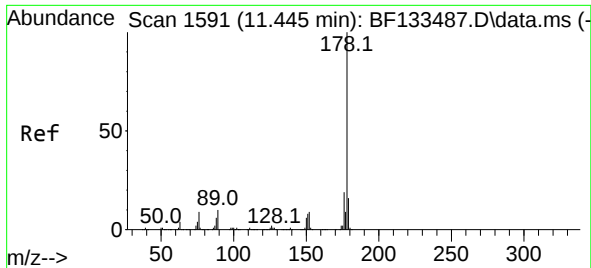
Delta R.T. -0.006 min

Lab File: BF133615.D

Acq: 07 Jun 2023 05:15

Tgt Ion:178	Resp: 242843
Ion Ratio	Lower Upper
178 100	
176 18.6	15.6 23.4
179 15.5	12.4 18.6





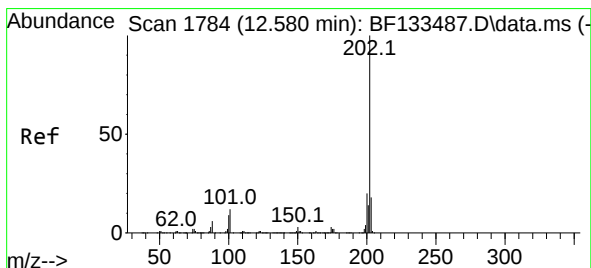
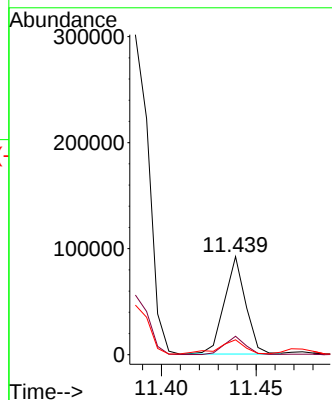
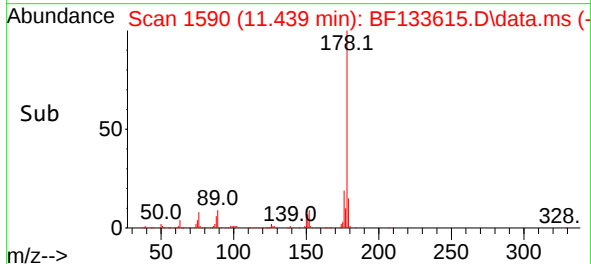
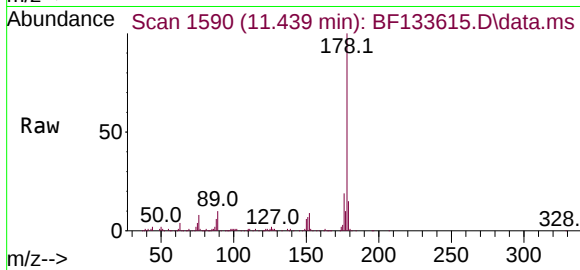
#72
 Anthracene
 Concen: 4.425 ng
 RT: 11.439 min Scan# 1591
 Delta R.T. 0.000 min
 Lab File: BF133615.D
 Acq: 07 Jun 2023 05:15

Instrument :
 BNA_F
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 WC05

Tgt Ion:178 Resp: 7176
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.3 22.9
 179 15.2 12.6 18.8

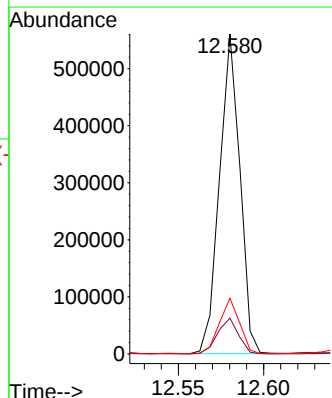
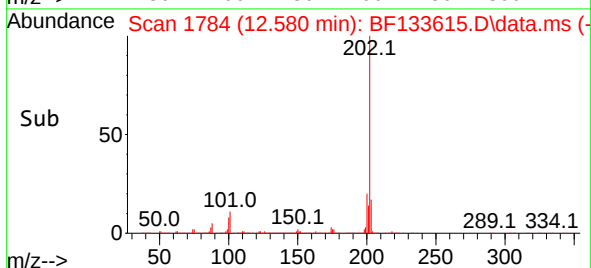
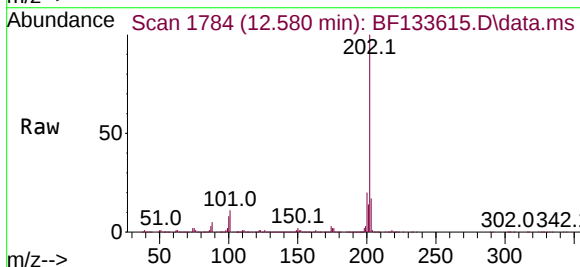
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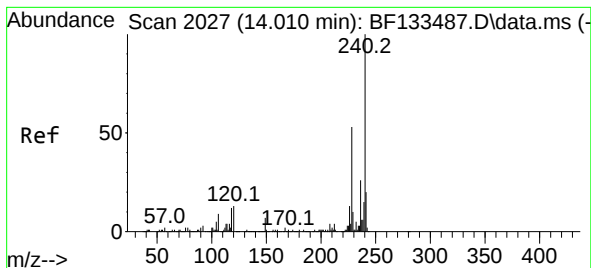
Reviewed By :Yogesh Patel 06/07/2023
 Supervised By :mohammad ahmed 06/08/2023



#75
 Fluoranthene
 Concen: 26.797 ng
 RT: 12.580 min Scan# 1784
 Delta R.T. 0.000 min
 Lab File: BF133615.D
 Acq: 07 Jun 2023 05:15

Tgt Ion:202 Resp: 466423
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 32.2
 203 17.4 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: BF133615.D

Acq: 07 Jun 2023 05:15

Instrument :

BNA_F

ClientSampleId :

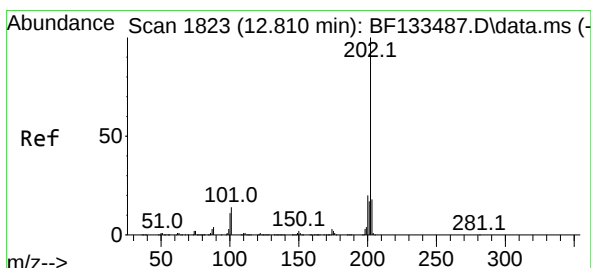
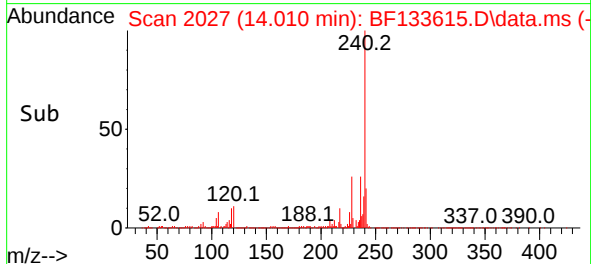
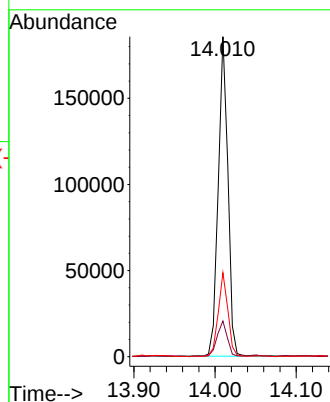
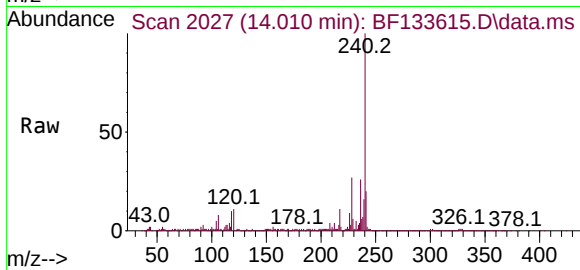
WC05

Tgt Ion:240 Resp: 15375
 Ion Ratio Lower Upper
 240 100
 120 11.1 10.3 15.5
 236 26.2 20.5 30.7

Manual Integrations

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 Supervised By :mohammad ahmed 06/08/2023



#78

Pyrene

Concen: 31.955 ng

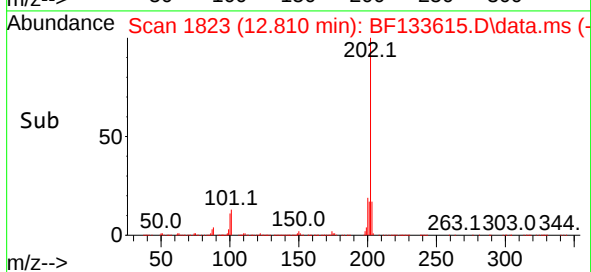
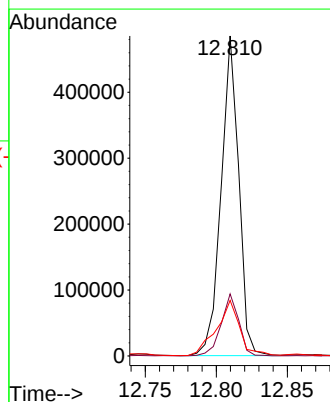
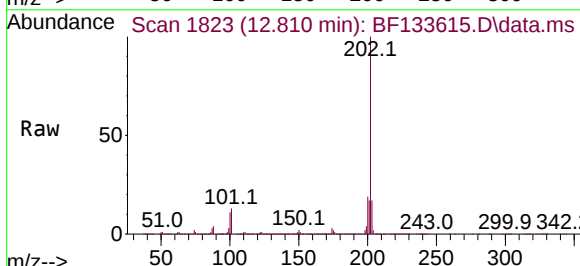
RT: 12.810 min Scan# 1823

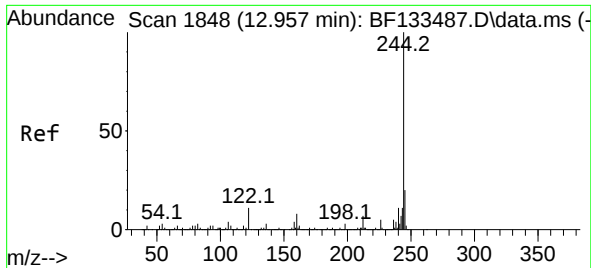
Delta R.T. 0.000 min

Lab File: BF133615.D

Acq: 07 Jun 2023 05:15

Tgt Ion:202 Resp: 418081
 Ion Ratio Lower Upper
 202 100
 200 19.4 16.3 24.5
 203 17.4 14.3 21.5





#79
 Terphenyl-d14
 Concen: 76.921 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. 0.000 min
 Lab File: BF133615.D
 Acq: 07 Jun 2023 05:15

Instrument :

BNA_F

ClientSampleId :

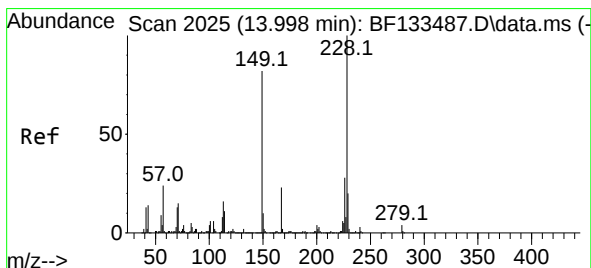
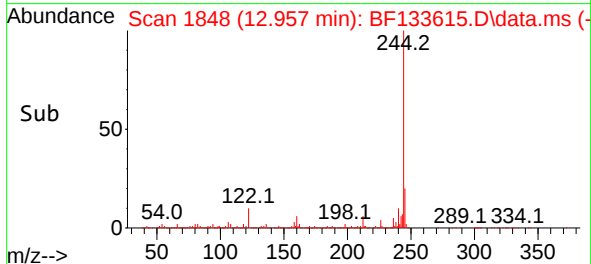
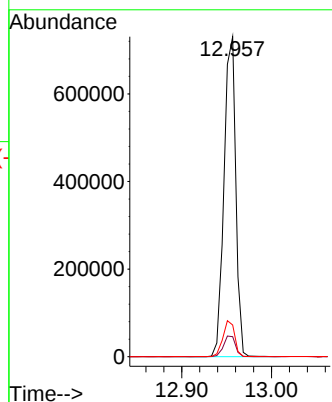
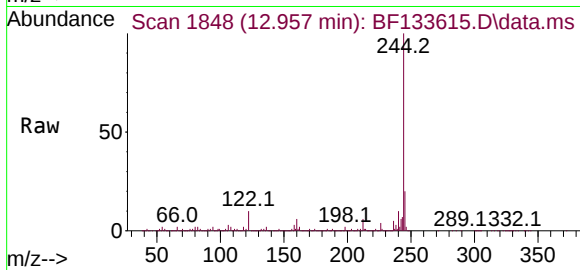
WC05

Tgt Ion:244 Resp: 665170
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.8 8.6
 122 9.9 8.5 12.7

Manual Integrations

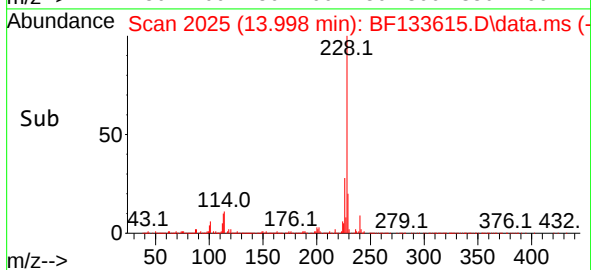
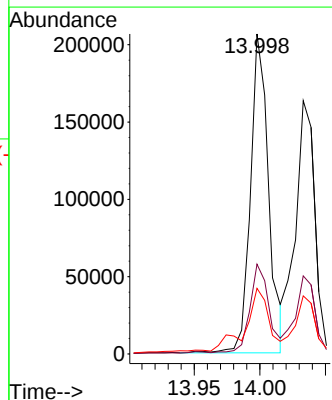
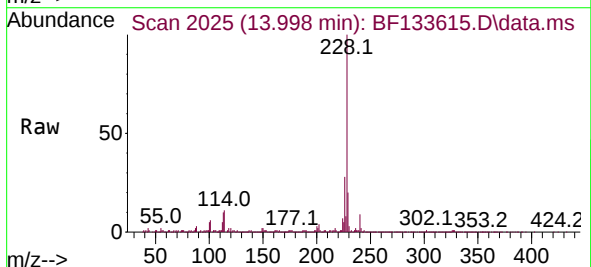
APPROVED

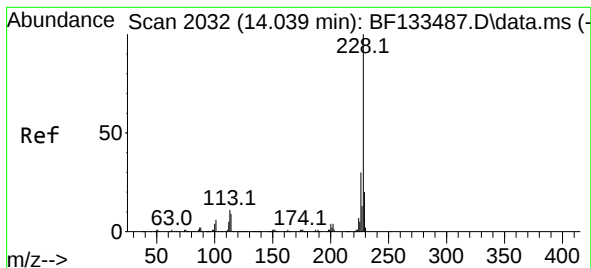
Reviewed By :Yogesh Patel 06/07/2023
 Supervised By :mohammad ahmed 06/08/2023



#81
 Benzo(a)anthracene
 Concen: 19.355 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. 0.000 min
 Lab File: BF133615.D
 Acq: 07 Jun 2023 05:15

Tgt Ion:228 Resp: 198246
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.3 33.5
 229 20.5 16.1 24.1





#83

Chrysene

Concen: 16.261 ng

RT: 14.033 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF133615.D

Acq: 07 Jun 2023 05:15

Instrument :

BNA_F

ClientSampleId :

WC05

Tgt Ion:228 Resp: 16813

Ion Ratio Lower Upper

228 100

226 30.8 24.1 36.1

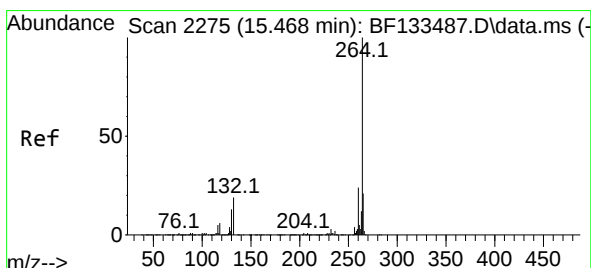
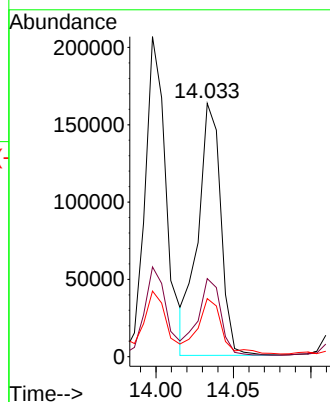
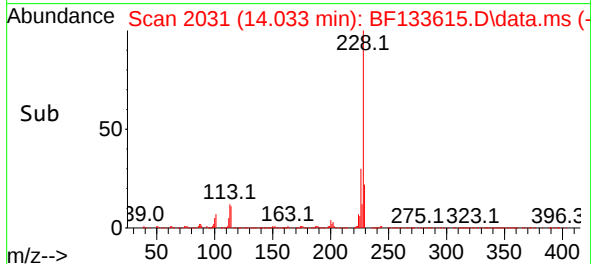
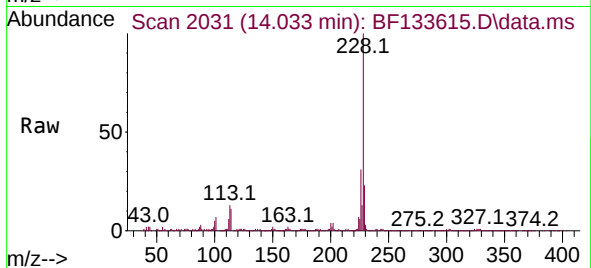
229 22.9 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 2276

Delta R.T. 0.006 min

Lab File: BF133615.D

Acq: 07 Jun 2023 05:15

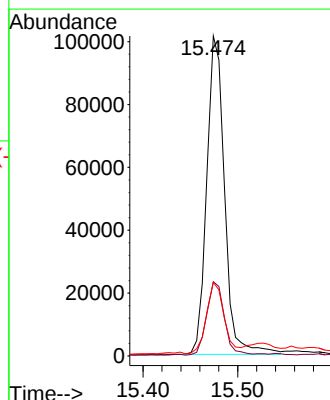
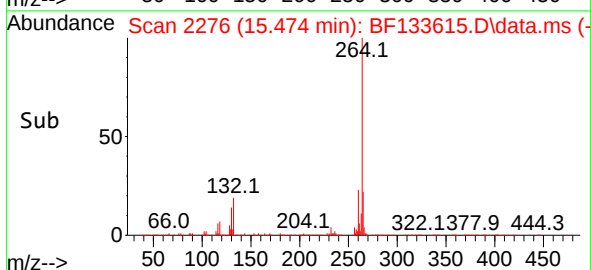
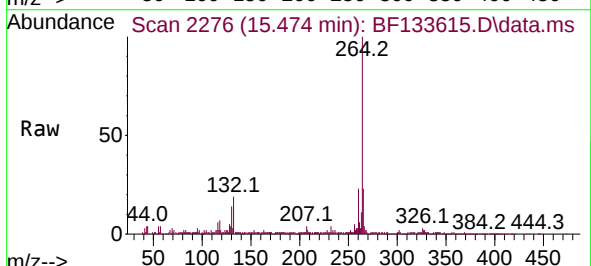
Tgt Ion:264 Resp: 132643

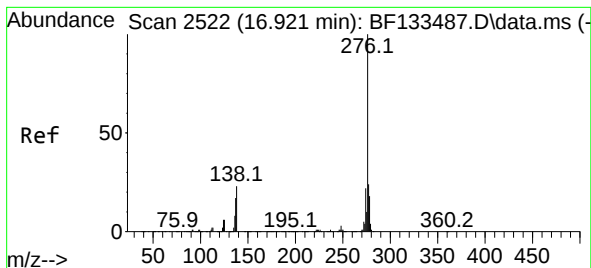
Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.4

265 23.0 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.516 ng

RT: 16.939 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133615.D

Acq: 07 Jun 2023 05:15

Instrument :

BNA_F

ClientSampleId :

WC05

Tgt Ion:276 Resp: 71950

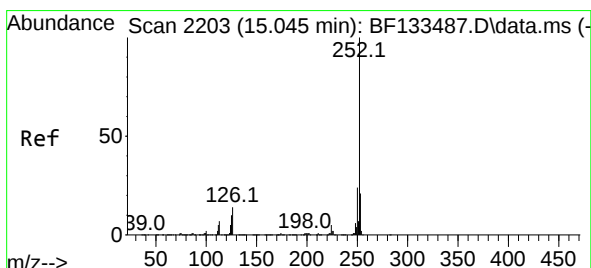
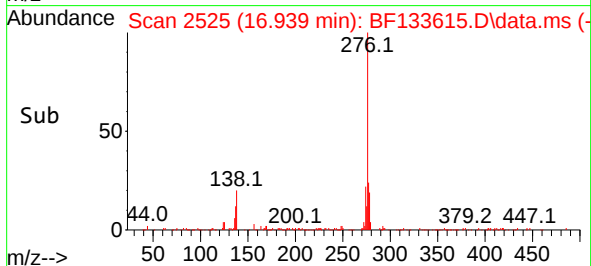
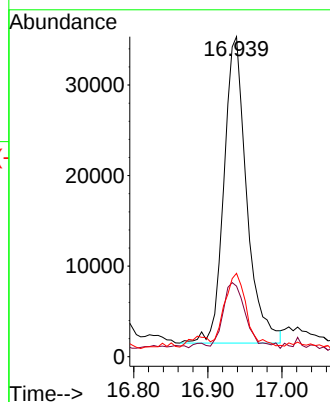
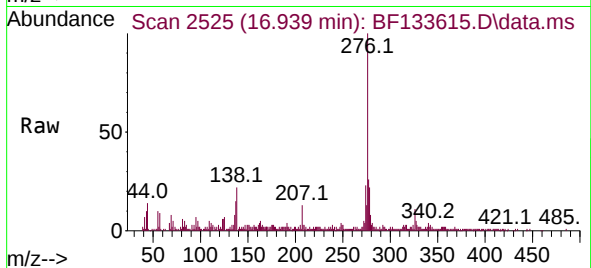
Ion	Ratio	Lower	Upper
276	100		
138	21.5	21.4	32.2
277	23.0	20.0	30.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#88

Benzo(b)fluoranthene

Concen: 24.089 ng m

RT: 15.051 min Scan# 2204

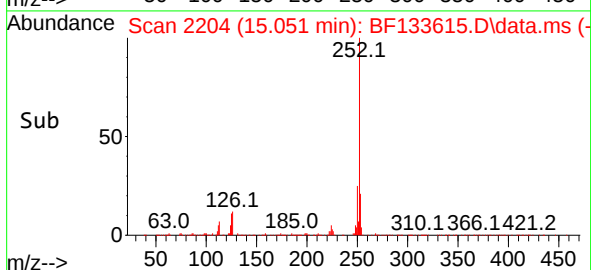
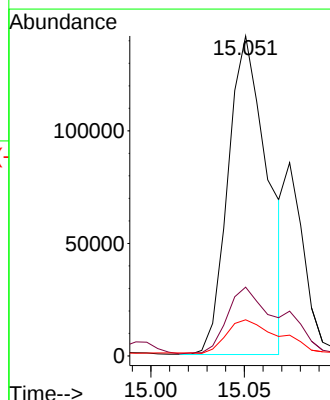
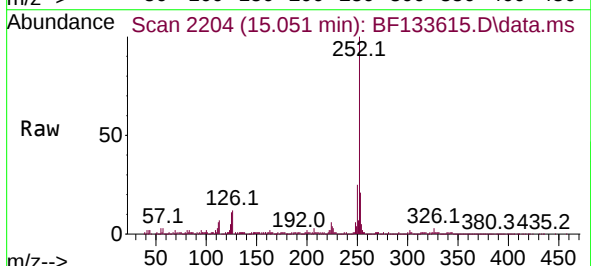
Delta R.T. 0.006 min

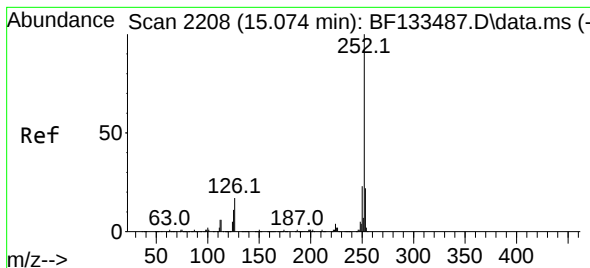
Lab File: BF133615.D

Acq: 07 Jun 2023 05:15

Tgt Ion:252 Resp: 208064

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	11.3	8.1	12.1





#89

Benzo(k)fluoranthene

Concen: 7.063 ng m

RT: 15.074 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF133615.D

Acq: 07 Jun 2023 05:15

Instrument :

BNF

ClientSampleId :

WC05

Tgt Ion:252 Resp: 59480

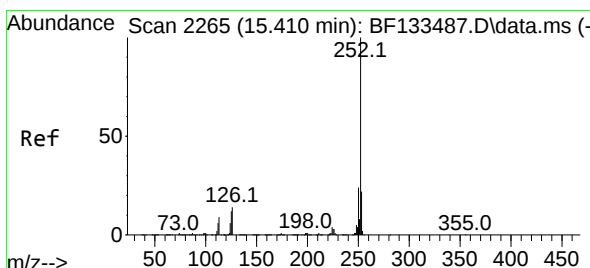
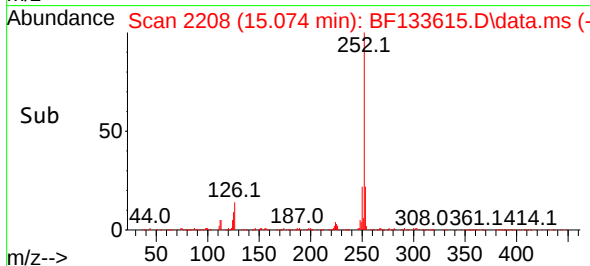
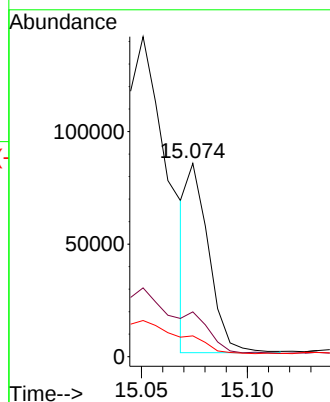
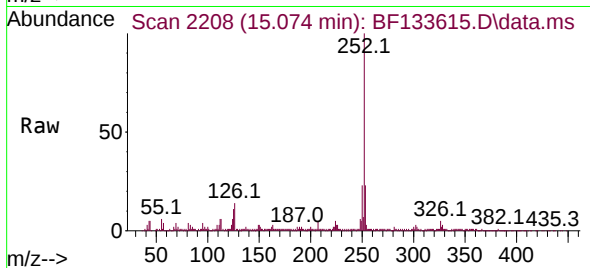
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	10.8	8.3	12.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#90

Benzo(a)pyrene

Concen: 18.999 ng

RT: 15.415 min Scan# 2266

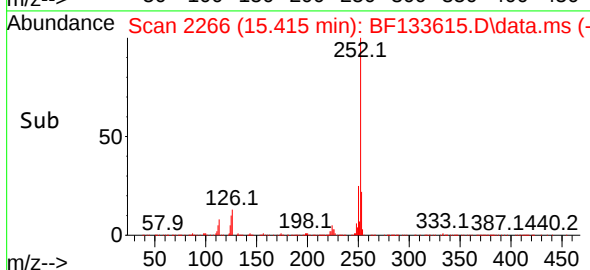
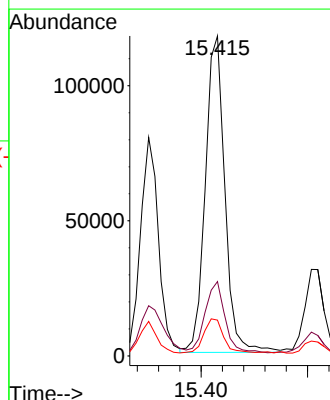
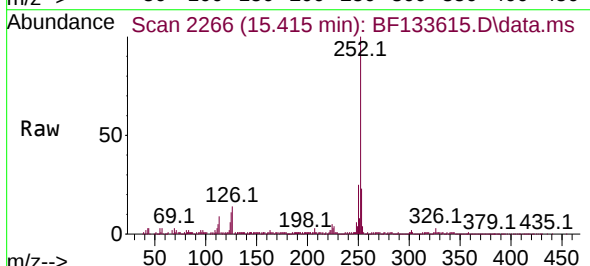
Delta R.T. 0.006 min

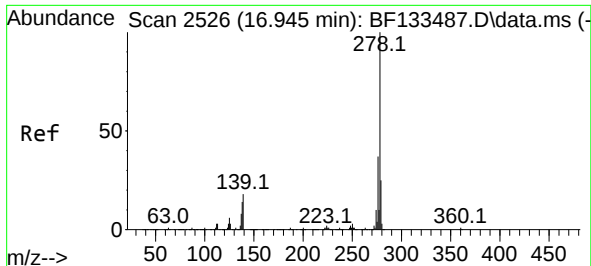
Lab File: BF133615.D

Acq: 07 Jun 2023 05:15

Tgt Ion:252 Resp: 149320

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.0
125	11.2	9.4	14.0





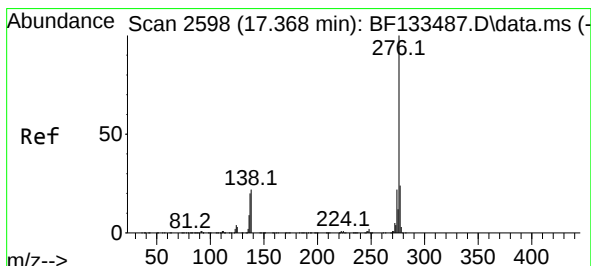
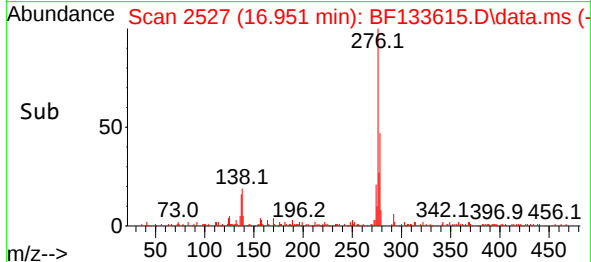
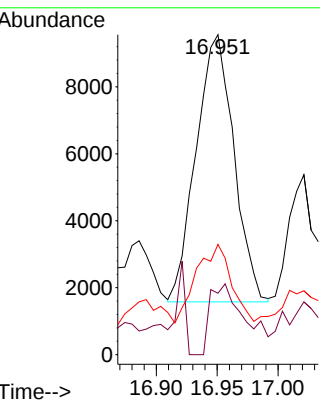
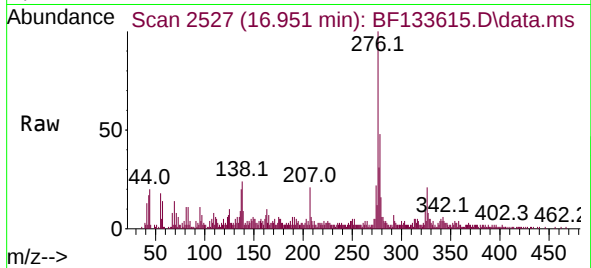
#91
Dibenzo(a,h)anthracene
Concen: 2.516 ng m
RT: 16.951 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF133615.D
Acq: 07 Jun 2023 05:15

Instrument :
BNA_F
ClientSampleId :
WC05

Tgt Ion:278 Resp: 17238
Ion Ratio Lower Upper
278 100
139 19.2 14.1 21.1
279 34.5 19.7 29.5

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 9.120 ng
RT: 17.380 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BF133615.D
Acq: 07 Jun 2023 05:15

Tgt Ion:276 Resp: 62994
Ion Ratio Lower Upper
276 100
277 28.3 18.8 28.2#
138 26.9 17.8 26.6#

