

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
 Data File : BF133614.D
 Acq On : 07 Jun 2023 04:45
 Operator : CG\JU
 Sample : 03002-05
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC04

Manual Integrations
 APPROVED

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

Quant Time: Jun 07 05:20:52 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	126197	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	435322	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	184548	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	308254	20.000	ng	0.00
76) Chrysene-d12	14.010	240	156498	20.000	ng	0.00
86) Perylene-d12	15.474	264	133758	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	701206	92.707	ng	0.00
7) Phenol-d6	6.463	99	843533	90.596	ng	0.00
23) Nitrobenzene-d5	7.398	82	538739	82.630	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	163180	88.704	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	883434	73.885	ng	0.00
79) Terphenyl-d14	12.957	244	697298	79.220	ng	0.00
Target Compounds						Qvalue
66) n-Nitrosodiphenylamine	10.533	169	251101	25.091	ng	99
71) Phenanthrene	11.386	178	124393	7.967	ng	99
72) Anthracene	11.439	178	32589	2.028	ng	99
74) Di-n-butylphthalate	11.927	149	128832	7.170	ng	99
75) Fluoranthene	12.580	202	243971	14.147	ng	99
78) Pyrene	12.810	202	216922	16.289	ng	99
81) Benzo(a)anthracene	13.998	228	94586	9.073	ng	98
83) Chrysene	14.033	228	79542m	7.558	ng	
87) Indeno(1,2,3-cd)pyrene	16.933	276	29934	3.513	ng	99
88) Benzo(b)fluoranthene	15.051	252	92678m	10.640	ng	
89) Benzo(k)fluoranthene	15.074	252	26639m	3.137	ng	
90) Benzo(a)pyrene	15.415	252	67147	8.472	ng	97
92) Benzo(g,h,i)perylene	17.380	276	33627	4.828	ng	# 89

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

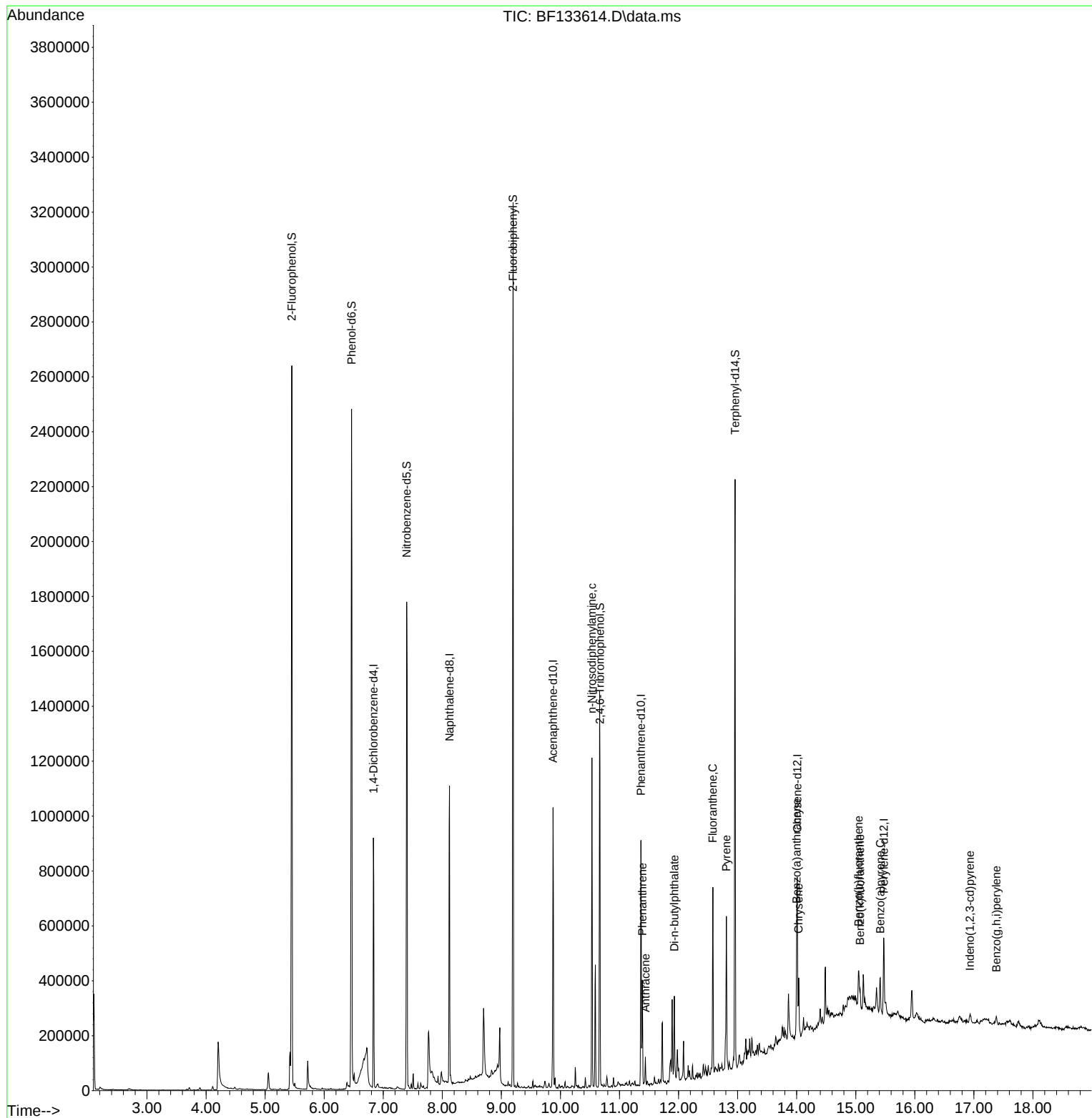
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ALS Vial : 28 Sample Multiplier: 1

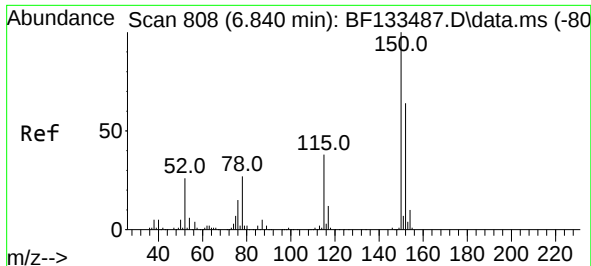
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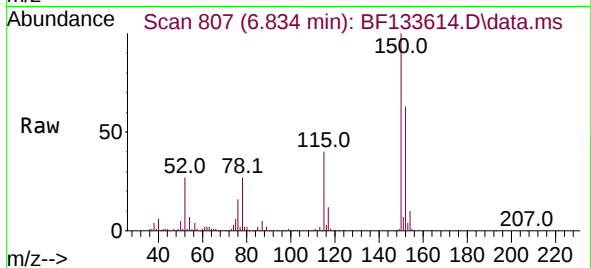
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133614.D
Acq: 07 Jun 2023 04:45

Instrument :

BNA_F

ClientSampleId :

WC04

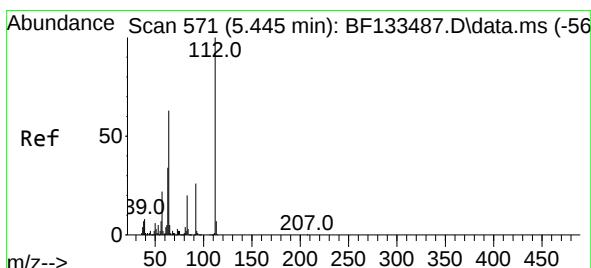
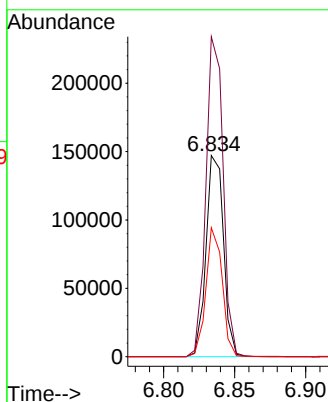
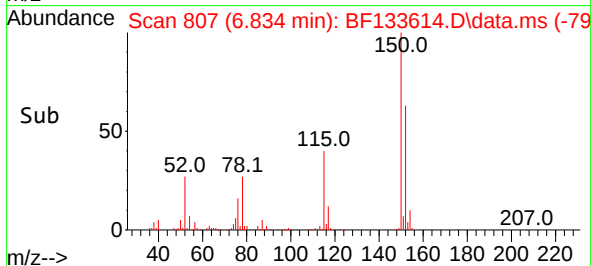


Tgt Ion:152 Resp: 126197
Ion Ratio Lower Upper
152 100
150 159.1 124.9 187.3
115 64.1 48.1 72.1

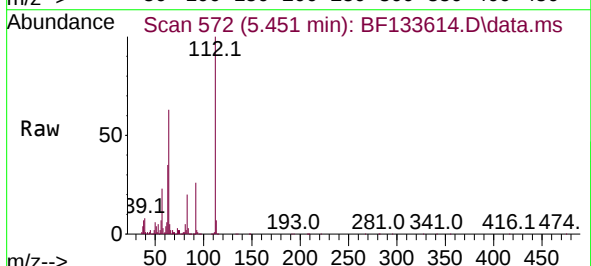
Manual Integrations

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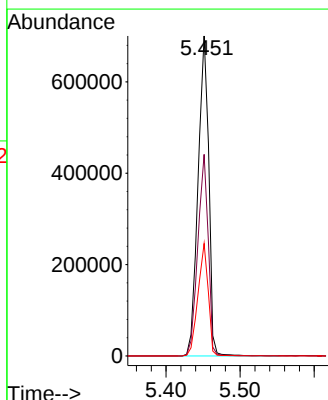
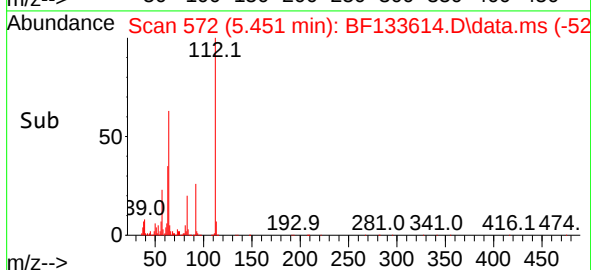
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023

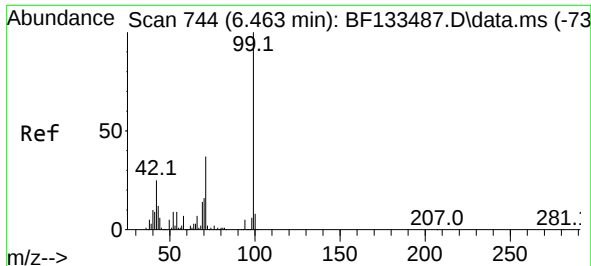


#5
2-Fluorophenol
Concen: 92.707 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.006 min
Lab File: BF133614.D
Acq: 07 Jun 2023 04:45



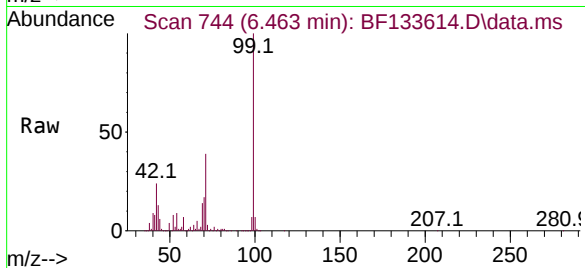
Tgt Ion:112 Resp: 701206
Ion Ratio Lower Upper
112 100
64 63.0 50.1 75.1
63 35.1 27.5 41.3





#7
Phenol-d6
Concen: 90.596 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF133614.D
Acq: 07 Jun 2023 04:45

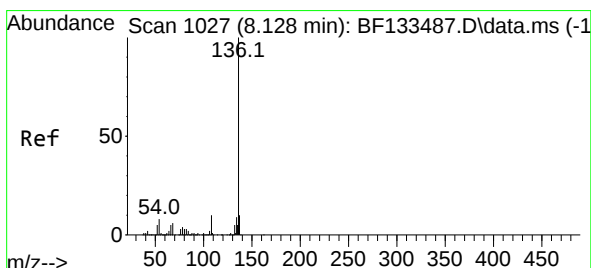
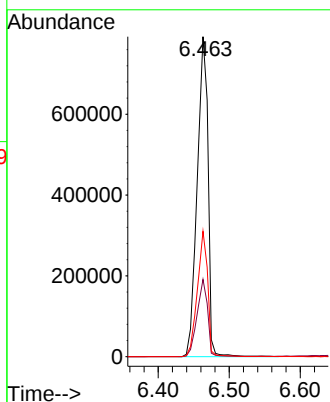
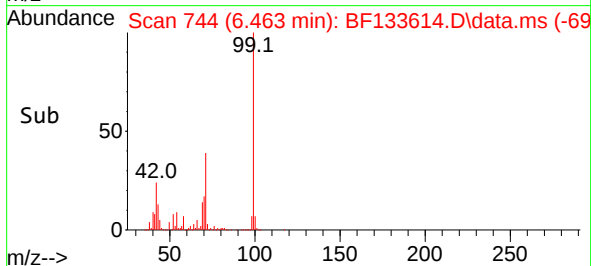
Instrument :
BNA_F
ClientSampleId :
WC04



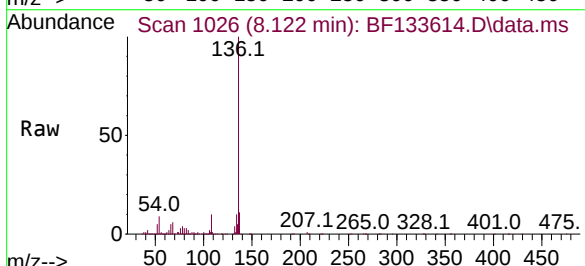
Tgt Ion: 99 Resp: 843533
Ion Ratio Lower Upper
99 100
42 24.2 19.7 29.5
71 39.2 29.8 44.8

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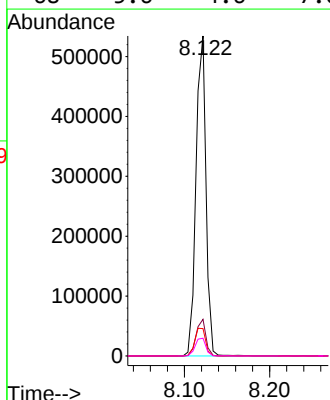
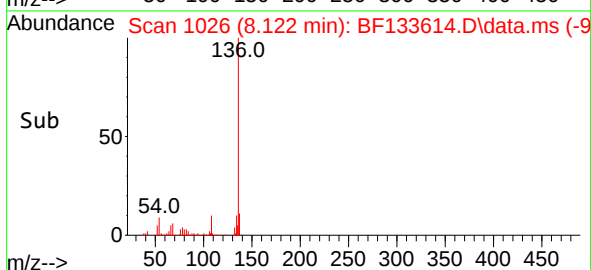
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023

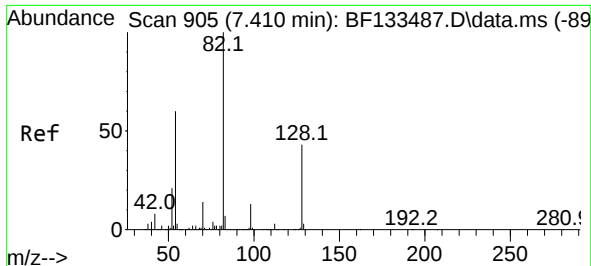


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF133614.D
Acq: 07 Jun 2023 04:45



Tgt Ion:136 Resp: 435322
Ion Ratio Lower Upper
136 100
137 11.4 8.2 12.4
54 8.6 6.6 10.0
68 5.6 4.6 7.0





#23

Nitrobenzene-d5

Concen: 82.630 ng

RT: 7.398 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133614.D

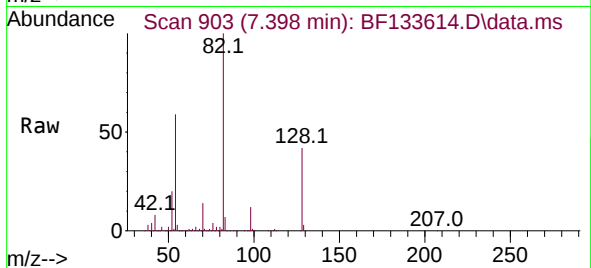
Acq: 07 Jun 2023 04:45

Instrument :

BNA_F

ClientSampleId :

WC04



Tgt Ion: 82 Resp: 538739

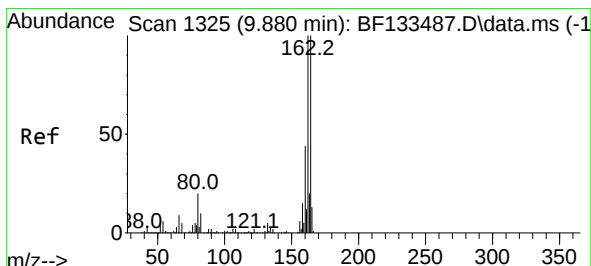
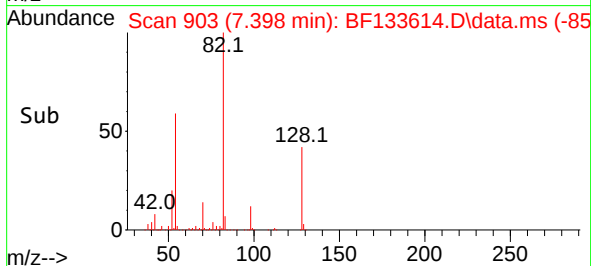
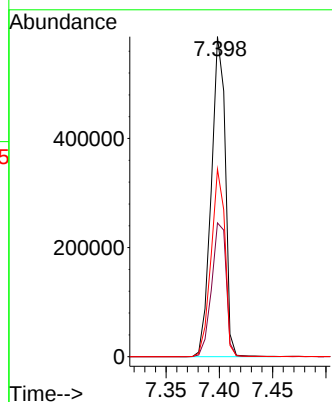
Ion	Ratio	Lower	Upper
82	100		
128	41.8	34.2	51.4
54	58.6	48.2	72.4

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1324

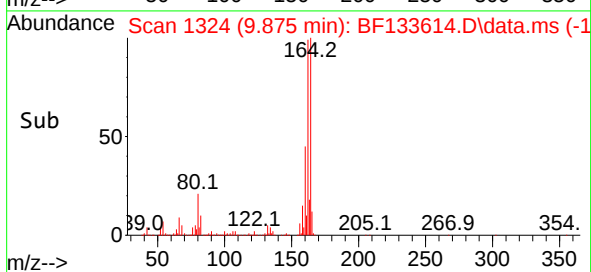
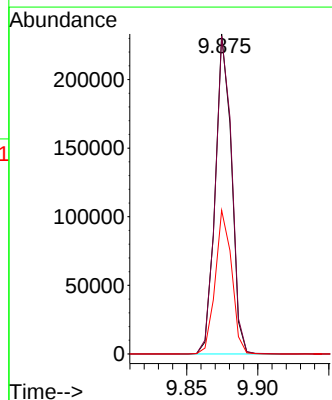
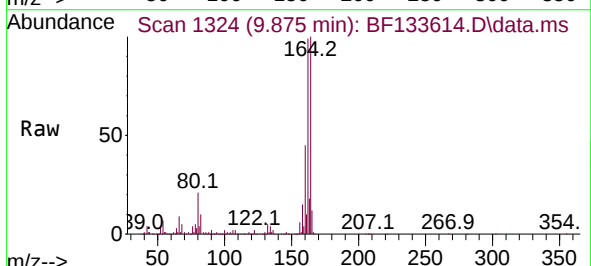
Delta R.T. 0.000 min

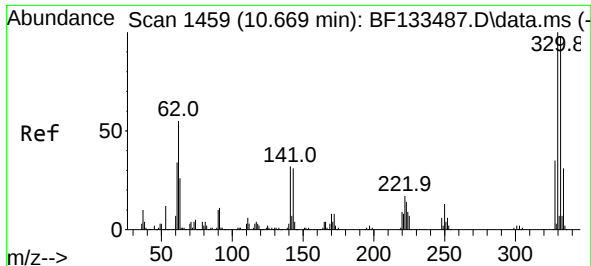
Lab File: BF133614.D

Acq: 07 Jun 2023 04:45

Tgt Ion:164 Resp: 184548

Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.7	119.5
160	44.9	35.4	53.0





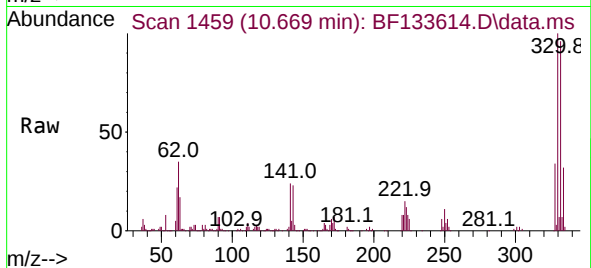
#42
2,4,6-Tribromophenol
Concen: 88.704 ng
RT: 10.669 min Scan# 1459
Delta R.T. 0.000 min
Lab File: BF133614.D
Acq: 07 Jun 2023 04:45

Instrument :

BNA_F

ClientSampleId :

WC04



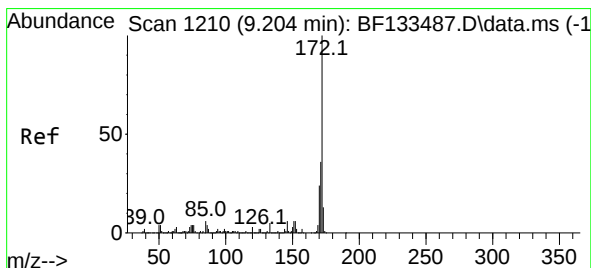
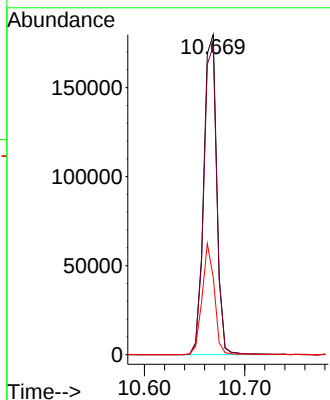
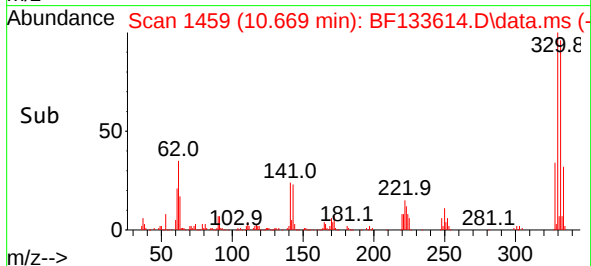
Tgt Ion:330 Resp: 163180
Ion Ratio Lower Upper
330 100
332 96.5 77.8 116.6
141 32.6 26.6 40.0

Manual Integrations

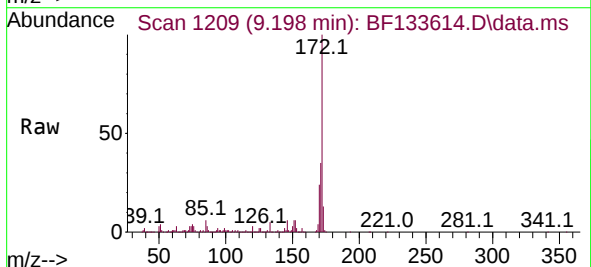
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Reviewed By :Yogesh Patel 06/07/2023

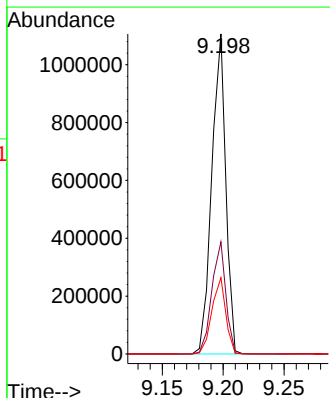
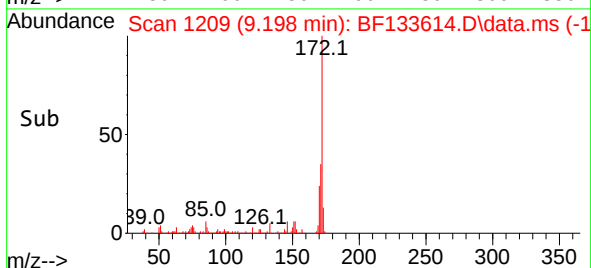
Supervised By :mohammad ahmed 06/08/2023

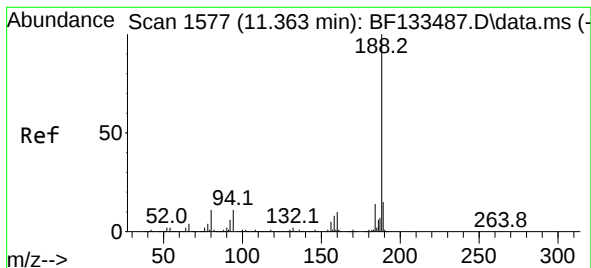


#45
2-Fluorobiphenyl
Concen: 73.885 ng
RT: 9.198 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BF133614.D
Acq: 07 Jun 2023 04:45



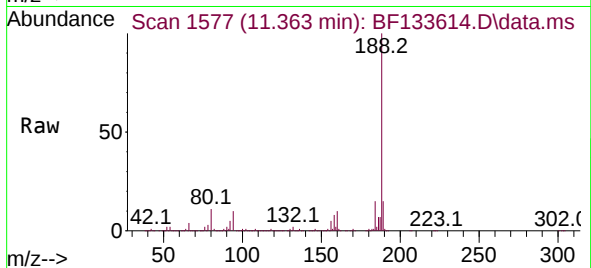
Tgt Ion:172 Resp: 883434
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 23.9 19.3 28.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133614.D
Acq: 07 Jun 2023 04:45

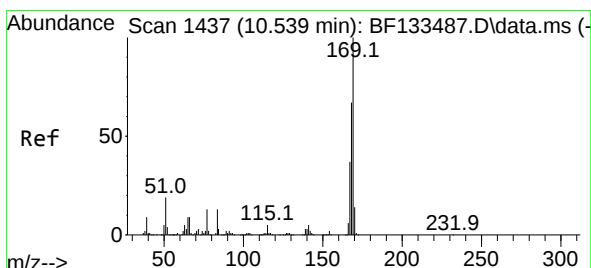
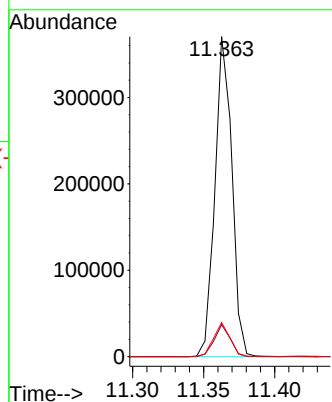
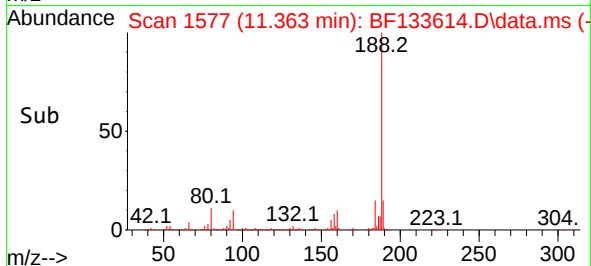
Instrument :
BNA_F
ClientSampleId :
WC04



Tgt Ion:188 Resp: 308254
Ion Ratio Lower Upper
188 100
94 10.0 8.6 12.8
80 10.7 9.2 13.8

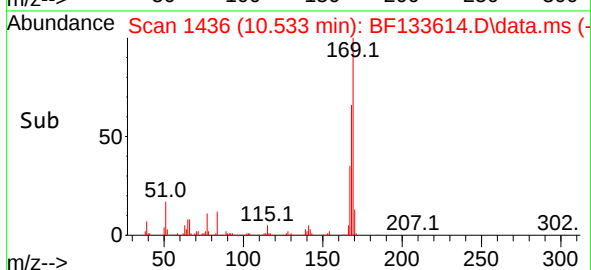
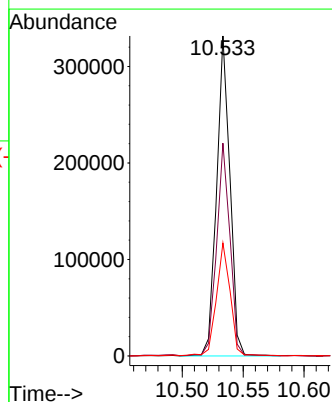
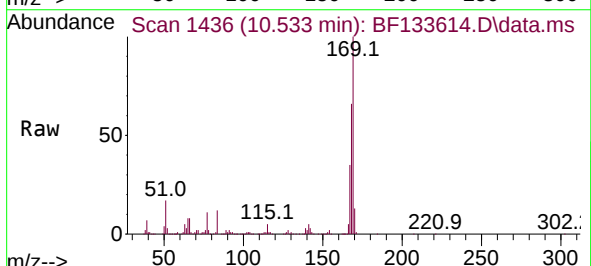
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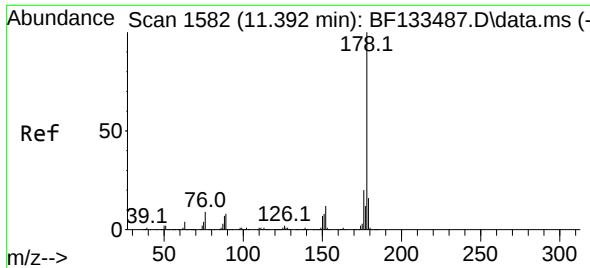
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#66
n-Nitrosodiphenylamine
Concen: 25.091 ng
RT: 10.533 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF133614.D
Acq: 07 Jun 2023 04:45

Tgt Ion:169 Resp: 251101
Ion Ratio Lower Upper
169 100
168 66.5 53.7 80.5
167 35.3 29.6 44.4





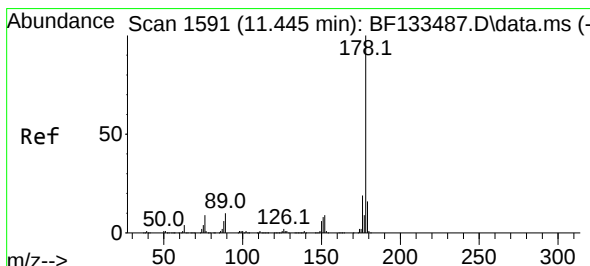
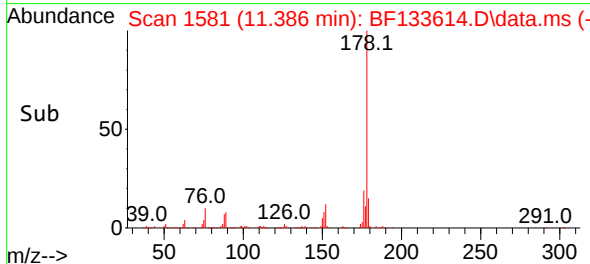
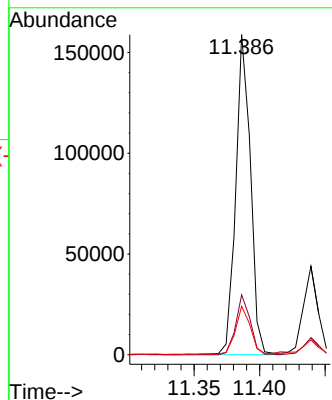
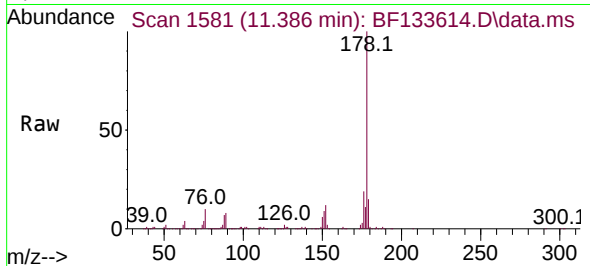
#71
Phenanthrene
Concen: 7.967 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF133614.D
Acq: 07 Jun 2023 04:45

Instrument :
BNA_F
ClientSampleId :
WC04

Tgt Ion:178 Resp: 12439
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 15.2 12.4 18.6

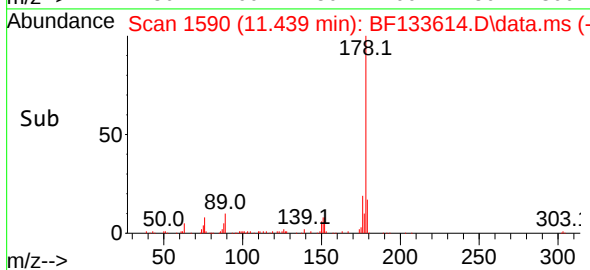
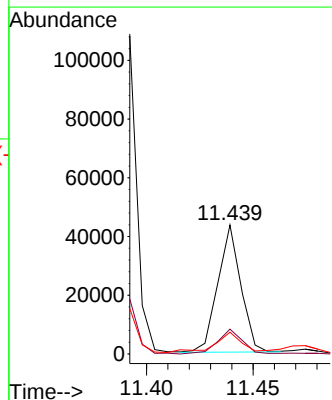
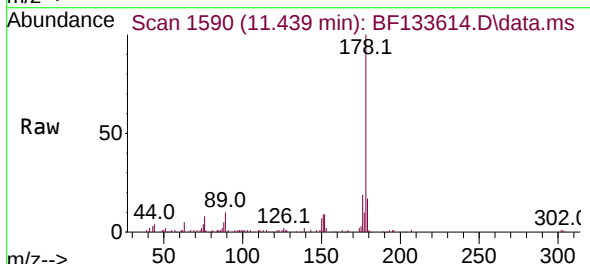
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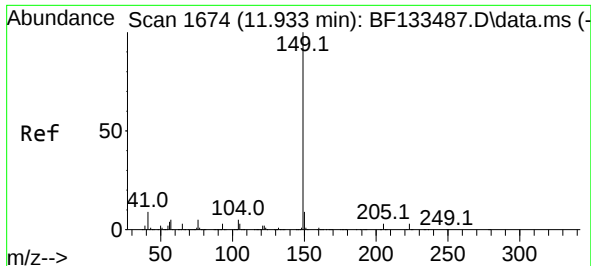
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#72
Anthracene
Concen: 2.028 ng
RT: 11.439 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF133614.D
Acq: 07 Jun 2023 04:45

Tgt Ion:178 Resp: 32589
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 16.8 12.6 18.8





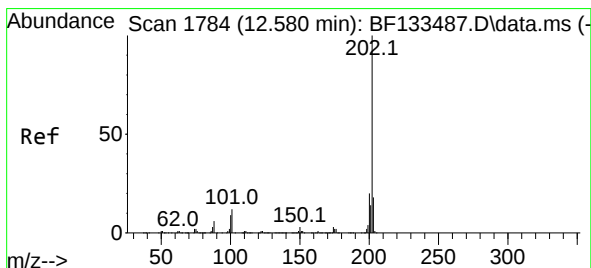
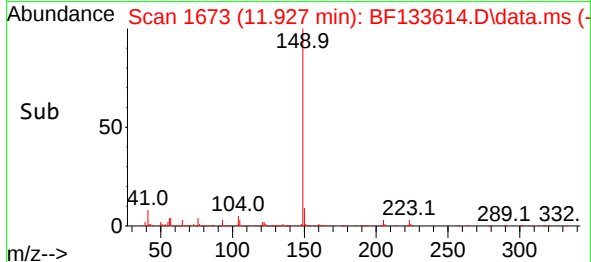
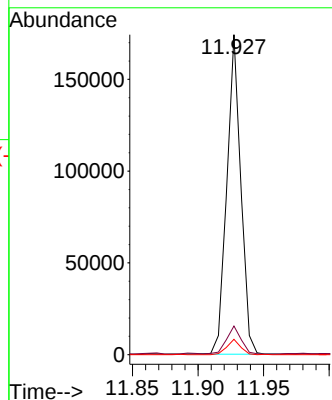
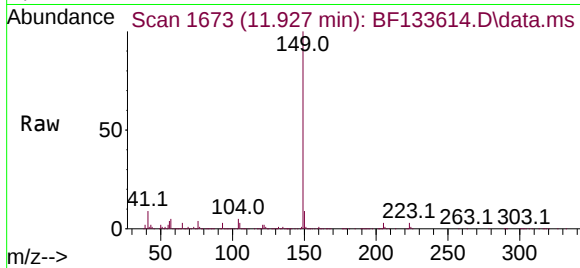
#74
Di-n-butylphthalate
Concen: 7.170 ng
RT: 11.927 min Scan# 1673
Delta R.T. 0.000 min
Lab File: BF133614.D
Acq: 07 Jun 2023 04:45

Instrument :
BNA_F
ClientSampleId :
WC04

Tgt Ion:149 Resp: 12883
Ion Ratio Lower Upper
149 100
150 8.9 7.4 11.2
104 4.8 3.9 5.9

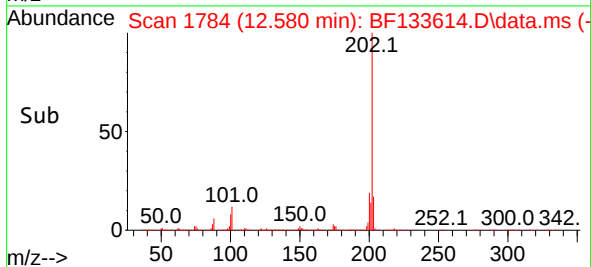
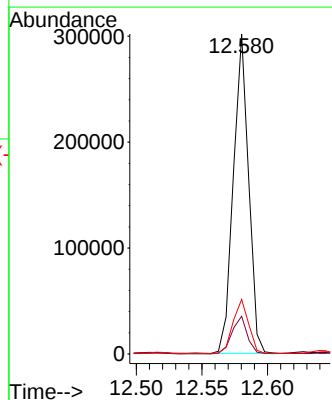
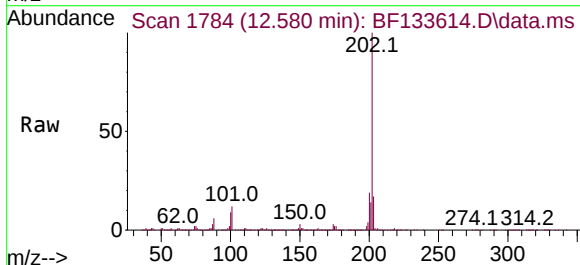
Manual Integrations
APPROVED

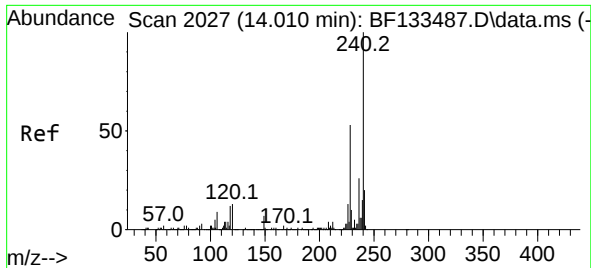
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#75
Fluoranthene
Concen: 14.147 ng
RT: 12.580 min Scan# 1784
Delta R.T. 0.000 min
Lab File: BF133614.D
Acq: 07 Jun 2023 04:45

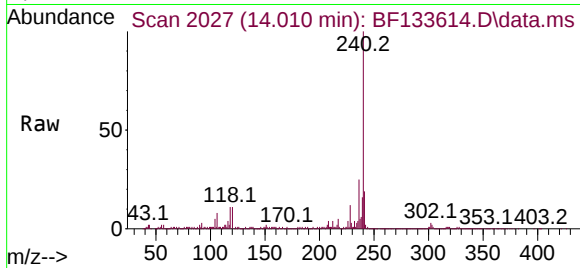
Tgt Ion:202 Resp: 243971
Ion Ratio Lower Upper
202 100
101 11.8 0.0 32.2
203 17.0 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF133614.D
Acq: 07 Jun 2023 04:45

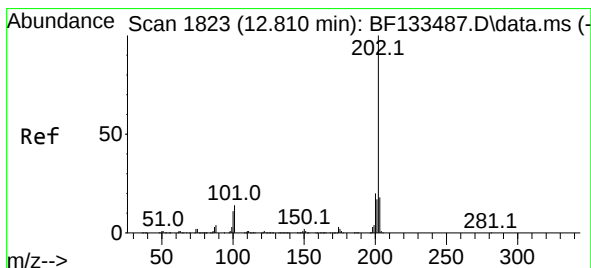
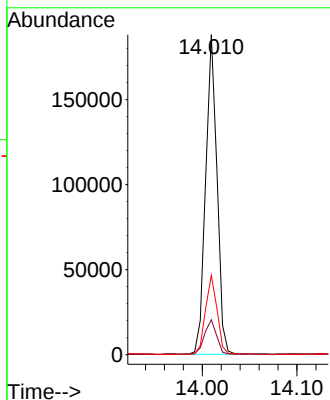
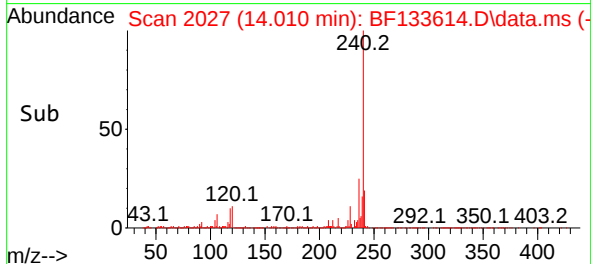
Instrument :
BNA_F
ClientSampleId :
WC04



Tgt Ion:240 Resp: 156498
Ion Ratio Lower Upper
240 100
120 10.9 10.3 15.5
236 24.7 20.5 30.7

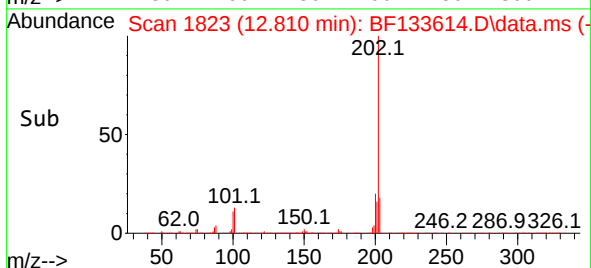
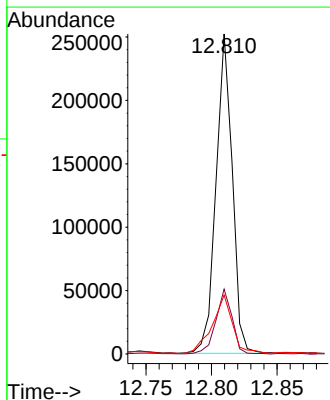
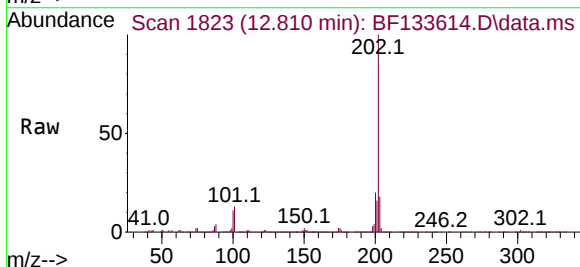
Manual Integrations
APPROVED

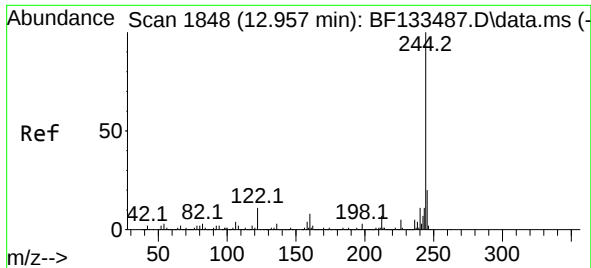
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#78
Pyrene
Concen: 16.289 ng
RT: 12.810 min Scan# 1823
Delta R.T. 0.000 min
Lab File: BF133614.D
Acq: 07 Jun 2023 04:45

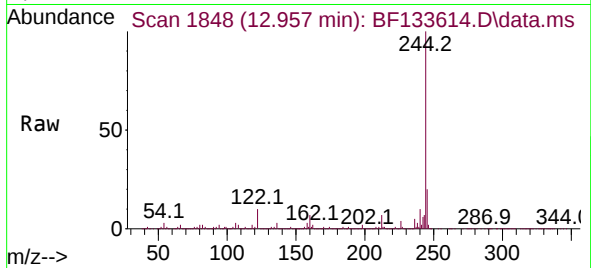
Tgt Ion:202 Resp: 216922
Ion Ratio Lower Upper
202 100
200 20.3 16.3 24.5
203 18.4 14.3 21.5





#79
 Terphenyl-d14
 Concen: 79.220 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. 0.000 min
 Lab File: BF133614.D
 Acq: 07 Jun 2023 04:45

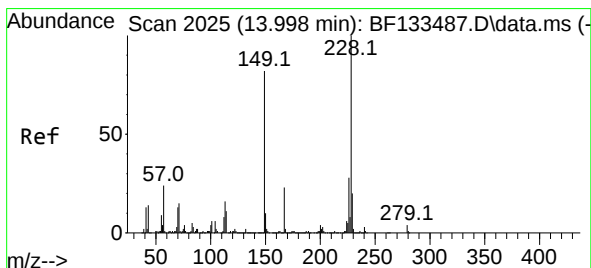
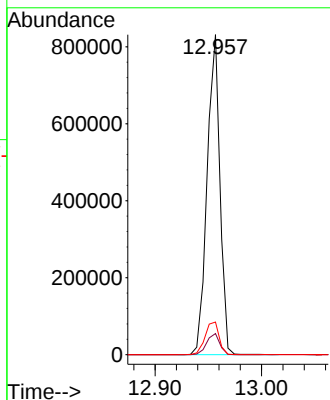
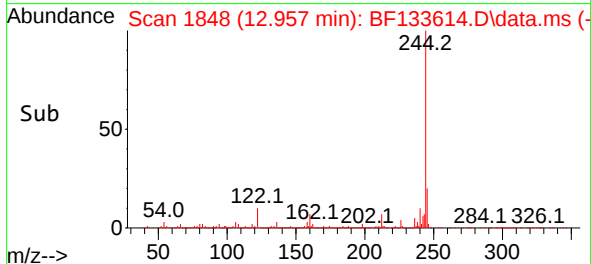
Instrument :
 BNA_F
 ClientSampleId :
 WC04



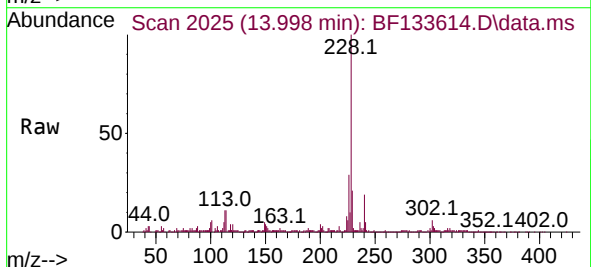
Tgt Ion:244 Resp: 697298
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.6
 122 10.2 8.5 12.7

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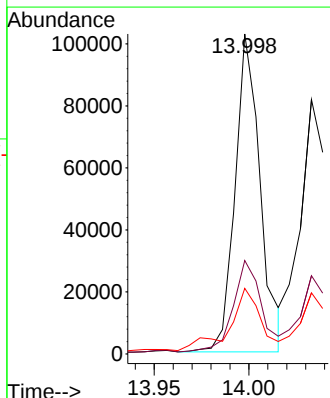
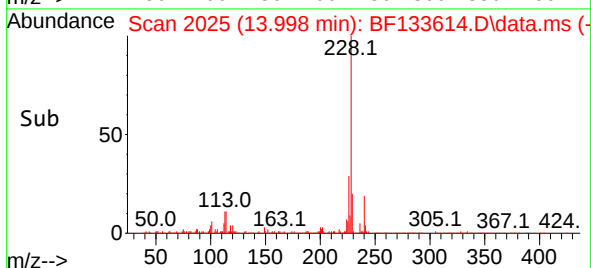
Reviewed By :Yogesh Patel 06/07/2023
 Supervised By :mohammad ahmed 06/08/2023

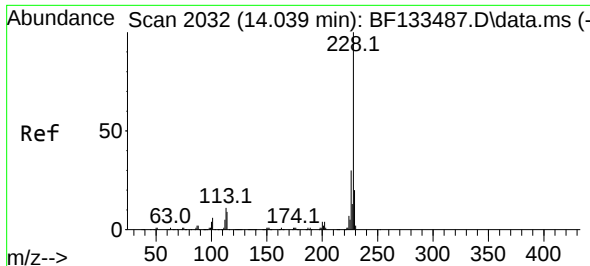


#81
 Benzo(a)anthracene
 Concen: 9.073 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. 0.000 min
 Lab File: BF133614.D
 Acq: 07 Jun 2023 04:45



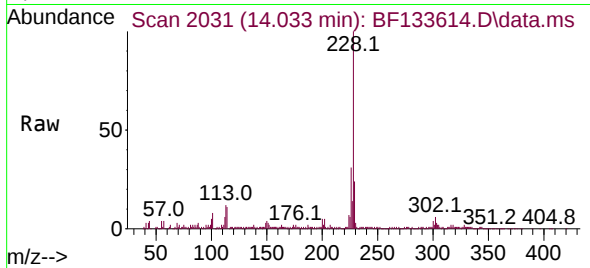
Tgt Ion:228 Resp: 94586
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.3 33.5
 229 20.5 16.1 24.1





#83
Chrysene
Concen: 7.558 ng m
RT: 14.033 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133614.D
Acq: 07 Jun 2023 04:45

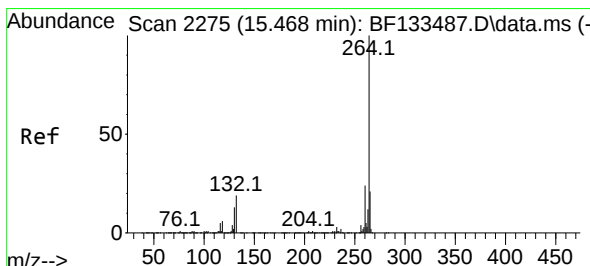
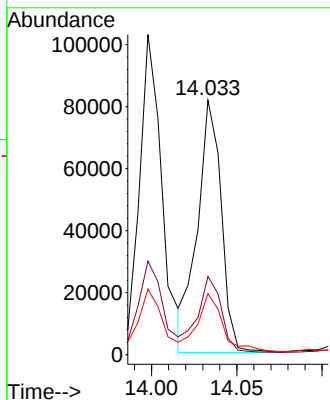
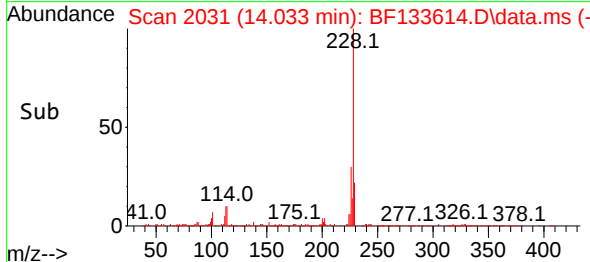
Instrument :
BNA_F
ClientSampleId :
WC04



Tgt Ion:228 Resp: 79542
Ion Ratio Lower Upper
228 100
226 30.8 24.1 36.1
229 24.0 15.8 23.8

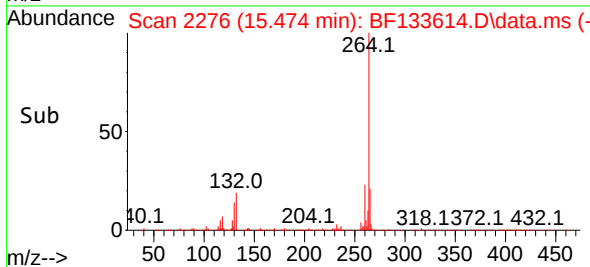
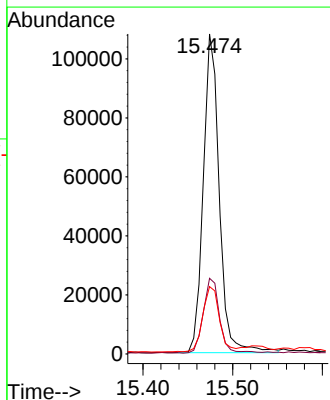
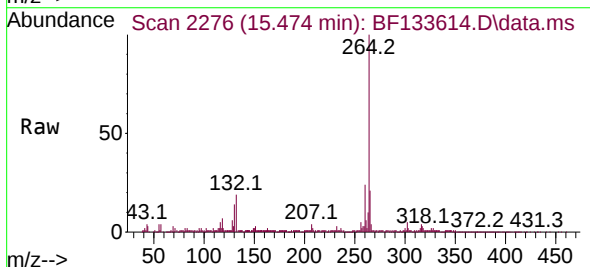
Manual Integrations
APPROVED

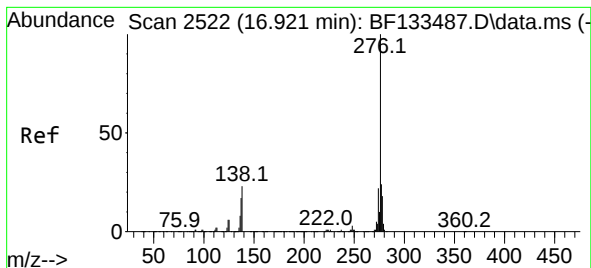
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF133614.D
Acq: 07 Jun 2023 04:45

Tgt Ion:264 Resp: 133758
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.4
265 21.0 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.513 ng

RT: 16.933 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133614.D

Acq: 07 Jun 2023 04:45

Instrument :

BNA_F

ClientSampleId :

WC04

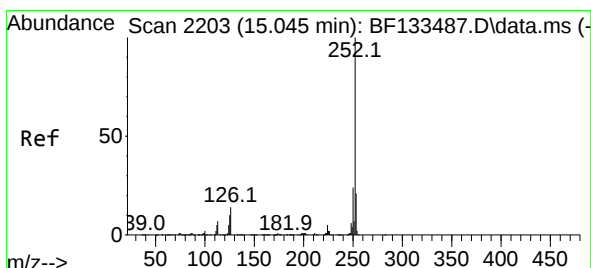
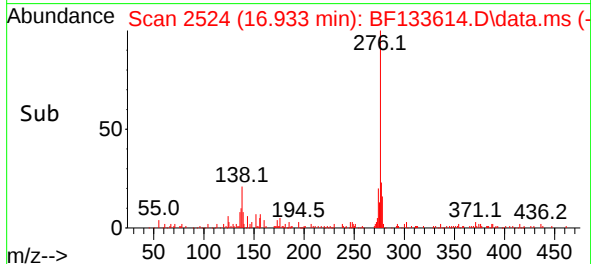
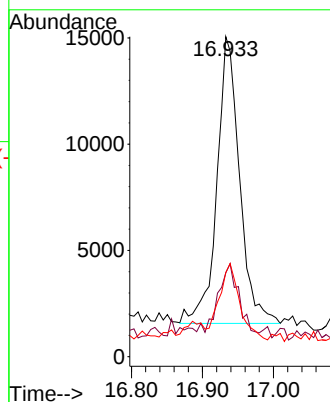
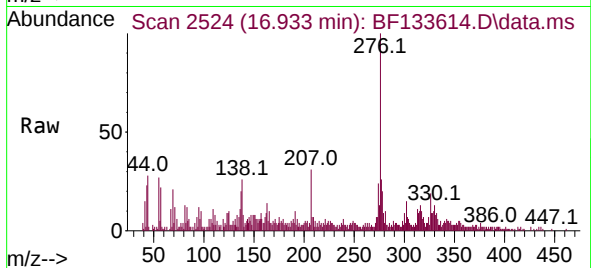
Tgt Ion:276 Resp: 29934
 Ion Ratio Lower Upper
 276 100
 138 26.1 21.4 32.2
 277 24.4 20.0 30.0

Manual Integrations

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Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#88

Benzo(b)fluoranthene

Concen: 10.640 ng m

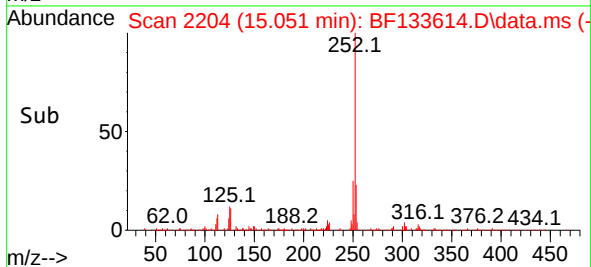
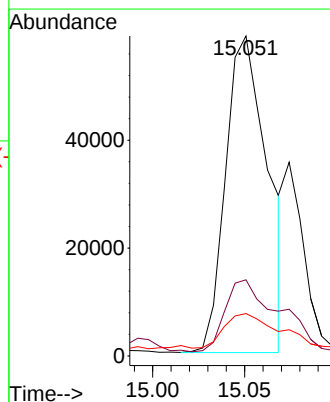
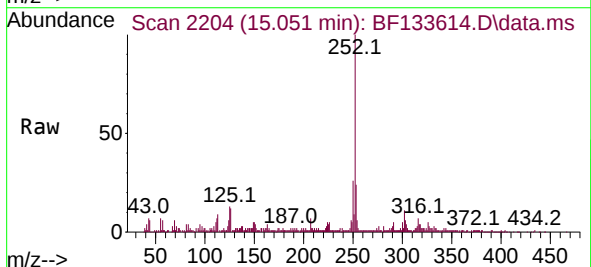
RT: 15.051 min Scan# 2204

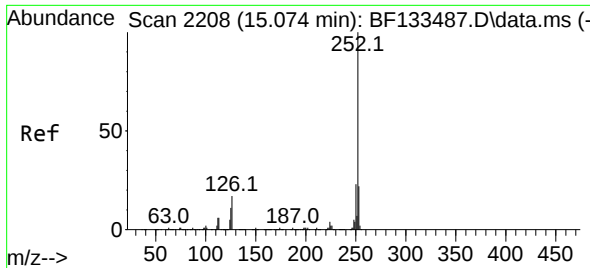
Delta R.T. 0.006 min

Lab File: BF133614.D

Acq: 07 Jun 2023 04:45

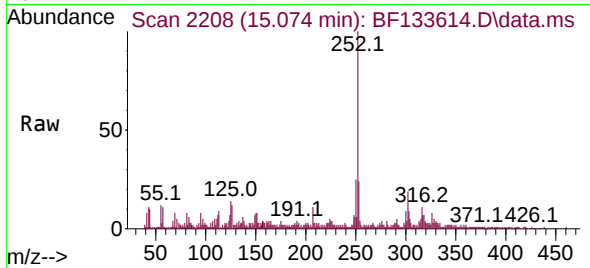
Tgt Ion:252 Resp: 92678
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.2 25.8
 125 13.2 8.1 12.1#





#89
Benzo(k)fluoranthene
Concen: 3.137 ng m
RT: 15.074 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF133614.D
Acq: 07 Jun 2023 04:45

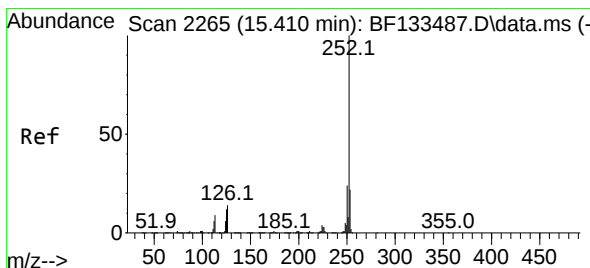
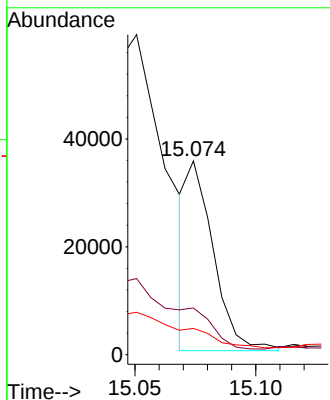
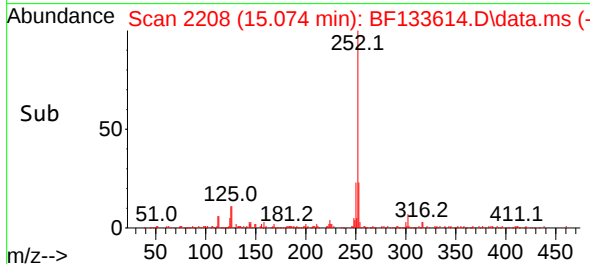
Instrument :
BNA_F
ClientSampleId :
WC04



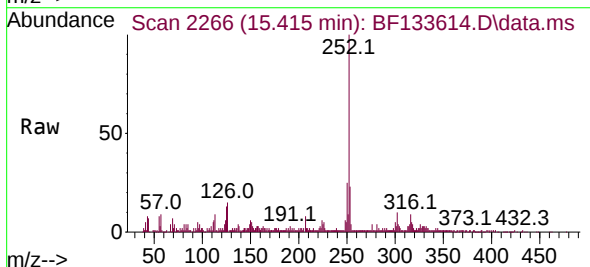
Tgt Ion:252 Resp: 26639
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.2
125 13.6 8.3 12.5

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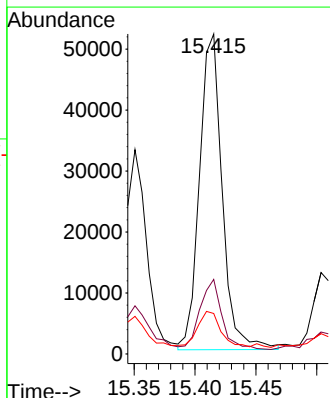
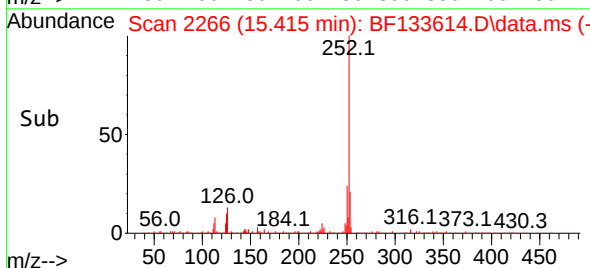
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023

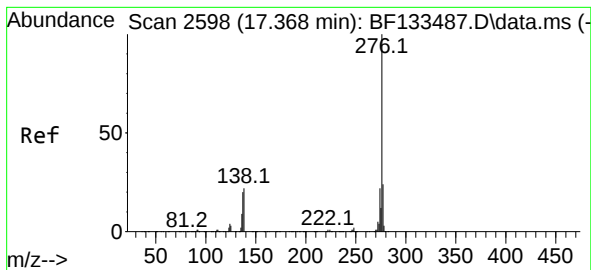


#90
Benzo(a)pyrene
Concen: 8.472 ng
RT: 15.415 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BF133614.D
Acq: 07 Jun 2023 04:45



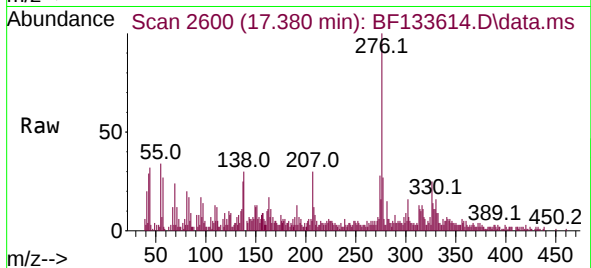
Tgt Ion:252 Resp: 67147
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 12.6 9.4 14.0





#92
 Benzo(g,h,i)perylene
 Concen: 4.828 ng
 RT: 17.380 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: BF133614.D
 Acq: 07 Jun 2023 04:45

Instrument :
 BNA_F
 ClientSampleId :
 WC04



Tgt Ion: 276 Resp: 3362

Ion	Ratio	Lower	Upper
276	100		
277	26.5	18.8	28.2
138	30.4	17.8	26.6

Manual Integrations
 APPROVED

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

