

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
 Data File : BF133657.D
 Acq On : 09 Jun 2023 00:29
 Operator : CG\JU
 Sample : 03069-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC35

Manual Integrations
 APPROVED

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

Quant Time: Jun 09 01:51:47 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	6.839	152	123749	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	437135	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	185724	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	329673	20.000	ng	# 0.00
76) Chrysene-d12	14.010	240	193111	20.000	ng	0.00
86) Perylene-d12	15.480	264	171419	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	625175	84.290	ng	0.01
7) Phenol-d6	6.469	99	744377	81.528	ng	0.00
23) Nitrobenzene-d5	7.404	82	469098	71.651	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	174739	94.386	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	827835	68.796	ng	0.00
79) Terphenyl-d14	12.957	244	728421	67.066	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.386	178	33499	2.006	ng	99
75) Fluoranthene	12.580	202	84587	4.586	ng	98
78) Pyrene	12.810	202	78889	4.801	ng	98
81) Benzo(a)anthracene	14.004	228	42467	3.301	ng	97
83) Chrysene	14.039	228	41338	3.183	ng	96
88) Benzo(b)fluoranthene	15.051	252	39928m	3.577	ng	
90) Benzo(a)pyrene	15.415	252	24000	2.363	ng	# 91

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

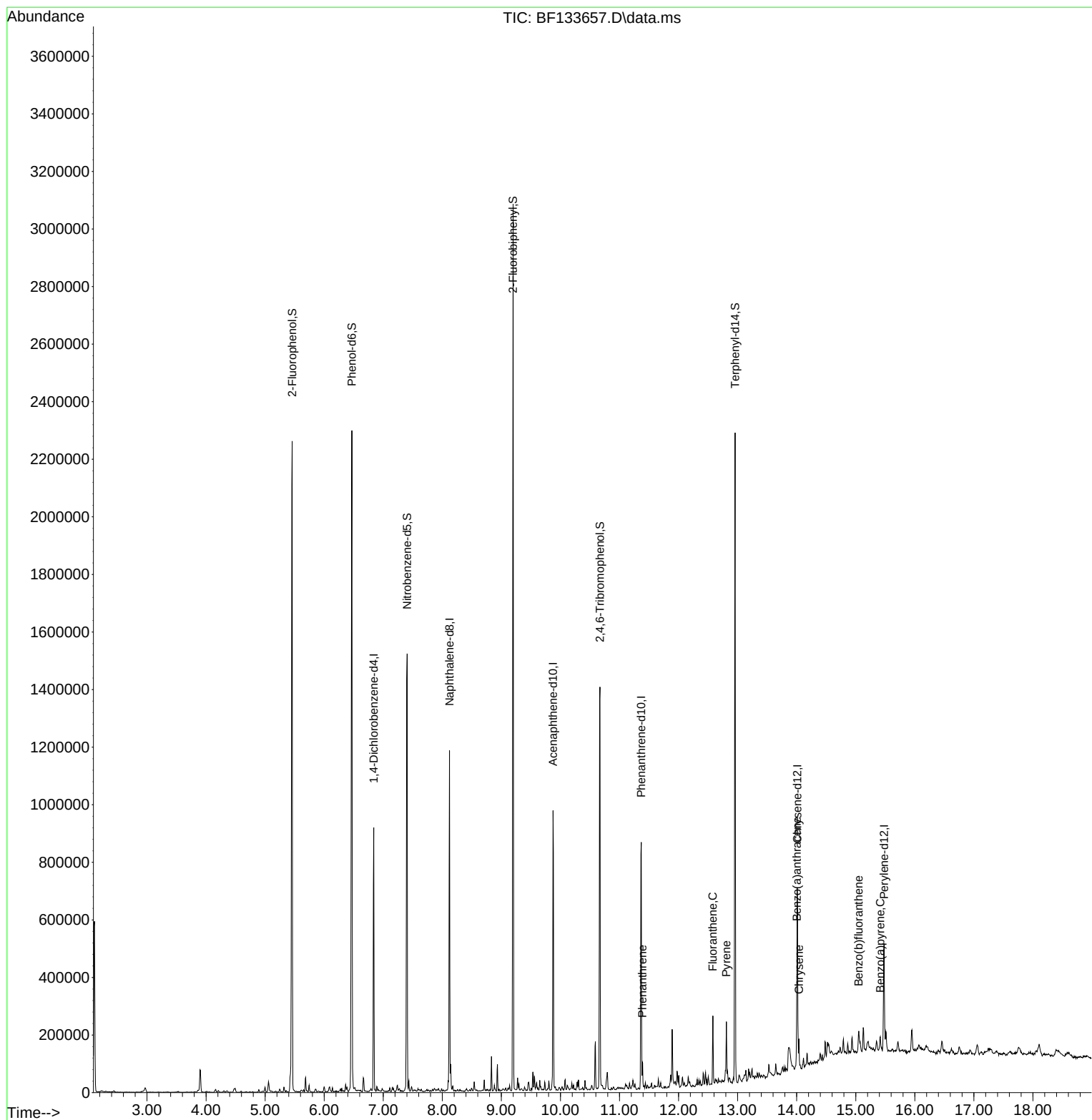
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
Data File : BF133657.D
Acq On : 09 Jun 2023 00:29
Operator : CG\JU
Sample : 03069-06
Misc :
ALS Vial : 23 Sample Multiplier: 1

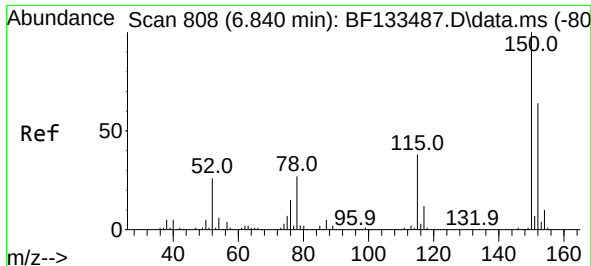
Instrument :
BNA_F
ClientSampleId :
WC35

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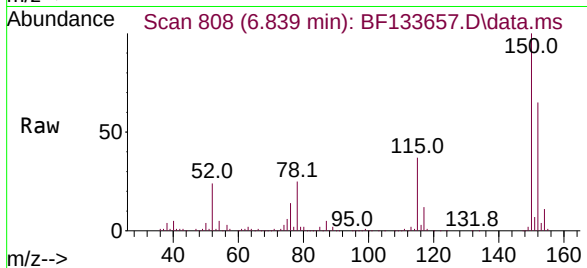
Quant Time: Jun 09 01:51:47 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 08 11:43:32 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

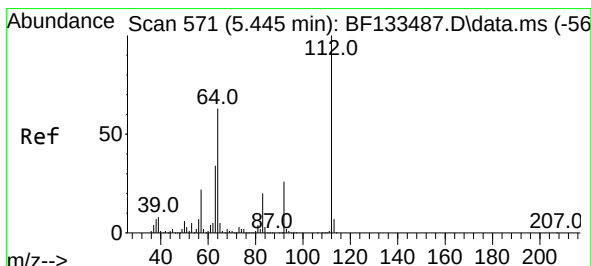
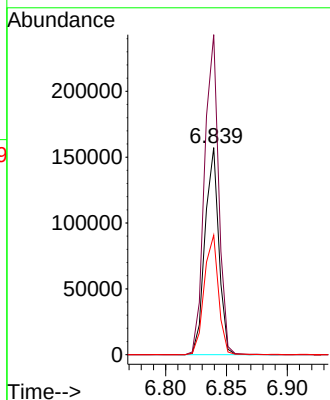
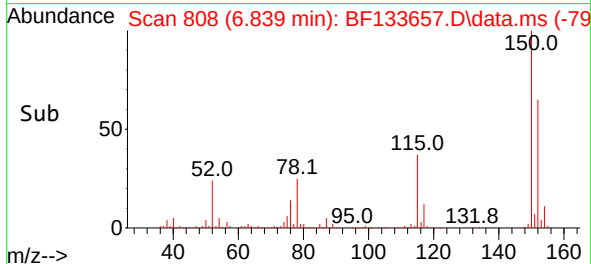
Instrument :
BNA_F
ClientSampleId :
WC35



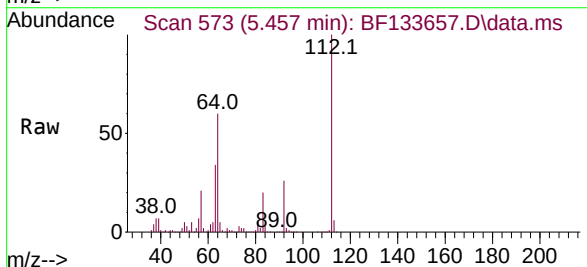
Tgt Ion:152 Resp: 123749
Ion Ratio Lower Upper
152 100
150 154.6 124.9 187.3
115 57.8 48.1 72.1

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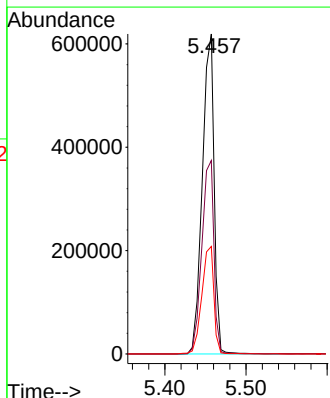
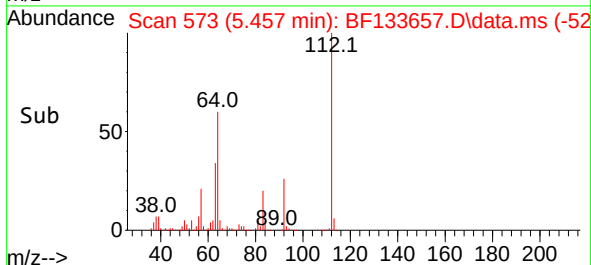
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023

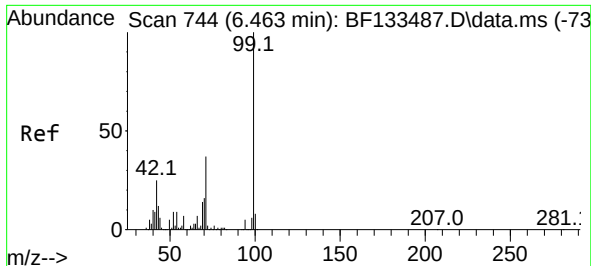


#5
2-Fluorophenol
Concen: 84.290 ng
RT: 5.457 min Scan# 573
Delta R.T. 0.012 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29



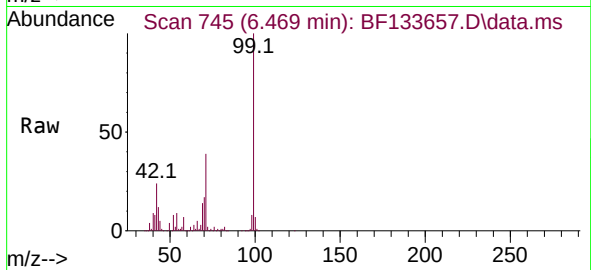
Tgt Ion:112 Resp: 625175
Ion Ratio Lower Upper
112 100
64 60.4 50.1 75.1
63 33.6 27.5 41.3





#7
Phenol-d6
Concen: 81.528 ng
RT: 6.469 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

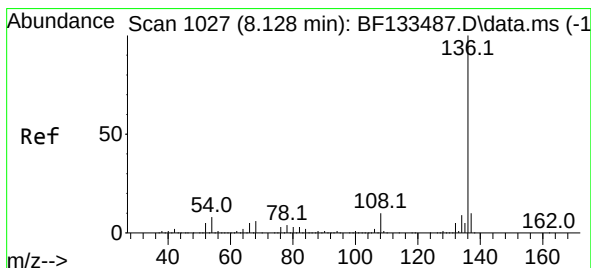
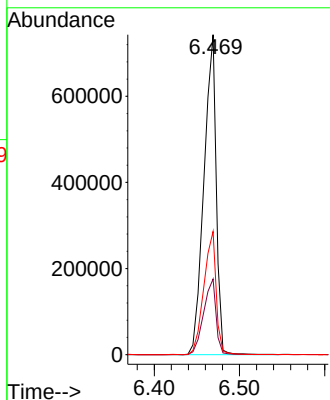
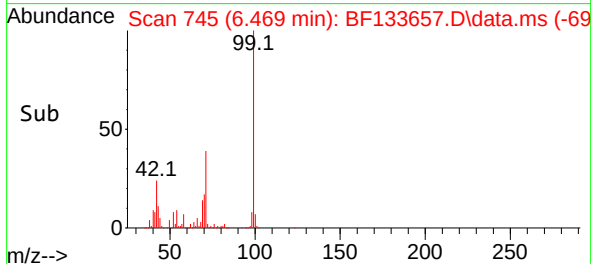
Instrument :
BNA_F
ClientSampleId :
WC35



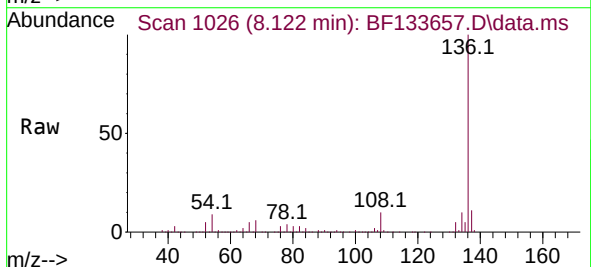
Tgt Ion: 99 Resp: 74437
Ion Ratio Lower Upper
99 100
42 23.6 19.7 29.5
71 38.5 29.8 44.8

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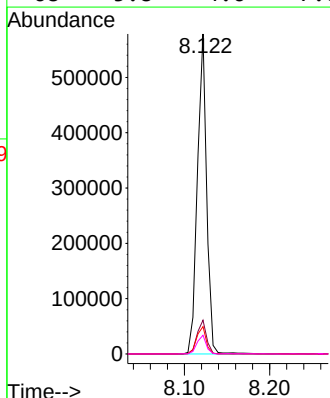
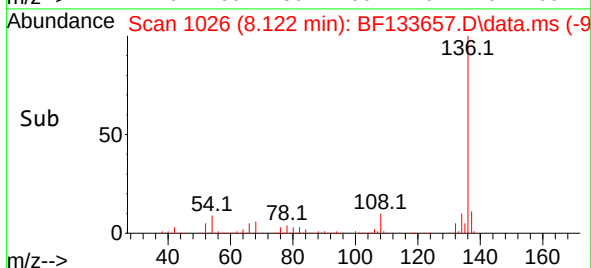
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023

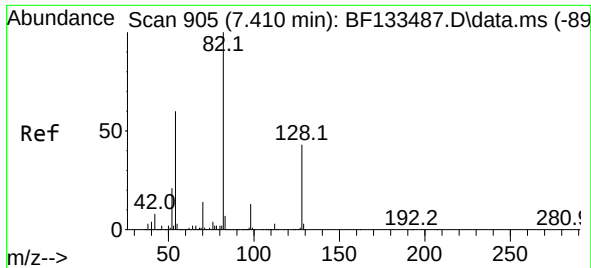


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29



Tgt Ion:136 Resp: 437135
Ion Ratio Lower Upper
136 100
137 10.6 8.2 12.4
54 8.6 6.6 10.0
68 5.8 4.6 7.0





#23

Nitrobenzene-d5

Concen: 71.651 ng

RT: 7.404 min Scan# 904

Delta R.T. 0.000 min

Lab File: BF133657.D

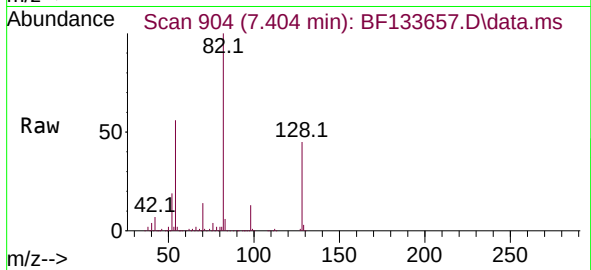
Acq: 09 Jun 2023 00:29

Instrument :

BNA_F

ClientSampleId :

WC35



Tgt Ion: 82 Resp: 469098

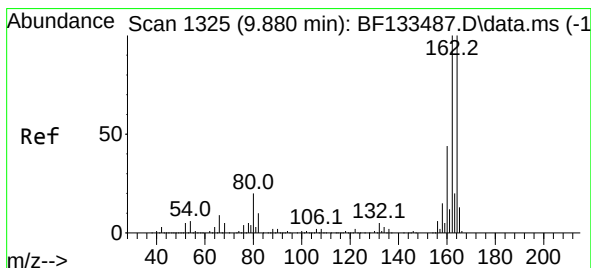
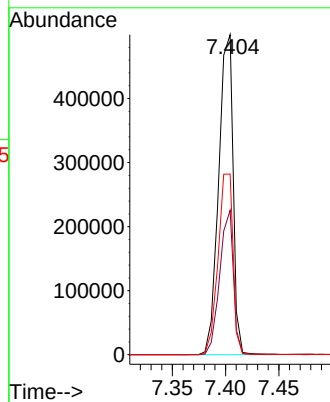
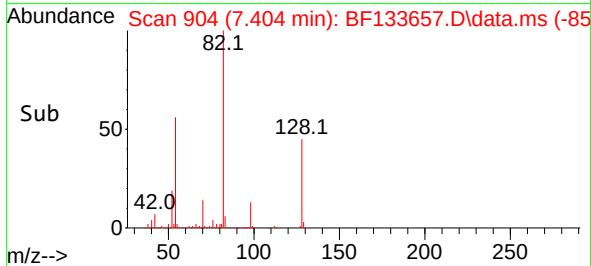
Ion	Ratio	Lower	Upper
82	100		
128	45.1	34.2	51.4
54	56.5	48.2	72.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1324

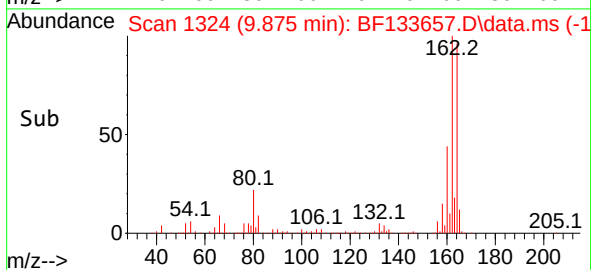
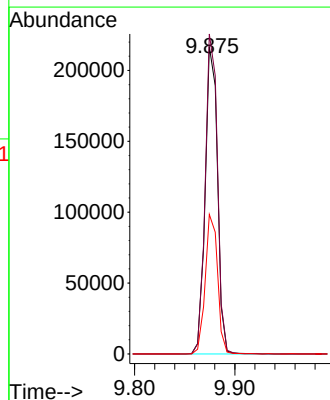
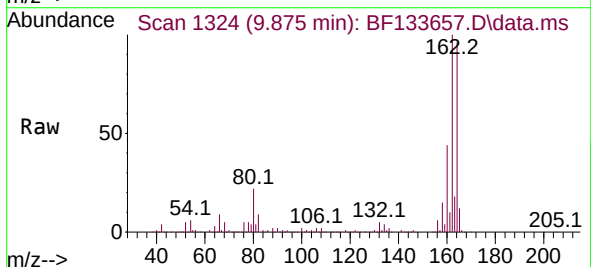
Delta R.T. -0.006 min

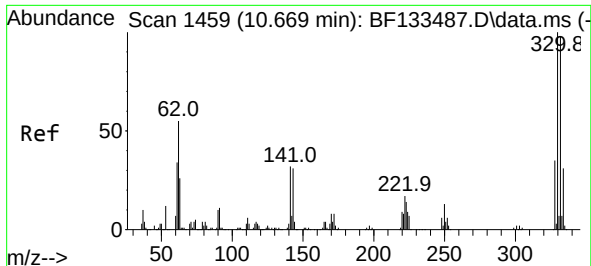
Lab File: BF133657.D

Acq: 09 Jun 2023 00:29

Tgt Ion:164 Resp: 185724

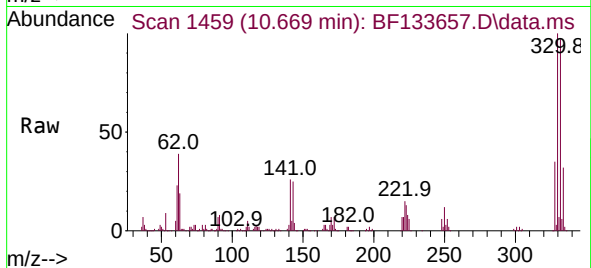
Ion	Ratio	Lower	Upper
164	100		
162	104.1	79.7	119.5
160	45.4	35.4	53.0





#42
2,4,6-Tribromophenol
Concen: 94.386 ng
RT: 10.669 min Scan# 1459
Delta R.T. 0.000 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

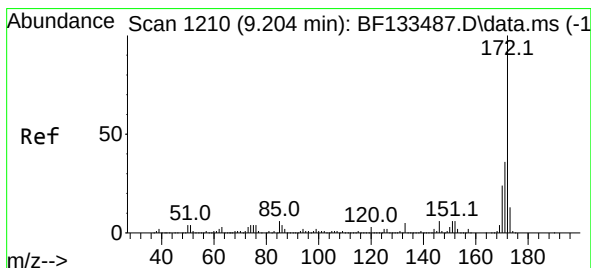
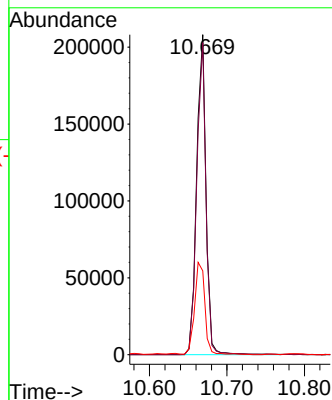
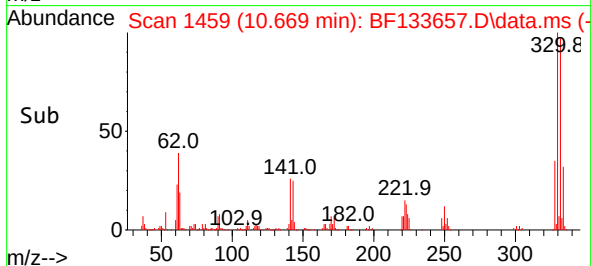
Instrument :
BNA_F
ClientSampleId :
WC35



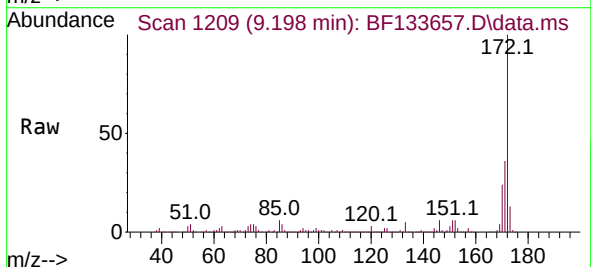
Tgt Ion:330 Resp: 174739
Ion Ratio Lower Upper
330 100
332 95.7 77.8 116.6
141 32.0 26.6 40.0

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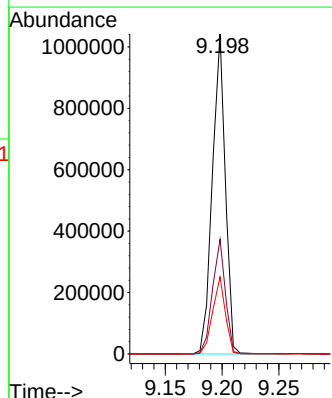
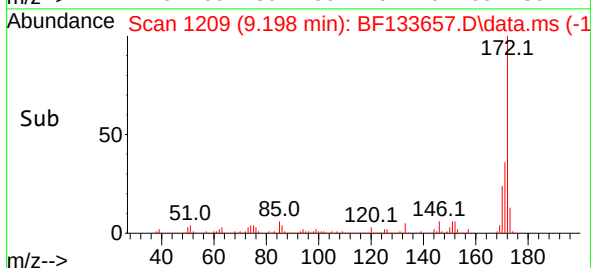
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023

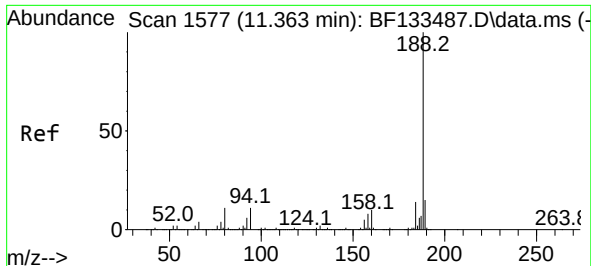


#45
2-Fluorobiphenyl
Concen: 68.796 ng
RT: 9.198 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29



Tgt Ion:172 Resp: 827835
Ion Ratio Lower Upper
172 100
171 35.9 28.4 42.6
170 24.1 19.3 28.9





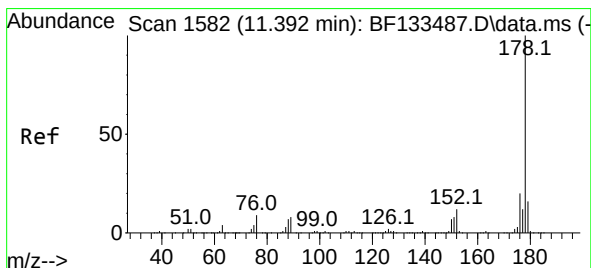
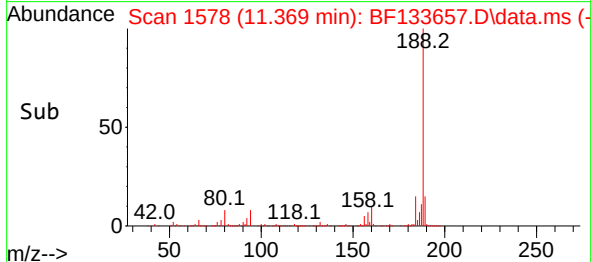
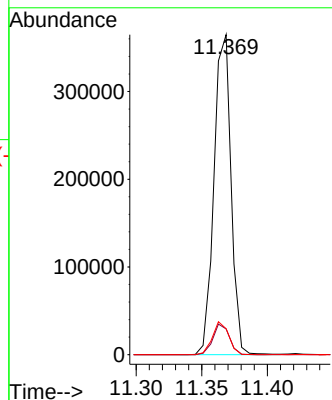
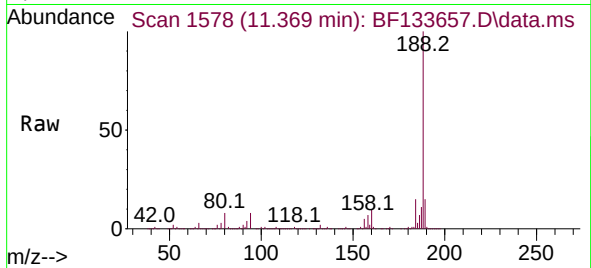
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

Instrument :
BNA_F
ClientSampleId :
WC35

Tgt Ion:188 Resp: 32967
Ion Ratio Lower Upper
188 100
94 8.1 8.6 12.8
80 8.1 9.2 13.8

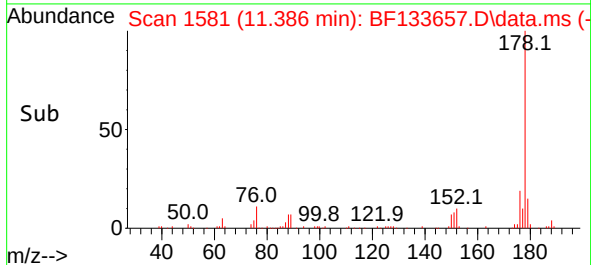
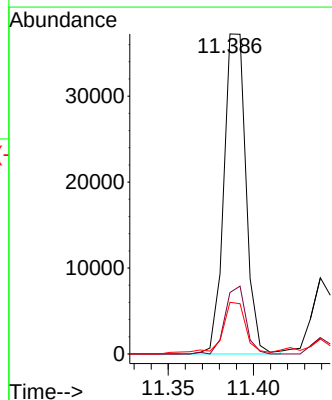
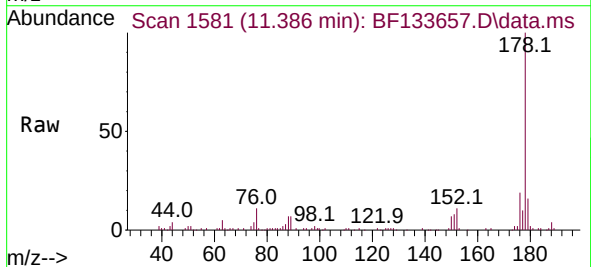
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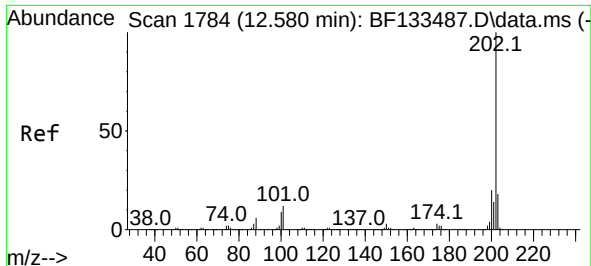
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#71
Phenanthrene
Concen: 2.006 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

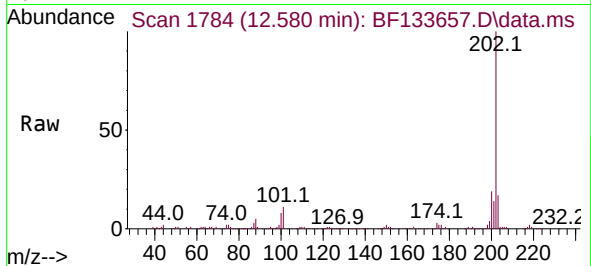
Tgt Ion:178 Resp: 33499
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 16.1 12.4 18.6





#75
Fluoranthene
Concen: 4.586 ng
RT: 12.580 min Scan# 1784
Delta R.T. -0.006 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

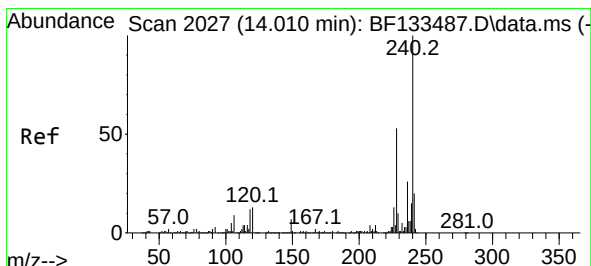
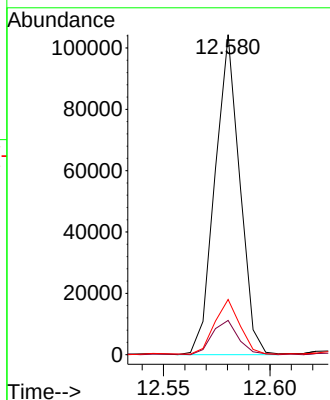
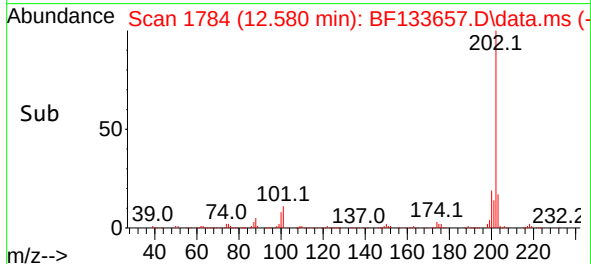
Instrument :
BNA_F
ClientSampleId :
WC35



Tgt Ion:202 Resp: 8458
Ion Ratio Lower Upper
202 100
101 10.7 0.0 32.2
203 17.3 0.0 37.8

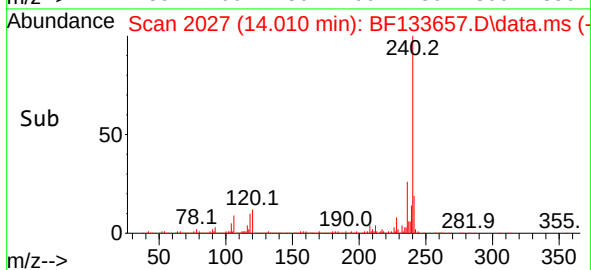
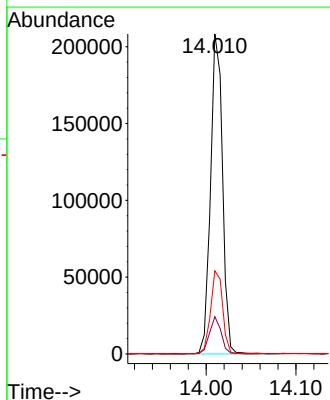
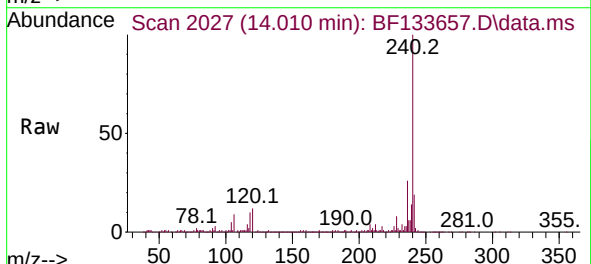
Manual Integrations
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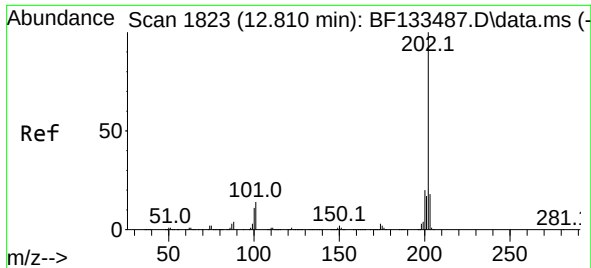
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

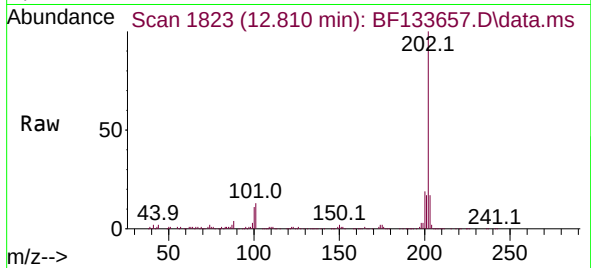
Tgt Ion:240 Resp: 193111
Ion Ratio Lower Upper
240 100
120 11.7 10.3 15.5
236 26.0 20.5 30.7





#78
Pyrene
Concen: 4.801 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

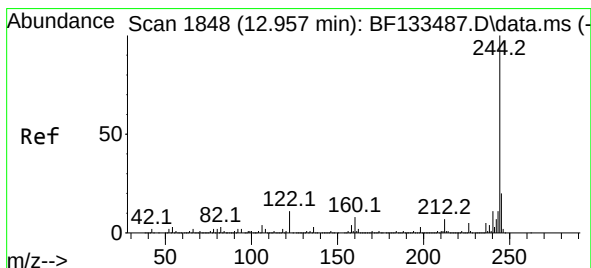
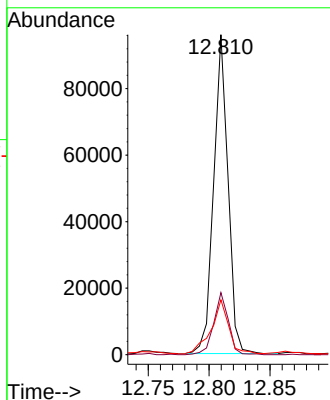
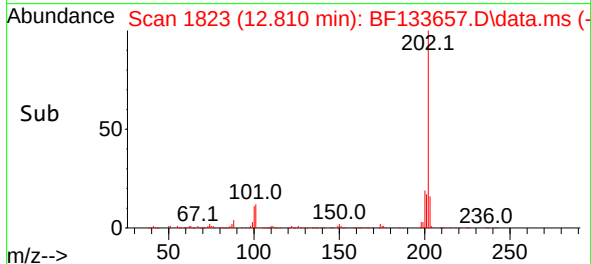
Instrument :
BNA_F
ClientSampleId :
WC35



Tgt Ion:202 Resp: 78889
Ion Ratio Lower Upper
202 100
200 19.4 16.3 24.5
203 17.2 14.3 21.5

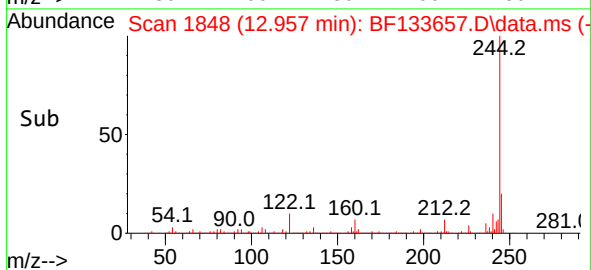
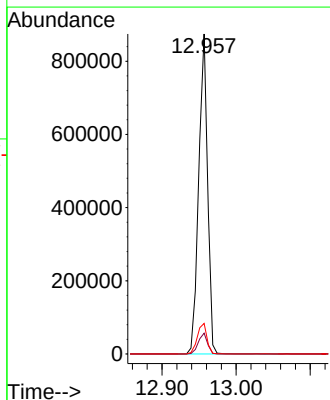
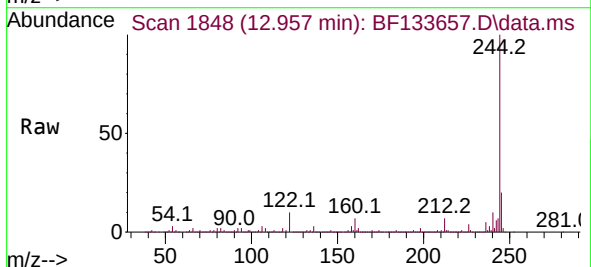
Manual Integrations
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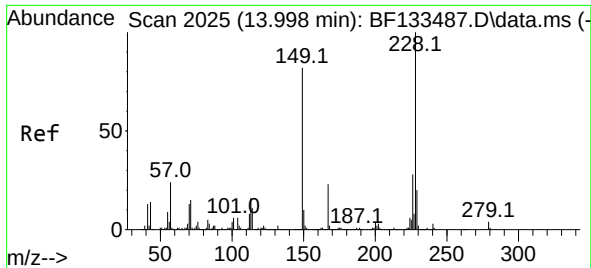
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#79
Terphenyl-d14
Concen: 67.066 ng
RT: 12.957 min Scan# 1848
Delta R.T. 0.000 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

Tgt Ion:244 Resp: 728421
Ion Ratio Lower Upper
244 100
212 6.5 5.8 8.6
122 9.5 8.5 12.7





#81
Benzo(a)anthracene
Concen: 3.301 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

Instrument :

BNA_F

ClientSampleId :

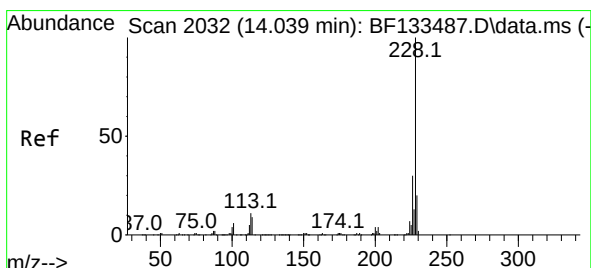
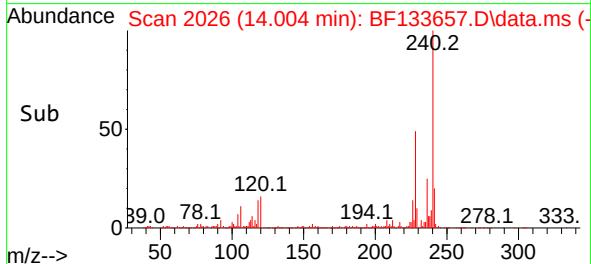
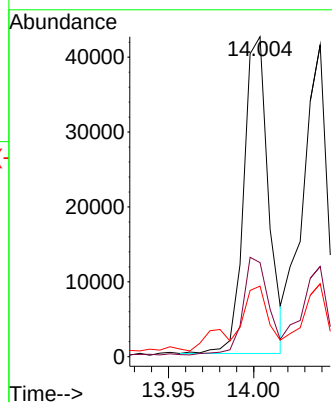
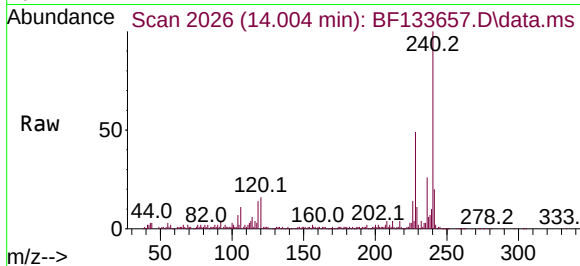
WC35

Tgt Ion:228 Resp: 4246
Ion Ratio Lower Upper
228 100
226 29.4 22.3 33.5
229 22.1 16.1 24.1

Manual Integrations

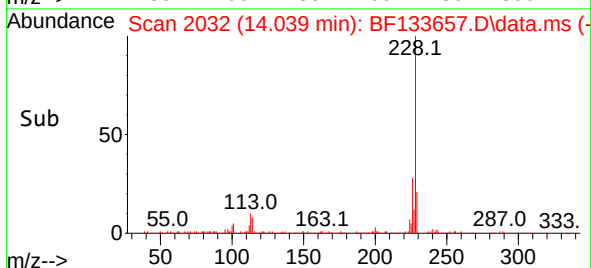
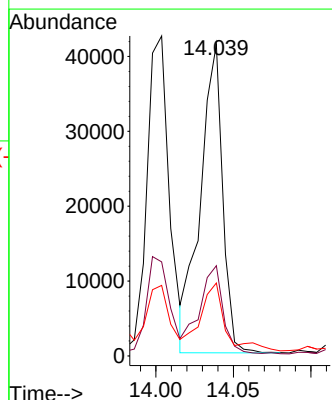
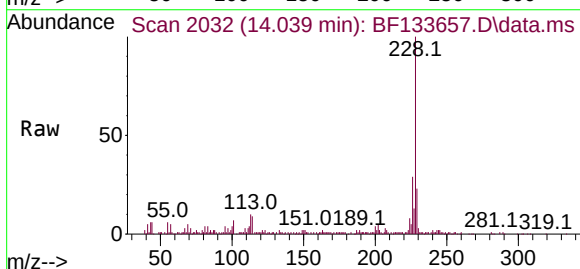
APPROVED

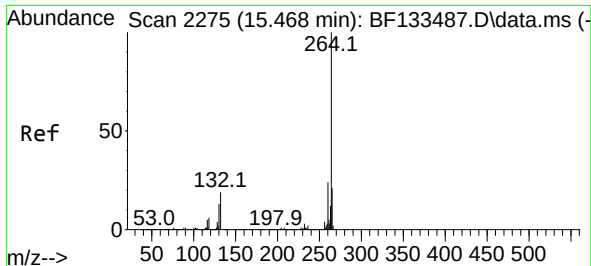
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#83
Chrysene
Concen: 3.183 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

Tgt Ion:228 Resp: 41338
Ion Ratio Lower Upper
228 100
226 28.9 24.1 36.1
229 23.4 15.8 23.8





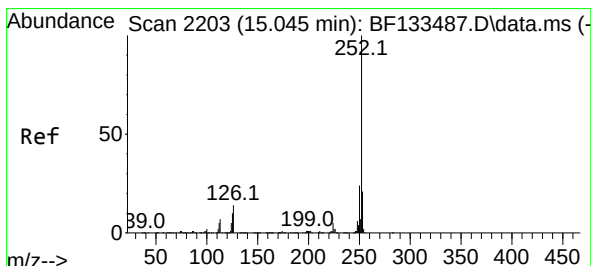
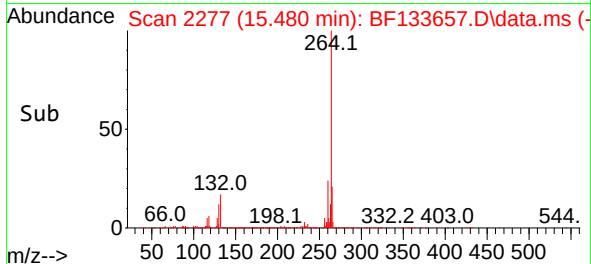
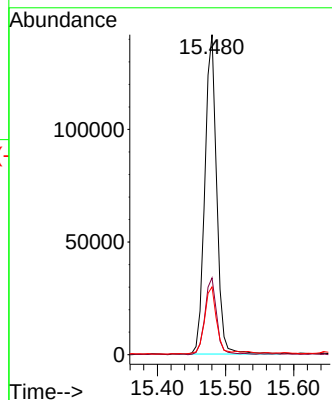
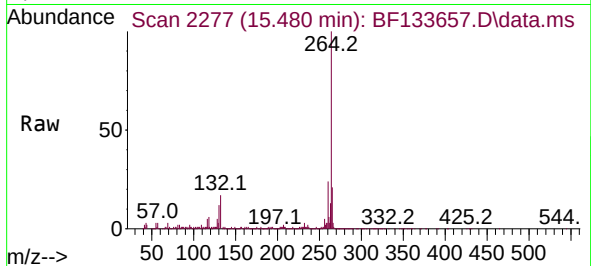
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

Instrument :
BNA_F
ClientSampleId :
WC35

Tgt Ion:264 Resp: 171419
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.4
265 21.2 16.8 25.2

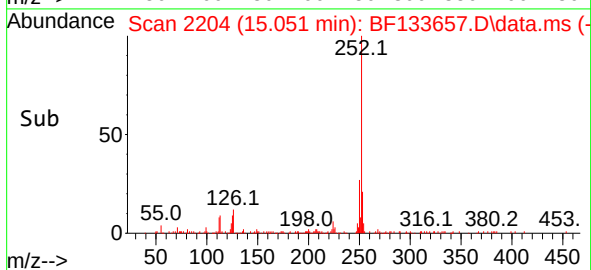
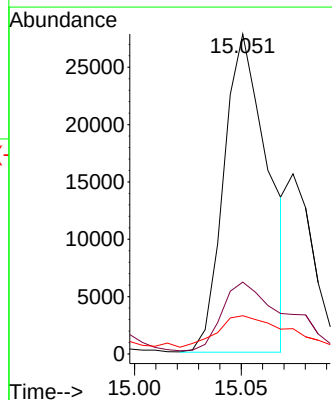
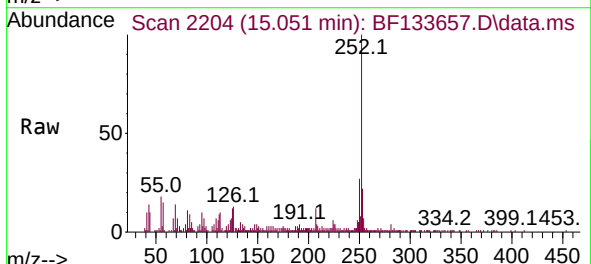
Manual Integrations
APPROVED

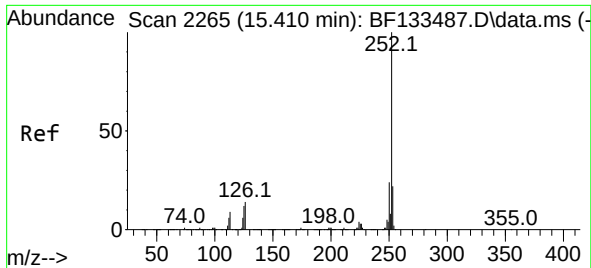
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#88
Benzo(b)fluoranthene
Concen: 3.577 ng m
RT: 15.051 min Scan# 2204
Delta R.T. 0.000 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

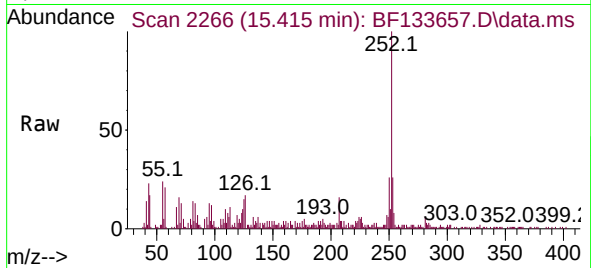
Tgt Ion:252 Resp: 39928
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 11.9 8.1 12.1





#90
Benzo(a)pyrene
Concen: 2.363 ng
RT: 15.415 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

Instrument :
BNA_F
ClientSampleId :
WC35



Tgt Ion:252 Resp: 24000
Ion Ratio Lower Upper
252 100
253 26.0 17.4 26.0
125 15.3 9.4 14.0

Manual Integrations
APPROVED

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

