

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
 Data File : BF133992.D
 Acq On : 27 Jun 2023 15:39
 Operator : CG\JU
 Sample : 03366-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC37

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/28/2023
 Supervised By :mohammad ahmed 06/29/2023

Quant Time: Jun 27 16:46:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 26 23:12:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	137219	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	496909	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	226521	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	392987	20.000	ng	0.00
76) Chrysene-d12	14.045	240	190267	20.000	ng	0.00
86) Perylene-d12	15.551	264	175263	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	715687	87.246	ng	0.00
7) Phenol-d6	6.487	99	802351	79.534	ng	0.00
23) Nitrobenzene-d5	7.410	82	565849	61.384	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	213243	75.082	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	899291	57.720	ng	0.00
79) Terphenyl-d14	12.980	244	623800	52.766	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.404	178	153785	7.773	ng	100
75) Fluoranthene	12.604	202	300398	14.045	ng	98
78) Pyrene	12.833	202	260089	14.689	ng	100
81) Benzo(a)anthracene	14.033	228	130825	9.914	ng	98
83) Chrysene	14.068	228	126704m	9.914	ng	
87) Indeno(1,2,3-cd)pyrene	17.086	276	46981	3.863	ng	96
88) Benzo(b)fluoranthene	15.104	252	139689m	13.555	ng	
89) Benzo(k)fluoranthene	15.133	252	50204m	4.785	ng	
90) Benzo(a)pyrene	15.480	252	91875	9.219	ng	99
92) Benzo(g,h,i)perylene	17.556	276	44860	4.379	ng	97

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

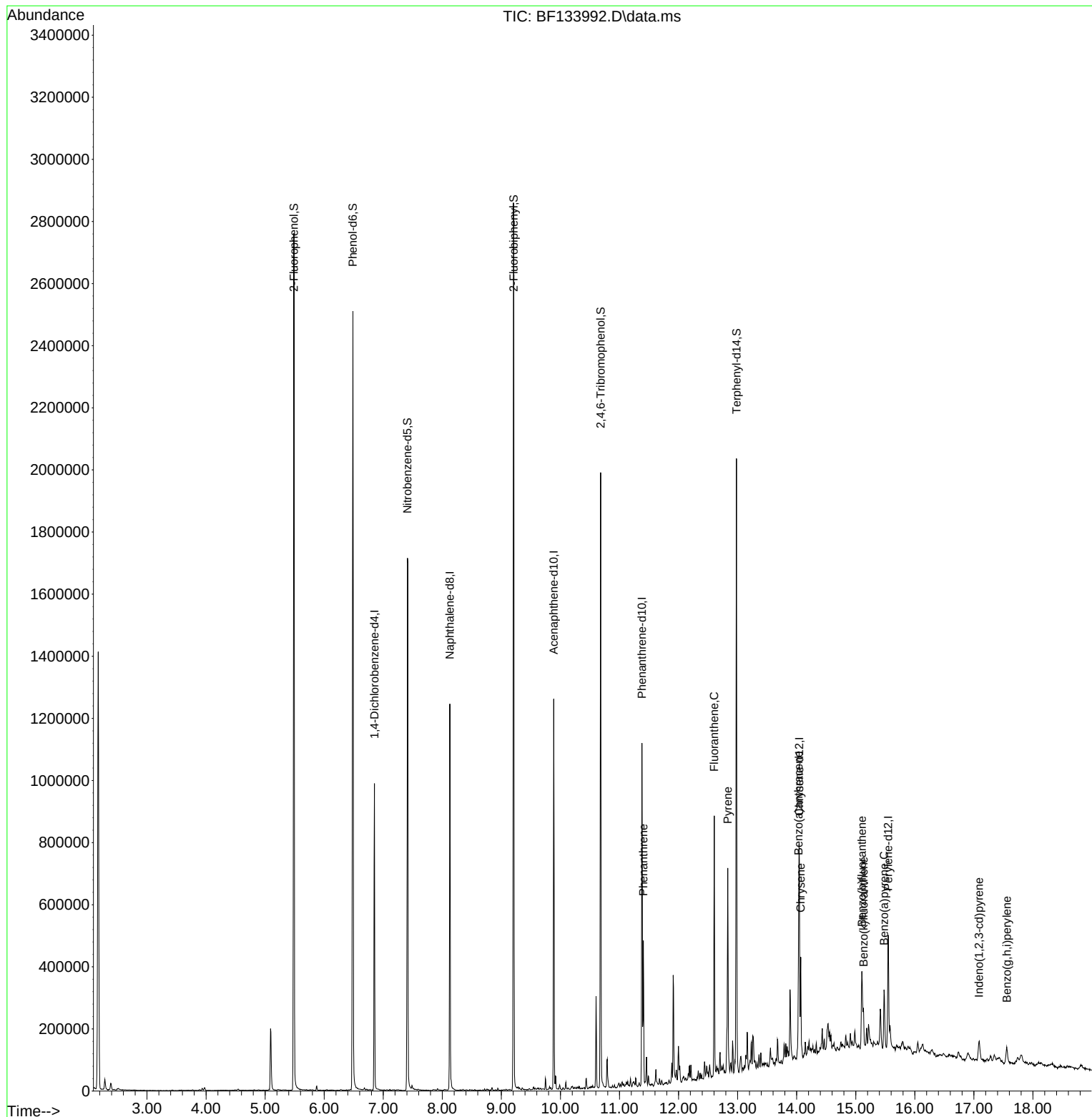
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF133992.D
Acq On : 27 Jun 2023 15:39
Operator : CG\JU
Sample : 03366-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

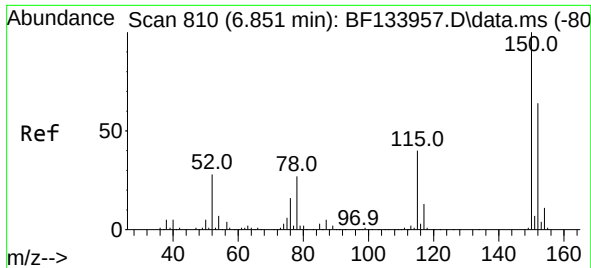
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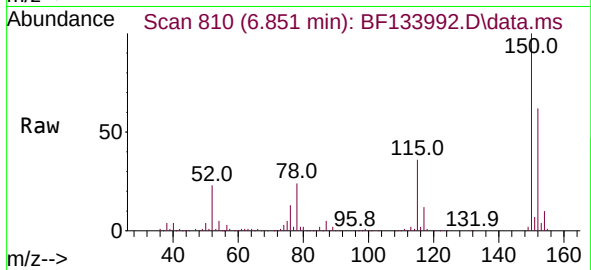
Quant Time: Jun 27 16:46:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 26 23:12:04 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF133992.D
Acq: 27 Jun 2023 15:39

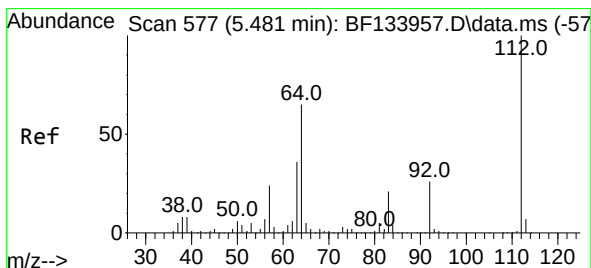
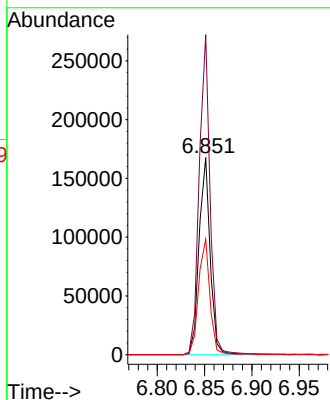
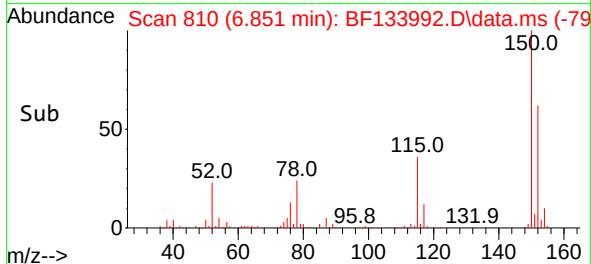
Instrument :
BNA_F
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WC37



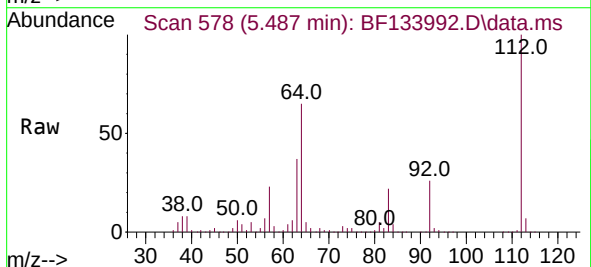
Tgt Ion:152 Resp: 137219
Ion Ratio Lower Upper
152 100
150 162.3 124.5 186.7
115 58.5 50.2 75.2

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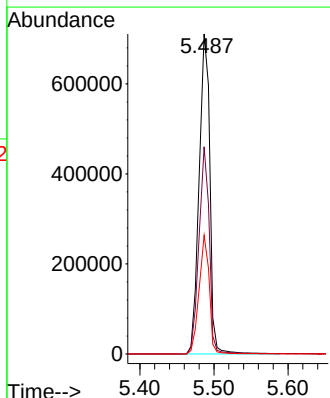
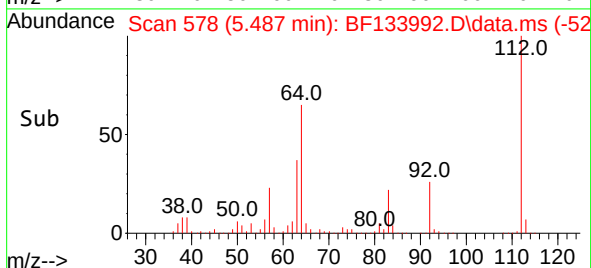
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

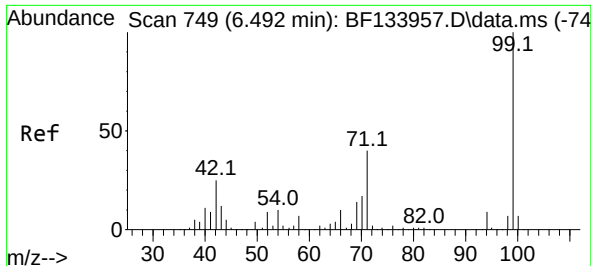


#5
2-Fluorophenol
Concen: 87.246 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF133992.D
Acq: 27 Jun 2023 15:39



Tgt Ion:112 Resp: 715687
Ion Ratio Lower Upper
112 100
64 64.7 52.1 78.1
63 37.1 28.6 42.8





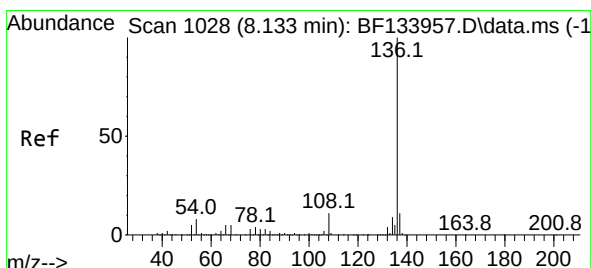
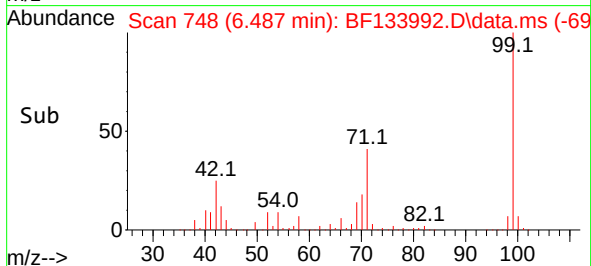
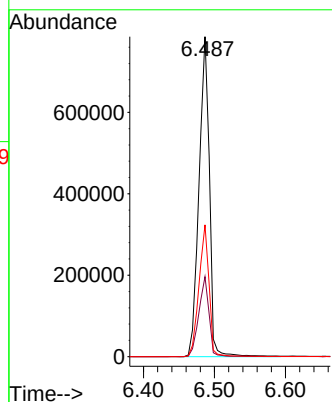
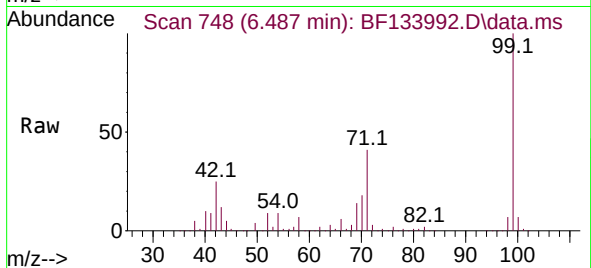
#7
Phenol-d6
Concen: 79.534 ng
RT: 6.487 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF133992.D
Acq: 27 Jun 2023 15:39

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 80235
Ion Ratio Lower Upper
99 100
42 25.0 19.8 29.6
71 41.2 31.9 47.9

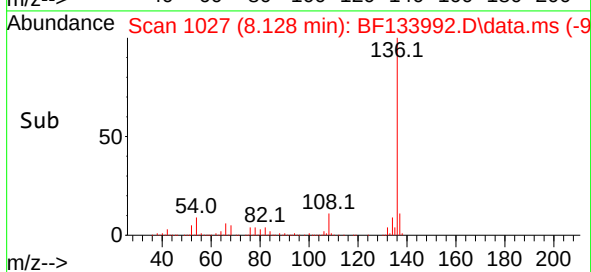
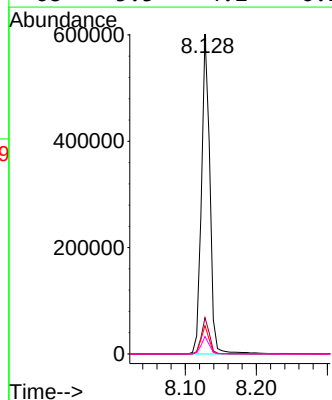
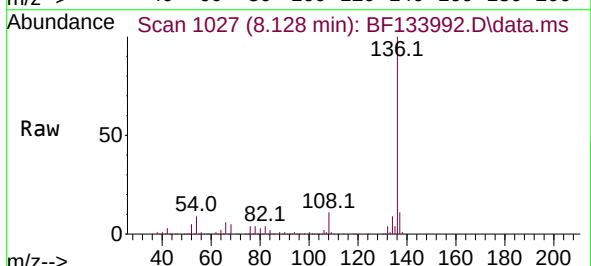
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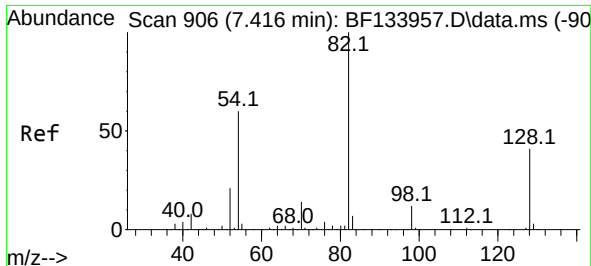
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF133992.D
Acq: 27 Jun 2023 15:39

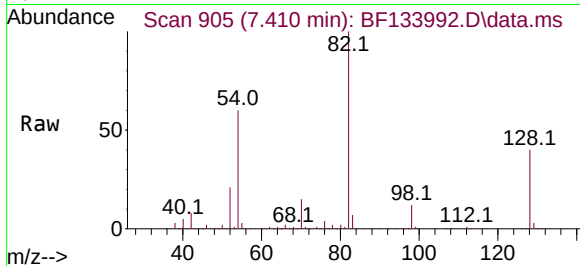
Tgt Ion:136 Resp: 496909
Ion Ratio Lower Upper
136 100
137 11.3 8.6 12.8
54 8.9 6.5 9.7
68 5.5 4.2 6.2





#23
Nitrobenzene-d5
Concen: 61.384 ng
RT: 7.410 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF133992.D
Acq: 27 Jun 2023 15:39

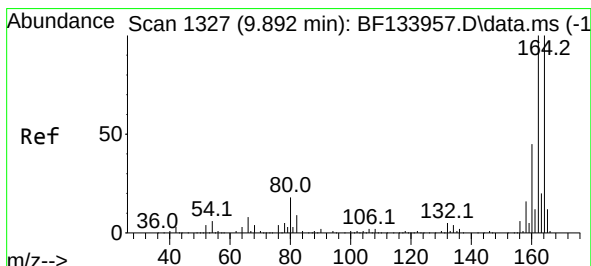
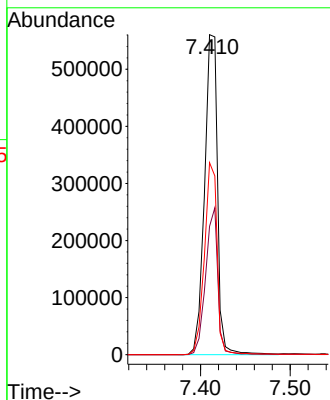
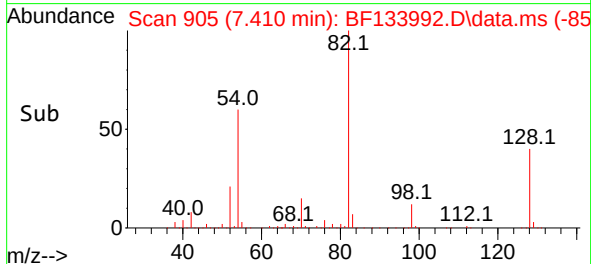
Instrument :
BNA_F
ClientSampleId :
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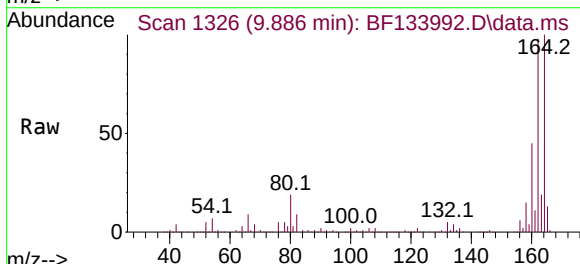
Tgt Ion: 82 Resp: 565849
Ion Ratio Lower Upper
82 100
128 40.1 32.5 48.7
54 60.0 48.2 72.2

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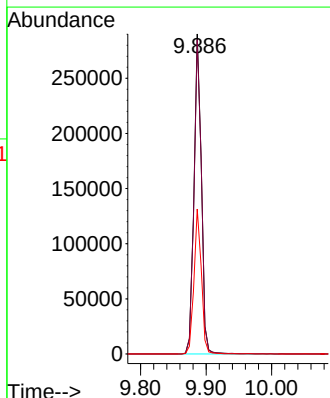
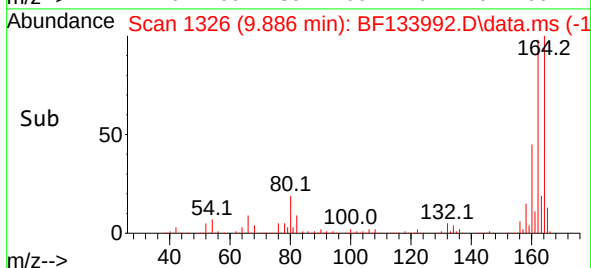
Reviewed By :Yogesh Patel 06/28/2023
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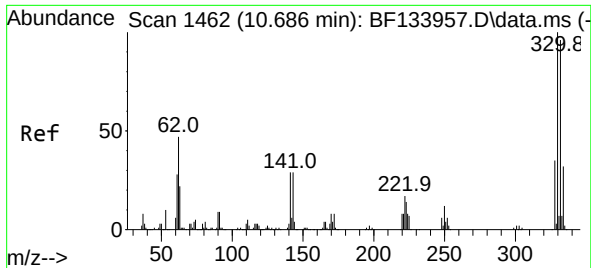


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF133992.D
Acq: 27 Jun 2023 15:39



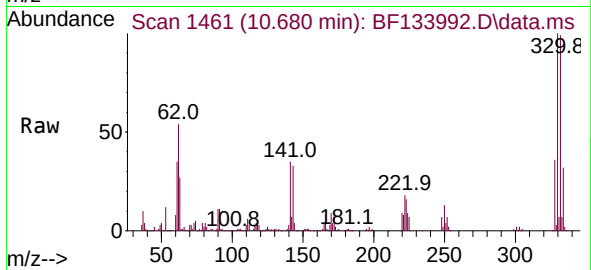
Tgt Ion:164 Resp: 226521
Ion Ratio Lower Upper
164 100
162 98.2 80.0 120.0
160 45.3 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 75.082 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF133992.D
Acq: 27 Jun 2023 15:39

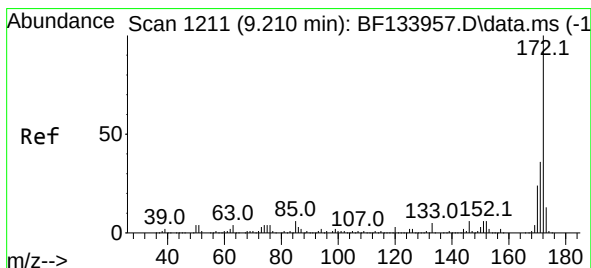
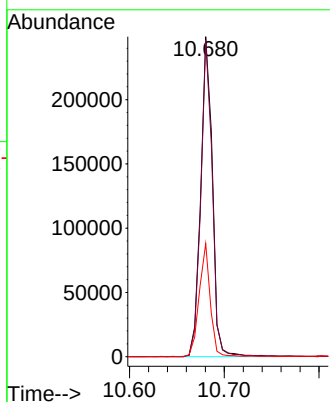
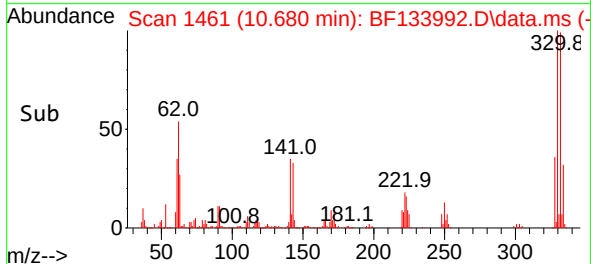
Instrument :
BNA_F
ClientSampleId :
WC37



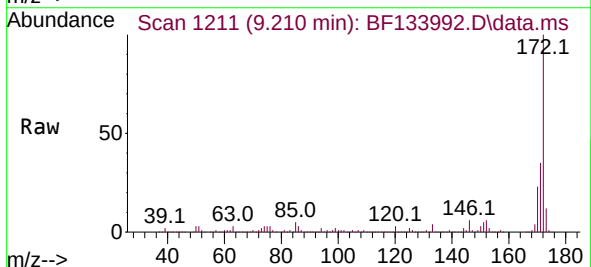
Tgt Ion: 330 Resp: 21324
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.6
141 33.9 26.3 39.5

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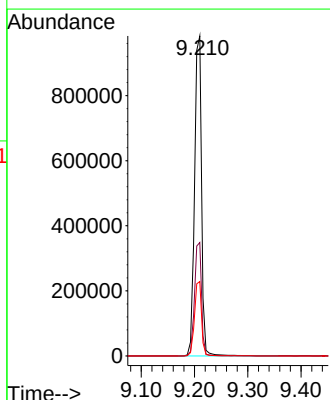
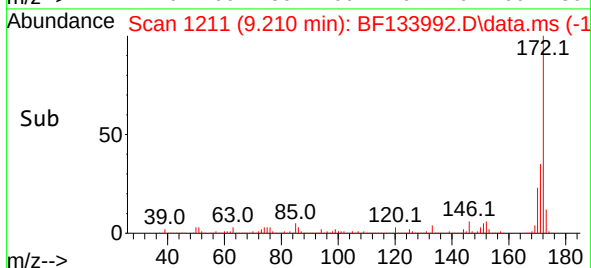
Reviewed By : Yogesh Patel 06/28/2023
Supervised By : mohammad ahmed 06/29/2023

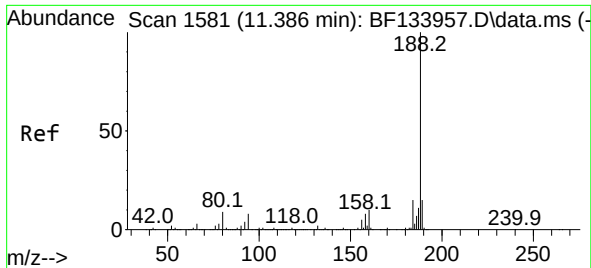


#45
2-Fluorobiphenyl
Concen: 57.720 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.000 min
Lab File: BF133992.D
Acq: 27 Jun 2023 15:39



Tgt Ion: 172 Resp: 899291
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.3 19.4 29.0





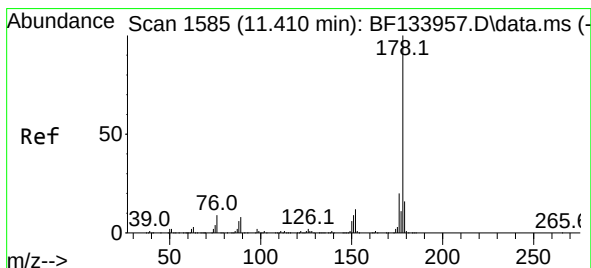
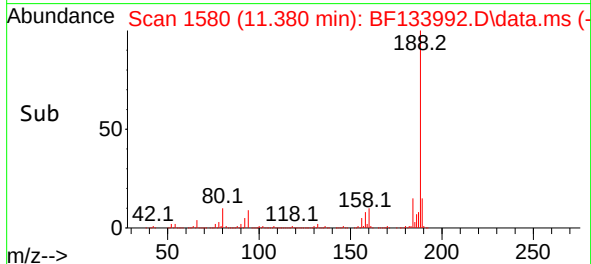
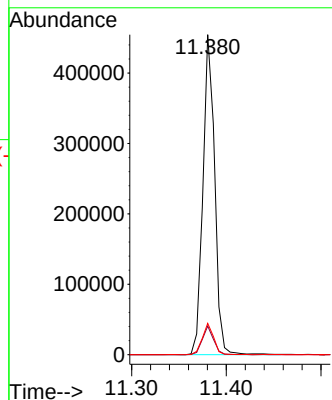
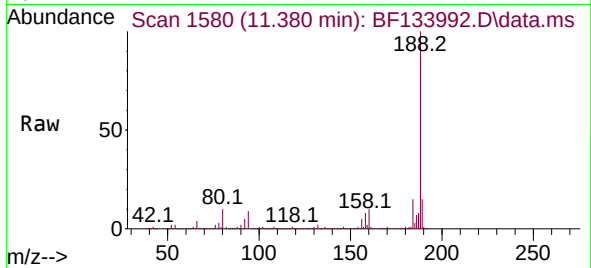
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BF133992.D
Acq: 27 Jun 2023 15:39

Instrument :
BNA_F
ClientSampleId :
WC37

Tgt Ion:188 Resp: 392985
Ion Ratio Lower Upper
188 100
94 9.0 6.4 9.6
80 9.8 7.3 10.9

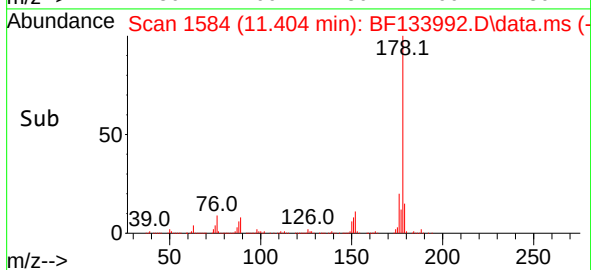
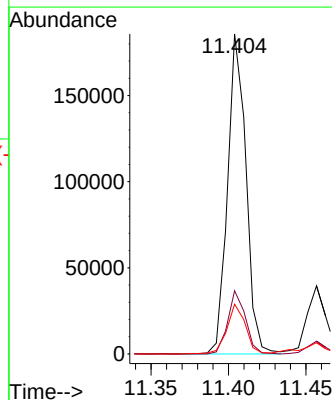
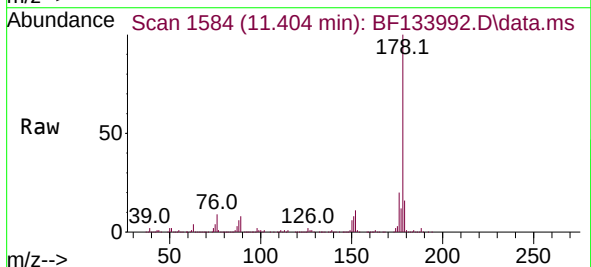
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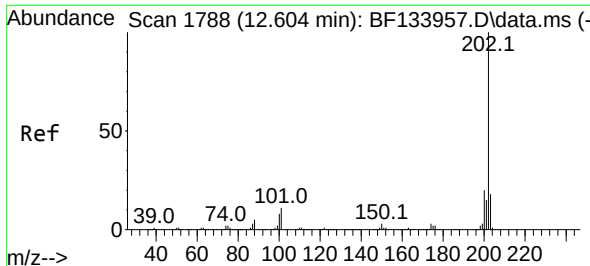
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#71
Phenanthrene
Concen: 7.773 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF133992.D
Acq: 27 Jun 2023 15:39

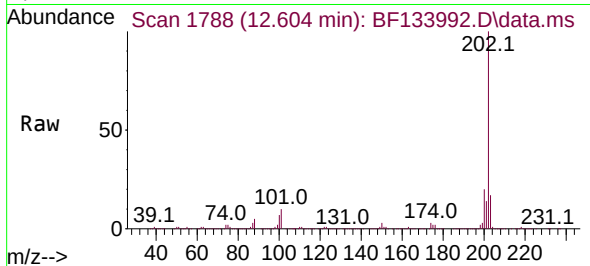
Tgt Ion:178 Resp: 153785
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 15.5 12.4 18.6





#75
Fluoranthene
Concen: 14.045 ng
RT: 12.604 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BF133992.D
Acq: 27 Jun 2023 15:39

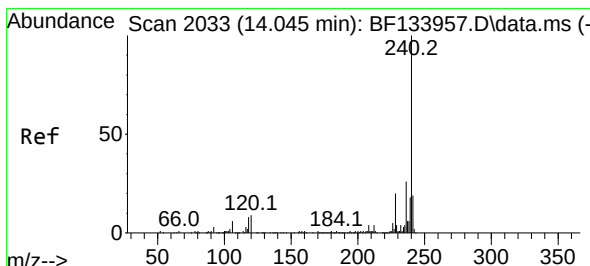
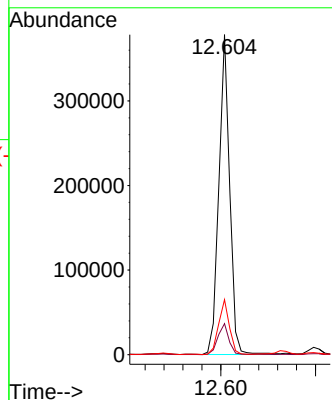
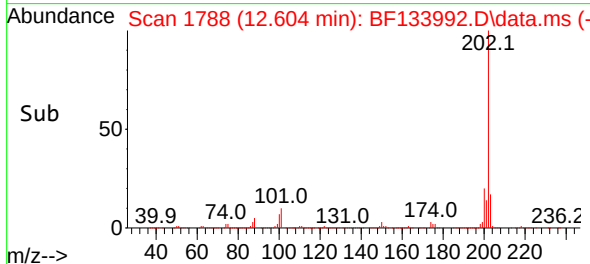
Instrument :
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Tgt Ion:202 Resp: 300398
Ion Ratio Lower Upper
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101 9.7 0.0 31.0
203 17.2 0.0 37.6

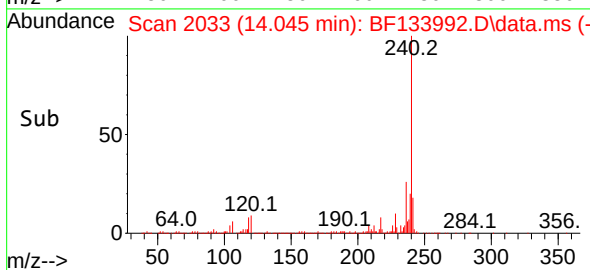
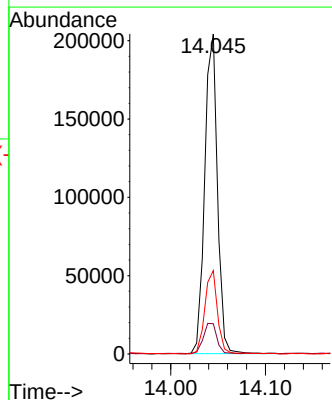
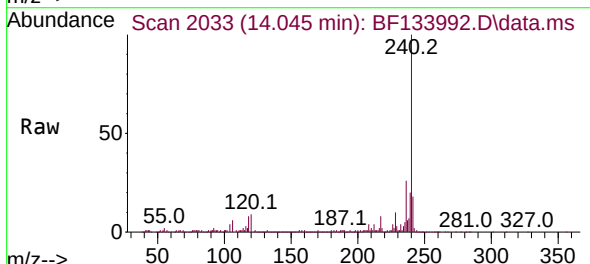
Manual Integrations
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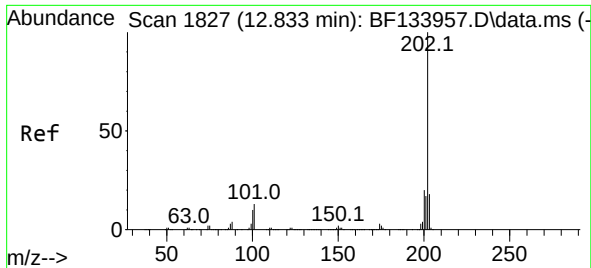
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF133992.D
Acq: 27 Jun 2023 15:39

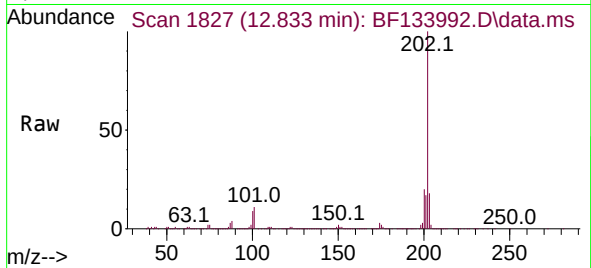
Tgt Ion:240 Resp: 190267
Ion Ratio Lower Upper
240 100
120 9.5 7.4 11.0
236 26.0 21.0 31.6





#78
Pyrene
Concen: 14.689 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.000 min
Lab File: BF133992.D
Acq: 27 Jun 2023 15:39

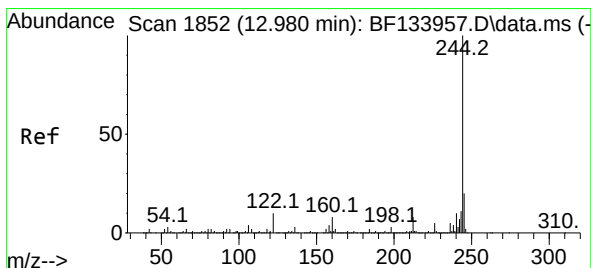
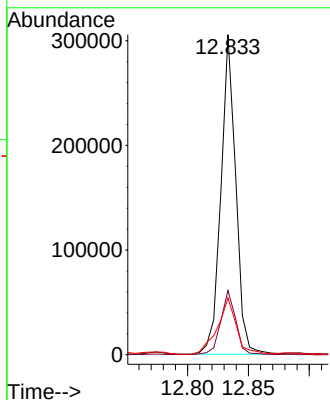
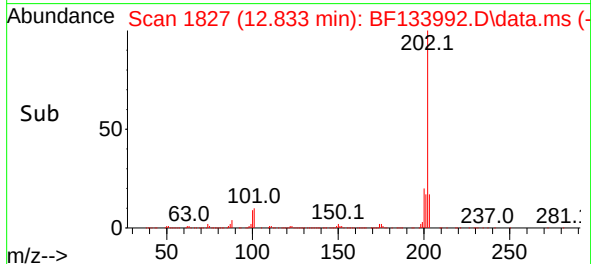
Instrument :
BNA_F
ClientSampleId :
WC37



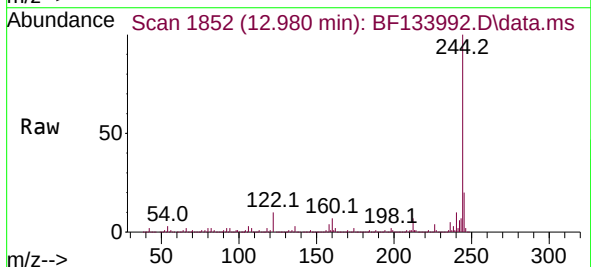
Tgt Ion:202 Resp: 260089
Ion Ratio Lower Upper
202 100
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203 17.7 14.3 21.5

Manual Integrations
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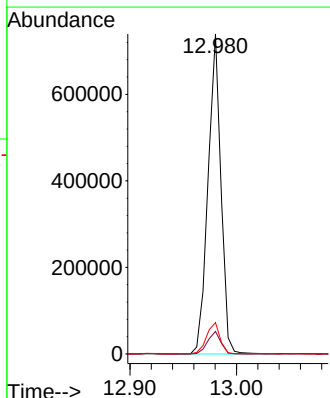
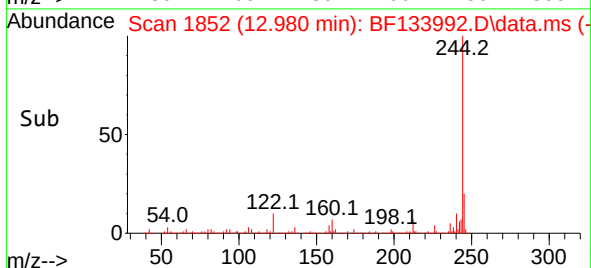
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

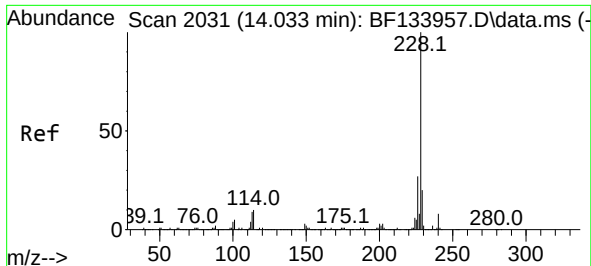


#79
Terphenyl-d14
Concen: 52.766 ng
RT: 12.980 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BF133992.D
Acq: 27 Jun 2023 15:39



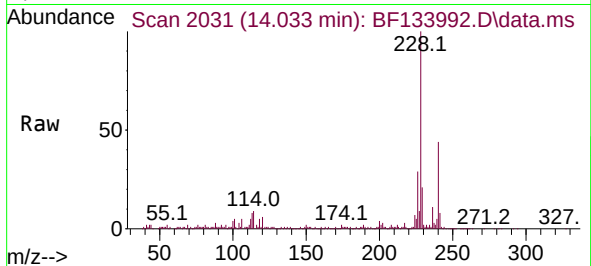
Tgt Ion:244 Resp: 623800
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 9.8 8.3 12.5





#81
Benzo(a)anthracene
Concen: 9.914 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF133992.D
Acq: 27 Jun 2023 15:39

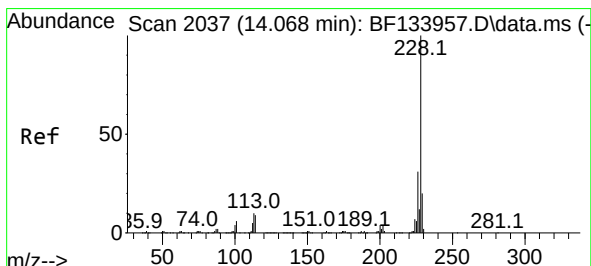
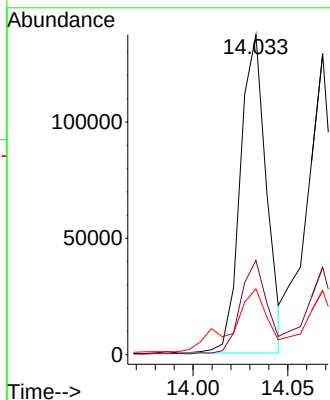
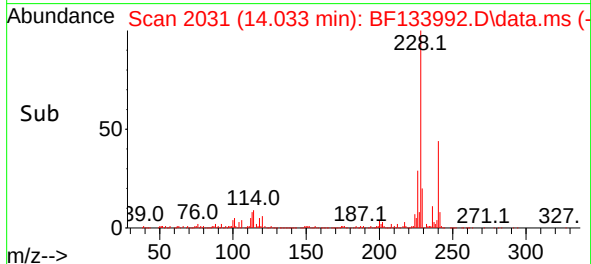
Instrument :
BNA_F
ClientSampleId :
WC37



Tgt Ion:228 Resp: 130825
Ion Ratio Lower Upper
228 100
226 29.5 22.0 33.0
229 20.6 16.3 24.5

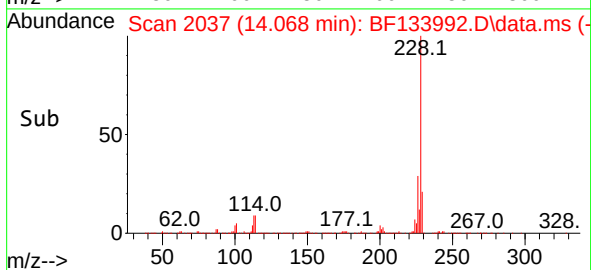
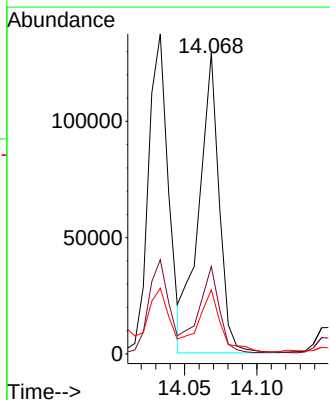
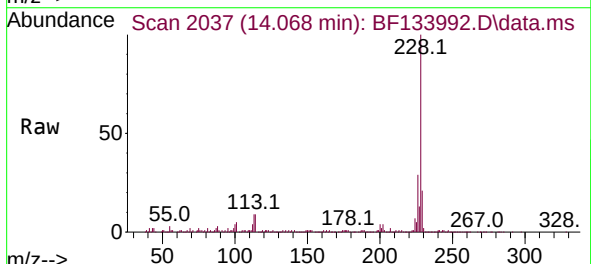
Manual Integrations
APPROVED

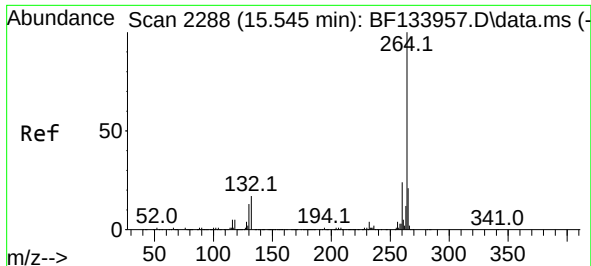
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#83
Chrysene
Concen: 9.914 ng m
RT: 14.068 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF133992.D
Acq: 27 Jun 2023 15:39

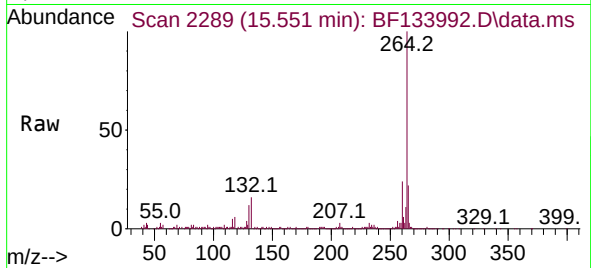
Tgt Ion:228 Resp: 126704
Ion Ratio Lower Upper
228 100
226 29.1 24.4 36.6
229 21.3 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF133992.D
Acq: 27 Jun 2023 15:39

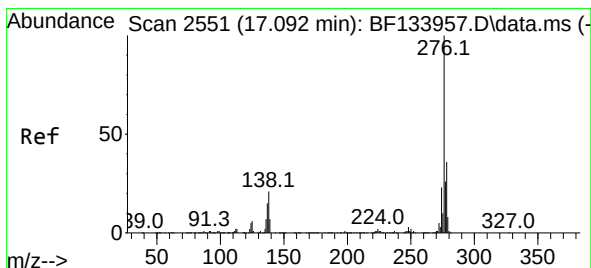
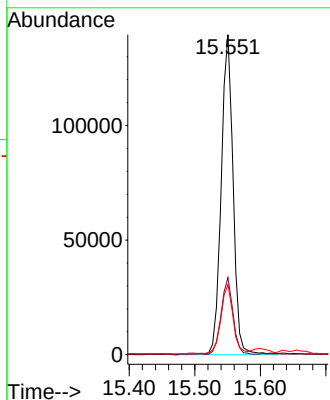
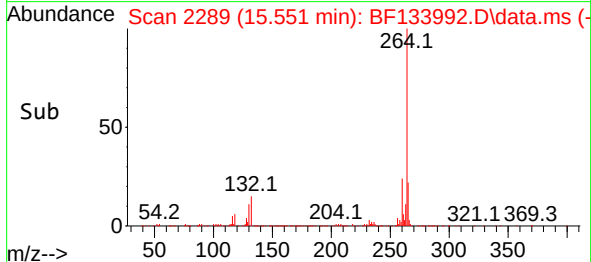
Instrument :
BNA_F
ClientSampleId :
WC37



Tgt Ion:264 Resp: 17526
Ion Ratio Lower Upper
264 100
260 24.1 19.5 29.3
265 22.0 16.6 25.0

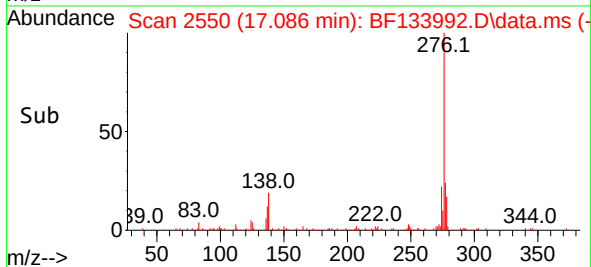
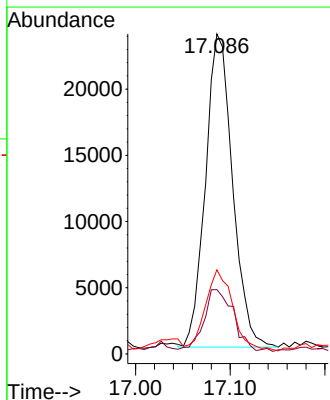
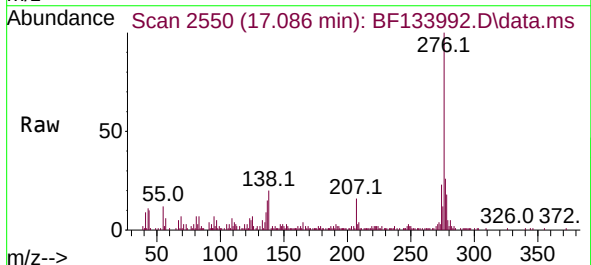
Manual Integrations
APPROVED

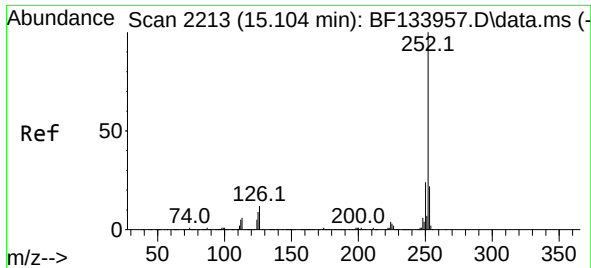
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.863 ng
RT: 17.086 min Scan# 2550
Delta R.T. -0.006 min
Lab File: BF133992.D
Acq: 27 Jun 2023 15:39

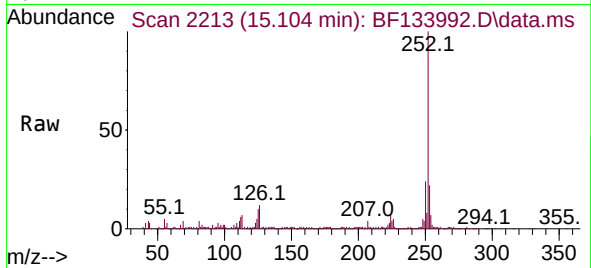
Tgt Ion:276 Resp: 46981
Ion Ratio Lower Upper
276 100
138 20.6 18.7 28.1
277 26.3 19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 13.555 ng m
RT: 15.104 min Scan# 2213
Delta R.T. 0.000 min
Lab File: BF133992.D
Acq: 27 Jun 2023 15:39

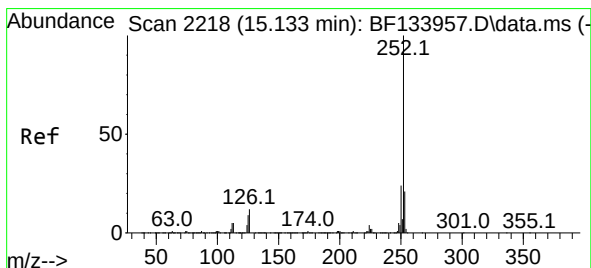
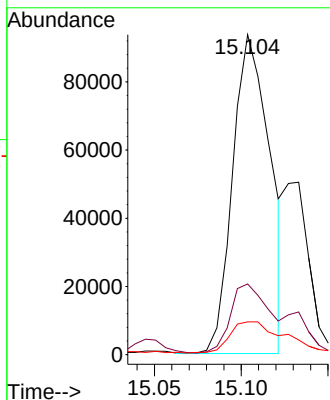
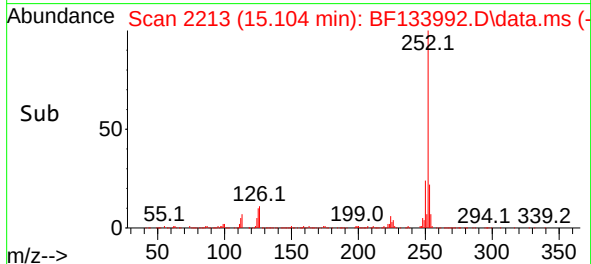
Instrument :
BNA_F
ClientSampleId :
WC37



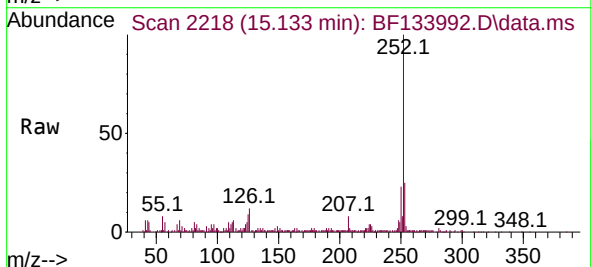
Tgt Ion:252 Resp: 139689
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.0
125 10.3 7.1 10.7

Manual Integrations
APPROVED

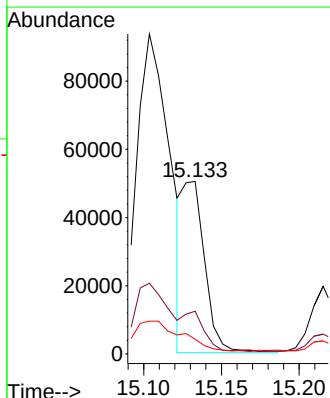
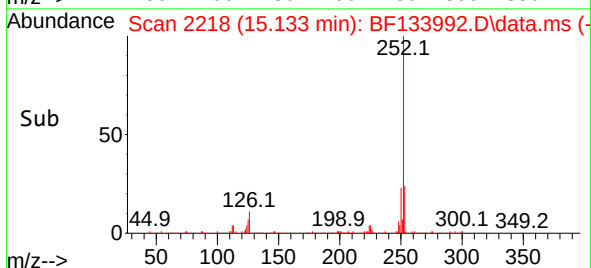
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

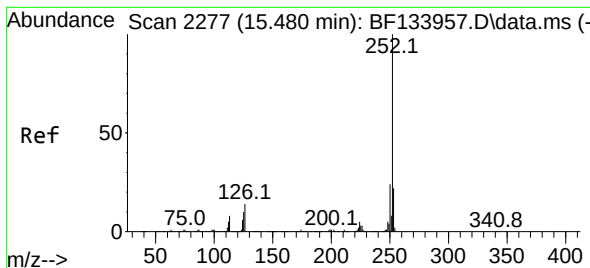


#89
Benzo(k)fluoranthene
Concen: 4.785 ng m
RT: 15.133 min Scan# 2218
Delta R.T. 0.000 min
Lab File: BF133992.D
Acq: 27 Jun 2023 15:39



Tgt Ion:252 Resp: 50204
Ion Ratio Lower Upper
252 100
253 24.8 16.9 25.3
125 8.5 7.4 11.2





#90

Benzo(a)pyrene

Concen: 9.219 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133992.D

Acq: 27 Jun 2023 15:39

Instrument :

BNA_F

ClientSampleId :

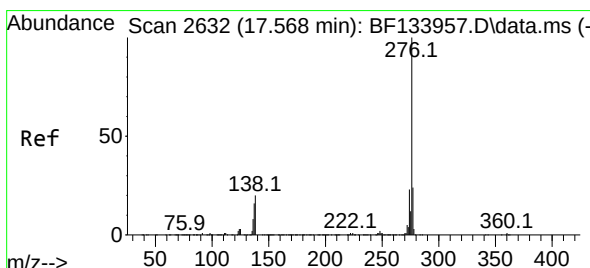
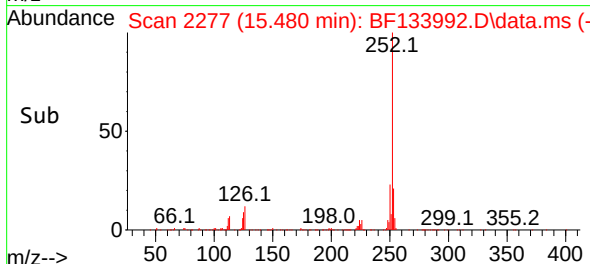
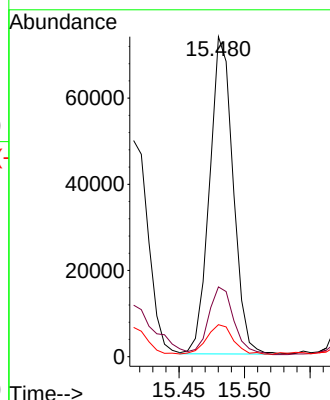
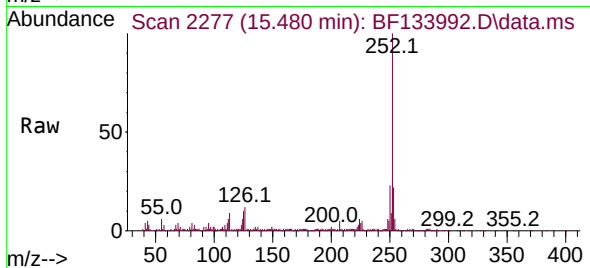
WC37

Tgt Ion:252 Resp: 91875
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.4 26.0
 125 10.0 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2023
 Supervised By :mohammad ahmed 06/29/2023



#92

Benzo(g,h,i)perylene

Concen: 4.379 ng

RT: 17.556 min Scan# 2630

Delta R.T. -0.012 min

Lab File: BF133992.D

Acq: 27 Jun 2023 15:39

Tgt Ion:276 Resp: 44860
 Ion Ratio Lower Upper
 276 100
 277 26.0 19.0 28.6
 138 19.2 16.2 24.2

