

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
 Data File : BF133639.D
 Acq On : 08 Jun 2023 13:29
 Operator : CG\JU
 Sample : 03042-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Manual Integrations
 APPROVED

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

Quant Time: Jun 08 13:51:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 08 11:43:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	126818	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	473343	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	224334	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	379866	20.000	ng	0.00
76) Chrysene-d12	14.010	240	229241	20.000	ng	0.00
86) Perylene-d12	15.474	264	213644	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	551022	72.494	ng	0.00
7) Phenol-d6	6.463	99	669995	71.605	ng	0.00
23) Nitrobenzene-d5	7.398	82	440186	62.092	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	160832	71.922	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	783711	53.920	ng	0.00
79) Terphenyl-d14	12.951	244	610326	47.337	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.139	128	46503	2.026	ng	97
37) 2-Methylnaphthalene	8.834	142	33366	2.130	ng	96
75) Fluoranthene	12.574	202	140023	6.589	ng	99
78) Pyrene	12.810	202	119273	6.114	ng	99
81) Benzo(a)anthracene	13.998	228	82735	5.418	ng	95
83) Chrysene	14.033	228	64581	4.189	ng	96
87) Indeno(1,2,3-cd)pyrene	16.933	276	34179	2.512	ng	# 94
88) Benzo(b)fluoranthene	15.045	252	101623m	7.305	ng	
90) Benzo(a)pyrene	15.410	252	65494	5.174	ng	# 97
92) Benzo(g,h,i)perylene	17.374	276	30767	2.765	ng	99

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

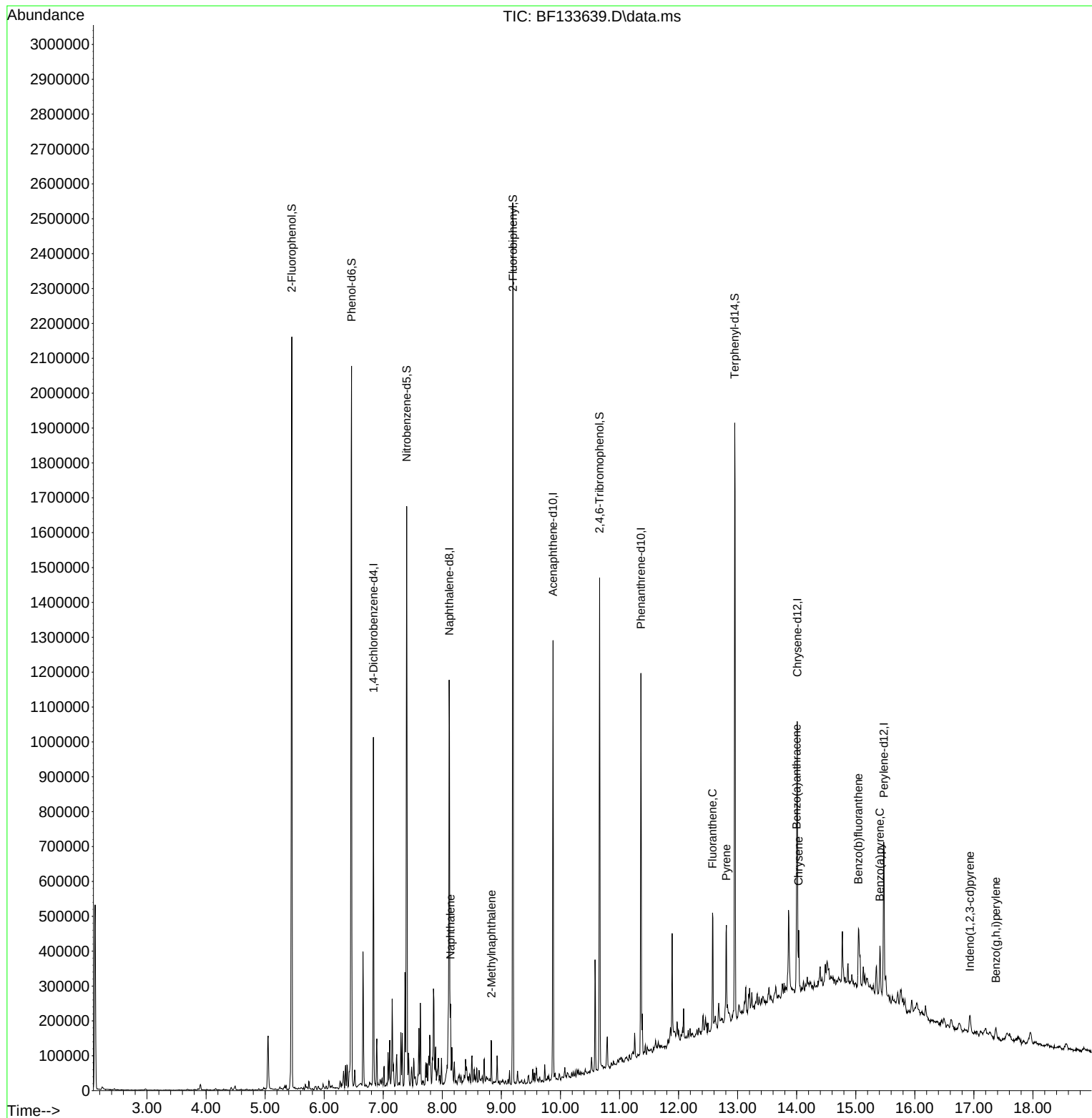
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
Data File : BF133639.D
Acq On : 08 Jun 2023 13:29
Operator : CG\JU
Sample : 03042-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

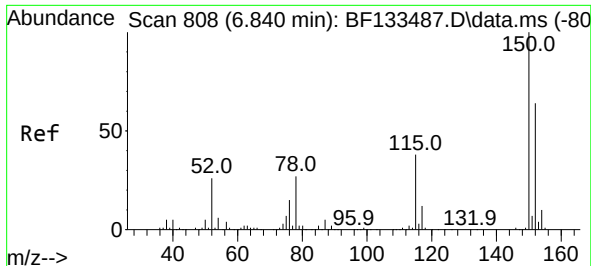
Instrument :
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WC-1

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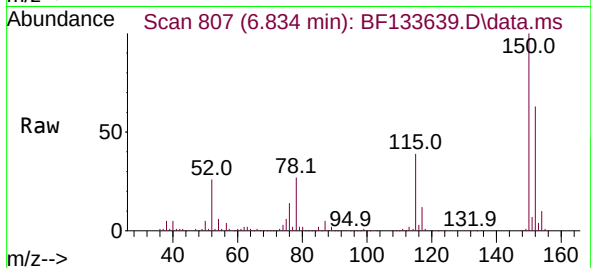
Quant Time: Jun 08 13:51:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 08 11:43:32 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.005 min
Lab File: BF133639.D
Acq: 08 Jun 2023 13:29

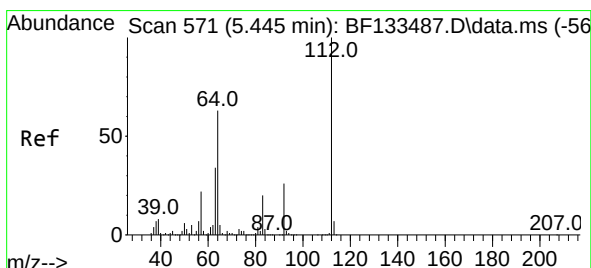
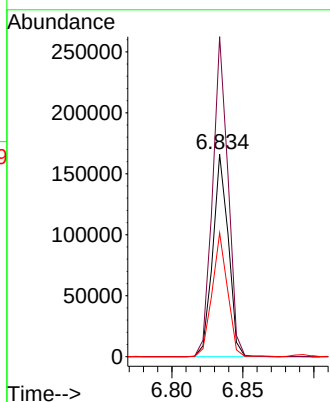
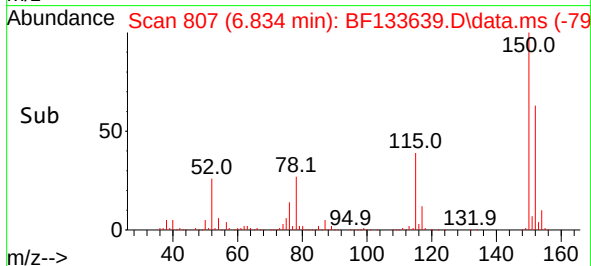
Instrument :
BNA_F
ClientSampleId :
WC-1



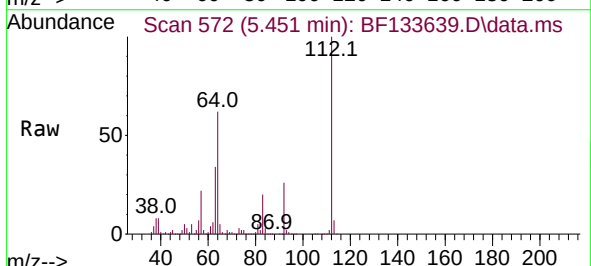
Tgt Ion:152 Resp: 126818
Ion Ratio Lower Upper
152 100
150 158.2 124.9 187.3
115 61.2 48.1 72.1

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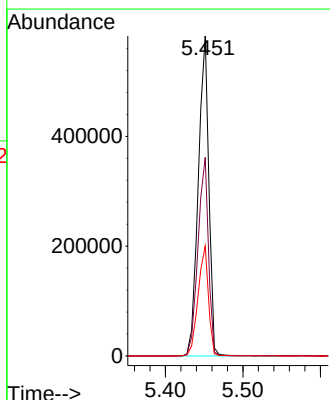
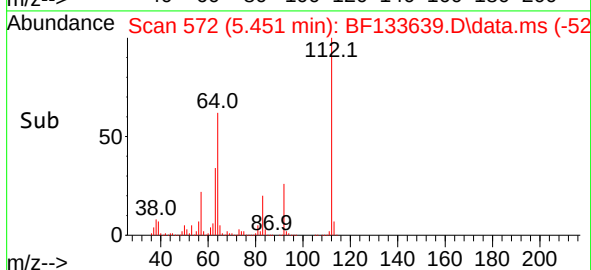
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023

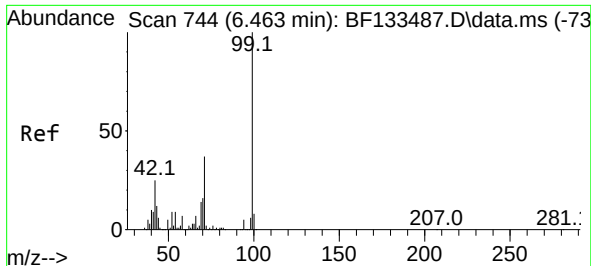


#5
2-Fluorophenol
Concen: 72.494 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.006 min
Lab File: BF133639.D
Acq: 08 Jun 2023 13:29



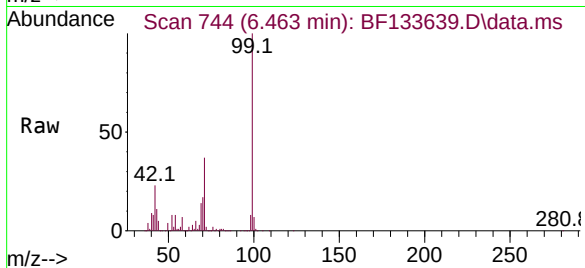
Tgt Ion:112 Resp: 551022
Ion Ratio Lower Upper
112 100
64 62.1 50.1 75.1
63 34.3 27.5 41.3





#7
Phenol-d6
Concen: 71.605 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133639.D
Acq: 08 Jun 2023 13:29

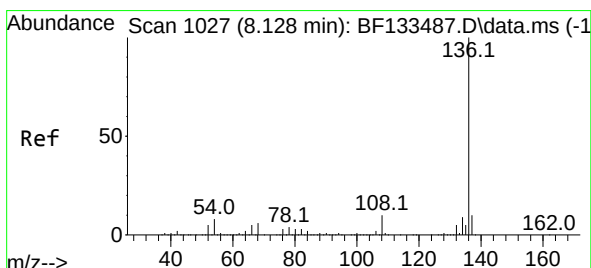
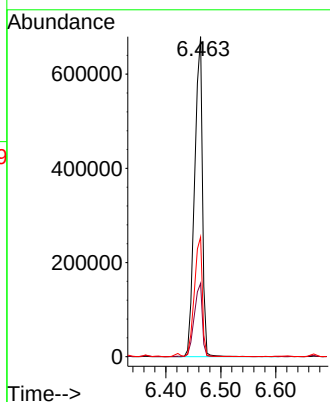
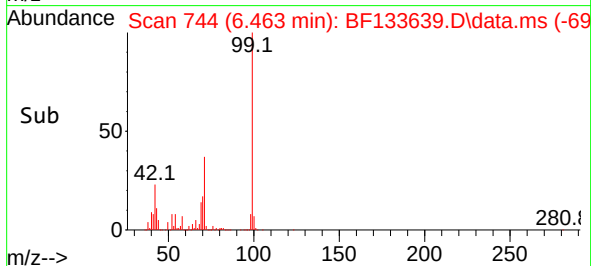
Instrument :
BNA_F
ClientSampleId :
WC-1



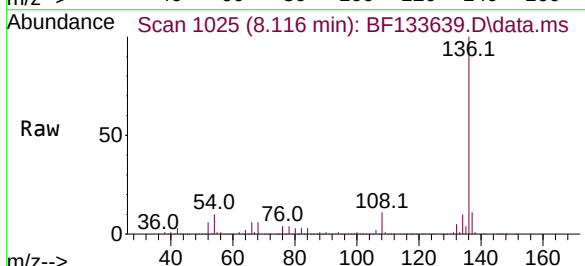
Tgt Ion: 99 Resp: 669999
Ion Ratio Lower Upper
99 100
42 22.9 19.7 29.5
71 37.4 29.8 44.8

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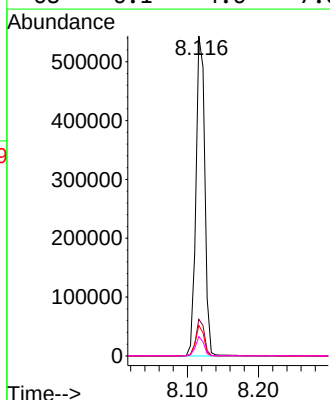
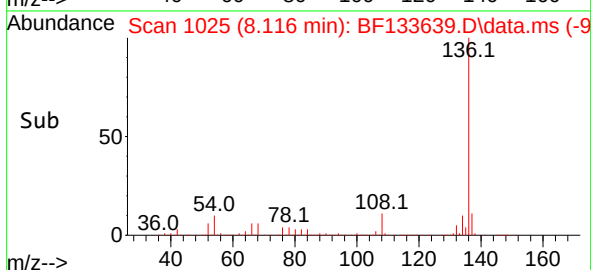
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023

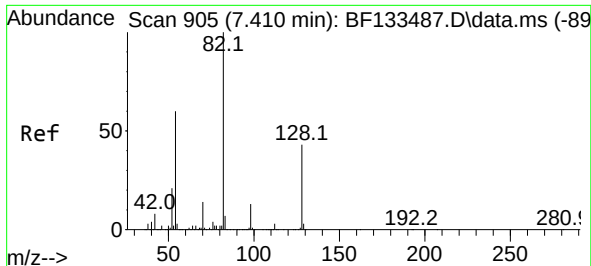


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133639.D
Acq: 08 Jun 2023 13:29



Tgt Ion:136 Resp: 473343
Ion Ratio Lower Upper
136 100
137 11.5 8.2 12.4
54 9.6 6.6 10.0
68 6.1 4.6 7.0





#23

Nitrobenzene-d5

Concen: 62.092 ng

RT: 7.398 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133639.D

Acq: 08 Jun 2023 13:29

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion: 82 Resp: 440180

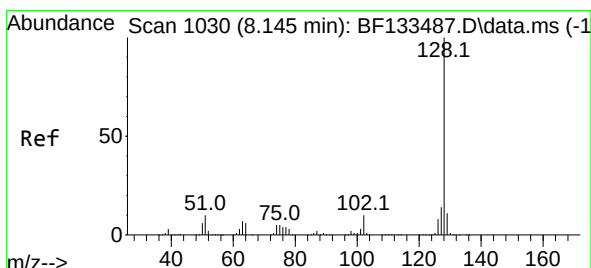
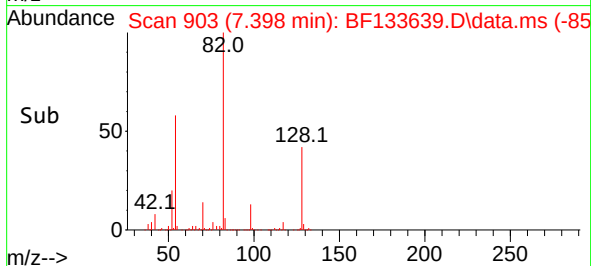
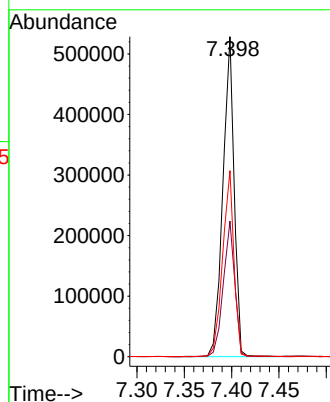
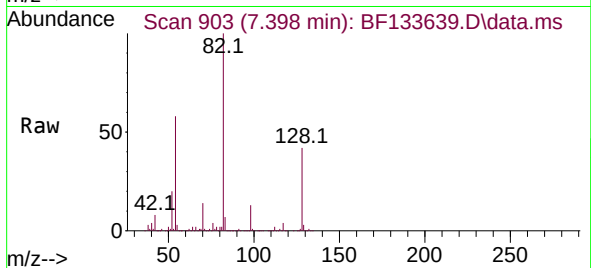
Ion	Ratio	Lower	Upper
82	100		
128	42.3	34.2	51.4
54	58.1	48.2	72.4

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#31

Naphthalene

Concen: 2.026 ng

RT: 8.139 min Scan# 1029

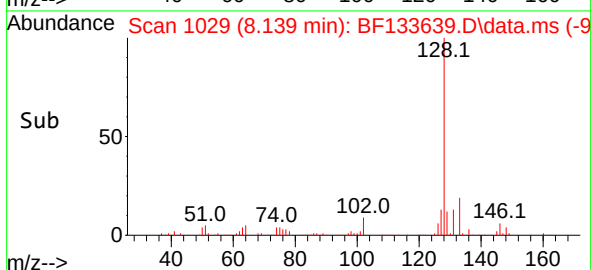
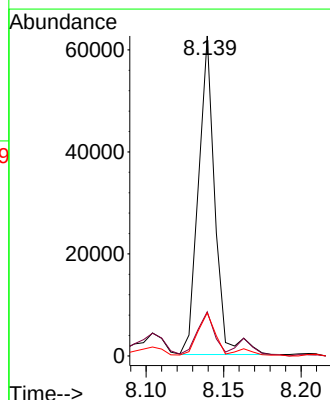
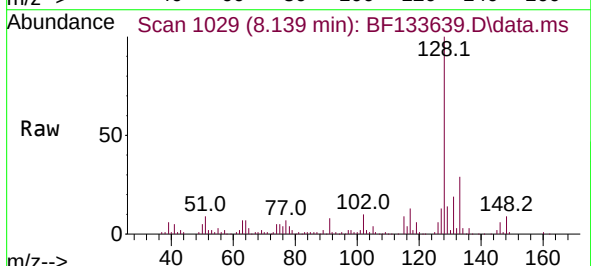
Delta R.T. -0.006 min

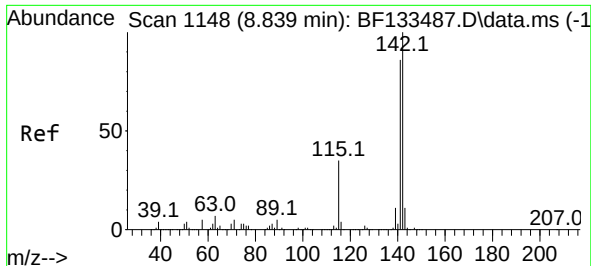
Lab File: BF133639.D

Acq: 08 Jun 2023 13:29

Tgt Ion:128 Resp: 46503

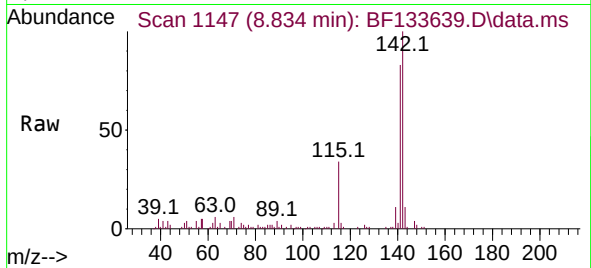
Ion	Ratio	Lower	Upper
128	100		
129	13.8	9.2	13.8
127	13.5	10.9	16.3





#37
2-Methylnaphthalene
Concen: 2.130 ng
RT: 8.834 min Scan# 1148
Delta R.T. 0.000 min
Lab File: BF133639.D
Acq: 08 Jun 2023 13:29

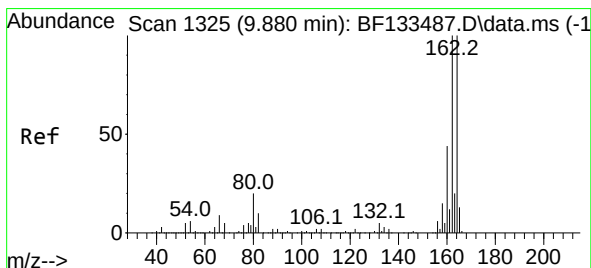
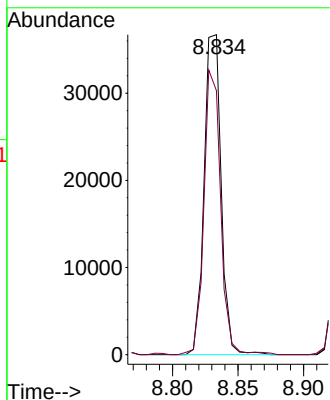
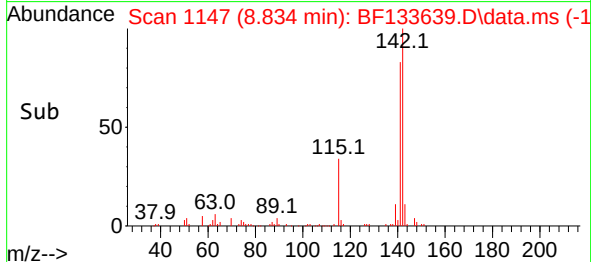
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:142 Resp: 33360
Ion Ratio Lower Upper
142 100
141 82.5 69.2 103.8

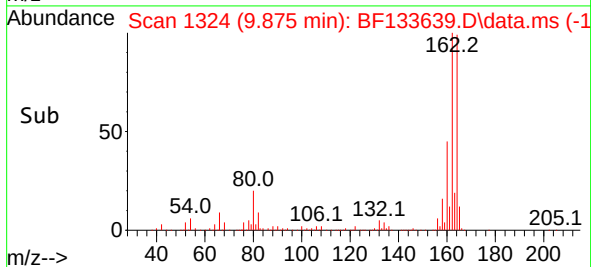
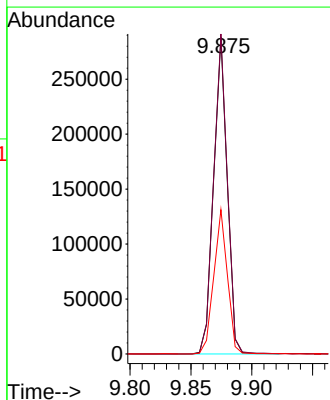
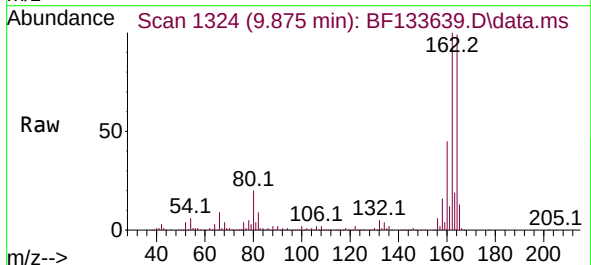
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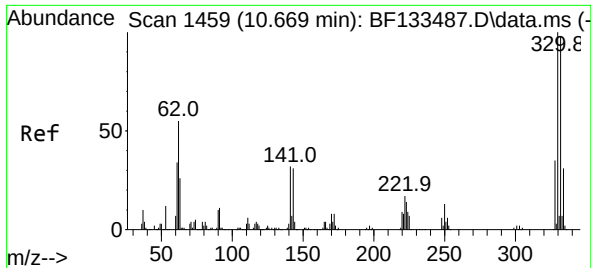
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133639.D
Acq: 08 Jun 2023 13:29

Tgt Ion:164 Resp: 224334
Ion Ratio Lower Upper
164 100
162 101.0 79.7 119.5
160 45.5 35.4 53.0





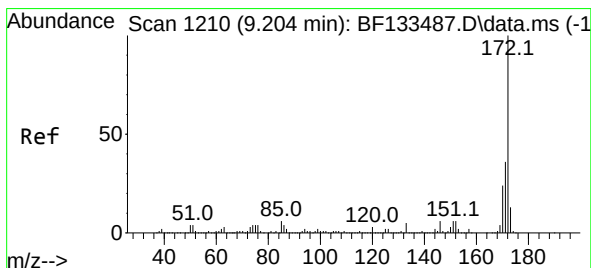
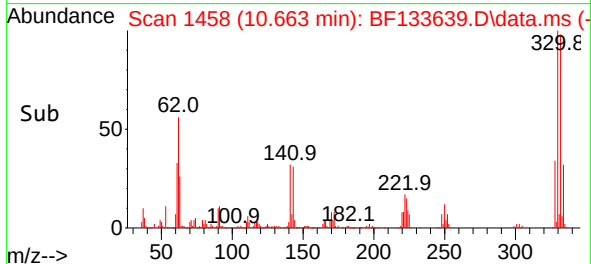
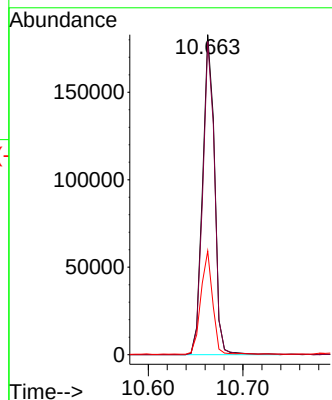
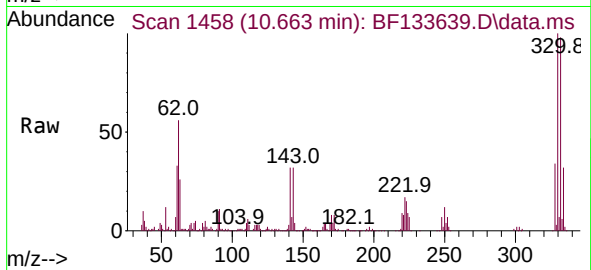
#42
2,4,6-Tribromophenol
Concen: 71.922 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133639.D
Acq: 08 Jun 2023 13:29

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:330 Resp: 160832
Ion Ratio Lower Upper
330 100
332 97.1 77.8 116.6
141 32.0 26.6 40.0

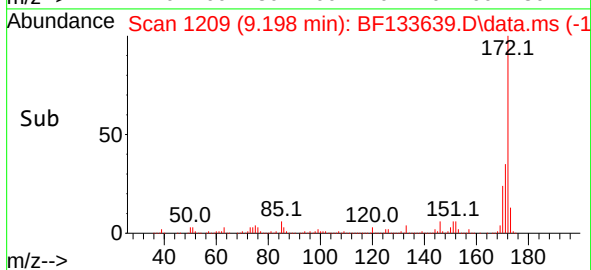
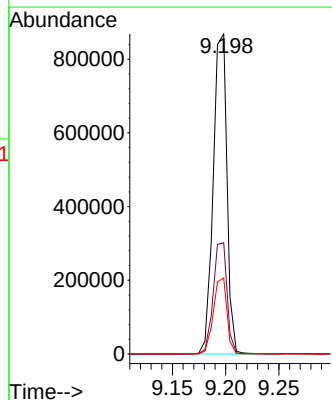
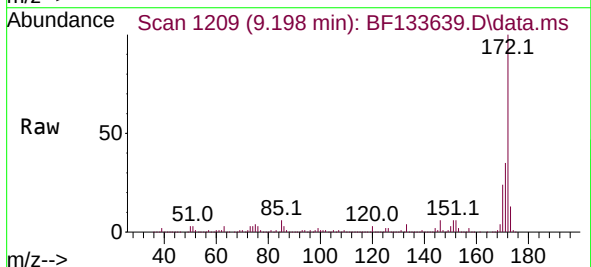
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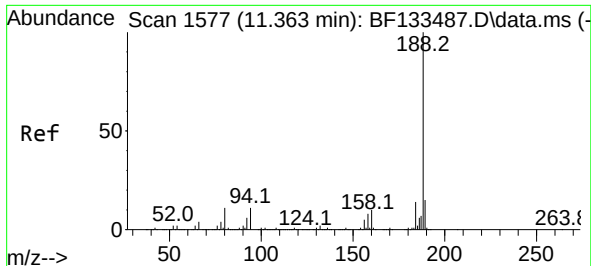
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#45
2-Fluorobiphenyl
Concen: 53.920 ng
RT: 9.198 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BF133639.D
Acq: 08 Jun 2023 13:29

Tgt Ion:172 Resp: 783711
Ion Ratio Lower Upper
172 100
171 34.8 28.4 42.6
170 23.7 19.3 28.9





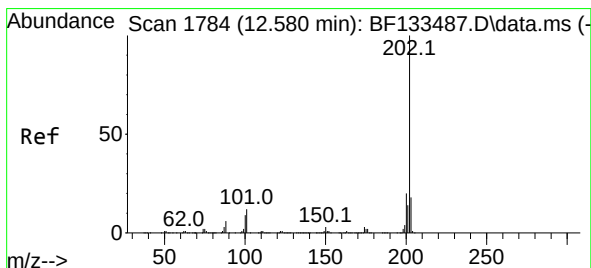
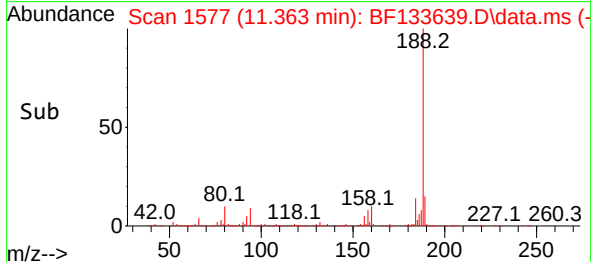
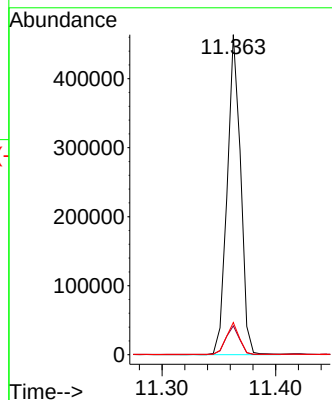
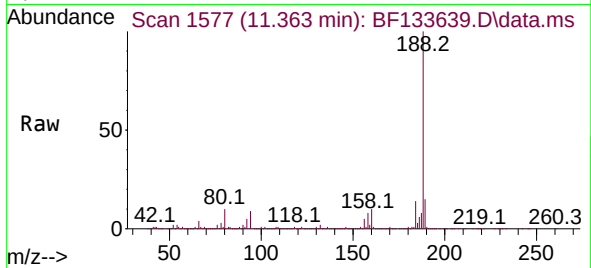
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133639.D
Acq: 08 Jun 2023 13:29

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:188 Resp: 379860
Ion Ratio Lower Upper
188 100
94 9.0 8.6 12.8
80 10.0 9.2 13.8

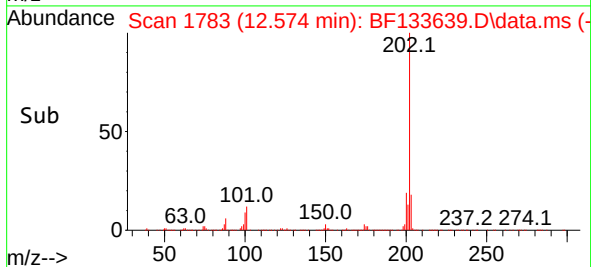
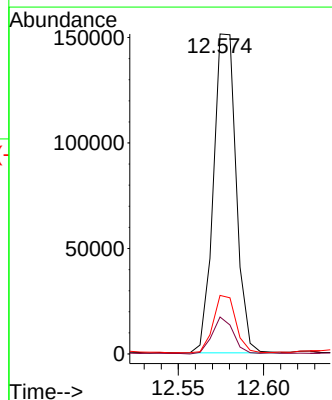
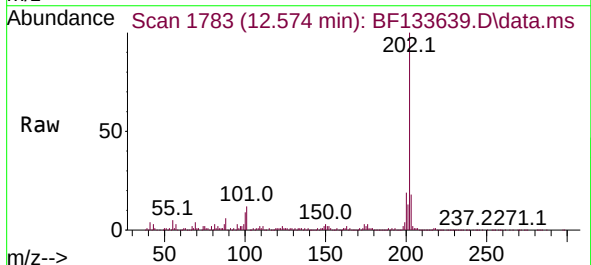
Manual Integrations
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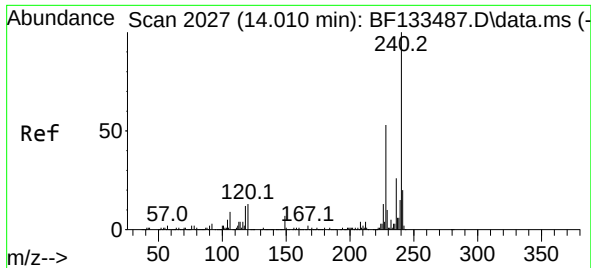
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#75
Fluoranthene
Concen: 6.589 ng
RT: 12.574 min Scan# 1783
Delta R.T. -0.012 min
Lab File: BF133639.D
Acq: 08 Jun 2023 13:29

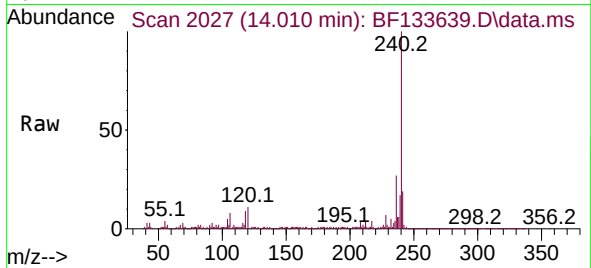
Tgt Ion:202 Resp: 140023
Ion Ratio Lower Upper
202 100
101 11.5 0.0 32.2
203 18.3 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF133639.D
Acq: 08 Jun 2023 13:29

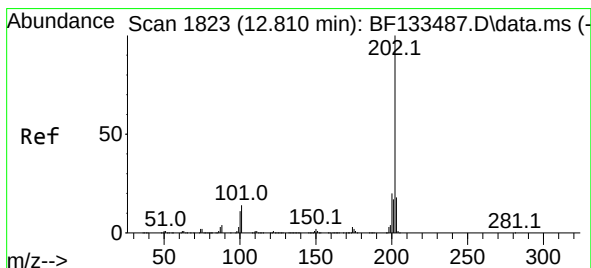
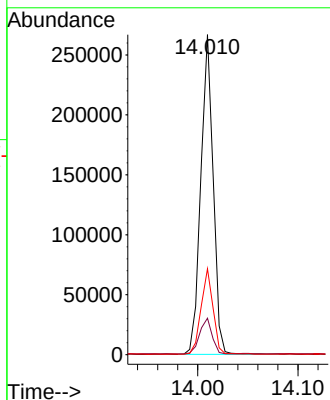
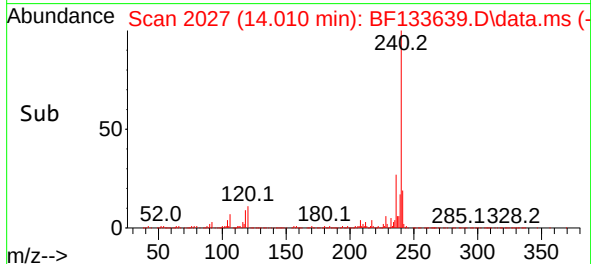
Instrument :
BNA_F
ClientSampleId :
WC-1



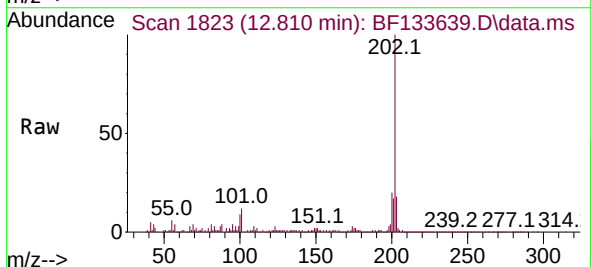
Tgt Ion:240 Resp: 22924
Ion Ratio Lower Upper
240 100
120 11.4 10.3 15.5
236 26.8 20.5 30.7

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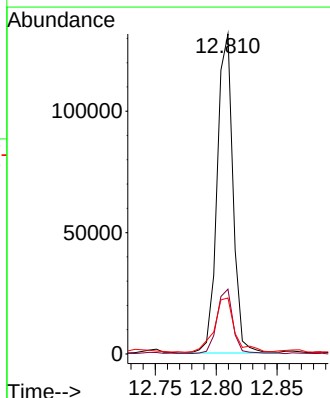
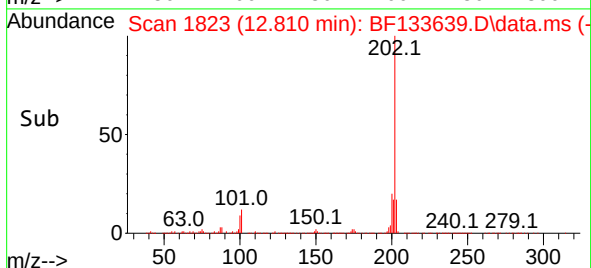
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023

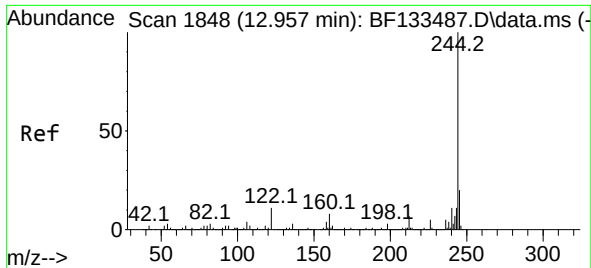


#78
Pyrene
Concen: 6.114 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF133639.D
Acq: 08 Jun 2023 13:29



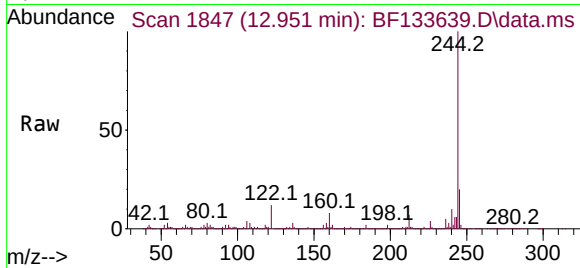
Tgt Ion:202 Resp: 119273
Ion Ratio Lower Upper
202 100
200 20.3 16.3 24.5
203 17.5 14.3 21.5





#79
 Terphenyl-d14
 Concen: 47.337 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF133639.D
 Acq: 08 Jun 2023 13:29

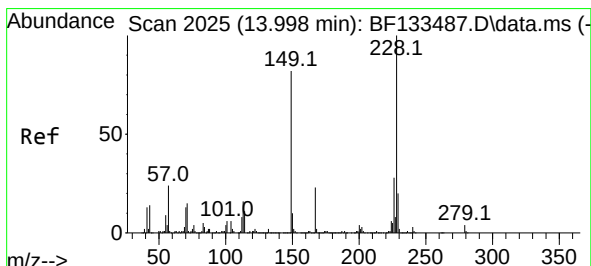
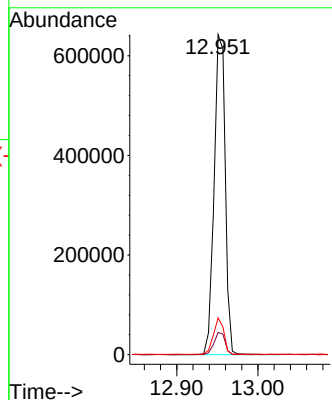
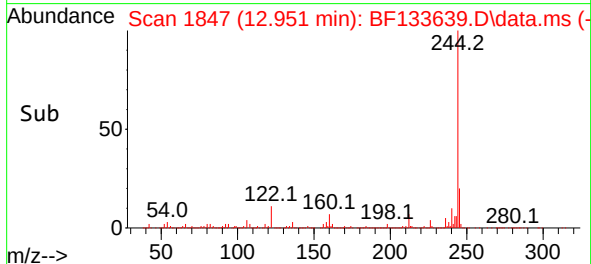
Instrument :
 BNA_F
 ClientSampleId :
 WC-1



Tgt Ion:244 Resp: 610320
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 11.5 8.5 12.7

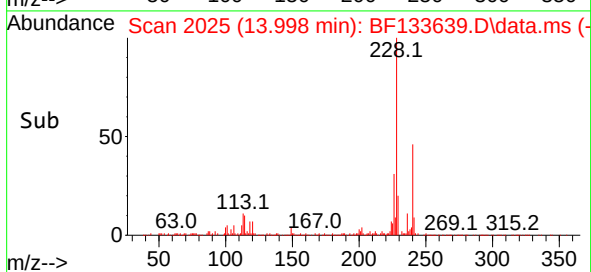
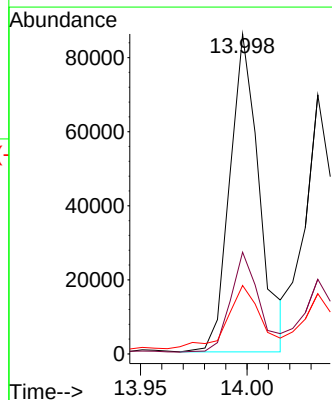
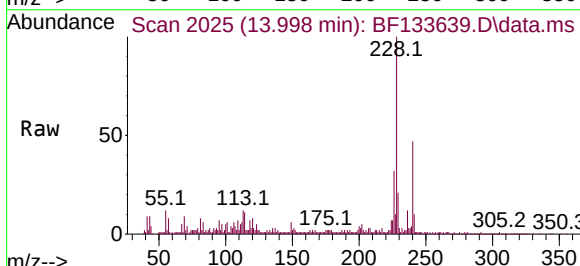
Manual Integrations
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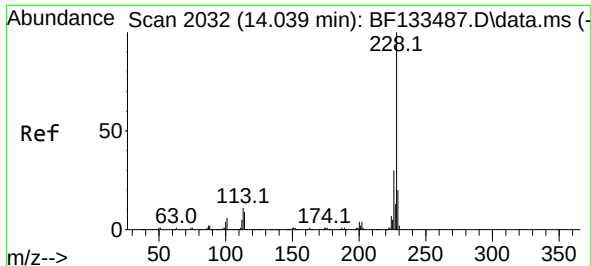
Reviewed By :Yogesh Patel 06/09/2023
 Supervised By :mohammad ahmed 06/13/2023



#81
 Benzo(a)anthracene
 Concen: 5.418 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. -0.006 min
 Lab File: BF133639.D
 Acq: 08 Jun 2023 13:29

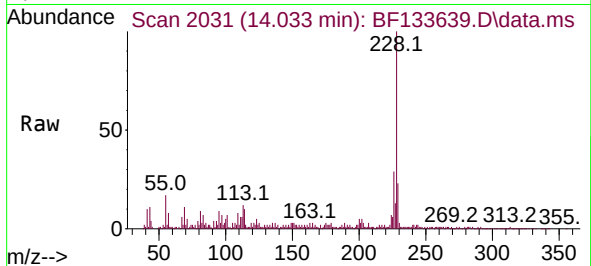
Tgt Ion:228 Resp: 82735
 Ion Ratio Lower Upper
 228 100
 226 31.8 22.3 33.5
 229 21.4 16.1 24.1





#83
Chrysene
Concen: 4.189 ng
RT: 14.033 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF133639.D
Acq: 08 Jun 2023 13:29

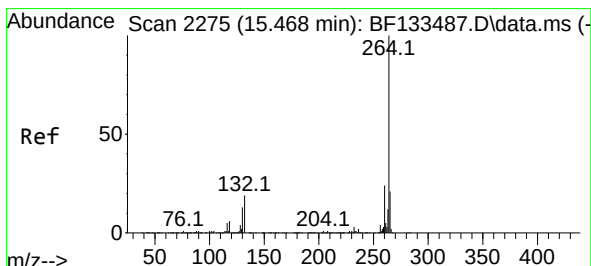
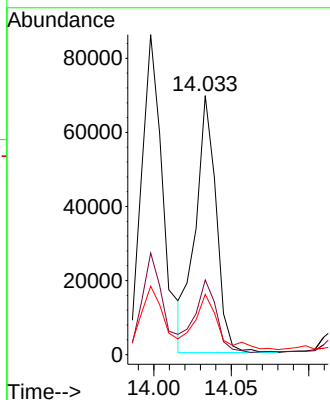
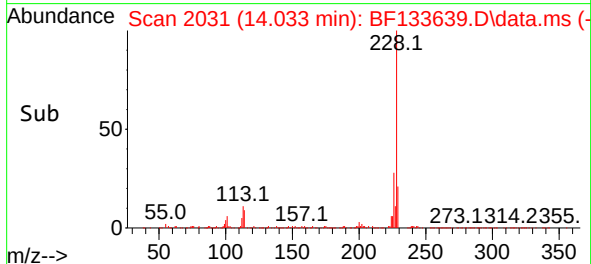
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:228 Resp: 6458
Ion Ratio Lower Upper
228 100
226 28.9 24.1 36.1
229 23.3 15.8 23.8

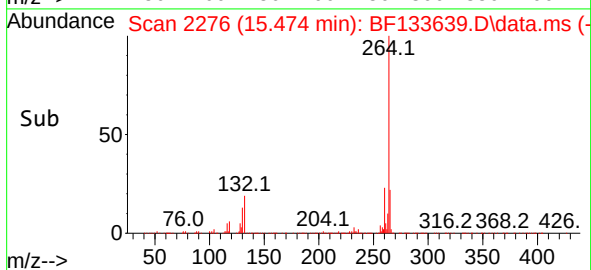
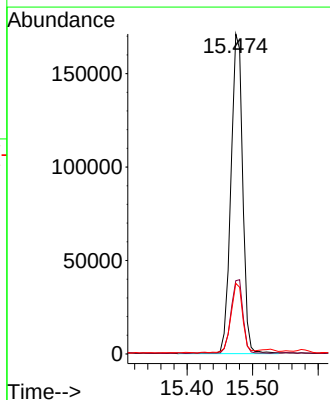
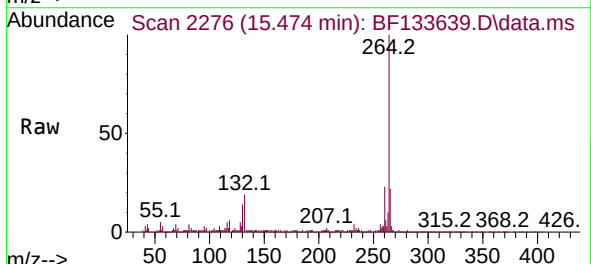
Manual Integrations
APPROVED

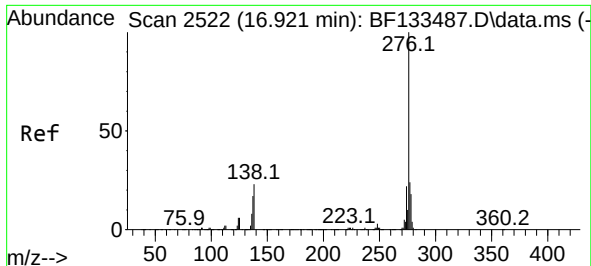
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2276
Delta R.T. -0.006 min
Lab File: BF133639.D
Acq: 08 Jun 2023 13:29

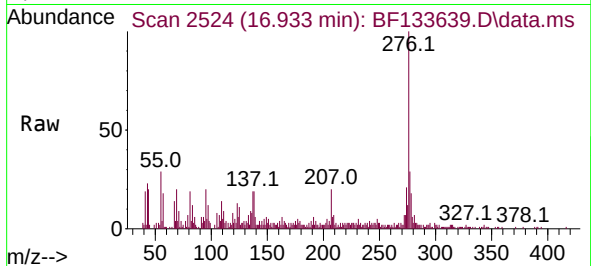
Tgt Ion:264 Resp: 213644
Ion Ratio Lower Upper
264 100
260 22.9 19.0 28.4
265 22.1 16.8 25.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.512 ng
RT: 16.933 min Scan# 2524
Delta R.T. -0.012 min
Lab File: BF133639.D
Acq: 08 Jun 2023 13:29

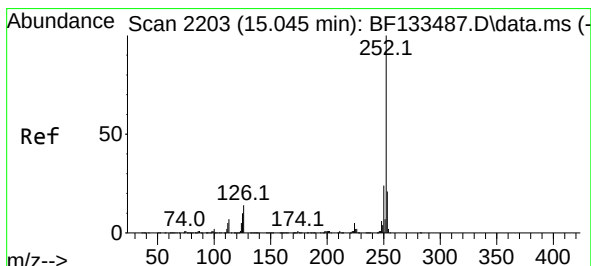
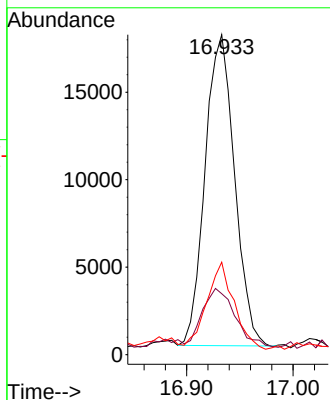
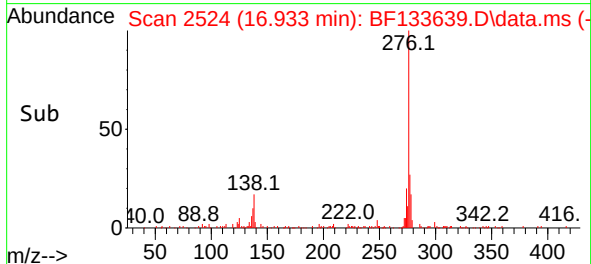
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:276 Resp: 34179
Ion Ratio Lower Upper
276 100
138 21.3 21.4 32.2
277 25.9 20.0 30.0

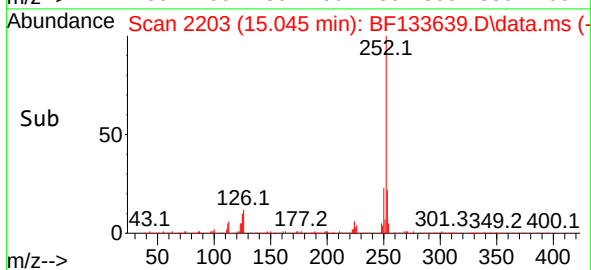
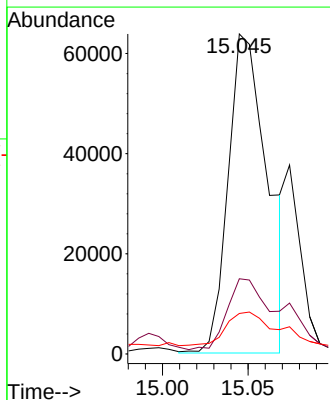
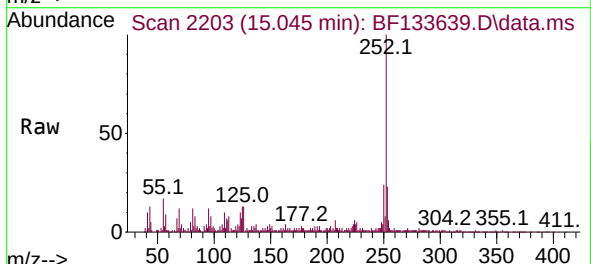
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APPROVED

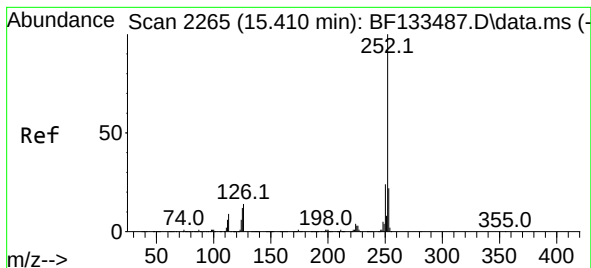
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#88
Benzo(b)fluoranthene
Concen: 7.305 ng m
RT: 15.045 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF133639.D
Acq: 08 Jun 2023 13:29

Tgt Ion:252 Resp: 101623
Ion Ratio Lower Upper
252 100
253 23.5 17.2 25.8
125 12.7 8.1 12.1#





#90

Benzo(a)pyrene

Concen: 5.174 ng

RT: 15.410 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133639.D

Acq: 08 Jun 2023 13:29

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:252 Resp: 65494

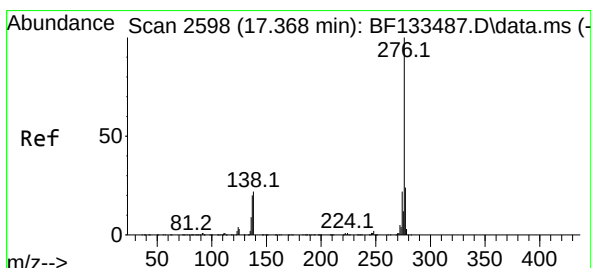
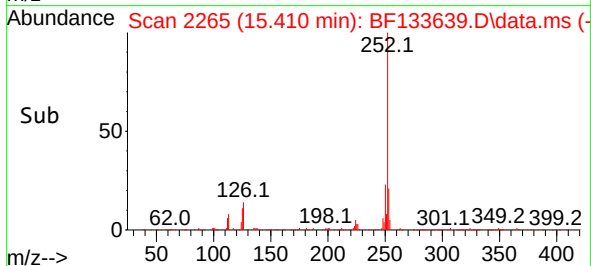
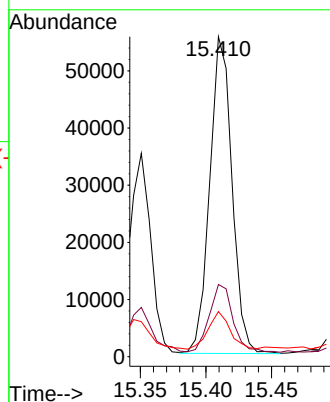
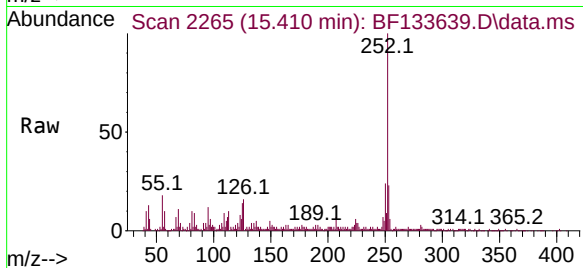
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	14.1	9.4	14.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/09/2023

Supervised By :mohammad ahmed 06/13/2023



#92

Benzo(g,h,i)perylene

Concen: 2.765 ng

RT: 17.374 min Scan# 2599

Delta R.T. -0.018 min

Lab File: BF133639.D

Acq: 08 Jun 2023 13:29

Tgt Ion:276 Resp: 30767

Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.8	28.2
138	21.3	17.8	26.6

