

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121423\
 Data File : BF136574.D
 Acq On : 14 Dec 2023 18:17
 Operator : CG\JU
 Sample : 05612-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-06I

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/15/2023
 Supervised By :mohammad ahmed 12/15/2023

Quant Time: Dec 15 00:35:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 00:33:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	96162	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	162032	20.000	ng	# 0.03
39) Acenaphthene-d10	9.828	164	169458	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	287019	20.000	ng	0.00
76) Chrysene-d12	13.963	240	214420	20.000	ng	0.00
86) Perylene-d12	15.445	264	242620	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	382980	58.817	ng	0.01
7) Phenol-d6	6.445	99	298103	36.694	ng	0.01
23) Nitrobenzene-d5	7.357	82	552826	184.445	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	224647	107.516	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1084061	87.290	ng	0.00
79) Terphenyl-d14	12.910	244	1083781	66.620	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.198	128	35662698m	3991.165	ng	
37) 2-Methylnaphthalene	8.816	142	5345554	940.353	ng	99
38) 1-Methylnaphthalene	8.910	142	4011508	719.141	ng	100
46) 1,1'-Biphenyl	9.251	154	727150	50.430	ng	99
49) Acenaphthylene	9.686	152	119630	7.483	ng	# 88
52) Acenaphthene	9.869	154	1582496	154.470	ng	98
55) Dibenzofuran	10.028	168	103700m	6.929	ng	
58) Fluorene	10.375	166	494214	41.137	ng	98
71) Phenanthrene	11.339	178	736733	46.700	ng	98
72) Anthracene	11.386	178	147644	9.292	ng	97
73) Carbazole	11.551	167	344182	24.473	ng	100
75) Fluoranthene	12.527	202	59148	3.578	ng	98
78) Pyrene	12.757	202	81405	3.877	ng	97

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

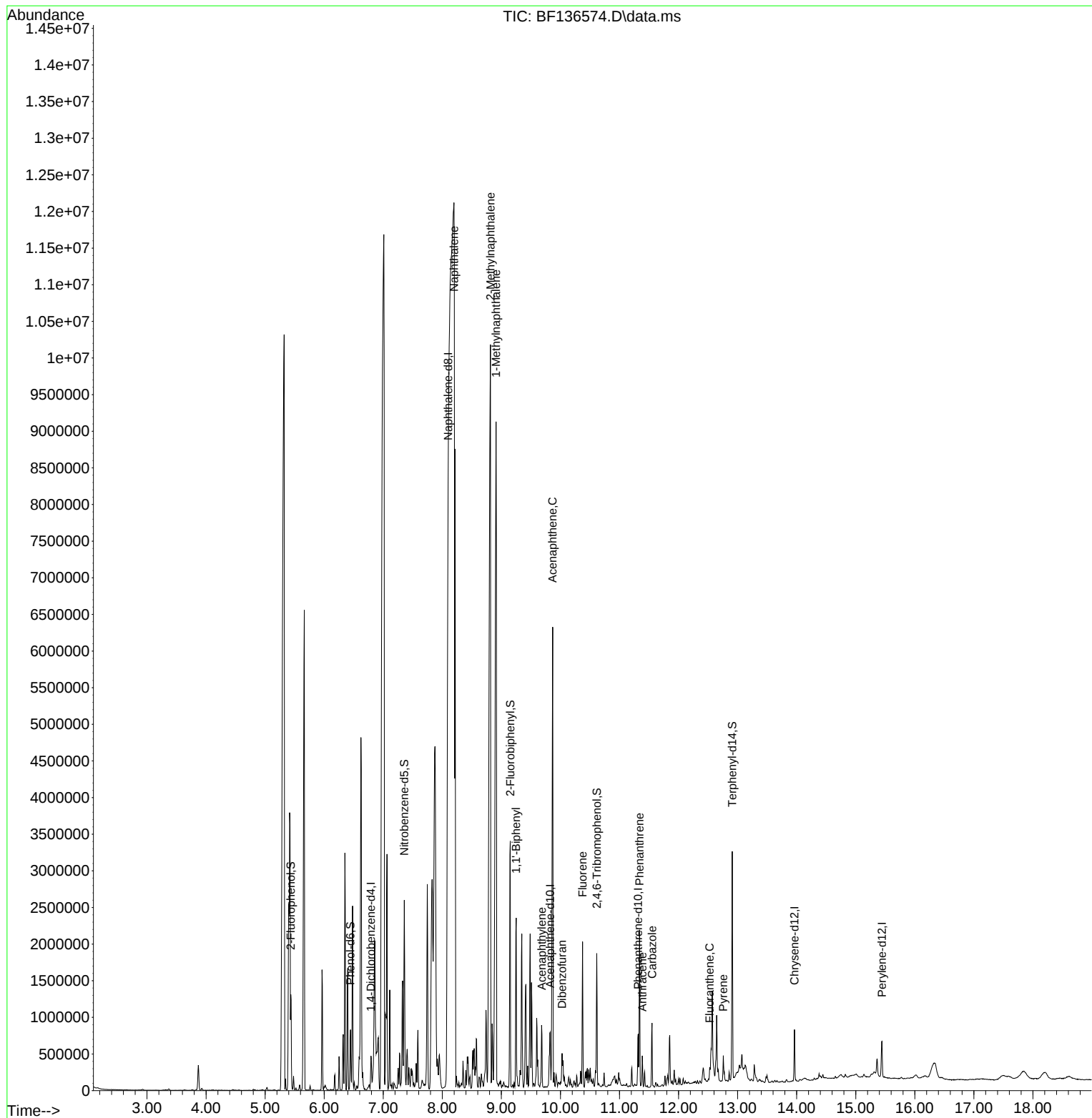
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121423\
Data File : BF136574.D
Acq On : 14 Dec 2023 18:17
Operator : CG\JU
Sample : 05612-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

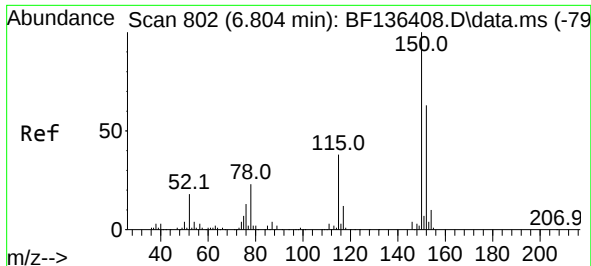
Instrument :
BNA_F
ClientSampleId :
MW-06I

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/15/2023
Supervised By :mohammad ahmed 12/15/2023

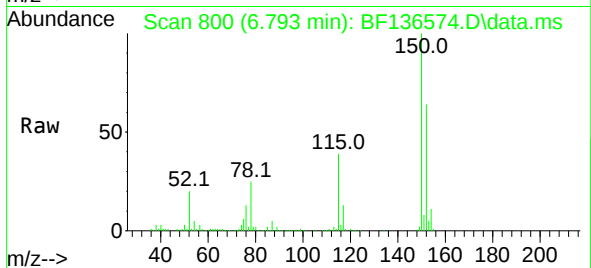
Quant Time: Dec 15 00:35:25 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 15 00:33:23 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17

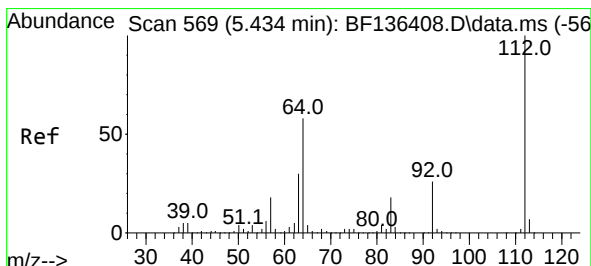
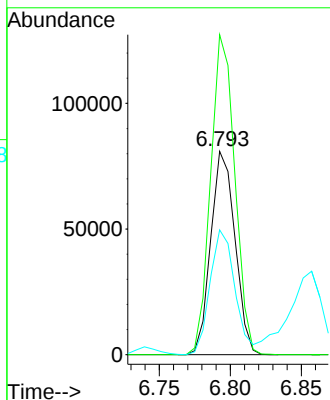
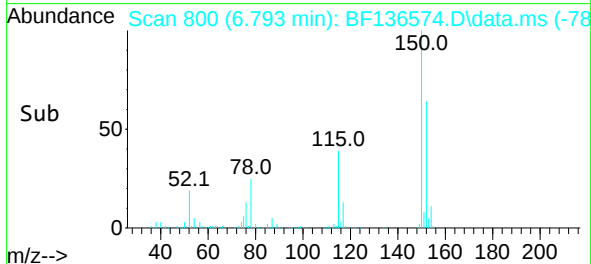
Instrument :
BNA_F
ClientSampleId :
MW-06I



Tgt Ion:152 Resp: 96162
Ion Ratio Lower Upper
152 100
150 157.3 126.4 189.6
115 61.4 48.2 72.4

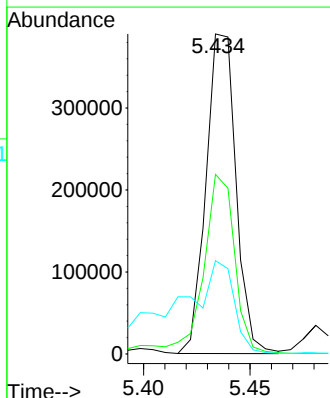
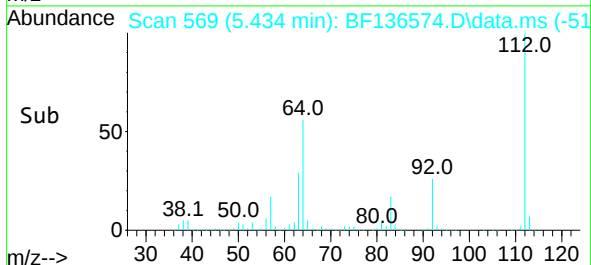
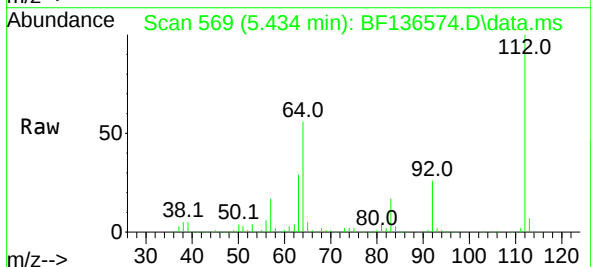
Manual Integrations
APPROVED

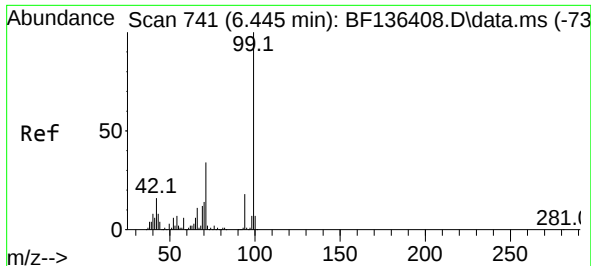
Reviewed By :Yogesh Patel 12/15/2023
Supervised By :mohammad ahmed 12/15/2023



#5
2-Fluorophenol
Concen: 58.817 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.012 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17

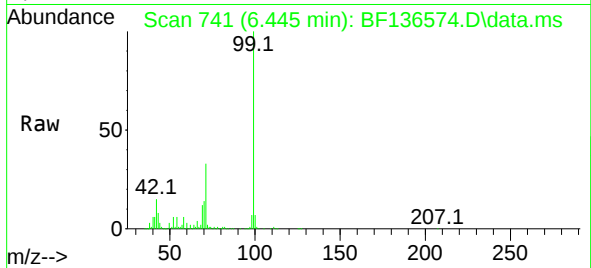
Tgt Ion:112 Resp: 382980
Ion Ratio Lower Upper
112 100
64 56.1 46.5 69.7
63 29.2 23.9 35.9





#7
Phenol-d6
Concen: 36.694 ng
RT: 6.445 min Scan# 741
Delta R.T. 0.012 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17

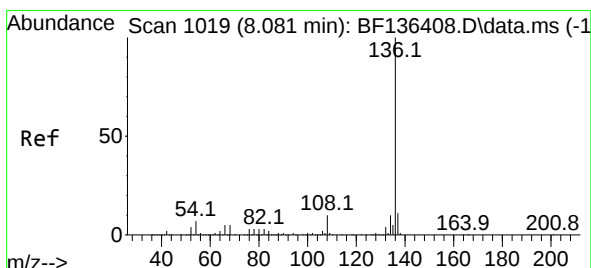
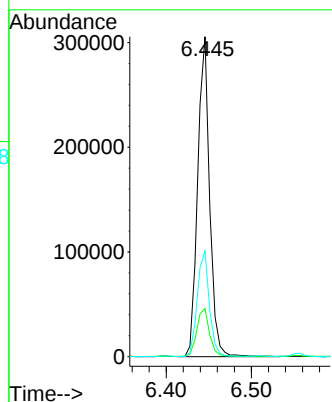
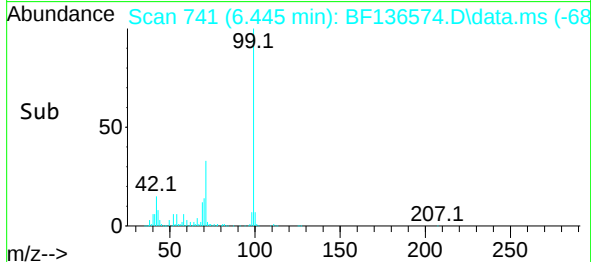
Instrument :
BNA_F
ClientSampleId :
MW-061



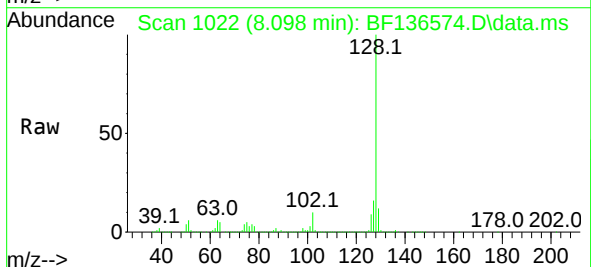
Tgt Ion: 99 Resp: 29810
Ion Ratio Lower Upper
99 100
42 15.0 12.8 19.2
71 33.1 27.0 40.4

Manual Integrations
APPROVED

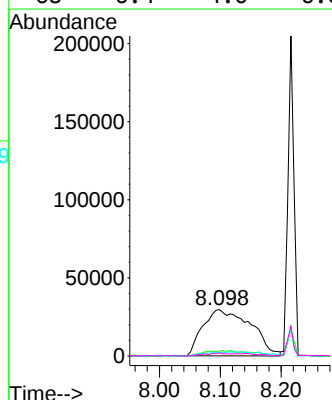
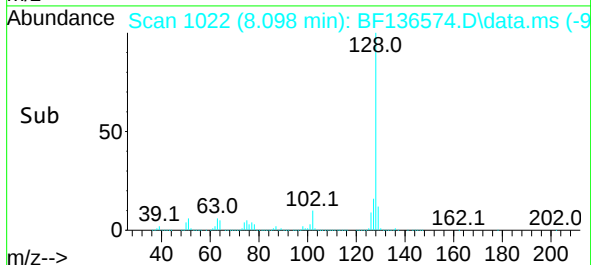
Reviewed By :Yogesh Patel 12/15/2023
Supervised By :mohammad ahmed 12/15/2023

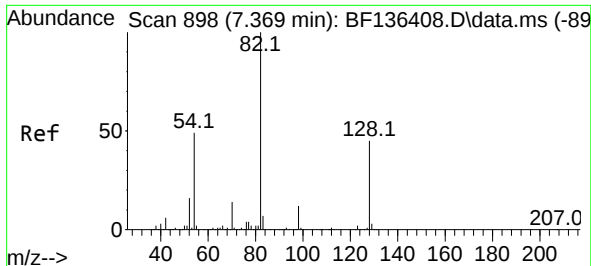


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.029 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17



Tgt Ion:136 Resp: 162032
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 7.7 5.7 8.5
68 6.4 4.0 6.0#





#23

Nitrobenzene-d5

Concen: 184.445 ng

RT: 7.357 min Scan# 89

Delta R.T. 0.000 min

Lab File: BF136574.D

Acq: 14 Dec 2023 18:17

Instrument :

BNA_F

ClientSampleId :

MW-06I

Tgt Ion: 82 Resp: 552820

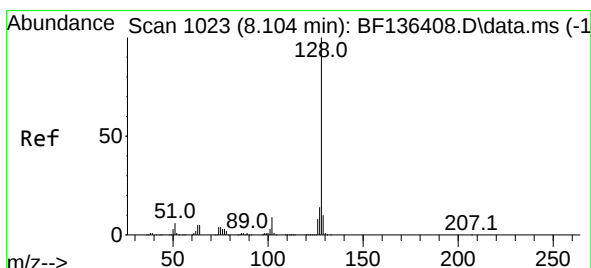
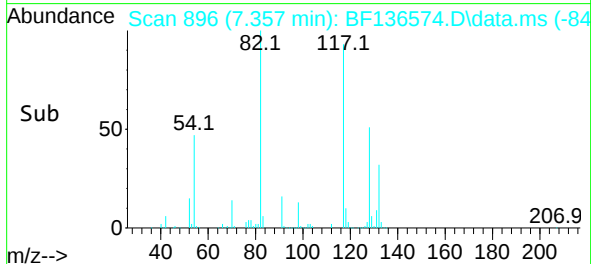
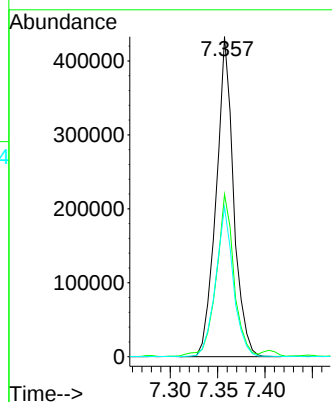
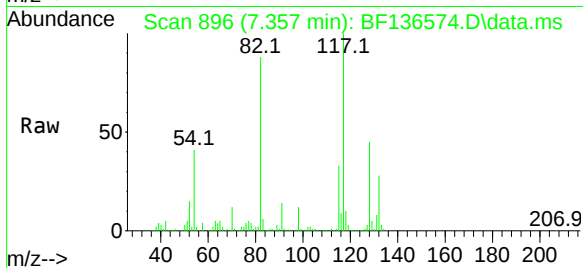
Ion	Ratio	Lower	Upper
82	100		
128	50.8	36.3	54.5
54	46.8	39.0	58.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/15/2023

Supervised By :mohammad ahmed 12/15/2023



#31

Naphthalene

Concen: 3991.165 ng m

RT: 8.198 min Scan# 1039

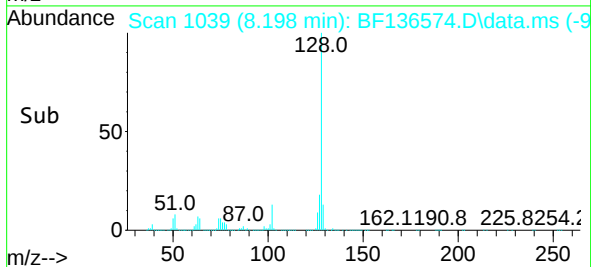
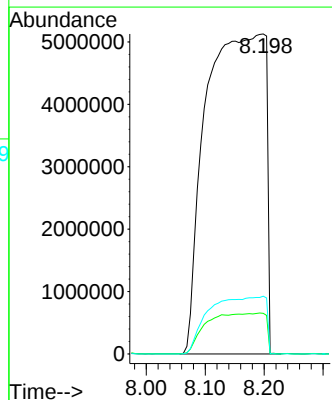
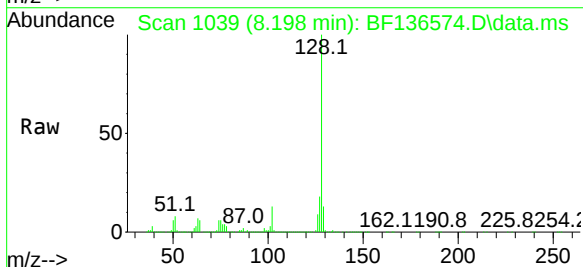
Delta R.T. 0.106 min

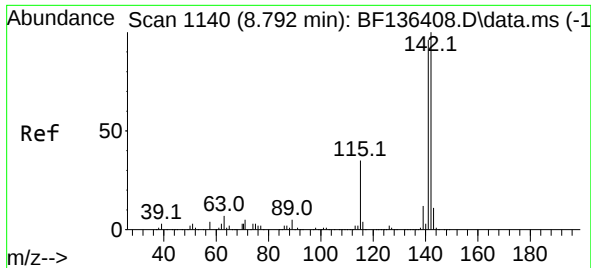
Lab File: BF136574.D

Acq: 14 Dec 2023 18:17

Tgt Ion:128 Resp:35662698

Ion	Ratio	Lower	Upper
128	100		
129	12.7	8.3	12.5#
127	18.0	11.1	16.7#





#37

2-Methylnaphthalene

Concen: 940.353 ng

RT: 8.816 min Scan# 1144

Delta R.T. 0.035 min

Lab File: BF136574.D

Acq: 14 Dec 2023 18:17

Instrument :

BNA_F

ClientSampleId :

MW-06I

Tgt Ion:142 Resp: 534555

Ion Ratio Lower Upper

142 100

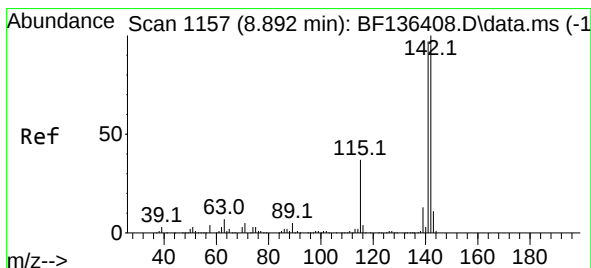
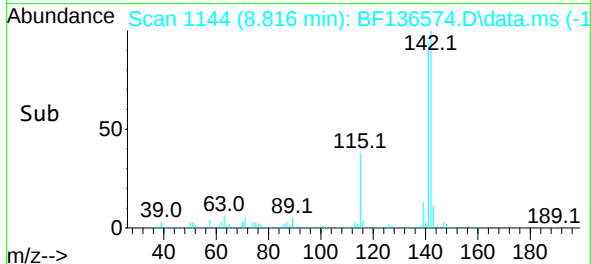
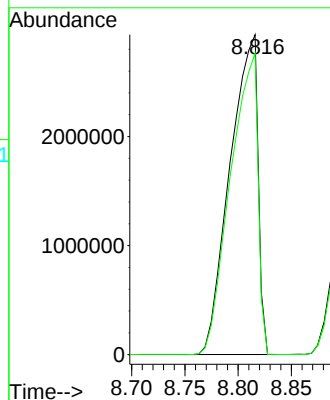
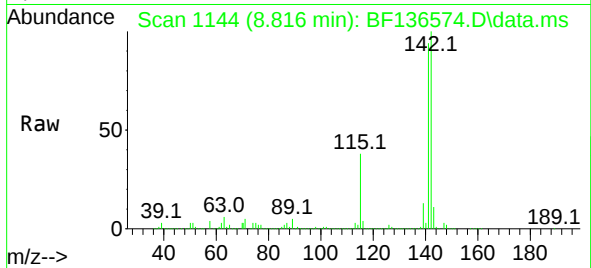
141 94.2 76.4 114.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/15/2023

Supervised By :mohammad ahmed 12/15/2023



#38

1-Methylnaphthalene

Concen: 719.141 ng

RT: 8.910 min Scan# 1160

Delta R.T. 0.029 min

Lab File: BF136574.D

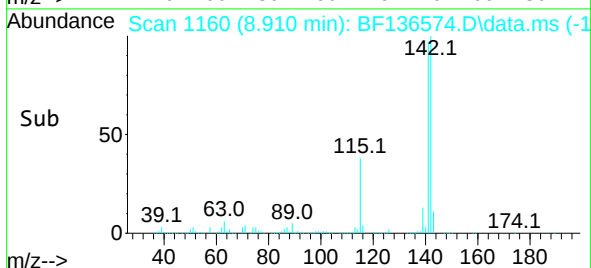
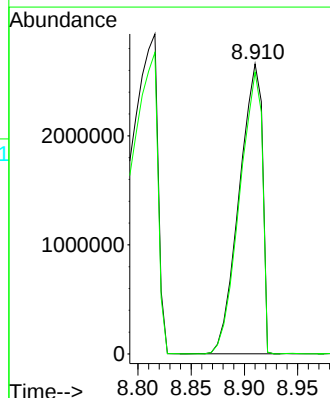
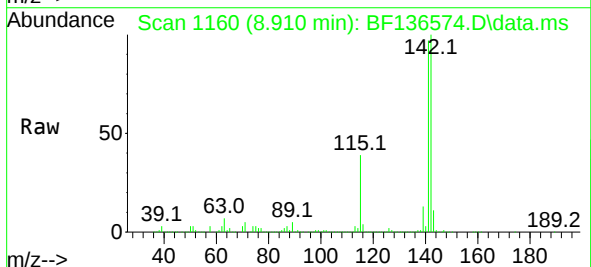
Acq: 14 Dec 2023 18:17

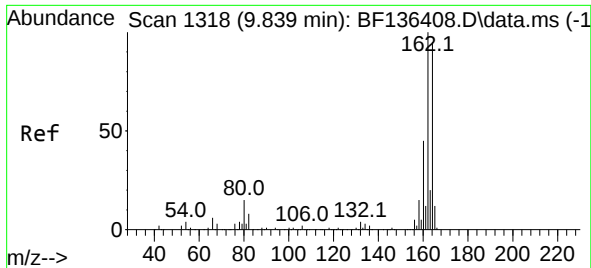
Tgt Ion:142 Resp: 4011508

Ion Ratio Lower Upper

142 100

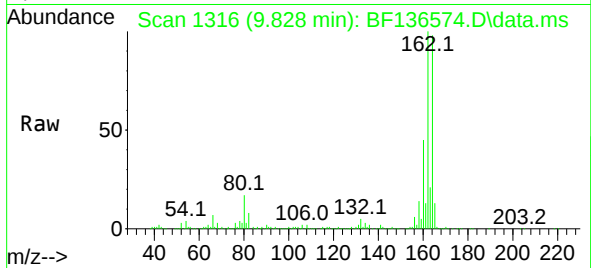
141 97.1 77.7 116.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17

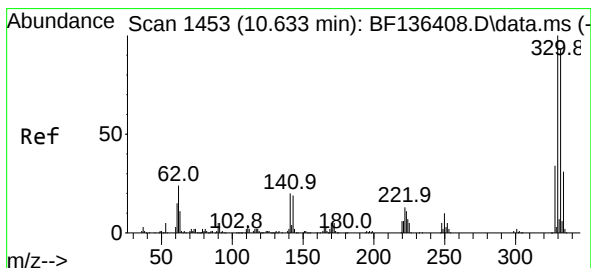
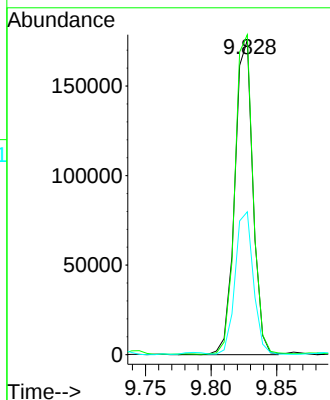
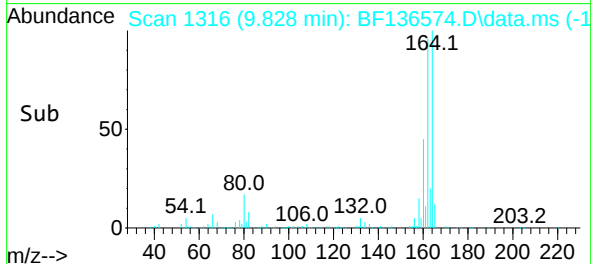
Instrument :
BNA_F
ClientSampleId :
MW-06I



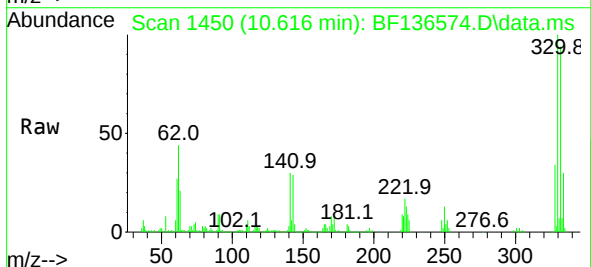
Tgt Ion:164 Resp: 169458
Ion Ratio Lower Upper
164 100
162 101.8 84.4 126.6
160 45.5 37.6 56.4

Manual Integrations
APPROVED

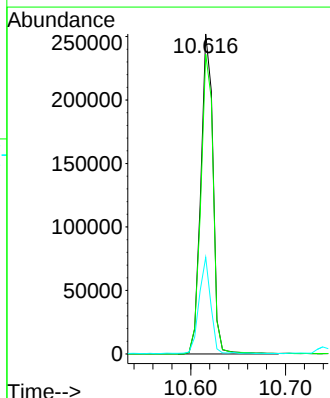
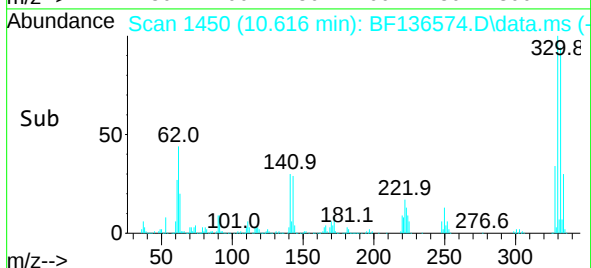
Reviewed By :Yogesh Patel 12/15/2023
Supervised By :mohammad ahmed 12/15/2023

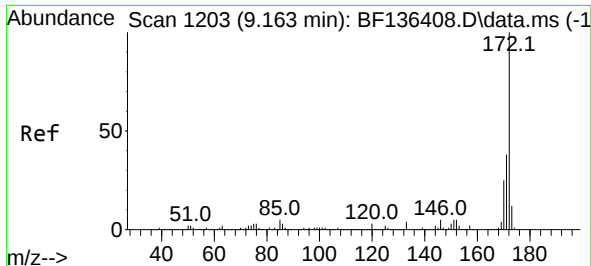


#42
2,4,6-Tribromophenol
Concen: 107.516 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17



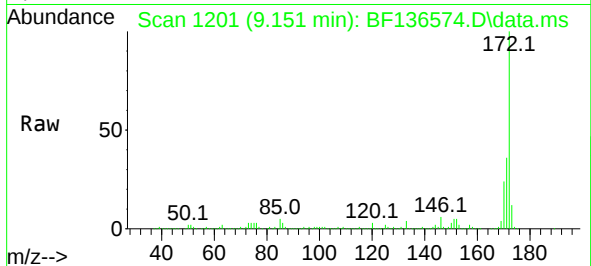
Tgt Ion:330 Resp: 224647
Ion Ratio Lower Upper
330 100
332 95.5 76.4 114.6
141 29.0 23.4 35.2





#45
2-Fluorobiphenyl
Concen: 87.290 ng
RT: 9.151 min Scan# 1201
Delta R.T. 0.006 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17

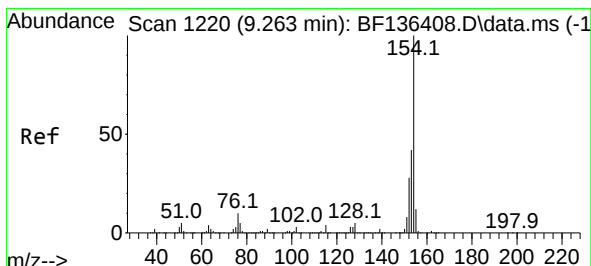
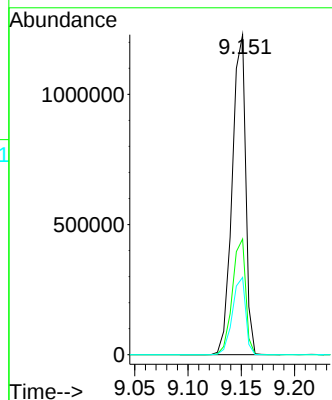
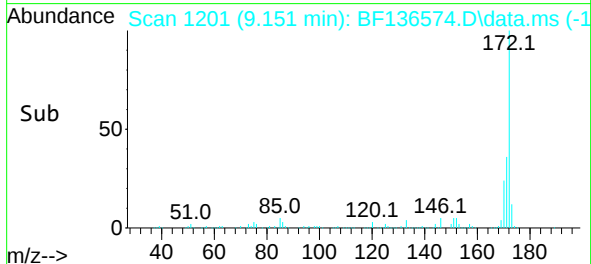
Instrument :
BNA_F
Client Sample Id :
MW-061



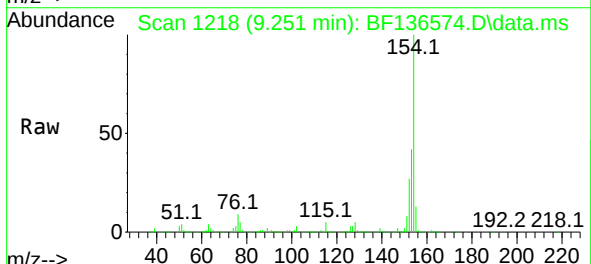
Tgt Ion:172 Resp: 108406
Ion Ratio Lower Upper
172 100
171 36.2 30.5 45.7
170 24.2 19.9 29.9

Manual Integrations
APPROVED

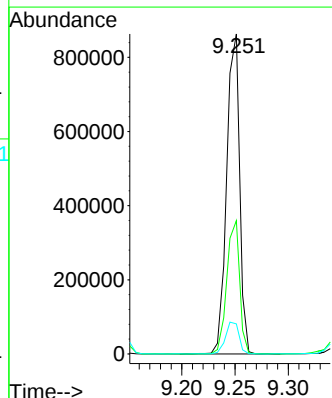
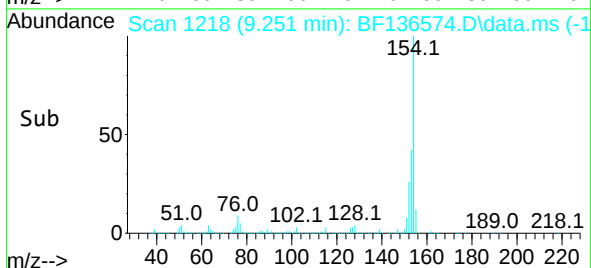
Reviewed By :Yogesh Patel 12/15/2023
Supervised By :mohammad ahmed 12/15/2023

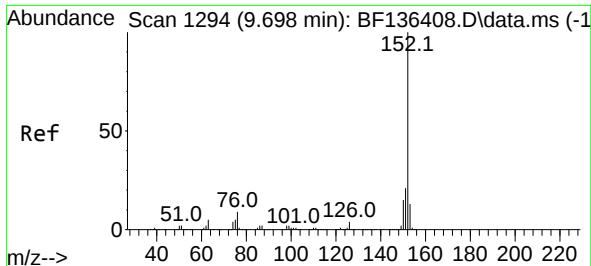


#46
1,1'-Biphenyl
Concen: 50.430 ng
RT: 9.251 min Scan# 1218
Delta R.T. 0.006 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17



Tgt Ion:154 Resp: 727150
Ion Ratio Lower Upper
154 100
153 41.6 22.5 62.5
76 9.4 0.0 29.9





#49

Acenaphthylene

Concen: 7.483 ng

RT: 9.686 min Scan# 119630

Delta R.T. 0.000 min

Lab File: BF136574.D

Acq: 14 Dec 2023 18:17

Instrument :

BNA_F

ClientSampleId :

MW-06I

Tgt Ion:152 Resp: 119630

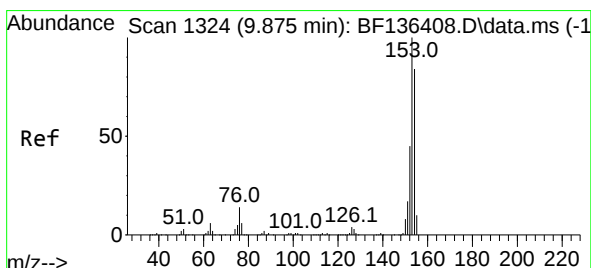
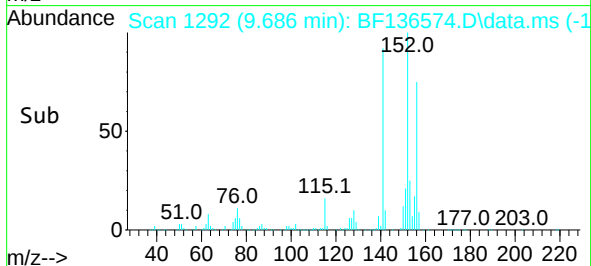
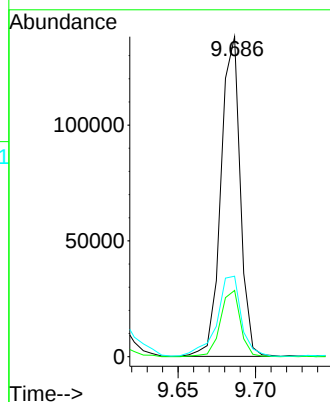
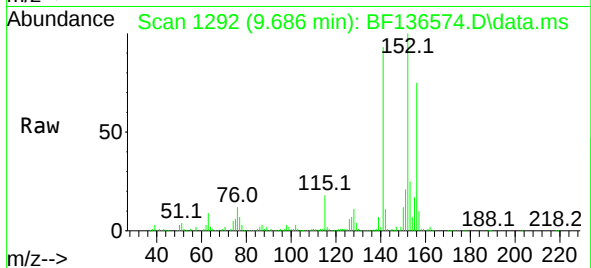
Ion	Ratio	Lower	Upper
152	100		
151	20.7	17.2	25.8
153	25.2	10.6	15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/15/2023

Supervised By :mohammad ahmed 12/15/2023



#52

Acenaphthene

Concen: 154.470 ng

RT: 9.869 min Scan# 1323

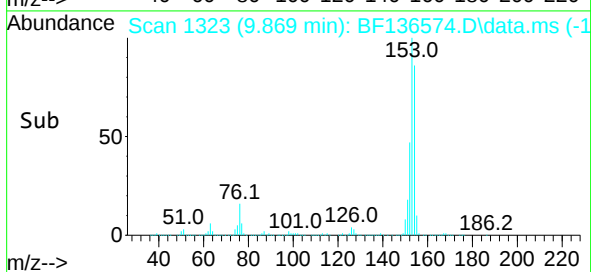
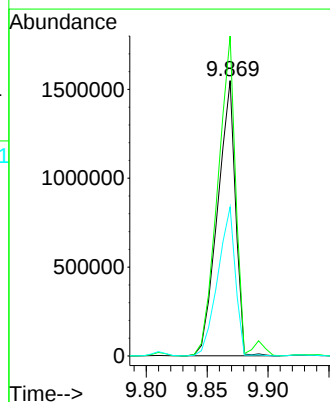
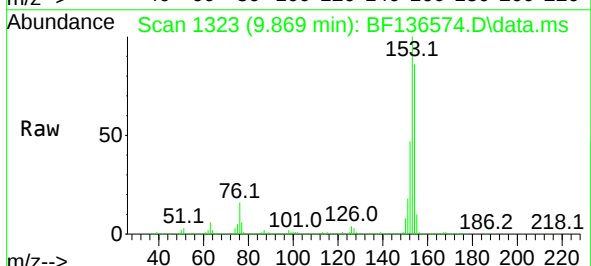
Delta R.T. 0.006 min

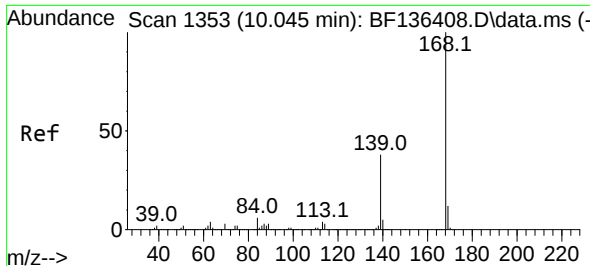
Lab File: BF136574.D

Acq: 14 Dec 2023 18:17

Tgt Ion:154 Resp: 1582496

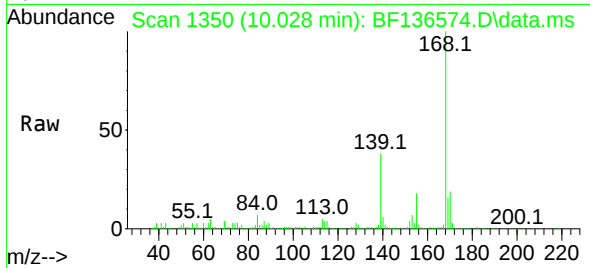
Ion	Ratio	Lower	Upper
154	100		
153	116.2	95.3	142.9
152	54.1	43.2	64.8





#55
Dibenzenofuran
Concen: 6.929 ng m
RT: 10.028 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17

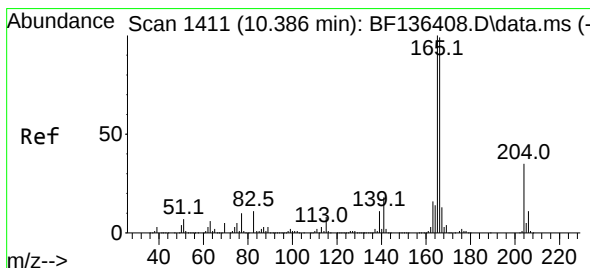
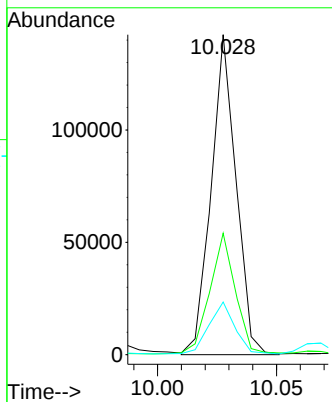
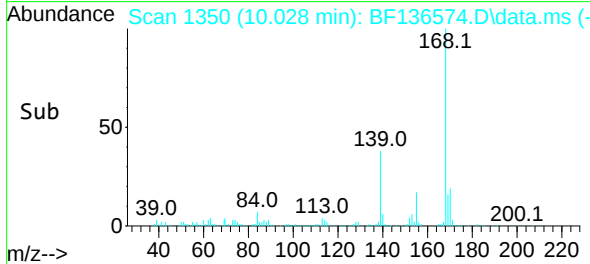
Instrument :
BNA_F
ClientSampleId :
MW-06I



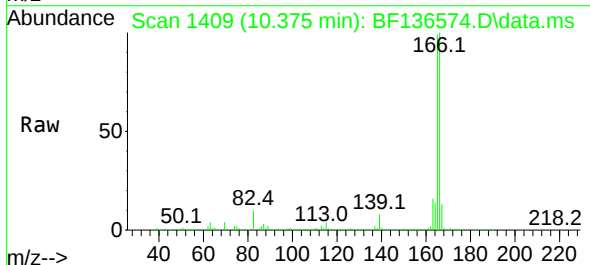
Tgt Ion:168 Resp: 103700
Ion Ratio Lower Upper
168 100
139 37.9 30.4 45.6
169 16.5 9.9 14.9

Manual Integrations
APPROVED

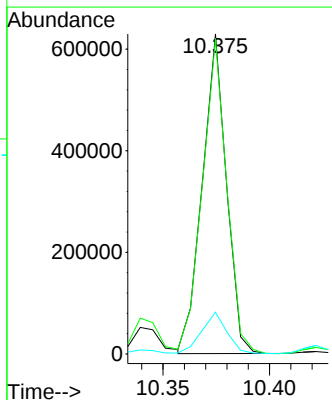
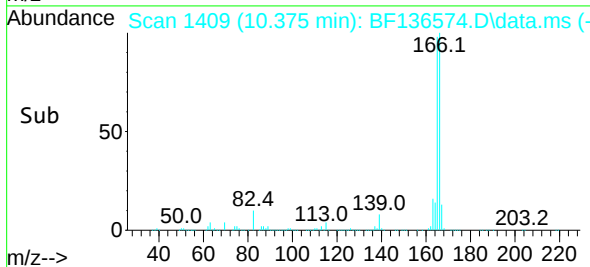
Reviewed By :Yogesh Patel 12/15/2023
Supervised By :mohammad ahmed 12/15/2023

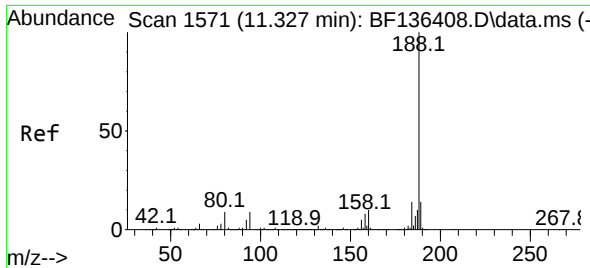


#58
Fluorene
Concen: 41.137 ng
RT: 10.375 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17



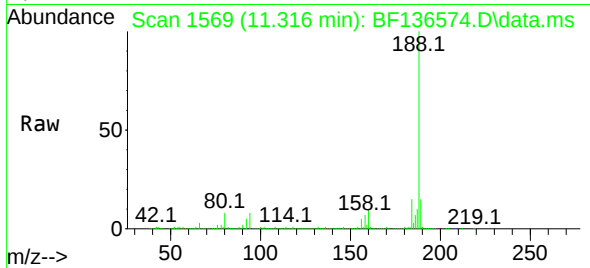
Tgt Ion:166 Resp: 494214
Ion Ratio Lower Upper
166 100
165 98.5 80.5 120.7
167 13.1 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17

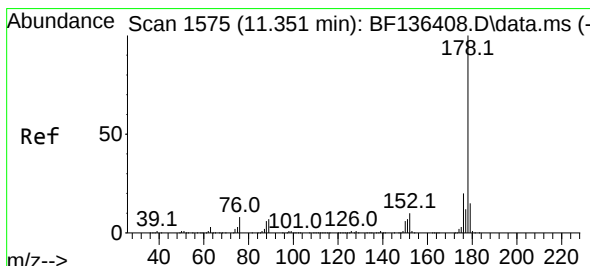
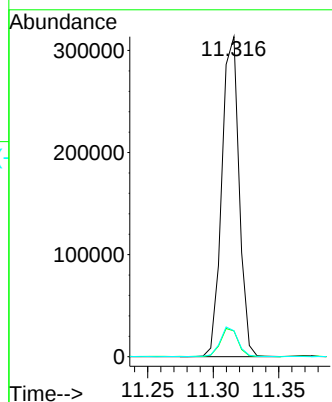
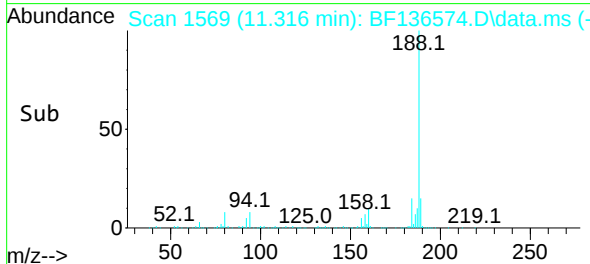
Instrument :
BNA_F
ClientSampleId :
MW-061



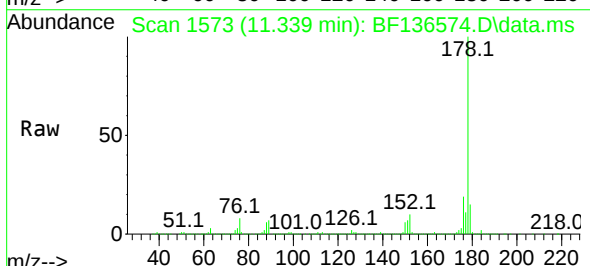
Tgt Ion:188 Resp: 287019
Ion Ratio Lower Upper
188 100
94 8.0 7.2 10.8
80 8.1 7.2 10.8

Manual Integrations
APPROVED

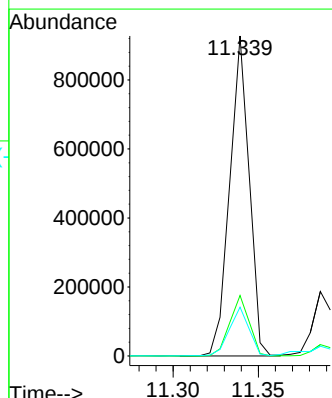
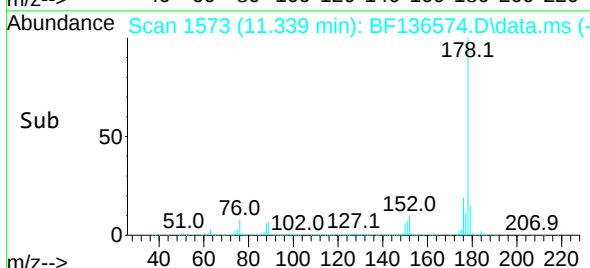
Reviewed By :Yogesh Patel 12/15/2023
Supervised By :mohammad ahmed 12/15/2023

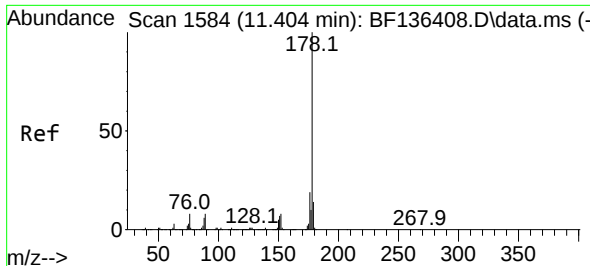


#71
Phenanthrene
Concen: 46.700 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17



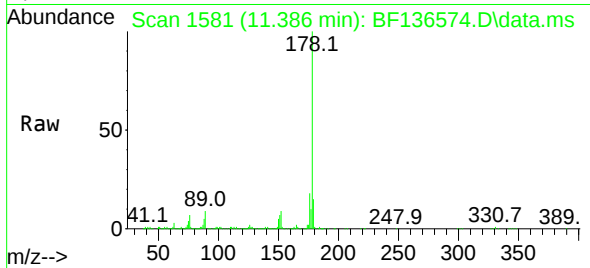
Tgt Ion:178 Resp: 736733
Ion Ratio Lower Upper
178 100
176 18.9 15.9 23.9
179 15.2 11.8 17.6





#72
 Anthracene
 Concen: 9.292 ng
 RT: 11.386 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF136574.D
 Acq: 14 Dec 2023 18:17

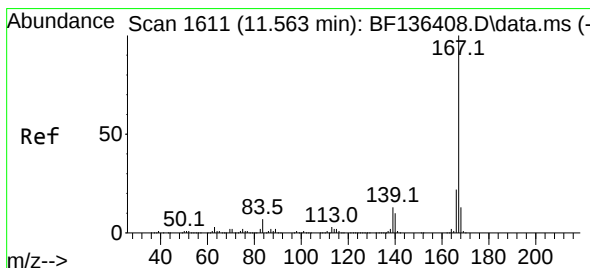
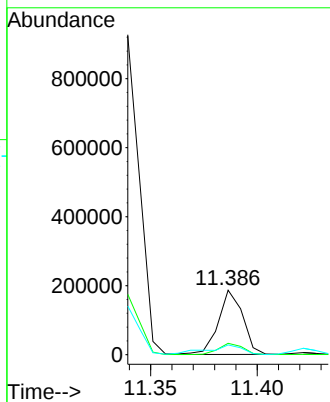
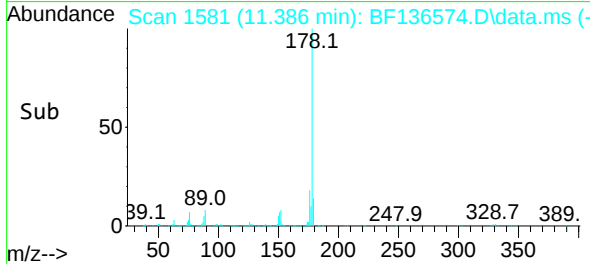
Instrument :
 BNA_F
 ClientSampleId :
 MW-06I



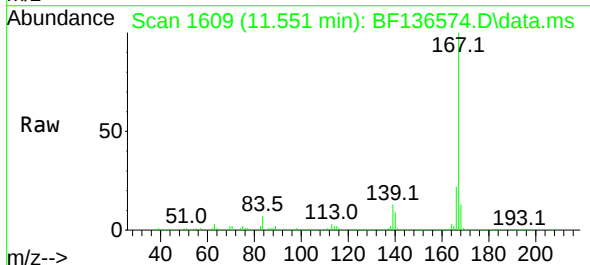
Tgt Ion:178 Resp: 147644
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.3 22.9
 179 15.2 11.4 17.0

Manual Integrations
 APPROVED

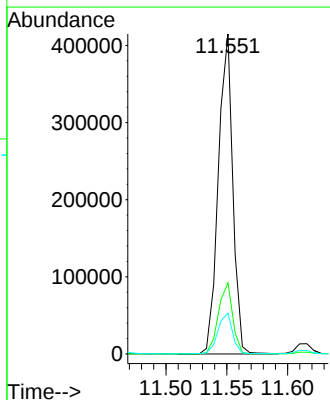
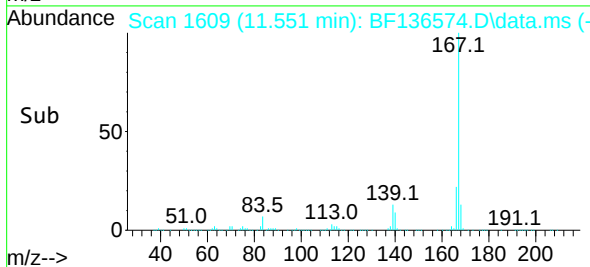
Reviewed By :Yogesh Patel 12/15/2023
 Supervised By :mohammad ahmed 12/15/2023

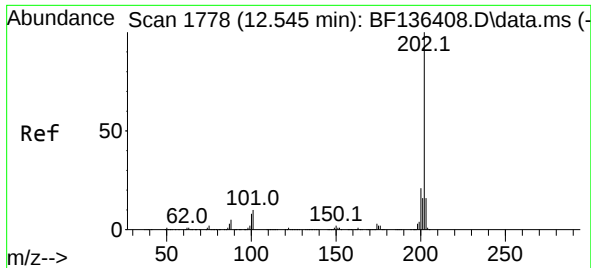


#73
 Carbazole
 Concen: 24.473 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. 0.000 min
 Lab File: BF136574.D
 Acq: 14 Dec 2023 18:17



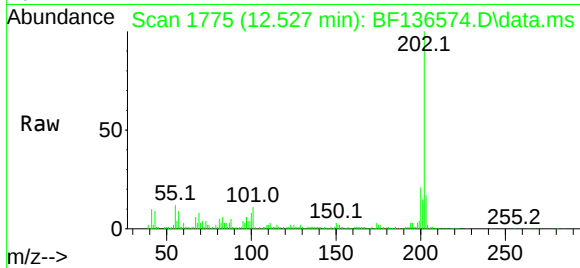
Tgt Ion:167 Resp: 344182
 Ion Ratio Lower Upper
 167 100
 166 22.2 18.0 27.0
 139 12.7 10.2 15.4





#75
Fluoranthene
Concen: 3.578 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17

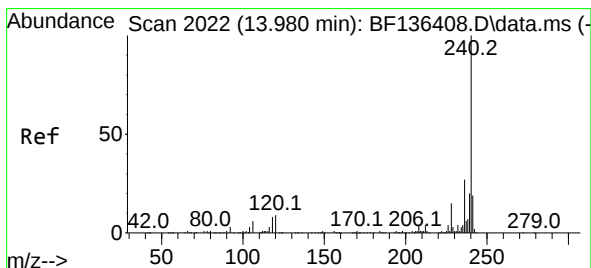
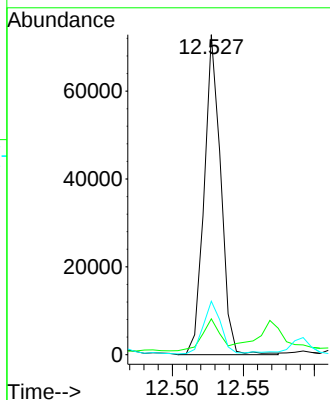
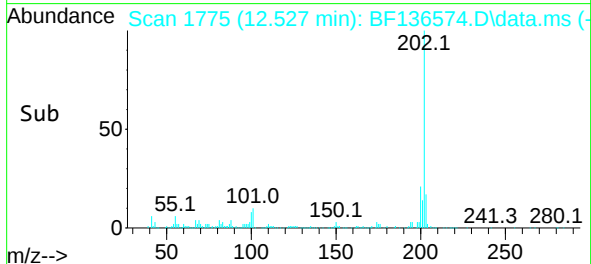
Instrument :
BNA_F
ClientSampleId :
MW-06I



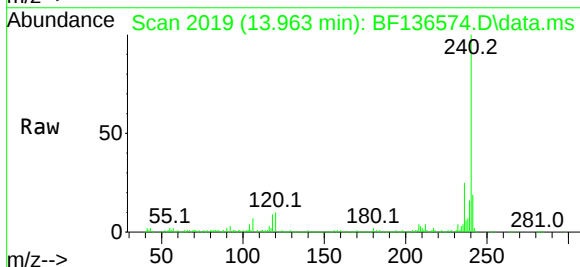
Tgt Ion:202 Resp: 5914
Ion Ratio Lower Upper
202 100
101 11.2 0.0 29.9
203 16.7 0.0 36.3

Manual Integrations
APPROVED

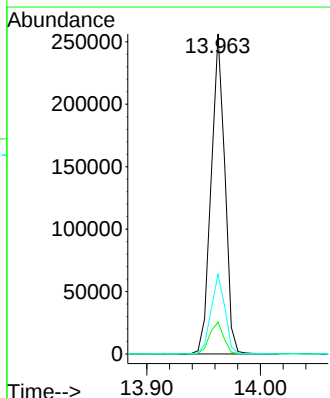
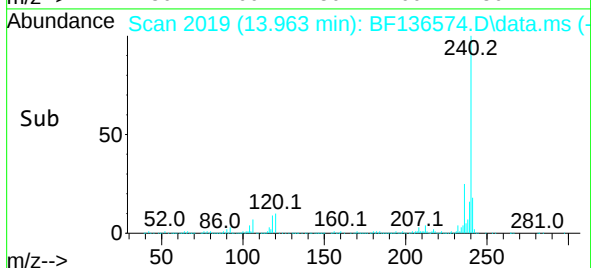
Reviewed By :Yogesh Patel 12/15/2023
Supervised By :mohammad ahmed 12/15/2023

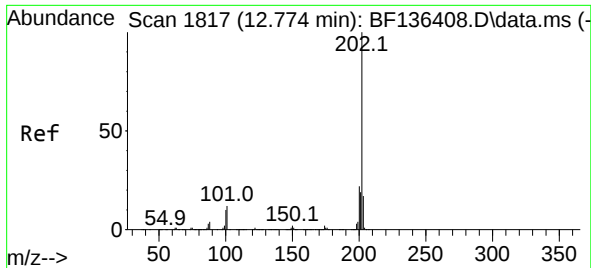


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17



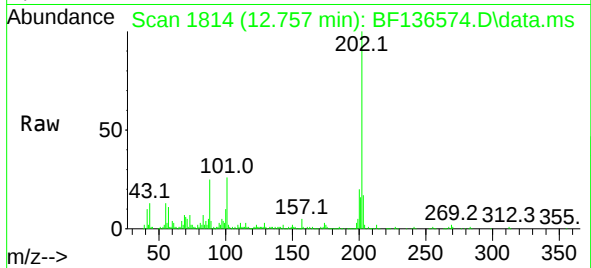
Tgt Ion:240 Resp: 214420
Ion Ratio Lower Upper
240 100
120 10.0 7.3 10.9
236 24.9 21.3 31.9





#78
Pyrene
Concen: 3.877 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17

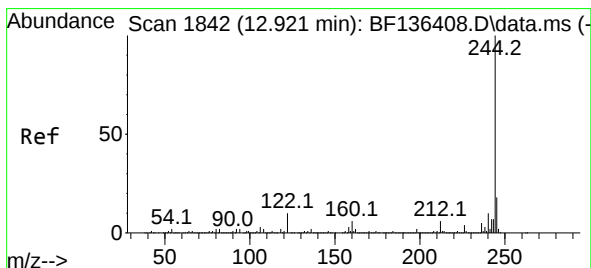
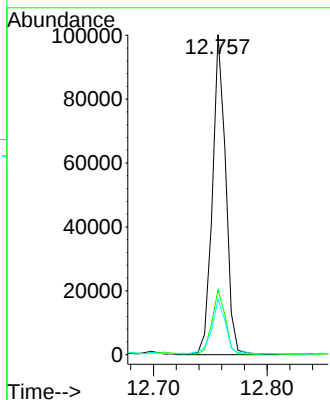
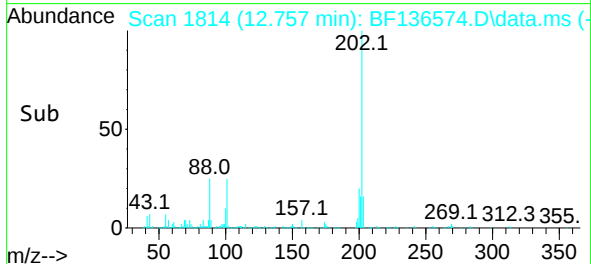
Instrument :
BNA_F
ClientSampleId :
MW-06I



Tgt Ion:202 Resp: 81409
Ion Ratio Lower Upper
202 100
200 20.3 18.0 27.0
203 17.3 13.5 20.3

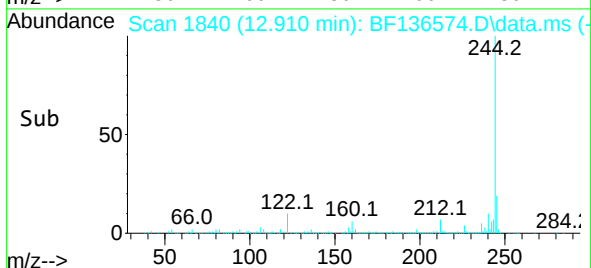
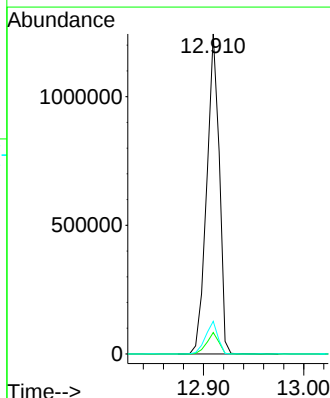
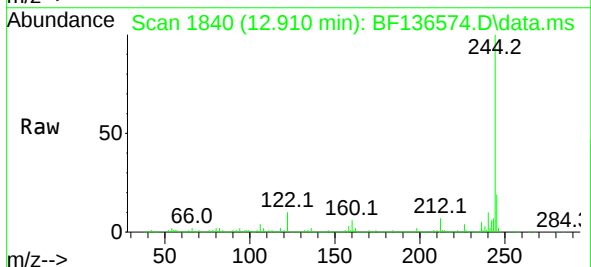
Manual Integrations
APPROVED

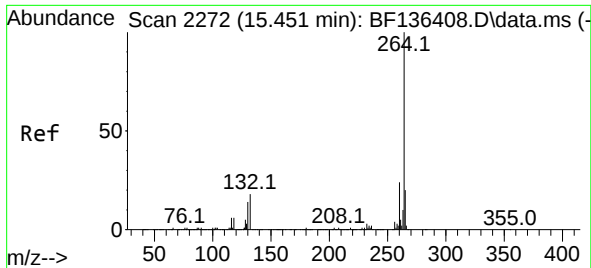
Reviewed By :Yogesh Patel 12/15/2023
Supervised By :mohammad ahmed 12/15/2023



#79
Terphenyl-d14
Concen: 66.620 ng
RT: 12.910 min Scan# 1840
Delta R.T. 0.000 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17

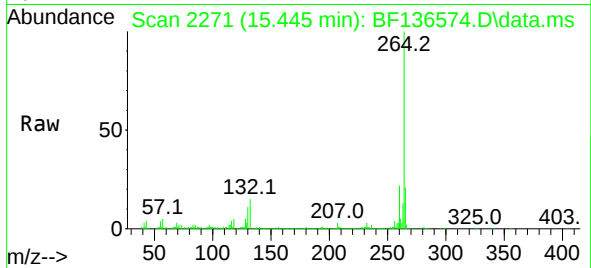
Tgt Ion:244 Resp: 1083781
Ion Ratio Lower Upper
244 100
212 6.7 5.0 7.4
122 10.2 8.3 12.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.445 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF136574.D
 Acq: 14 Dec 2023 18:17

Instrument :
 BNA_F
 ClientSampleId :
 MW-06I



Tgt Ion:264 Resp: 242620
 Ion Ratio Lower Upper
 264 100
 260 22.2 19.2 28.8
 265 21.2 15.9 23.9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/15/2023
 Supervised By :mohammad ahmed 12/15/2023

