

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052924\
 Data File : BF138060.D
 Acq On : 29 May 2024 15:40
 Operator : CG\JU
 Sample : P2637-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WCS-TPT

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/30/2024
 Supervised By :mohammad ahmed 05/31/2024

Quant Time: May 29 16:04:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.034	152	100326	20.000	ng	-0.01
21) Naphthalene-d8	8.316	136	387984	20.000	ng	-0.01
39) Acenaphthene-d10	10.081	164	217349	20.000	ng	0.00
64) Phenanthrene-d10	11.580	188	324949	20.000	ng	0.00
76) Chrysene-d12	14.233	240	189512	20.000	ng	# 0.00
86) Perylene-d12	15.804	264	189156	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.669	112	646468	109.455	ng	0.00
7) Phenol-d6	6.657	99	799998	109.957	ng	0.00
23) Nitrobenzene-d5	7.598	82	484293	73.459	ng	-0.01
42) 2,4,6-Tribromophenol	10.875	330	244816	111.710	ng	0.00
45) 2-Fluorobiphenyl	9.398	172	1024268	72.592	ng	0.00
79) Terphenyl-d14	13.169	244	838391	65.200	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.604	178	38902	2.429	ng	98
75) Fluoranthene	12.798	202	57876	3.561	ng	98
78) Pyrene	13.027	202	51262	3.093	ng	100
81) Benzo(a)anthracene	14.221	228	24583	2.050	ng	# 94
83) Chrysene	14.257	228	22978	2.004	ng	# 96
88) Benzo(b)fluoranthene	15.327	252	27737m	2.533	ng	
90) Benzo(a)pyrene	15.727	252	19714	2.108	ng	# 89

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

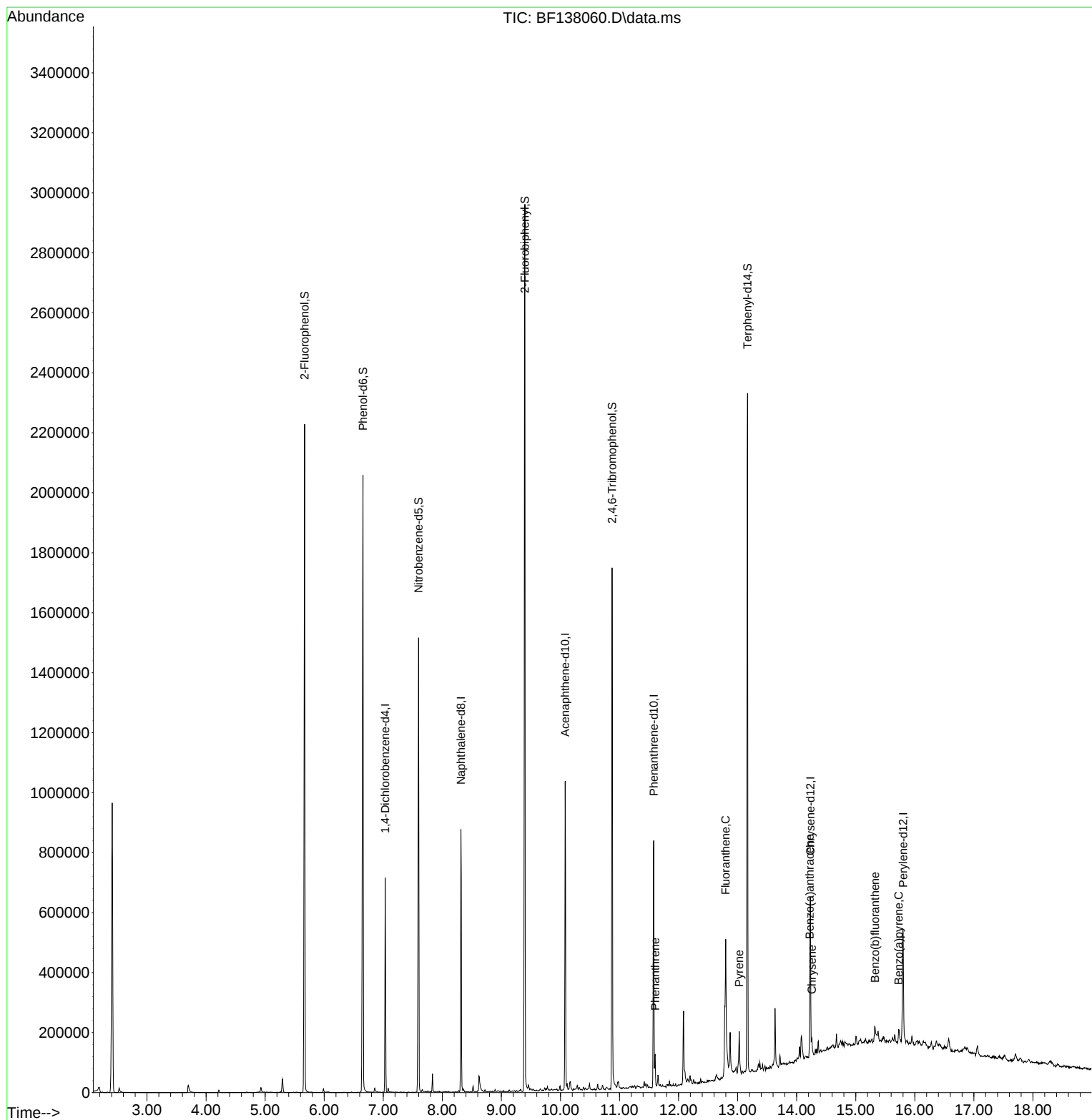
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052924\
Data File : BF138060.D
Acq On : 29 May 2024 15:40
Operator : CG\JU
Sample : P2637-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

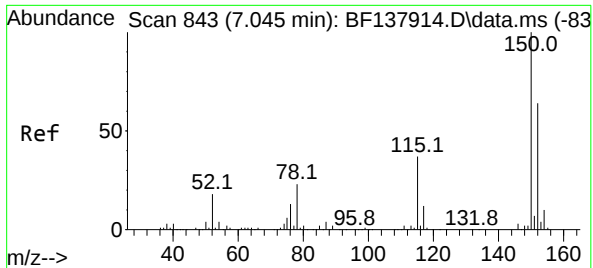
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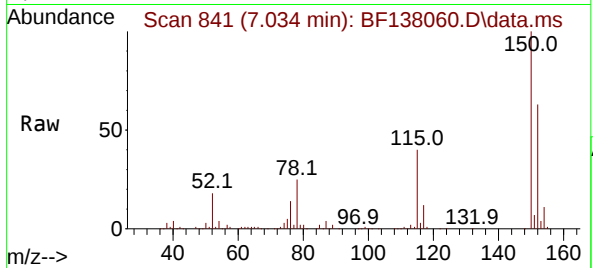
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 15 04:12:16 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.034 min Scan# 843
Delta R.T. -0.011 min
Lab File: BF138060.D
Acq: 29 May 2024 15:40

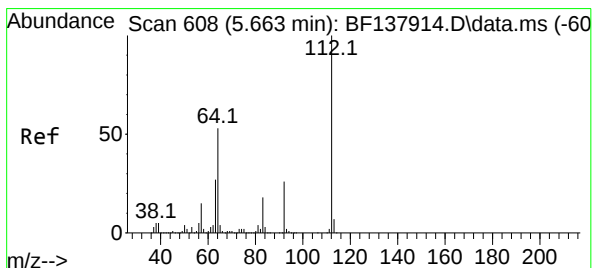
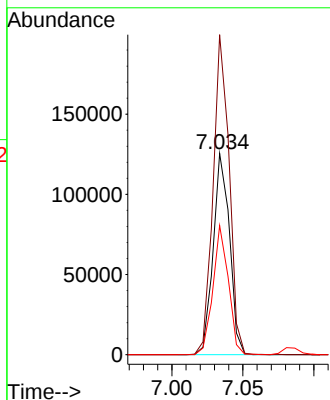
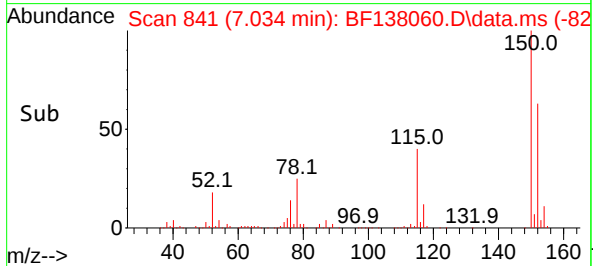
Instrument :
BNA_F
ClientSampleId :
WCS-TPT



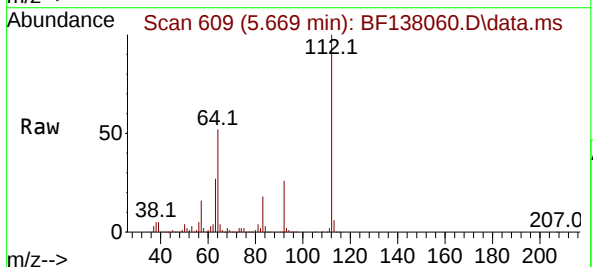
Tgt Ion:152 Resp: 100320
Ion Ratio Lower Upper
152 100
150 159.0 125.7 188.5
115 64.1 47.0 70.6

Manual Integrations
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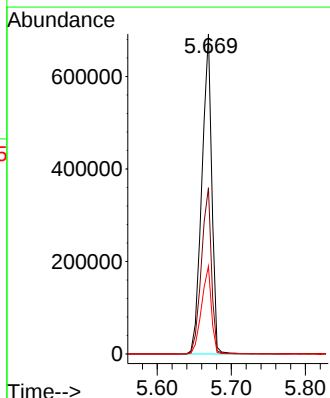
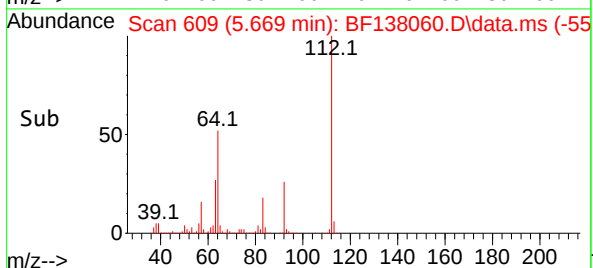
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024

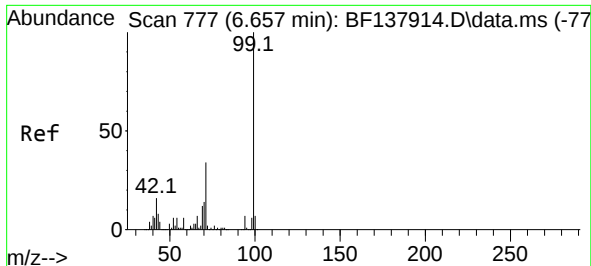


#5
2-Fluorophenol
Concen: 109.455 ng
RT: 5.669 min Scan# 609
Delta R.T. 0.006 min
Lab File: BF138060.D
Acq: 29 May 2024 15:40



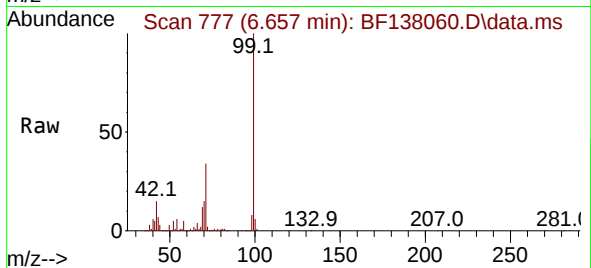
Tgt Ion:112 Resp: 646468
Ion Ratio Lower Upper
112 100
64 52.0 42.4 63.6
63 27.4 21.4 32.2





#7
Phenol-d6
Concen: 109.957 ng
RT: 6.657 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF138060.D
Acq: 29 May 2024 15:40

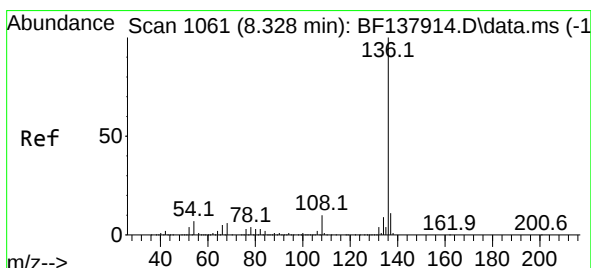
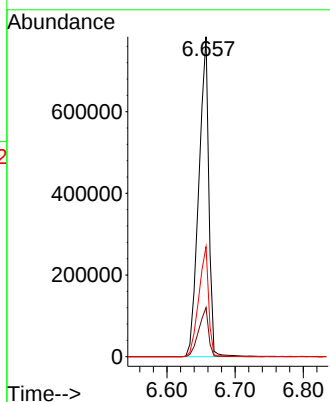
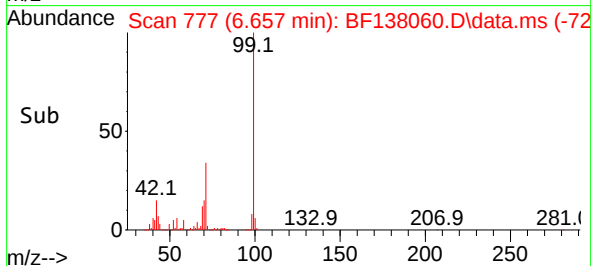
Instrument :
BNA_F
ClientSampleId :
WCS-TPT



Tgt Ion: 99 Resp: 799998
Ion Ratio Lower Upper
99 100
42 15.3 12.6 18.8
71 34.4 27.1 40.7

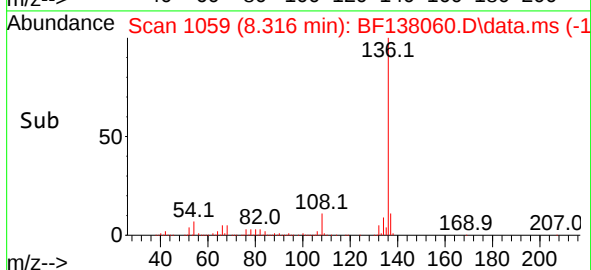
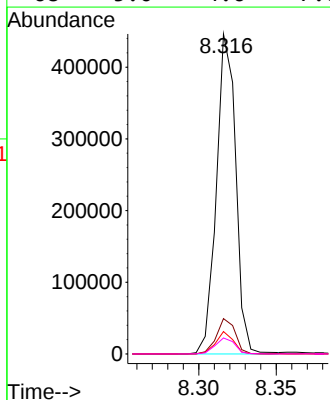
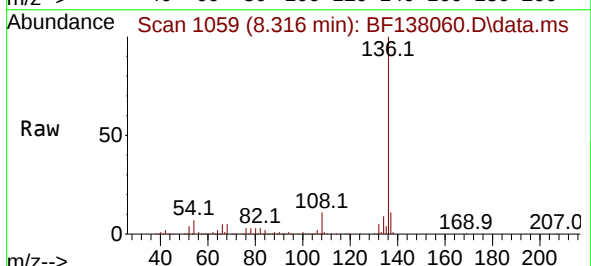
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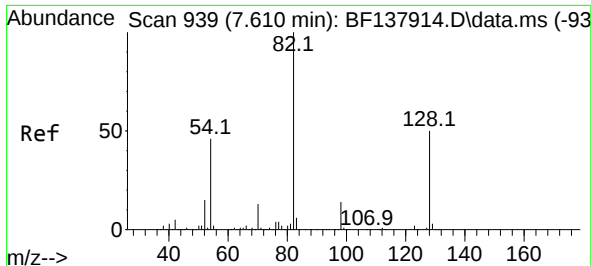
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF138060.D
Acq: 29 May 2024 15:40

Tgt Ion:136 Resp: 387984
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 7.0 5.4 8.2
68 5.0 4.6 7.0





#23
Nitrobenzene-d5
Concen: 73.459 ng
RT: 7.598 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF138060.D
Acq: 29 May 2024 15:40

Instrument :

BNA_F

ClientSampleId :

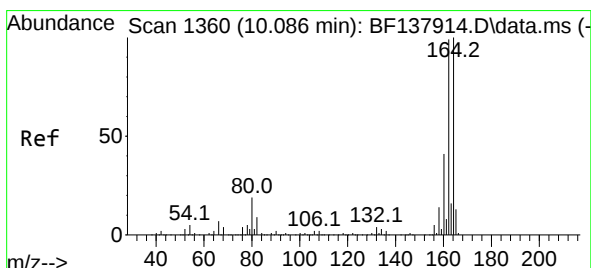
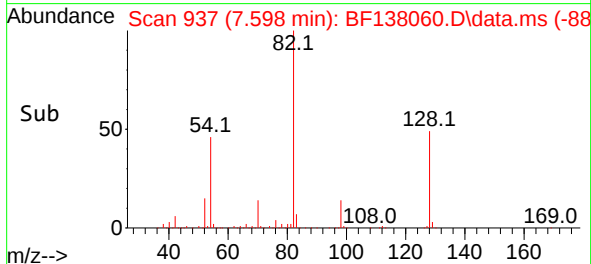
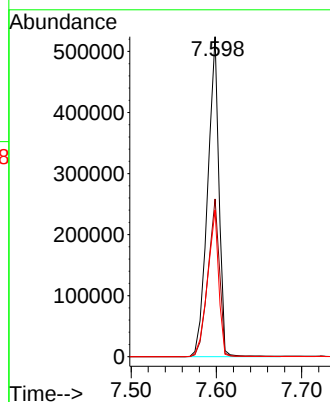
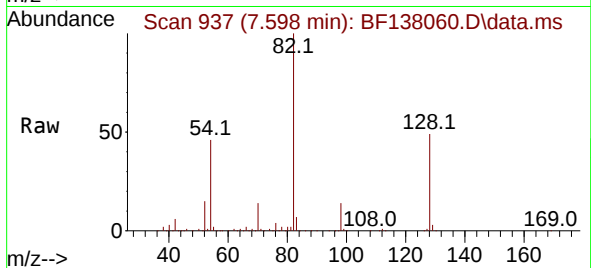
WCS-TPT

Tgt Ion: 82 Resp: 48429
Ion Ratio Lower Upper
82 100
128 49.3 40.3 60.5
54 45.9 36.8 55.2

Manual Integrations

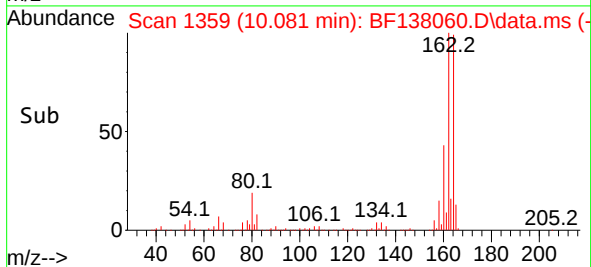
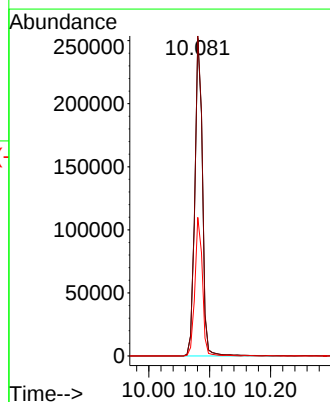
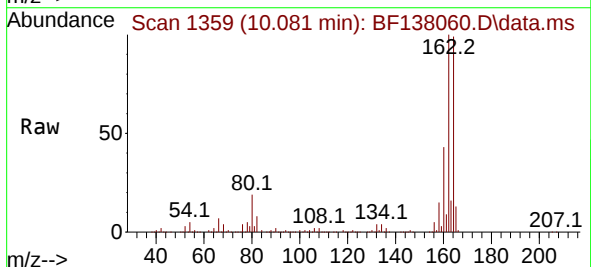
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Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.005 min
Lab File: BF138060.D
Acq: 29 May 2024 15:40

Tgt Ion:164 Resp: 217349
Ion Ratio Lower Upper
164 100
162 100.7 79.4 119.2
160 43.6 33.1 49.7





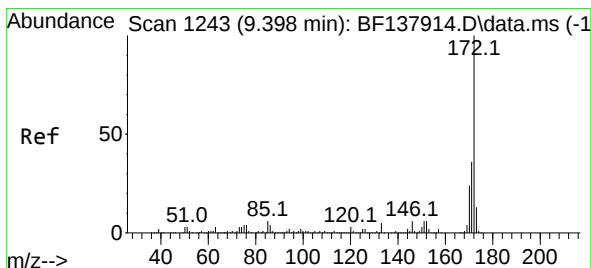
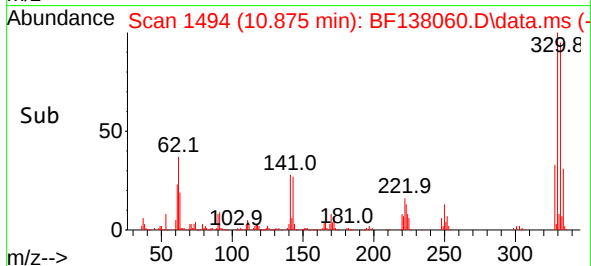
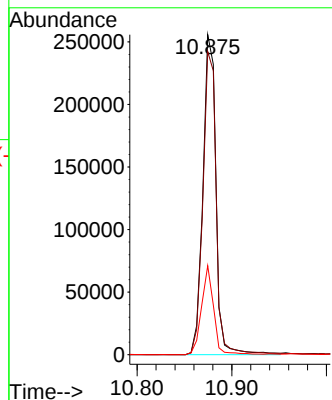
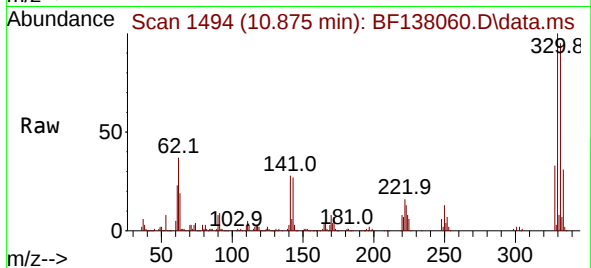
#42
2,4,6-Tribromophenol
Concen: 111.710 ng
RT: 10.875 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF138060.D
Acq: 29 May 2024 15:40

Instrument :
BNA_F
ClientSampleId :
WCS-TPT

Tgt Ion:330 Resp: 244810
Ion Ratio Lower Upper
330 100
332 97.4 75.8 113.8
141 25.7 23.8 35.6

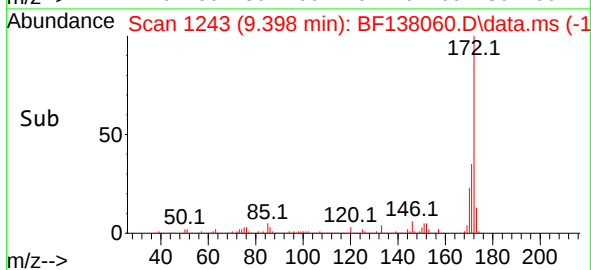
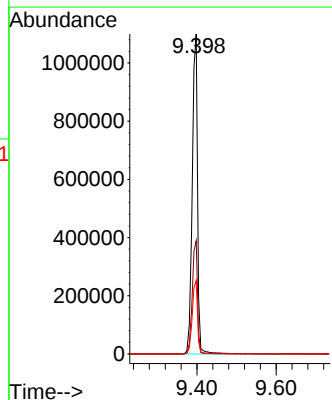
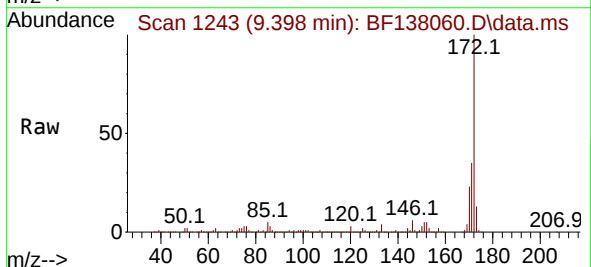
Manual Integrations
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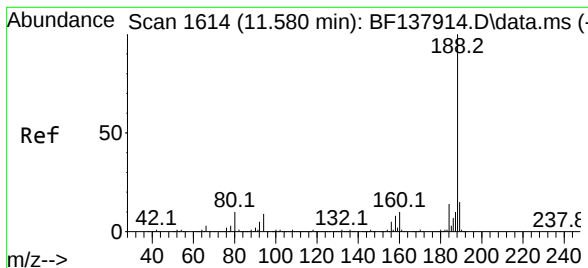
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024



#45
2-Fluorobiphenyl
Concen: 72.592 ng
RT: 9.398 min Scan# 1243
Delta R.T. 0.000 min
Lab File: BF138060.D
Acq: 29 May 2024 15:40

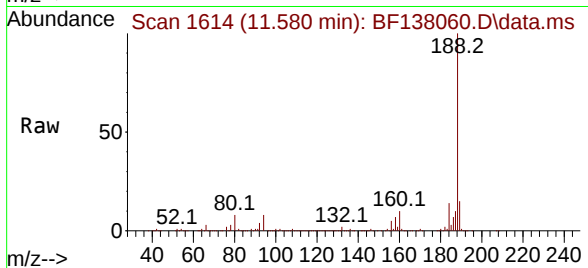
Tgt Ion:172 Resp: 1024268
Ion Ratio Lower Upper
172 100
171 35.4 28.9 43.3
170 22.9 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.580 min Scan# 1614
Delta R.T. 0.000 min
Lab File: BF138060.D
Acq: 29 May 2024 15:40

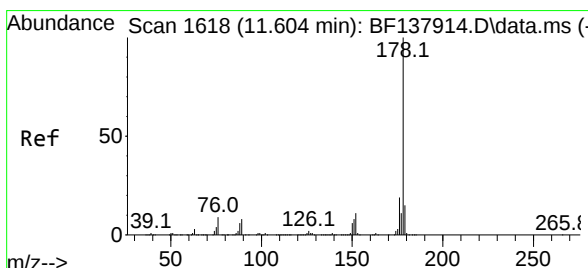
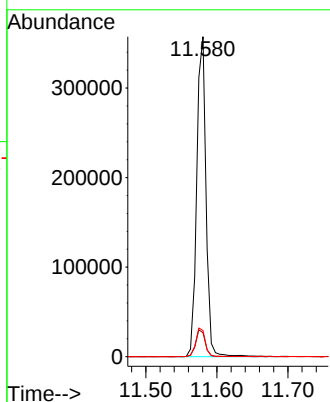
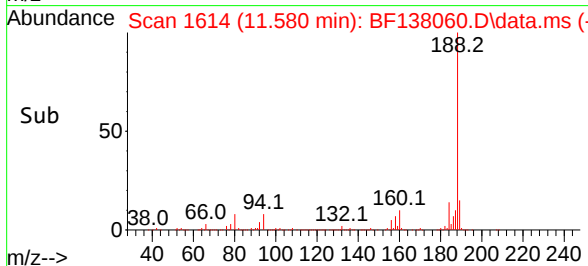
Instrument :
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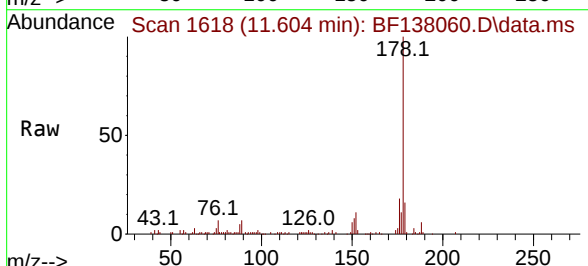
Tgt Ion:188 Resp: 324949
Ion Ratio Lower Upper
188 100
94 7.5 7.0 10.4
80 8.2 7.7 11.5

Manual Integrations
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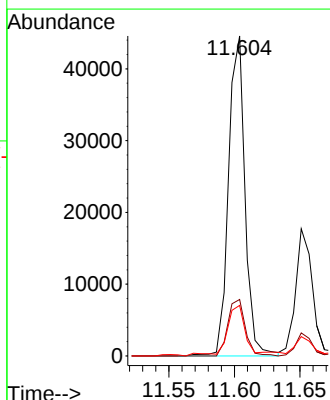
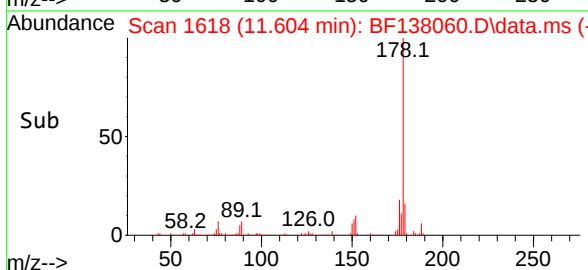
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024

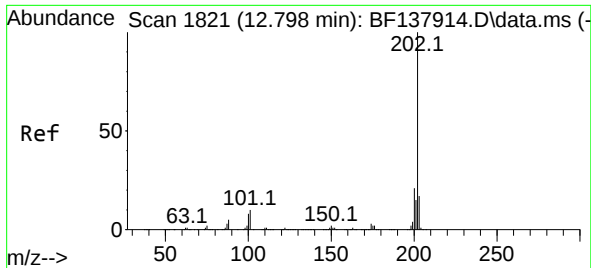


#71
Phenanthrene
Concen: 2.429 ng
RT: 11.604 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BF138060.D
Acq: 29 May 2024 15:40



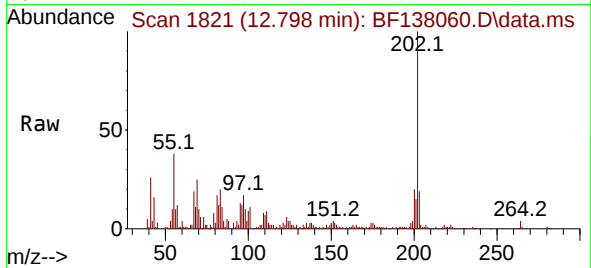
Tgt Ion:178 Resp: 38902
Ion Ratio Lower Upper
178 100
176 17.7 15.2 22.8
179 15.8 12.2 18.4





#75
Fluoranthene
Concen: 3.561 ng
RT: 12.798 min Scan# 1821
Delta R.T. 0.000 min
Lab File: BF138060.D
Acq: 29 May 2024 15:40

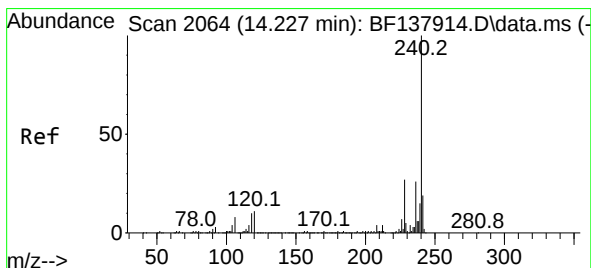
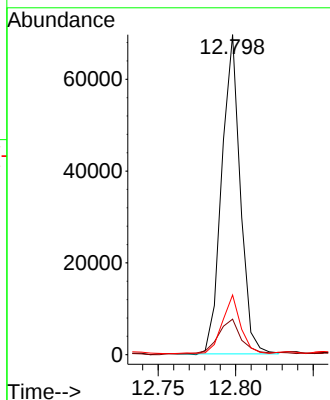
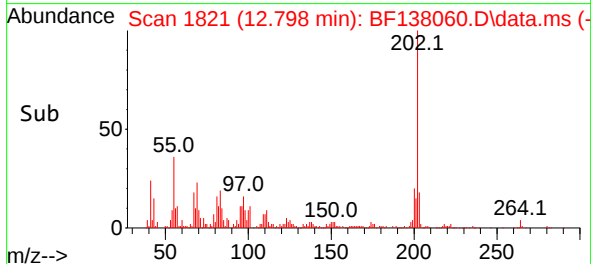
Instrument :
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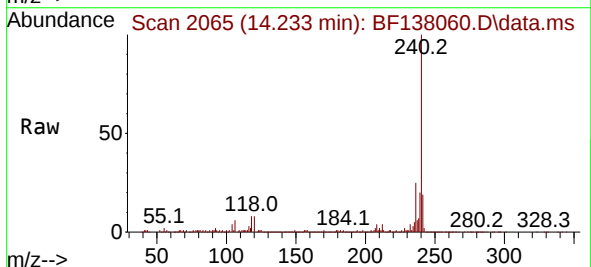
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Ion Ratio Lower Upper
202 100
101 11.1 0.0 30.5
203 18.6 0.0 37.3

Manual Integrations
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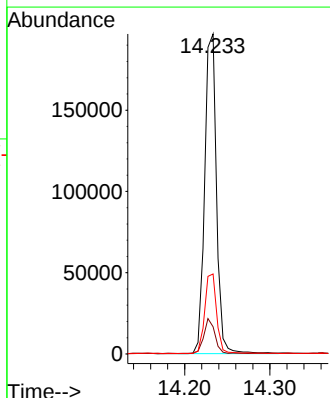
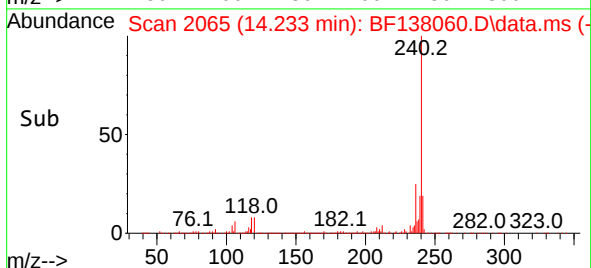
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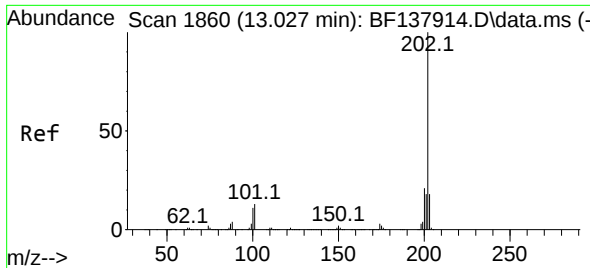


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.233 min Scan# 2065
Delta R.T. 0.006 min
Lab File: BF138060.D
Acq: 29 May 2024 15:40



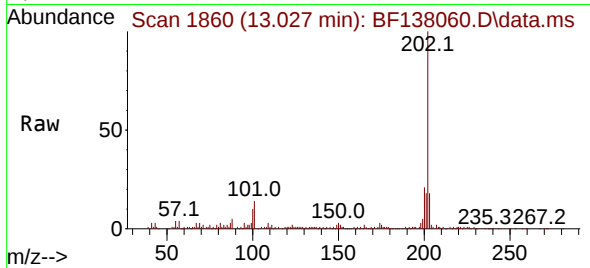
Tgt Ion:240 Resp: 189512
Ion Ratio Lower Upper
240 100
120 8.5 8.9 13.3#
236 25.0 21.0 31.4





#78
Pyrene
Concen: 3.093 ng
RT: 13.027 min Scan# 1860
Delta R.T. 0.000 min
Lab File: BF138060.D
Acq: 29 May 2024 15:40

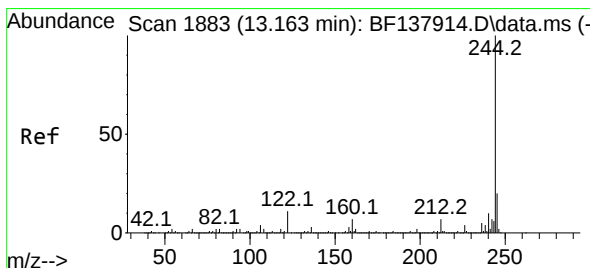
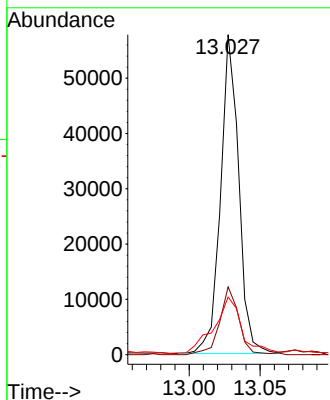
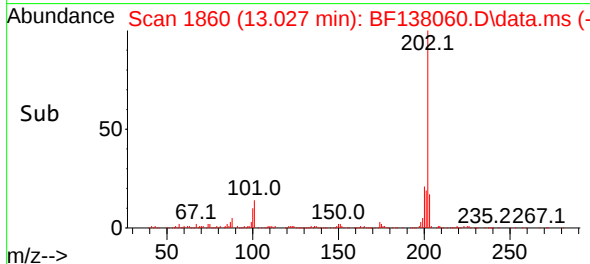
Instrument :
BNA_F
ClientSampleId :
WCS-TPT



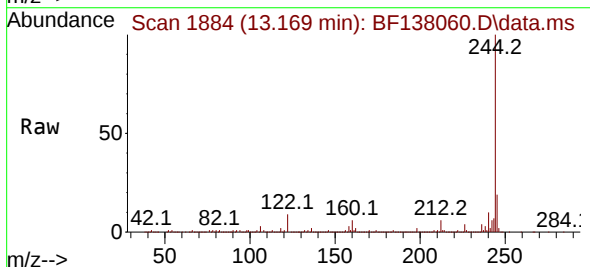
Tgt Ion:202 Resp: 51262
Ion Ratio Lower Upper
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203 18.0 14.1 21.1

Manual Integrations
APPROVED

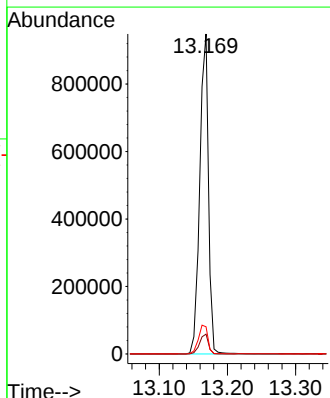
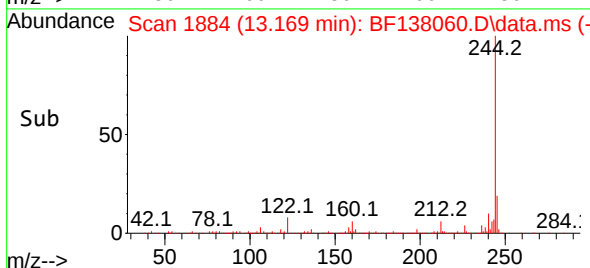
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024

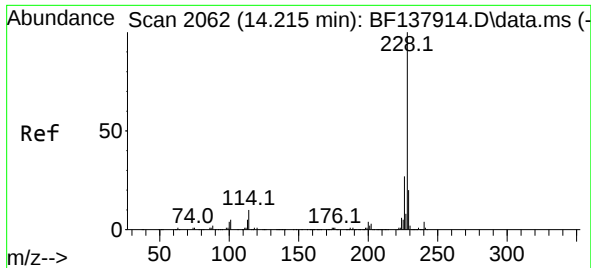


#79
Terphenyl-d14
Concen: 65.200 ng
RT: 13.169 min Scan# 1884
Delta R.T. 0.006 min
Lab File: BF138060.D
Acq: 29 May 2024 15:40



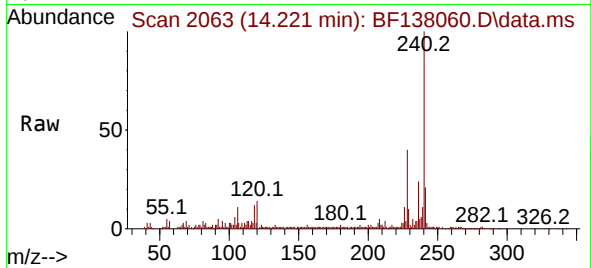
Tgt Ion:244 Resp: 838391
Ion Ratio Lower Upper
244 100
212 6.2 5.6 8.4
122 8.5 8.8 13.2#





#81
Benzo(a)anthracene
Concen: 2.050 ng
RT: 14.221 min Scan# 2062
Delta R.T. 0.006 min
Lab File: BF138060.D
Acq: 29 May 2024 15:40

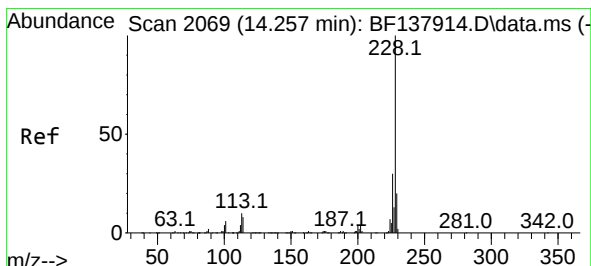
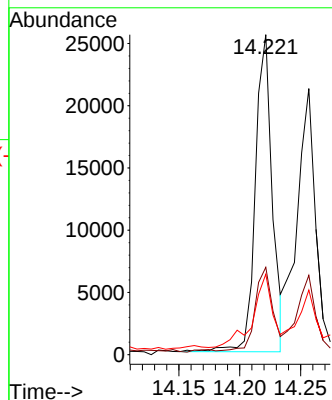
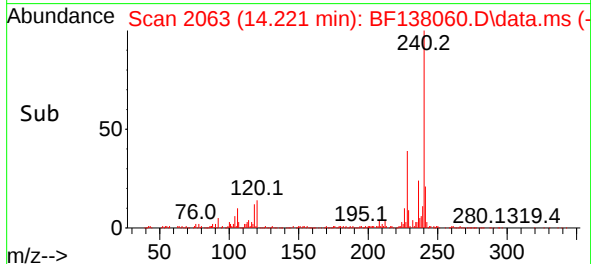
Instrument :
BNA_F
ClientSampleId :
WCS-TPT



Tgt Ion:228 Resp: 2458
Ion Ratio Lower Upper
228 100
226 27.3 21.3 31.9
229 25.2 15.7 23.5

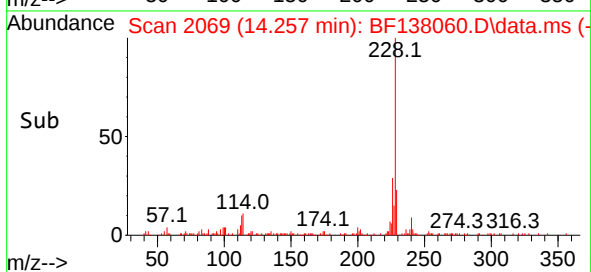
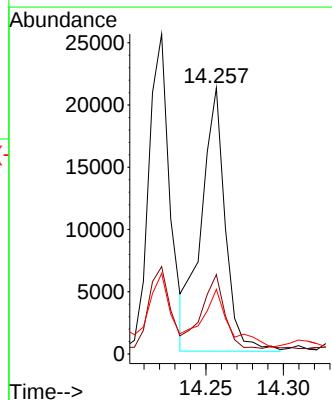
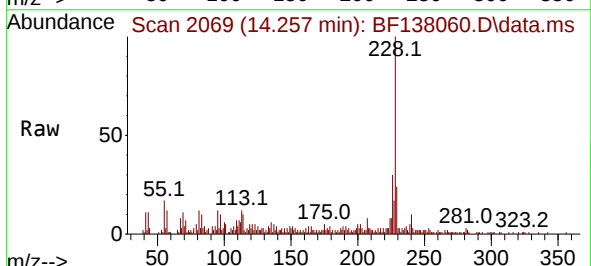
Manual Integrations
APPROVED

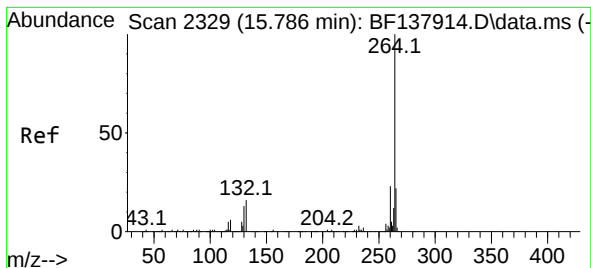
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024



#83
Chrysene
Concen: 2.004 ng
RT: 14.257 min Scan# 2069
Delta R.T. 0.000 min
Lab File: BF138060.D
Acq: 29 May 2024 15:40

Tgt Ion:228 Resp: 22978
Ion Ratio Lower Upper
228 100
226 29.8 23.8 35.8
229 24.3 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.804 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF138060.D

Acq: 29 May 2024 15:40

Instrument :

BNA_F

ClientSampleId :

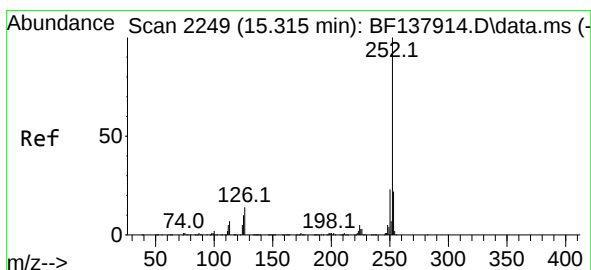
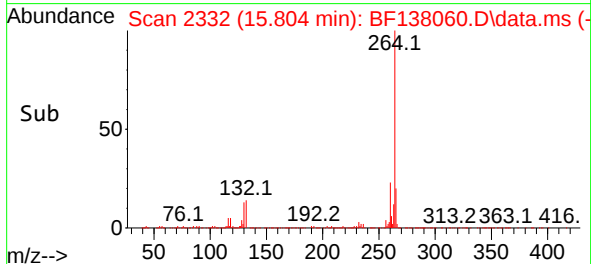
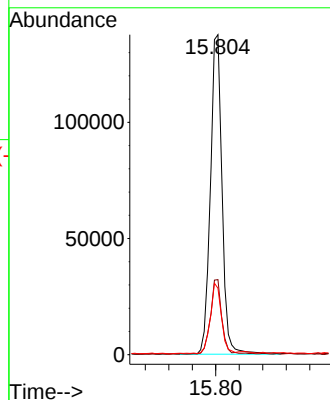
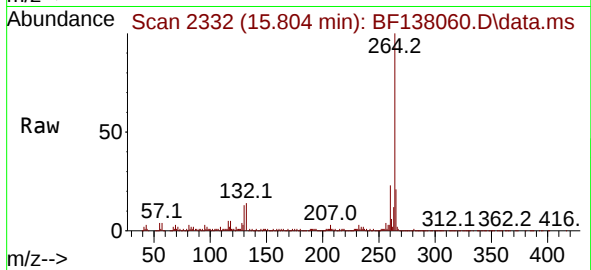
WCS-TPT

Tgt Ion:	264	Resp:	189150
Ion Ratio	Lower	Upper	
264	100		
260	23.5	18.3	27.5
265	20.8	17.6	26.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024



#88

Benzo(b)fluoranthene

Concen: 2.533 ng m

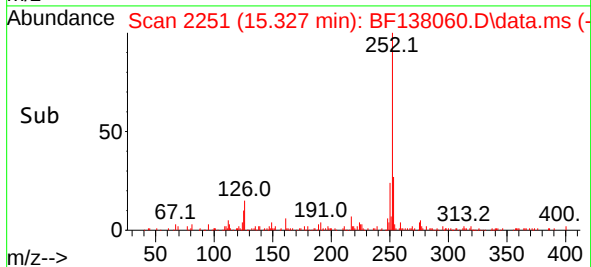
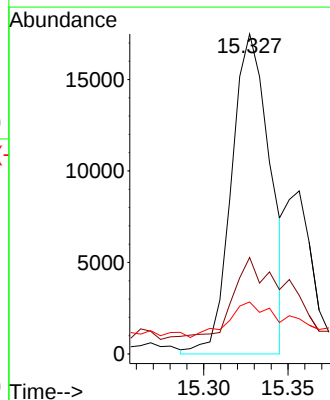
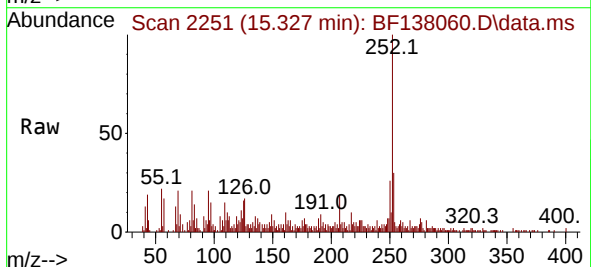
RT: 15.327 min Scan# 2251

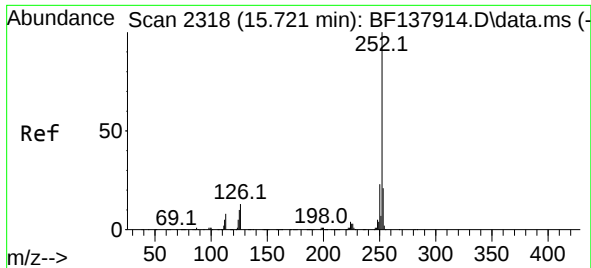
Delta R.T. 0.012 min

Lab File: BF138060.D

Acq: 29 May 2024 15:40

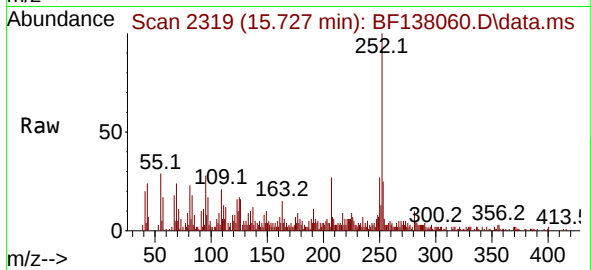
Tgt Ion:	252	Resp:	27737
Ion Ratio	Lower	Upper	
252	100		
253	30.2	17.6	26.4#
125	16.3	8.2	12.4#





#90
Benzo(a)pyrene
Concen: 2.108 ng
RT: 15.727 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF138060.D
Acq: 29 May 2024 15:40

Instrument :
BNA_F
ClientSampleId :
WCS-TPT



Tgt Ion:	252	Resp:	19714
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.0	25.6
125	16.8	7.8	11.8

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024

