

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052924\
 Data File : BF138063.D
 Acq On : 29 May 2024 17:08
 Operator : CG\JU
 Sample : P2560-10 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 INT-PE2

Manual Integrations
 APPROVED

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

Quant Time: May 29 17:32:39 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	62031	20.000	ng	-0.01
21) Naphthalene-d8	8.316	136	230588	20.000	ng	-0.01
39) Acenaphthene-d10	10.092	164	109892	20.000	ng	0.00
64) Phenanthrene-d10	11.604	188	145410	20.000	ng	# 0.02
76) Chrysene-d12	14.239	240	146240	20.000	ng	0.01
86) Perylene-d12	15.804	264	126056	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.651	112	47682	13.057	ng	-0.01
7) Phenol-d6	6.646	99	61061	13.574	ng	-0.01
23) Nitrobenzene-d5	7.593	82	38127	9.731	ng	-0.02
42) 2,4,6-Tribromophenol	10.886	330	16285	14.697	ng	0.00
45) 2-Fluorobiphenyl	9.392	172	88219	12.366	ng	0.00
79) Terphenyl-d14	13.186	244	81128	8.176	ng	0.02
Target Compounds						Qvalue
71) Phenanthrene	11.633	178	67140	9.370	ng	# 60
75) Fluoranthene	12.833	202	187094	25.723	ng	93
78) Pyrene	13.063	202	180113	14.081	ng	96
81) Benzo(a)anthracene	14.227	228	118215	12.777	ng	98
83) Chrysene	14.263	228	105517	11.925	ng	97
87) Indeno(1,2,3-cd)pyrene	17.427	276	29016	3.583	ng	97
88) Benzo(b)fluoranthene	15.327	252	111147m	15.228	ng	
89) Benzo(k)fluoranthene	15.357	252	45473m	6.342	ng	
90) Benzo(a)pyrene	15.733	252	70794	11.359	ng	96
92) Benzo(g,h,i)perylene	17.927	276	27338	3.889	ng	97

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

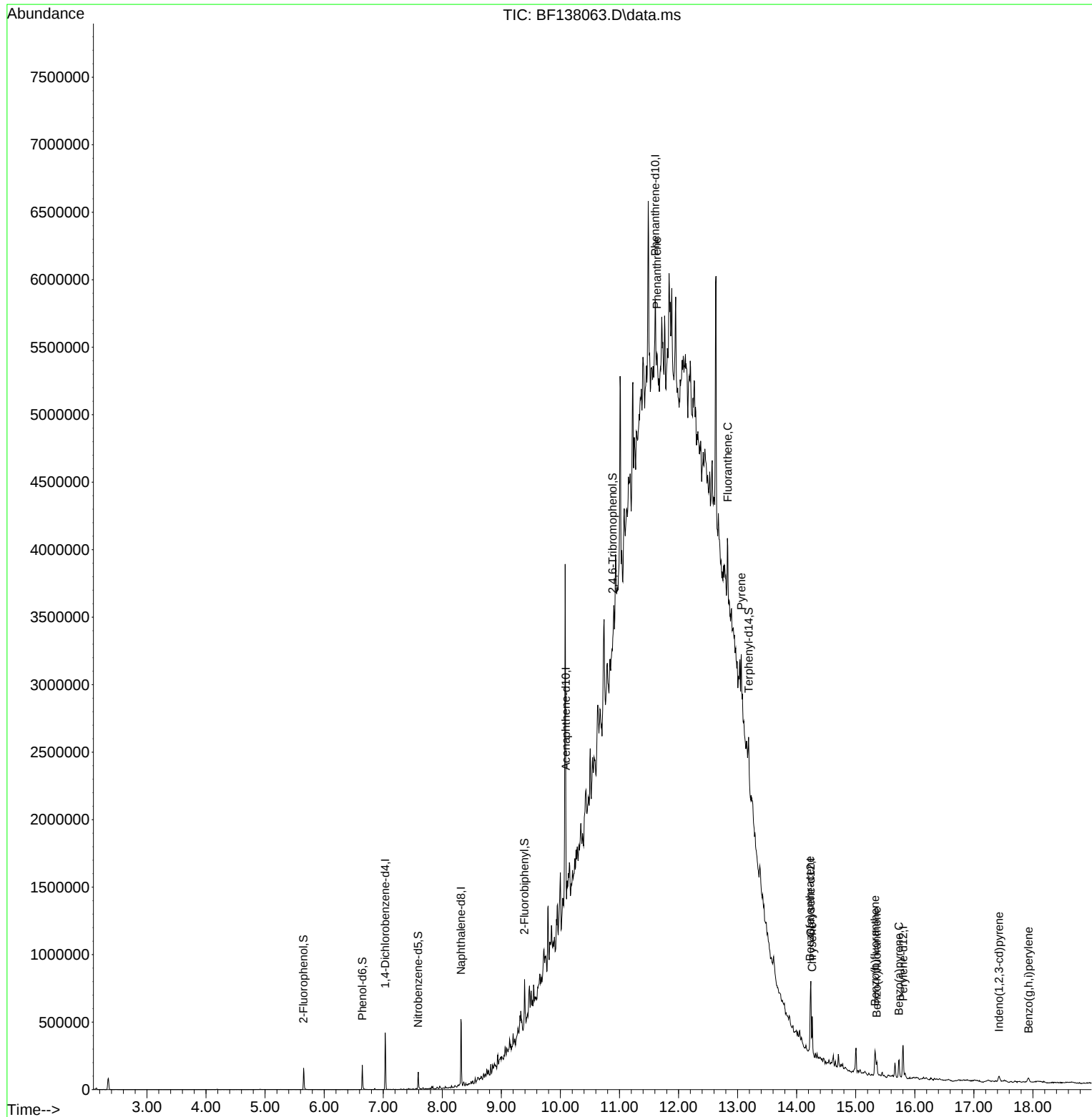
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052924\
Data File : BF138063.D
Acq On : 29 May 2024 17:08
Operator : CG\JU
Sample : P2560-10 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

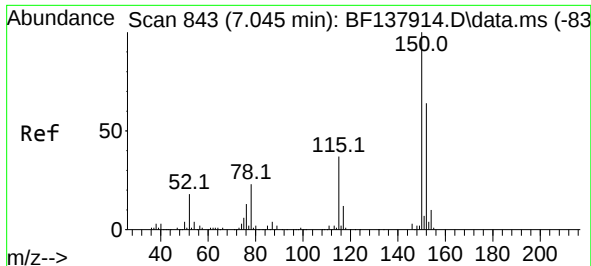
Instrument :
BNA_F
ClientSampleId :
INT-PE2

Quant Time: May 29 17:32:39 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
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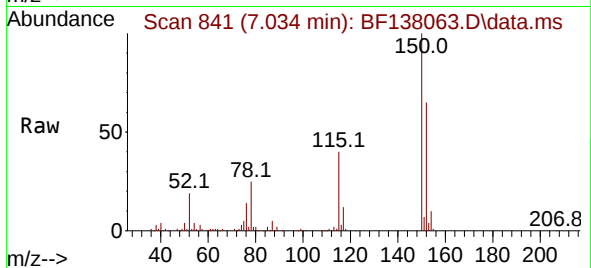
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.034 min Scan# 843
Delta R.T. -0.011 min
Lab File: BF138063.D
Acq: 29 May 2024 17:08

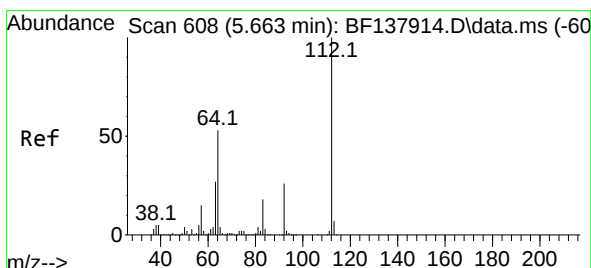
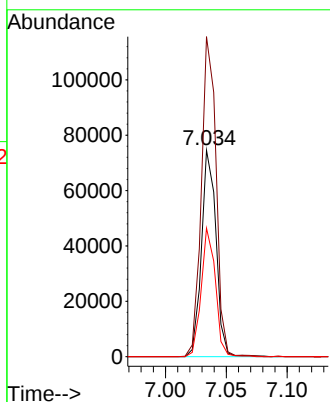
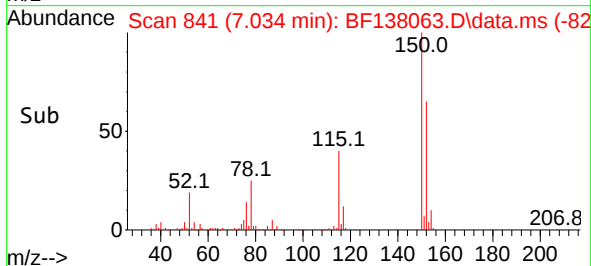
Instrument :
BNA_F
ClientSampleId :
INT-PE2



Tgt Ion:152 Resp: 62031
Ion Ratio Lower Upper
152 100
150 155.0 125.7 188.5
115 62.2 47.0 70.6

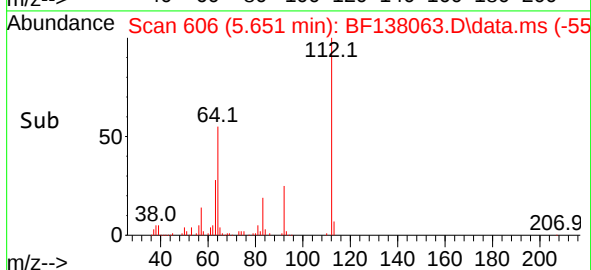
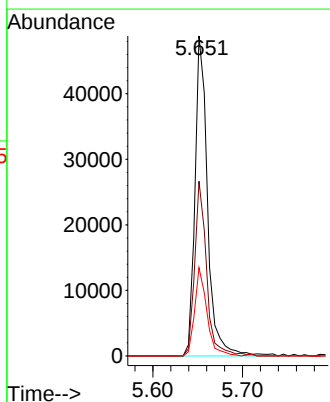
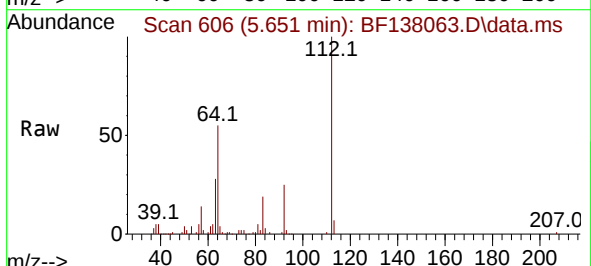
Manual Integrations
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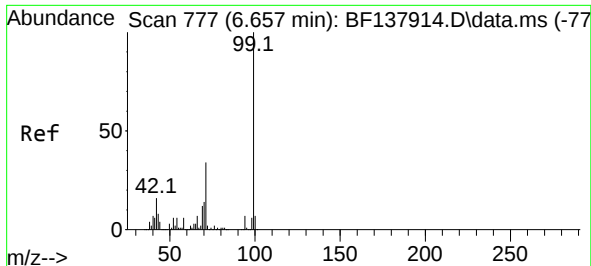
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024



#5
2-Fluorophenol
Concen: 13.057 ng
RT: 5.651 min Scan# 606
Delta R.T. -0.012 min
Lab File: BF138063.D
Acq: 29 May 2024 17:08

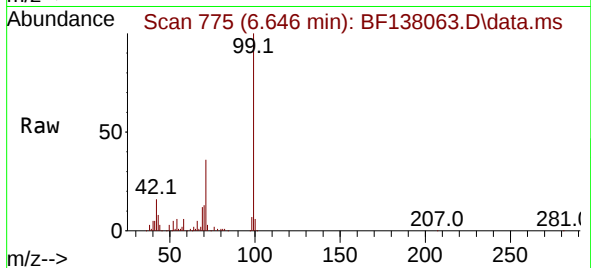
Tgt Ion:112 Resp: 47682
Ion Ratio Lower Upper
112 100
64 54.6 42.4 63.6
63 27.6 21.4 32.2





#7
Phenol-d6
Concen: 13.574 ng
RT: 6.646 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF138063.D
Acq: 29 May 2024 17:08

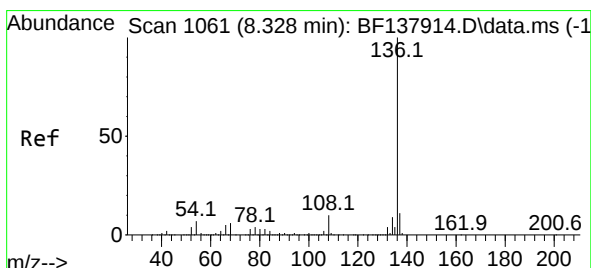
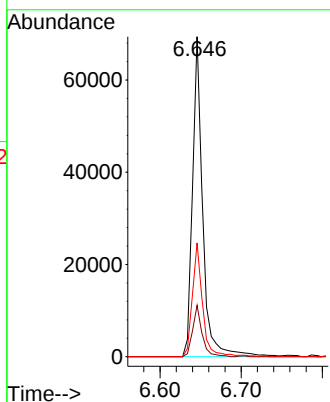
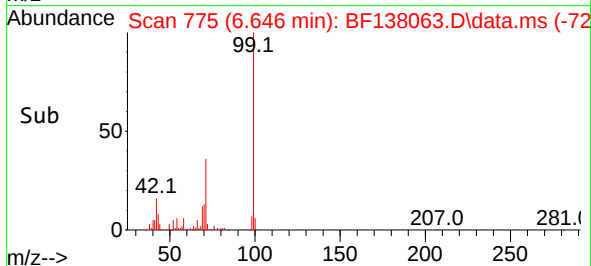
Instrument :
BNA_F
ClientSampleId :
INT-PE2



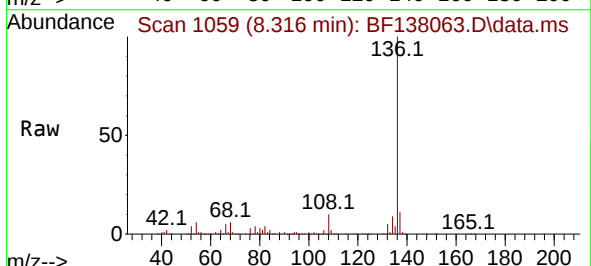
Tgt Ion: 99 Resp: 6106
Ion Ratio Lower Upper
99 100
42 16.1 12.6 18.8
71 35.6 27.1 40.7

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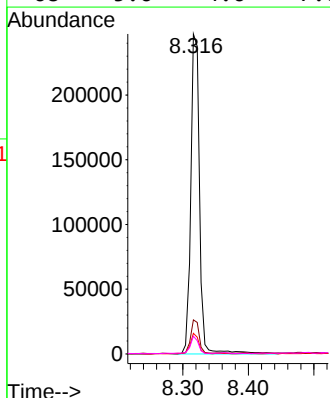
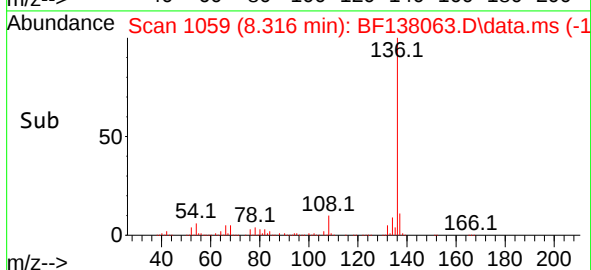
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024

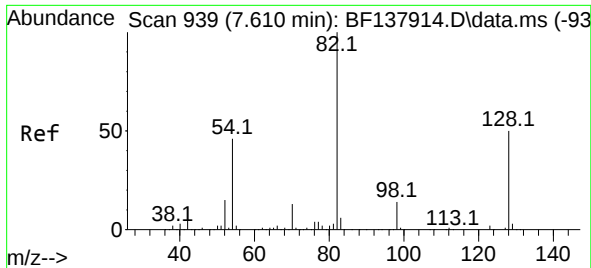


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF138063.D
Acq: 29 May 2024 17:08



Tgt Ion:136 Resp: 230588
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 6.4 5.4 8.2
68 5.6 4.6 7.0





#23
Nitrobenzene-d5
Concen: 9.731 ng
RT: 7.593 min Scan# 91
Delta R.T. -0.017 min
Lab File: BF138063.D
Acq: 29 May 2024 17:08

Instrument :

BNA_F

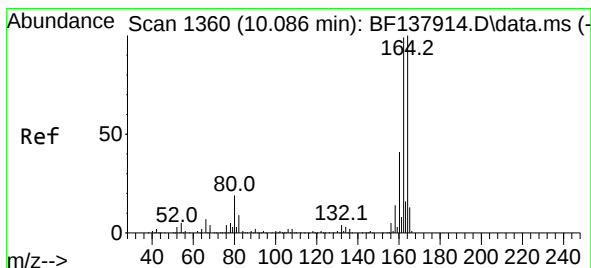
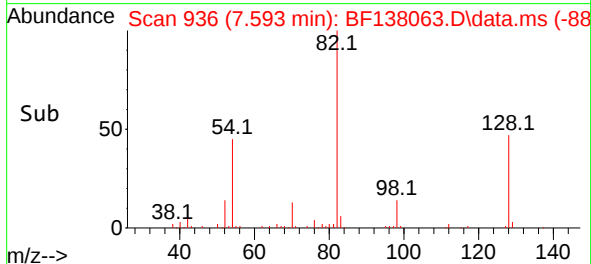
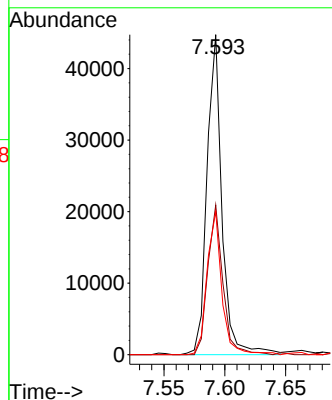
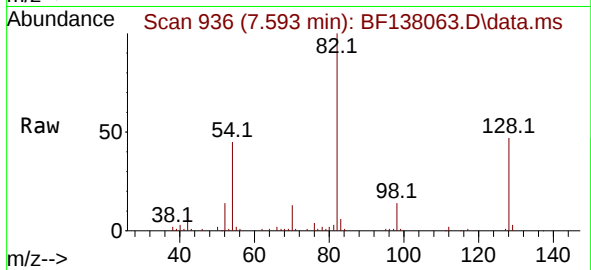
ClientSampleId :

INT-PE2

Tgt Ion: 82 Resp: 3812
Ion Ratio Lower Upper
82 100
128 46.8 40.3 60.5
54 44.8 36.8 55.2

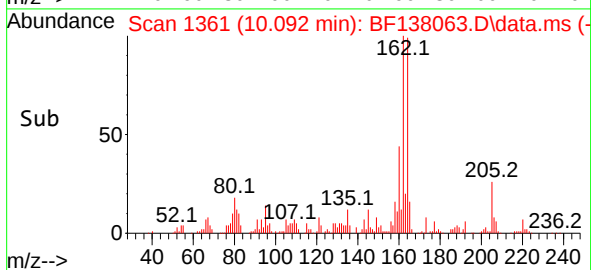
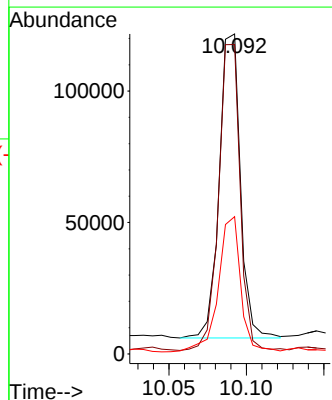
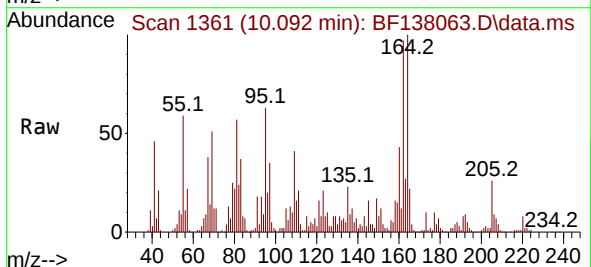
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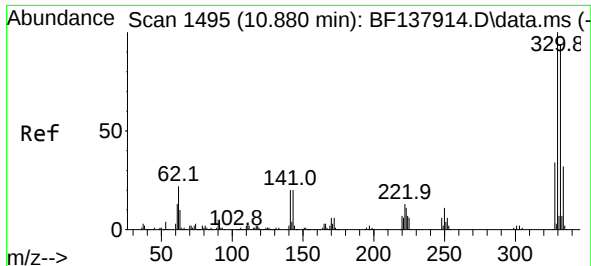
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.092 min Scan# 1361
Delta R.T. 0.006 min
Lab File: BF138063.D
Acq: 29 May 2024 17:08

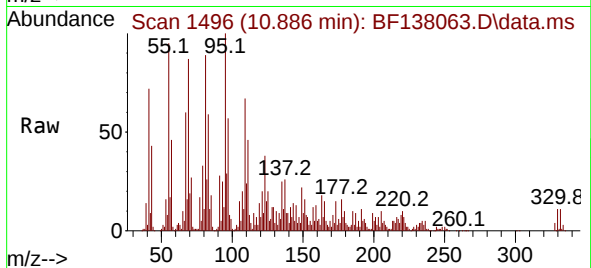
Tgt Ion:164 Resp: 109892
Ion Ratio Lower Upper
164 100
162 96.7 79.4 119.2
160 42.9 33.1 49.7





#42
2,4,6-Tribromophenol
Concen: 14.697 ng
RT: 10.886 min Scan# 1495
Delta R.T. 0.006 min
Lab File: BF138063.D
Acq: 29 May 2024 17:08

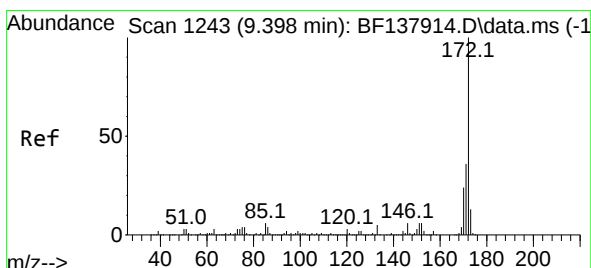
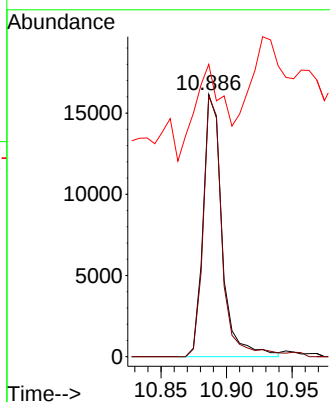
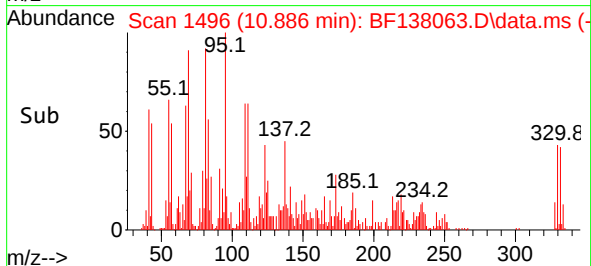
Instrument :
BNA_F
ClientSampleId :
INT-PE2



Tgt Ion: 330 Resp: 1628
Ion Ratio Lower Upper
330 100
332 98.9 75.8 113.8
141 54.3 23.8 35.6

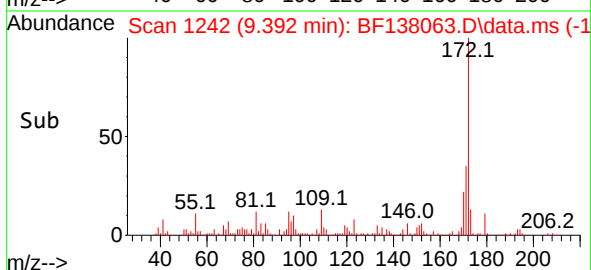
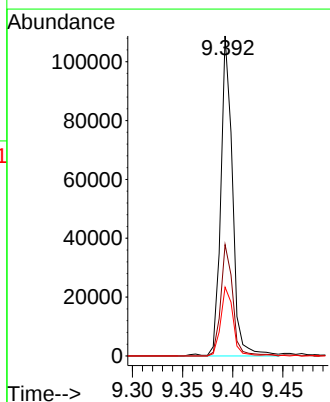
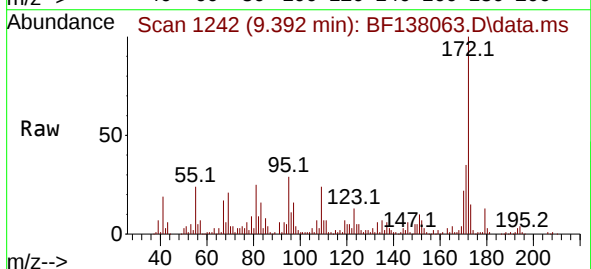
Manual Integrations
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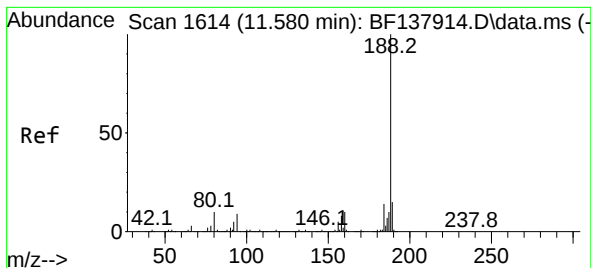
Reviewed By : Jagrut Upadhyay 05/30/2024
Supervised By : mohammad ahmed 05/31/2024



#45
2-Fluorobiphenyl
Concen: 12.366 ng
RT: 9.392 min Scan# 1242
Delta R.T. -0.006 min
Lab File: BF138063.D
Acq: 29 May 2024 17:08

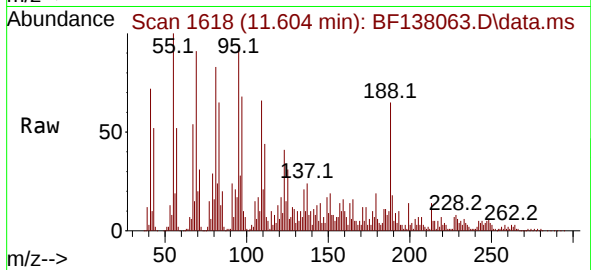
Tgt Ion: 172 Resp: 88219
Ion Ratio Lower Upper
172 100
171 34.8 28.9 43.3
170 21.5 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.604 min Scan# 1618
Delta R.T. 0.024 min
Lab File: BF138063.D
Acq: 29 May 2024 17:08

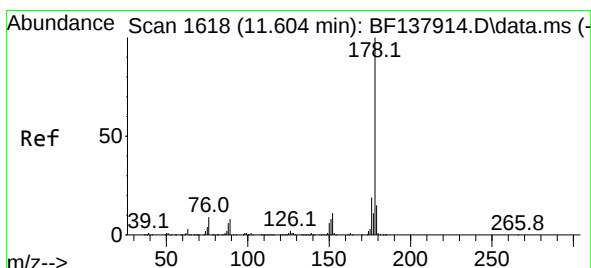
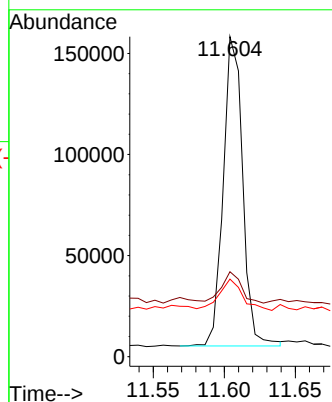
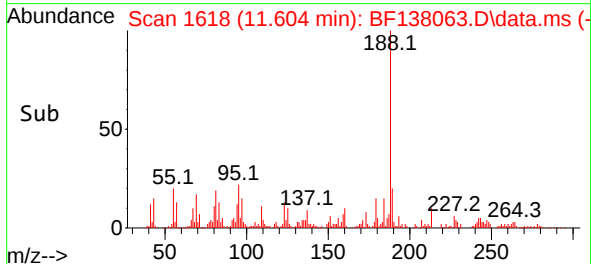
Instrument :
BNA_F
ClientSampleId :
INT-PE2



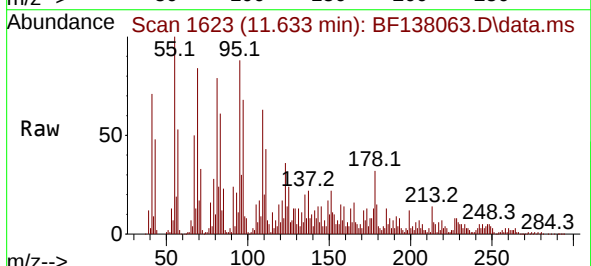
Tgt Ion:188 Resp: 145410
Ion Ratio Lower Upper
188 100
94 26.6 7.0 10.4#
80 24.3 7.7 11.5#

Manual Integrations
APPROVED

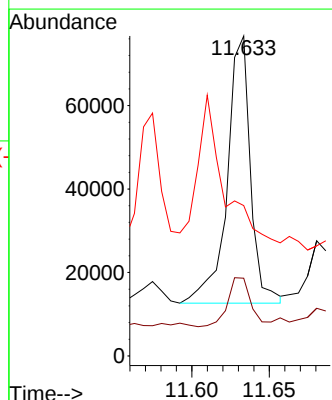
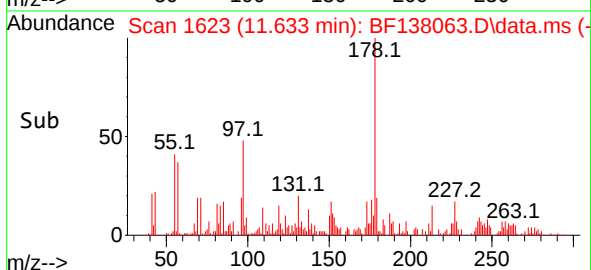
Reviewed By :Jagrut Upadhyay 05/30/2024
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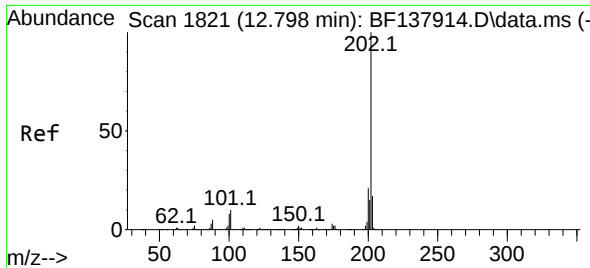


#71
Phenanthrene
Concen: 9.370 ng
RT: 11.633 min Scan# 1623
Delta R.T. 0.030 min
Lab File: BF138063.D
Acq: 29 May 2024 17:08



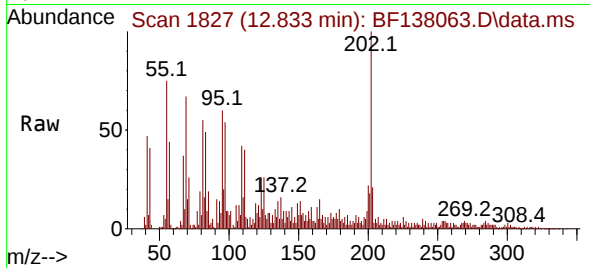
Tgt Ion:178 Resp: 67140
Ion Ratio Lower Upper
178 100
176 24.3 15.2 22.8#
179 47.0 12.2 18.4#





#75
Fluoranthene
Concen: 25.723 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.035 min
Lab File: BF138063.D
Acq: 29 May 2024 17:08

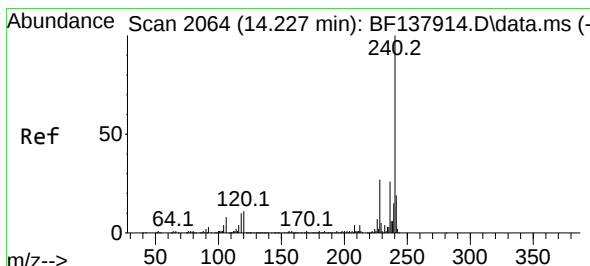
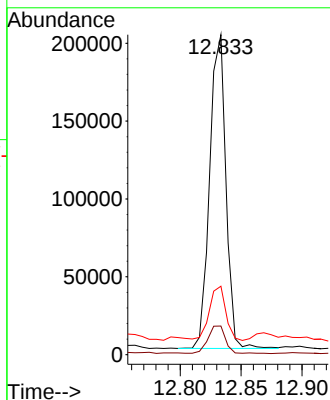
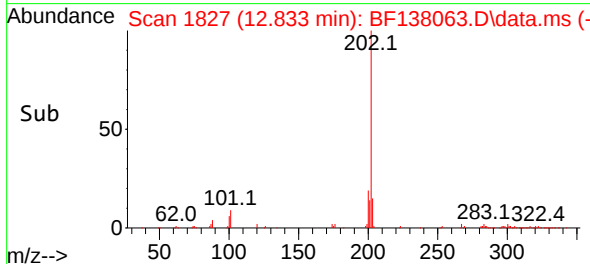
Instrument :
BNA_F
ClientSampleId :
INT-PE2



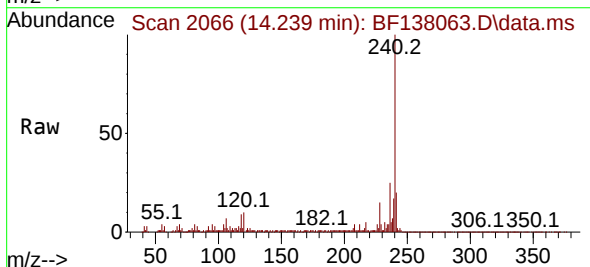
Tgt Ion:202 Resp: 187094
Ion Ratio Lower Upper
202 100
101 8.9 0.0 30.5
203 21.4 0.0 37.3

Manual Integrations
APPROVED

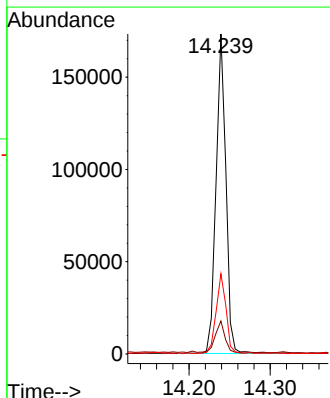
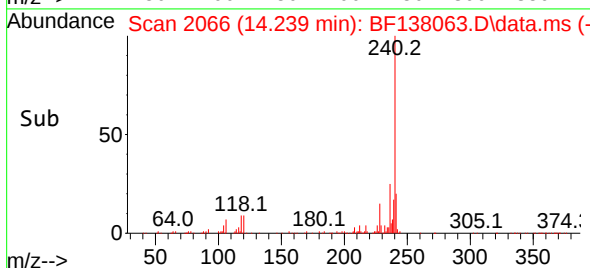
Reviewed By :Jagrut Upadhyay 05/30/2024
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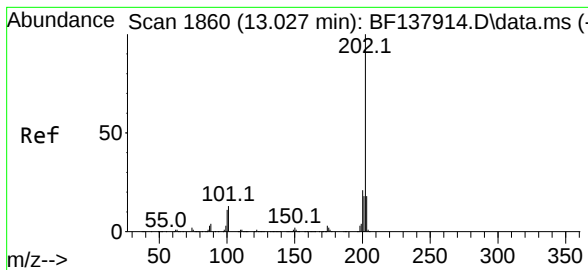


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.239 min Scan# 2066
Delta R.T. 0.012 min
Lab File: BF138063.D
Acq: 29 May 2024 17:08



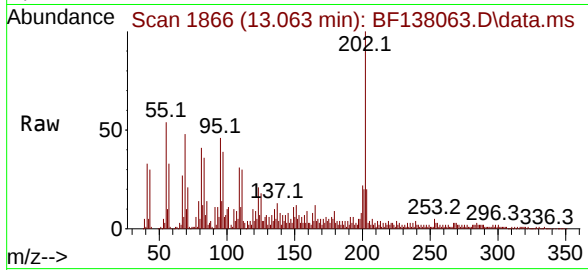
Tgt Ion:240 Resp: 146240
Ion Ratio Lower Upper
240 100
120 10.3 8.9 13.3
236 25.1 21.0 31.4





#78
Pyrene
Concen: 14.081 ng
RT: 13.063 min Scan# 1866
Delta R.T. 0.035 min
Lab File: BF138063.D
Acq: 29 May 2024 17:08

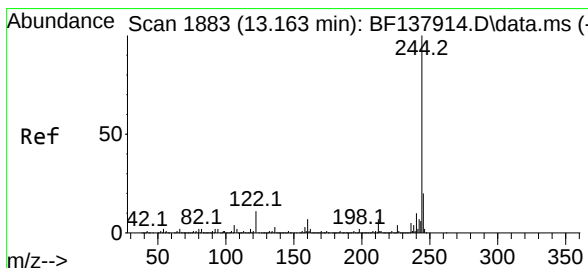
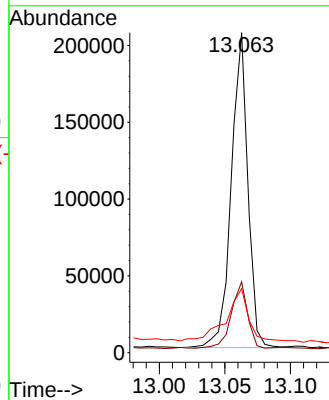
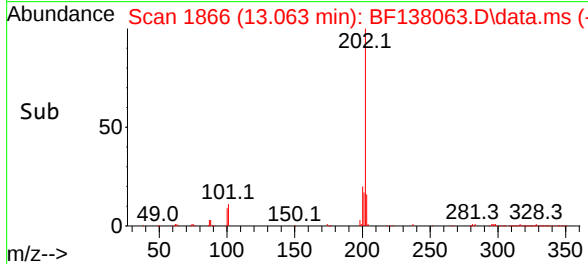
Instrument :
BNA_F
ClientSampleId :
INT-PE2



Tgt Ion:202 Resp: 18011
Ion Ratio Lower Upper
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200 22.2 17.0 25.4
203 20.0 14.1 21.1

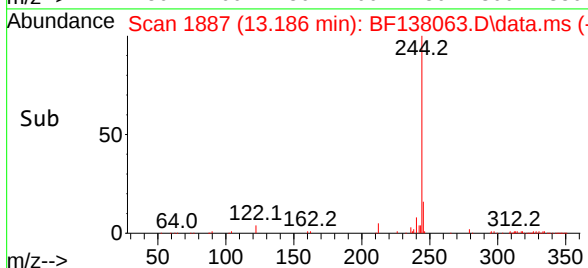
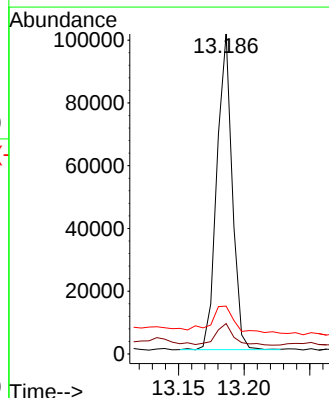
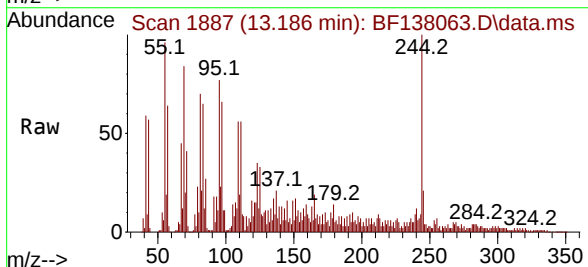
Manual Integrations
APPROVED

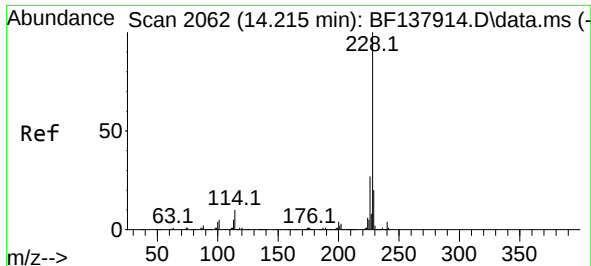
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024



#79
Terphenyl-d14
Concen: 8.176 ng
RT: 13.186 min Scan# 1887
Delta R.T. 0.024 min
Lab File: BF138063.D
Acq: 29 May 2024 17:08

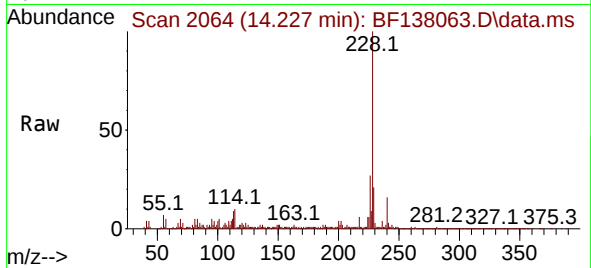
Tgt Ion:244 Resp: 81128
Ion Ratio Lower Upper
244 100
212 9.5 5.6 8.4#
122 15.0 8.8 13.2#





#81
Benzo(a)anthracene
Concen: 12.777 ng
RT: 14.227 min Scan# 2064
Delta R.T. 0.012 min
Lab File: BF138063.D
Acq: 29 May 2024 17:08

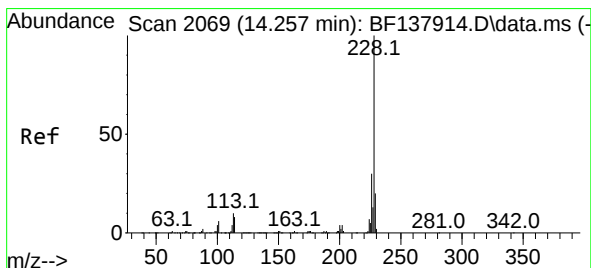
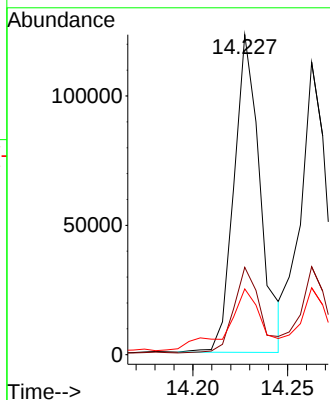
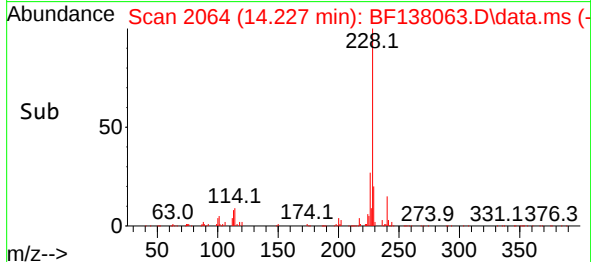
Instrument :
BNA_F
ClientSampleId :
INT-PE2



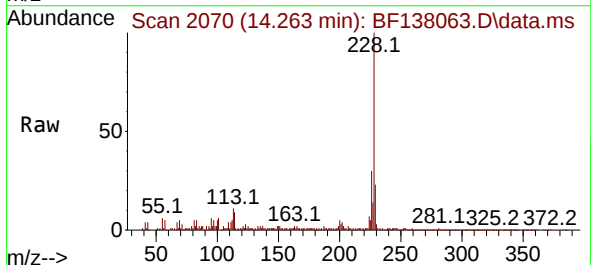
Tgt Ion:228 Resp: 118215
Ion Ratio Lower Upper
228 100
226 27.3 21.3 31.9
229 20.6 15.7 23.5

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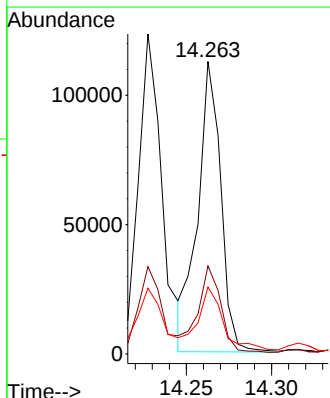
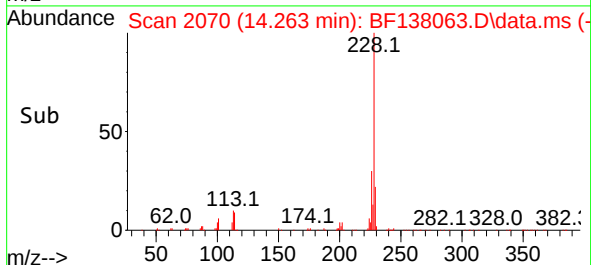
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024

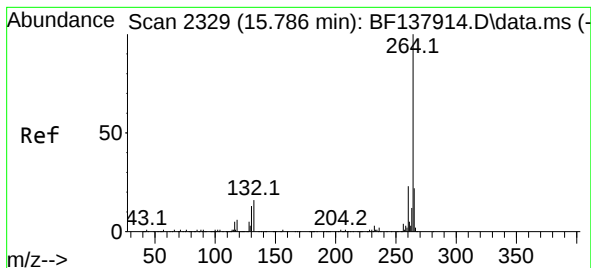


#83
Chrysene
Concen: 11.925 ng
RT: 14.263 min Scan# 2070
Delta R.T. 0.006 min
Lab File: BF138063.D
Acq: 29 May 2024 17:08



Tgt Ion:228 Resp: 105517
Ion Ratio Lower Upper
228 100
226 30.1 23.8 35.8
229 22.9 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: BF138063.D

Acq: 29 May 2024 17:08

Instrument :

BNA_F

ClientSampleId :

INT-PE2

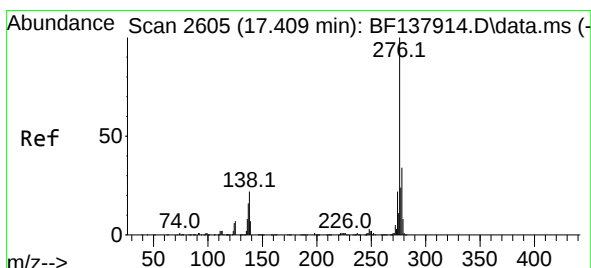
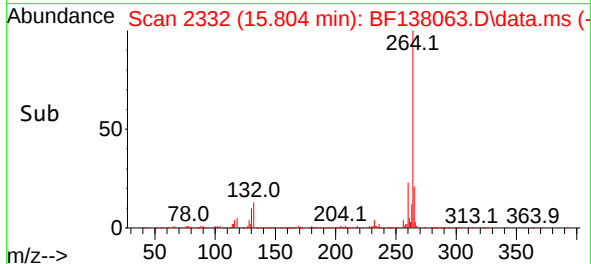
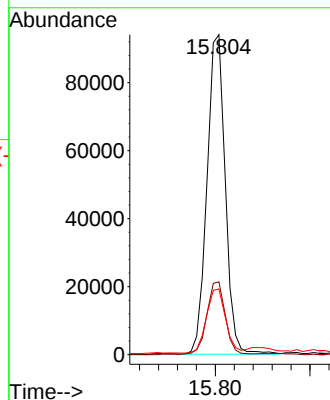
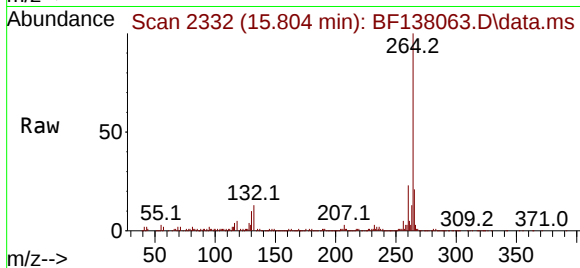
Tgt Ion:264 Resp: 126050

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.3	27.5
265	20.5	17.6	26.4

Manual Integrations

APPROVED

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



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.583 ng

RT: 17.427 min Scan# 2608

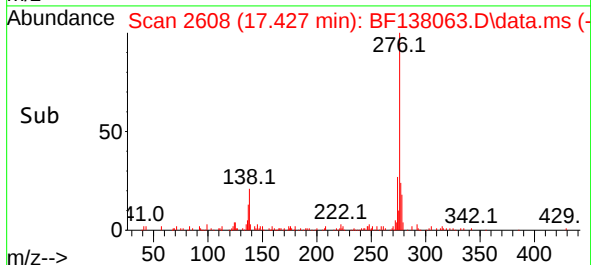
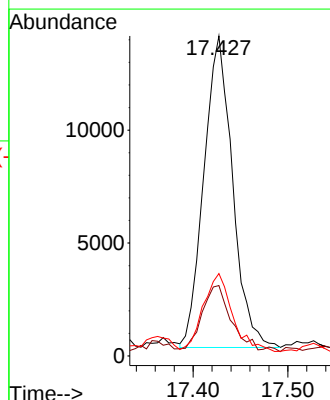
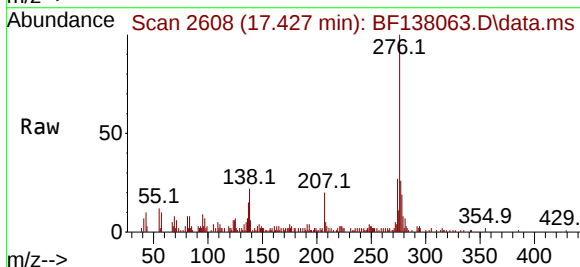
Delta R.T. 0.018 min

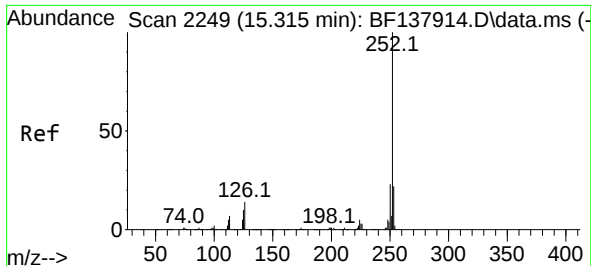
Lab File: BF138063.D

Acq: 29 May 2024 17:08

Tgt Ion:276 Resp: 29016

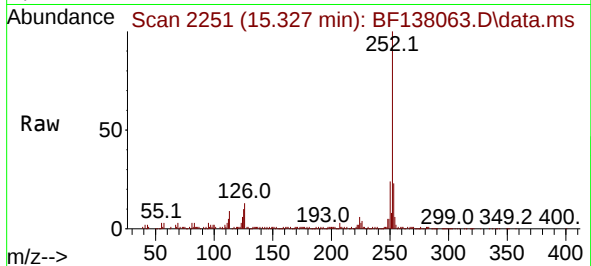
Ion	Ratio	Lower	Upper
276	100		
138	22.7	20.6	30.8
277	25.2	20.2	30.2





#88
Benzo(b)fluoranthene
Concen: 15.228 ng m
RT: 15.327 min Scan# 21114
Delta R.T. 0.012 min
Lab File: BF138063.D
Acq: 29 May 2024 17:08

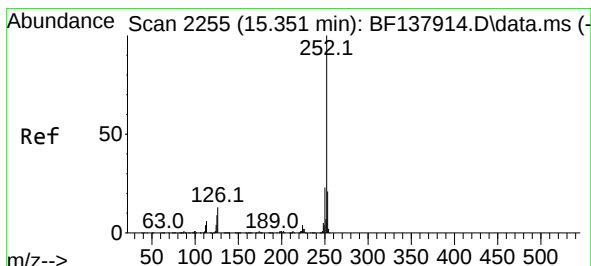
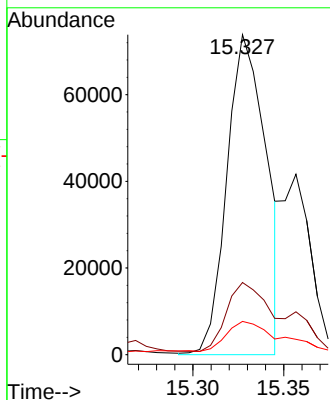
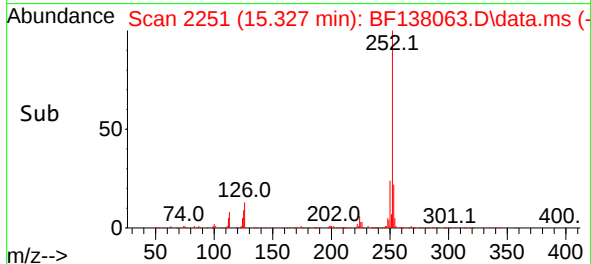
Instrument :
BNA_F
ClientSampleId :
INT-PE2



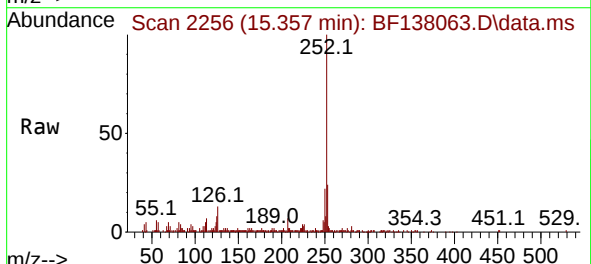
Tgt Ion:252 Resp: 11114
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 10.4 8.2 12.4

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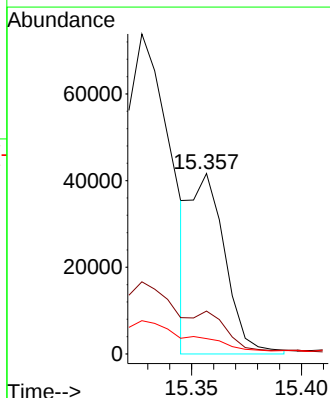
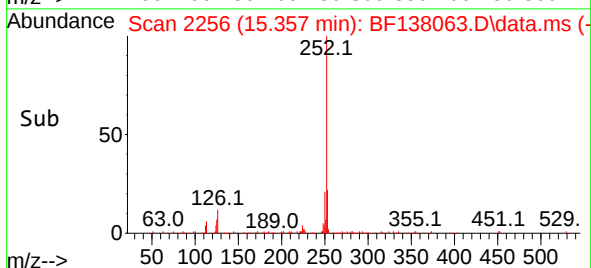
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024

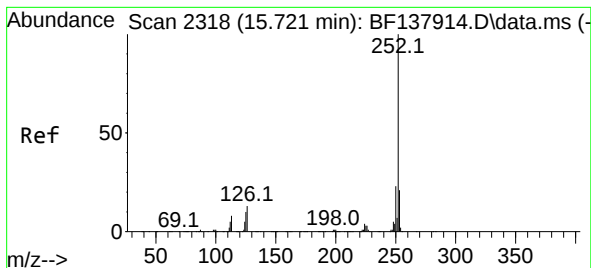


#89
Benzo(k)fluoranthene
Concen: 6.342 ng m
RT: 15.357 min Scan# 2256
Delta R.T. 0.006 min
Lab File: BF138063.D
Acq: 29 May 2024 17:08



Tgt Ion:252 Resp: 45473
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.0
125 8.5 7.7 11.5





#90

Benzo(a)pyrene

Concen: 11.359 ng

RT: 15.733 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF138063.D

Acq: 29 May 2024 17:08

Instrument :

BNA_F

ClientSampleId :

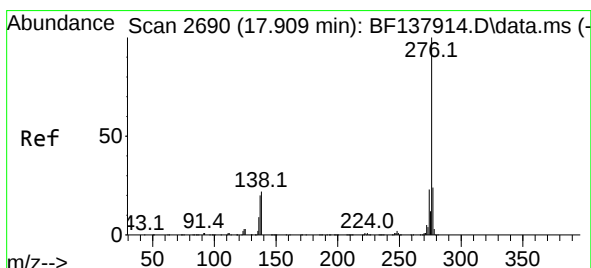
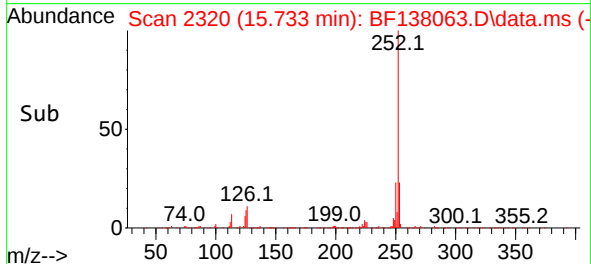
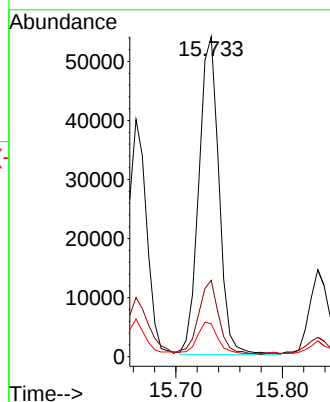
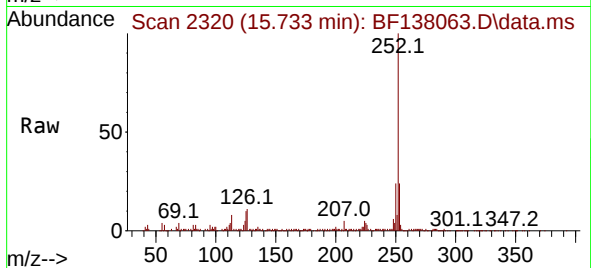
INT-PE2

Tgt Ion:252 Resp: 70794
 Ion Ratio Lower Upper
 252 100
 253 23.9 17.0 25.6
 125 10.2 7.8 11.8

Manual Integrations

APPROVED

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



#92

Benzo(g,h,i)perylene

Concen: 3.889 ng

RT: 17.927 min Scan# 2693

Delta R.T. 0.018 min

Lab File: BF138063.D

Acq: 29 May 2024 17:08

Tgt Ion:276 Resp: 27338
 Ion Ratio Lower Upper
 276 100
 277 25.5 18.9 28.3
 138 23.2 17.6 26.4

