

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052824\
 Data File : BF138052.D
 Acq On : 28 May 2024 17:37
 Operator : CG\JU
 Sample : P2613-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-052424

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024
 Supervised By :mohammad ahmed 05/30/2024

Quant Time: May 29 02:41:17 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	120903	20.000	ng	-0.01
21) Naphthalene-d8	8.316	136	413041	20.000	ng	-0.01
39) Acenaphthene-d10	10.080	164	177161	20.000	ng	0.00
64) Phenanthrene-d10	11.580	188	276077	20.000	ng	0.00
76) Chrysene-d12	14.233	240	237933	20.000	ng	0.00
86) Perylene-d12	15.804	264	181163	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.651	112	67391	9.468	ng	-0.01
7) Phenol-d6	6.645	99	114784	13.092	ng	-0.01
23) Nitrobenzene-d5	7.592	82	68250	9.724	ng	-0.02
42) 2,4,6-Tribromophenol	10.874	330	4904	2.745	ng	0.00
45) 2-Fluorobiphenyl	9.392	172	141998	12.347	ng	0.00
79) Terphenyl-d14	13.168	244	151739	9.399	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.604	178	174700	12.841	ng	99
72) Anthracene	11.651	178	56748	4.204	ng	100
75) Fluoranthene	12.804	202	452920	32.799	ng	99
78) Pyrene	13.033	202	456337	21.928	ng	100
81) Benzo(a)anthracene	14.221	228	235688	15.657	ng	97
83) Chrysene	14.257	228	195060	13.549	ng	97
87) Indeno(1,2,3-cd)pyrene	17.427	276	102247	8.785	ng	96
88) Benzo(b)fluoranthene	15.327	252	254619m	24.274	ng	
89) Benzo(k)fluoranthene	15.357	252	70289m	6.821	ng	
90) Benzo(a)pyrene	15.733	252	171342	19.129	ng	# 96
91) Dibenzo(a,h)anthracene	17.445	278	23760	2.471	ng	# 78
92) Benzo(g,h,i)perylene	17.933	276	104627	10.357	ng	98

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

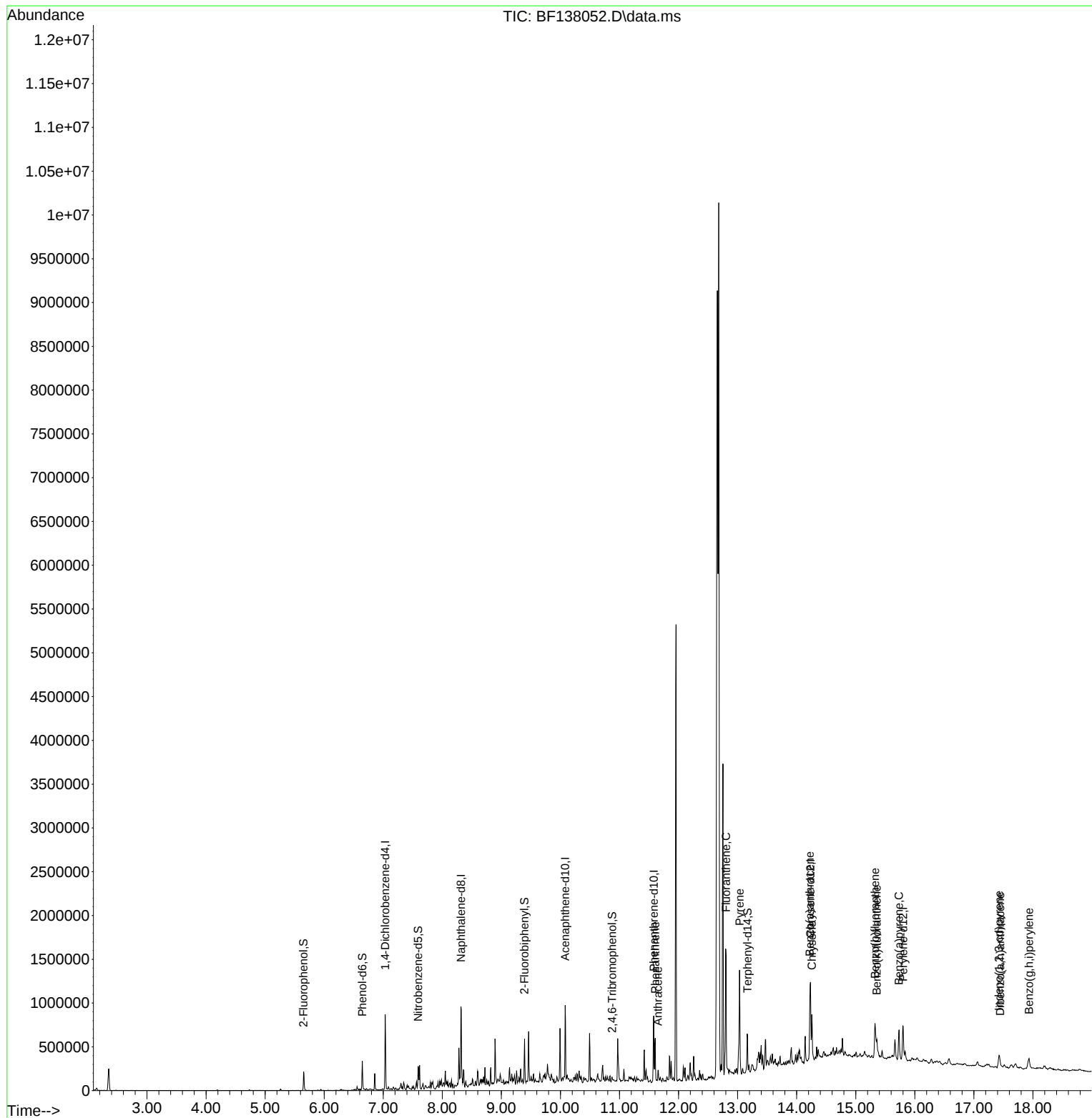
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052824\
Data File : BF138052.D
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ALS Vial : 16 Sample Multiplier: 1

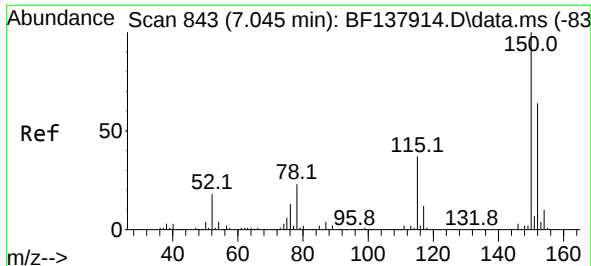
Instrument :
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TR-06-052424

Quant Time: May 29 02:41:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
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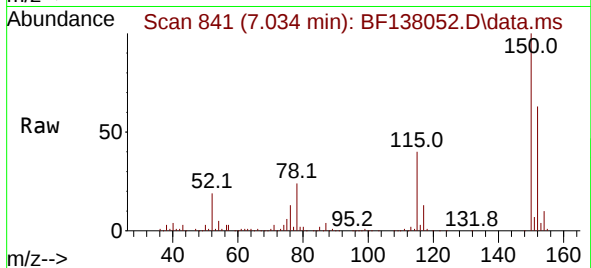
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.034 min Scan# 841
Delta R.T. -0.011 min
Lab File: BF138052.D
Acq: 28 May 2024 17:37

Instrument :

BNA_F

ClientSampleId :

TR-06-052424

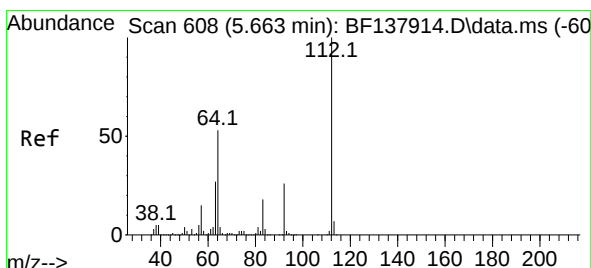
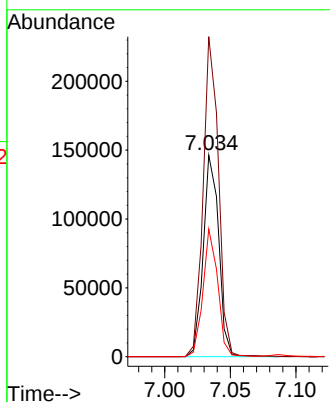
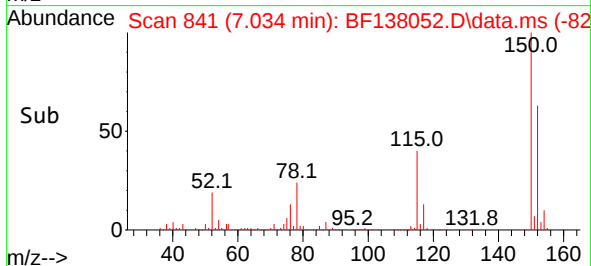


Tgt Ion:152 Resp: 12090
Ion Ratio Lower Upper
152 100
150 158.8 125.7 188.5
115 63.4 47.0 70.6

Manual Integrations

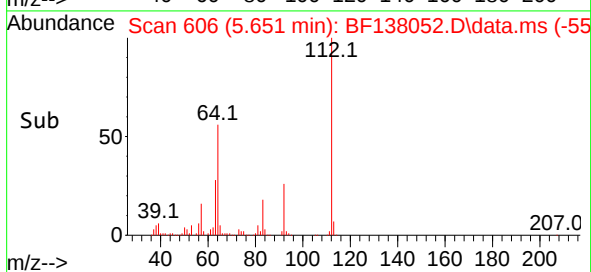
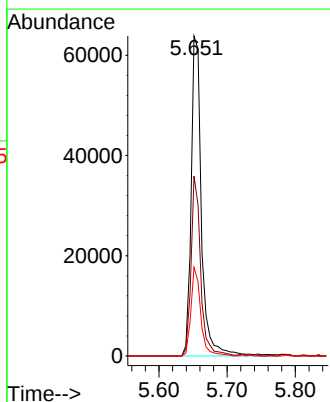
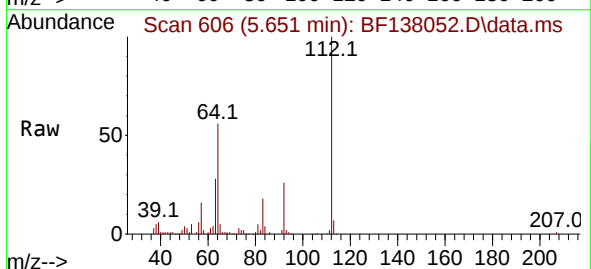
APPROVED

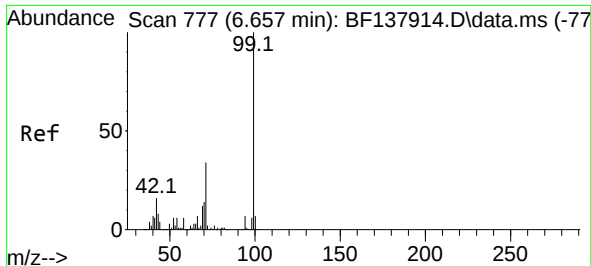
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#5
2-Fluorophenol
Concen: 9.468 ng
RT: 5.651 min Scan# 606
Delta R.T. -0.012 min
Lab File: BF138052.D
Acq: 28 May 2024 17:37

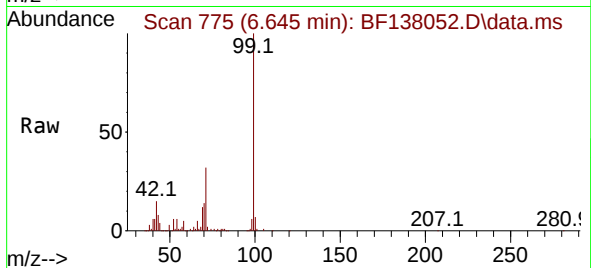
Tgt Ion:112 Resp: 67391
Ion Ratio Lower Upper
112 100
64 56.2 42.4 63.6
63 27.7 21.4 32.2





#7
Phenol-d6
Concen: 13.092 ng
RT: 6.645 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF138052.D
Acq: 28 May 2024 17:37

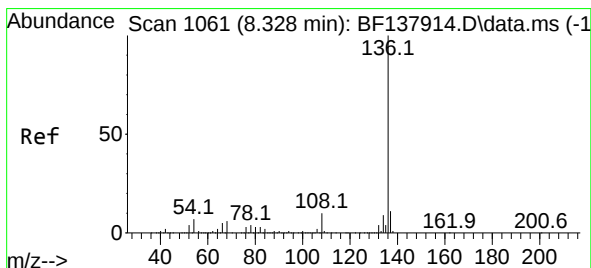
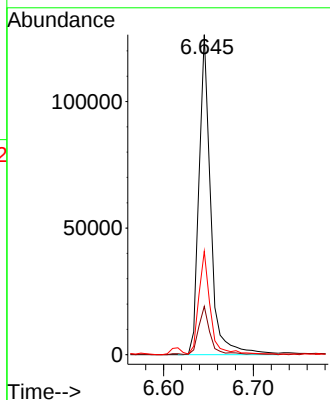
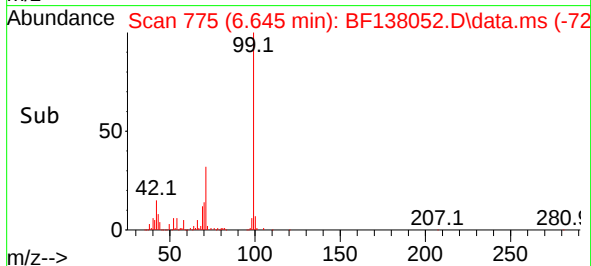
Instrument :
BNA_F
ClientSampleId :
TR-06-052424



Tgt Ion: 99 Resp: 114784
Ion Ratio Lower Upper
99 100
42 15.1 12.6 18.8
71 32.3 27.1 40.7

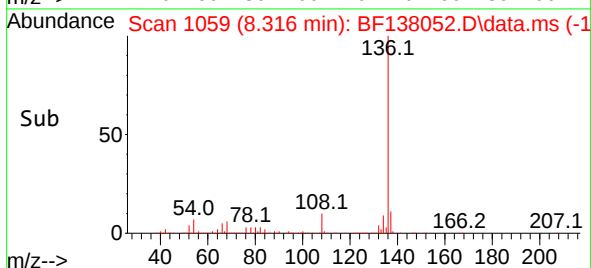
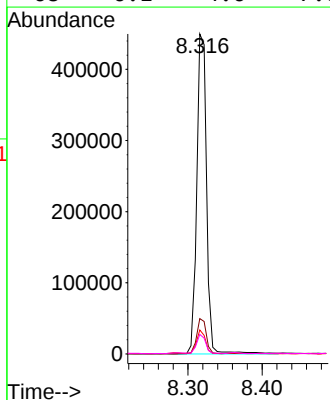
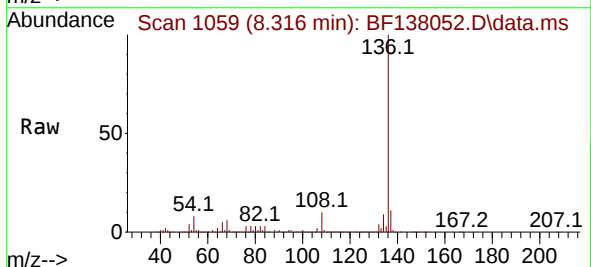
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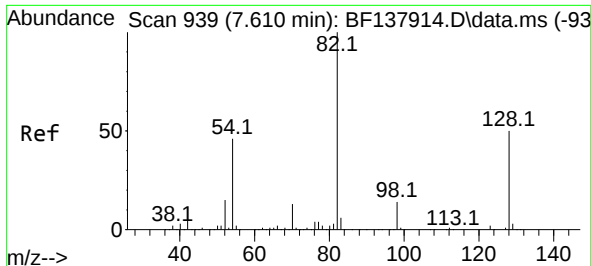
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF138052.D
Acq: 28 May 2024 17:37

Tgt Ion:136 Resp: 413041
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 7.5 5.4 8.2
68 6.1 4.6 7.0





#23
Nitrobenzene-d5
Concen: 9.724 ng
RT: 7.592 min Scan# 91
Delta R.T. -0.018 min
Lab File: BF138052.D
Acq: 28 May 2024 17:37

Instrument :

BNA_F

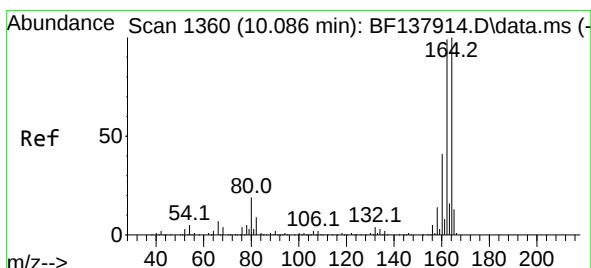
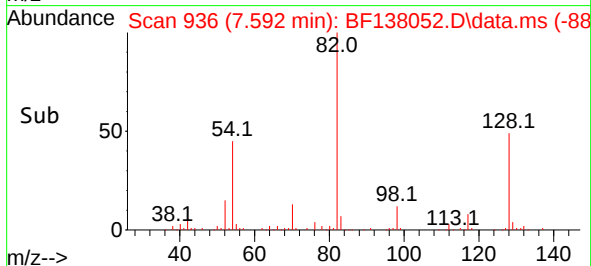
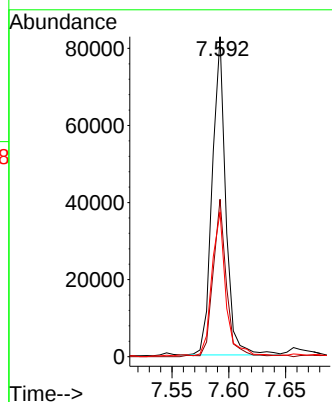
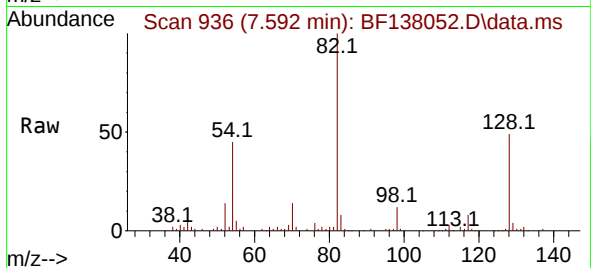
ClientSampleId :

TR-06-052424

Tgt Ion: 82 Resp: 68250
Ion Ratio Lower Upper
82 100
128 49.2 40.3 60.5
54 45.2 36.8 55.2

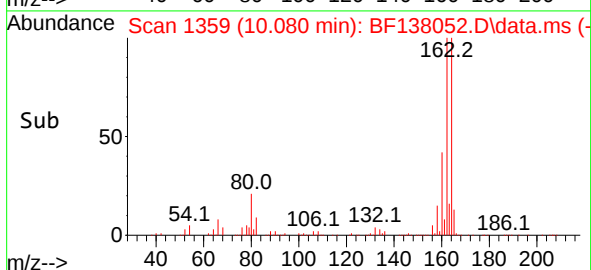
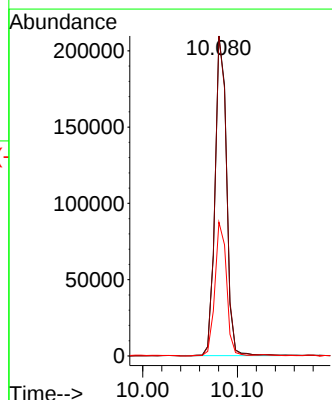
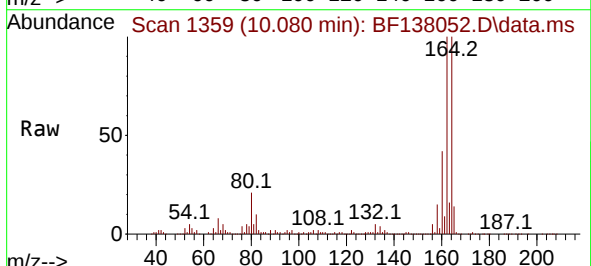
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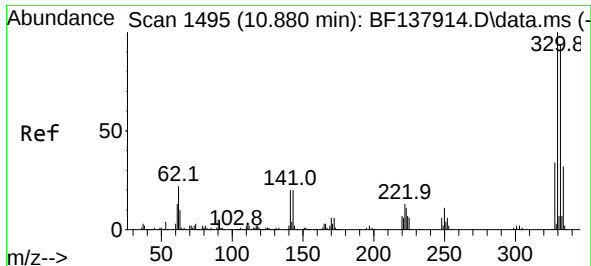
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF138052.D
Acq: 28 May 2024 17:37

Tgt Ion:164 Resp: 177161
Ion Ratio Lower Upper
164 100
162 100.0 79.4 119.2
160 41.8 33.1 49.7





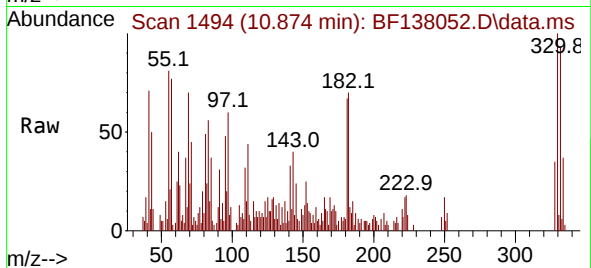
#42
2,4,6-Tribromophenol
Concen: 2.745 ng
RT: 10.874 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF138052.D
Acq: 28 May 2024 17:37

Instrument :

BNA_F

ClientSampleId :

TR-06-052424

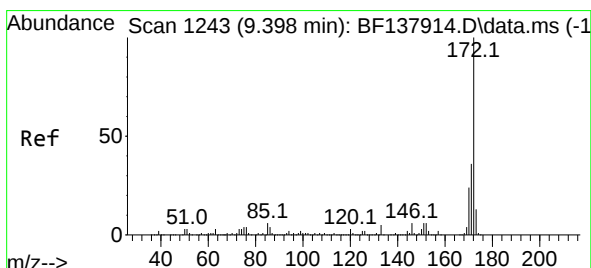
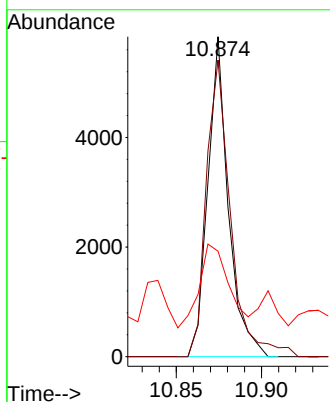
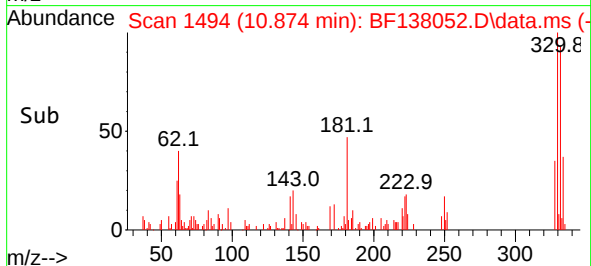


Tgt Ion:330 Resp: 4904
Ion Ratio Lower Upper
330 100
332 109.4 75.8 113.8
141 37.2 23.8 35.6

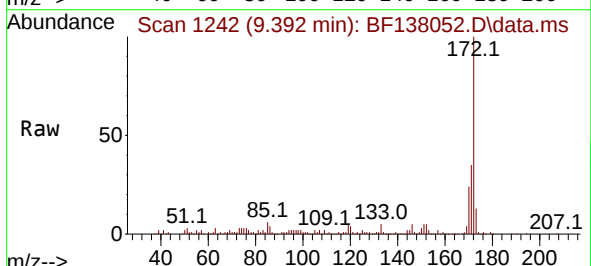
Manual Integrations

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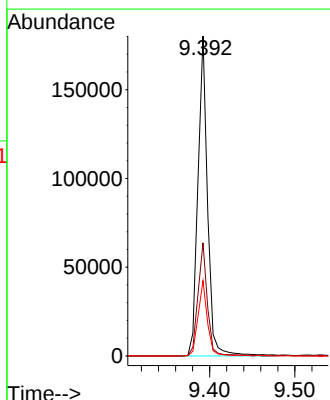
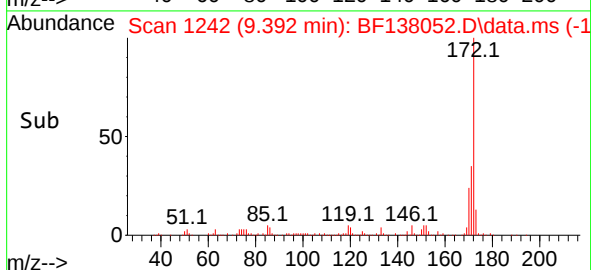
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024

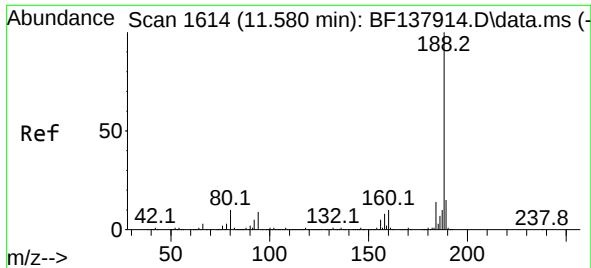


#45
2-Fluorobiphenyl
Concen: 12.347 ng
RT: 9.392 min Scan# 1242
Delta R.T. -0.006 min
Lab File: BF138052.D
Acq: 28 May 2024 17:37



Tgt Ion:172 Resp: 141998
Ion Ratio Lower Upper
172 100
171 35.4 28.9 43.3
170 23.6 18.9 28.3





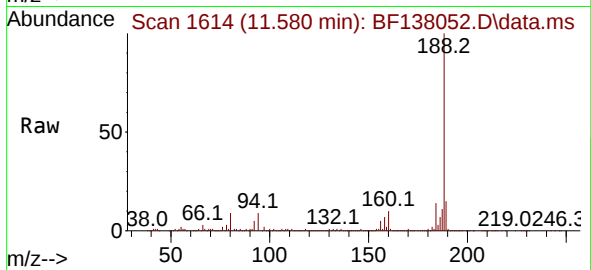
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.580 min Scan# 1614
Delta R.T. -0.000 min
Lab File: BF138052.D
Acq: 28 May 2024 17:37

Instrument :

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TR-06-052424

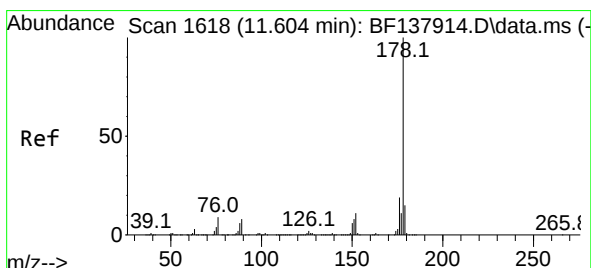
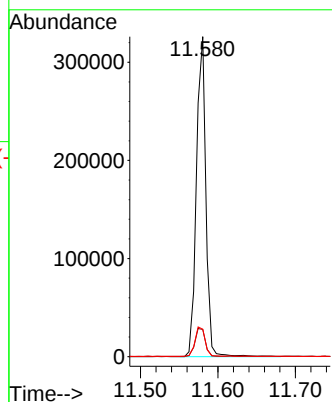
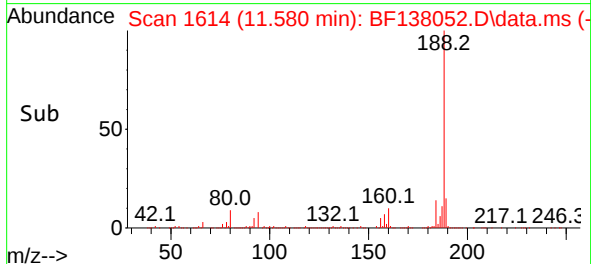


Tgt Ion:188 Resp: 27607
Ion Ratio Lower Upper
188 100
94 8.5 7.0 10.4
80 8.6 7.7 11.5

Manual Integrations

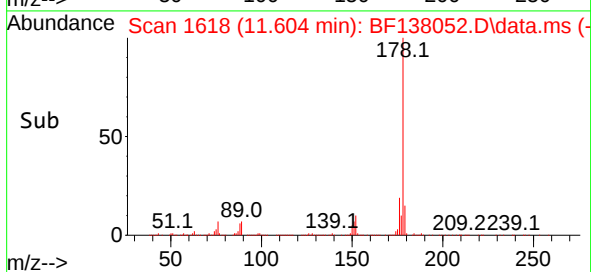
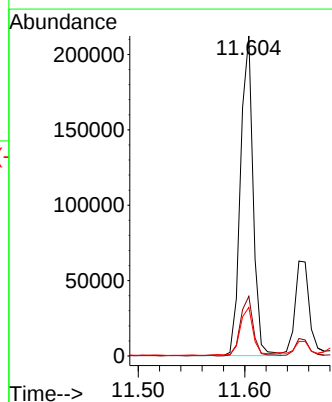
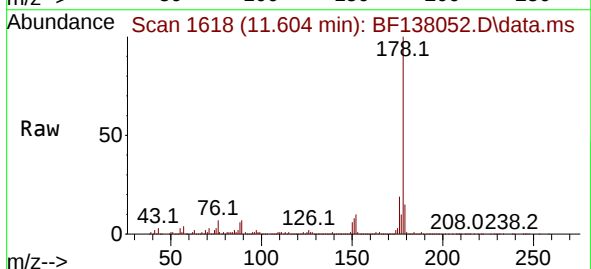
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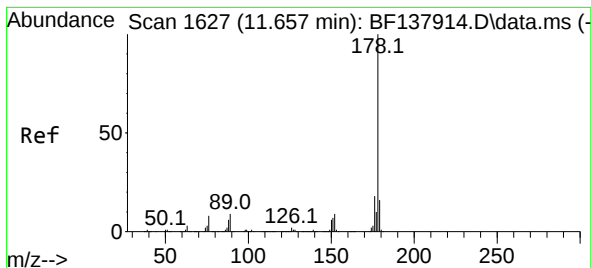
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#71
Phenanthrene
Concen: 12.841 ng
RT: 11.604 min Scan# 1618
Delta R.T. -0.000 min
Lab File: BF138052.D
Acq: 28 May 2024 17:37

Tgt Ion:178 Resp: 174700
Ion Ratio Lower Upper
178 100
176 18.7 15.2 22.8
179 15.2 12.2 18.4





#72

Anthracene

Concen: 4.204 ng

RT: 11.651 min Scan# 1626

Delta R.T. -0.006 min

Lab File: BF138052.D

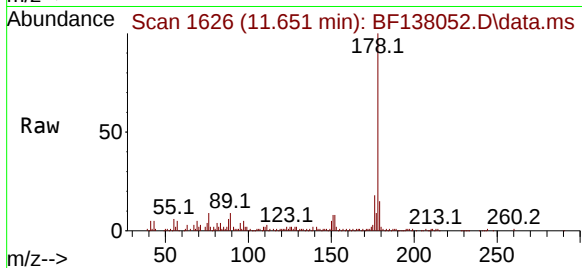
Acq: 28 May 2024 17:37

Instrument :

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TR-06-052424



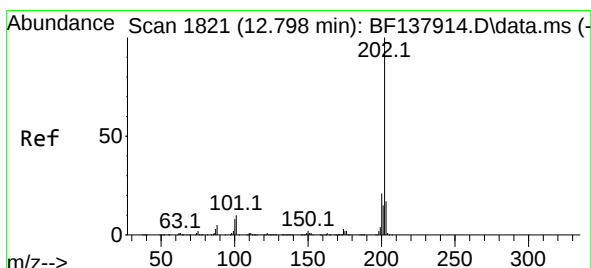
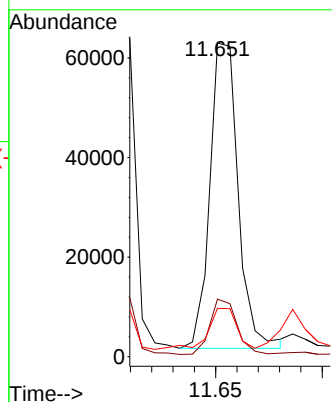
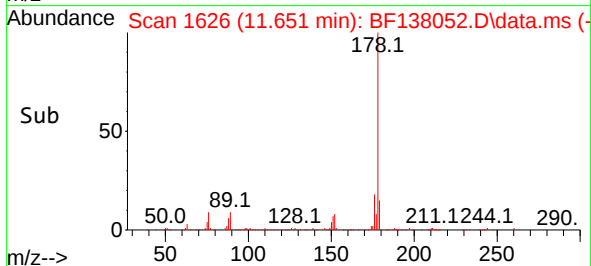
Tgt Ion:178 Resp: 56748

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	15.4	12.4	18.6

Manual Integrations

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#75

Fluoranthene

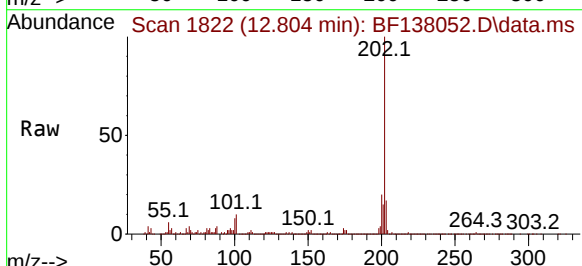
Concen: 32.799 ng

RT: 12.804 min Scan# 1822

Delta R.T. 0.006 min

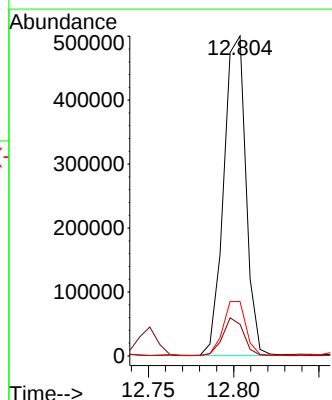
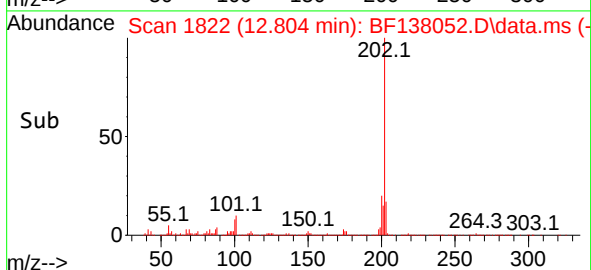
Lab File: BF138052.D

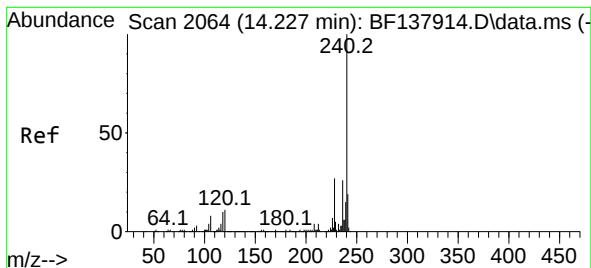
Acq: 28 May 2024 17:37



Tgt Ion:202 Resp: 452920

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	30.5
203	17.0	0.0	37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.233 min Scan# 2065

Delta R.T. 0.006 min

Lab File: BF138052.D

Acq: 28 May 2024 17:37

Instrument :

BNA_F

ClientSampleId :

TR-06-052424

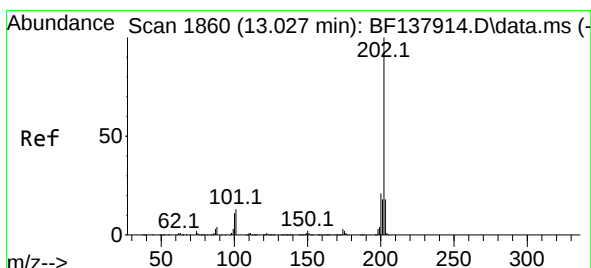
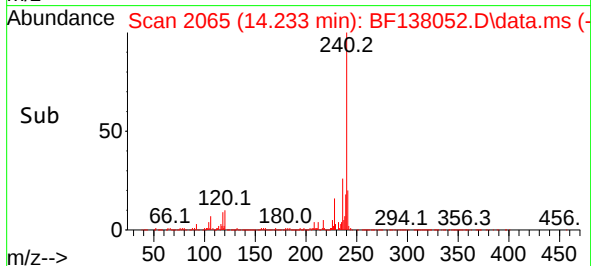
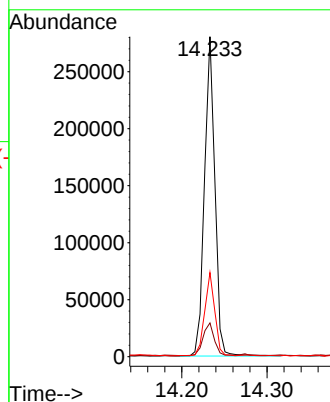
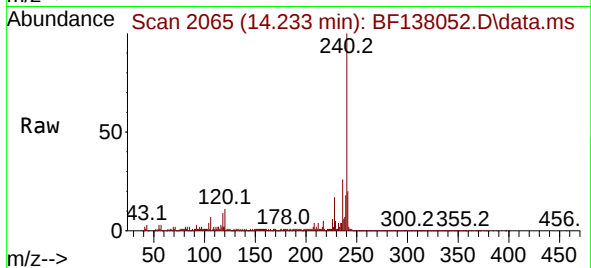
Tgt Ion:240 Resp: 237933

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.9	13.3
236	26.3	21.0	31.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#78

Pyrene

Concen: 21.928 ng

RT: 13.033 min Scan# 1861

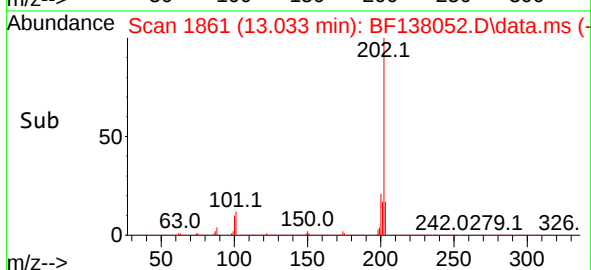
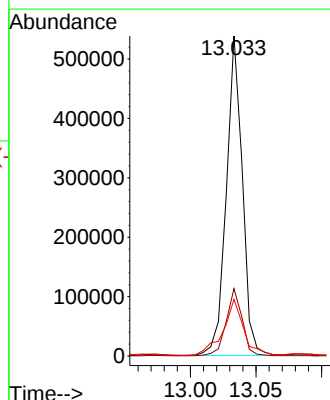
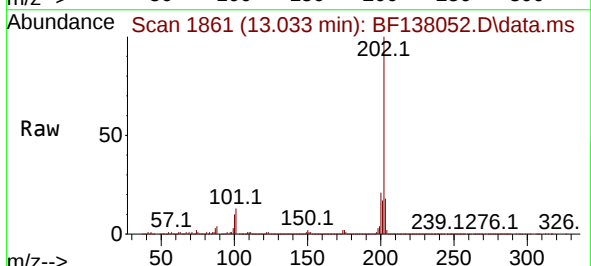
Delta R.T. 0.006 min

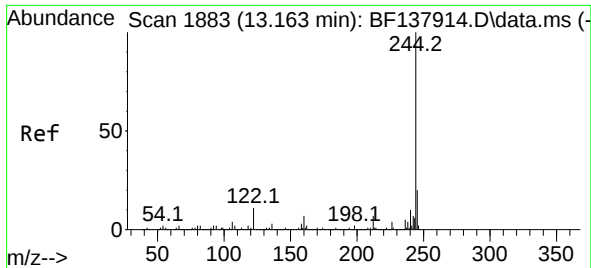
Lab File: BF138052.D

Acq: 28 May 2024 17:37

Tgt Ion:202 Resp: 456337

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	17.7	14.1	21.1





#79
Terphenyl-d14
Concen: 9.399 ng
RT: 13.168 min Scan# 1883
Delta R.T. 0.006 min
Lab File: BF138052.D
Acq: 28 May 2024 17:37

Instrument :

BNA_F

ClientSampleId :

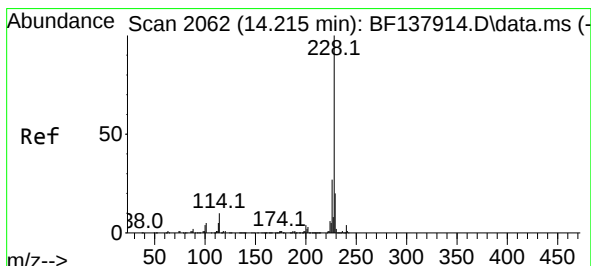
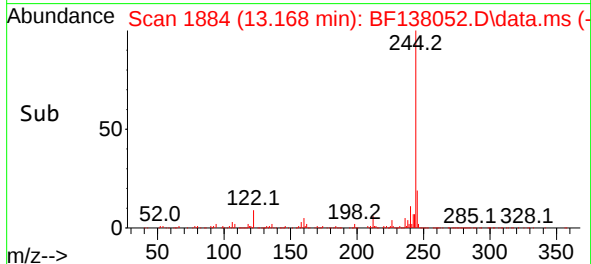
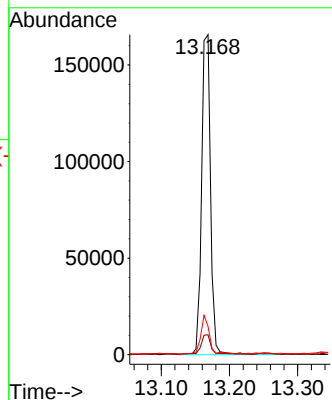
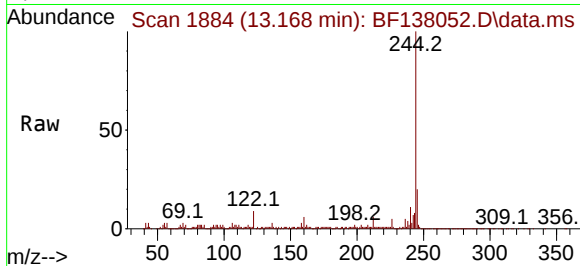
TR-06-052424

Tgt Ion:244 Resp: 151739
Ion Ratio Lower Upper
244 100
212 6.2 5.6 8.4
122 8.8 8.8 13.2

Manual Integrations

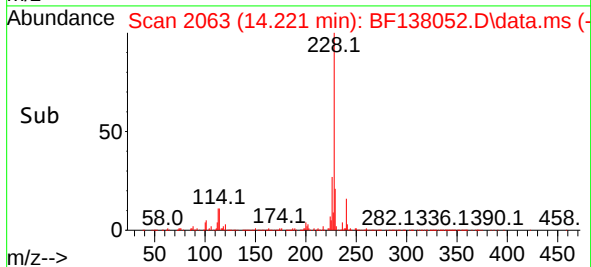
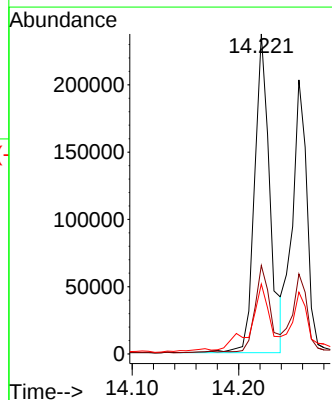
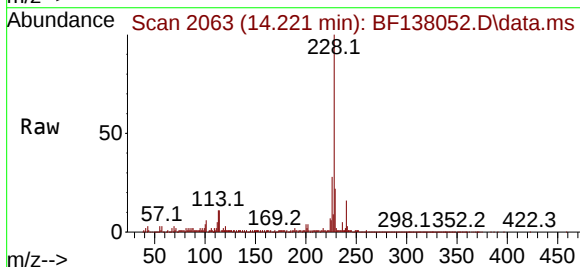
APPROVED

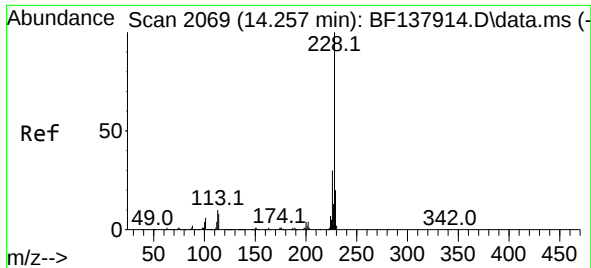
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#81
Benzo(a)anthracene
Concen: 15.657 ng
RT: 14.221 min Scan# 2063
Delta R.T. 0.006 min
Lab File: BF138052.D
Acq: 28 May 2024 17:37

Tgt Ion:228 Resp: 235688
Ion Ratio Lower Upper
228 100
226 27.6 21.3 31.9
229 21.8 15.7 23.5





#83
Chrysene
Concen: 13.549 ng
RT: 14.257 min Scan# 2069
Delta R.T. -0.000 min
Lab File: BF138052.D
Acq: 28 May 2024 17:37

Instrument :

BNA_F

ClientSampleId :

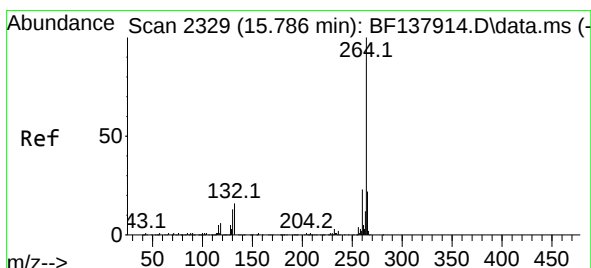
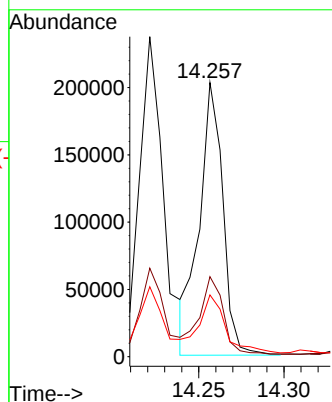
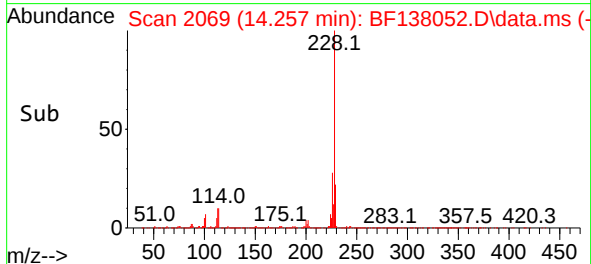
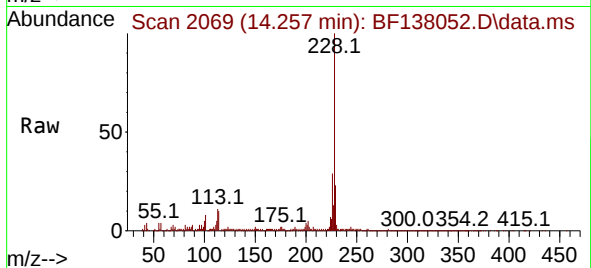
TR-06-052424

Tgt Ion:228 Resp: 195060
Ion Ratio Lower Upper
228 100
226 29.2 23.8 35.8
229 22.6 15.6 23.4

Manual Integrations

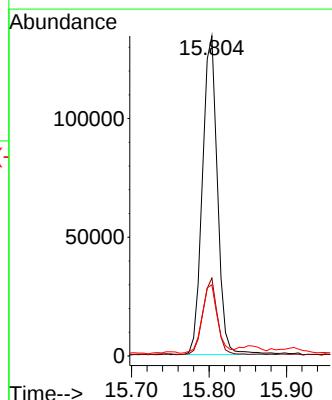
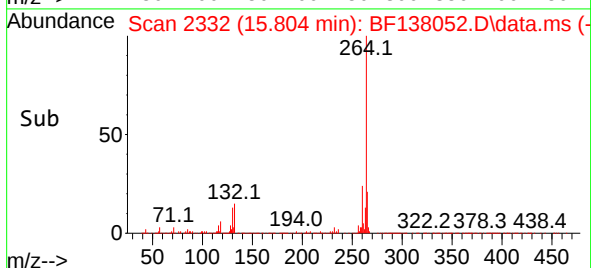
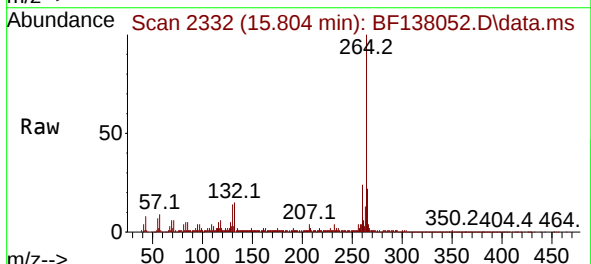
APPROVED

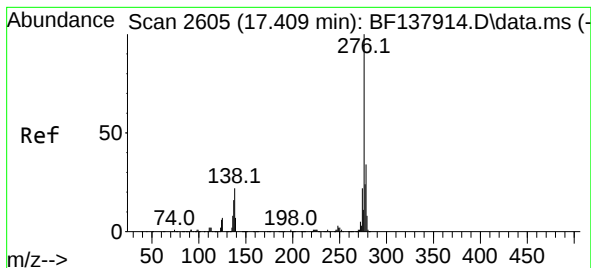
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.804 min Scan# 2332
Delta R.T. 0.018 min
Lab File: BF138052.D
Acq: 28 May 2024 17:37

Tgt Ion:264 Resp: 181163
Ion Ratio Lower Upper
264 100
260 24.4 18.3 27.5
265 22.3 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.785 ng

RT: 17.427 min Scan# 2

Delta R.T. 0.018 min

Lab File: BF138052.D

Acq: 28 May 2024 17:37

Instrument :

BNA_F

ClientSampleId :

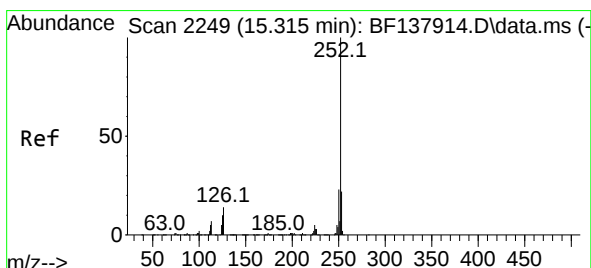
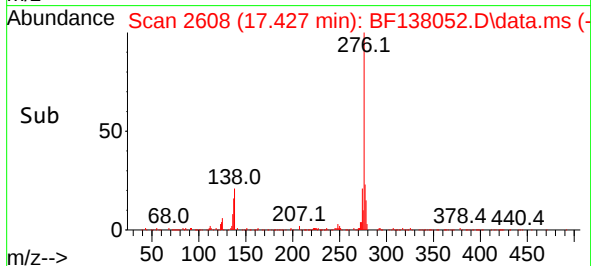
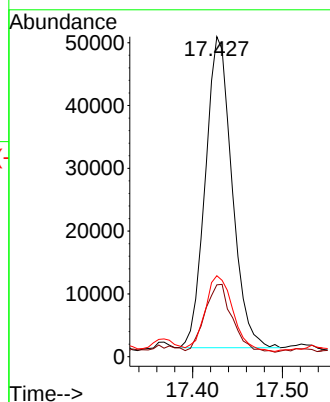
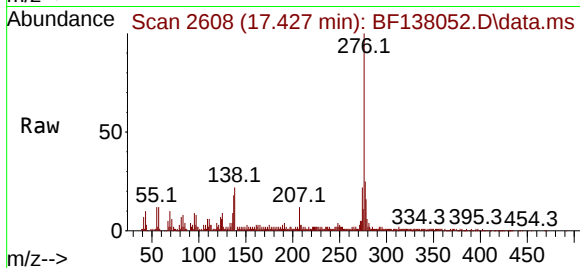
TR-06-052424

Tgt Ion:	276	Resp:	10224
Ion Ratio	Lower	Upper	
276	100		
138	23.0	20.6	30.8
277	26.1	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#88

Benzo(b)fluoranthene

Concen: 24.274 ng m

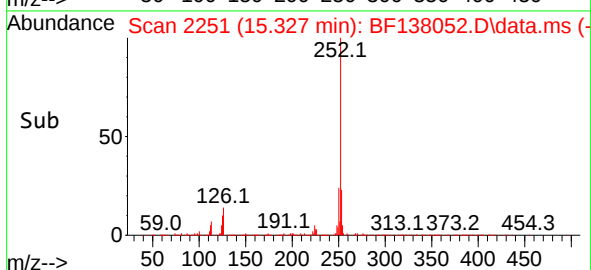
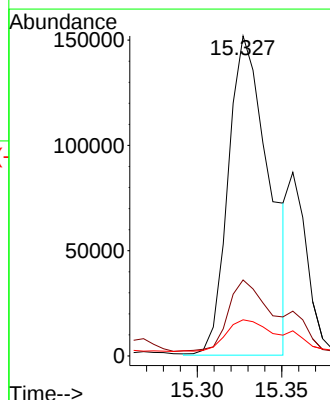
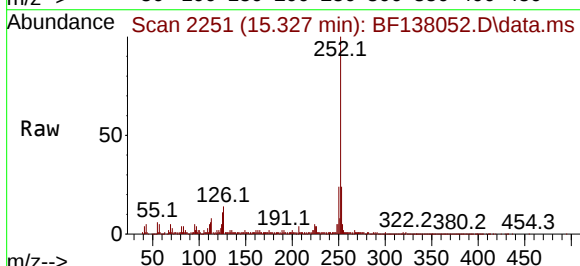
RT: 15.327 min Scan# 2251

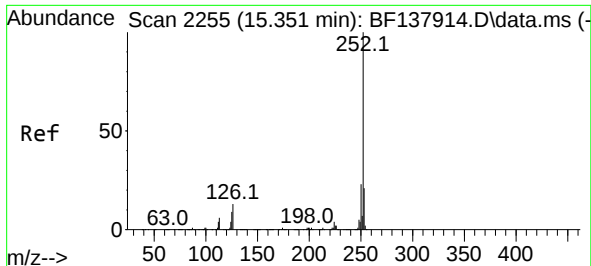
Delta R.T. 0.012 min

Lab File: BF138052.D

Acq: 28 May 2024 17:37

Tgt Ion:	252	Resp:	254619
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.6	26.4
125	11.3	8.2	12.4





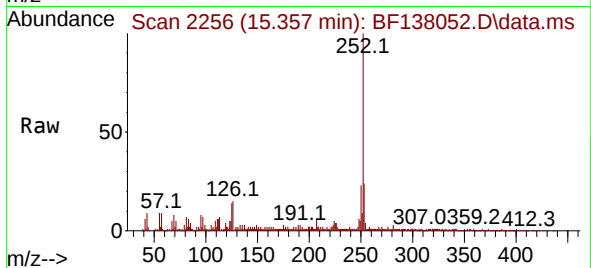
#89
Benzo(k)fluoranthene
Concen: 6.821 ng m
RT: 15.357 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF138052.D
Acq: 28 May 2024 17:37

Instrument :

BNF

ClientSampleId :

TR-06-052424

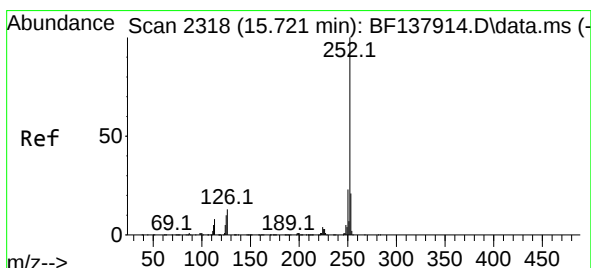
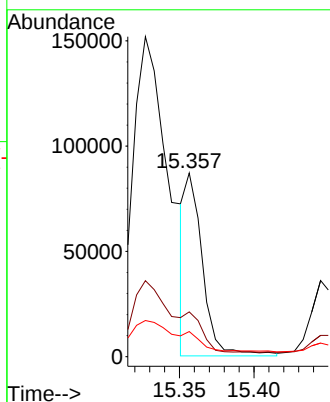
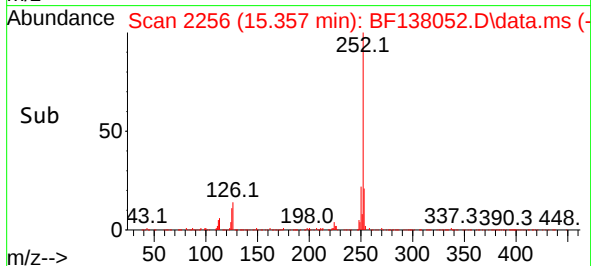


Tgt Ion:252 Resp: 70289
Ion Ratio Lower Upper
252 100
253 24.4 17.4 26.0
125 13.7 7.7 11.5

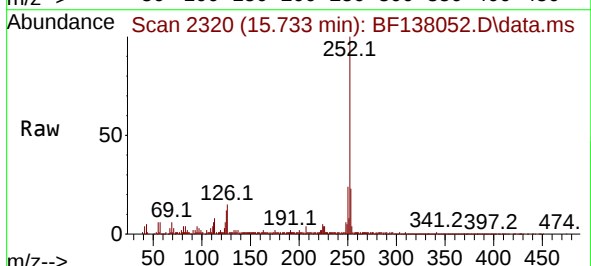
Manual Integrations

APPROVED

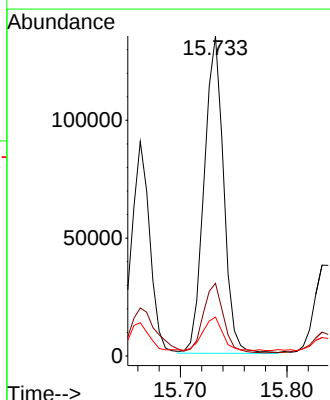
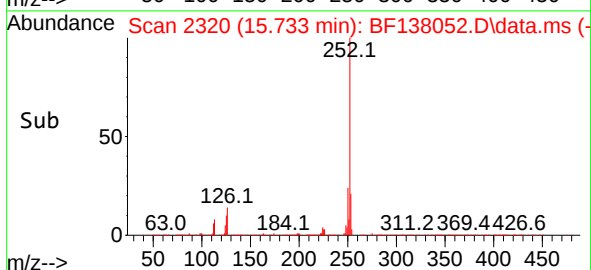
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024

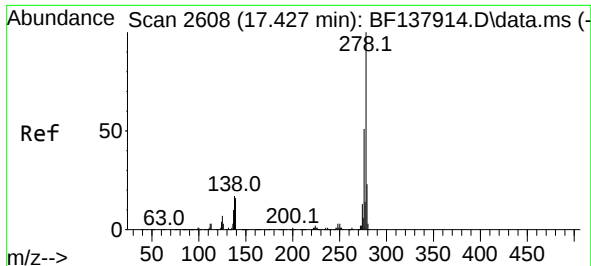


#90
Benzo(a)pyrene
Concen: 19.129 ng
RT: 15.733 min Scan# 2320
Delta R.T. 0.012 min
Lab File: BF138052.D
Acq: 28 May 2024 17:37



Tgt Ion:252 Resp: 171342
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 12.2 7.8 11.8





#91
Dibenzo(a,h)anthracene
Concen: 2.471 ng
RT: 17.445 min Scan# 2611
Delta R.T. 0.018 min
Lab File: BF138052.D
Acq: 28 May 2024 17:37

Instrument :

BNF

ClientSampleId :

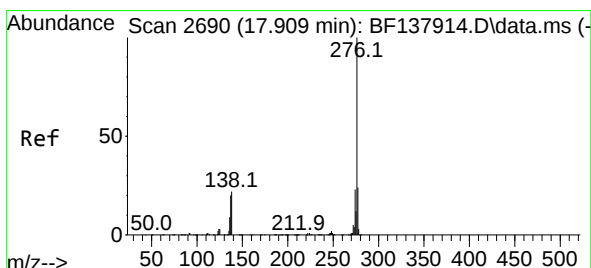
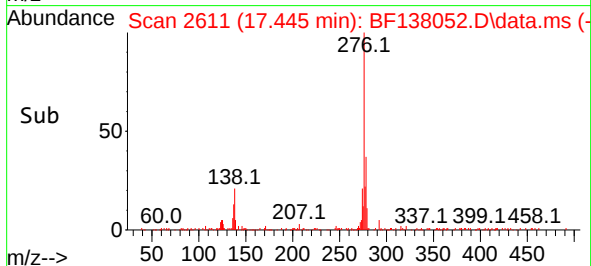
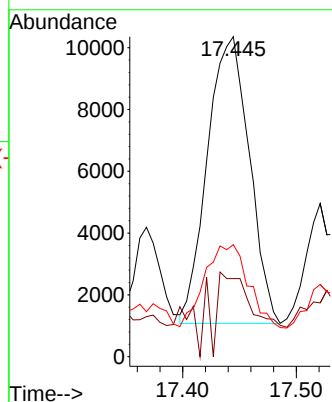
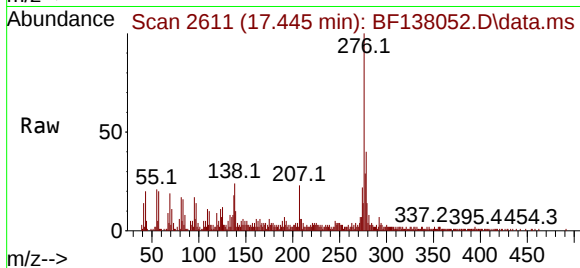
TR-06-052424

Tgt Ion:278 Resp: 23760
Ion Ratio Lower Upper
278 100
139 24.4 13.1 19.7
279 35.0 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#92
Benzo(g,h,i)perylene
Concen: 10.357 ng
RT: 17.933 min Scan# 2694
Delta R.T. 0.023 min
Lab File: BF138052.D
Acq: 28 May 2024 17:37

Tgt Ion:276 Resp: 104627
Ion Ratio Lower Upper
276 100
277 23.6 18.9 28.3
138 20.2 17.6 26.4

