

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062724\
 Data File : BF138381.D
 Acq On : 27 Jun 2024 22:38
 Operator : CG\JU
 Sample : P3076-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 7-B-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/28/2024
 Supervised By :Jagrut Upadhyay 06/28/2024

Quant Time: Jun 28 01:15:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	208045	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	687107	20.000	ng	-0.02
39) Acenaphthene-d10	9.910	164	281051	20.000	ng	-0.02
64) Phenanthrene-d10	11.398	188	473552	20.000	ng	-0.02
76) Chrysene-d12	14.033	240	434657	20.000	ng	-0.02
86) Perylene-d12	15.504	264	333169	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	960062	77.196	ng	0.00
7) Phenol-d6	6.516	99	1123618	71.249	ng	0.00
23) Nitrobenzene-d5	7.440	82	659160	55.849	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	227991	81.486	ng	-0.02
45) 2-Fluorobiphenyl	9.234	172	1018501	57.625	ng	-0.02
79) Terphenyl-d14	12.980	244	1233212	44.937	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	419325	17.905	ng	97
72) Anthracene	11.475	178	119528	5.141	ng	96
75) Fluoranthene	12.610	202	696386	29.161	ng	98
78) Pyrene	12.839	202	603426	16.095	ng	98
81) Benzo(a)anthracene	14.027	228	272330	9.766	ng	99
83) Chrysene	14.063	228	232000	8.728	ng	98
87) Indeno(1,2,3-cd)pyrene	16.968	276	84708	3.900	ng	96
88) Benzo(b)fluoranthene	15.074	252	219122m	11.153	ng	
89) Benzo(k)fluoranthene	15.098	252	66958m	3.477	ng	
90) Benzo(a)pyrene	15.439	252	147462	8.736	ng	98
92) Benzo(g,h,i)perylene	17.415	276	80661	4.374	ng	98

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

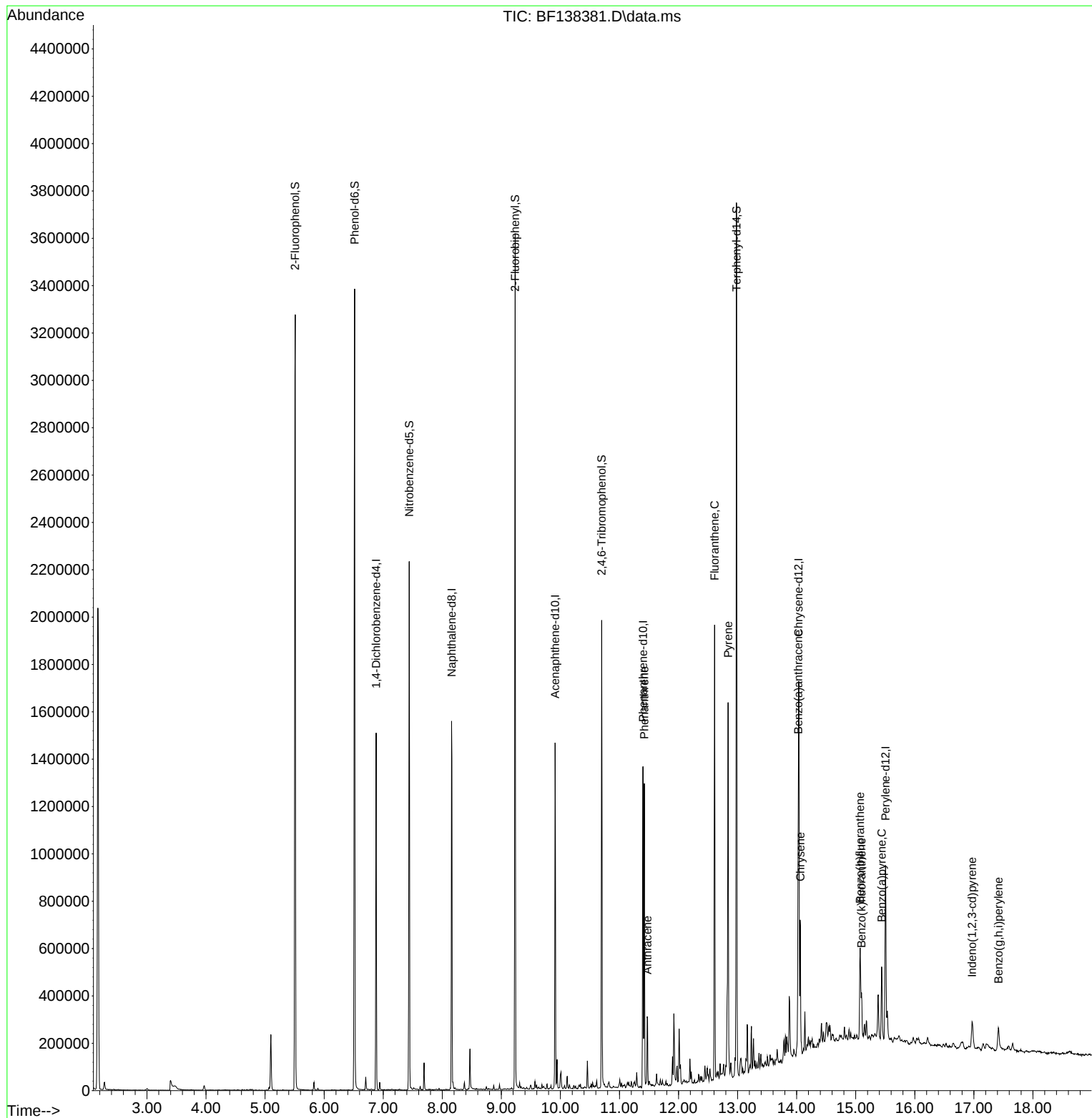
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062724\
Data File : BF138381.D
Acq On : 27 Jun 2024 22:38
Operator : CG\JU
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ALS Vial : 21 Sample Multiplier: 1

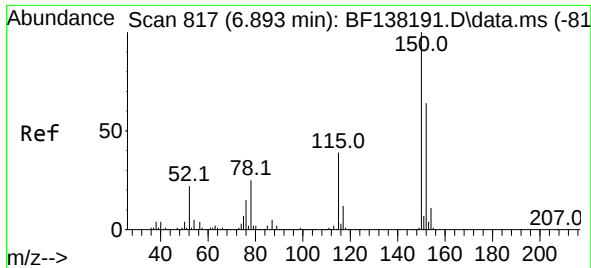
Instrument :
BNA_F
ClientSampleId :
7-B-1

Quant Time: Jun 28 01:15:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 01:52:47 2024
Response via : Initial Calibration

Manual Integrations
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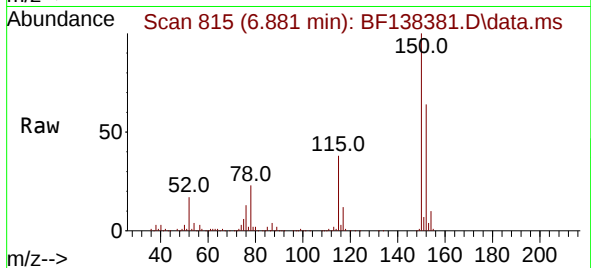
Reviewed By :Yogesh Patel 06/28/2024
Supervised By :Jagrut Upadhyay 06/28/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 817
Delta R.T. -0.012 min
Lab File: BF138381.D
Acq: 27 Jun 2024 22:38

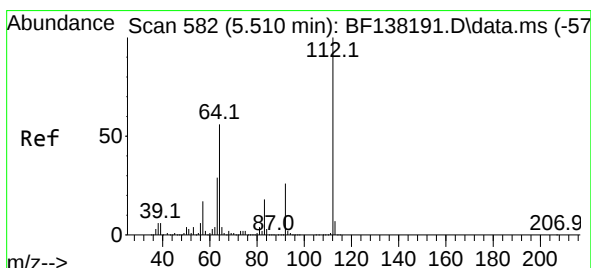
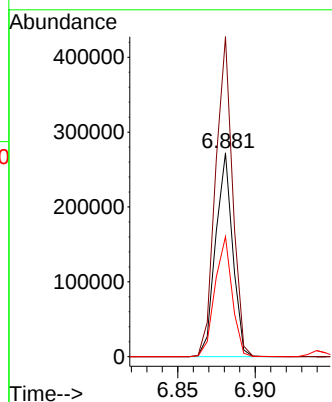
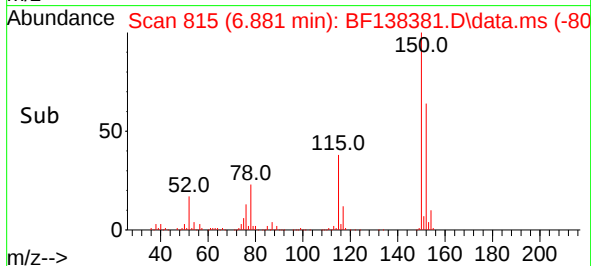
Instrument :
BNA_F
ClientSampleId :
7-B-1



Tgt Ion:152 Resp: 208045
Ion Ratio Lower Upper
152 100
150 157.0 125.0 187.4
115 58.9 48.4 72.6

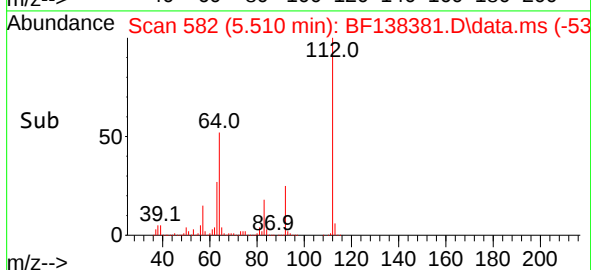
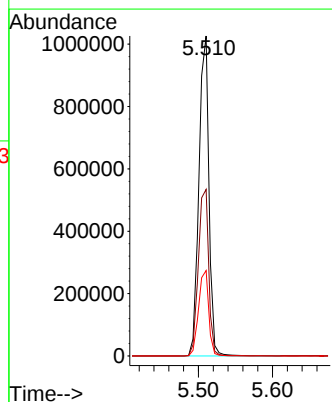
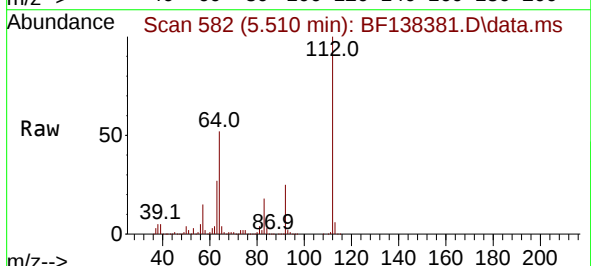
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#5
2-Fluorophenol
Concen: 77.196 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.000 min
Lab File: BF138381.D
Acq: 27 Jun 2024 22:38

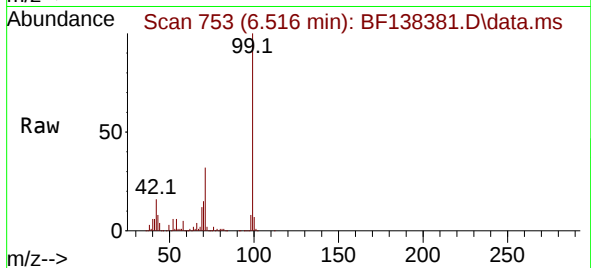
Tgt Ion:112 Resp: 960062
Ion Ratio Lower Upper
112 100
64 52.1 45.2 67.8
63 26.7 22.9 34.3





#7
Phenol-d6
Concen: 71.249 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138381.D
Acq: 27 Jun 2024 22:38

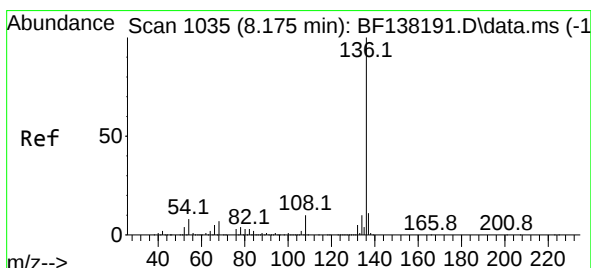
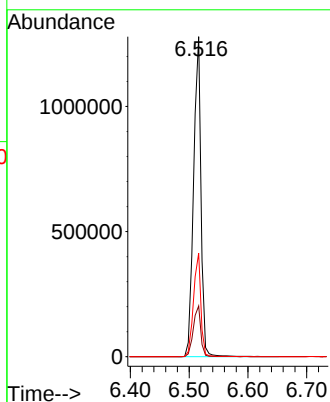
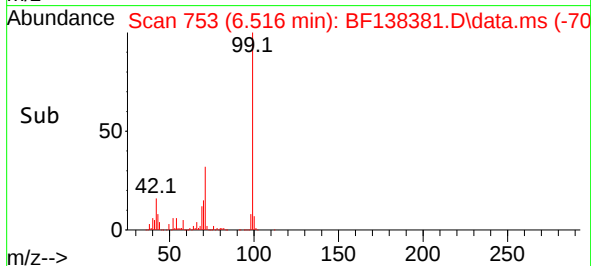
Instrument :
BNA_F
ClientSampleId :
7-B-1



Tgt Ion: 99 Resp: 1123618
Ion Ratio Lower Upper
99 100
42 15.8 13.7 20.5
71 32.3 25.0 37.6

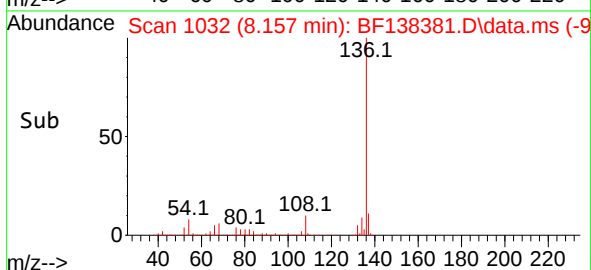
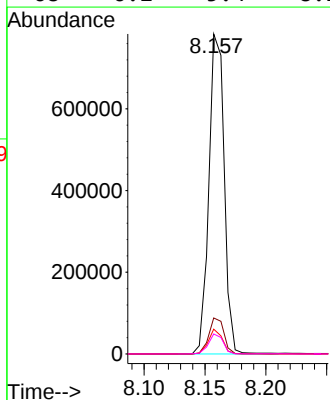
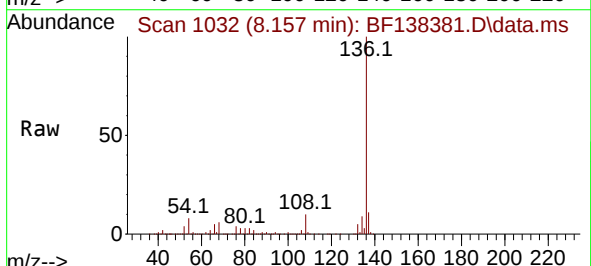
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.018 min
Lab File: BF138381.D
Acq: 27 Jun 2024 22:38

Tgt Ion:136 Resp: 687107
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 7.8 6.6 10.0
68 6.2 5.4 8.2





#23

Nitrobenzene-d5

Concen: 55.849 ng

RT: 7.440 min Scan# 913

Delta R.T. -0.018 min

Lab File: BF138381.D

Acq: 27 Jun 2024 22:38

Instrument :

BNA_F

ClientSampleId :

7-B-1

Tgt Ion: 82 Resp: 659160

Ion Ratio Lower Upper

82 100

128 47.2 37.2 55.8

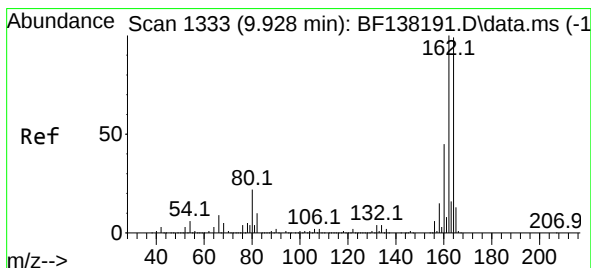
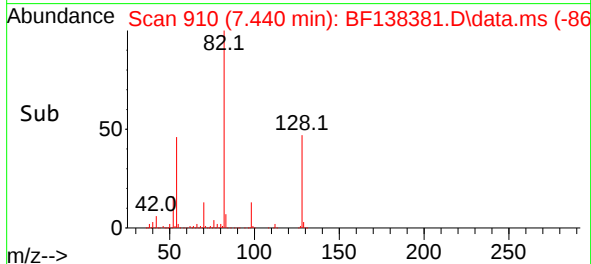
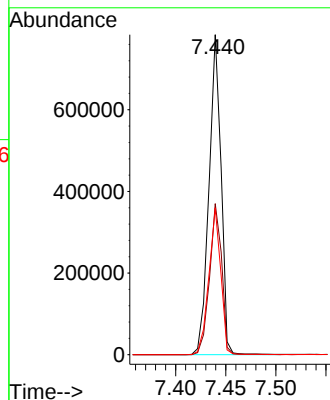
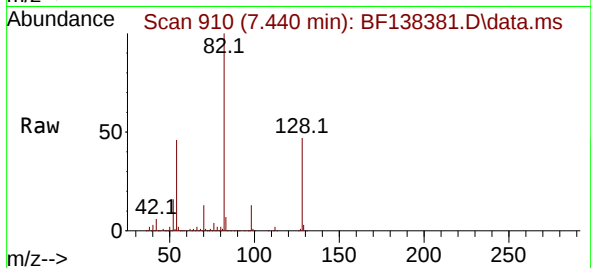
54 45.9 39.8 59.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1330

Delta R.T. -0.018 min

Lab File: BF138381.D

Acq: 27 Jun 2024 22:38

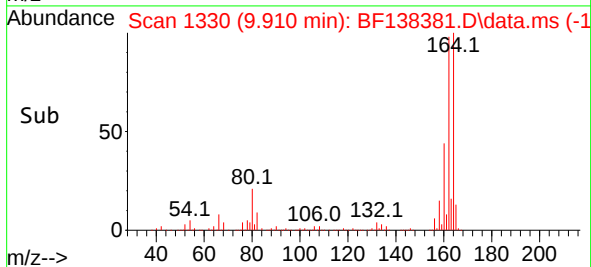
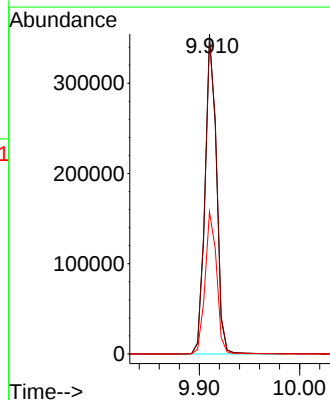
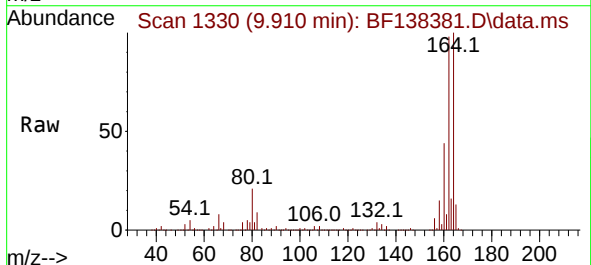
Tgt Ion:164 Resp: 281051

Ion Ratio Lower Upper

164 100

162 97.8 80.6 121.0

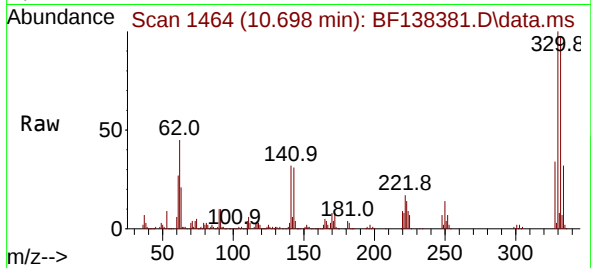
160 44.4 36.3 54.5





#42
2,4,6-Tribromophenol
Concen: 81.486 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.018 min
Lab File: BF138381.D
Acq: 27 Jun 2024 22:38

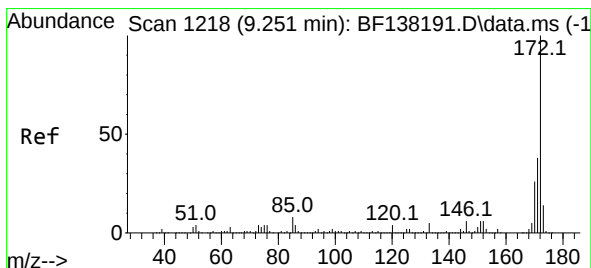
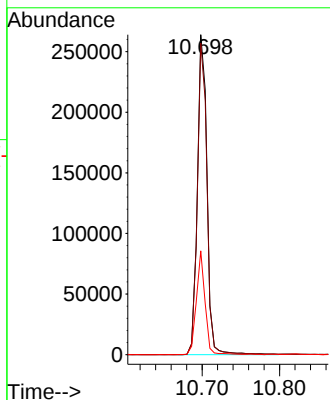
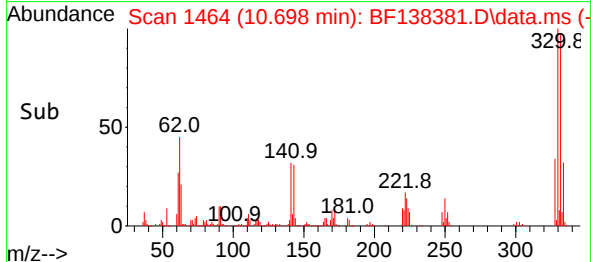
Instrument : BNA_F
ClientSampleId : 7-B-1



Tgt Ion: 330 Resp: 22799
Ion Ratio Lower Upper
330 100
332 96.9 76.6 115.0
141 29.4 23.9 35.9

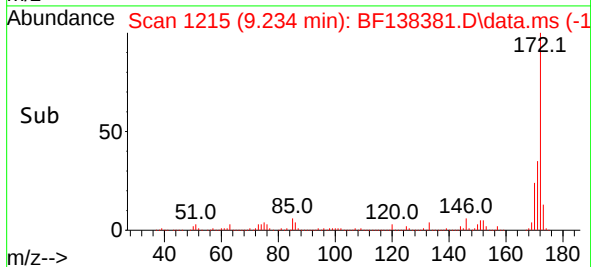
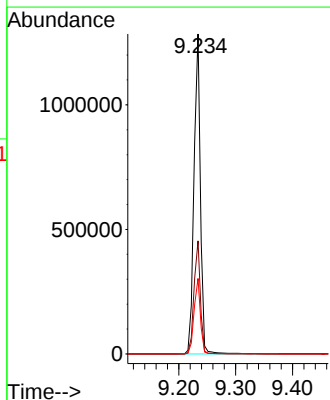
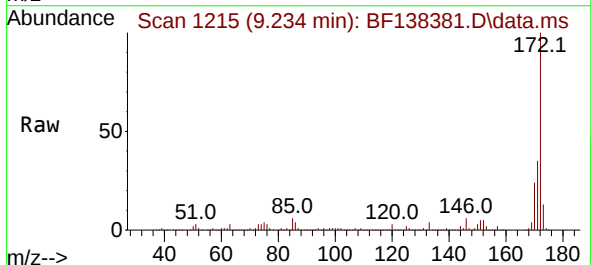
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Supervised By : Jagrut Upadhyay 06/28/2024



#45
2-Fluorobiphenyl
Concen: 57.625 ng
RT: 9.234 min Scan# 1215
Delta R.T. -0.017 min
Lab File: BF138381.D
Acq: 27 Jun 2024 22:38

Tgt Ion: 172 Resp: 1018501
Ion Ratio Lower Upper
172 100
171 35.3 30.3 45.5
170 23.6 20.6 30.8





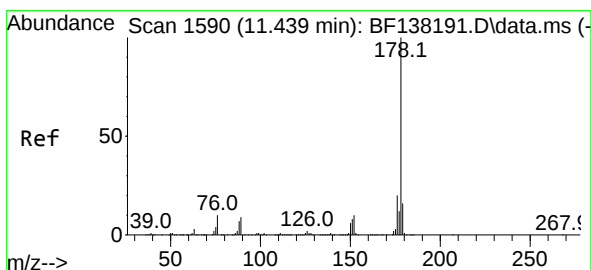
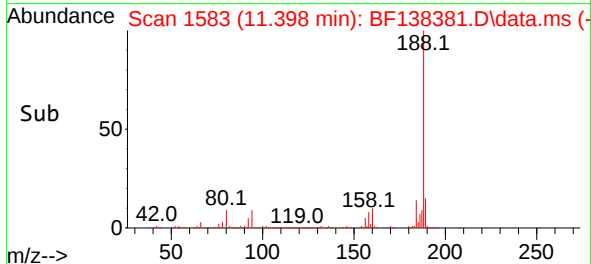
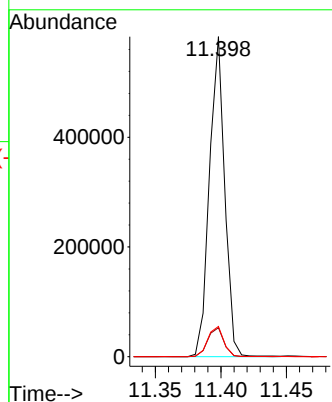
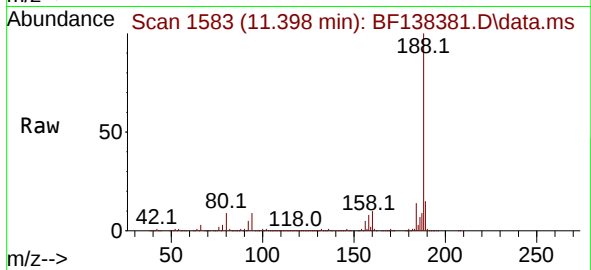
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1586
Delta R.T. -0.018 min
Lab File: BF138381.D
Acq: 27 Jun 2024 22:38

Instrument :
BNA_F
ClientSampleId :
7-B-1

Tgt Ion:188 Resp: 473552
Ion Ratio Lower Upper
188 100
94 9.1 7.6 11.4
80 9.5 8.1 12.1

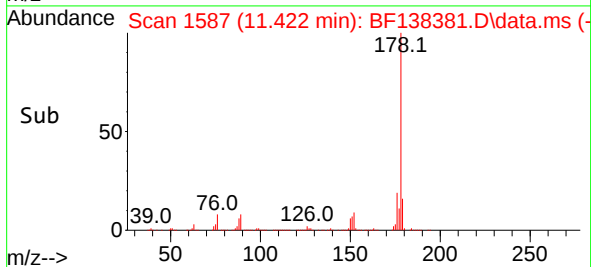
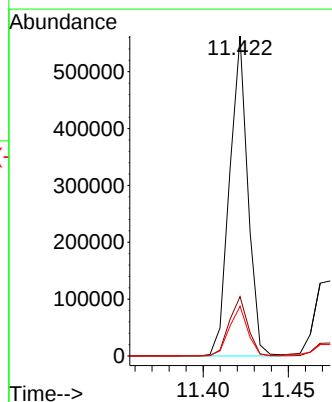
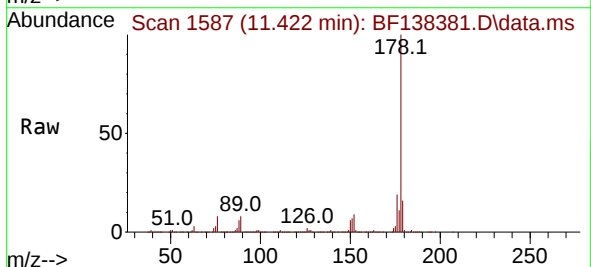
Manual Integrations
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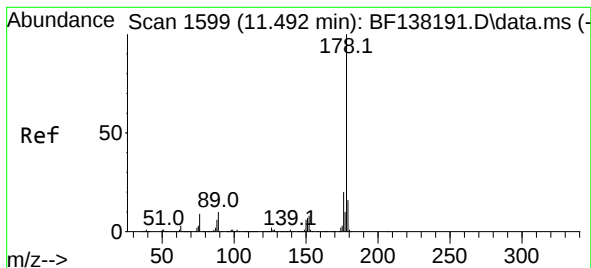
Reviewed By :Yogesh Patel 06/28/2024
Supervised By :Jagrut Upadhyay 06/28/2024



#71
Phenanthrene
Concen: 17.905 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.018 min
Lab File: BF138381.D
Acq: 27 Jun 2024 22:38

Tgt Ion:178 Resp: 419325
Ion Ratio Lower Upper
178 100
176 18.6 16.4 24.6
179 15.5 13.1 19.7





#72

Anthracene

Concen: 5.141 ng

RT: 11.475 min Scan# 119528

Delta R.T. -0.018 min

Lab File: BF138381.D

Acq: 27 Jun 2024 22:38

Instrument :

BNA_F

ClientSampleId :

7-B-1

Tgt Ion:178 Resp: 119528

Ion Ratio Lower Upper

178 100

176 17.3 15.7 23.5

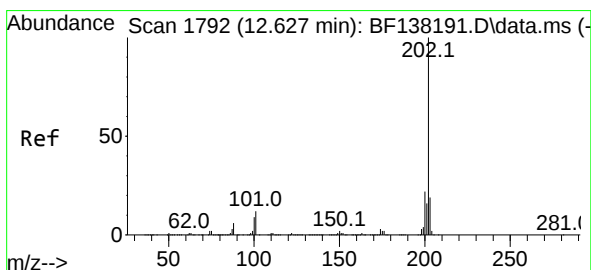
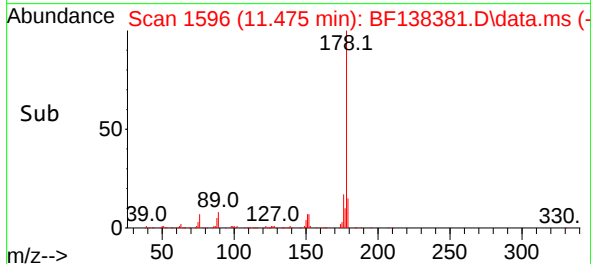
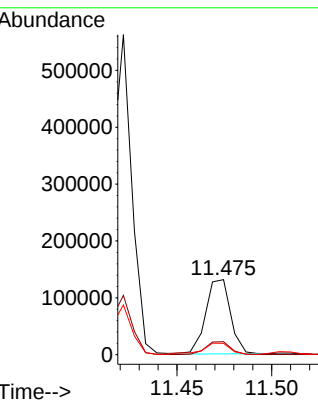
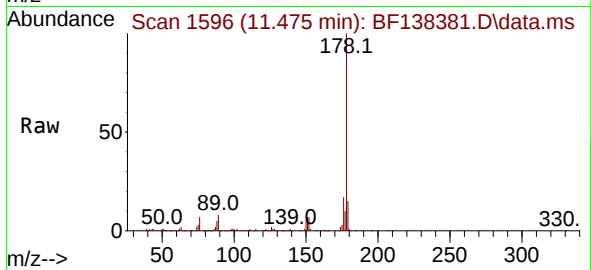
179 15.2 13.0 19.6

Manual Integrations

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#75

Fluoranthene

Concen: 29.161 ng

RT: 12.610 min Scan# 1789

Delta R.T. -0.018 min

Lab File: BF138381.D

Acq: 27 Jun 2024 22:38

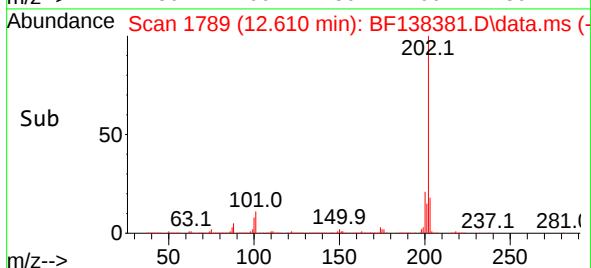
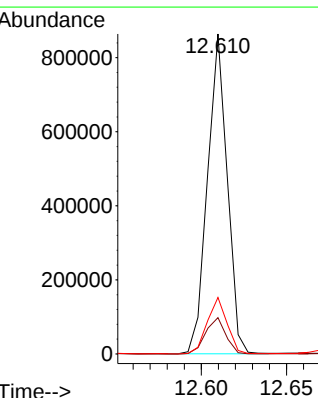
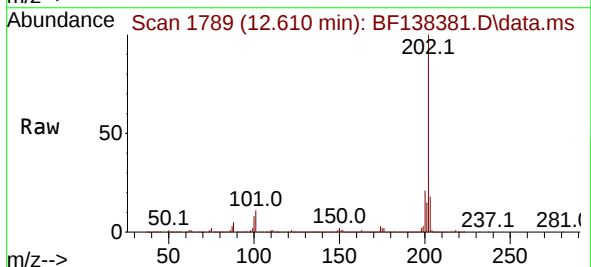
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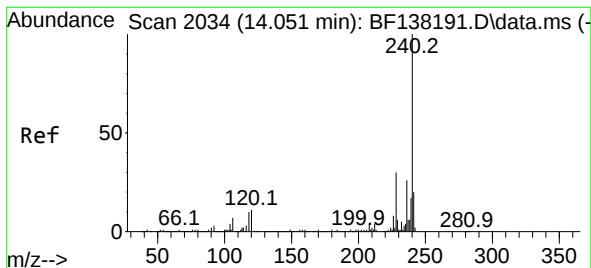
Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.8

203 17.7 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2034

Delta R.T. -0.018 min

Lab File: BF138381.D

Acq: 27 Jun 2024 22:38

Instrument :

BNA_F

ClientSampleId :

7-B-1

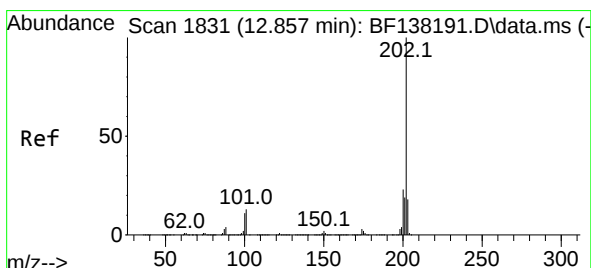
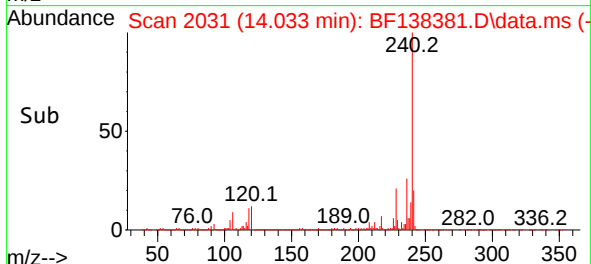
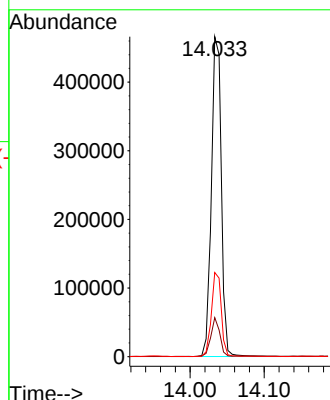
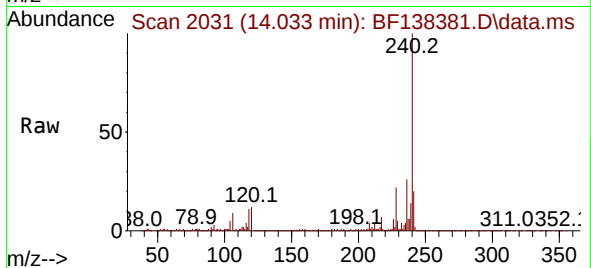
Tgt Ion:240 Resp: 43465
 Ion Ratio Lower Upper
 240 100
 120 12.2 9.2 13.8
 236 26.3 21.0 31.6

Manual Integrations

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#78

Pyrene

Concen: 16.095 ng

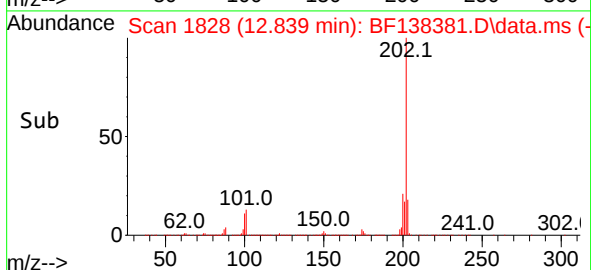
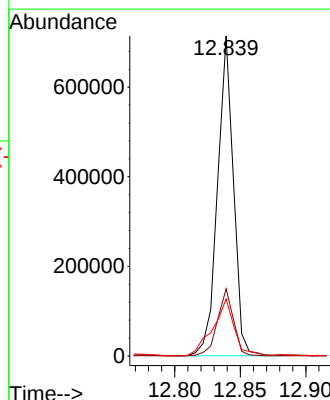
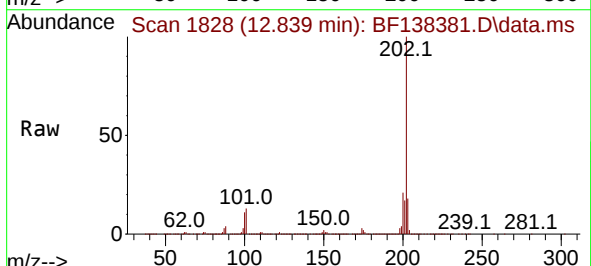
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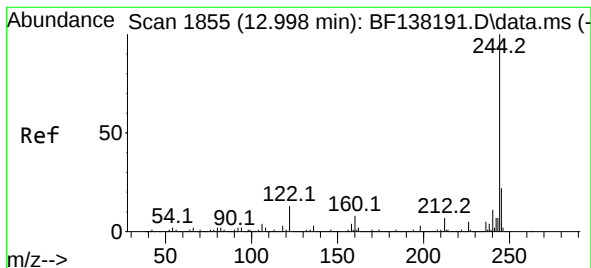
Delta R.T. -0.018 min

Lab File: BF138381.D

Acq: 27 Jun 2024 22:38

Tgt Ion:202 Resp: 603426
 Ion Ratio Lower Upper
 202 100
 200 21.0 18.0 27.0
 203 17.8 14.7 22.1





#79

Terphenyl-d14

Concen: 44.937 ng

RT: 12.980 min Scan# 1852

Delta R.T. -0.018 min

Lab File: BF138381.D

Acq: 27 Jun 2024 22:38

Instrument :

BNA_F

ClientSampleId :

7-B-1

Tgt Ion:244 Resp: 123321

Ion Ratio Lower Upper

244 100

212 6.6 5.9 8.9

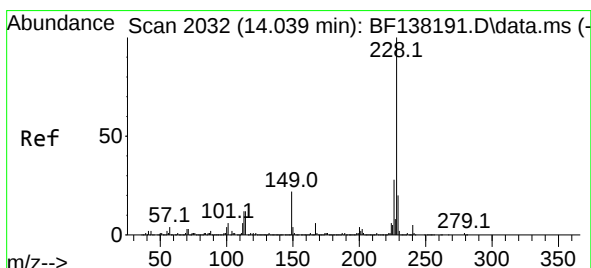
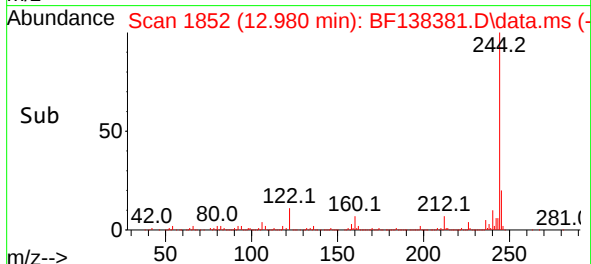
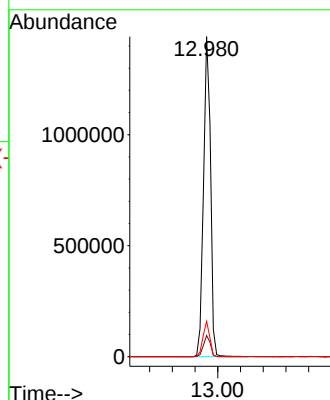
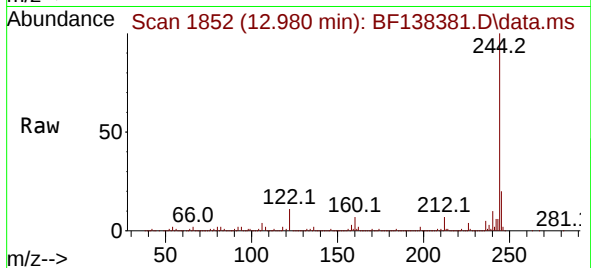
122 11.1 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2024

Supervised By :Jagrut Upadhyay 06/28/2024



#81

Benzo(a)anthracene

Concen: 9.766 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF138381.D

Acq: 27 Jun 2024 22:38

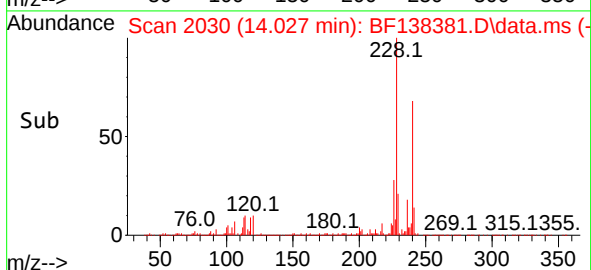
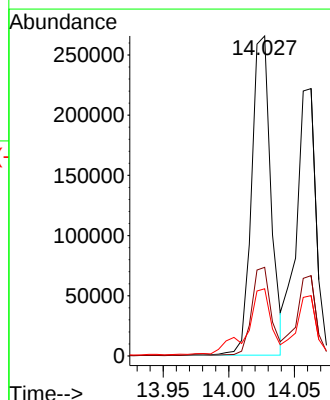
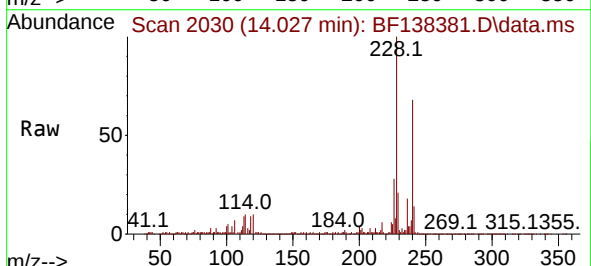
Tgt Ion:228 Resp: 272330

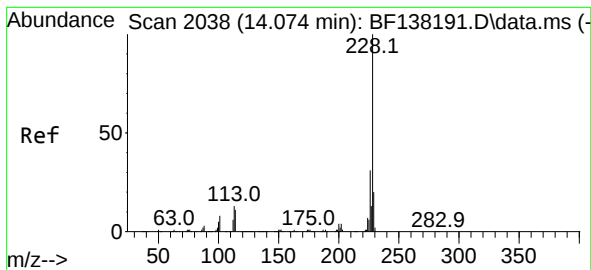
Ion Ratio Lower Upper

228 100

226 27.7 22.5 33.7

229 21.0 16.3 24.5





#83

Chrysene

Concen: 8.728 ng

RT: 14.063 min Scan# 2038

Delta R.T. -0.012 min

Lab File: BF138381.D

Acq: 27 Jun 2024 22:38

Instrument :

BNA_F

ClientSampleId :

7-B-1

Tgt Ion:228 Resp: 232000

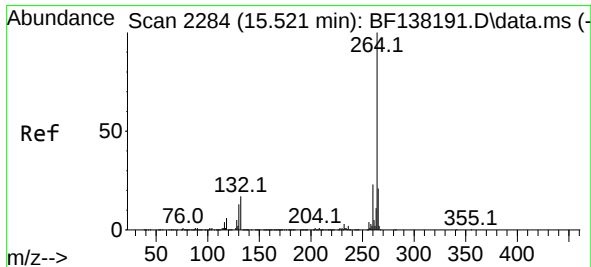
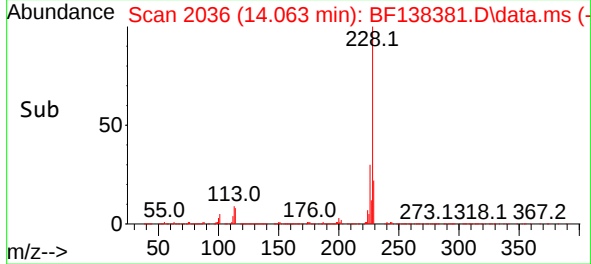
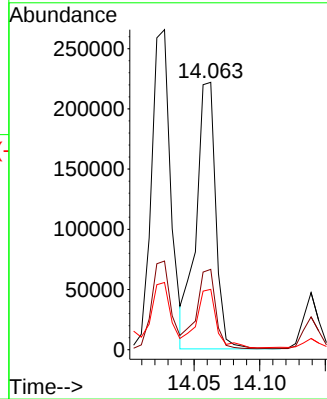
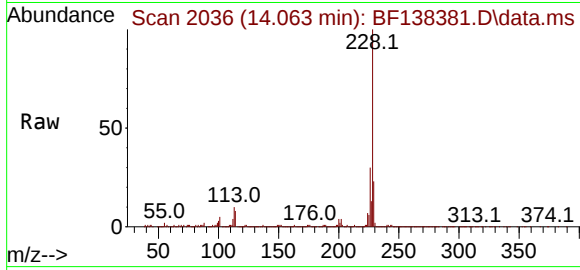
Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.5	36.7
229	22.6	16.3	24.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2024

Supervised By :Jagrut Upadhyay 06/28/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2281

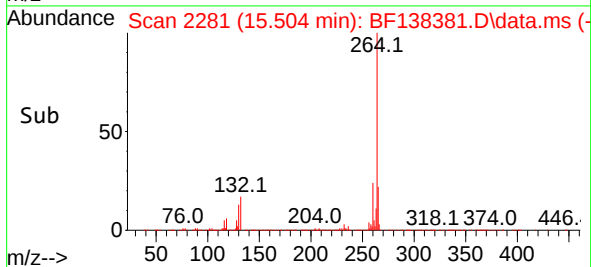
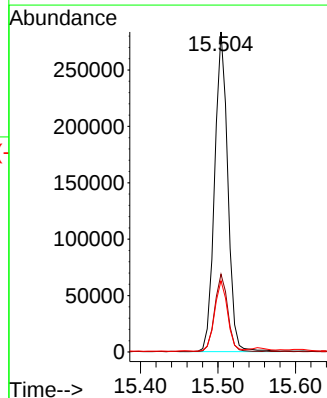
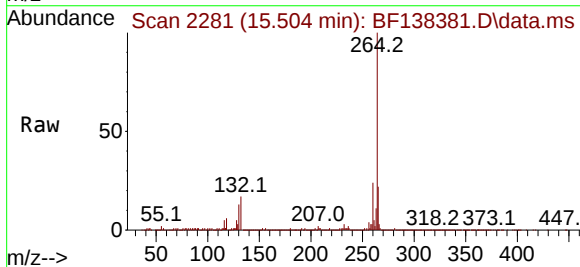
Delta R.T. -0.018 min

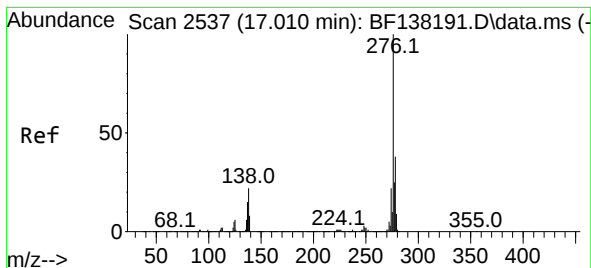
Lab File: BF138381.D

Acq: 27 Jun 2024 22:38

Tgt Ion:264 Resp: 333169

Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.7	28.1
265	22.2	17.0	25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.900 ng

RT: 16.968 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF138381.D

Acq: 27 Jun 2024 22:38

Instrument :

BNA_F

ClientSampleId :

7-B-1

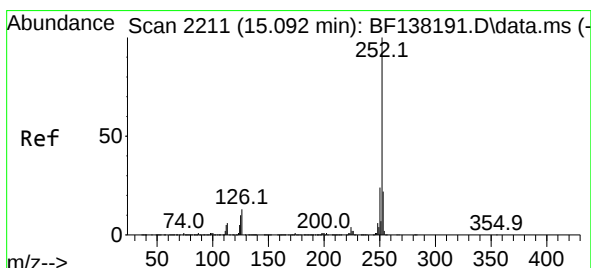
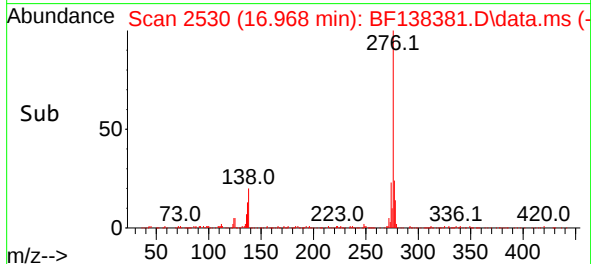
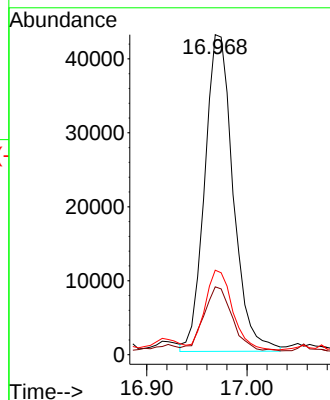
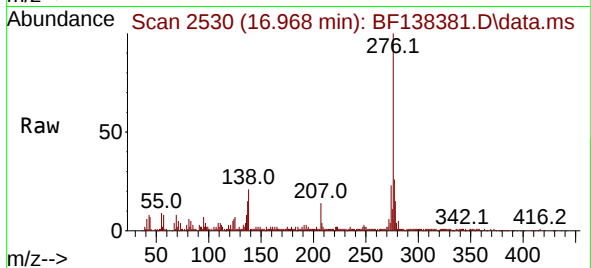
Tgt Ion:276 Resp: 84708
 Ion Ratio Lower Upper
 276 100
 138 20.6 19.3 28.9
 277 24.3 20.2 30.2

Manual Integrations

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Reviewed By :Yogesh Patel 06/28/2024

Supervised By :Jagrut Upadhyay 06/28/2024



#88

Benzo(b)fluoranthene

Concen: 11.153 ng m

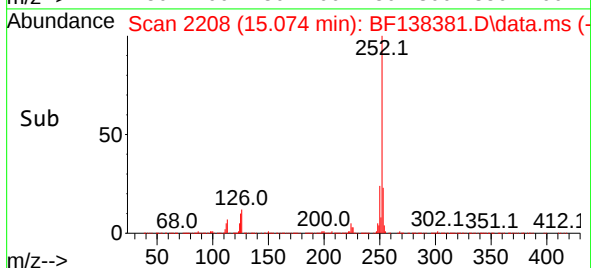
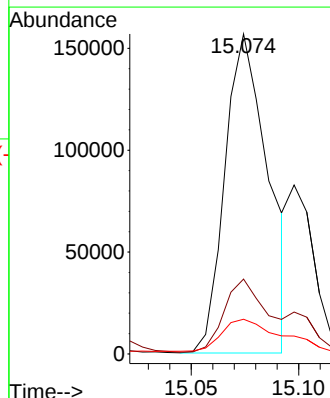
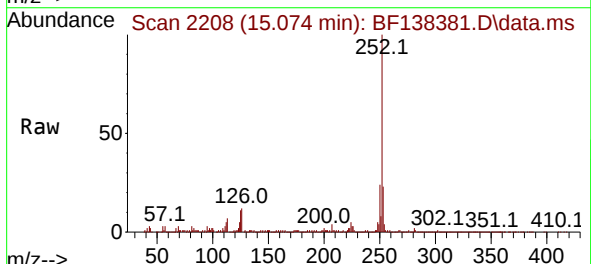
RT: 15.074 min Scan# 2208

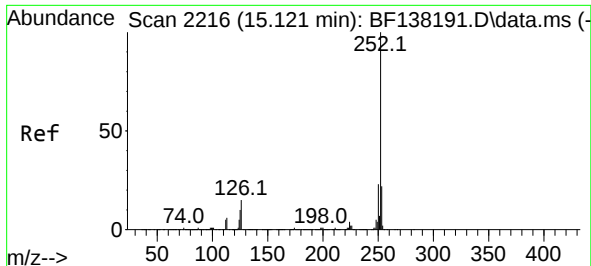
Delta R.T. -0.018 min

Lab File: BF138381.D

Acq: 27 Jun 2024 22:38

Tgt Ion:252 Resp: 219122
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.7 26.5
 125 10.8 7.8 11.8





#89

Benzo(k)fluoranthene

Concen: 3.477 ng m

RT: 15.098 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF138381.D

Acq: 27 Jun 2024 22:38

Instrument :

BNA_F

ClientSampleId :

7-B-1

Tgt Ion:252 Resp: 66958

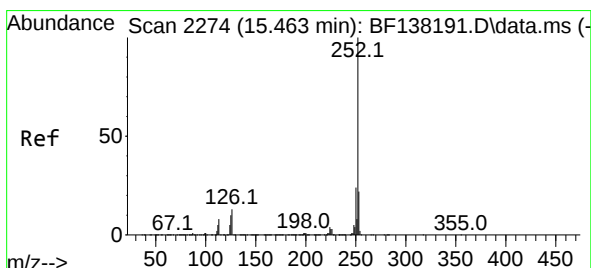
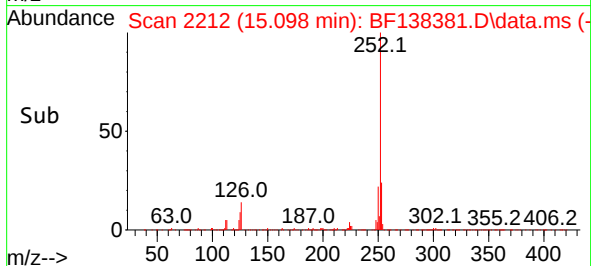
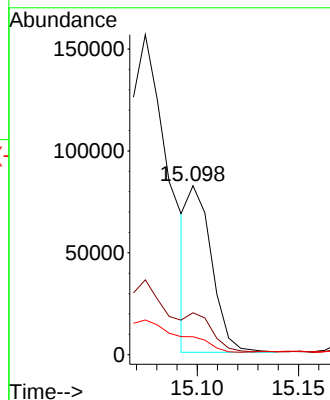
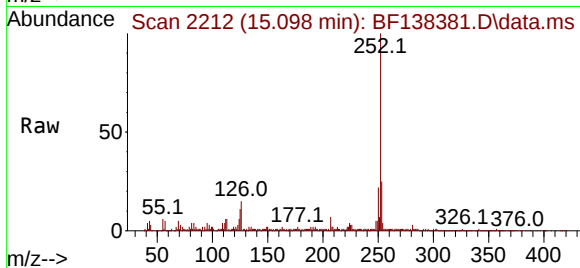
Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.8	26.8
125	10.6	8.0	12.0

Manual Integrations

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Reviewed By :Yogesh Patel 06/28/2024

Supervised By :Jagrut Upadhyay 06/28/2024



#90

Benzo(a)pyrene

Concen: 8.736 ng

RT: 15.439 min Scan# 2270

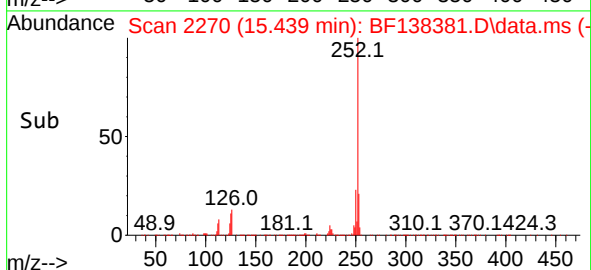
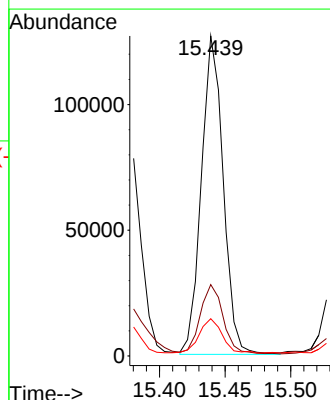
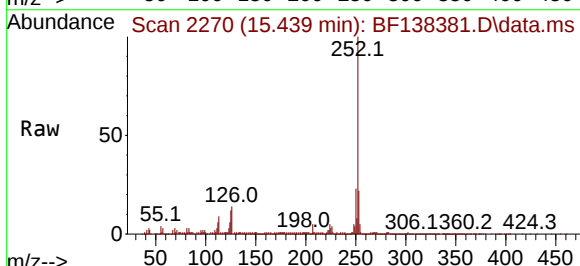
Delta R.T. -0.024 min

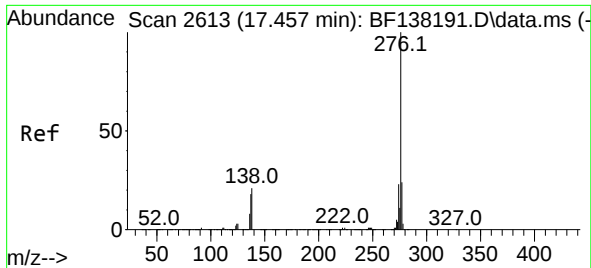
Lab File: BF138381.D

Acq: 27 Jun 2024 22:38

Tgt Ion:252 Resp: 147462

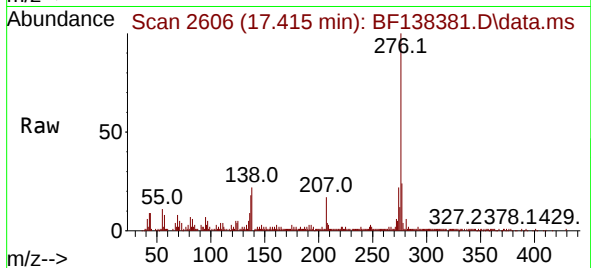
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	11.7	8.2	12.2





#92
 Benzo(g,h,i)perylene
 Concen: 4.374 ng
 RT: 17.415 min Scan# 20
 Delta R.T. -0.041 min
 Lab File: BF138381.D
 Acq: 27 Jun 2024 22:38

Instrument :
 BNA_F
 ClientSampleId :
 7-B-1



Tgt Ion:276 Resp: 8066
 Ion Ratio Lower Upper
 276 100
 277 24.3 19.5 29.3
 138 22.2 16.6 24.8

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/28/2024
 Supervised By :Jagrut Upadhyay 06/28/2024

