

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062724\
 Data File : BF138377.D
 Acq On : 27 Jun 2024 20:39
 Operator : CG\JU
 Sample : P3077-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1-N-1

Manual Integrations
 APPROVED

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

Quant Time: Jun 28 01:14:07 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	221890	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	790166	20.000	ng	-0.02
39) Acenaphthene-d10	9.910	164	343796	20.000	ng	-0.02
64) Phenanthrene-d10	11.398	188	492216	20.000	ng	-0.02
76) Chrysene-d12	14.033	240	439501	20.000	ng	-0.02
86) Perylene-d12	15.504	264	342765	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	967762	72.960	ng	0.00
7) Phenol-d6	6.516	99	1140431	67.803	ng	0.00
23) Nitrobenzene-d5	7.440	82	694250	51.150	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	230790	67.432	ng	-0.02
45) 2-Fluorobiphenyl	9.234	172	1115698	51.604	ng	-0.02
79) Terphenyl-d14	12.980	244	1082590	39.013	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	261627	10.748	ng	97
72) Anthracene	11.469	178	70095	2.900	ng	97
75) Fluoranthene	12.610	202	477889	19.253	ng	97
78) Pyrene	12.839	202	422079	11.134	ng	97
81) Benzo(a)anthracene	14.022	228	234088	8.302	ng	99
83) Chrysene	14.057	228	197806	7.360	ng	96
87) Indeno(1,2,3-cd)pyrene	16.968	276	71471	3.199	ng	94
88) Benzo(b)fluoranthene	15.074	252	197867m	9.789	ng	
89) Benzo(k)fluoranthene	15.098	252	63475m	3.204	ng	
90) Benzo(a)pyrene	15.439	252	127475	7.341	ng	96
92) Benzo(g,h,i)perylene	17.415	276	63155	3.329	ng	98

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

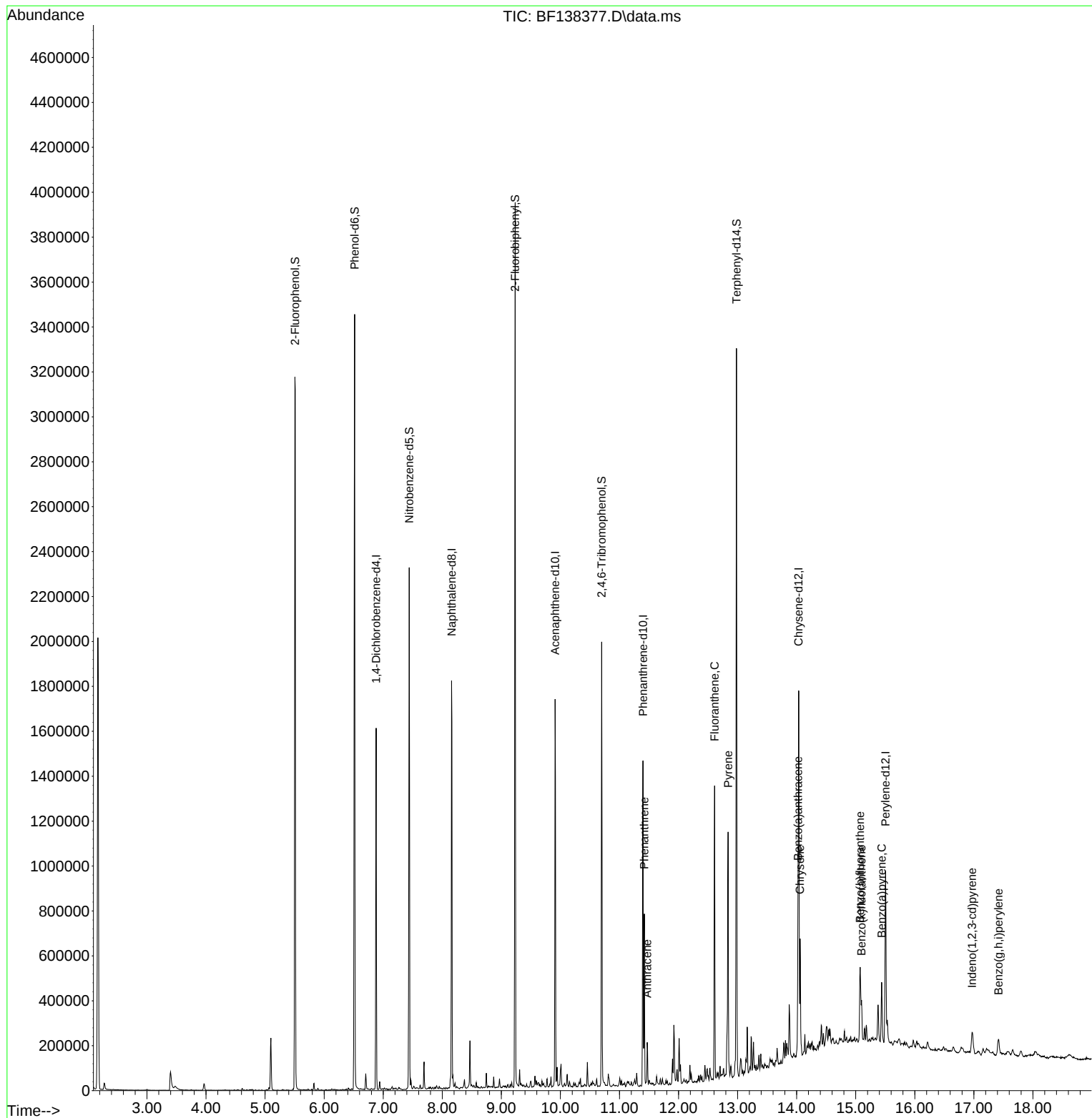
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062724\
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 01:52:47 2024
Response via : Initial Calibration

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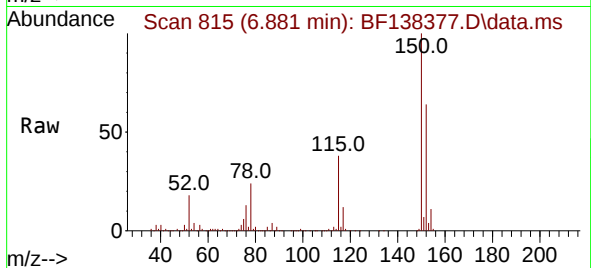
Reviewed By :Yogesh Patel 06/28/2024
Supervised By :Jagrut Upadhyay 06/28/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 817
Delta R.T. -0.012 min
Lab File: BF138377.D
Acq: 27 Jun 2024 20:39

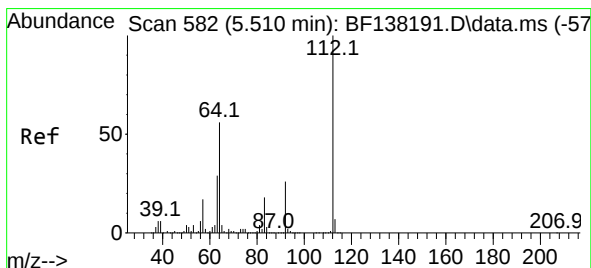
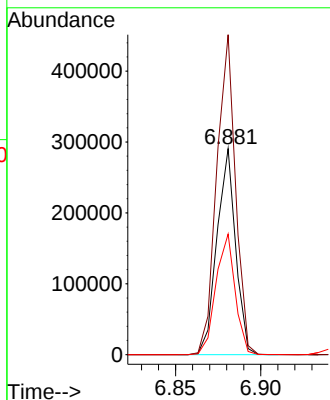
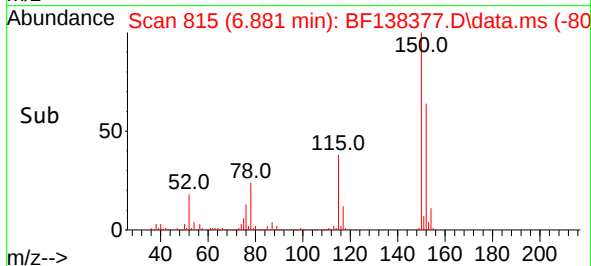
Instrument :
BNA_F
ClientSampleId :
1-N-1



Tgt Ion:152 Resp: 221890
Ion Ratio Lower Upper
152 100
150 155.3 125.0 187.4
115 58.6 48.4 72.6

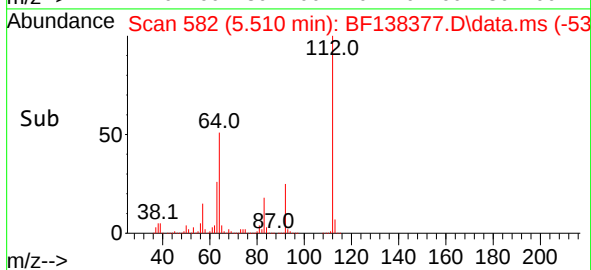
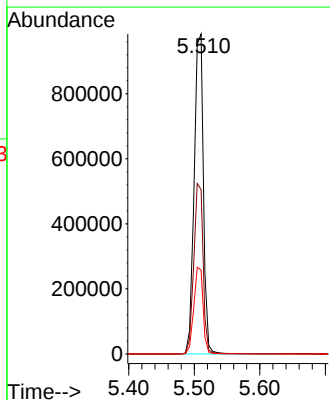
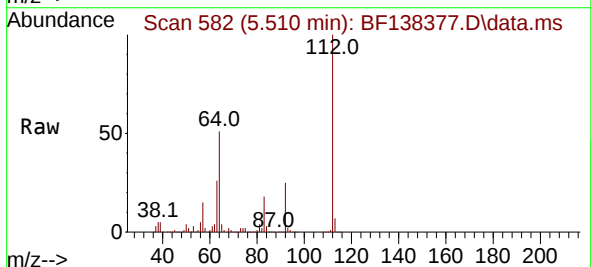
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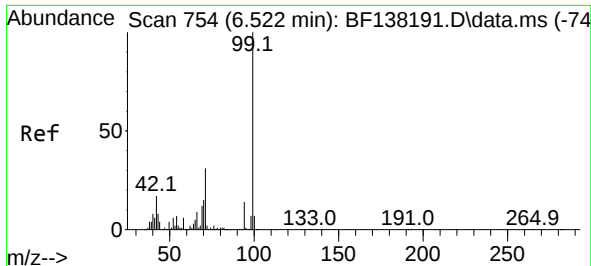
Reviewed By :Yogesh Patel 06/28/2024
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#5
2-Fluorophenol
Concen: 72.960 ng
RT: 5.510 min Scan# 582
Delta R.T. 0.000 min
Lab File: BF138377.D
Acq: 27 Jun 2024 20:39

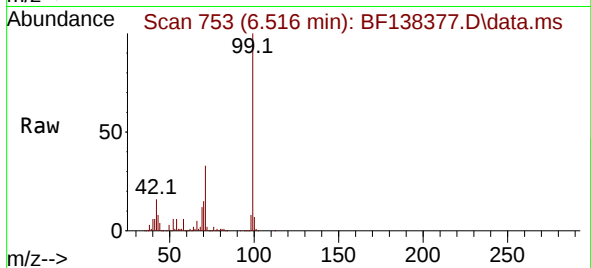
Tgt Ion:112 Resp: 967762
Ion Ratio Lower Upper
112 100
64 51.4 45.2 67.8
63 26.2 22.9 34.3





#7
Phenol-d6
Concen: 67.803 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138377.D
Acq: 27 Jun 2024 20:39

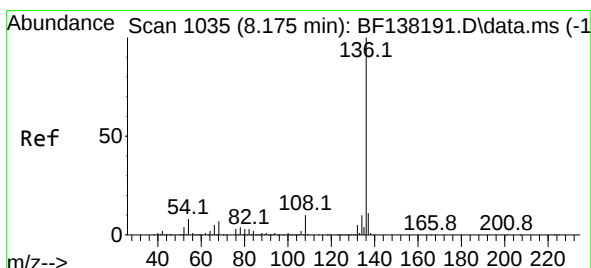
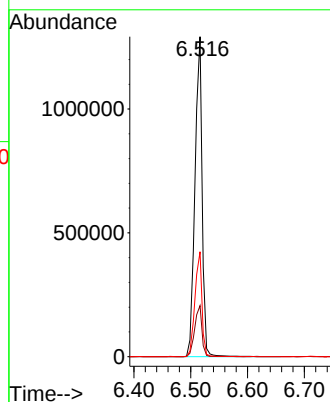
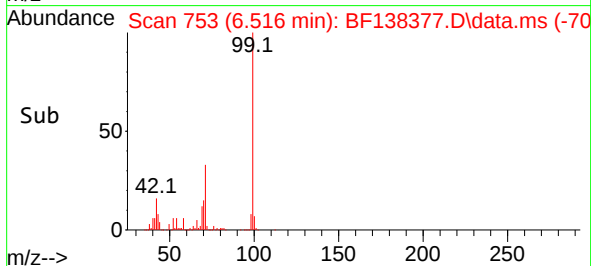
Instrument :
BNA_F
ClientSampleId :
1-N-1



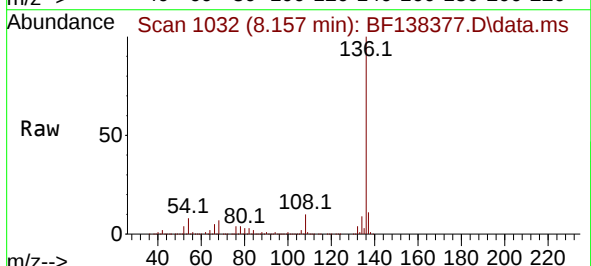
Tgt Ion: 99 Resp: 114043
Ion Ratio Lower Upper
99 100
42 15.9 13.7 20.5
71 32.8 25.0 37.6

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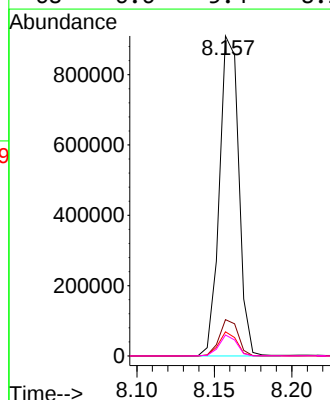
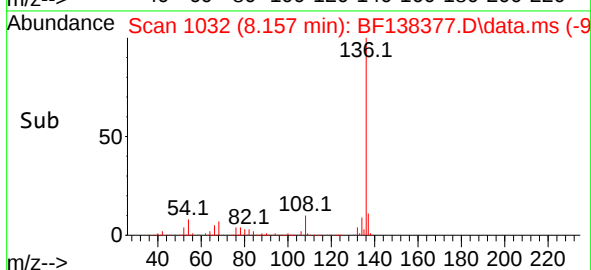
Reviewed By :Yogesh Patel 06/28/2024
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.018 min
Lab File: BF138377.D
Acq: 27 Jun 2024 20:39



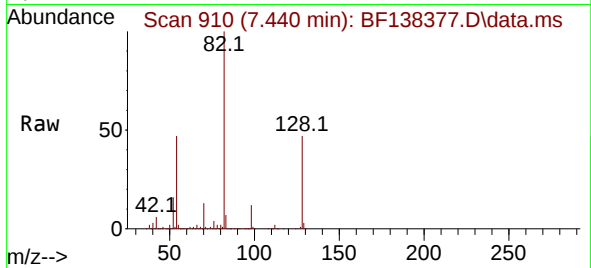
Tgt Ion:136 Resp: 790166
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 7.6 6.6 10.0
68 6.6 5.4 8.2





#23
Nitrobenzene-d5
Concen: 51.150 ng
RT: 7.440 min Scan# 913
Delta R.T. -0.018 min
Lab File: BF138377.D
Acq: 27 Jun 2024 20:39

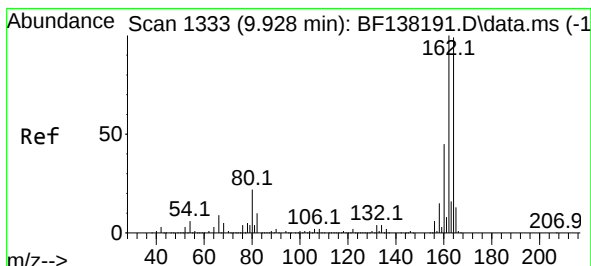
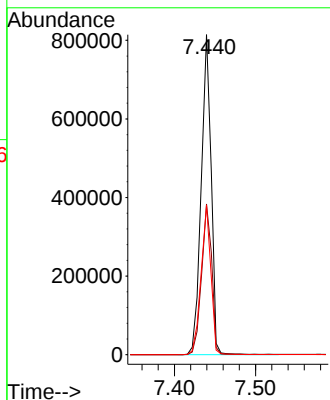
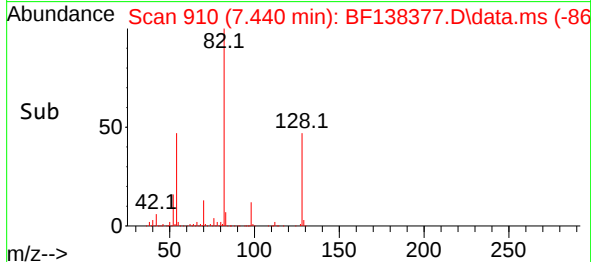
Instrument :
BNA_F
ClientSampleId :
1-N-1



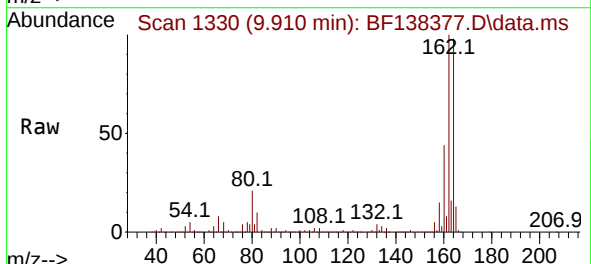
Tgt Ion: 82 Resp: 694250
Ion Ratio Lower Upper
82 100
128 47.1 37.2 55.8
54 46.8 39.8 59.6

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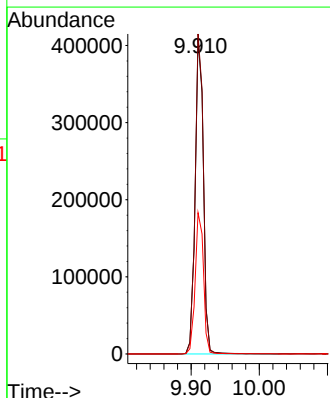
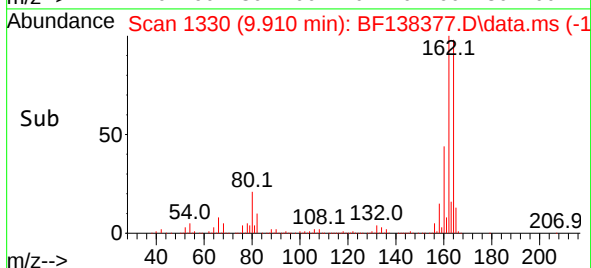
Reviewed By :Yogesh Patel 06/28/2024
Supervised By :Jagrut Upadhyay 06/28/2024

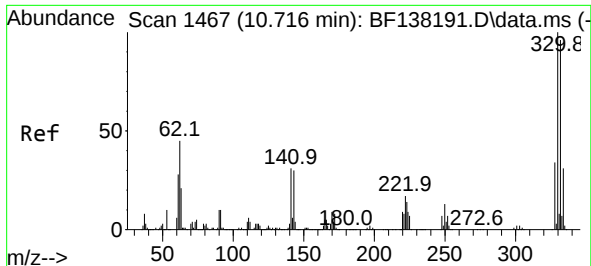


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.018 min
Lab File: BF138377.D
Acq: 27 Jun 2024 20:39



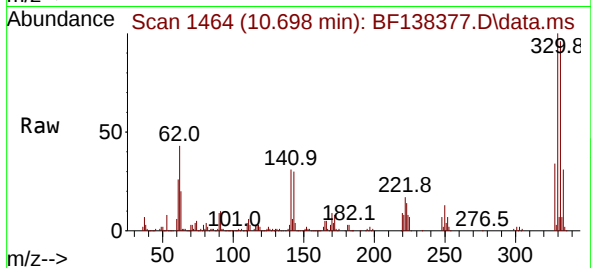
Tgt Ion:164 Resp: 343796
Ion Ratio Lower Upper
164 100
162 101.6 80.6 121.0
160 44.8 36.3 54.5





#42
2,4,6-Tribromophenol
Concen: 67.432 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.018 min
Lab File: BF138377.D
Acq: 27 Jun 2024 20:39

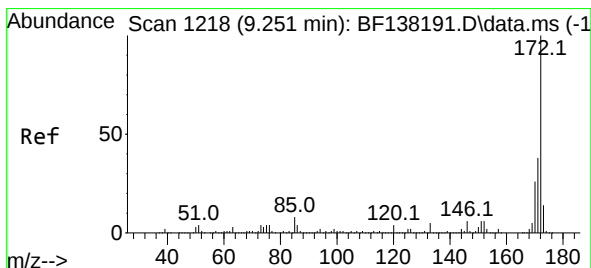
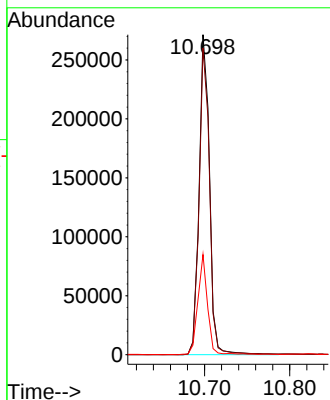
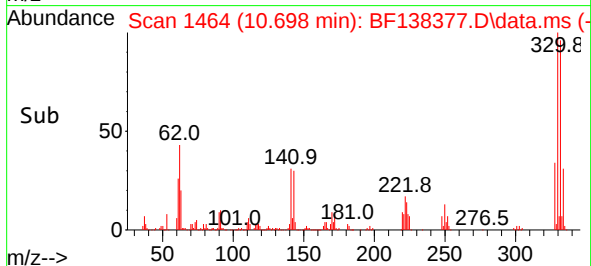
Instrument :
BNA_F
ClientSampleId :
1-N-1



Tgt Ion: 330 Resp: 230790
Ion Ratio Lower Upper
330 100
332 96.1 76.6 115.0
141 29.5 23.9 35.9

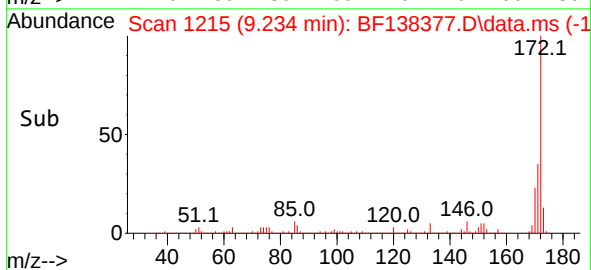
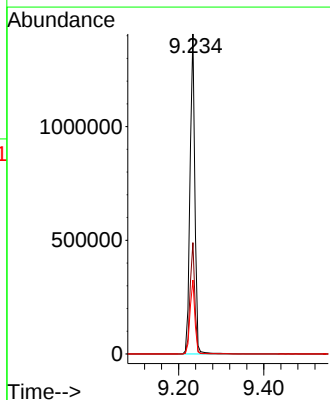
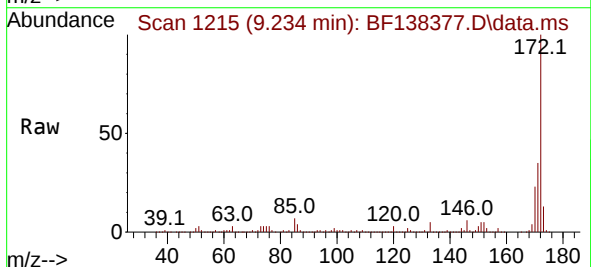
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#45
2-Fluorobiphenyl
Concen: 51.604 ng
RT: 9.234 min Scan# 1215
Delta R.T. -0.017 min
Lab File: BF138377.D
Acq: 27 Jun 2024 20:39

Tgt Ion: 172 Resp: 1115698
Ion Ratio Lower Upper
172 100
171 34.8 30.3 45.5
170 23.1 20.6 30.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1583

Delta R.T. -0.018 min

Lab File: BF138377.D

Acq: 27 Jun 2024 20:39

Instrument :

BNA_F

ClientSampleId :

1-N-1

Tgt Ion:188 Resp: 492210

Ion Ratio Lower Upper

188 100

94 8.6 7.6 11.4

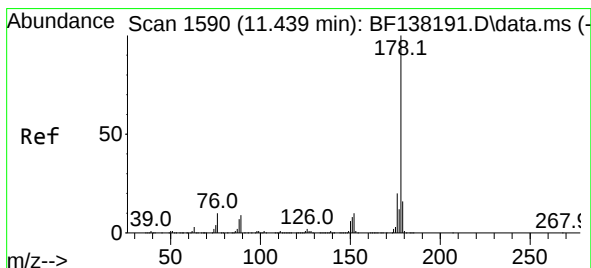
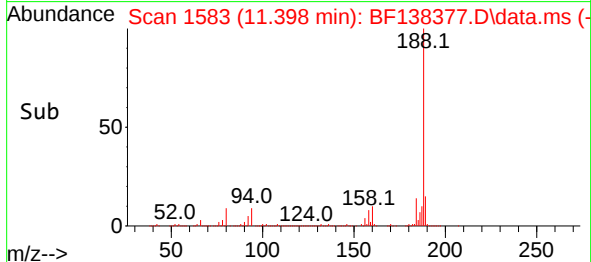
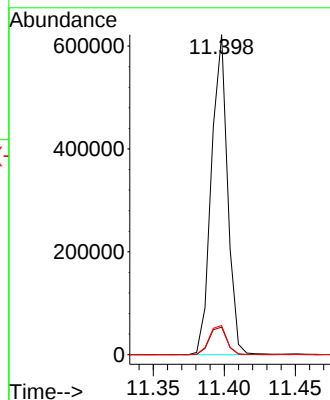
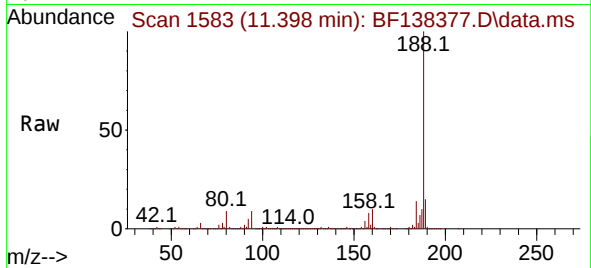
80 9.1 8.1 12.1

Manual Integrations

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#71

Phenanthrene

Concen: 10.748 ng

RT: 11.422 min Scan# 1587

Delta R.T. -0.018 min

Lab File: BF138377.D

Acq: 27 Jun 2024 20:39

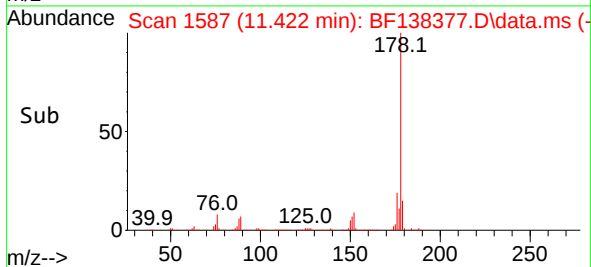
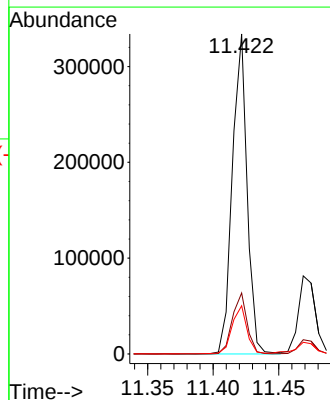
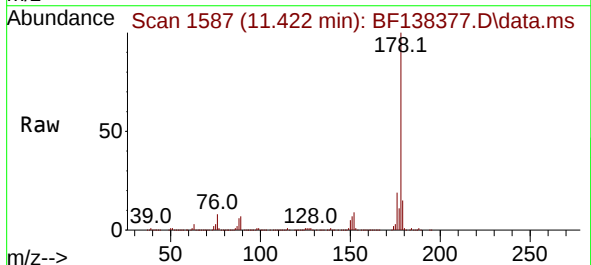
Tgt Ion:178 Resp: 261627

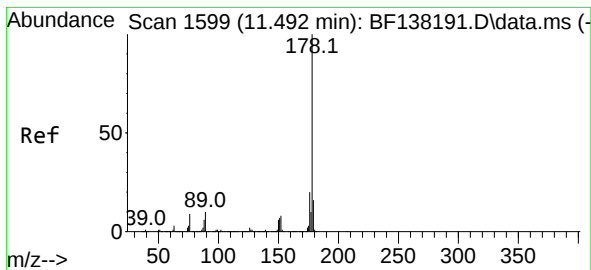
Ion Ratio Lower Upper

178 100

176 19.1 16.4 24.6

179 15.0 13.1 19.7





#72

Anthracene

Concen: 2.900 ng

RT: 11.469 min Scan# 11

Delta R.T. -0.024 min

Lab File: BF138377.D

Acq: 27 Jun 2024 20:39

Instrument :

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ClientSampleId :

1-N-1

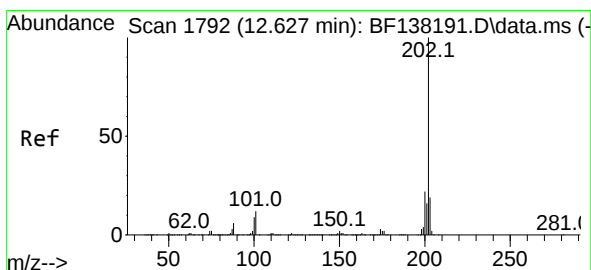
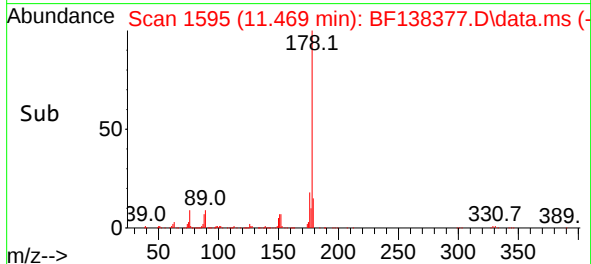
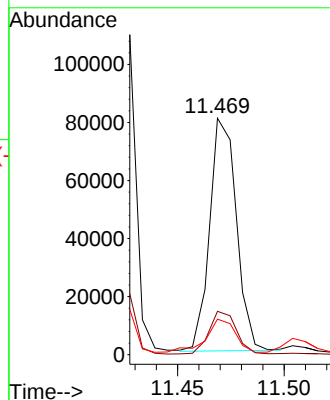
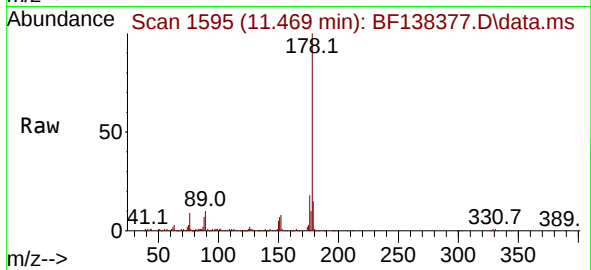
Tgt Ion:178 Resp: 70095
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.7 23.5
 179 15.0 13.0 19.6

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#75

Fluoranthene

Concen: 19.253 ng

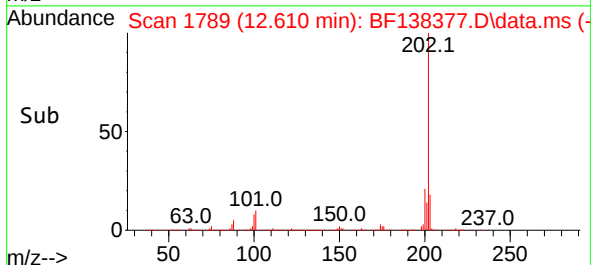
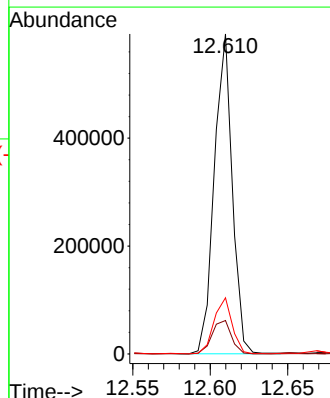
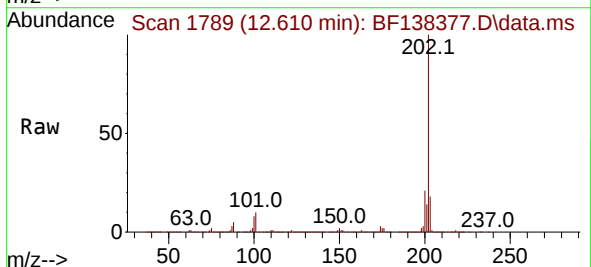
RT: 12.610 min Scan# 1789

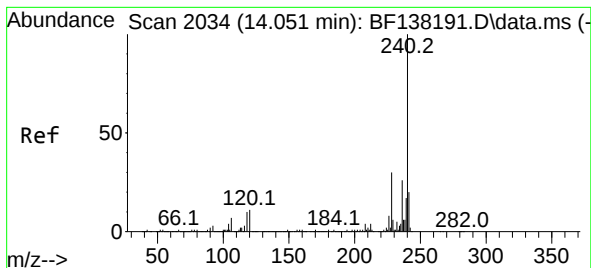
Delta R.T. -0.018 min

Lab File: BF138377.D

Acq: 27 Jun 2024 20:39

Tgt Ion:202 Resp: 477889
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 31.8
 203 17.6 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: BF138377.D

Acq: 27 Jun 2024 20:39

Instrument :

BNA_F

ClientSampleId :

1-N-1

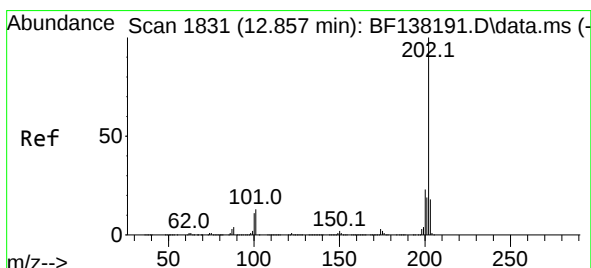
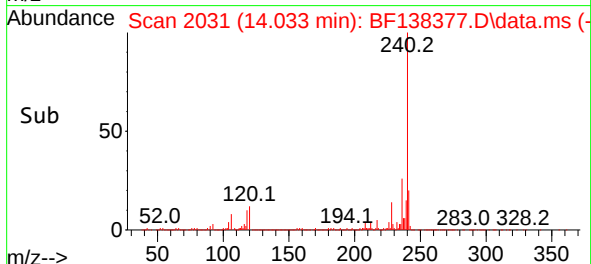
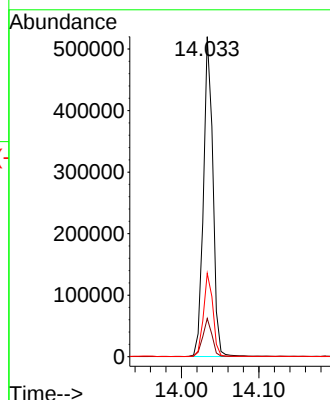
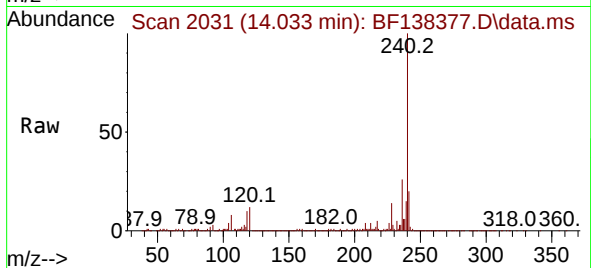
Tgt Ion:240 Resp: 43950
 Ion Ratio Lower Upper
 240 100
 120 12.0 9.2 13.8
 236 26.1 21.0 31.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 06/28/2024



#78

Pyrene

Concen: 11.134 ng

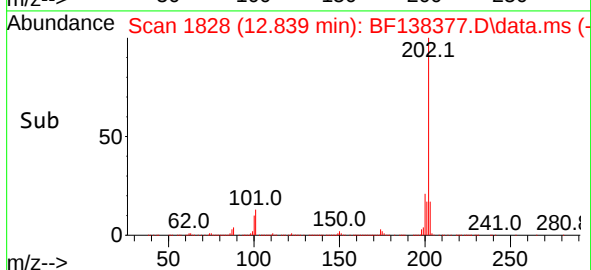
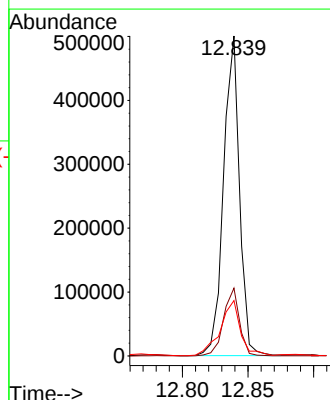
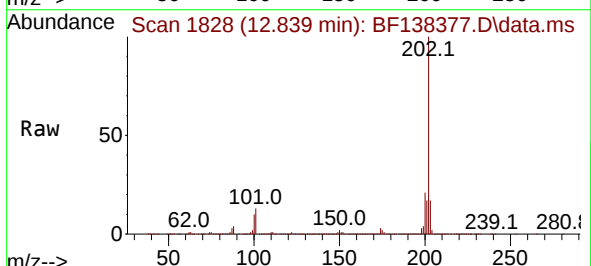
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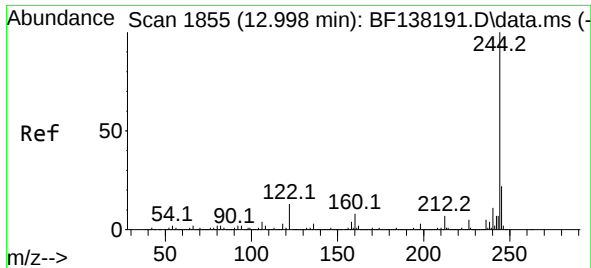
Delta R.T. -0.018 min

Lab File: BF138377.D

Acq: 27 Jun 2024 20:39

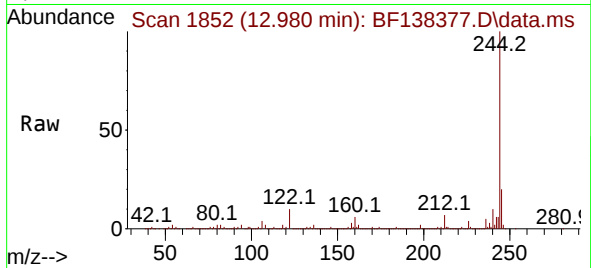
Tgt Ion:202 Resp: 422079
 Ion Ratio Lower Upper
 202 100
 200 21.2 18.0 27.0
 203 17.3 14.7 22.1





#79
 Terphenyl-d14
 Concen: 39.013 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. -0.018 min
 Lab File: BF138377.D
 Acq: 27 Jun 2024 20:39

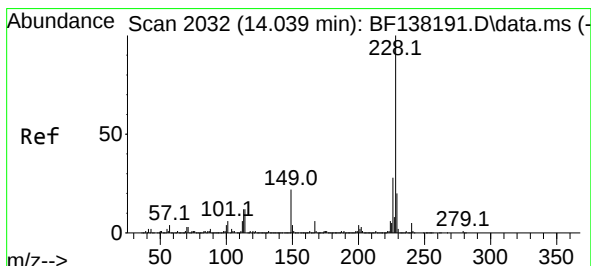
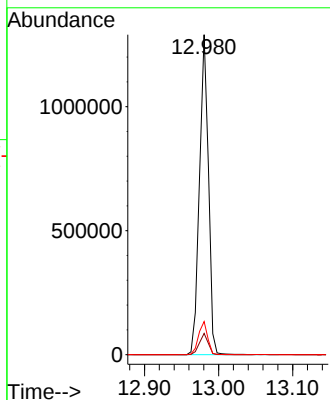
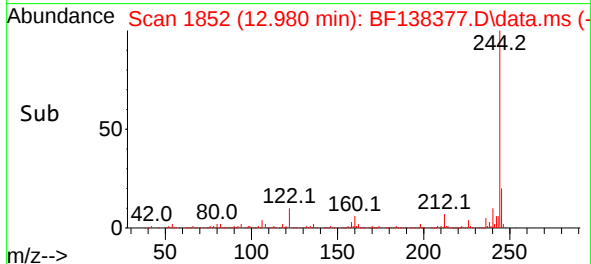
Instrument :
 BNA_F
 ClientSampleId :
 1-N-1



Tgt Ion:244 Resp: 1082590
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.9 8.9
 122 10.4 10.6 15.8

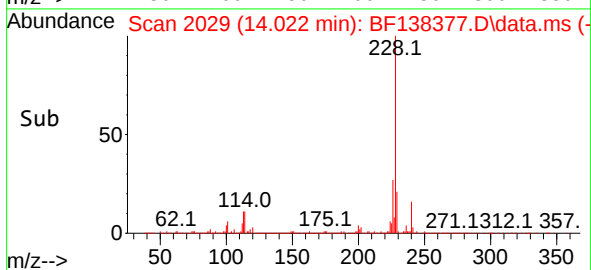
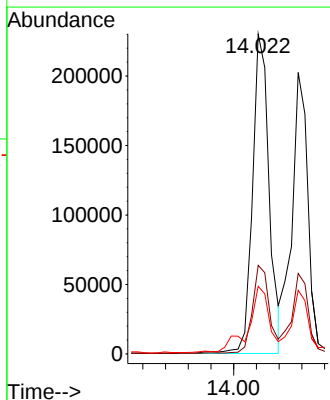
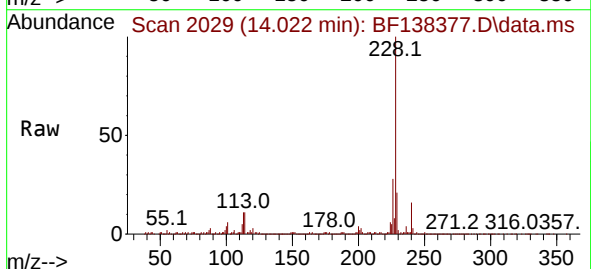
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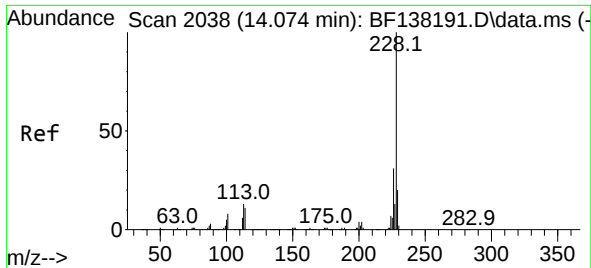
Reviewed By :Yogesh Patel 06/28/2024
 Supervised By :Jagrut Upadhyay 06/28/2024



#81
 Benzo(a)anthracene
 Concen: 8.302 ng
 RT: 14.022 min Scan# 2029
 Delta R.T. -0.018 min
 Lab File: BF138377.D
 Acq: 27 Jun 2024 20:39

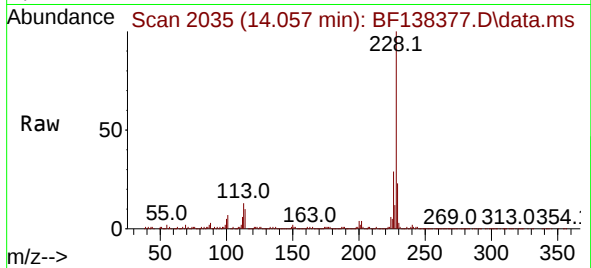
Tgt Ion:228 Resp: 234088
 Ion Ratio Lower Upper
 228 100
 226 27.7 22.5 33.7
 229 21.2 16.3 24.5





#83
Chrysene
Concen: 7.360 ng
RT: 14.057 min Scan# 2038
Delta R.T. -0.018 min
Lab File: BF138377.D
Acq: 27 Jun 2024 20:39

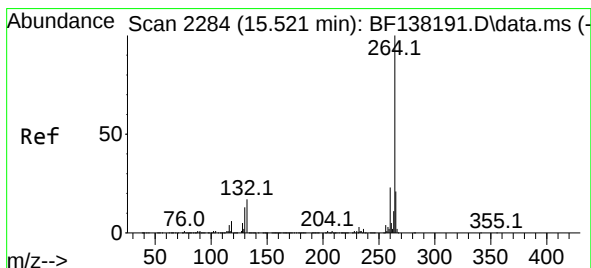
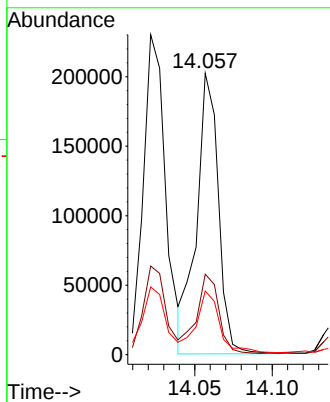
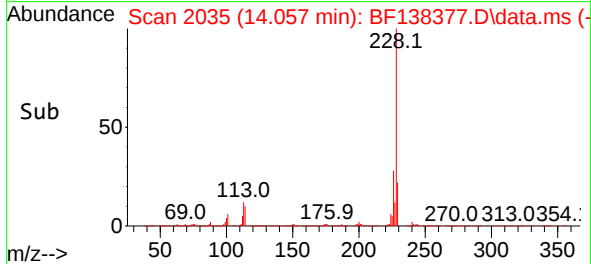
Instrument :
BNA_F
ClientSampleId :
1-N-1



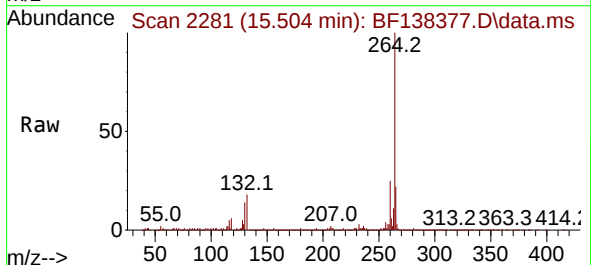
Tgt Ion:228 Resp: 197800
Ion Ratio Lower Upper
228 100
226 28.6 24.5 36.7
229 22.6 16.3 24.5

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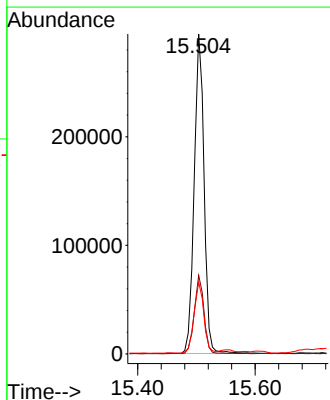
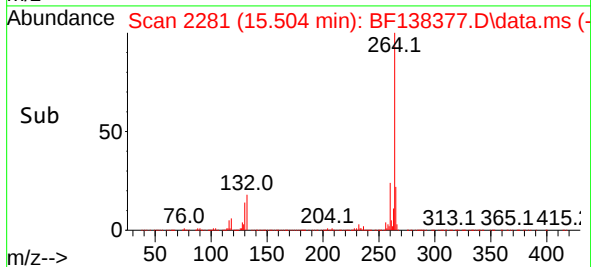
Reviewed By :Yogesh Patel 06/28/2024
Supervised By :Jagrut Upadhyay 06/28/2024

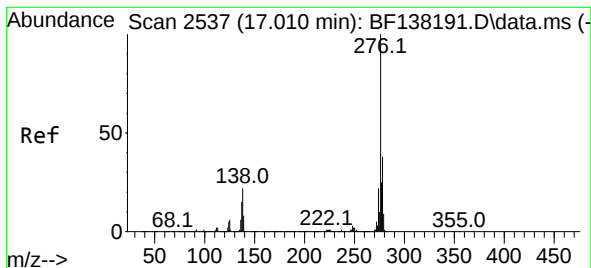


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2281
Delta R.T. -0.018 min
Lab File: BF138377.D
Acq: 27 Jun 2024 20:39



Tgt Ion:264 Resp: 342765
Ion Ratio Lower Upper
264 100
260 24.6 18.7 28.1
265 22.5 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.199 ng

RT: 16.968 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF138377.D

Acq: 27 Jun 2024 20:39

Instrument :

BNA_F

ClientSampleId :

1-N-1

Tgt Ion:276 Resp: 7147

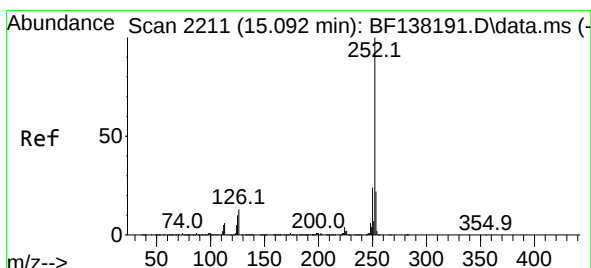
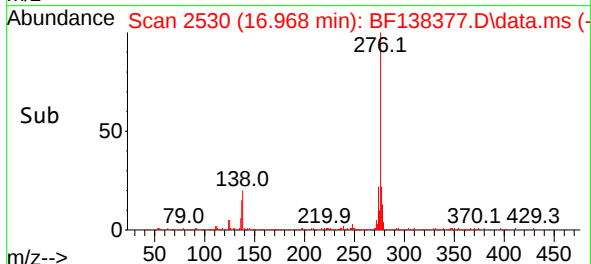
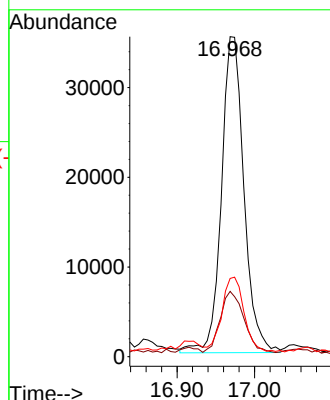
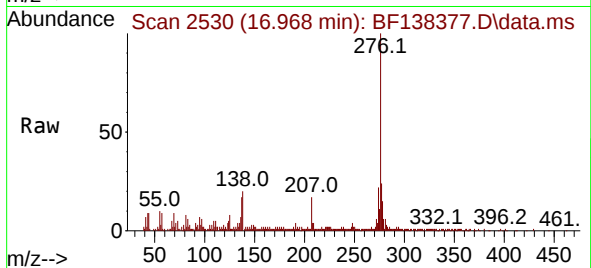
Ion	Ratio	Lower	Upper
276	100		
138	20.2	19.3	28.9
277	23.4	20.2	30.2

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: 9.789 ng m

RT: 15.074 min Scan# 2208

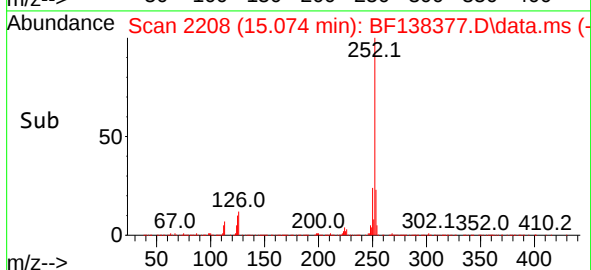
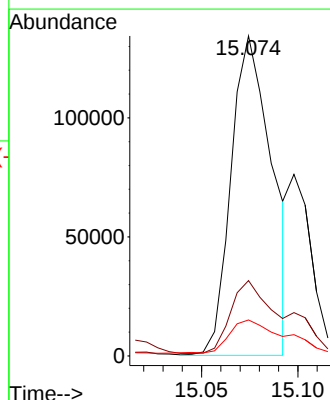
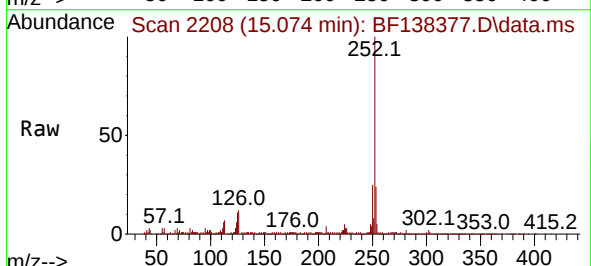
Delta R.T. -0.018 min

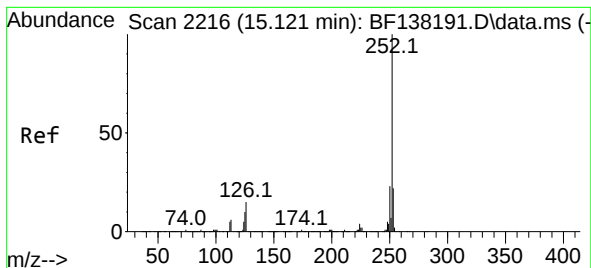
Lab File: BF138377.D

Acq: 27 Jun 2024 20:39

Tgt Ion:252 Resp: 197867

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.7	26.5
125	11.2	7.8	11.8





#89

Benzo(k)fluoranthene

Concen: 3.204 ng m

RT: 15.098 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF138377.D

Acq: 27 Jun 2024 20:39

Instrument :

BNA_F

ClientSampleId :

1-N-1

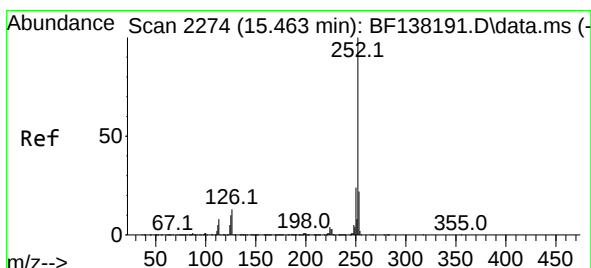
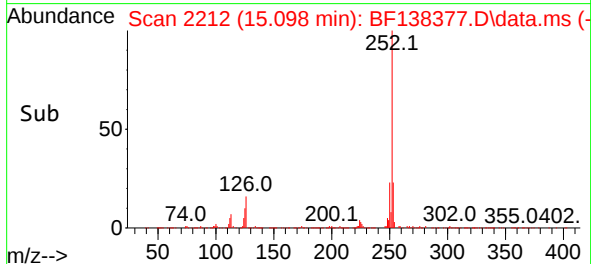
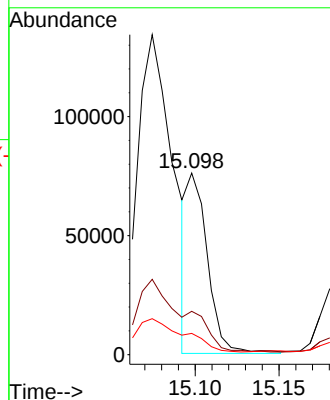
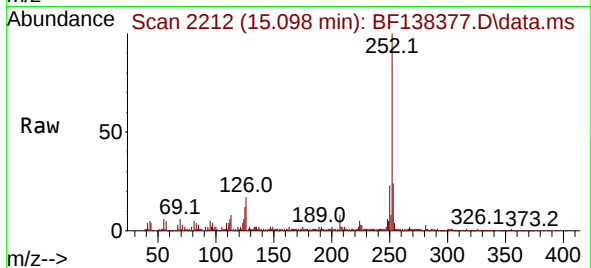
Tgt Ion:252 Resp: 63475
 Ion Ratio Lower Upper
 252 100
 253 23.9 17.8 26.8
 125 11.7 8.0 12.0

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: 7.341 ng

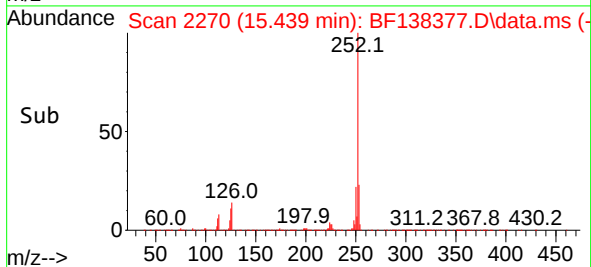
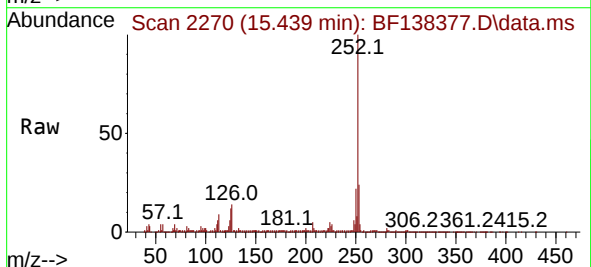
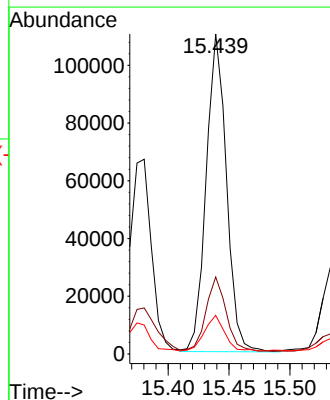
RT: 15.439 min Scan# 2270

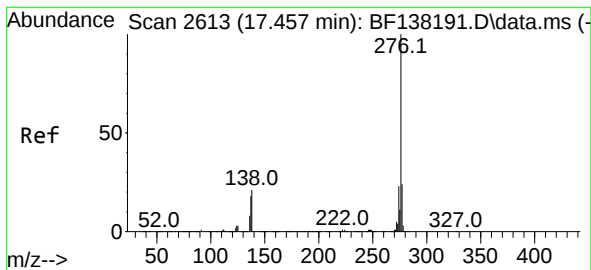
Delta R.T. -0.024 min

Lab File: BF138377.D

Acq: 27 Jun 2024 20:39

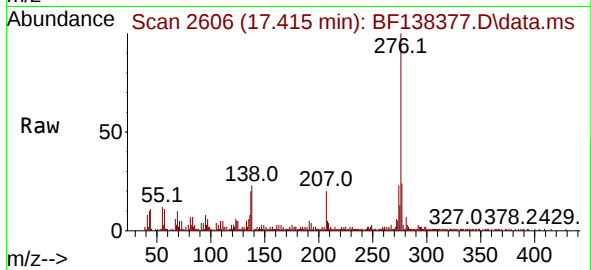
Tgt Ion:252 Resp: 127475
 Ion Ratio Lower Upper
 252 100
 253 24.1 17.7 26.5
 125 12.1 8.2 12.2





#92
 Benzo(g,h,i)perylene
 Concen: 3.329 ng
 RT: 17.415 min Scan# 20
 Delta R.T. -0.041 min
 Lab File: BF138377.D
 Acq: 27 Jun 2024 20:39

Instrument :
 BNA_F
 ClientSampleId :
 1-N-1



Tgt Ion:276 Resp: 6315
 Ion Ratio Lower Upper
 276 100
 277 24.5 19.5 29.3
 138 22.7 16.6 24.8

Manual Integrations
 APPROVED

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

