

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062724\
 Data File : BF138375.D
 Acq On : 27 Jun 2024 19:39
 Operator : CG\JU
 Sample : P3053-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1A

Manual Integrations
 APPROVED

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

Quant Time: Jun 28 01:13:30 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	229623	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	827555	20.000	ng	-0.02
39) Acenaphthene-d10	9.910	164	369416	20.000	ng	-0.02
64) Phenanthrene-d10	11.398	188	509171	20.000	ng	-0.02
76) Chrysene-d12	14.033	240	452688	20.000	ng	-0.02
86) Perylene-d12	15.504	264	358955	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1053806	76.771	ng	0.00
7) Phenol-d6	6.516	99	1244992	71.527	ng	0.00
23) Nitrobenzene-d5	7.439	82	770751	54.220	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	247752	67.368	ng	-0.02
45) 2-Fluorobiphenyl	9.233	172	1237862	53.284	ng	-0.02
79) Terphenyl-d14	12.980	244	1073009	37.542	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	72911	2.896	ng	97
75) Fluoranthene	12.610	202	119589	4.657	ng	96
78) Pyrene	12.839	202	105566	2.704	ng	95
81) Benzo(a)anthracene	14.021	228	58506	2.015	ng	97
88) Benzo(b)fluoranthene	15.074	252	57526m	2.718	ng	

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

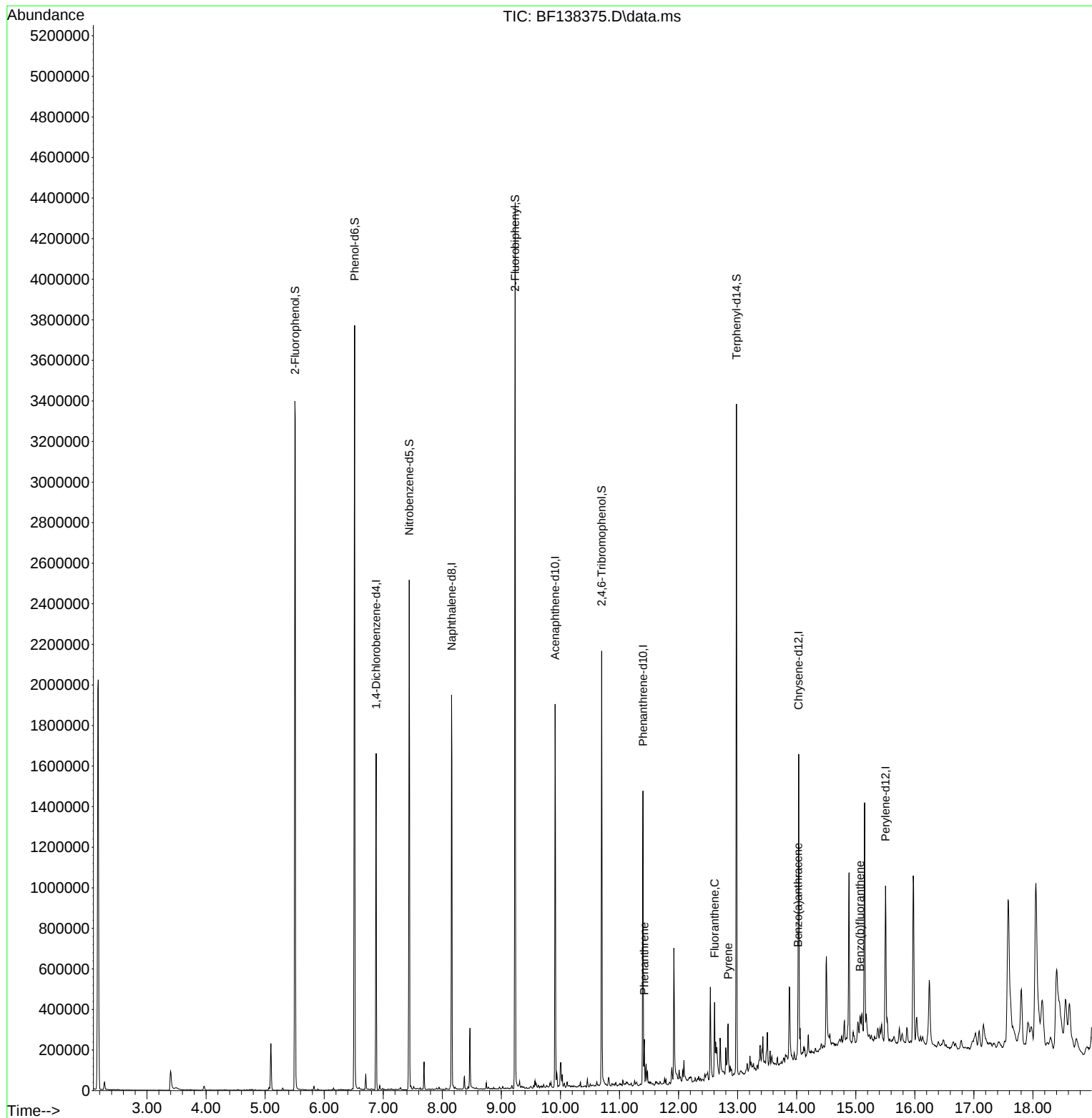
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062724\
Data File : BF138375.D
Acq On : 27 Jun 2024 19:39
Operator : CG\JU
Sample : P3053-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

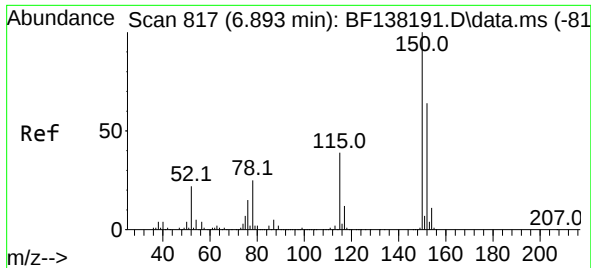
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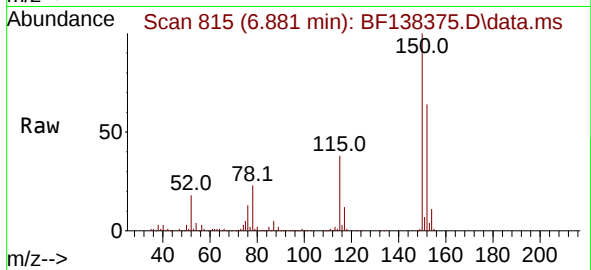
Quant Time: Jun 28 01:13:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 01:52:47 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 817
Delta R.T. -0.012 min
Lab File: BF138375.D
Acq: 27 Jun 2024 19:39

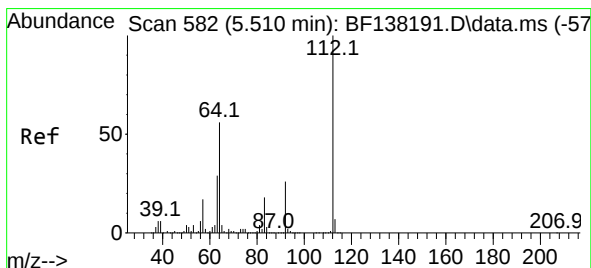
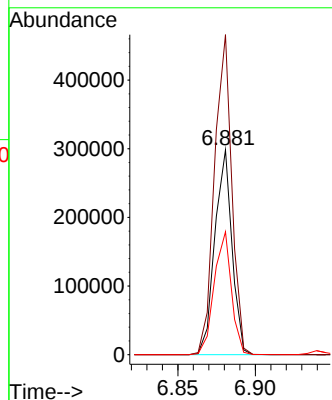
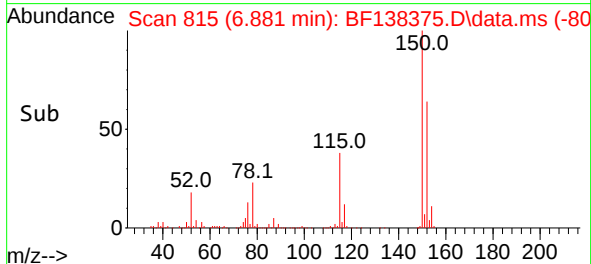
Instrument :
BNA_F
ClientSampleId :
1A



Tgt Ion:152 Resp: 22962
Ion Ratio Lower Upper
152 100
150 156.3 125.0 187.4
115 60.0 48.4 72.6

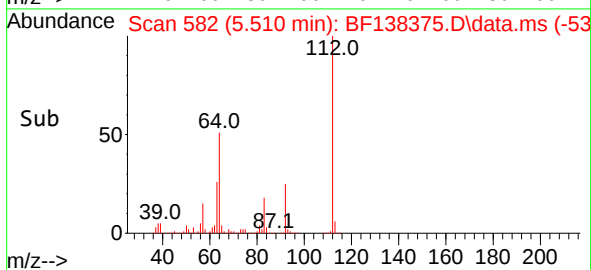
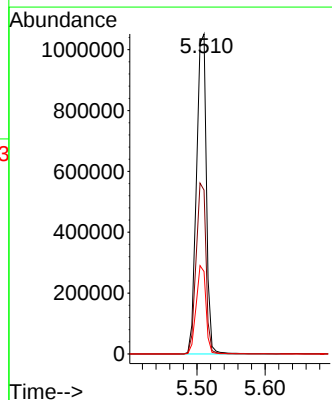
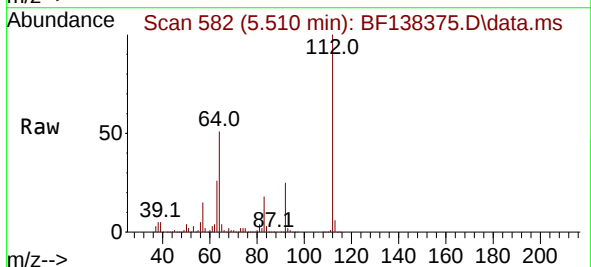
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#5
2-Fluorophenol
Concen: 76.771 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.000 min
Lab File: BF138375.D
Acq: 27 Jun 2024 19:39

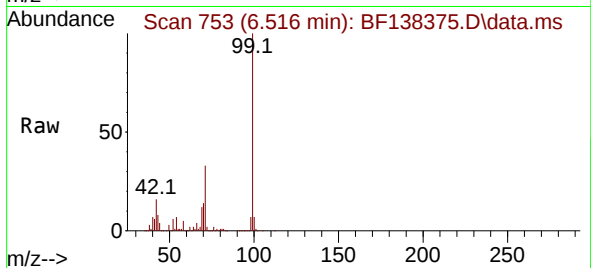
Tgt Ion:112 Resp: 1053806
Ion Ratio Lower Upper
112 100
64 51.2 45.2 67.8
63 25.7 22.9 34.3





#7
Phenol-d6
Concen: 71.527 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138375.D
Acq: 27 Jun 2024 19:39

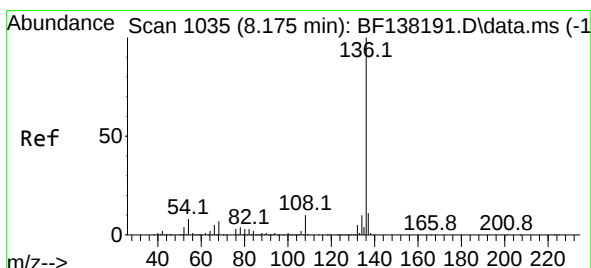
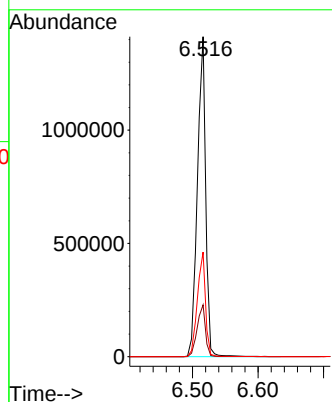
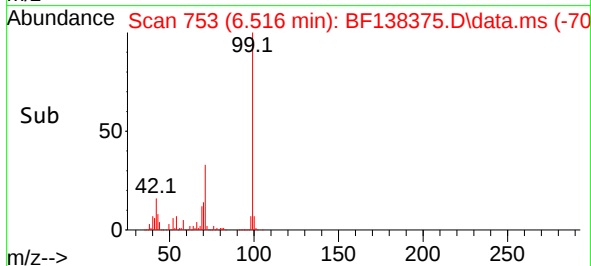
Instrument :
BNA_F
ClientSampleId :
1A



Tgt Ion: 99 Resp: 1244992
Ion Ratio Lower Upper
99 100
42 16.2 13.7 20.5
71 32.7 25.0 37.6

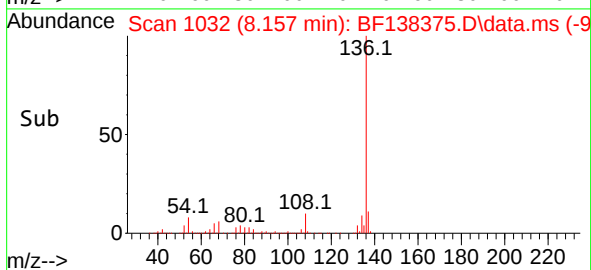
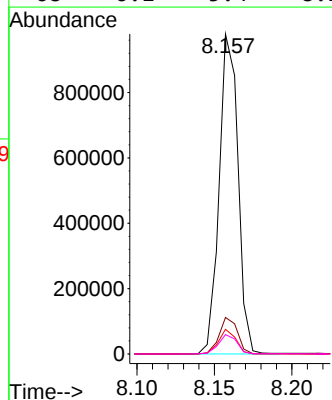
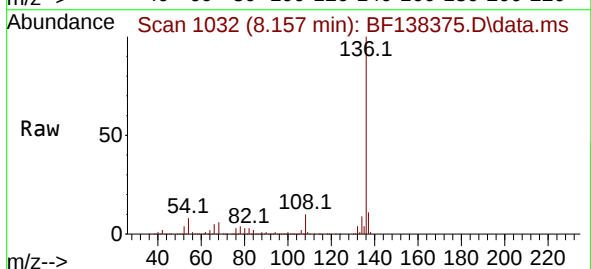
Manual Integrations
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Reviewed By :Yogesh Patel 06/28/2024
Supervised By :Jagrut Upadhyay 06/28/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.018 min
Lab File: BF138375.D
Acq: 27 Jun 2024 19:39

Tgt Ion:136 Resp: 827555
Ion Ratio Lower Upper
136 100
137 11.4 9.1 13.7
54 7.7 6.6 10.0
68 6.1 5.4 8.2





#23

Nitrobenzene-d5

Concen: 54.220 ng

RT: 7.439 min Scan# 91

Delta R.T. -0.018 min

Lab File: BF138375.D

Acq: 27 Jun 2024 19:39

Instrument :

BNA_F

ClientSampleId :

1A

Tgt Ion: 82 Resp: 77075

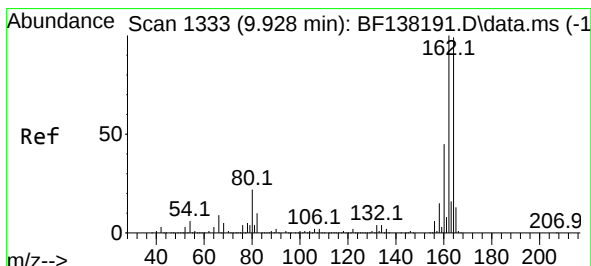
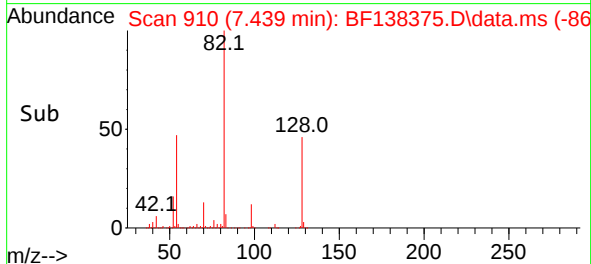
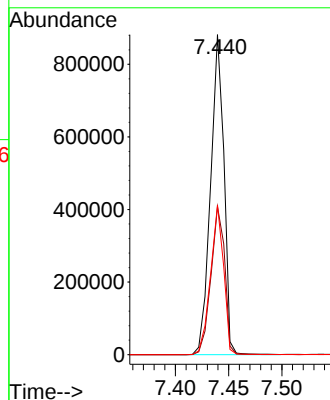
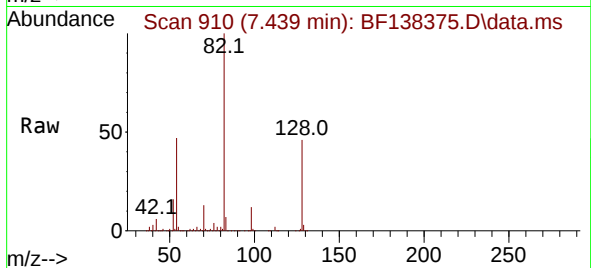
Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.2	55.8
54	46.8	39.8	59.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1330

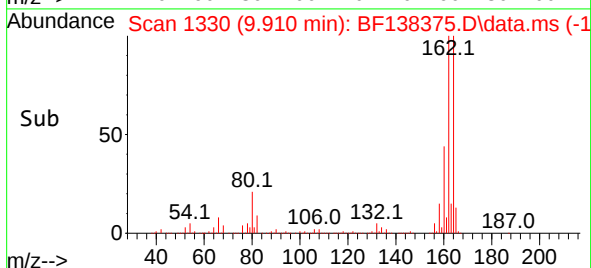
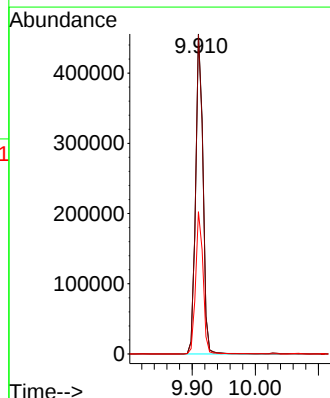
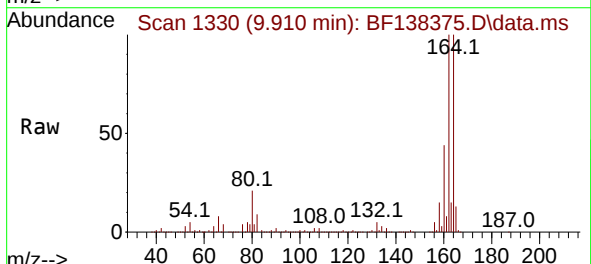
Delta R.T. -0.018 min

Lab File: BF138375.D

Acq: 27 Jun 2024 19:39

Tgt Ion:164 Resp: 369416

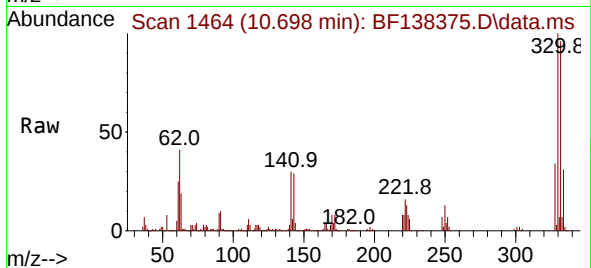
Ion	Ratio	Lower	Upper
164	100		
162	99.7	80.6	121.0
160	44.5	36.3	54.5





#42
2,4,6-Tribromophenol
Concen: 67.368 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.018 min
Lab File: BF138375.D
Acq: 27 Jun 2024 19:39

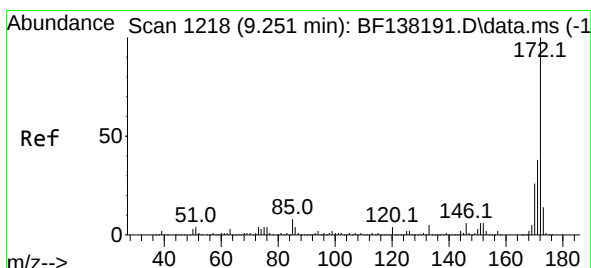
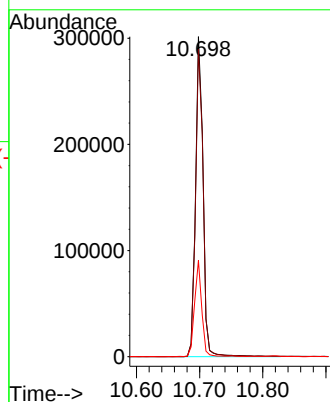
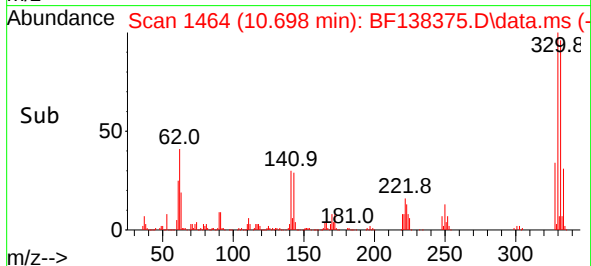
Instrument :
BNA_F
ClientSampleId :
1A



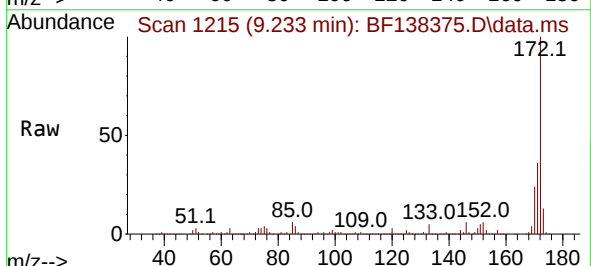
Tgt Ion: 330 Resp: 247752
Ion Ratio Lower Upper
330 100
332 96.7 76.6 115.0
141 29.2 23.9 35.9

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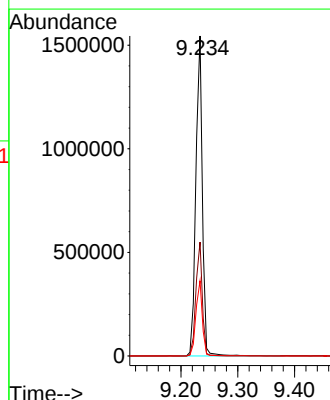
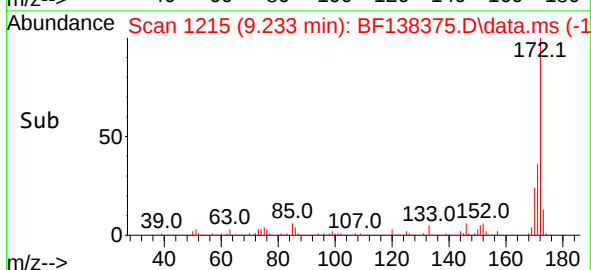
Reviewed By : Yogesh Patel 06/28/2024
Supervised By : Jagrut Upadhyay 06/28/2024



#45
2-Fluorobiphenyl
Concen: 53.284 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.018 min
Lab File: BF138375.D
Acq: 27 Jun 2024 19:39



Tgt Ion: 172 Resp: 1237862
Ion Ratio Lower Upper
172 100
171 35.6 30.3 45.5
170 23.5 20.6 30.8





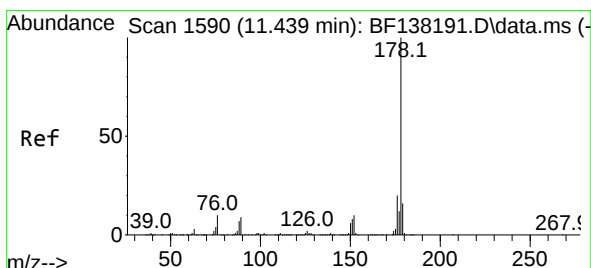
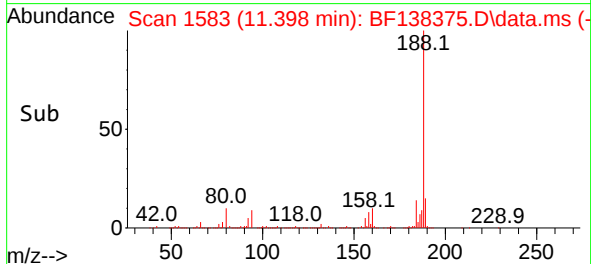
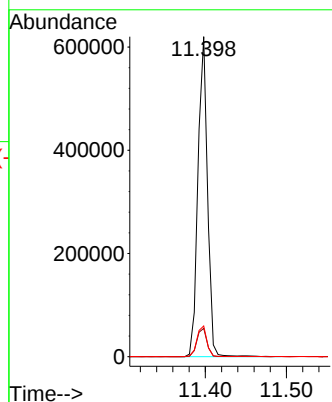
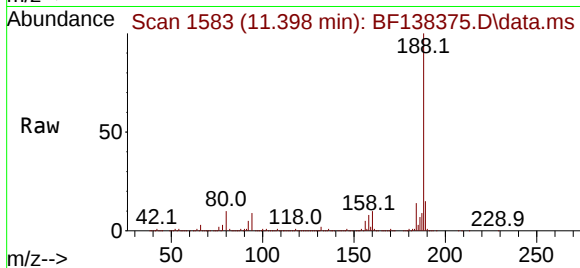
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF138375.D
Acq: 27 Jun 2024 19:39

Instrument :
BNA_F
ClientSampleId :
1A

Tgt Ion:188 Resp: 50917
Ion Ratio Lower Upper
188 100
94 8.8 7.6 11.4
80 9.6 8.1 12.1

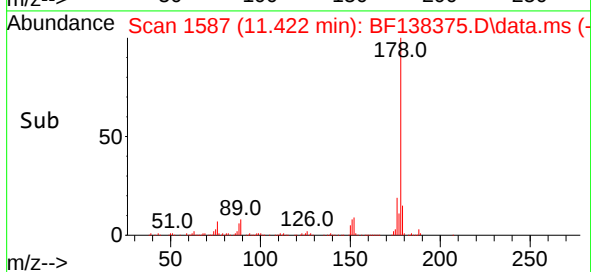
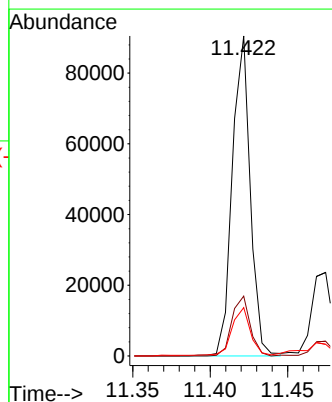
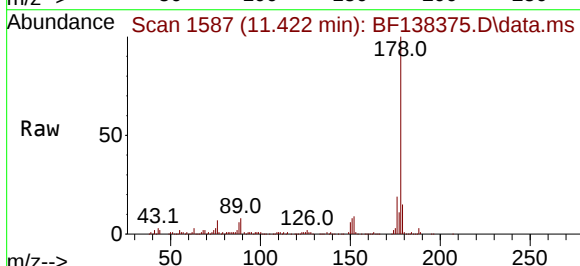
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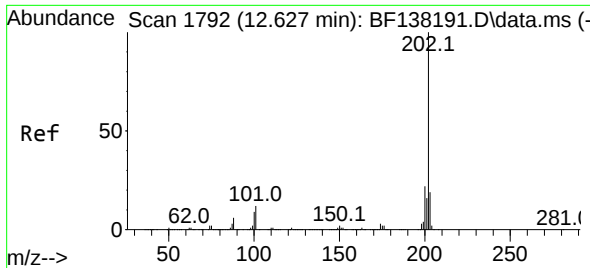
Reviewed By :Yogesh Patel 06/28/2024
Supervised By :Jagrut Upadhyay 06/28/2024



#71
Phenanthrene
Concen: 2.896 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.018 min
Lab File: BF138375.D
Acq: 27 Jun 2024 19:39

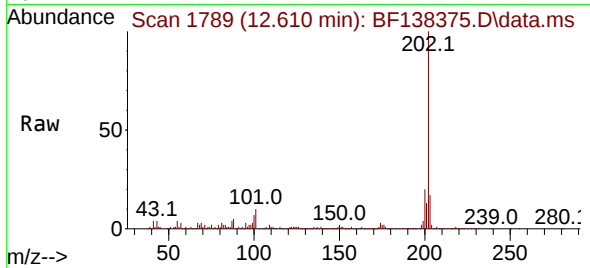
Tgt Ion:178 Resp: 72911
Ion Ratio Lower Upper
178 100
176 18.7 16.4 24.6
179 15.1 13.1 19.7





#75
Fluoranthene
Concen: 4.657 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.018 min
Lab File: BF138375.D
Acq: 27 Jun 2024 19:39

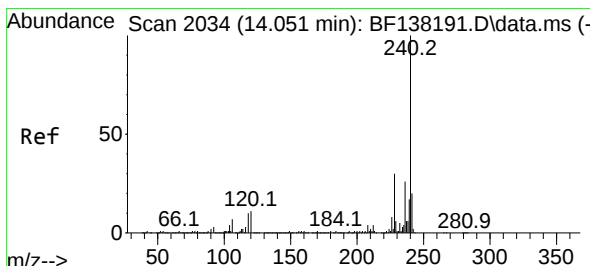
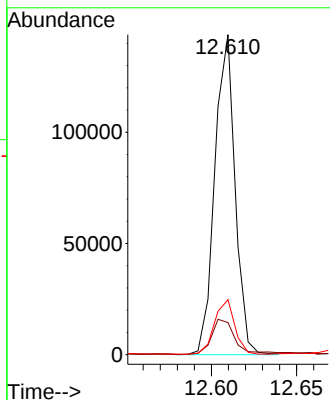
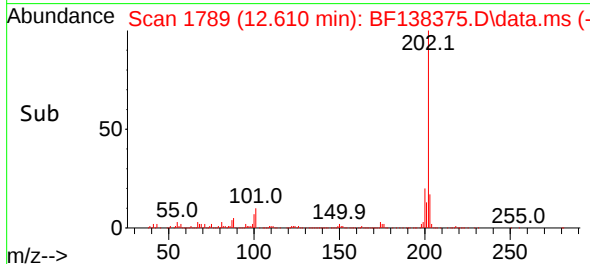
Instrument :
BNA_F
ClientSampleId :
1A



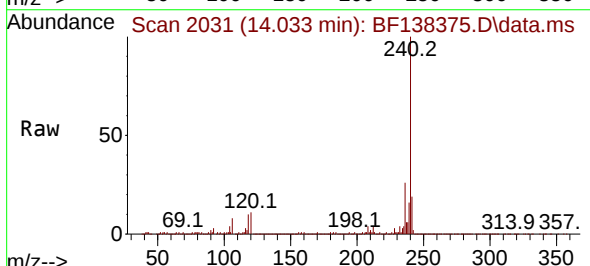
Tgt Ion:202 Resp: 119589
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.8
203 17.2 0.0 38.6

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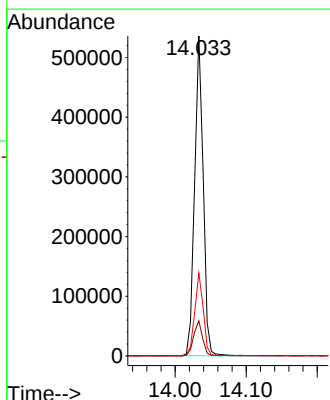
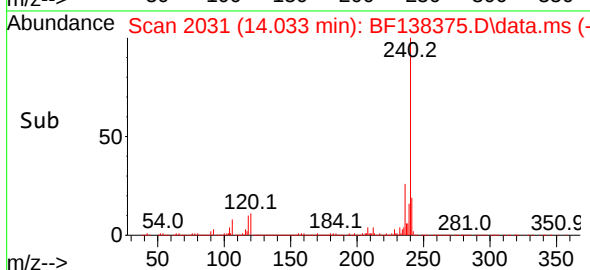
Reviewed By :Yogesh Patel 06/28/2024
Supervised By :Jagrut Upadhyay 06/28/2024

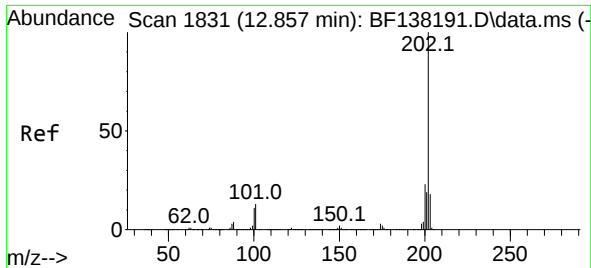


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.018 min
Lab File: BF138375.D
Acq: 27 Jun 2024 19:39



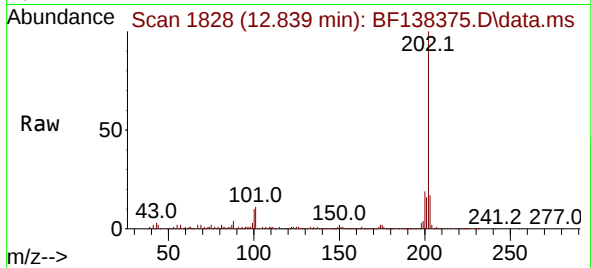
Tgt Ion:240 Resp: 452688
Ion Ratio Lower Upper
240 100
120 11.0 9.2 13.8
236 26.0 21.0 31.6





#78
Pyrene
Concen: 2.704 ng
RT: 12.839 min Scan# 1828
Delta R.T. -0.018 min
Lab File: BF138375.D
Acq: 27 Jun 2024 19:39

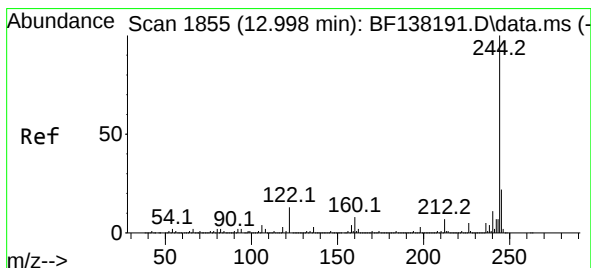
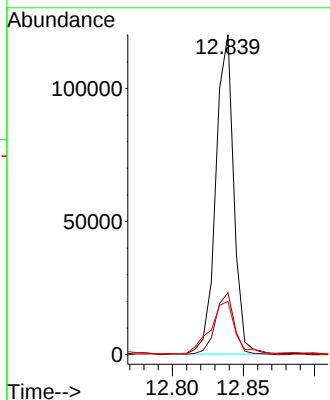
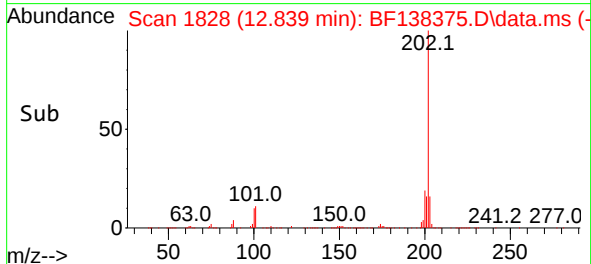
Instrument :
BNA_F
ClientSampleId :
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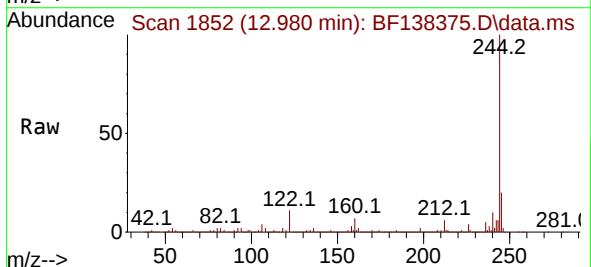
Tgt Ion:202 Resp: 105560
Ion Ratio Lower Upper
202 100
200 19.4 18.0 27.0
203 16.6 14.7 22.1

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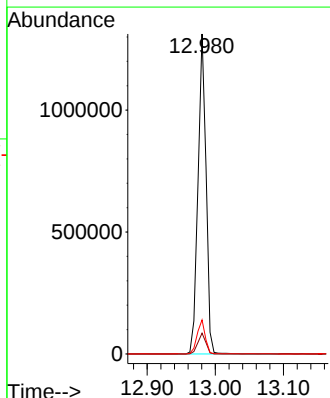
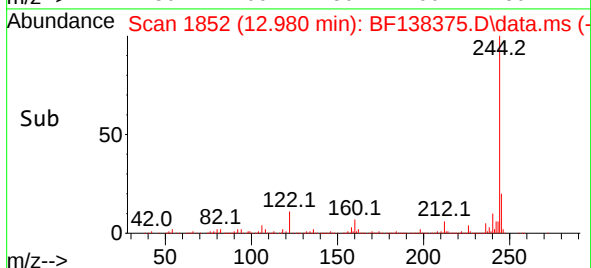
Reviewed By :Yogesh Patel 06/28/2024
Supervised By :Jagrut Upadhyay 06/28/2024

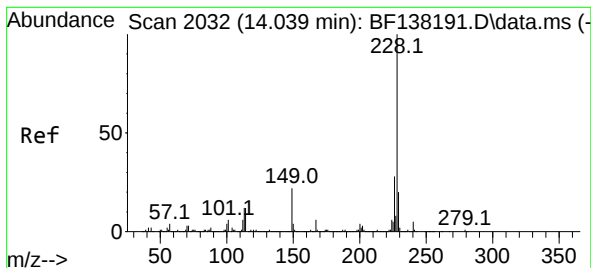


#79
Terphenyl-d14
Concen: 37.542 ng
RT: 12.980 min Scan# 1852
Delta R.T. -0.018 min
Lab File: BF138375.D
Acq: 27 Jun 2024 19:39



Tgt Ion:244 Resp: 1073009
Ion Ratio Lower Upper
244 100
212 6.5 5.9 8.9
122 10.7 10.6 15.8





#81

Benzo(a)anthracene

Concen: 2.015 ng

RT: 14.021 min Scan# 2032

Delta R.T. -0.018 min

Lab File: BF138375.D

Acq: 27 Jun 2024 19:39

Instrument :

BNA_F

ClientSampleId :

1A

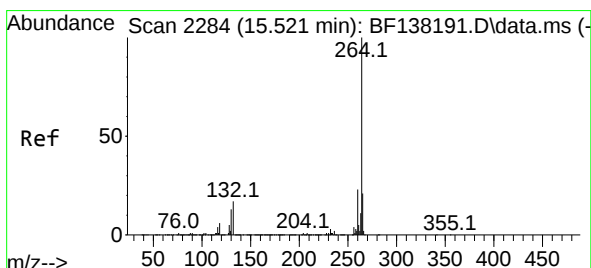
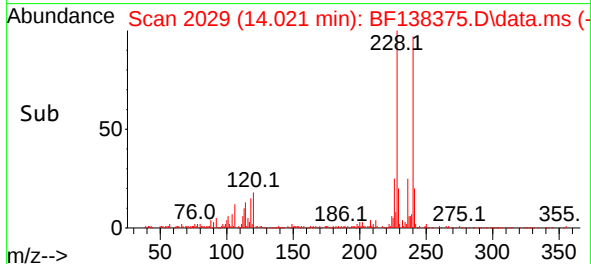
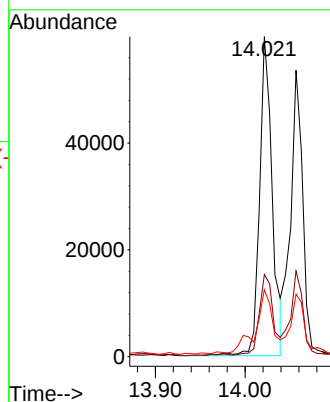
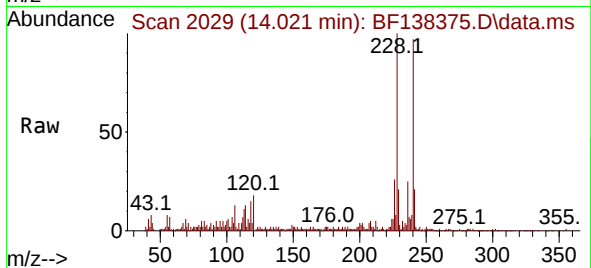
Tgt Ion:228	Resp: 58500
Ion Ratio	Lower Upper
228 100	
226 25.7	22.5 33.7
229 20.9	16.3 24.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2024

Supervised By :Jagrut Upadhyay 06/28/2024



#86

Perylene-d12

Concen: 20.000 ng

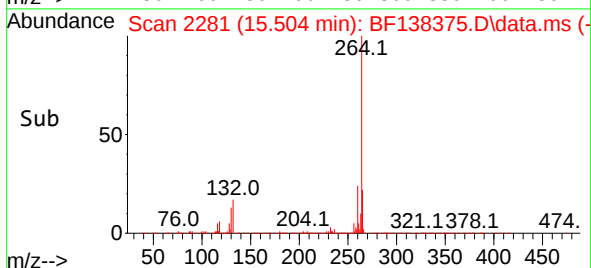
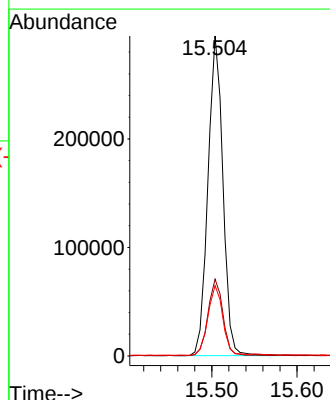
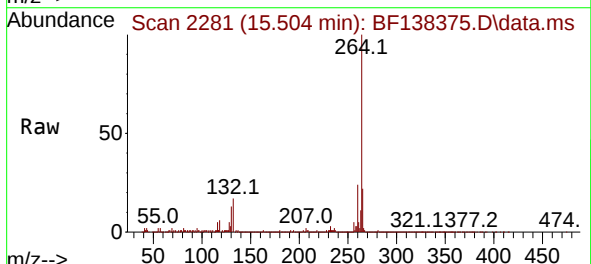
RT: 15.504 min Scan# 2281

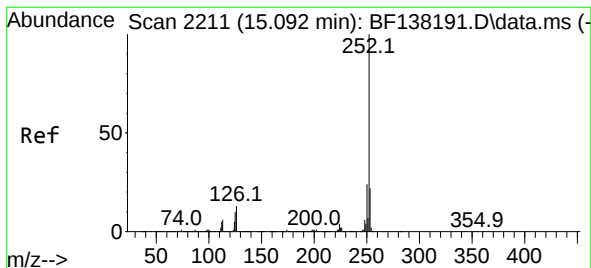
Delta R.T. -0.018 min

Lab File: BF138375.D

Acq: 27 Jun 2024 19:39

Tgt Ion:264	Resp: 358955
Ion Ratio	Lower Upper
264 100	
260 24.0	18.7 28.1
265 22.0	17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 2.718 ng m

RT: 15.074 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF138375.D

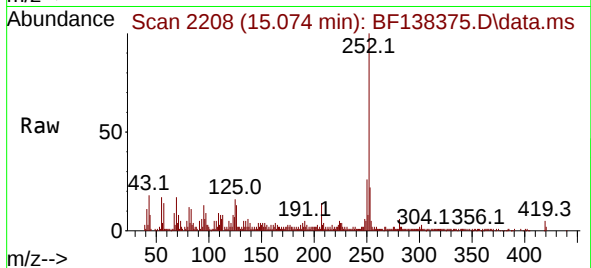
Acq: 27 Jun 2024 19:39

Instrument :

BNA_F

ClientSampleId :

1A



Tgt Ion:252 Resp: 57520

Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 15.5 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2024

Supervised By :Jagrut Upadhyay 06/28/2024

