

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062724\
 Data File : BF138373.D
 Acq On : 27 Jun 2024 18:39
 Operator : CG\JU
 Sample : P3076-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 7-N-1

Quant Time: Jun 28 01:12:49 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 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	225950	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	829504	20.000	ng	-0.02
39) Acenaphthene-d10	9.910	164	383515	20.000	ng	-0.02
64) Phenanthrene-d10	11.398	188	517763	20.000	ng	-0.02
76) Chrysene-d12	14.033	240	448921	20.000	ng	-0.02
86) Perylene-d12	15.504	264	365001	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	952479	70.517	ng	0.00
7) Phenol-d6	6.516	99	1158375	67.632	ng	0.00
23) Nitrobenzene-d5	7.439	82	717535	50.358	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	235488	61.679	ng	-0.02
45) 2-Fluorobiphenyl	9.233	172	1332149	55.234	ng	-0.02
79) Terphenyl-d14	12.980	244	1152350	40.656	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	52781	2.061	ng	95
75) Fluoranthene	12.610	202	126430	4.842	ng	97
78) Pyrene	12.839	202	123779	3.197	ng	97
81) Benzo(a)anthracene	14.021	228	71780	2.492	ng	99
83) Chrysene	14.057	228	63867	2.326	ng	97
88) Benzo(b)fluoranthene	15.074	252	74584m	3.465	ng	
90) Benzo(a)pyrene	15.439	252	44272	2.394	ng	# 96

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

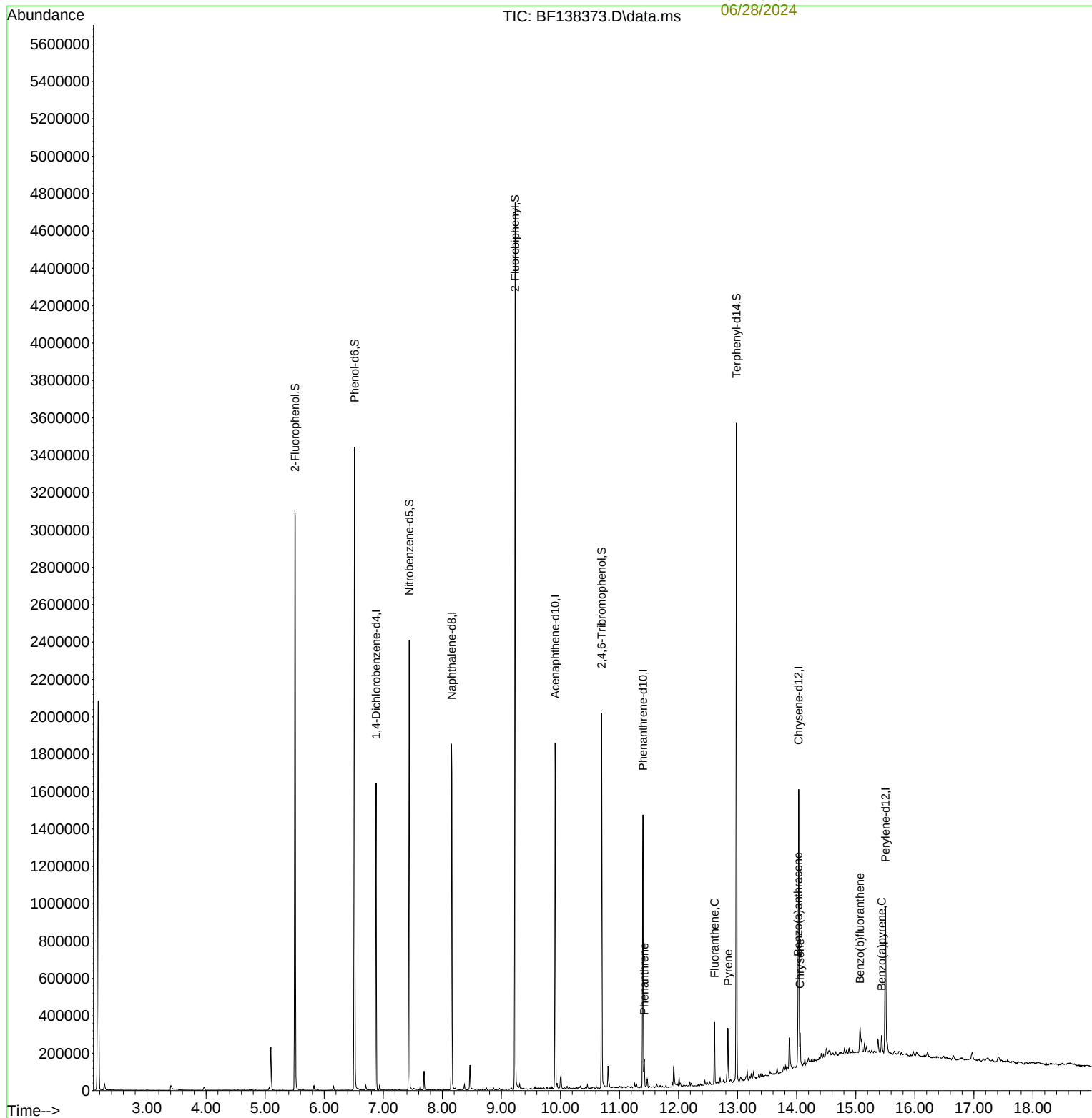
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062724\
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Quant Time: Jun 28 01:12:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 01:52:47 2024
Response via : Initial Calibration

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APPROVED

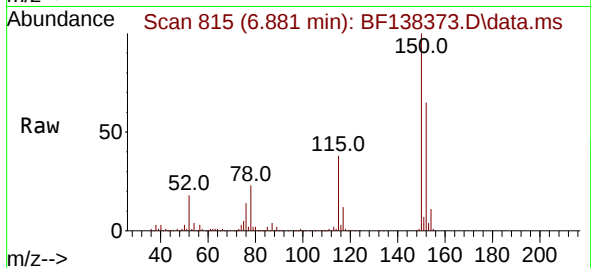
Reviewed By :Yogesh
Patel
06/28/2024
Supervised By :Jagrut
Upadhyay
06/28/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 817
Delta R.T. -0.012 min
Lab File: BF138373.D
Acq: 27 Jun 2024 18:39

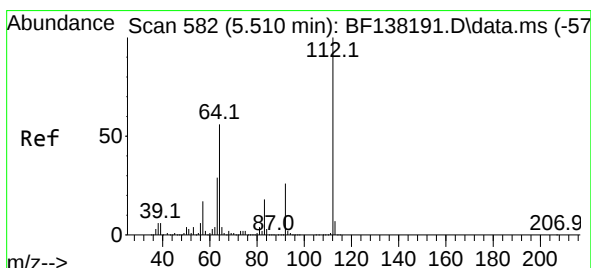
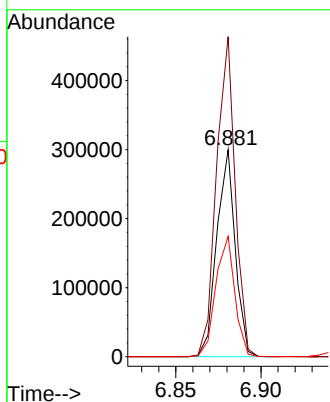
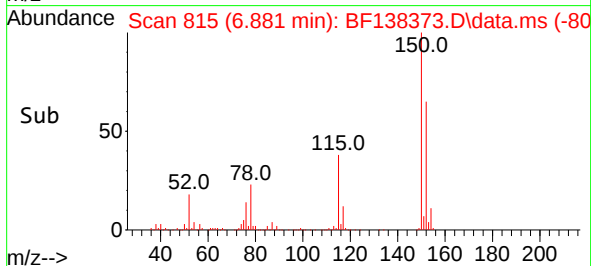
Instrument :
BNA_F
ClientSampleId :
7-N-1



Tgt Ion:152 Resp: 225950
Ion Ratio Lower Upper
152 100
150 154.6 125.0 187.4
115 58.0 48.4 72.6

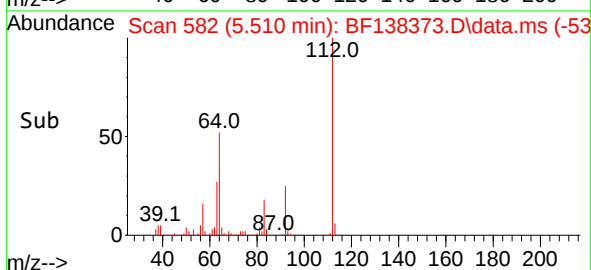
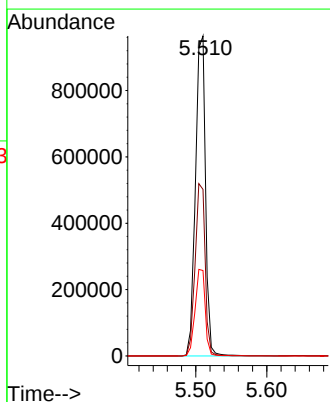
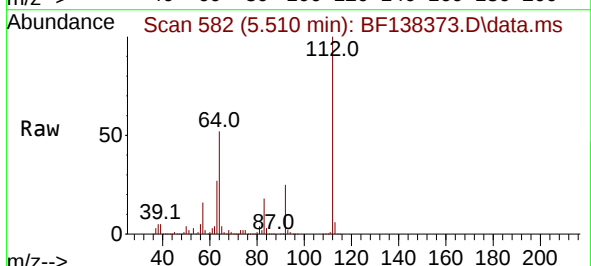
Manual Integrations
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Upadhyay
06/28/2024



#5
2-Fluorophenol
Concen: 70.517 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.000 min
Lab File: BF138373.D
Acq: 27 Jun 2024 18:39

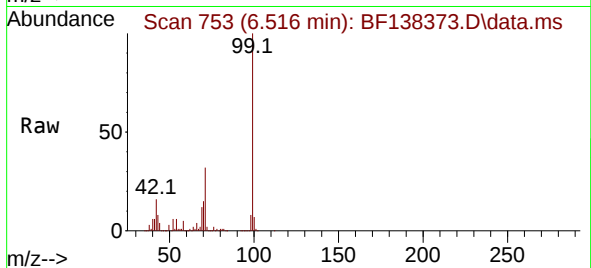
Tgt Ion:112 Resp: 952479
Ion Ratio Lower Upper
112 100
64 52.0 45.2 67.8
63 26.7 22.9 34.3





#7
Phenol-d6
Concen: 67.632 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138373.D
Acq: 27 Jun 2024 18:39

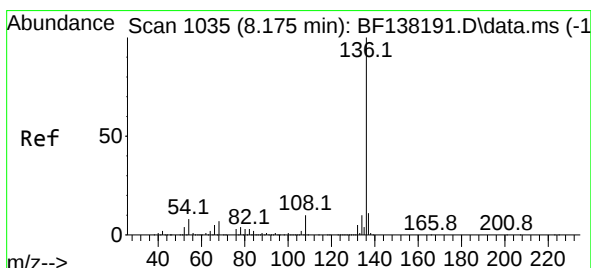
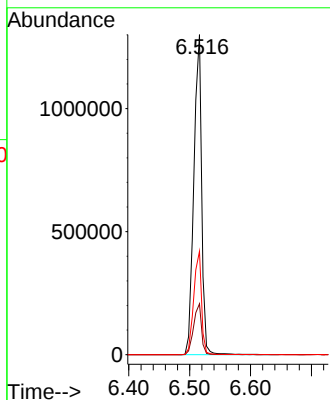
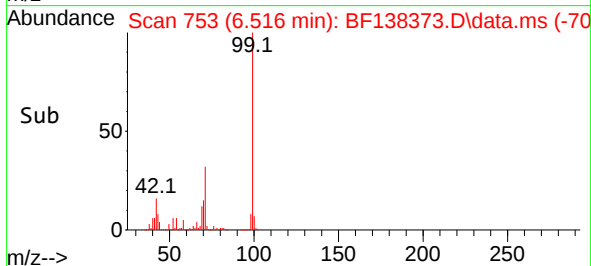
Instrument :
BNA_F
ClientSampleId :
7-N-1



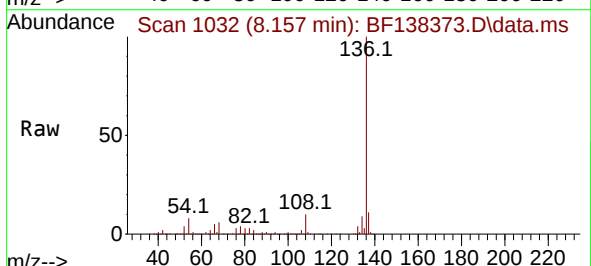
Tgt Ion: 99 Resp: 115837
Ion Ratio Lower Upper
99 100
42 15.9 13.7 20.5
71 32.3 25.0 37.6

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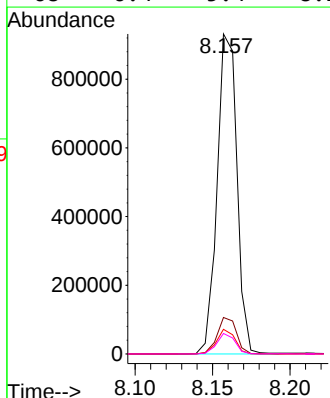
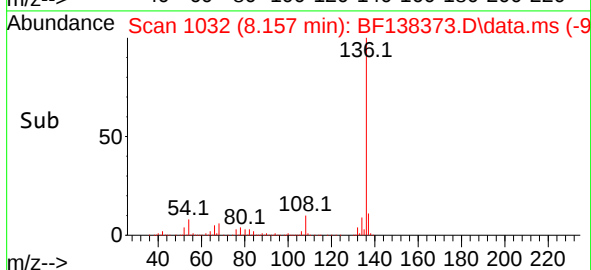
Reviewed By :Yogesh
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Supervised By :Jagrut
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06/28/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.018 min
Lab File: BF138373.D
Acq: 27 Jun 2024 18:39



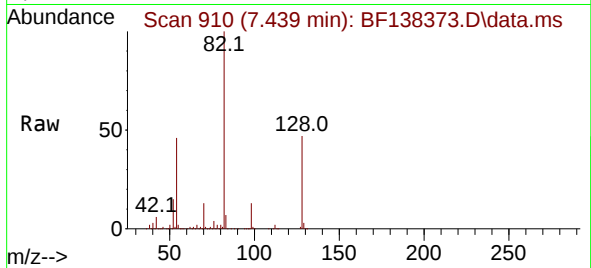
Tgt Ion:136 Resp: 829504
Ion Ratio Lower Upper
136 100
137 11.4 9.1 13.7
54 7.7 6.6 10.0
68 6.4 5.4 8.2





#23
Nitrobenzene-d5
Concen: 50.358 ng
RT: 7.439 min Scan# 913
Delta R.T. -0.018 min
Lab File: BF138373.D
Acq: 27 Jun 2024 18:39

Instrument :
BNA_F
ClientSampleId :
7-N-1

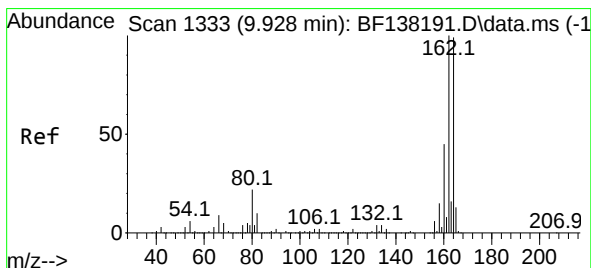
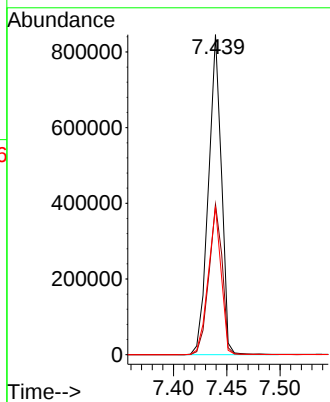
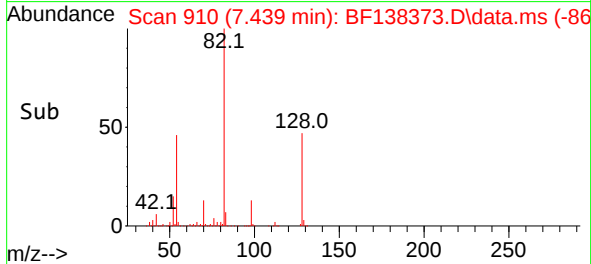


Tgt Ion: 82 Resp: 717535
Ion Ratio Lower Upper
82 100
128 47.0 37.2 55.8
54 46.3 39.8 59.6

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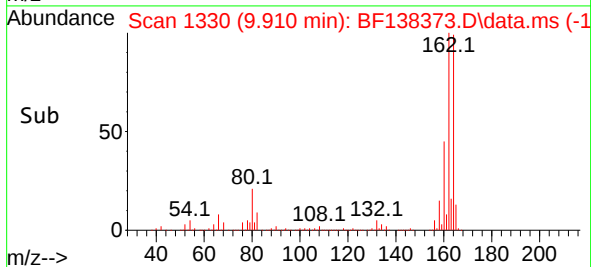
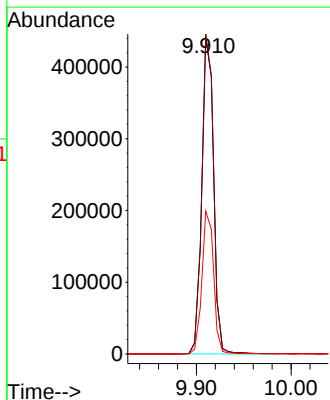
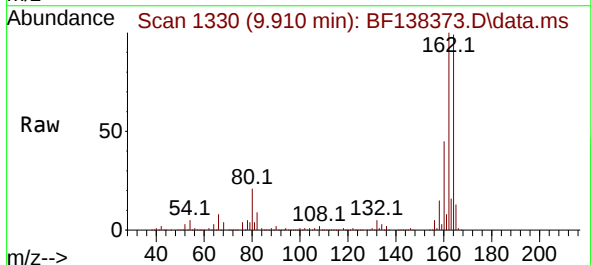
Reviewed By :Yogesh
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06/28/2024

Supervised By :Jagrut
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06/28/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.018 min
Lab File: BF138373.D
Acq: 27 Jun 2024 18:39

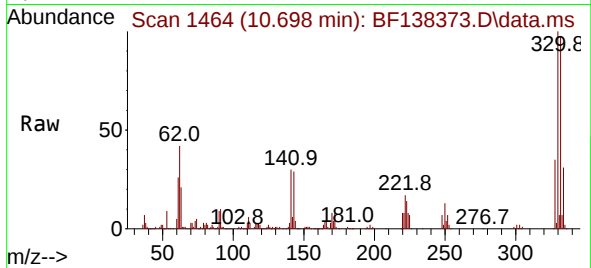
Tgt Ion:164 Resp: 383515
Ion Ratio Lower Upper
164 100
162 101.3 80.6 121.0
160 45.3 36.3 54.5





#42
2,4,6-Tribromophenol
Concen: 61.679 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.018 min
Lab File: BF138373.D
Acq: 27 Jun 2024 18:39

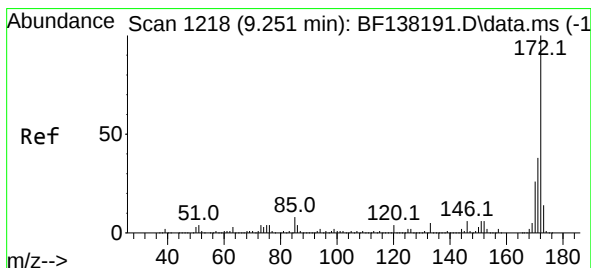
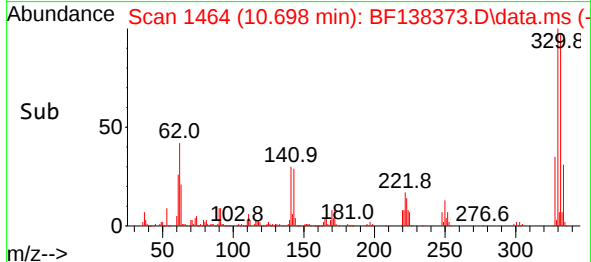
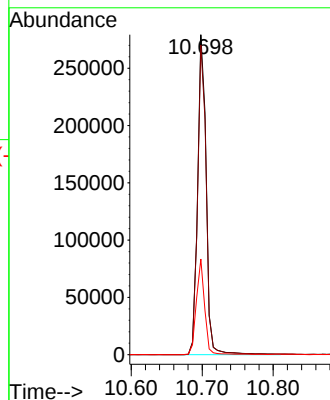
Instrument :
BNA_F
ClientSampleId :
7-N-1



Tgt Ion:330 Resp: 235488
Ion Ratio Lower Upper
330 100
332 97.6 76.6 115.0
141 28.8 23.9 35.9

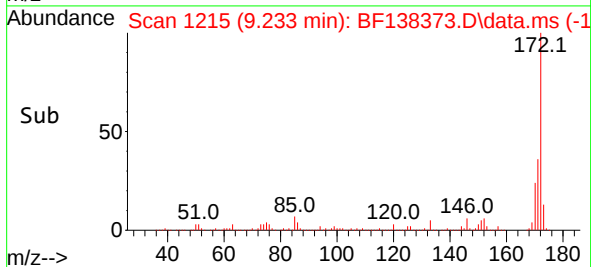
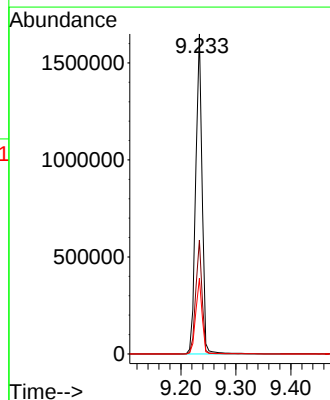
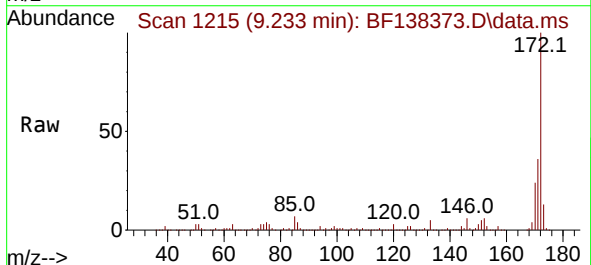
Manual Integrations
APPROVED

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



#45
2-Fluorobiphenyl
Concen: 55.234 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.018 min
Lab File: BF138373.D
Acq: 27 Jun 2024 18:39

Tgt Ion:172 Resp: 1332149
Ion Ratio Lower Upper
172 100
171 35.6 30.3 45.5
170 23.6 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: BF138373.D

Acq: 27 Jun 2024 18:39

Instrument :

BNA_F

ClientSampleId :

7-N-1

Tgt Ion:188 Resp: 51776

Ion Ratio Lower Upper

188 100

94 9.3 7.6 11.4

80 9.4 8.1 12.1

Manual Integrations

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Reviewed By :Yogesh

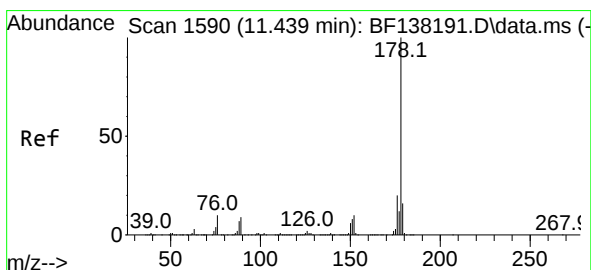
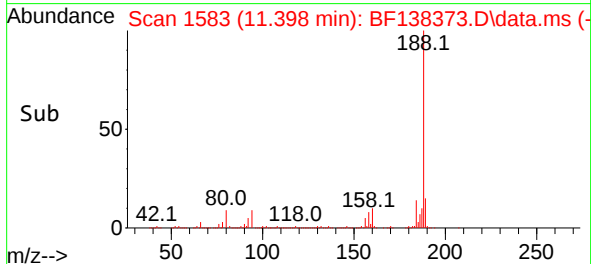
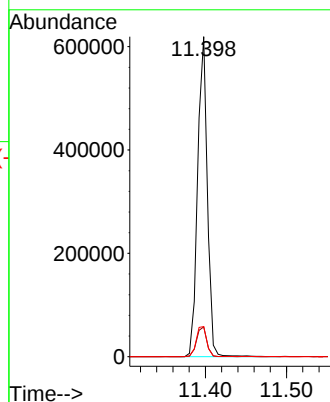
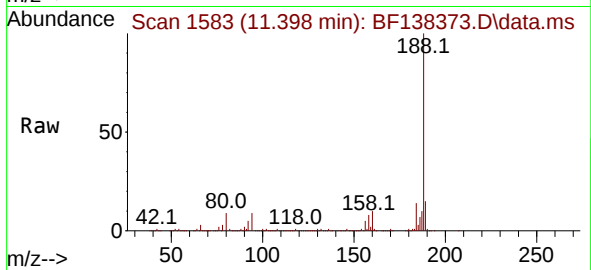
Patel

06/28/2024

Supervised By :Jagrut

Upadhyay

06/28/2024



#71

Phenanthrene

Concen: 2.061 ng

RT: 11.422 min Scan# 1587

Delta R.T. -0.018 min

Lab File: BF138373.D

Acq: 27 Jun 2024 18:39

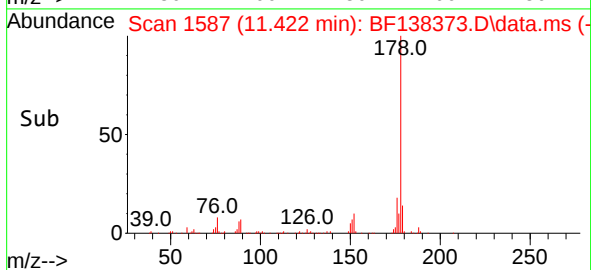
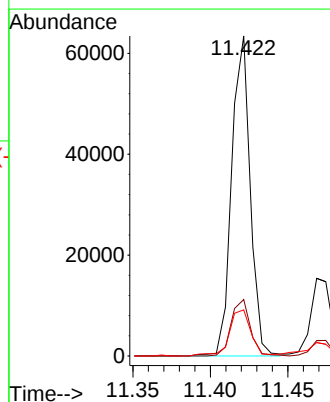
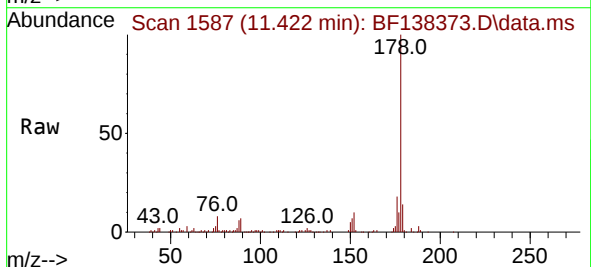
Tgt Ion:178 Resp: 52781

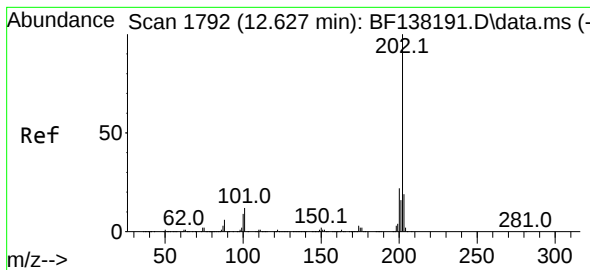
Ion Ratio Lower Upper

178 100

176 17.6 16.4 24.6

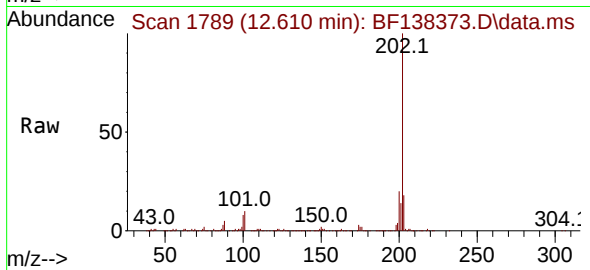
179 14.4 13.1 19.7





#75
Fluoranthene
Concen: 4.842 ng
RT: 12.610 min Scan# 1792
Delta R.T. -0.018 min
Lab File: BF138373.D
Acq: 27 Jun 2024 18:39

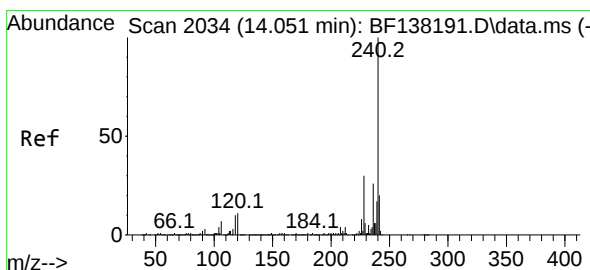
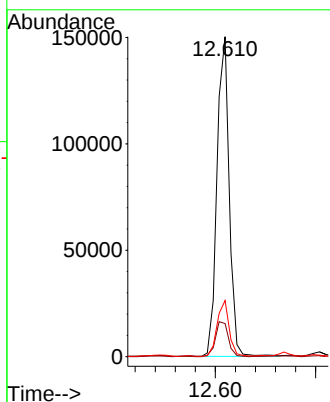
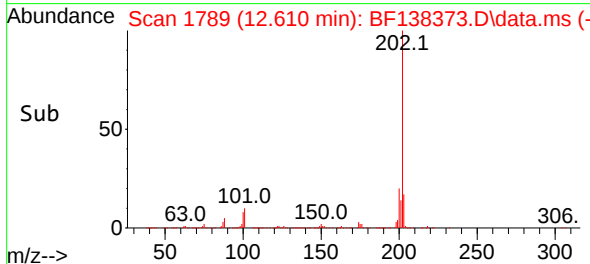
Instrument :
BNA_F
ClientSampleId :
7-N-1



Tgt Ion:202 Resp: 126430
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.8
203 17.5 0.0 38.6

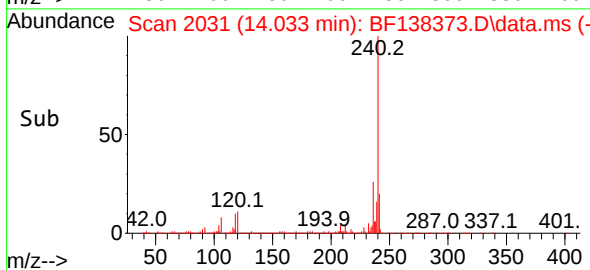
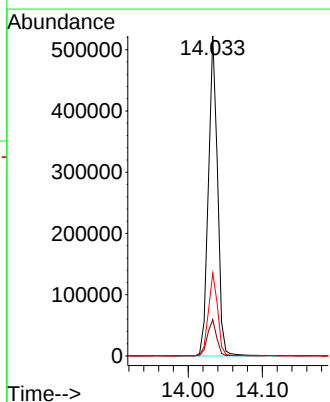
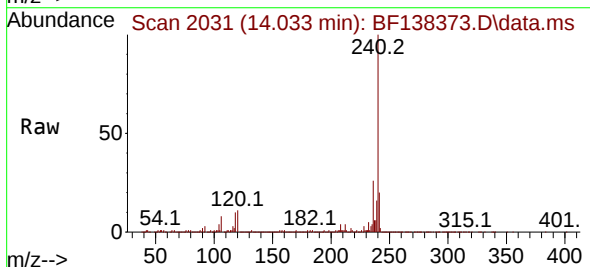
Manual Integrations
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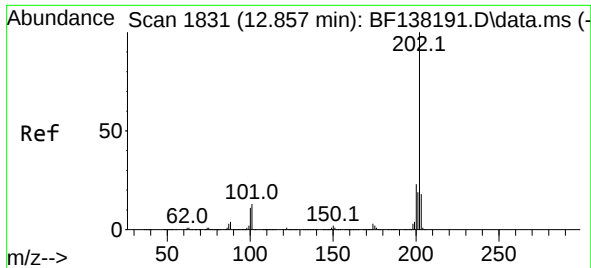
Reviewed By :Yogesh
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06/28/2024
Supervised By :Jagrut
Upadhyay
06/28/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.018 min
Lab File: BF138373.D
Acq: 27 Jun 2024 18:39

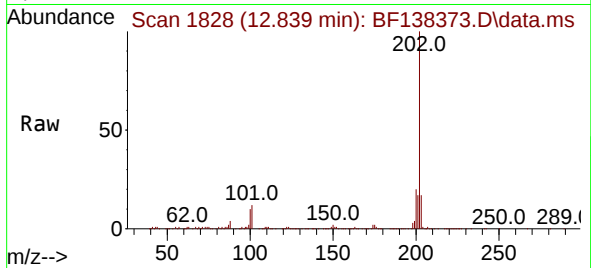
Tgt Ion:240 Resp: 448921
Ion Ratio Lower Upper
240 100
120 11.3 9.2 13.8
236 25.9 21.0 31.6





#78
Pyrene
Concen: 3.197 ng
RT: 12.839 min Scan# 1828
Delta R.T. -0.018 min
Lab File: BF138373.D
Acq: 27 Jun 2024 18:39

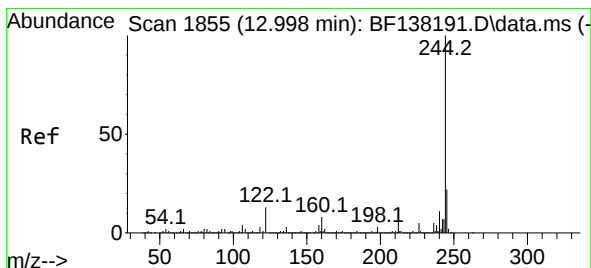
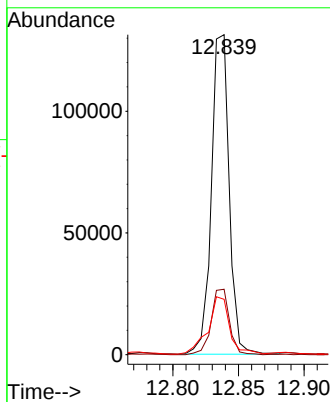
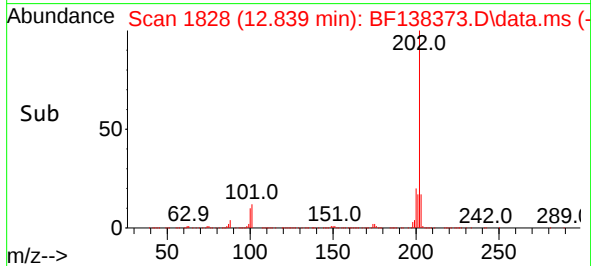
Instrument :
BNA_F
ClientSampleId :
7-N-1



Tgt Ion:202 Resp: 123779
Ion Ratio Lower Upper
202 100
200 20.4 18.0 27.0
203 17.3 14.7 22.1

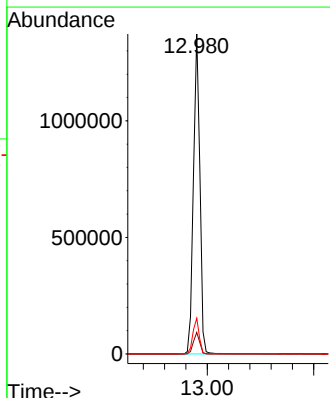
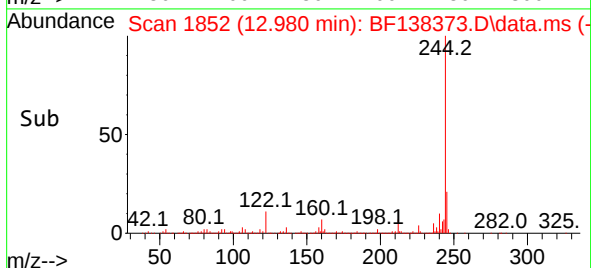
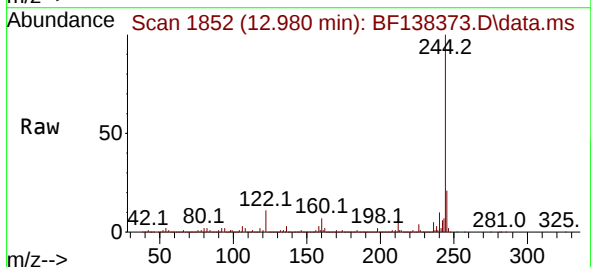
Manual Integrations
APPROVED

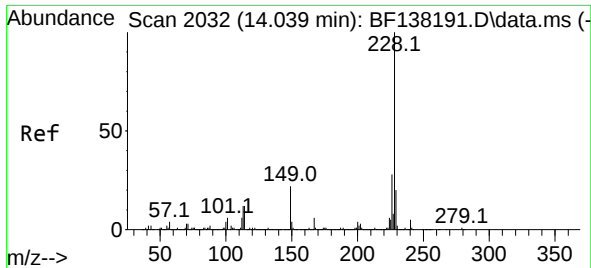
Reviewed By :Yogesh
Patel
06/28/2024
Supervised By :Jagrut
Upadhyay
06/28/2024



#79
Terphenyl-d14
Concen: 40.656 ng
RT: 12.980 min Scan# 1852
Delta R.T. -0.018 min
Lab File: BF138373.D
Acq: 27 Jun 2024 18:39

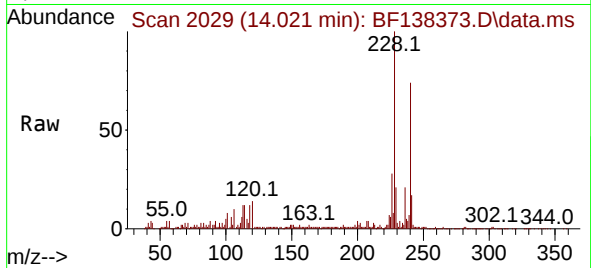
Tgt Ion:244 Resp: 1152350
Ion Ratio Lower Upper
244 100
212 6.7 5.9 8.9
122 11.1 10.6 15.8





#81
Benzo(a)anthracene
Concen: 2.492 ng
RT: 14.021 min Scan# 2032
Delta R.T. -0.018 min
Lab File: BF138373.D
Acq: 27 Jun 2024 18:39

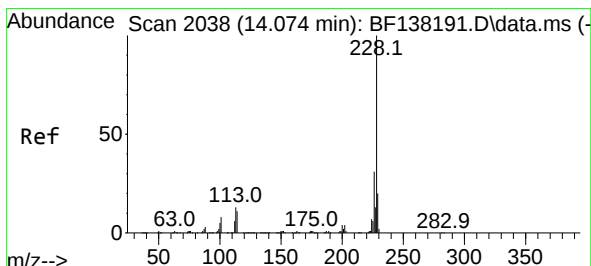
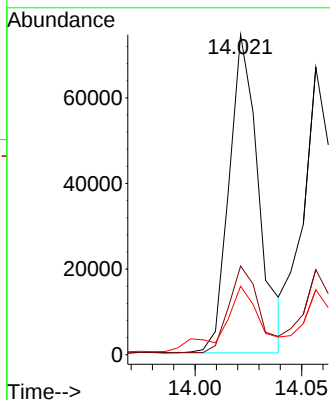
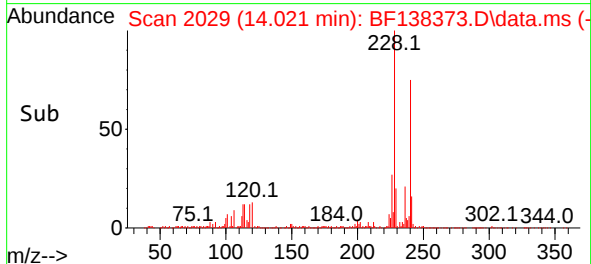
Instrument :
BNA_F
ClientSampleId :
7-N-1



Tgt Ion:228 Resp: 71780
Ion Ratio Lower Upper
228 100
226 27.7 22.5 33.7
229 21.4 16.3 24.5

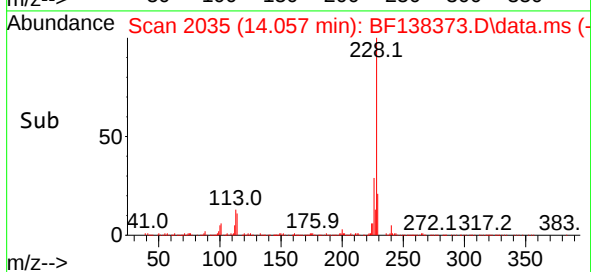
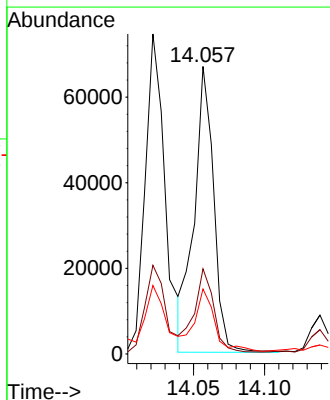
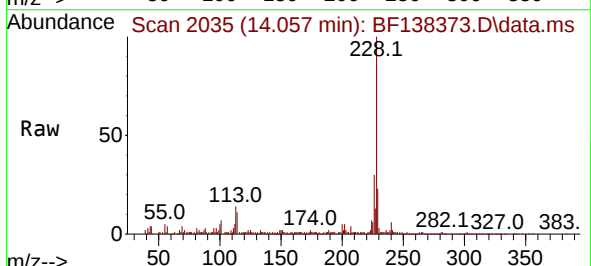
Manual Integrations
APPROVED

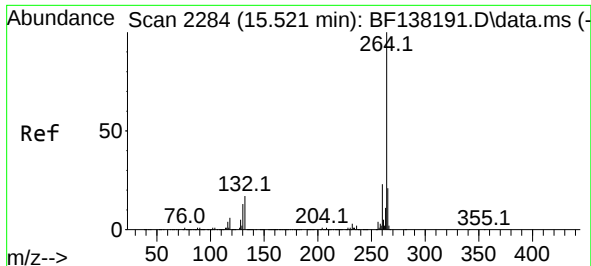
Reviewed By :Yogesh
Patel
06/28/2024
Supervised By :Jagrut
Upadhyay
06/28/2024



#83
Chrysene
Concen: 2.326 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.018 min
Lab File: BF138373.D
Acq: 27 Jun 2024 18:39

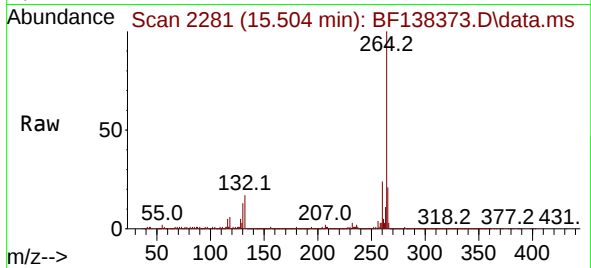
Tgt Ion:228 Resp: 63867
Ion Ratio Lower Upper
228 100
226 29.6 24.5 36.7
229 22.6 16.3 24.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF138373.D
Acq: 27 Jun 2024 18:39

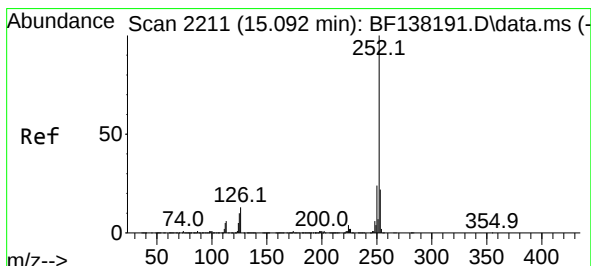
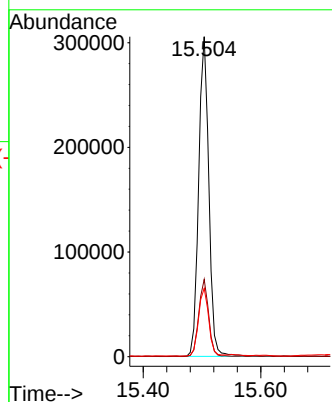
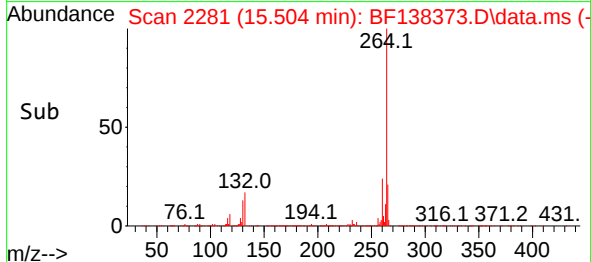
Instrument :
BNA_F
ClientSampleId :
7-N-1



Tgt Ion:264 Resp: 36500
Ion Ratio Lower Upper
264 100
260 24.2 18.7 28.1
265 21.3 17.0 25.6

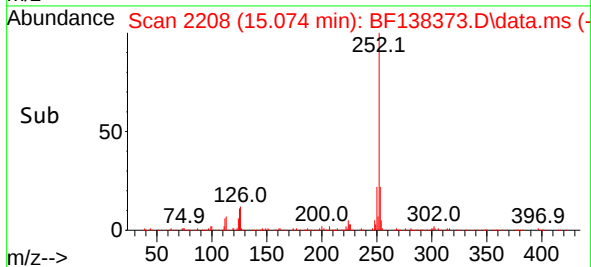
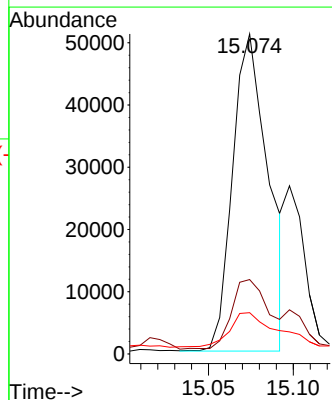
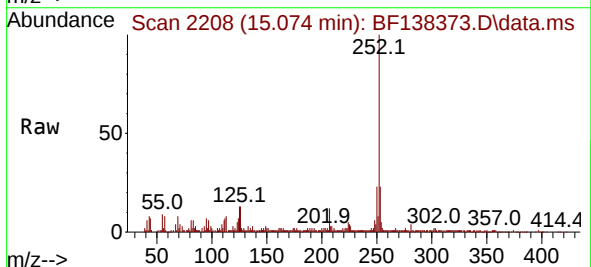
Manual Integrations
APPROVED

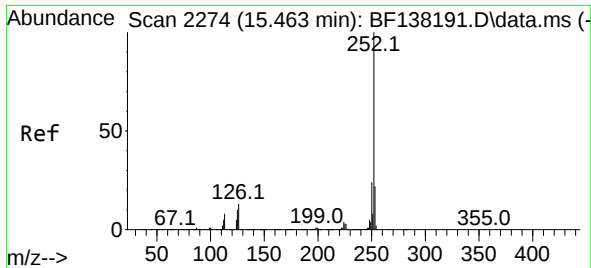
Reviewed By :Yogesh
Patel
06/28/2024
Supervised By :Jagrut
Upadhyay
06/28/2024



#88
Benzo(b)fluoranthene
Concen: 3.465 ng m
RT: 15.074 min Scan# 2208
Delta R.T. -0.018 min
Lab File: BF138373.D
Acq: 27 Jun 2024 18:39

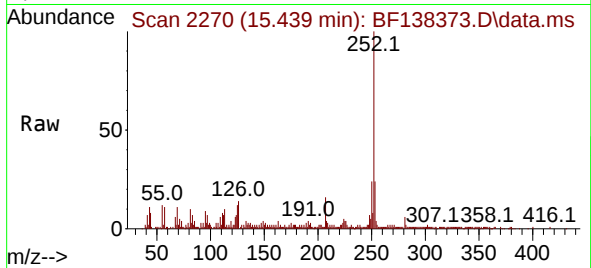
Tgt Ion:252 Resp: 74584
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 12.9 7.8 11.8#





#90
Benzo(a)pyrene
Concen: 2.394 ng
RT: 15.439 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF138373.D
Acq: 27 Jun 2024 18:39

Instrument :
BNA_F
ClientSampleId :
7-N-1



Tgt Ion:252 Resp: 44272
Ion Ratio Lower Upper
252 100
253 23.6 17.7 26.5
125 12.3 8.2 12.2

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel
06/28/2024

Supervised By :Jagrut
Upadhyay
06/28/2024

