

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010923\
 Data File : BF131979.D
 Acq On : 09 Jan 2023 23:42
 Operator : CG\JU
 Sample : 01052-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-DRUM

Quant Time: Jan 10 03:16:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 10 00:32:25 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 01/12/2023
 Supervised By : Jagrut Upadhyay 01/12/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	58395	20.000	ng	0.02
21) Naphthalene-d8	8.104	136	153542	20.000	ng	# 0.02
39) Acenaphthene-d10	9.880	164	112641	20.000	ng	# 0.04
64) Phenanthrene-d10	11.374	188	155685	20.000	ng	# 0.04
76) Chrysene-d12	13.992	240	125703	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	146343	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	33046	9.325	ng	0.03
7) Phenol-d6	6.598	99	560453m	119.278	ng	0.16
23) Nitrobenzene-d5	7.381	82	458257	123.870	ng	0.01
42) 2,4,6-Tribromophenol	10.692	330	121199	93.581	ng	0.05
45) 2-Fluorobiphenyl	9.186	172	635755	76.193	ng	0.02
79) Terphenyl-d14	12.945	244	662886	75.583	ng	0.02
Target Compounds						Qvalue
31) Naphthalene	8.134	128	1802532	222.142	ng	# 94
37) 2-Methylnaphthalene	8.845	142	3301590	566.529	ng	99
38) 1-Methylnaphthalene	8.939	142	1780965	329.854	ng	98
46) 1,1'-Biphenyl	9.292	154	450419	51.808	ng	98
52) Acenaphthene	9.910	154	133928	21.307	ng	# 73
58) Fluorene	10.433	166	326306	41.228	ng	# 90
71) Phenanthrene	11.404	178	957673	117.999	ng	# 96
72) Anthracene	11.451	178	85791	10.268	ng	# 44
73) Carbazole	11.616	167	121394m	17.550	ng	
75) Fluoranthene	12.586	202	48060	5.265	ng	66
78) Pyrene	12.810	202	245277m	21.394	ng	
84) Bis(2-ethylhexyl)phtha...	13.963	149	51860	8.272	ng	# 94

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

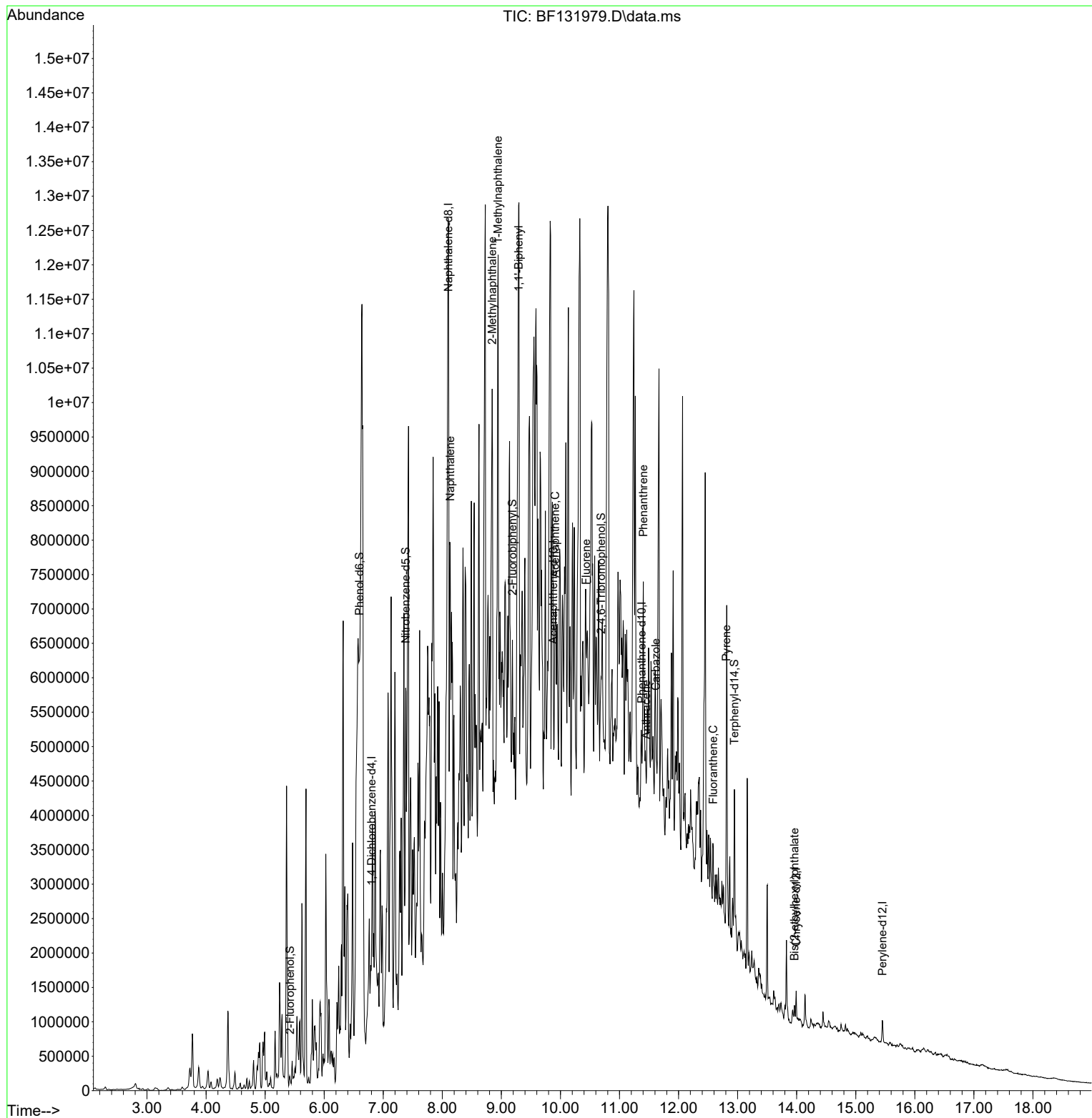
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010923\
Data File : BF131979.D
Acq On : 09 Jan 2023 23:42
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Sample : 01052-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

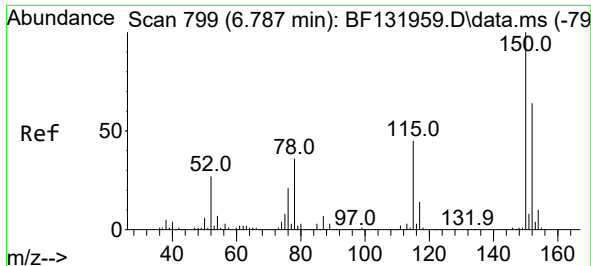
Instrument :
BNA_F
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Quant Time: Jan 10 03:16:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
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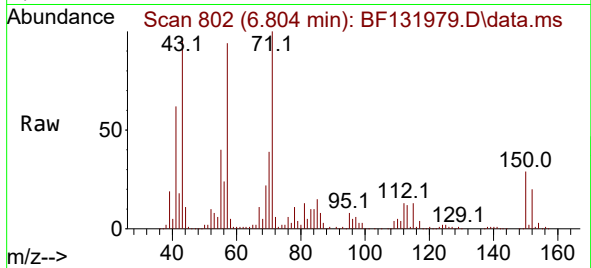
Reviewed By : Christian Giraldo 01/12/2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 801
Delta R.T. 0.017 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

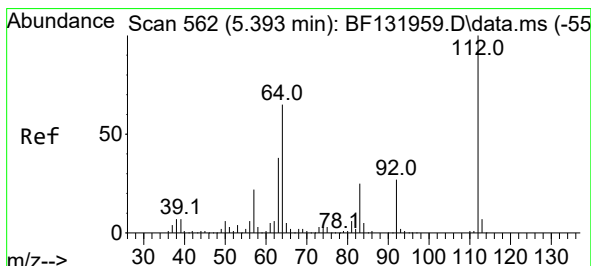
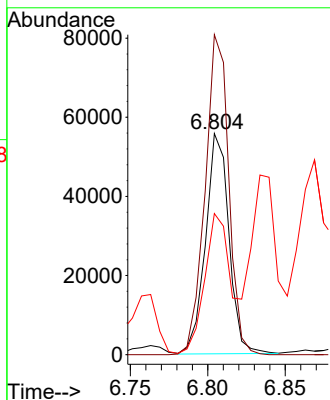
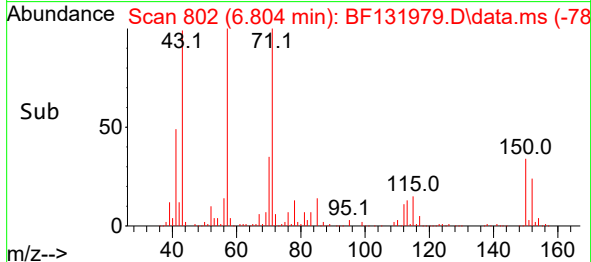
Instrument :
BNA_F
ClientSampleId :
UST-DRUM



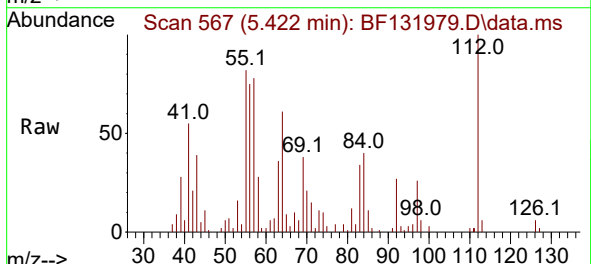
Tgt Ion:152 Resp: 5839
Ion Ratio Lower Upper
152 100
150 144.7 124.6 186.8
115 63.8 55.6 83.4

Manual Integrations
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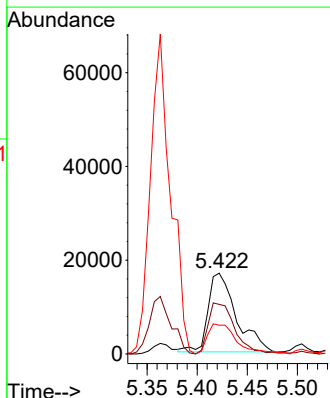
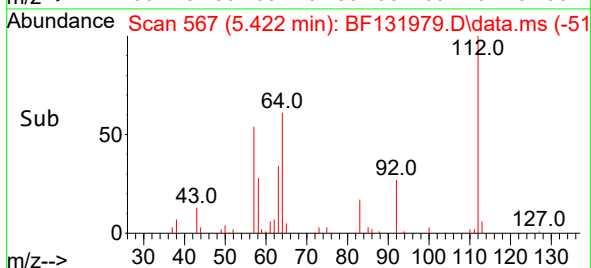
Reviewed By :Christian Giraldo 01/12/2023
Supervised By :Jagrut Upadhyay 01/12/2023

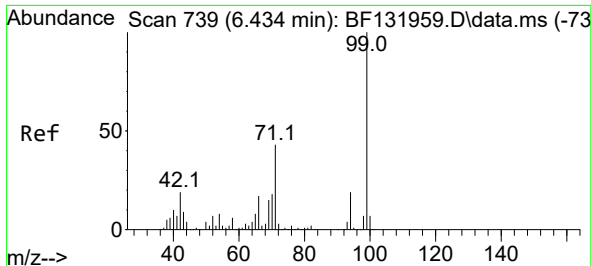


#5
2-Fluorophenol
Concen: 9.325 ng
RT: 5.422 min Scan# 567
Delta R.T. 0.029 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42



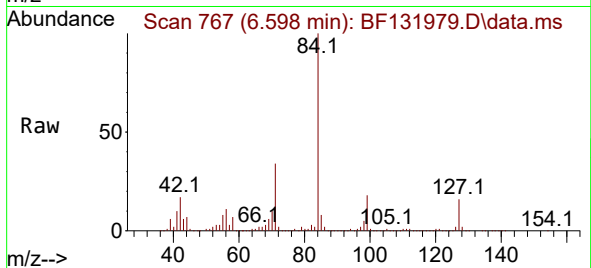
Tgt Ion:112 Resp: 33046
Ion Ratio Lower Upper
112 100
64 61.4 51.9 77.9
63 35.7 30.2 45.2





#7
Phenol-d6
Concen: 119.278 ng m
RT: 6.598 min Scan# 70
Delta R.T. 0.165 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

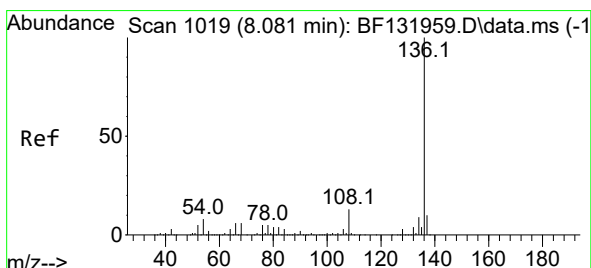
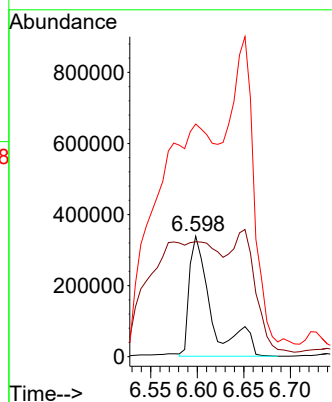
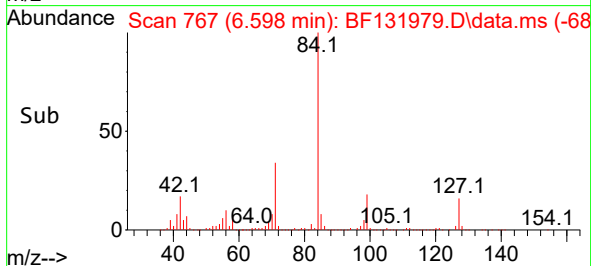
Instrument :
BNA_F
ClientSampleId :
UST-DRUM



Tgt Ion: 99 Resp: 56045
Ion Ratio Lower Upper
99 100
42 95.4 15.4 23.2
71 193.0 34.6 51.8

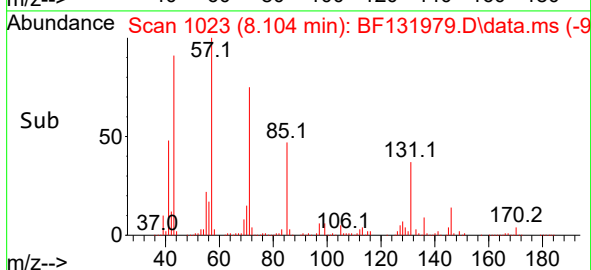
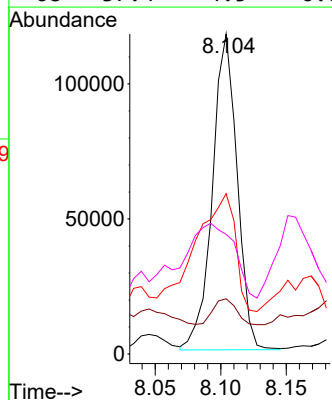
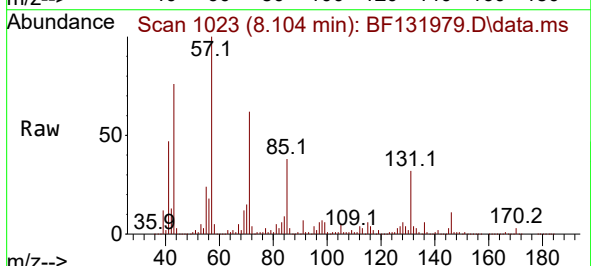
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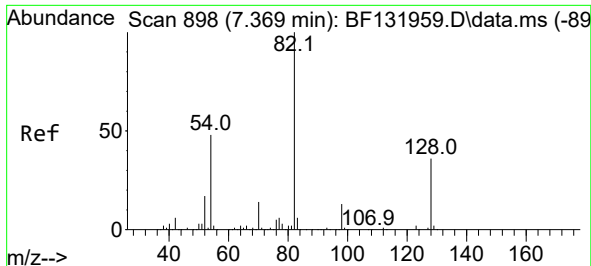
Reviewed By :Christian Giraldo 01/12/2023
Supervised By :Jagrut Upadhyay 01/12/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.023 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

Tgt Ion:136 Resp: 153542
Ion Ratio Lower Upper
136 100
137 17.2 8.2 12.2#
54 50.1 6.6 9.8#
68 37.4 4.5 6.7#





#23

Nitrobenzene-d5

Concen: 123.870 ng

RT: 7.381 min Scan# 90

Delta R.T. 0.012 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

Instrument :

BNA_F

ClientSampleId :

UST-DRUM

Tgt Ion: 82 Resp: 45825

Ion Ratio Lower Upper

82 100

128 41.6 28.7 43.1

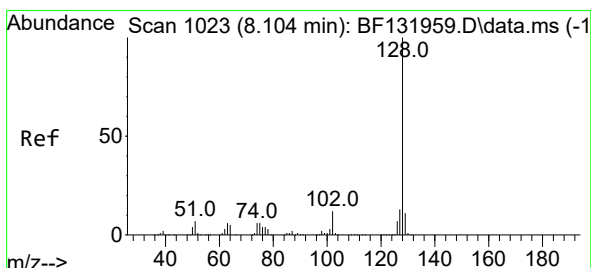
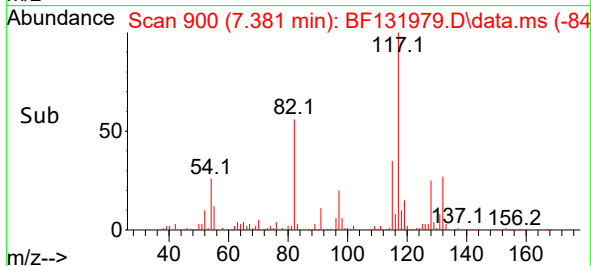
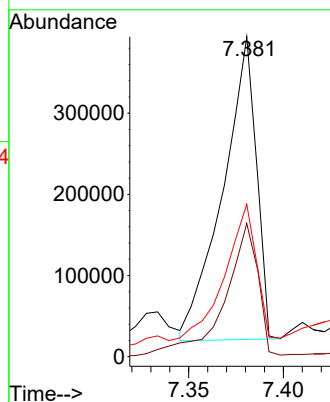
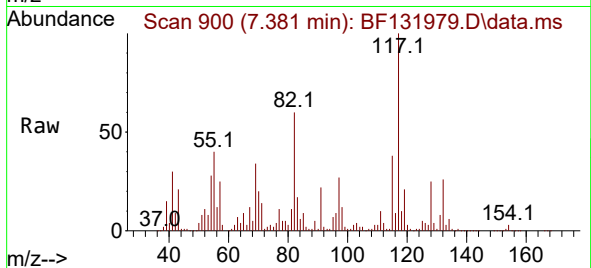
54 47.7 38.1 57.1

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#31

Naphthalene

Concen: 222.142 ng

RT: 8.134 min Scan# 1028

Delta R.T. 0.029 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

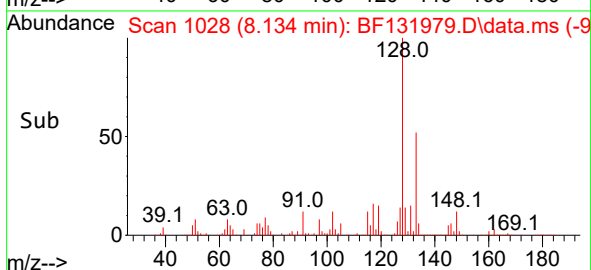
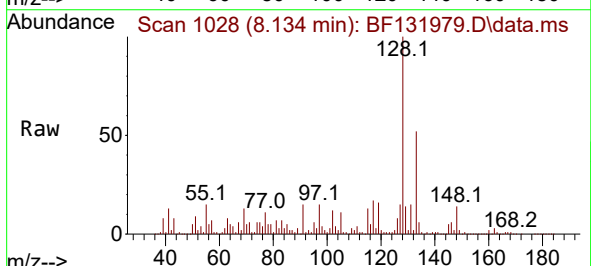
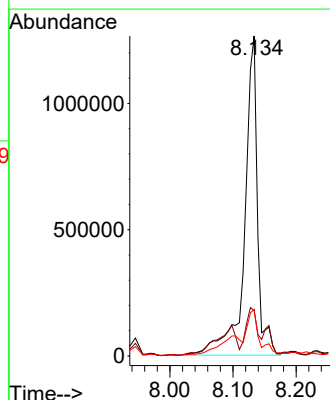
Tgt Ion:128 Resp: 1802532

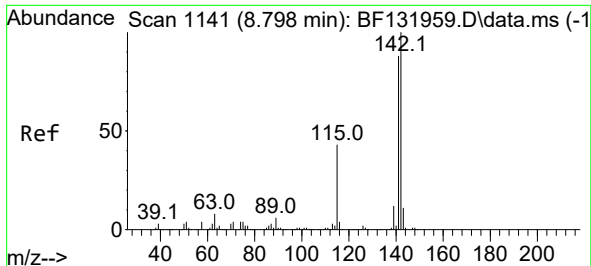
Ion Ratio Lower Upper

128 100

129 14.2 8.8 13.2#

127 14.6 10.5 15.7





#37

2-Methylnaphthalene

Concen: 566.529 ng

RT: 8.845 min Scan# 1149

Delta R.T. 0.047 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

Instrument :

BNA_F

ClientSampleId :

UST-DRUM

Tgt Ion:142 Resp: 3301590

Ion Ratio Lower Upper

142 100

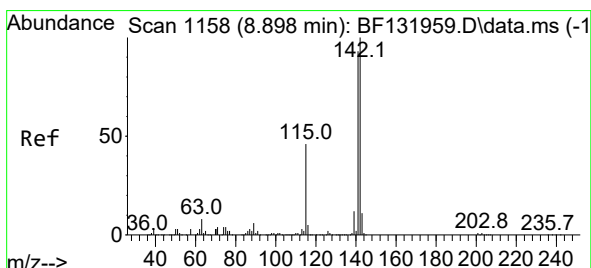
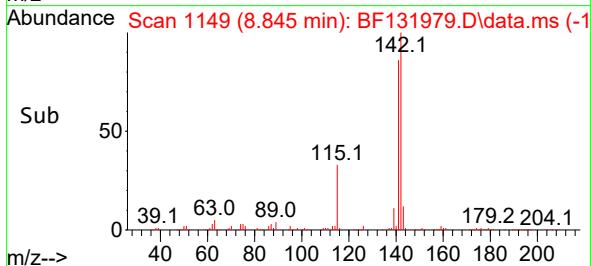
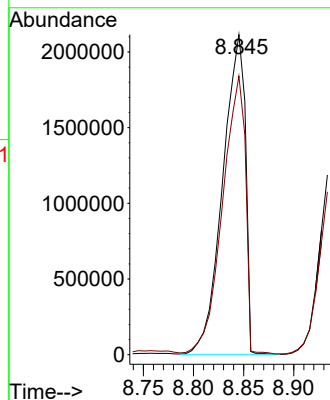
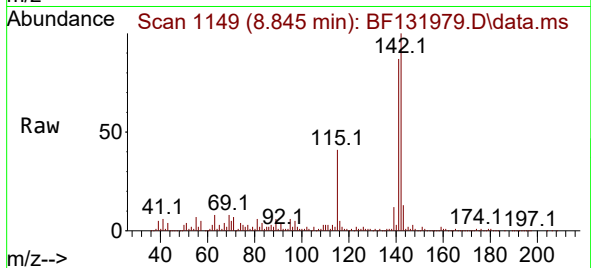
141 87.1 70.6 106.0

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Supervised By :Jagrut Upadhyay 01/12/2023



#38

1-Methylnaphthalene

Concen: 329.854 ng

RT: 8.939 min Scan# 1165

Delta R.T. 0.041 min

Lab File: BF131979.D

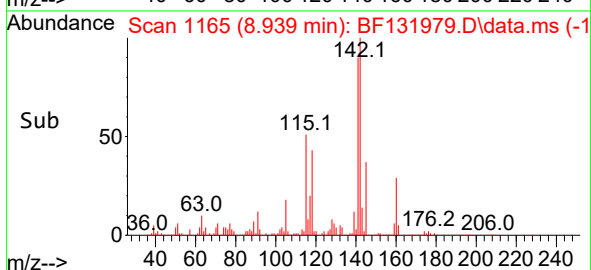
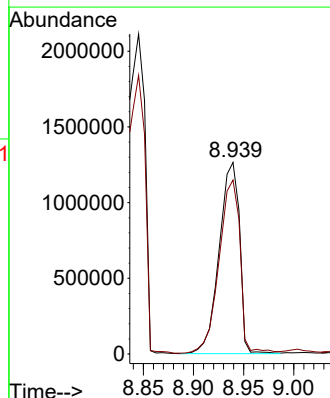
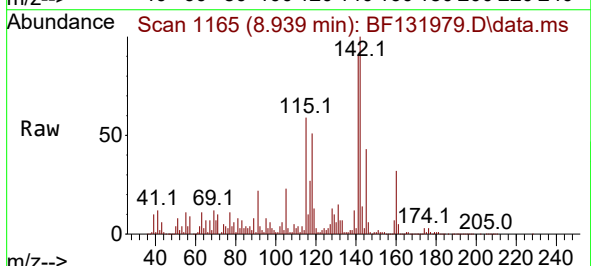
Acq: 09 Jan 2023 23:42

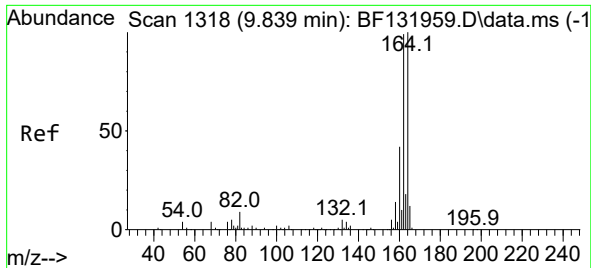
Tgt Ion:142 Resp: 1780965

Ion Ratio Lower Upper

142 100

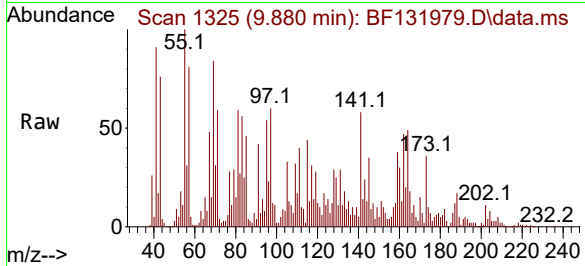
141 90.8 74.3 111.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 11
Delta R.T. 0.041 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

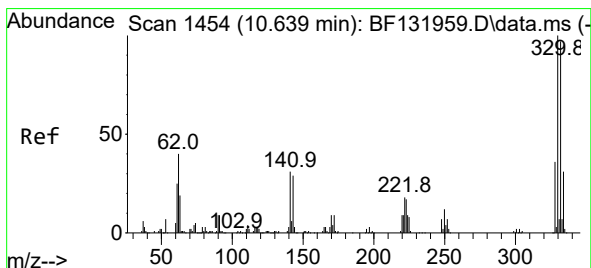
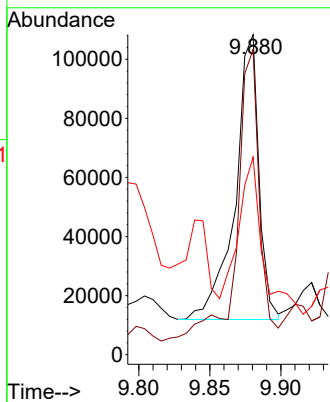
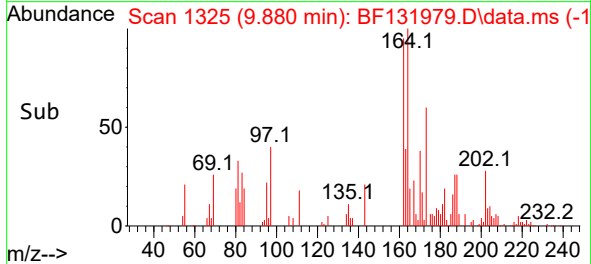
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BNA_F
ClientSampleId :
UST-DRUM



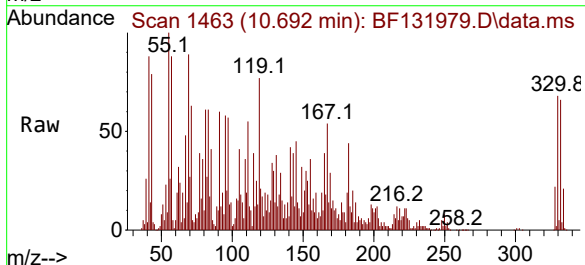
Tgt Ion:164 Resp: 11264
Ion Ratio Lower Upper
164 100
162 95.4 79.4 119.0
160 61.7 33.9 50.9

Manual Integrations
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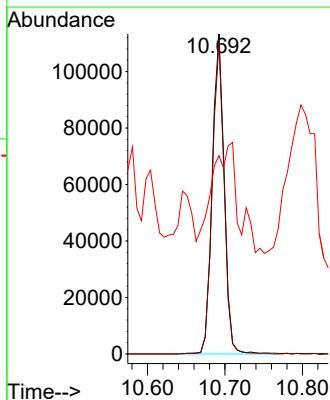
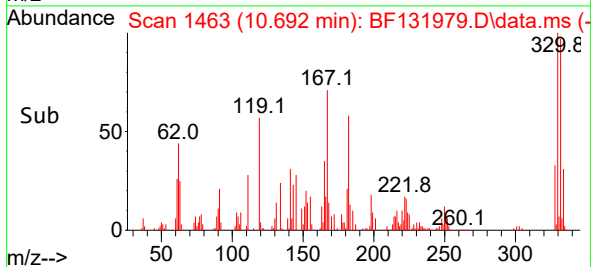
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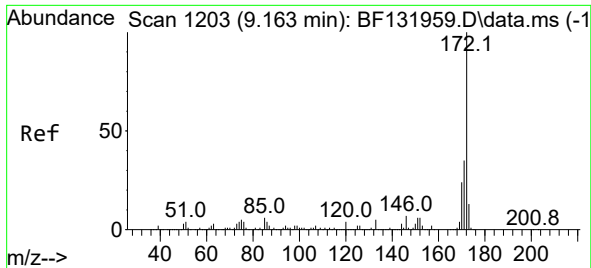


#42
2,4,6-Tribromophenol
Concen: 93.581 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.053 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42



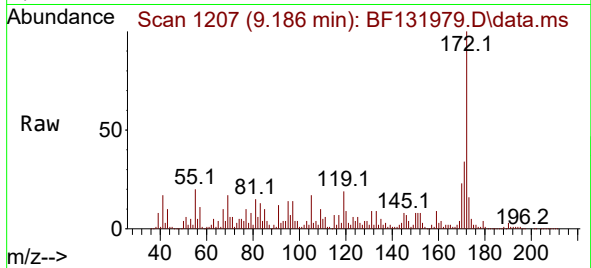
Tgt Ion:330 Resp: 121199
Ion Ratio Lower Upper
330 100
332 96.7 76.9 115.3
141 55.4 31.3 46.9





#45
2-Fluorobiphenyl
Concen: 76.193 ng
RT: 9.186 min Scan# 1207
Delta R.T. 0.023 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

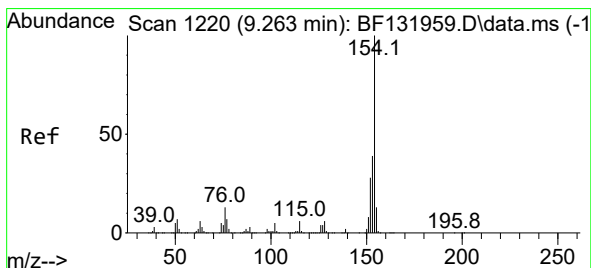
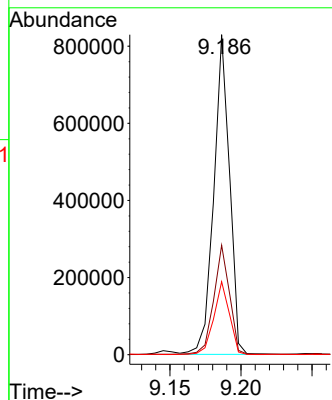
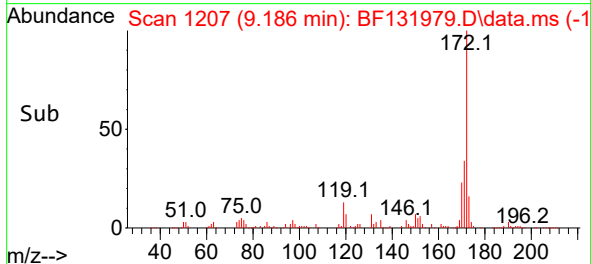
Instrument :
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ClientSampleId :
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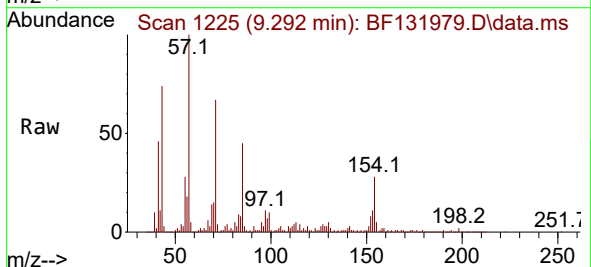
Tgt Ion:172 Resp: 63575
Ion Ratio Lower Upper
172 100
171 34.2 28.0 42.0
170 22.8 18.9 28.3

Manual Integrations
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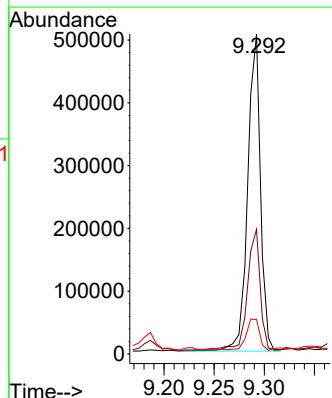
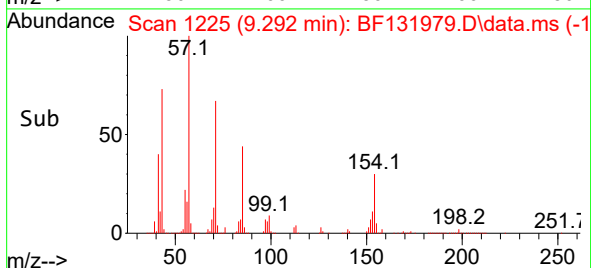
Reviewed By :Christian Giraldo 01/12/2023
Supervised By :Jagrut Upadhyay 01/12/2023

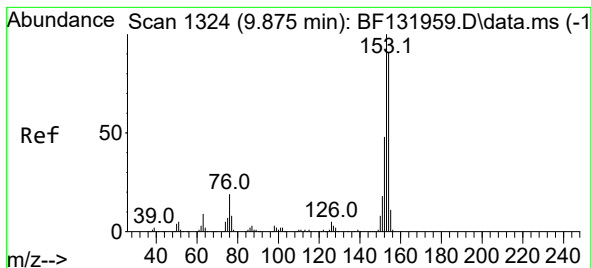


#46
1,1'-Biphenyl
Concen: 51.808 ng
RT: 9.292 min Scan# 1225
Delta R.T. 0.029 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42



Tgt Ion:154 Resp: 450419
Ion Ratio Lower Upper
154 100
153 39.0 18.9 58.9
76 10.7 0.0 33.2





#52

Acenaphthene

Concen: 21.307 ng

RT: 9.910 min Scan# 1330

Delta R.T. 0.035 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

Instrument :

BNA_F

ClientSampleId :

UST-DRUM

Tgt Ion:154 Resp: 133928

Ion Ratio Lower Upper

154 100

153 128.4 87.7 131.5

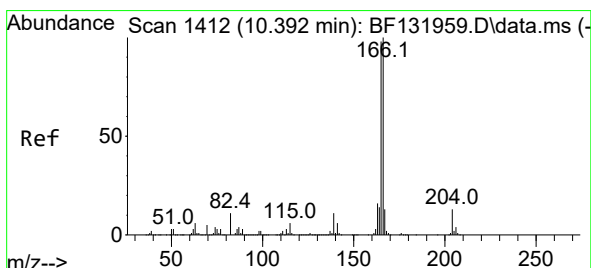
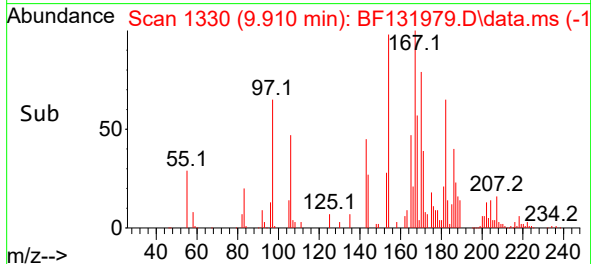
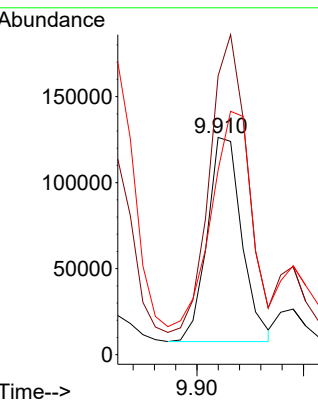
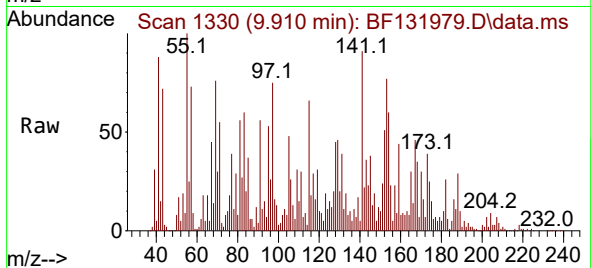
152 85.0 42.2 63.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 01/12/2023



#58

Fluorene

Concen: 41.228 ng

RT: 10.433 min Scan# 1419

Delta R.T. 0.041 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

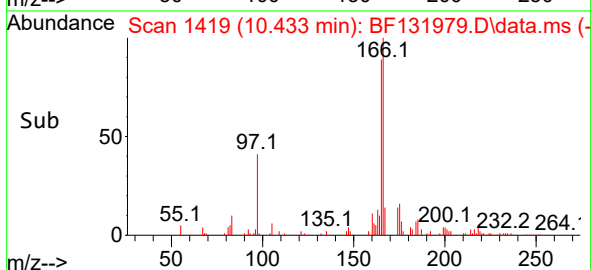
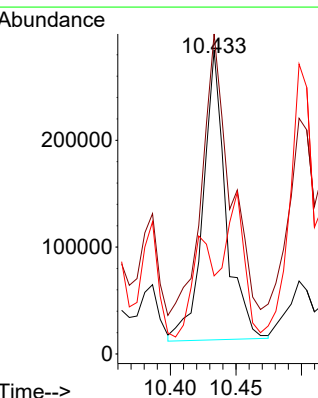
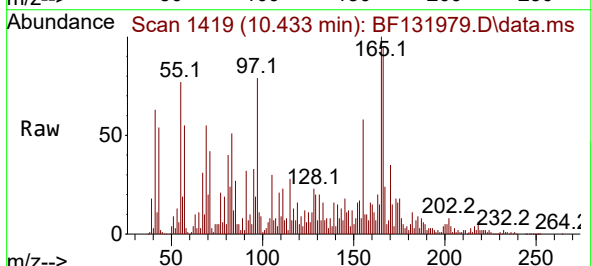
Tgt Ion:166 Resp: 326306

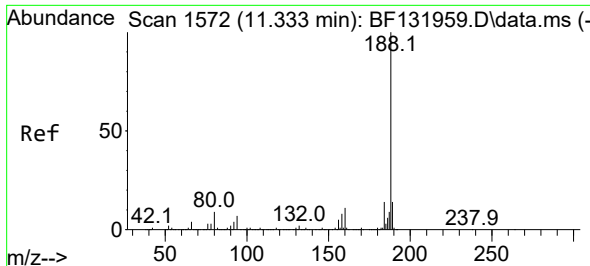
Ion Ratio Lower Upper

166 100

165 105.2 78.3 117.5

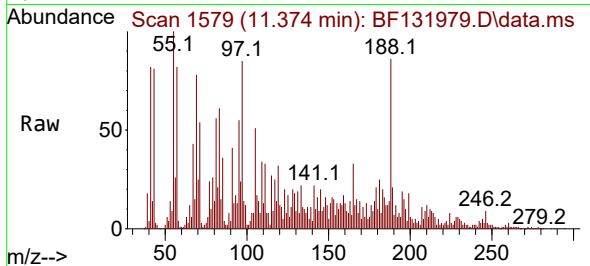
167 25.7 10.7 16.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1579
Delta R.T. 0.041 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

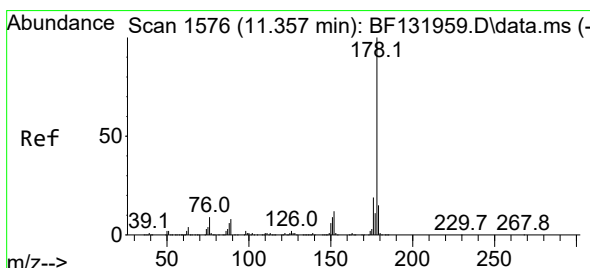
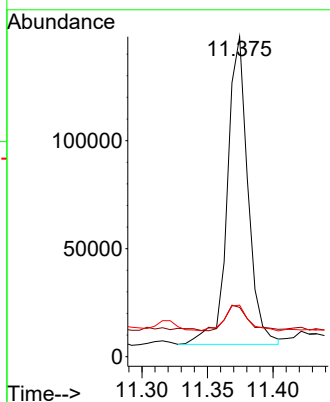
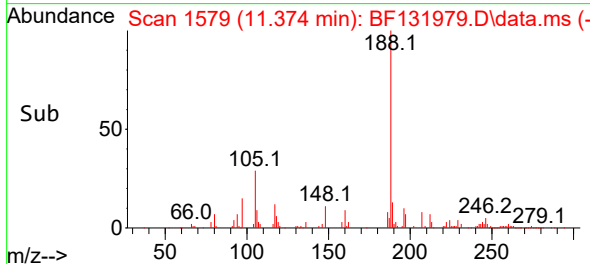
Instrument :
BNA_F
ClientSampleId :
UST-DRUM



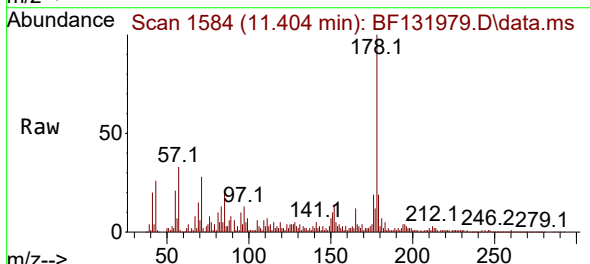
Tgt Ion:188 Resp: 155685
Ion Ratio Lower Upper
188 100
94 15.4 5.8 8.6
80 16.1 7.4 11.0

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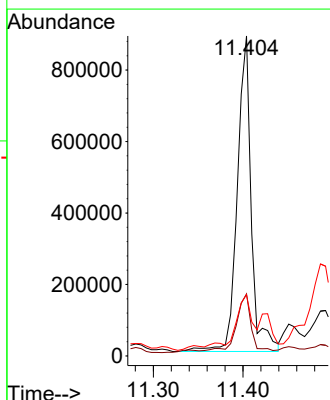
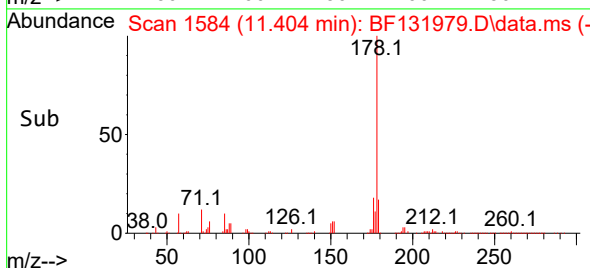
Reviewed By :Christian Giraldo 01/12/2023
Supervised By :Jagrut Upadhyay 01/12/2023

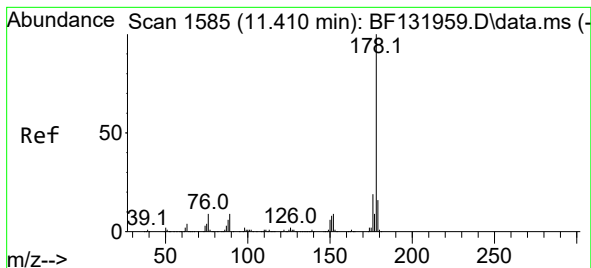


#71
Phenanthrene
Concen: 117.999 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.047 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42



Tgt Ion:178 Resp: 957673
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 19.2 12.4 18.6





#72

Anthracene

Concen: 10.268 ng

RT: 11.451 min Scan# 1592

Delta R.T. 0.041 min

Lab File: BF131979.D

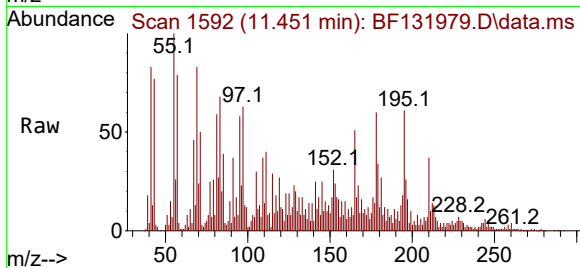
Acq: 09 Jan 2023 23:42

Instrument :

BNA_F

ClientSampleId :

UST-DRUM



Tgt Ion:178 Resp: 8579

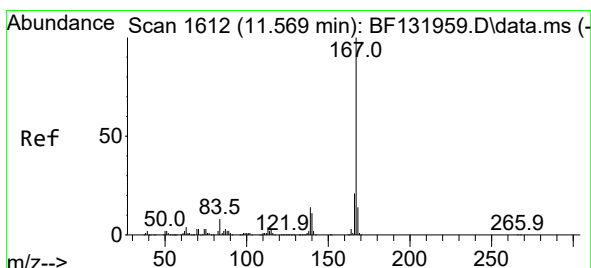
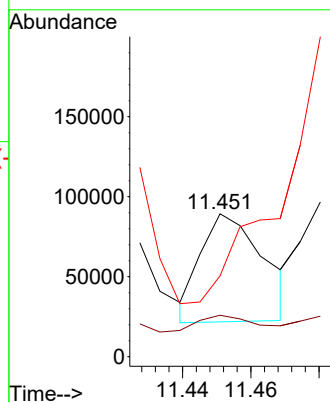
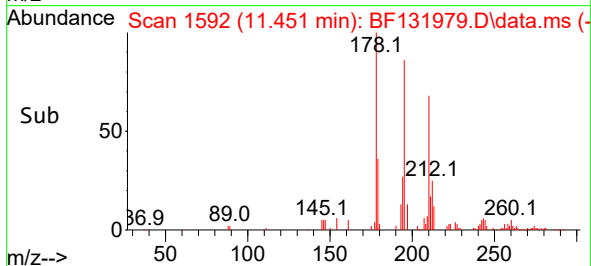
Ion	Ratio	Lower	Upper
178	100		
176	29.0	15.3	22.9
179	56.6	12.6	19.0

Manual Integrations

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Reviewed By :Christian Giraldo 01/12/2023

Supervised By :Jagrut Upadhyay 01/12/2023



#73

Carbazole

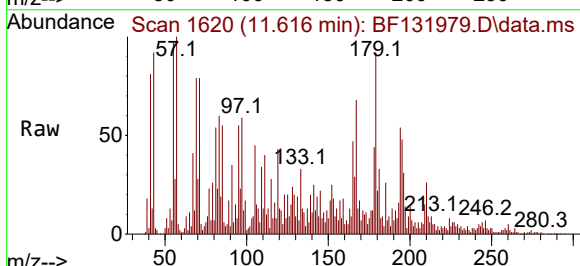
Concen: 17.550 ng m

RT: 11.616 min Scan# 1620

Delta R.T. 0.047 min

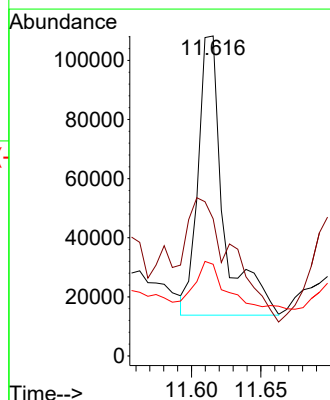
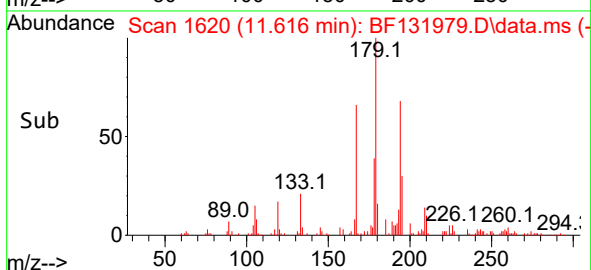
Lab File: BF131979.D

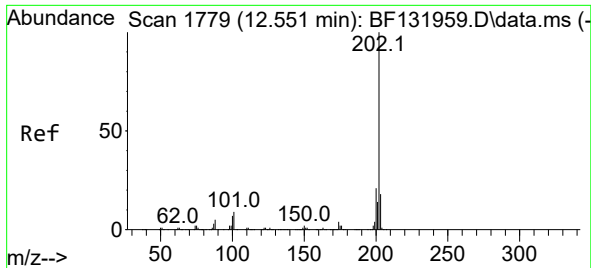
Acq: 09 Jan 2023 23:42



Tgt Ion:167 Resp: 121394

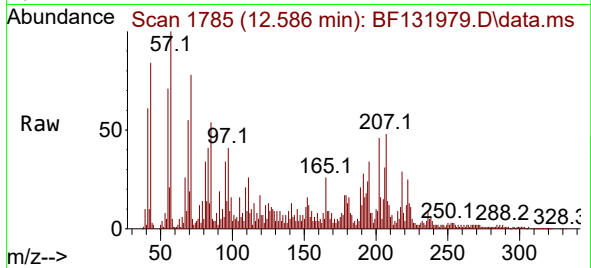
Ion	Ratio	Lower	Upper
167	100		
166	42.8	16.8	25.2
139	28.6	11.1	16.7





#75
Fluoranthene
Concen: 5.265 ng
RT: 12.586 min Scan# 11
Delta R.T. 0.035 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

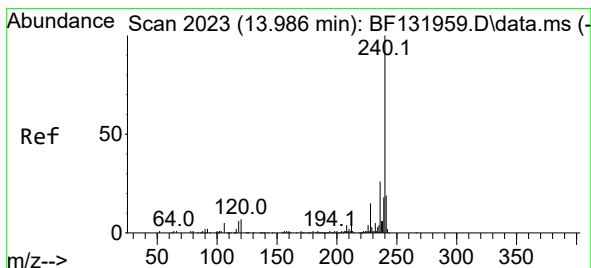
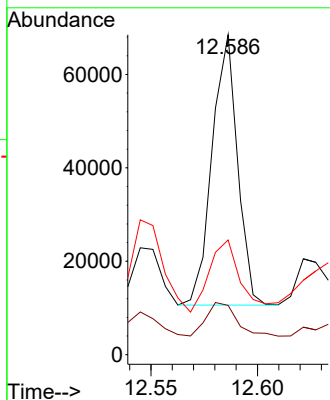
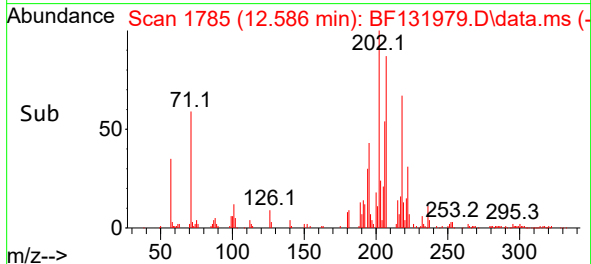
Instrument :
BNA_F
ClientSampleId :
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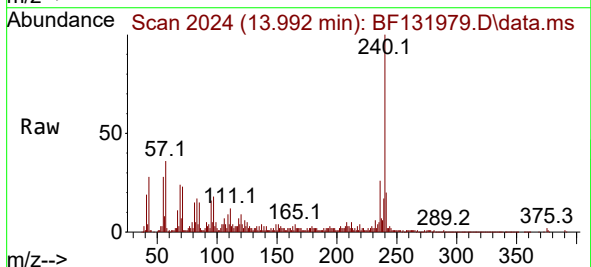
Tgt Ion:202 Resp: 48060
Ion Ratio Lower Upper
202 100
101 15.4 0.0 28.8
203 35.8 0.0 37.6

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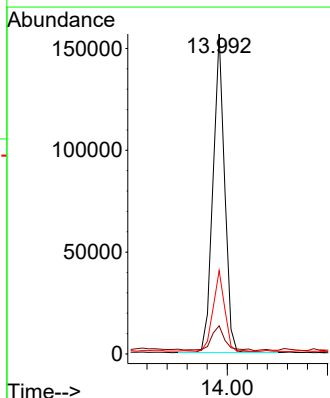
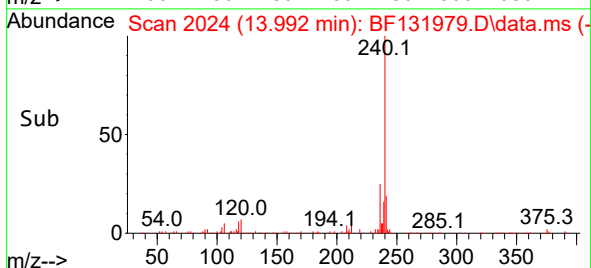
Reviewed By :Christian Giraldo 01/12/2023
Supervised By :Jagrut Upadhyay 01/12/2023

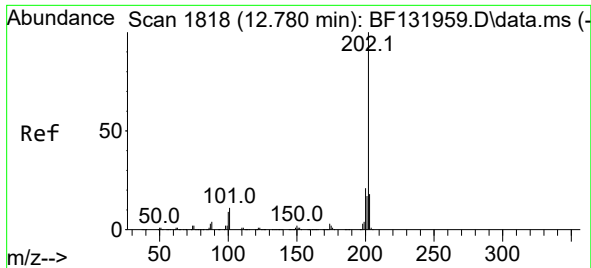


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42



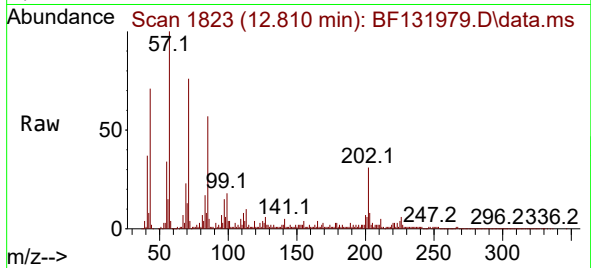
Tgt Ion:240 Resp: 125703
Ion Ratio Lower Upper
240 100
120 8.8 5.4 8.0#
236 26.0 21.1 31.7





#78
Pyrene
Concen: 21.394 ng m
RT: 12.810 min Scan# 1823
Delta R.T. 0.029 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

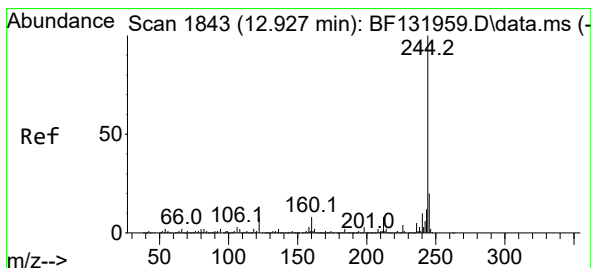
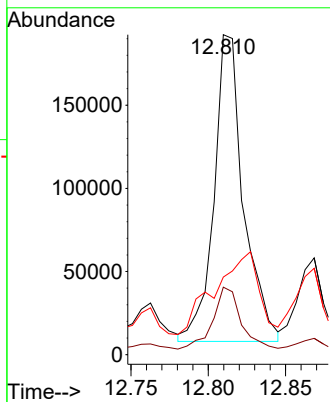
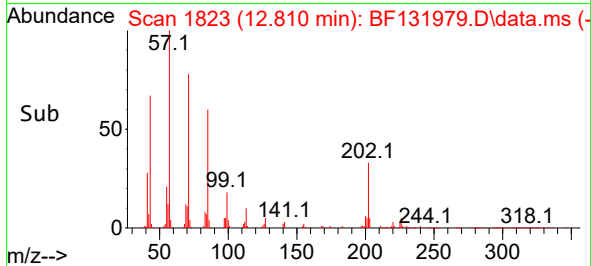
Instrument :
BNA_F
ClientSampleId :
UST-DRUM



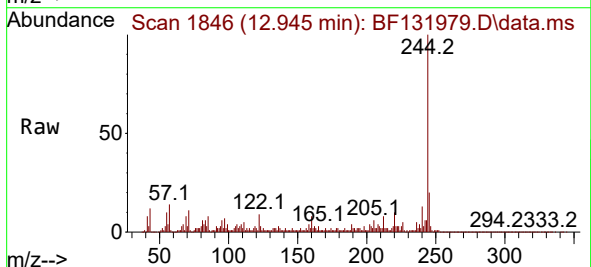
Tgt Ion:202 Resp: 24527
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.6
203 24.3 14.1 21.1

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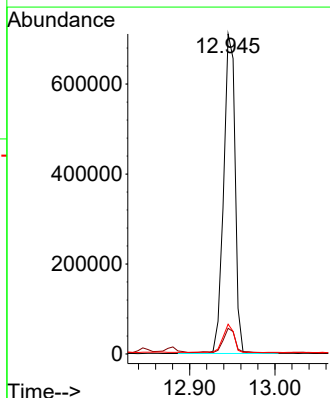
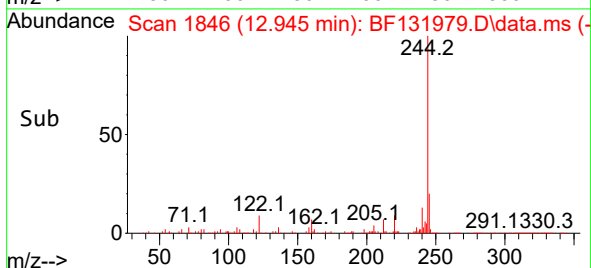
Reviewed By :Christian Giraldo 01/12/2023
Supervised By :Jagrut Upadhyay 01/12/2023

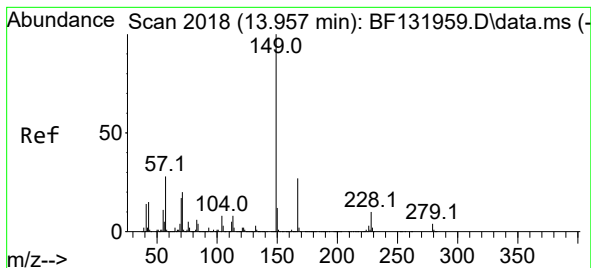


#79
Terphenyl-d14
Concen: 75.583 ng
RT: 12.945 min Scan# 1846
Delta R.T. 0.018 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42



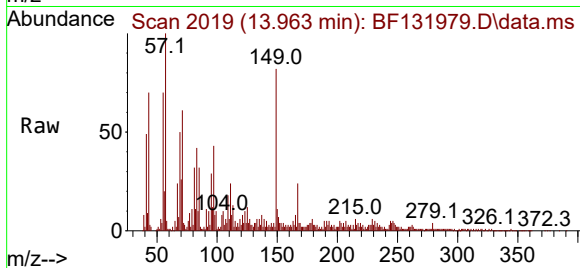
Tgt Ion:244 Resp: 662886
Ion Ratio Lower Upper
244 100
212 8.0 6.3 9.5
122 9.3 6.8 10.2





#84
Bis(2-ethylhexyl)phthalate
Concen: 8.272 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

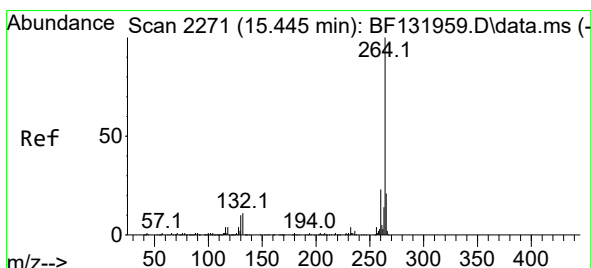
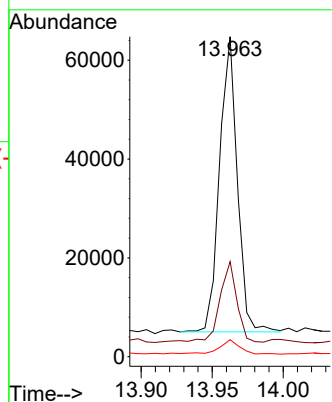
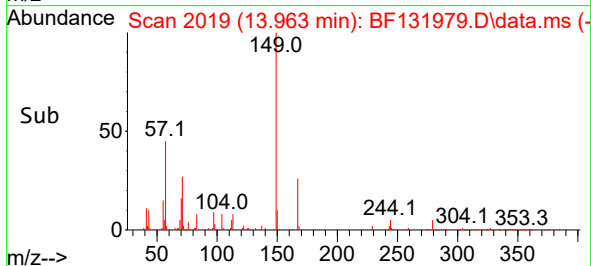
Instrument :
BNA_F
ClientSampleId :
UST-DRUM



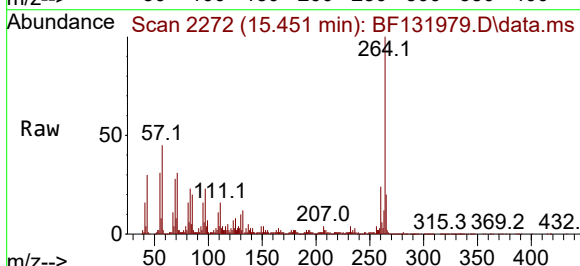
Tgt Ion:149 Resp: 51860
Ion Ratio Lower Upper
149 100
167 29.7 21.3 31.9
279 5.3 3.2 4.8

Manual Integrations
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Reviewed By :Christian Giraldo 01/12/2023
Supervised By :Jagrut Upadhyay 01/12/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2272
Delta R.T. 0.006 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42



Tgt Ion:264 Resp: 146343
Ion Ratio Lower Upper
264 100
260 24.3 18.3 27.5
265 20.5 16.9 25.3

