

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013124\
 Data File : BF137223.D
 Acq On : 31 Jan 2024 21:28
 Operator : CG\JU
 Sample : P1277-03DL2 20X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-40DL2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/01/2024
 Supervised By :Sohil Jodhani 02/02/2024

Quant Time: Feb 01 01:23:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 04:56:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	46671	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	177463	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	98629	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	179621	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	149681	20.000	ng	0.00
86) Perylene-d12	15.451	264	119298	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	11144	3.940	ng	0.00
7) Phenol-d6	6.422	99	14606	3.619	ng	0.00
23) Nitrobenzene-d5	7.351	82	9354	2.360	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	4535	4.071	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	19464	2.713	ng	0.00
79) Terphenyl-d14	12.910	244	21970	1.995	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	243808	25.928	ng	99
72) Anthracene	11.392	178	53873	5.497	ng	97
73) Carbazole	11.551	167	17699	2.161	ng	99
75) Fluoranthene	12.533	202	435811	44.291	ng	98
78) Pyrene	12.763	202	409012	28.434	ng	99
81) Benzo(a)anthracene	13.962	228	198294	18.706	ng	97
83) Chrysene	13.998	228	200359	19.225	ng	98
87) Indeno(1,2,3-cd)pyrene	16.945	276	58882	7.025	ng	98
88) Benzo(b)fluoranthene	15.021	252	182301m	24.848	ng	
89) Benzo(k)fluoranthene	15.045	252	52695m	6.789	ng	
90) Benzo(a)pyrene	15.392	252	114250	16.548	ng	97
91) Dibenzo(a,h)anthracene	16.968	278	14794m	2.203	ng	
92) Benzo(g,h,i)perylene	17.392	276	56168	8.521	ng	97

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

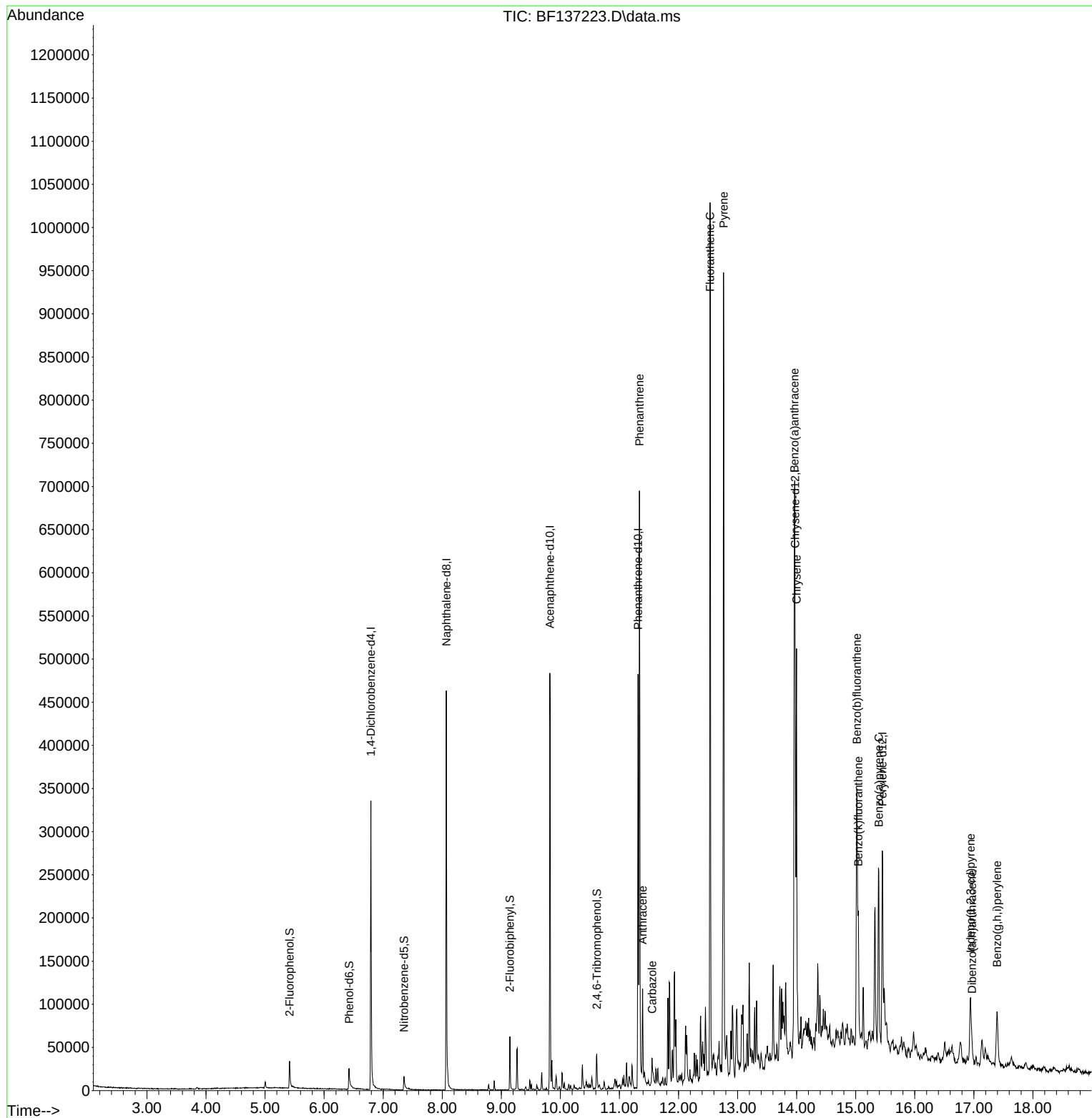
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013124\
Data File : BF137223.D
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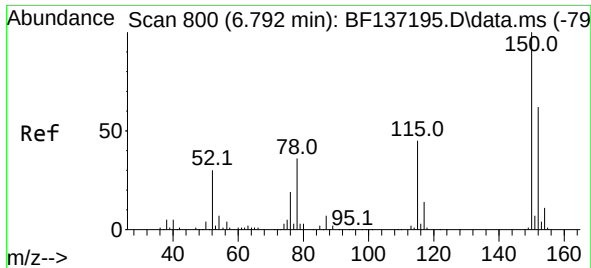
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
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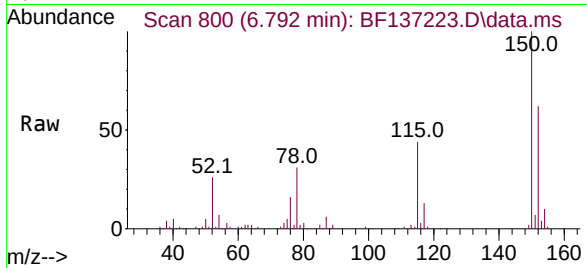
Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF137223.D
Acq: 31 Jan 2024 21:28

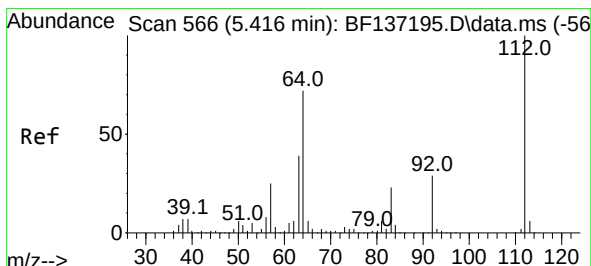
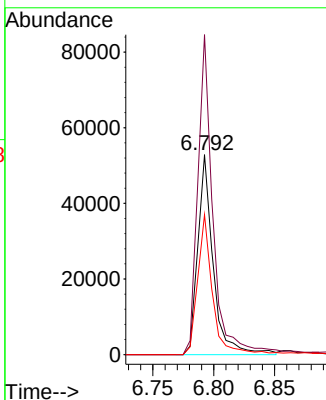
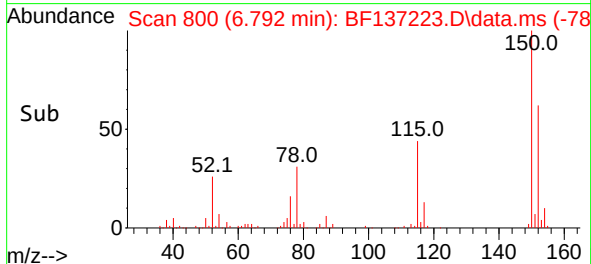
Instrument :
BNA_F
ClientSampleId :
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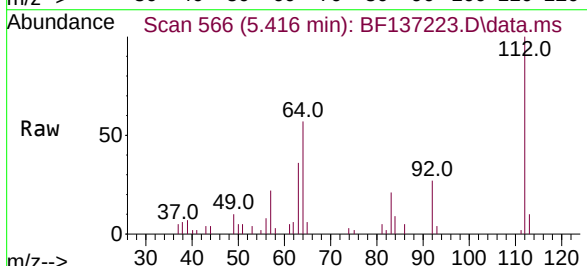
Tgt Ion:152 Resp: 4667
Ion Ratio Lower Upper
152 100
150 160.0 129.8 194.8
115 70.0 58.5 87.7

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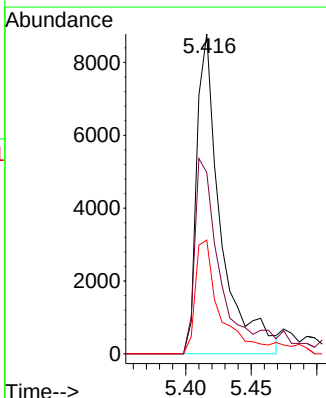
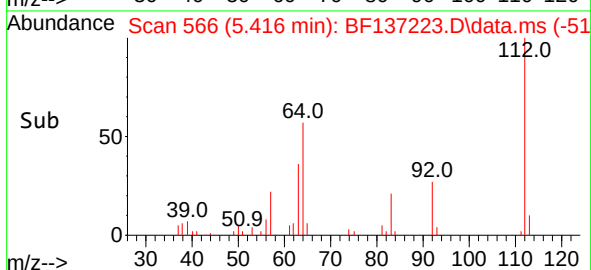
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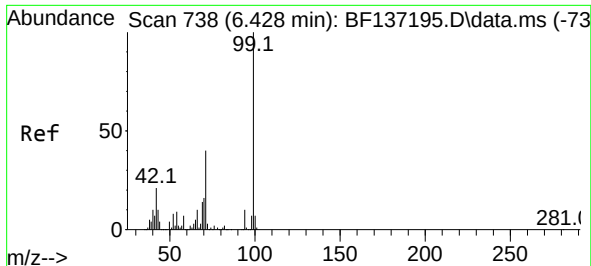


#5
2-Fluorophenol
Concen: 3.940 ng
RT: 5.416 min Scan# 566
Delta R.T. 0.000 min
Lab File: BF137223.D
Acq: 31 Jan 2024 21:28



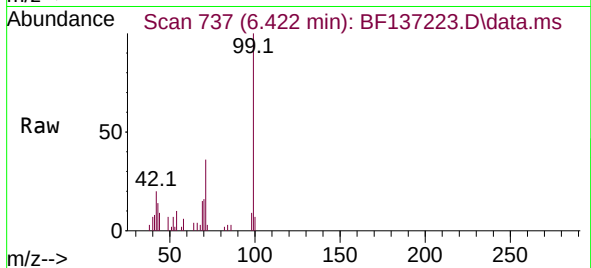
Tgt Ion:112 Resp: 11144
Ion Ratio Lower Upper
112 100
64 56.7 57.8 86.6#
63 35.5 31.4 47.0





#7
Phenol-d6
Concen: 3.619 ng
RT: 6.422 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF137223.D
Acq: 31 Jan 2024 21:28

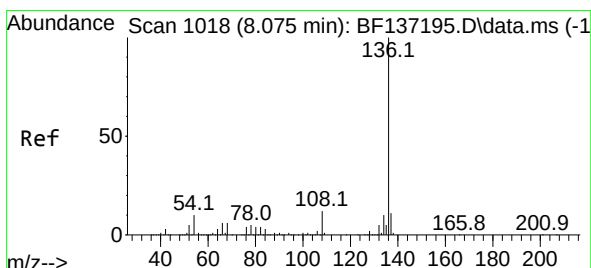
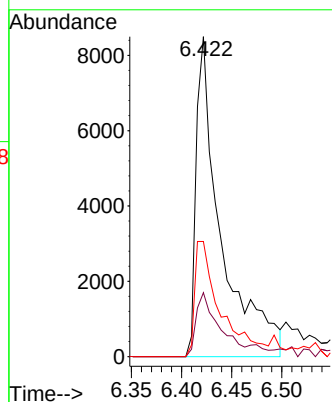
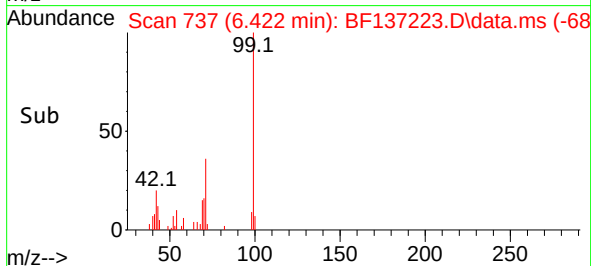
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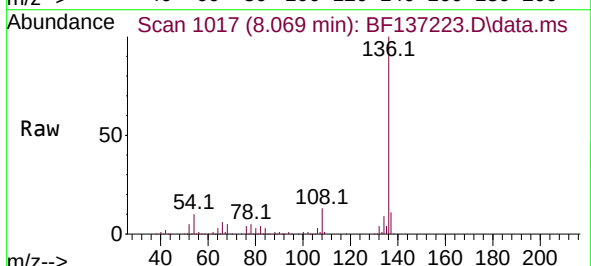
Tgt Ion: 99 Resp: 14606
Ion Ratio Lower Upper
99 100
42 20.0 16.4 24.6
71 36.0 32.4 48.6

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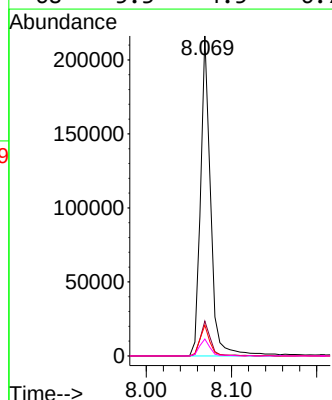
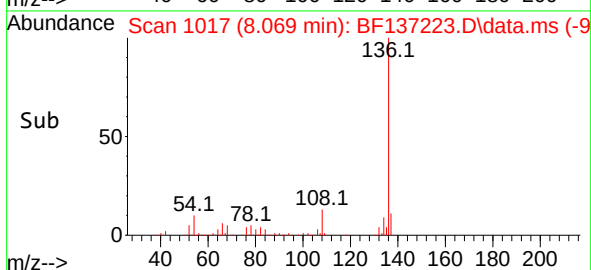
Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024

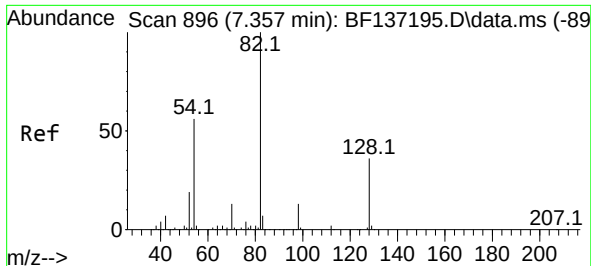


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF137223.D
Acq: 31 Jan 2024 21:28



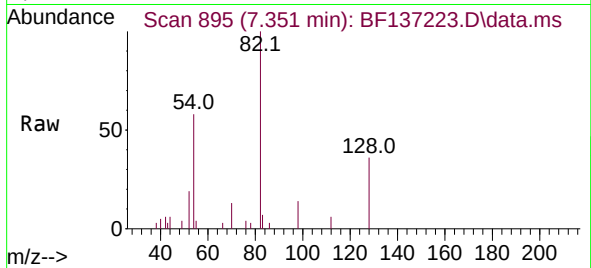
Tgt Ion:136 Resp: 177463
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 9.6 7.8 11.8
68 5.3 4.5 6.7





#23
Nitrobenzene-d5
Concen: 2.360 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF137223.D
Acq: 31 Jan 2024 21:28

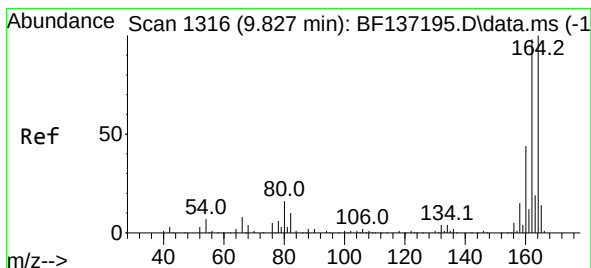
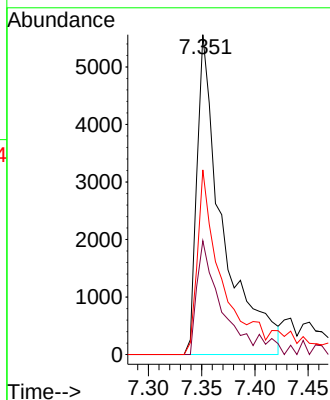
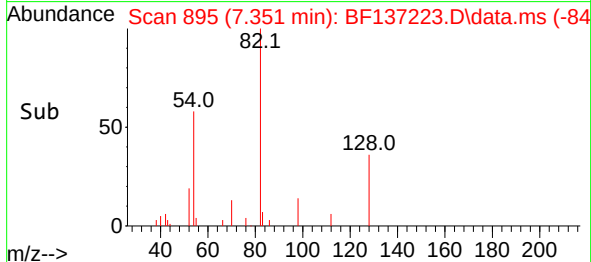
Instrument :
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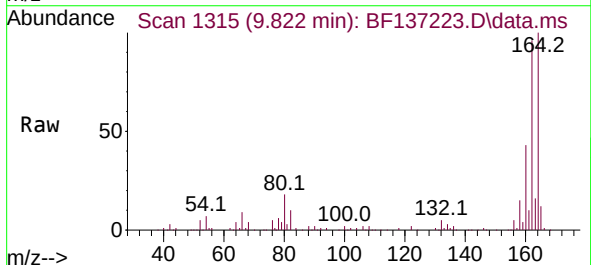
Tgt Ion: 82 Resp: 9354
Ion Ratio Lower Upper
82 100
128 35.6 29.1 43.7
54 57.7 45.0 67.6

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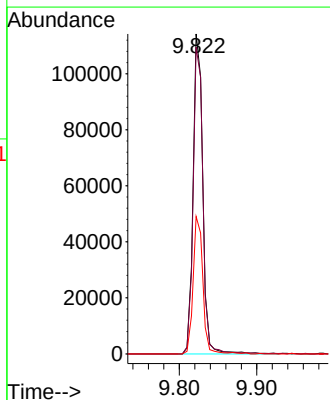
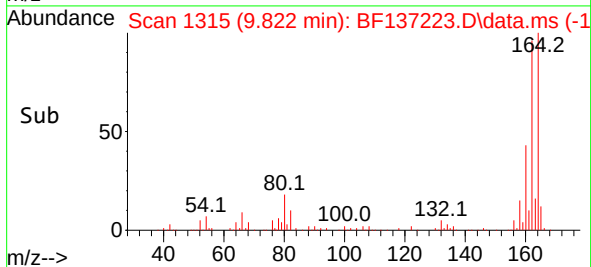
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Supervised By :Sohil Jodhani 02/02/2024

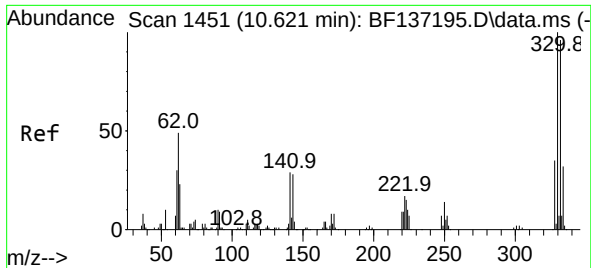


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.005 min
Lab File: BF137223.D
Acq: 31 Jan 2024 21:28



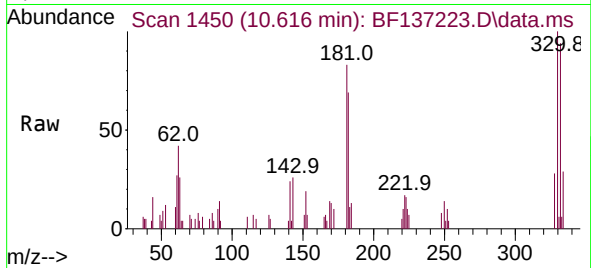
Tgt Ion:164 Resp: 98629
Ion Ratio Lower Upper
164 100
162 95.8 78.3 117.5
160 42.9 35.4 53.2





#42
2,4,6-Tribromophenol
Concen: 4.071 ng
RT: 10.616 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF137223.D
Acq: 31 Jan 2024 21:28

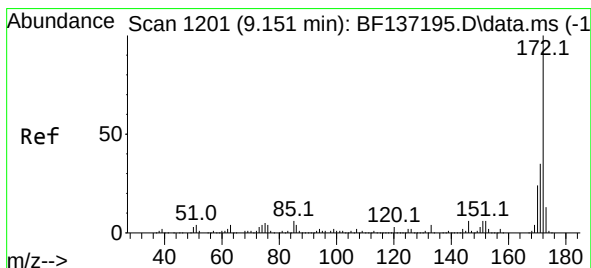
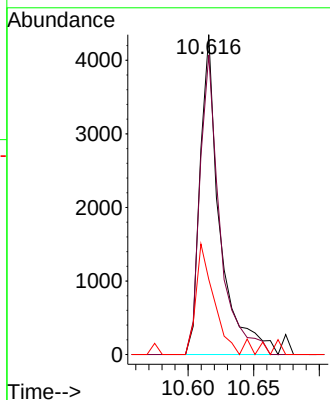
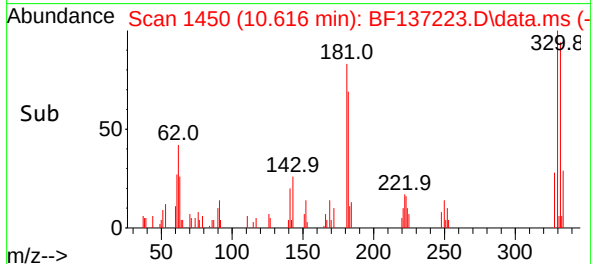
Instrument :
BNA_F
ClientSampleId :
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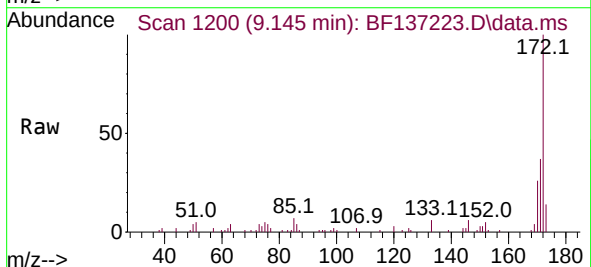
Tgt Ion: 330 Resp: 4535
Ion Ratio Lower Upper
330 100
332 95.1 77.3 115.9
141 31.1 25.2 37.8

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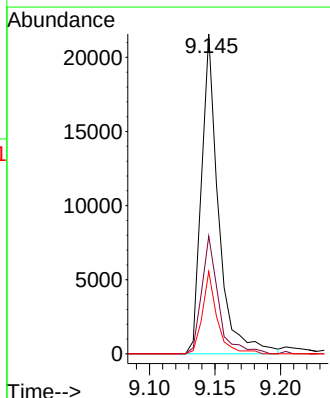
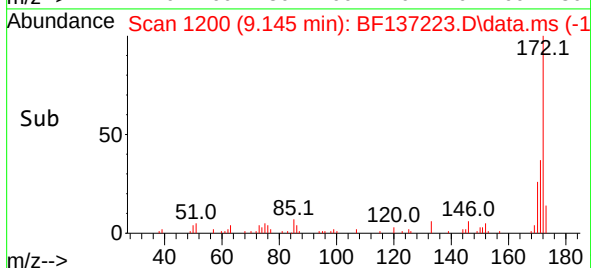
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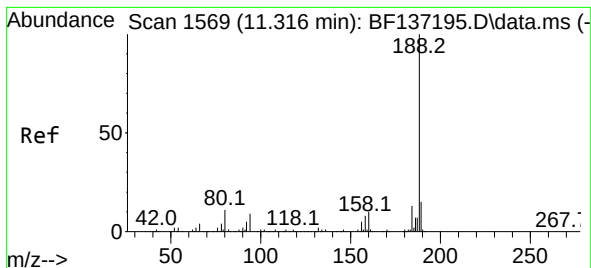


#45
2-Fluorobiphenyl
Concen: 2.713 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF137223.D
Acq: 31 Jan 2024 21:28



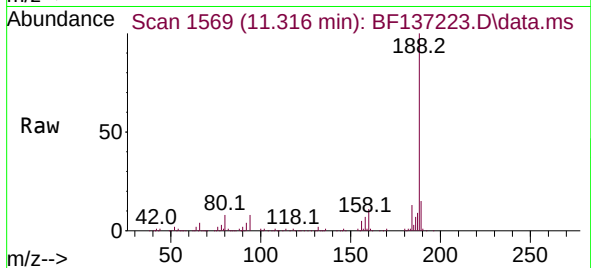
Tgt Ion: 172 Resp: 19464
Ion Ratio Lower Upper
172 100
171 36.8 28.3 42.5
170 25.7 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF137223.D
Acq: 31 Jan 2024 21:28

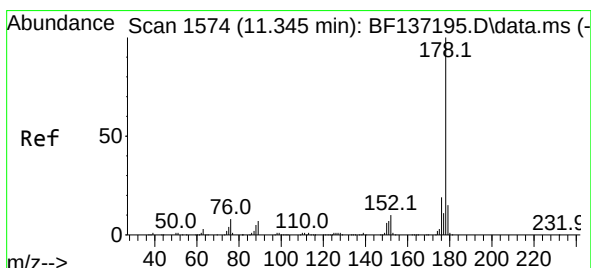
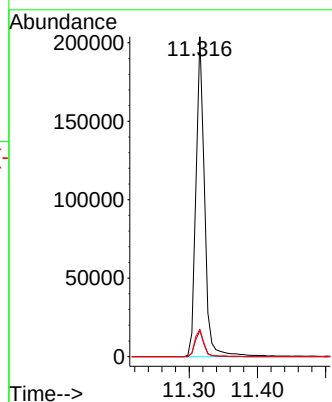
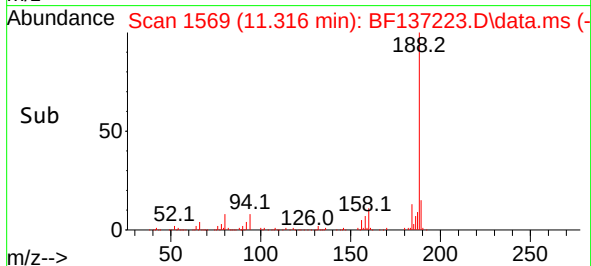
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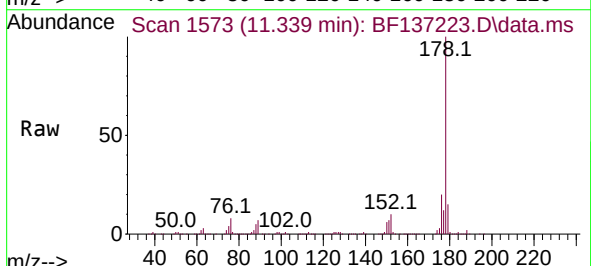
Tgt Ion:188 Resp: 179621
Ion Ratio Lower Upper
188 100
94 8.2 7.0 10.4
80 8.5 8.8 13.2

Manual Integrations
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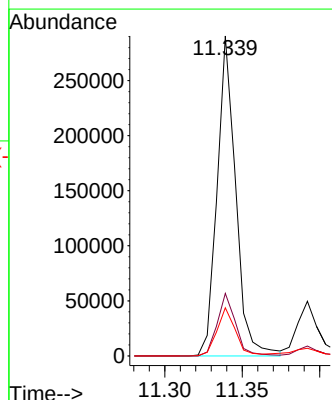
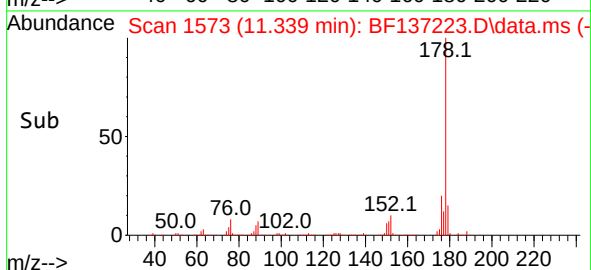
Reviewed By :Jagrut Upadhyay 02/01/2024
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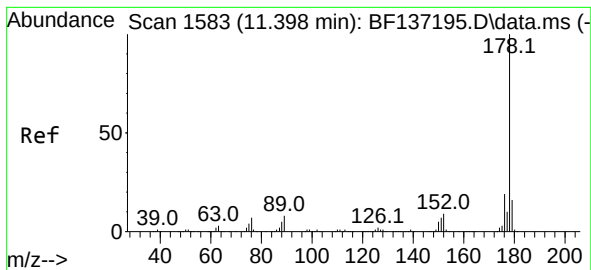


#71
Phenanthrene
Concen: 25.928 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF137223.D
Acq: 31 Jan 2024 21:28



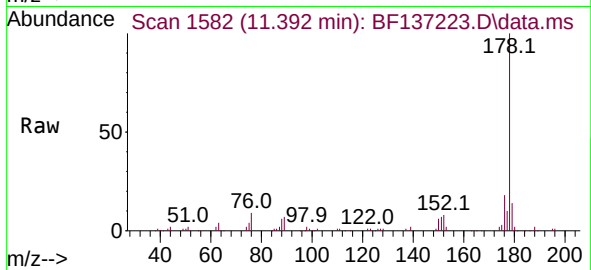
Tgt Ion:178 Resp: 243808
Ion Ratio Lower Upper
178 100
176 19.5 15.1 22.7
179 15.0 12.1 18.1





#72
 Anthracene
 Concen: 5.497 ng
 RT: 11.392 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28

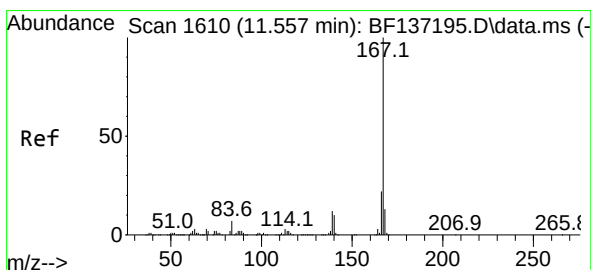
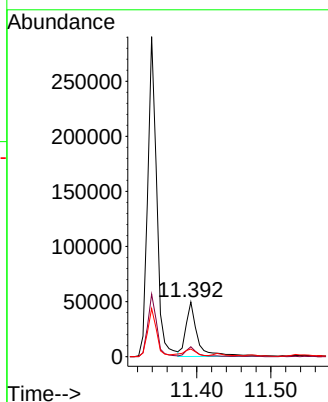
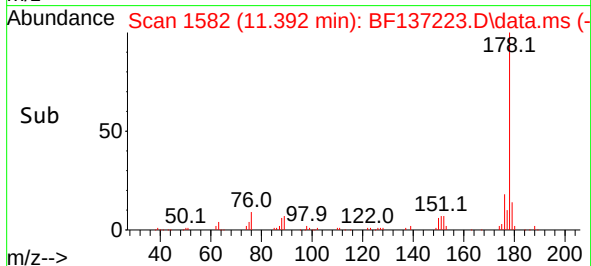
Instrument :
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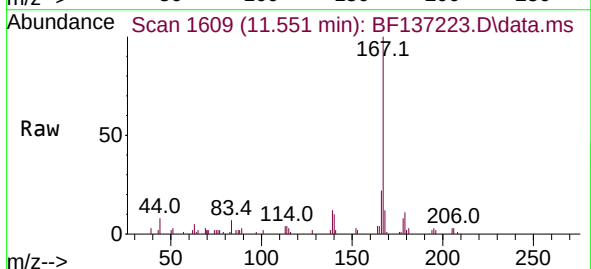
Tgt Ion:178 Resp: 53873
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.3 22.9
 179 13.8 12.7 19.1

Manual Integrations
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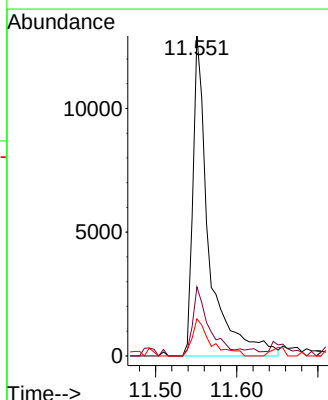
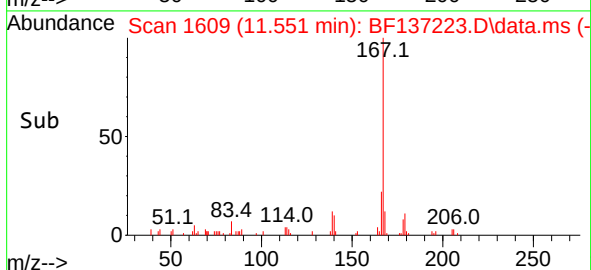
Reviewed By :Jagrut Upadhyay 02/01/2024
 Supervised By :Sohil Jodhani 02/02/2024

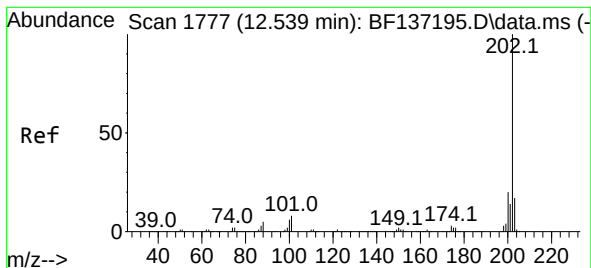


#73
 Carbazole
 Concen: 2.161 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28



Tgt Ion:167 Resp: 17699
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.6 26.4
 139 11.6 9.7 14.5





#75

Fluoranthene

Concen: 44.291 ng

RT: 12.533 min Scan# 1776

Delta R.T. -0.006 min

Lab File: BF137223.D

Acq: 31 Jan 2024 21:28

Instrument :

BNA_F

ClientSampleId :

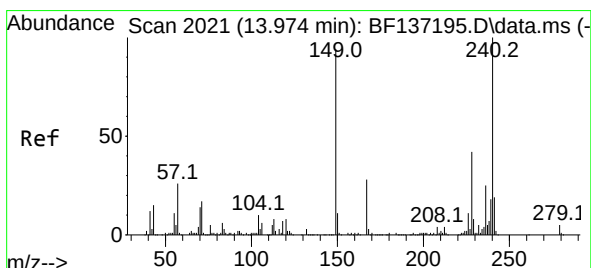
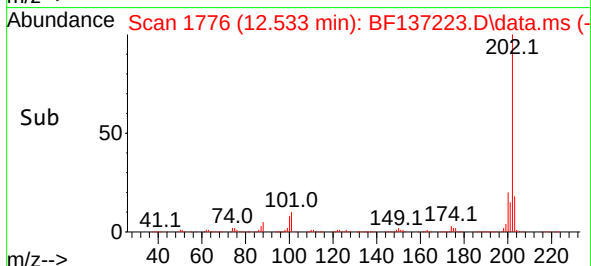
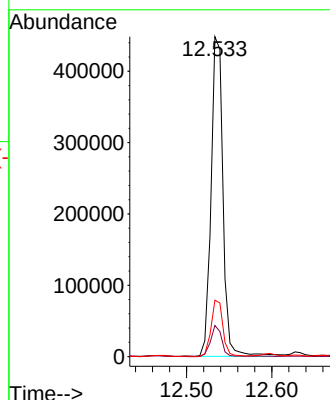
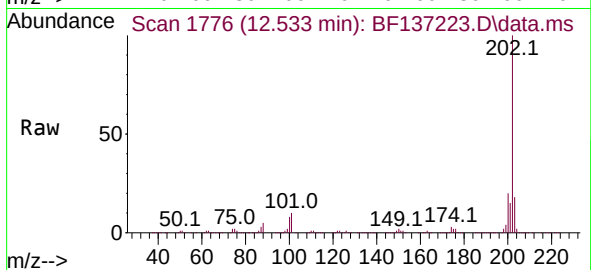
TP-40DL2

Tgt Ion:	202	Resp:	43581
Ion Ratio	Lower	Upper	
202	100		
101	9.7	0.0	28.4
203	17.6	0.0	37.3

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#76

Chrysene-d12

Concen: 20.000 ng

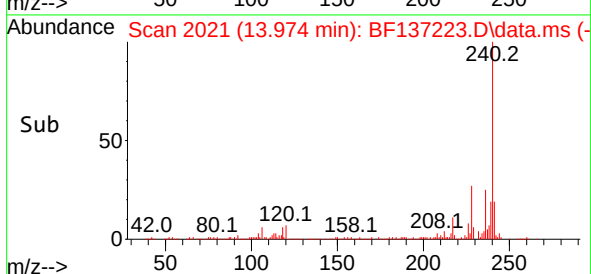
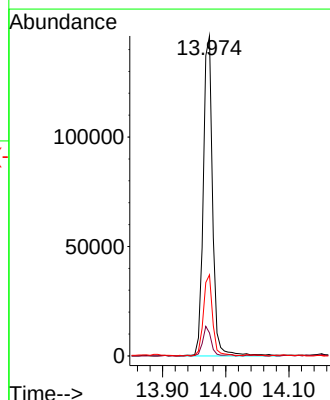
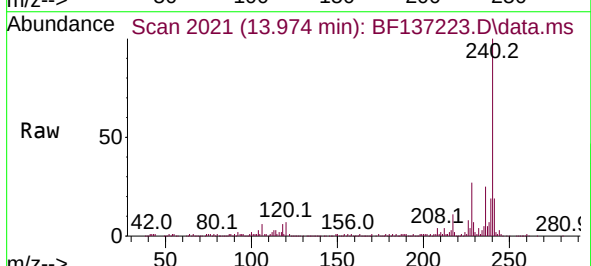
RT: 13.974 min Scan# 2021

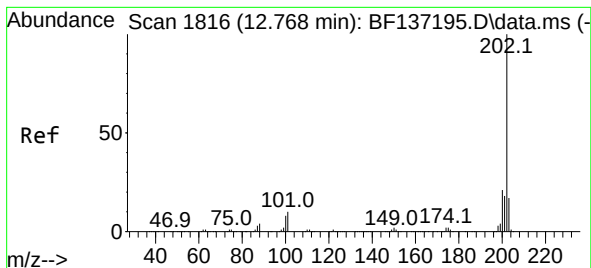
Delta R.T. 0.000 min

Lab File: BF137223.D

Acq: 31 Jan 2024 21:28

Tgt Ion:	240	Resp:	149681
Ion Ratio	Lower	Upper	
240	100		
120	7.2	6.3	9.5
236	25.3	20.3	30.5





#78

Pyrene

Concen: 28.434 ng

RT: 12.763 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF137223.D

Acq: 31 Jan 2024 21:28

Instrument :

BNA_F

ClientSampleId :

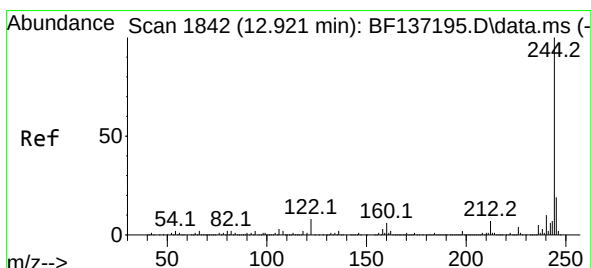
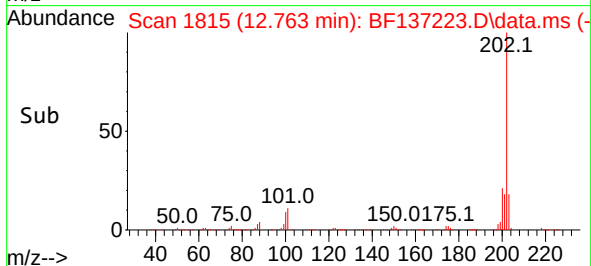
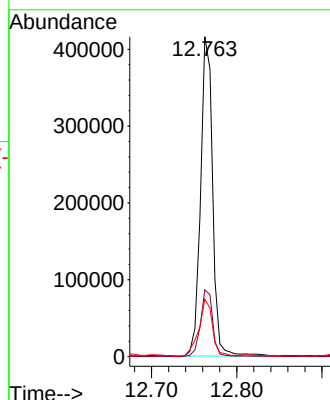
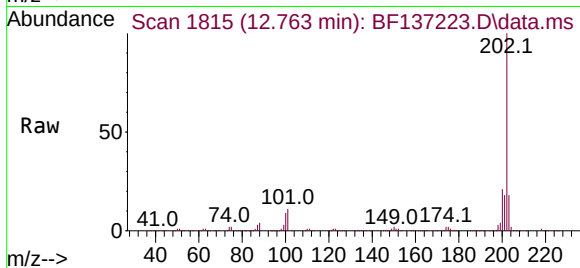
TP-40DL2

Tgt Ion:202	Resp: 409012
Ion Ratio	Lower Upper
202 100	
200 20.9	16.5 24.7
203 17.9	13.8 20.6

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Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024



#79

Terphenyl-d14

Concen: 1.995 ng

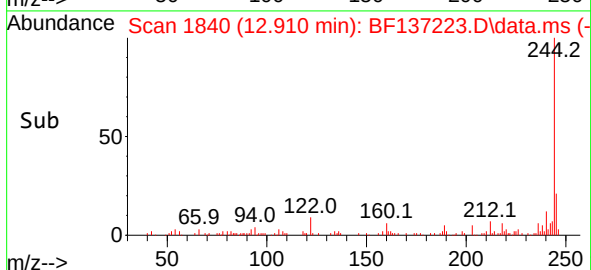
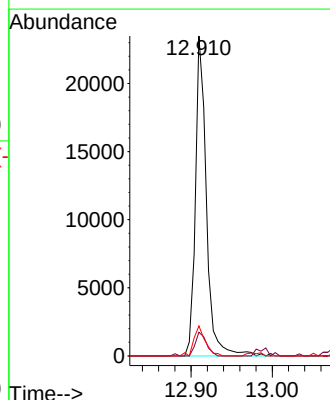
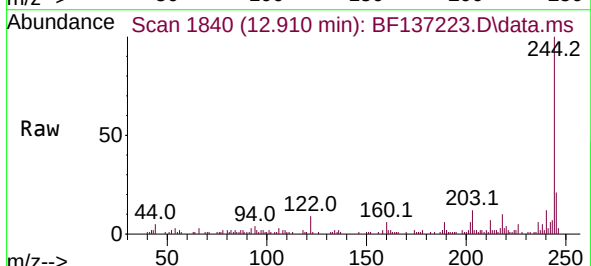
RT: 12.910 min Scan# 1840

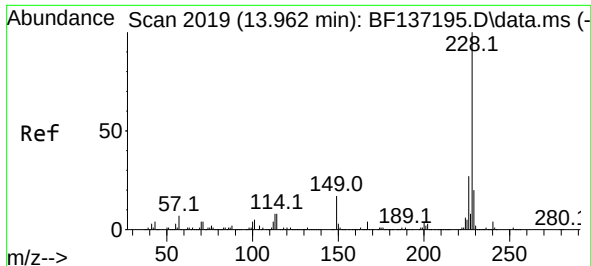
Delta R.T. -0.012 min

Lab File: BF137223.D

Acq: 31 Jan 2024 21:28

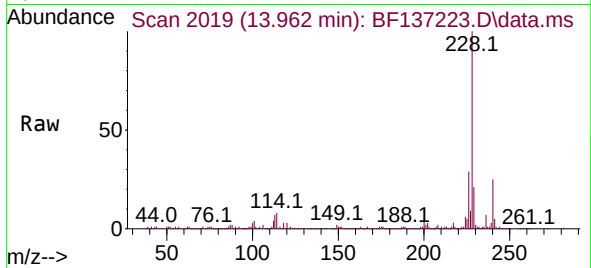
Tgt Ion:244	Resp: 21970
Ion Ratio	Lower Upper
244 100	
212 7.4	5.5 8.3
122 9.4	6.2 9.4





#81
Benzo(a)anthracene
Concen: 18.706 ng
RT: 13.962 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF137223.D
Acq: 31 Jan 2024 21:28

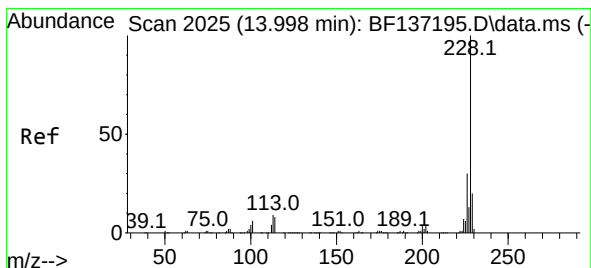
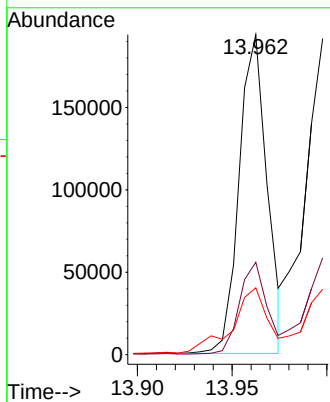
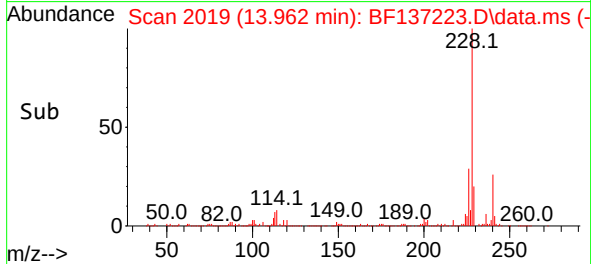
Instrument :
BNA_F
ClientSampleId :
TP-40DL2



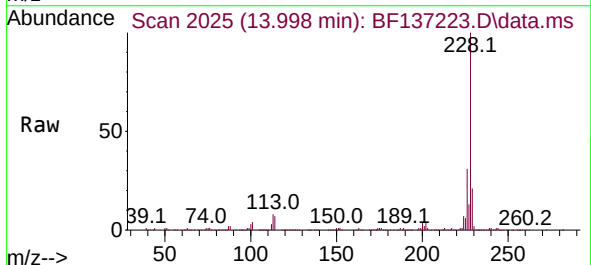
Tgt Ion:228 Resp: 198294
Ion Ratio Lower Upper
228 100
226 28.9 21.6 32.4
229 20.9 15.8 23.6

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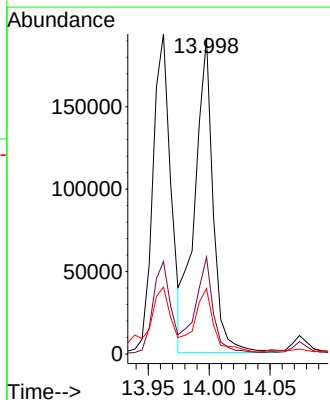
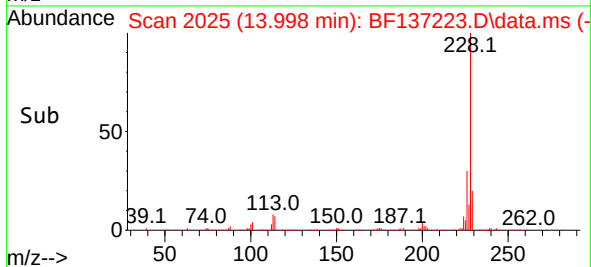
Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024

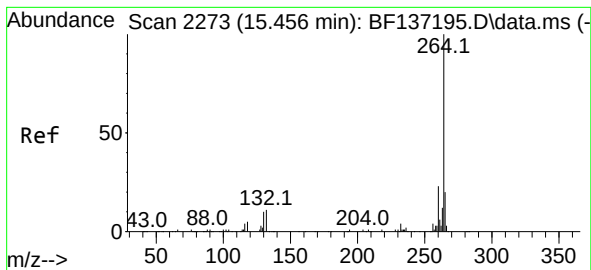


#83
Chrysene
Concen: 19.225 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF137223.D
Acq: 31 Jan 2024 21:28



Tgt Ion:228 Resp: 200359
Ion Ratio Lower Upper
228 100
226 30.6 23.7 35.5
229 20.7 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137223.D

Acq: 31 Jan 2024 21:28

Instrument :

BNA_F

ClientSampleId :

TP-40DL2

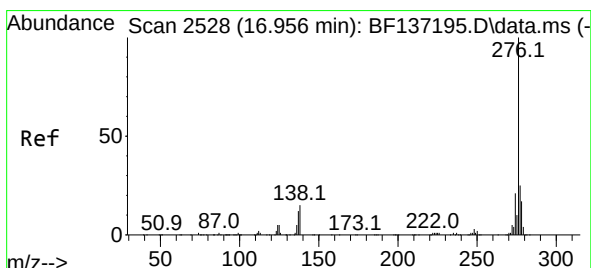
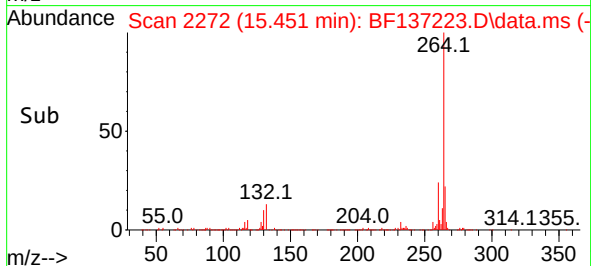
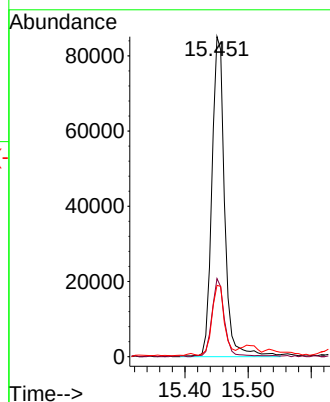
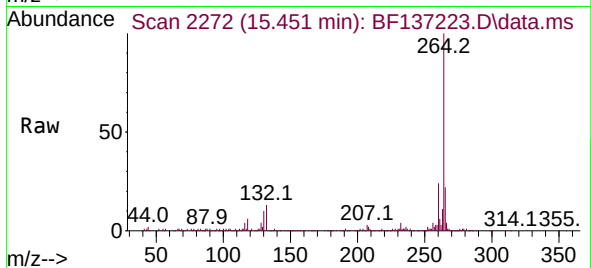
Tgt Ion:264 Resp: 119298

Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.2	27.4
265	22.3	16.2	24.2

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Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.025 ng

RT: 16.945 min Scan# 2526

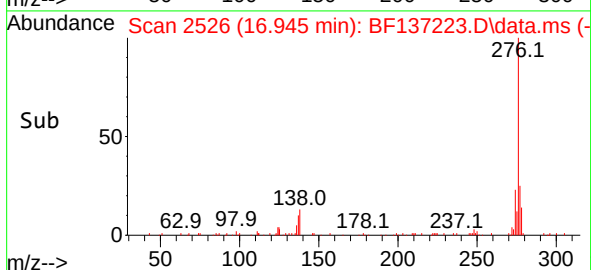
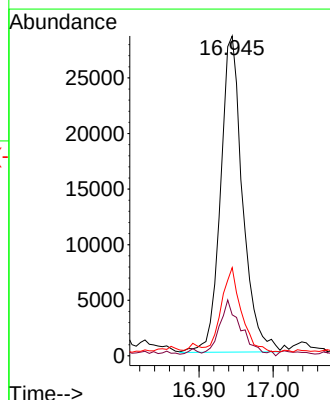
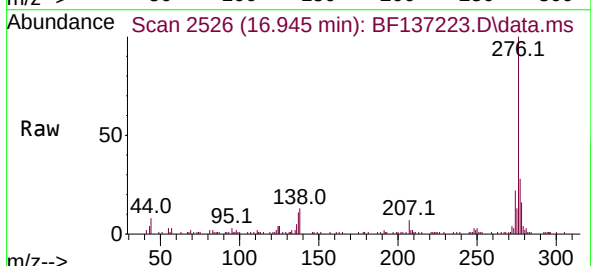
Delta R.T. -0.012 min

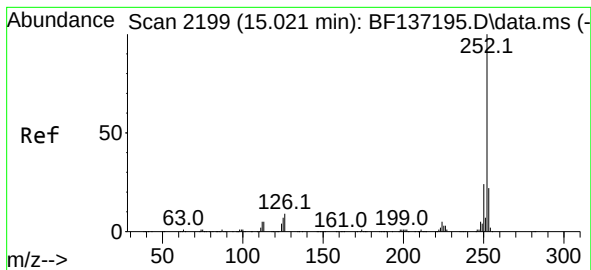
Lab File: BF137223.D

Acq: 31 Jan 2024 21:28

Tgt Ion:276 Resp: 58882

Ion	Ratio	Lower	Upper
276	100		
138	17.5	14.6	21.8
277	24.3	20.2	30.2





#88

Benzo(b)fluoranthene

Concen: 24.848 ng m

RT: 15.021 min Scan# 2199

Delta R.T. 0.000 min

Lab File: BF137223.D

Acq: 31 Jan 2024 21:28

Instrument :

BNA_F

ClientSampleId :

TP-40DL2

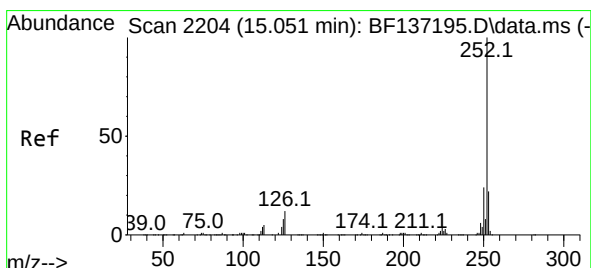
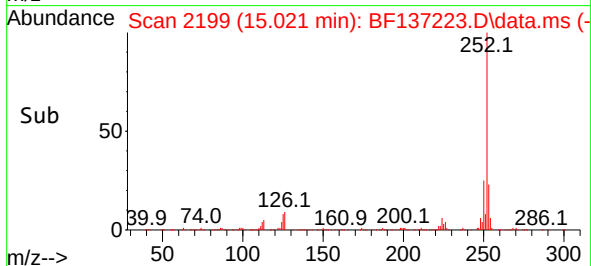
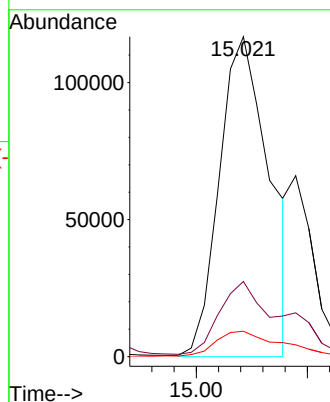
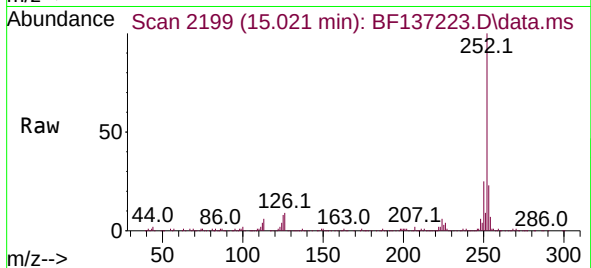
Tgt Ion:252 Resp: 182301

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	7.9	5.4	8.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024



#89

Benzo(k)fluoranthene

Concen: 6.789 ng m

RT: 15.045 min Scan# 2203

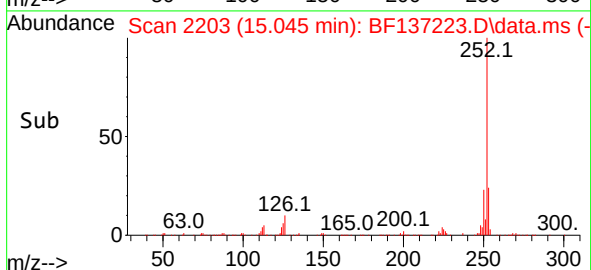
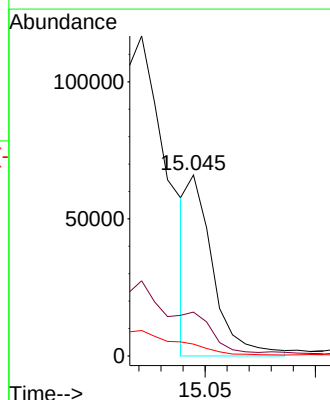
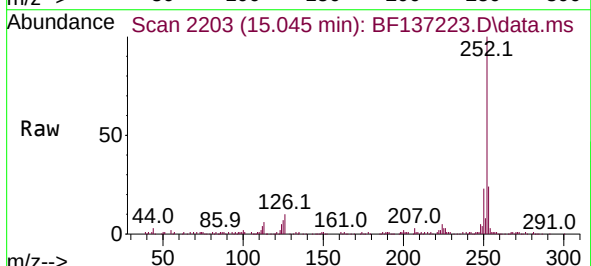
Delta R.T. -0.006 min

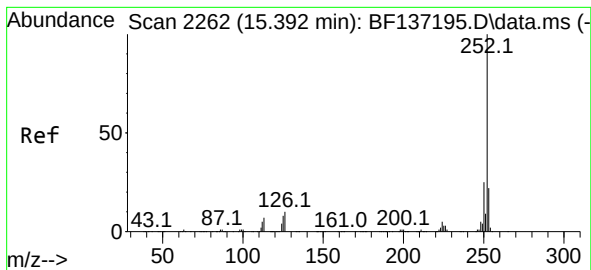
Lab File: BF137223.D

Acq: 31 Jan 2024 21:28

Tgt Ion:252 Resp: 52695

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.6
125	6.5	5.9	8.9





#90

Benzo(a)pyrene

Concen: 16.548 ng

RT: 15.392 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF137223.D

Acq: 31 Jan 2024 21:28

Instrument :

BNA_F

ClientSampleId :

TP-40DL2

Tgt Ion:252 Resp: 114250

Ion Ratio Lower Upper

252 100

253 20.8 17.8 26.6

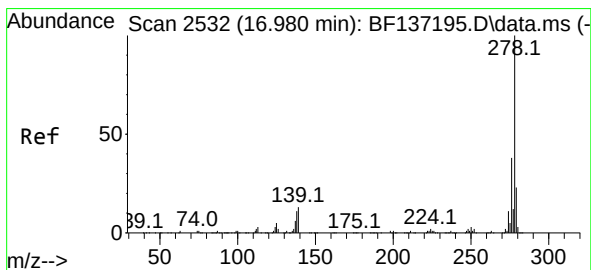
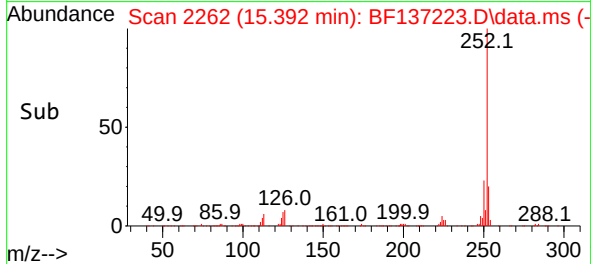
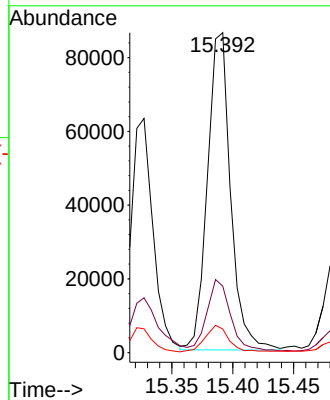
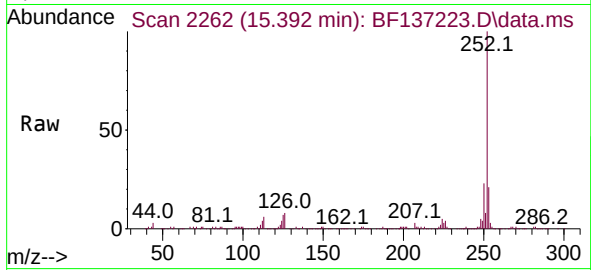
125 7.4 6.5 9.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/01/2024

Supervised By :Sohil Jodhani 02/02/2024



#91

Dibenzo(a,h)anthracene

Concen: 2.203 ng m

RT: 16.968 min Scan# 2530

Delta R.T. -0.012 min

Lab File: BF137223.D

Acq: 31 Jan 2024 21:28

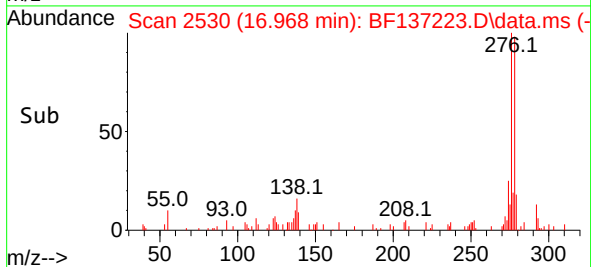
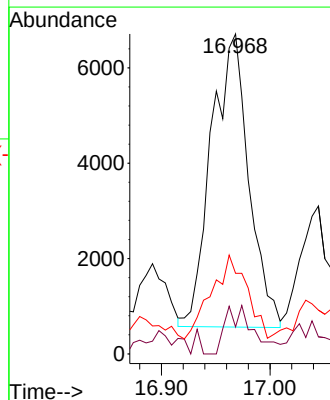
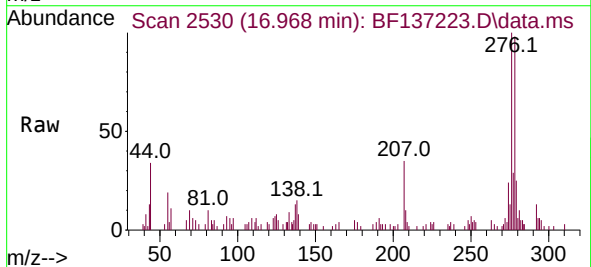
Tgt Ion:278 Resp: 14794

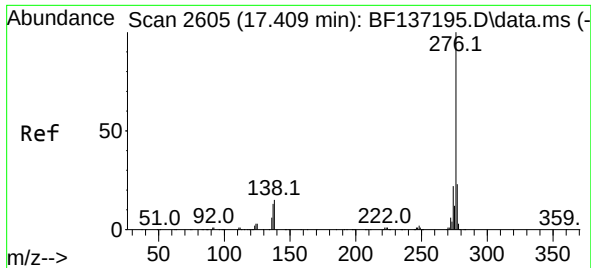
Ion Ratio Lower Upper

278 100

139 8.4 10.0 15.0#

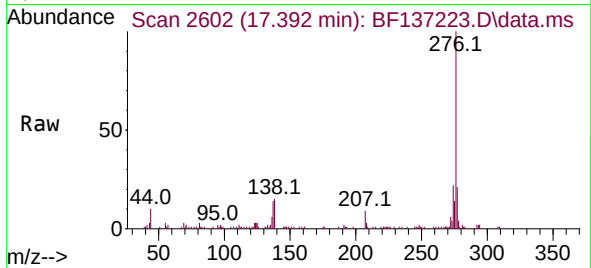
279 25.2 18.5 27.7





#92
 Benzo(g,h,i)perylene
 Concen: 8.521 ng
 RT: 17.392 min Scan# 2602
 Delta R.T. -0.018 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28

Instrument :
 BNA_F
 ClientSampleId :
 TP-40DL2



Tgt Ion:276 Resp: 56168
 Ion Ratio Lower Upper
 276 100
 277 20.7 18.4 27.6
 138 15.2 11.8 17.8

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/01/2024
 Supervised By :Sohil Jodhani 02/02/2024

