

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013124\
 Data File : BF137210.D
 Acq On : 31 Jan 2024 15:03
 Operator : CG\JU
 Sample : P1297-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-013024

Quant Time: Feb 01 01:16:45 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	41175	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	147893	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	83178	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	164998	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	154875	20.000	ng	0.00
86) Perylene-d12	15.451	264	116743	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	72273	28.963	ng	0.00
7) Phenol-d6	6.416	99	86847	24.388	ng	-0.01
23) Nitrobenzene-d5	7.345	82	56795	17.194	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	26184	27.874	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	113159	18.702	ng	0.00
79) Terphenyl-d14	12.916	244	159734	14.021	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	53294	6.170	ng	98
72) Anthracene	11.392	178	24226	2.691	ng	95
75) Fluoranthene	12.533	202	153877	17.024	ng	96
78) Pyrene	12.763	202	140349	9.430	ng	98
81) Benzo(a)anthracene	13.963	228	104255	9.505	ng	98
83) Chrysene	13.998	228	96149	8.916	ng	99
87) Indeno(1,2,3-cd)pyrene	16.939	276	28691	3.498	ng	97
88) Benzo(b)fluoranthene	15.021	252	99912m	13.916	ng	
89) Benzo(k)fluoranthene	15.045	252	30696m	4.042	ng	
90) Benzo(a)pyrene	15.386	252	62403	9.236	ng	# 96
92) Benzo(g,h,i)perylene	17.392	276	29386	4.556	ng	95

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

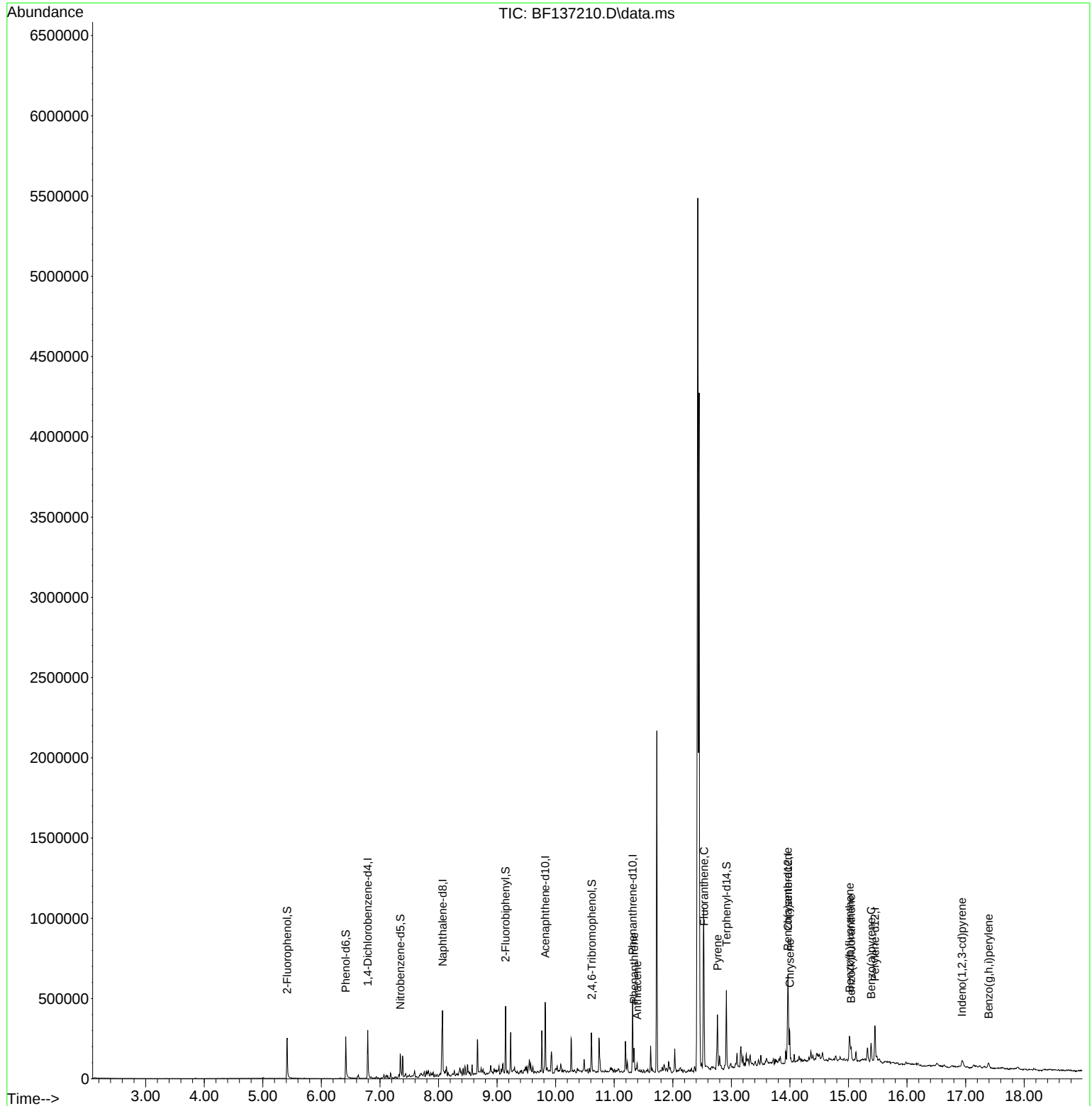
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013124\
Data File : BF137210.D
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Misc :
ALS Vial : 10 Sample Multiplier: 1

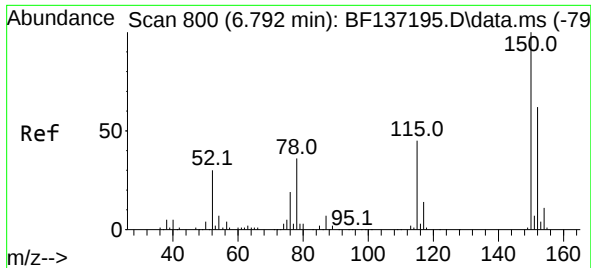
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TR-05-013024

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
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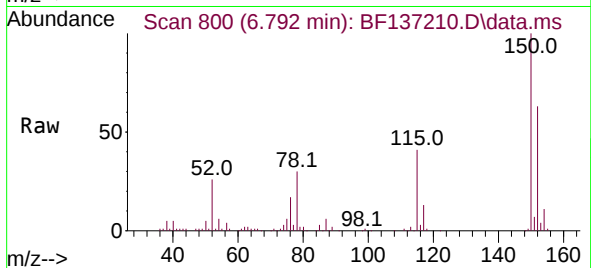
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF137210.D
Acq: 31 Jan 2024 15:03

Instrument :

BNA_F

ClientSampleId :

TR-05-013024

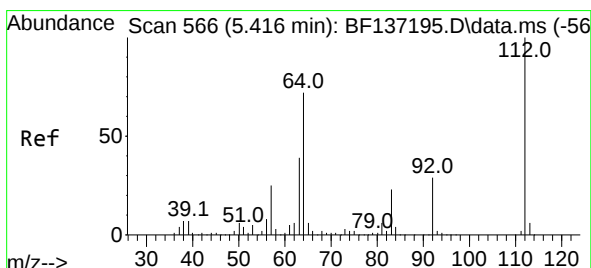
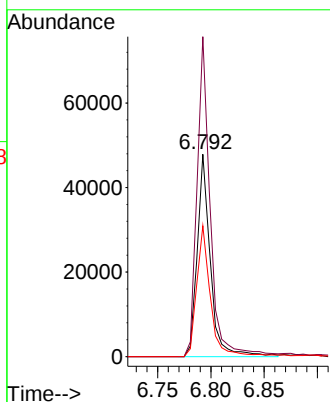
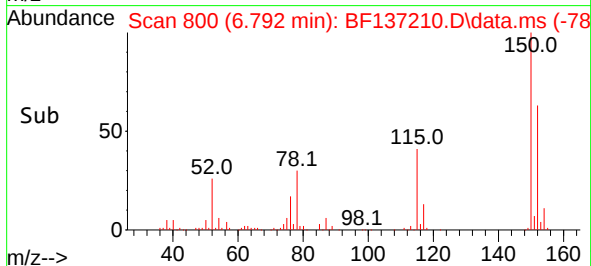


Tgt Ion:152 Resp: 41175
Ion Ratio Lower Upper
152 100
150 158.1 129.8 194.8
115 64.6 58.5 87.7

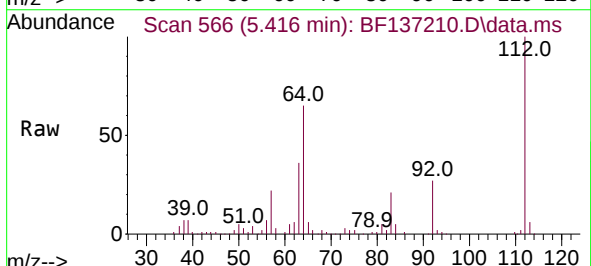
Manual Integrations

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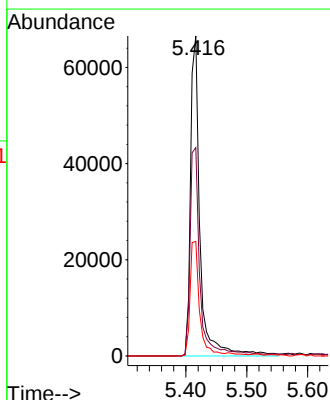
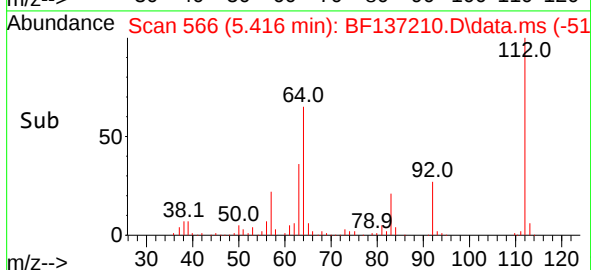
Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024

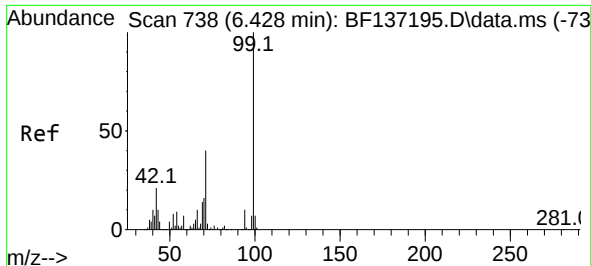


#5
2-Fluorophenol
Concen: 28.963 ng
RT: 5.416 min Scan# 566
Delta R.T. 0.000 min
Lab File: BF137210.D
Acq: 31 Jan 2024 15:03



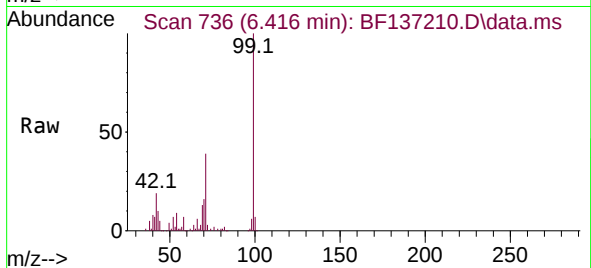
Tgt Ion:112 Resp: 72273
Ion Ratio Lower Upper
112 100
64 65.1 57.8 86.6
63 35.8 31.4 47.0





#7
Phenol-d6
Concen: 24.388 ng
RT: 6.416 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF137210.D
Acq: 31 Jan 2024 15:03

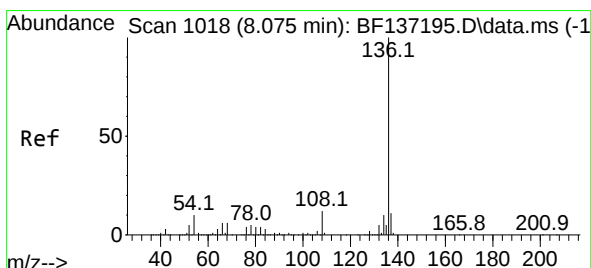
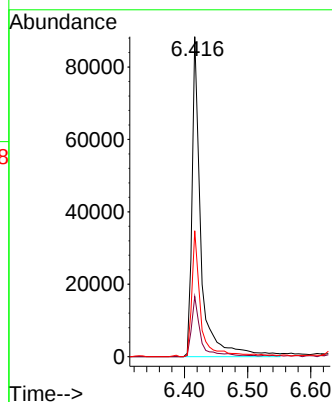
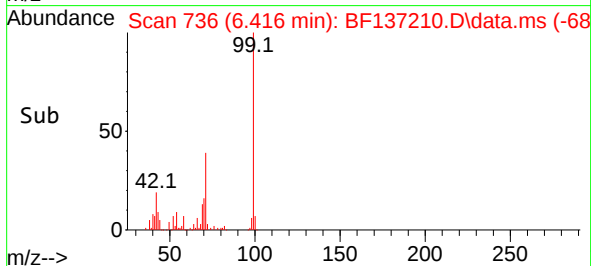
Instrument :
BNA_F
ClientSampleId :
TR-05-013024



Tgt Ion: 99 Resp: 8684
Ion Ratio Lower Upper
99 100
42 18.8 16.4 24.6
71 39.3 32.4 48.6

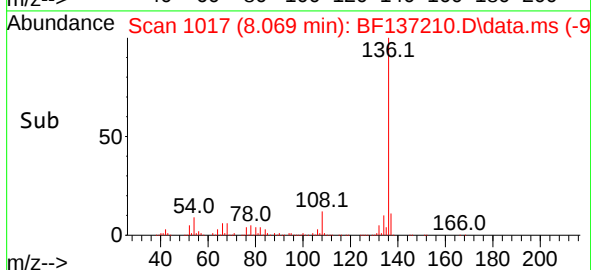
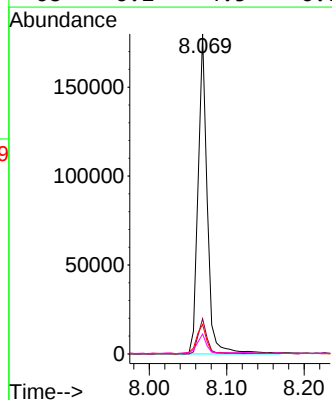
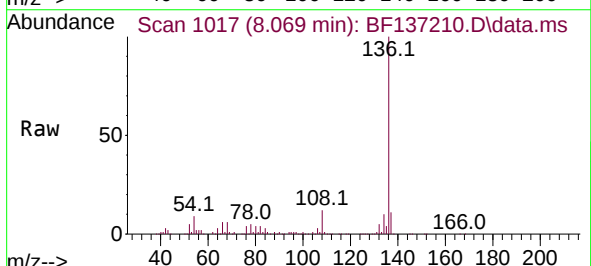
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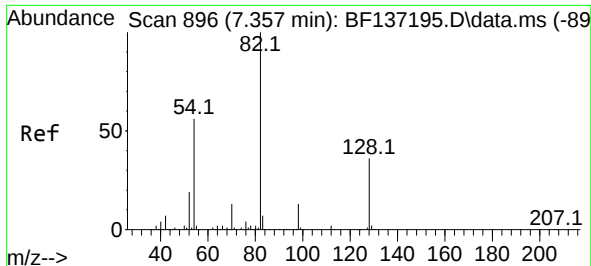
Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF137210.D
Acq: 31 Jan 2024 15:03

Tgt Ion:136 Resp: 147893
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 9.2 7.8 11.8
68 6.2 4.5 6.7





#23
Nitrobenzene-d5
Concen: 17.194 ng
RT: 7.345 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF137210.D
Acq: 31 Jan 2024 15:03

Instrument :

BNA_F

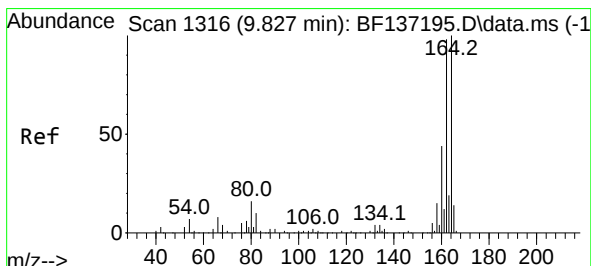
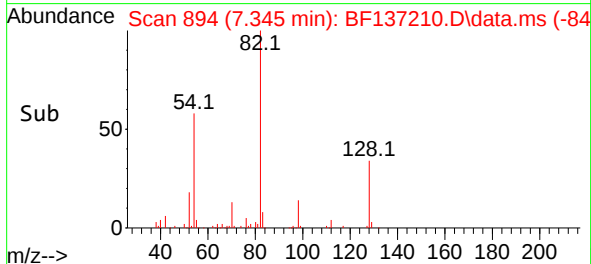
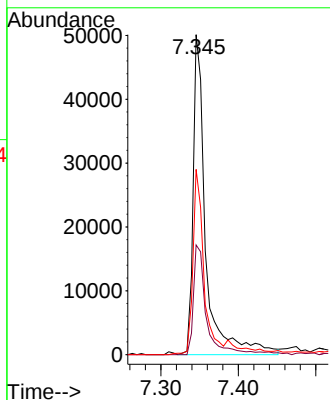
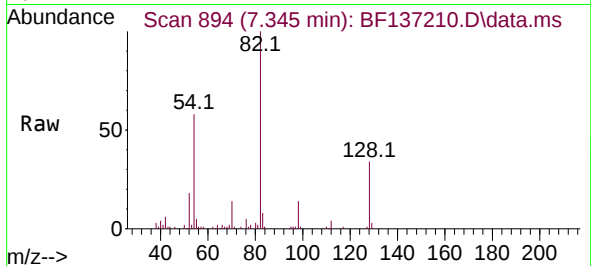
ClientSampleId :

TR-05-013024

Tgt Ion: 82 Resp: 56795
Ion Ratio Lower Upper
82 100
128 34.3 29.1 43.7
54 57.9 45.0 67.6

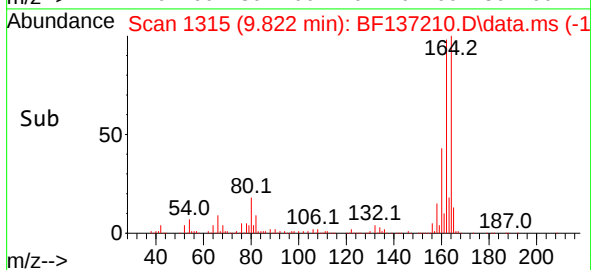
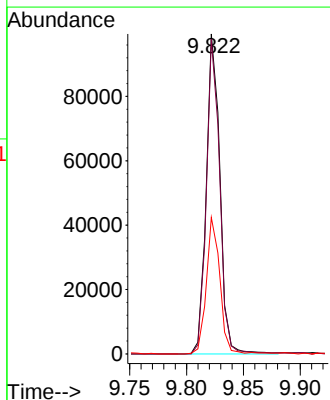
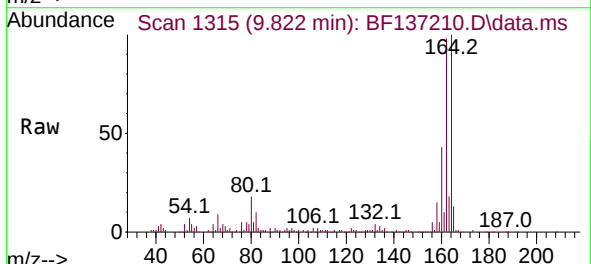
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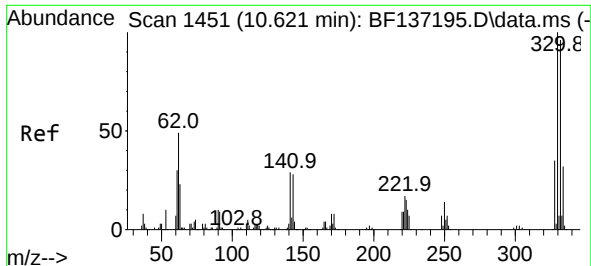
Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.005 min
Lab File: BF137210.D
Acq: 31 Jan 2024 15:03

Tgt Ion:164 Resp: 83178
Ion Ratio Lower Upper
164 100
162 98.3 78.3 117.5
160 42.6 35.4 53.2





#42
2,4,6-Tribromophenol
Concen: 27.874 ng
RT: 10.616 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF137210.D
Acq: 31 Jan 2024 15:03

Instrument :

BNA_F

ClientSampleId :

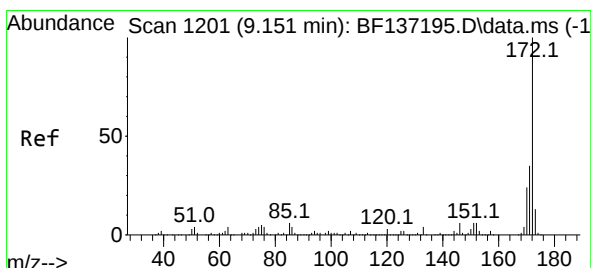
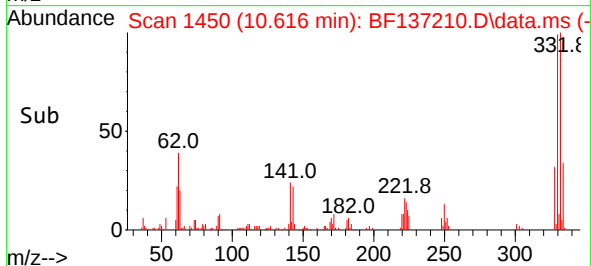
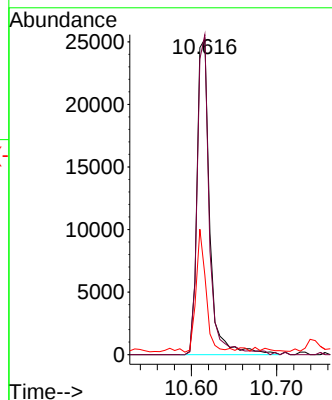
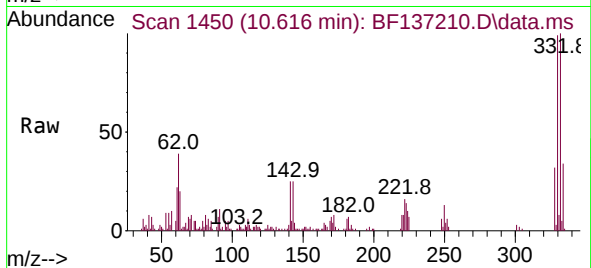
TR-05-013024

Tgt Ion: 330 Resp: 26184
Ion Ratio Lower Upper
330 100
332 96.4 77.3 115.9
141 29.9 25.2 37.8

Manual Integrations

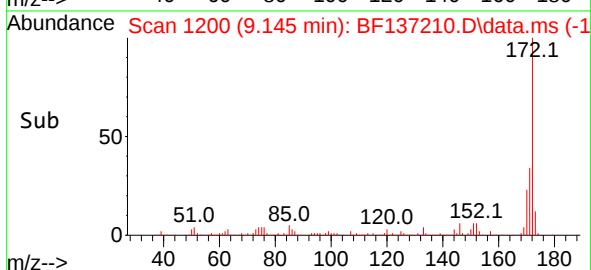
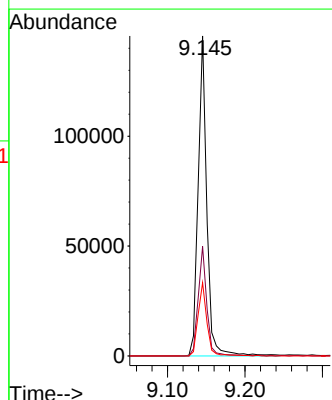
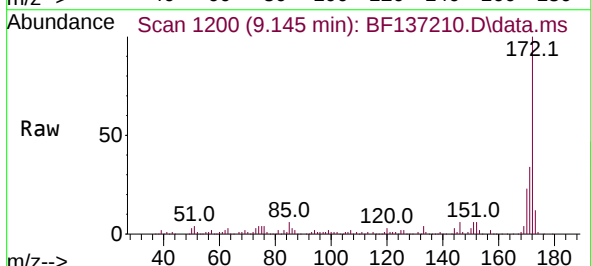
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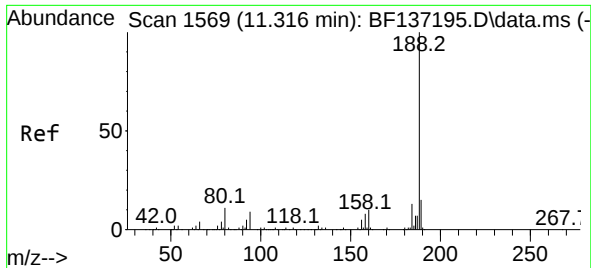
Reviewed By : Jagrut Upadhyay 02/01/2024
Supervised By : Sohil Jodhani 02/02/2024



#45
2-Fluorobiphenyl
Concen: 18.702 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF137210.D
Acq: 31 Jan 2024 15:03

Tgt Ion: 172 Resp: 113159
Ion Ratio Lower Upper
172 100
171 34.2 28.3 42.5
170 22.9 19.1 28.7





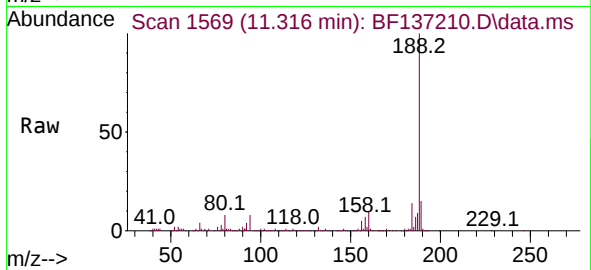
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF137210.D
Acq: 31 Jan 2024 15:03

Instrument :

BNA_F

ClientSampleId :

TR-05-013024

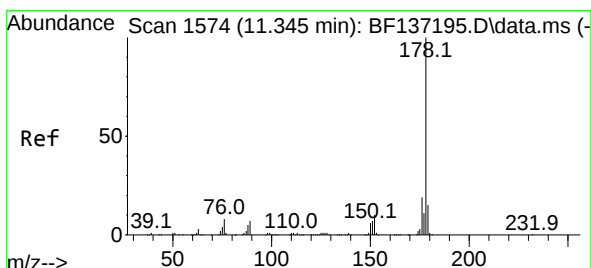
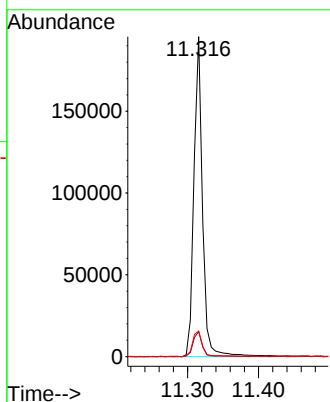
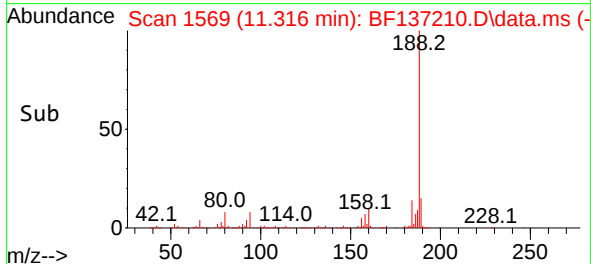


Tgt Ion:188 Resp: 164998
Ion Ratio Lower Upper
188 100
94 7.8 7.0 10.4
80 8.0 8.8 13.2

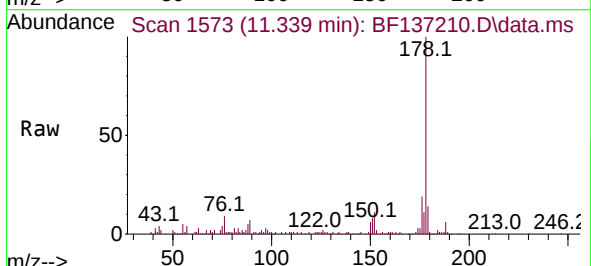
Manual Integrations

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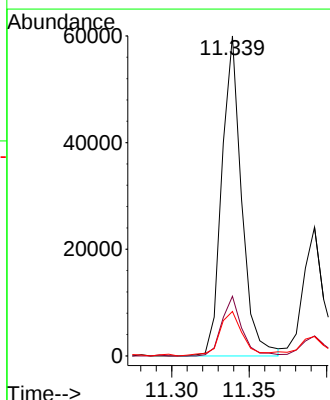
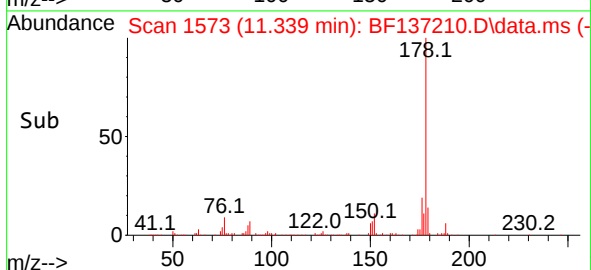
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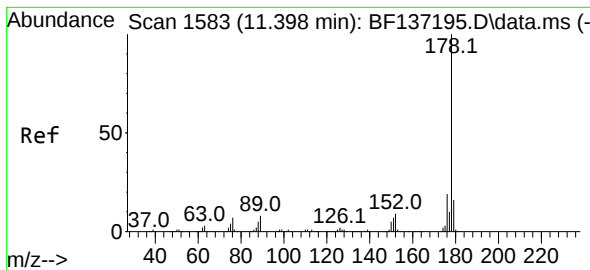


#71
Phenanthrene
Concen: 6.170 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF137210.D
Acq: 31 Jan 2024 15:03



Tgt Ion:178 Resp: 53294
Ion Ratio Lower Upper
178 100
176 18.6 15.1 22.7
179 13.9 12.1 18.1





#72
 Anthracene
 Concen: 2.691 ng
 RT: 11.392 min Scan# 1139
 Delta R.T. -0.006 min
 Lab File: BF137210.D
 Acq: 31 Jan 2024 15:03

Instrument :

BNA_F

ClientSampleId :

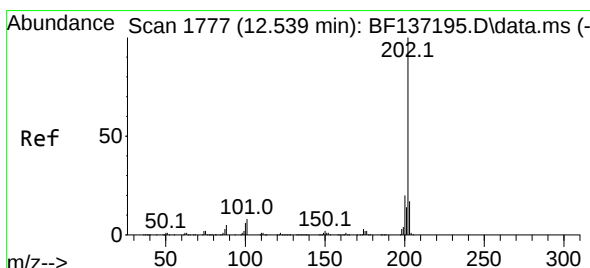
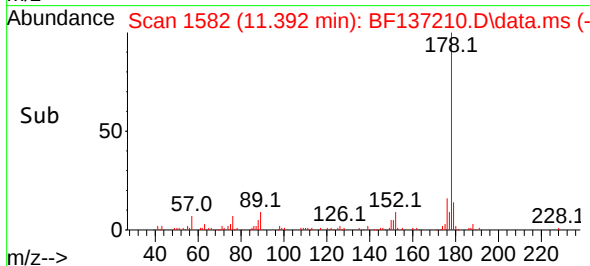
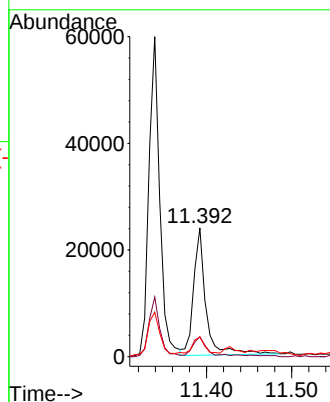
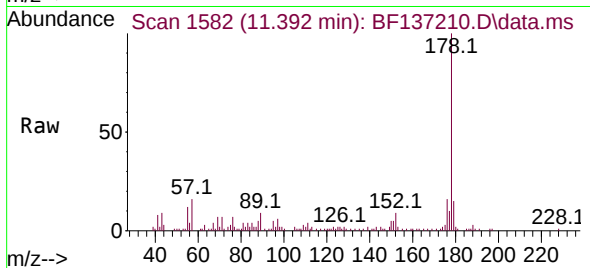
TR-05-013024

Tgt Ion:178 Resp: 24226
 Ion Ratio Lower Upper
 178 100
 176 15.5 15.3 22.9
 179 15.1 12.7 19.1

Manual Integrations

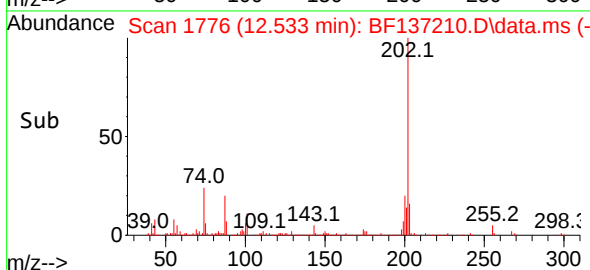
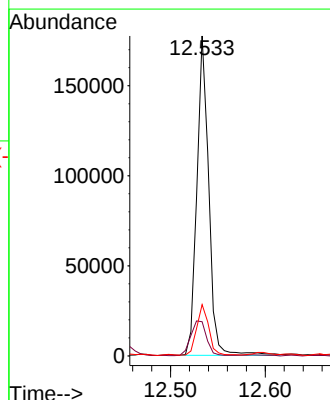
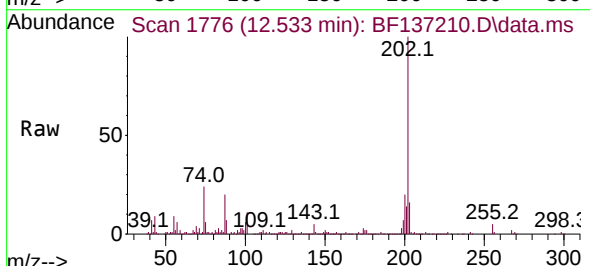
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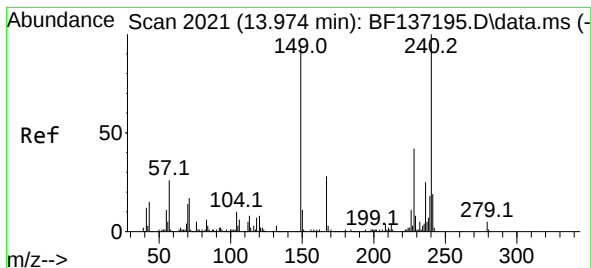
Reviewed By :Jagrut Upadhyay 02/01/2024
 Supervised By :Sohil Jodhani 02/02/2024



#75
 Fluoranthene
 Concen: 17.024 ng
 RT: 12.533 min Scan# 1776
 Delta R.T. -0.006 min
 Lab File: BF137210.D
 Acq: 31 Jan 2024 15:03

Tgt Ion:202 Resp: 153877
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 28.4
 203 16.0 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF137210.D

Acq: 31 Jan 2024 15:03

Instrument :

BNA_F

ClientSampleId :

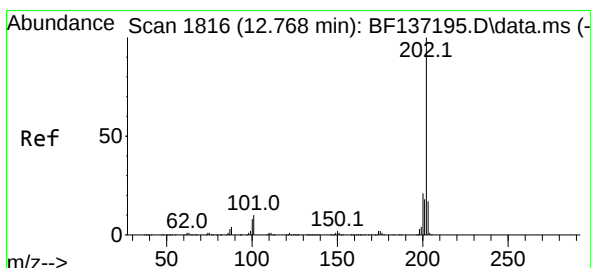
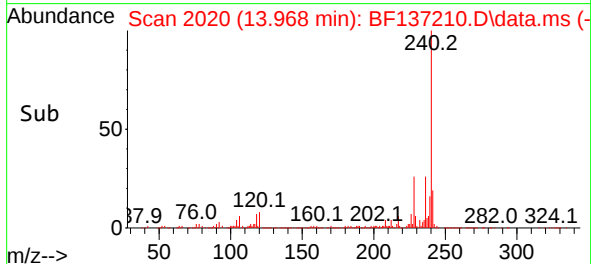
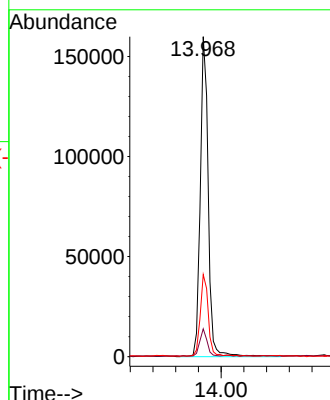
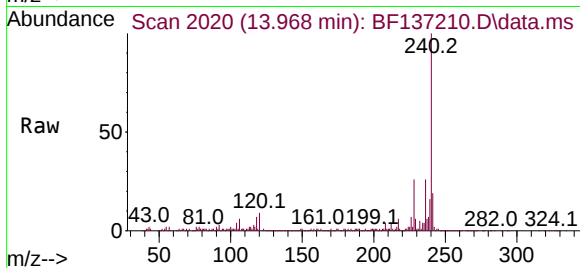
TR-05-013024

Tgt Ion:240 Resp: 154875
 Ion Ratio Lower Upper
 240 100
 120 8.7 6.3 9.5
 236 25.6 20.3 30.5

Manual Integrations

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#78

Pyrene

Concen: 9.430 ng

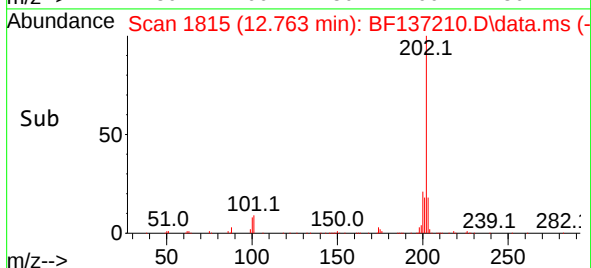
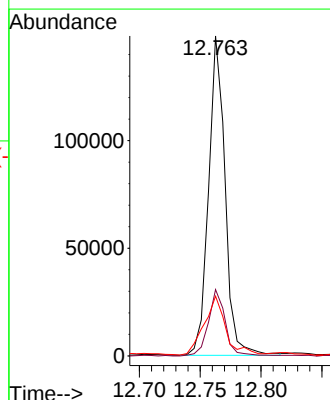
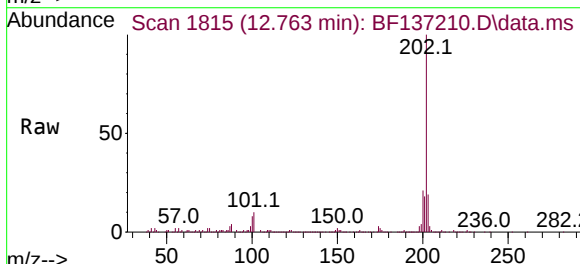
RT: 12.763 min Scan# 1815

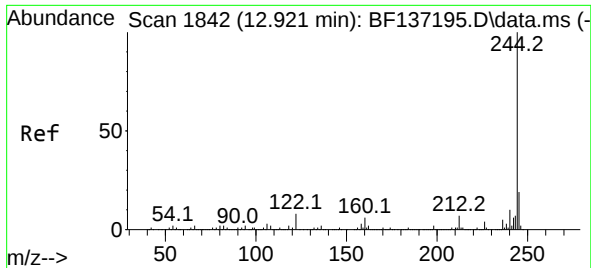
Delta R.T. -0.006 min

Lab File: BF137210.D

Acq: 31 Jan 2024 15:03

Tgt Ion:202 Resp: 140349
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.5 24.7
 203 18.7 13.8 20.6





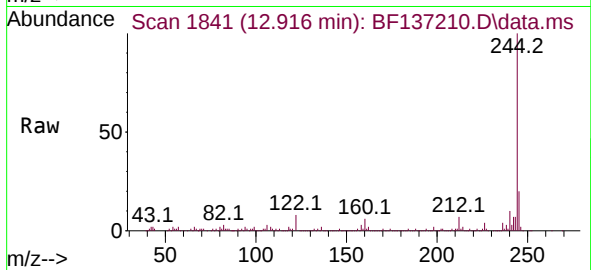
#79
 Terphenyl-d14
 Concen: 14.021 ng
 RT: 12.916 min Scan# 1842
 Delta R.T. -0.006 min
 Lab File: BF137210.D
 Acq: 31 Jan 2024 15:03

Instrument :

BNA_F

ClientSampleId :

TR-05-013024

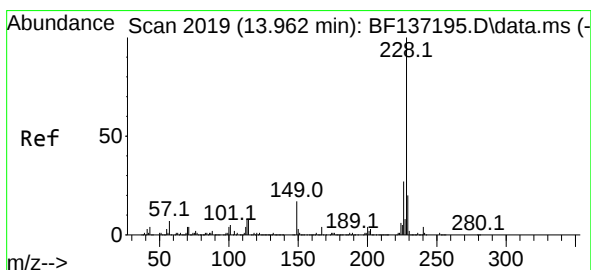
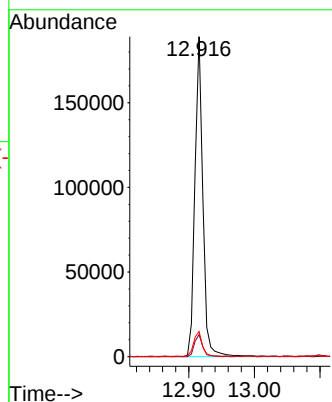
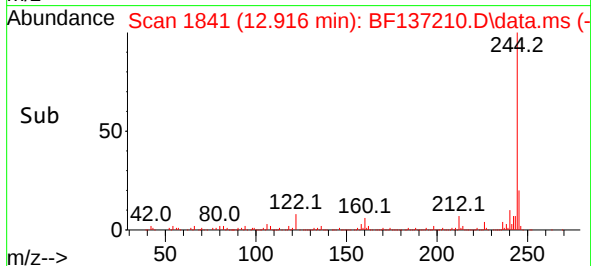


Tgt Ion:244 Resp: 159734
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 7.9 6.2 9.4

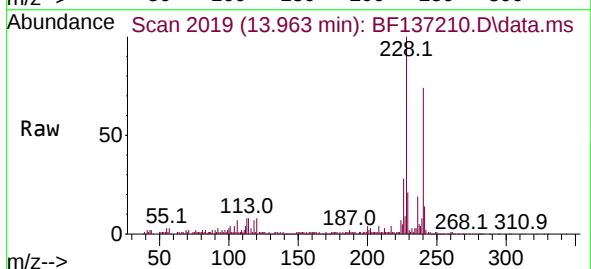
Manual Integrations

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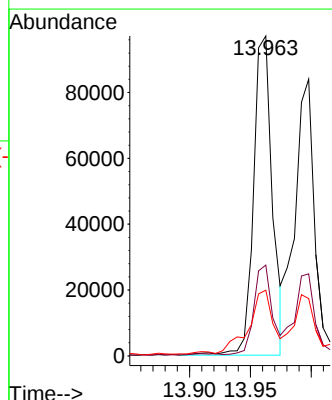
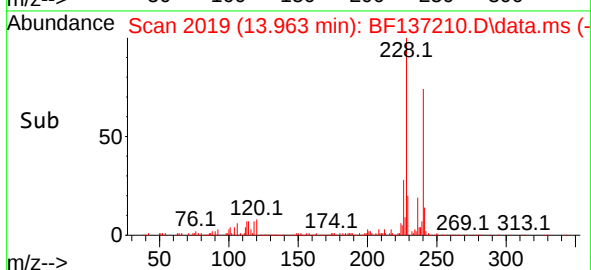
Reviewed By :Jagrut Upadhyay 02/01/2024
 Supervised By :Sohil Jodhani 02/02/2024

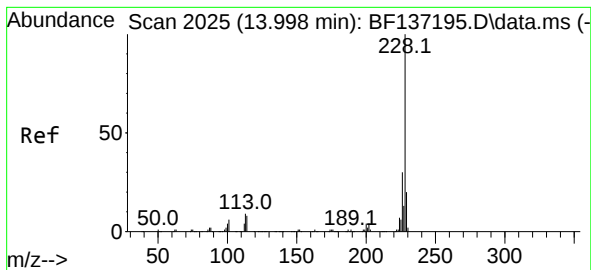


#81
 Benzo(a)anthracene
 Concen: 9.505 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: BF137210.D
 Acq: 31 Jan 2024 15:03



Tgt Ion:228 Resp: 104255
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.6 32.4
 229 20.5 15.8 23.6





#83

Chrysene

Concen: 8.916 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF137210.D

Acq: 31 Jan 2024 15:03

Instrument :

BNA_F

ClientSampleId :

TR-05-013024

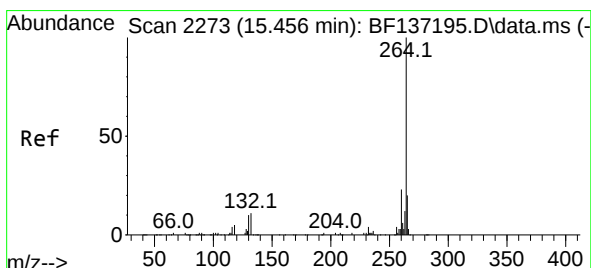
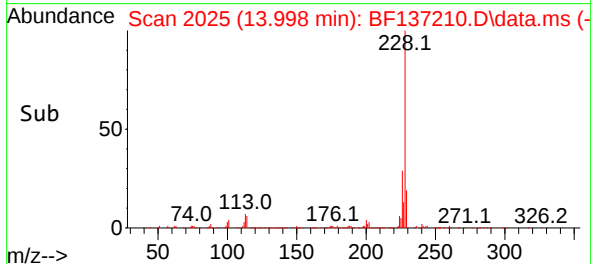
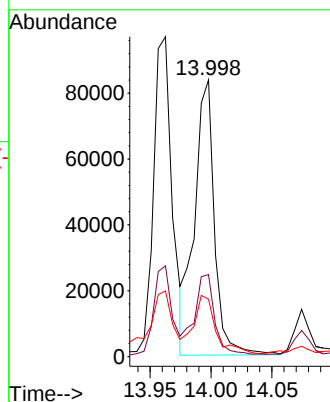
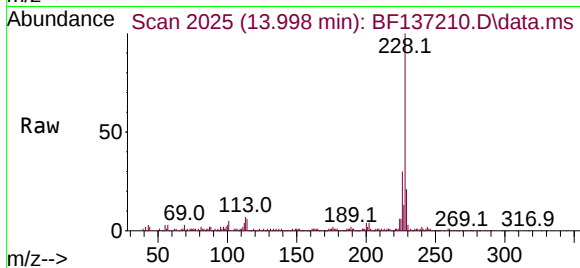
Tgt Ion:228 Resp: 96149

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.7	35.5
229	20.7	15.6	23.4

Manual Integrations

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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

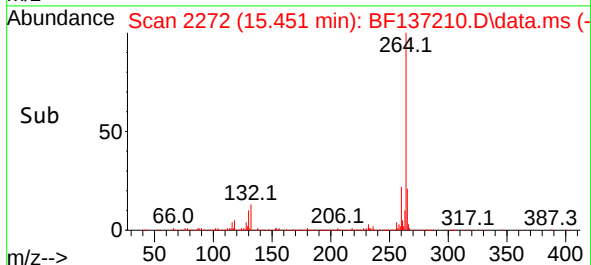
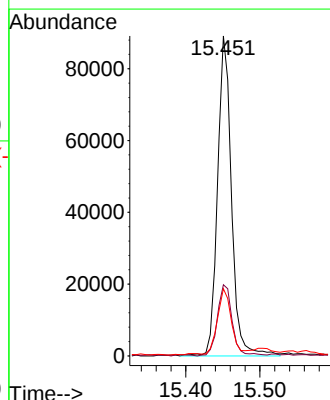
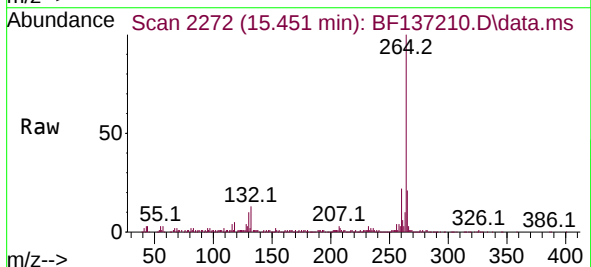
Delta R.T. -0.006 min

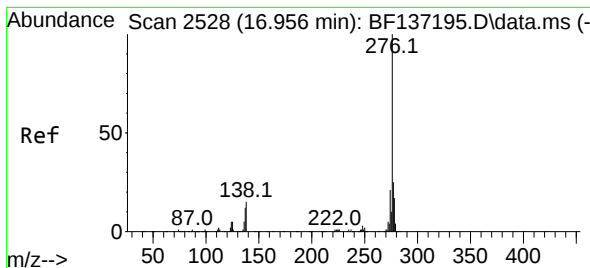
Lab File: BF137210.D

Acq: 31 Jan 2024 15:03

Tgt Ion:264 Resp: 116743

Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.2	27.4
265	21.0	16.2	24.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.498 ng

RT: 16.939 min Scan# 2199

Delta R.T. -0.018 min

Lab File: BF137210.D

Acq: 31 Jan 2024 15:03

Instrument :

BNA_F

ClientSampleId :

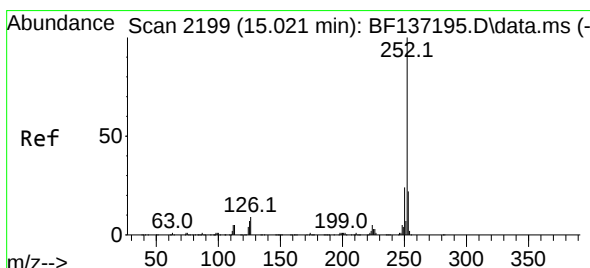
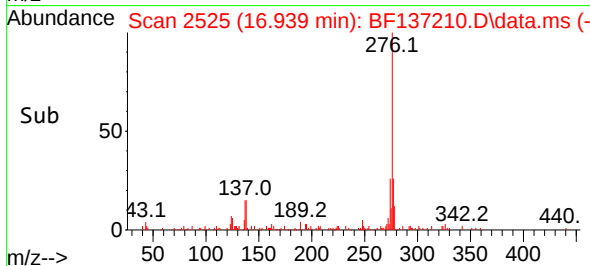
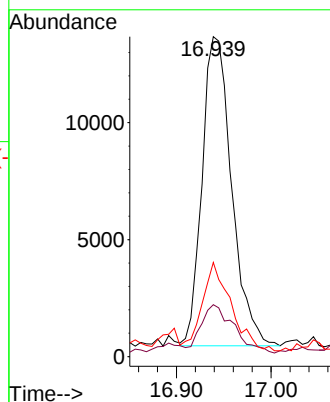
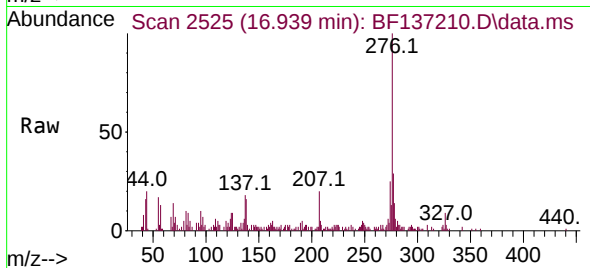
TR-05-013024

Tgt Ion:276 Resp: 28691
 Ion Ratio Lower Upper
 276 100
 138 18.7 14.6 21.8
 277 27.5 20.2 30.2

Manual Integrations

APPROVED

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



#88

Benzo(b)fluoranthene

Concen: 13.916 ng m

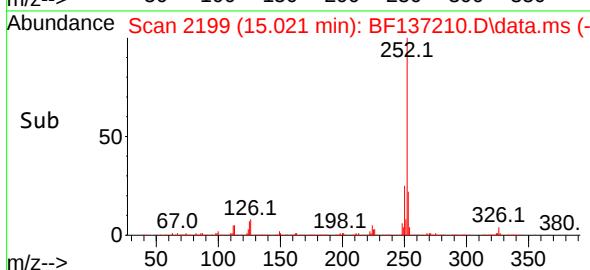
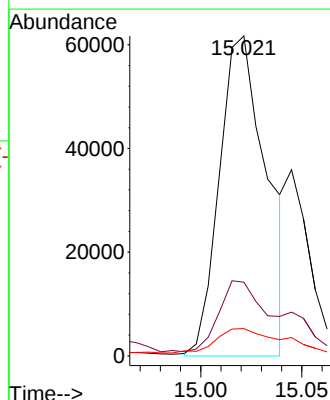
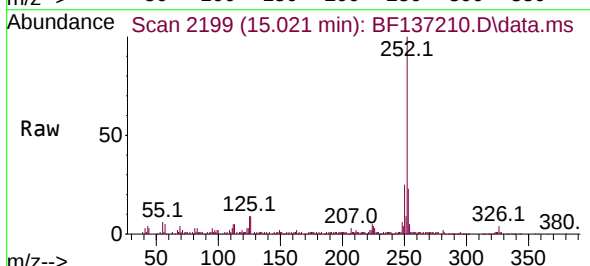
RT: 15.021 min Scan# 2199

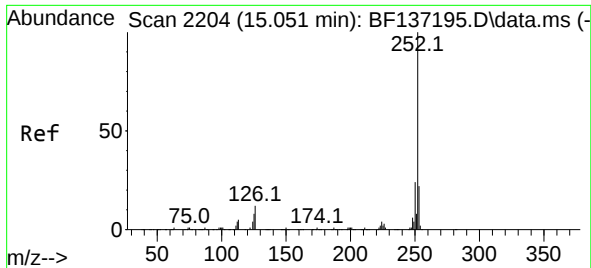
Delta R.T. 0.000 min

Lab File: BF137210.D

Acq: 31 Jan 2024 15:03

Tgt Ion:252 Resp: 99912
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.9 26.9
 125 8.5 5.4 8.2#





#89
Benzo(k)fluoranthene
Concen: 4.042 ng m
RT: 15.045 min Scan# 2204
Delta R.T. -0.006 min
Lab File: BF137210.D
Acq: 31 Jan 2024 15:03

Instrument :

BNA_F

ClientSampleId :

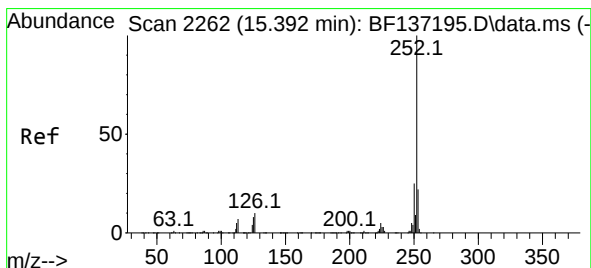
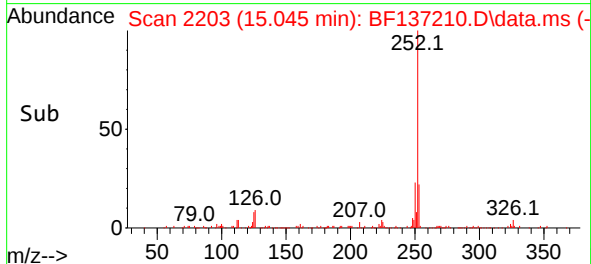
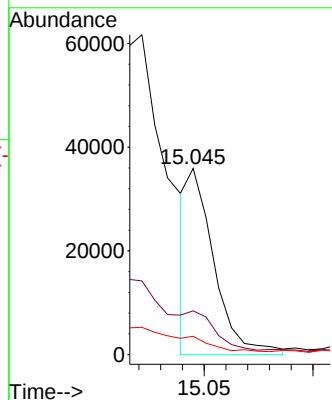
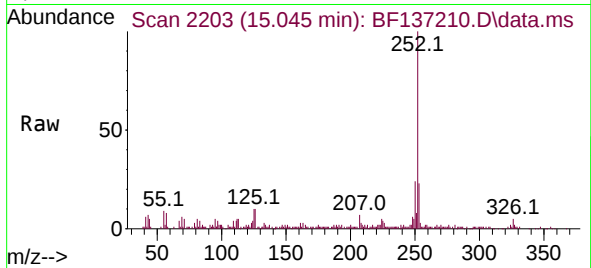
TR-05-013024

Tgt Ion:252 Resp: 30696
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 9.9 5.9 8.9

Manual Integrations

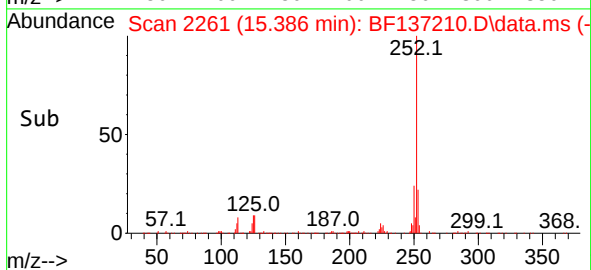
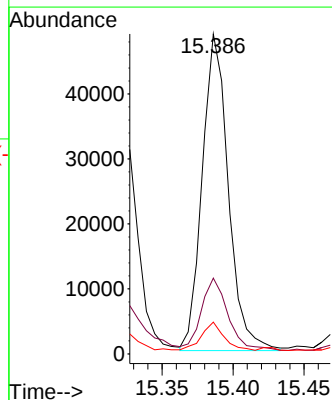
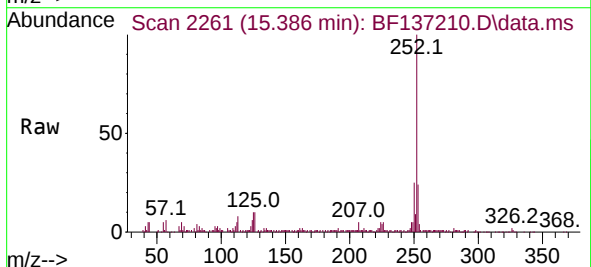
APPROVED

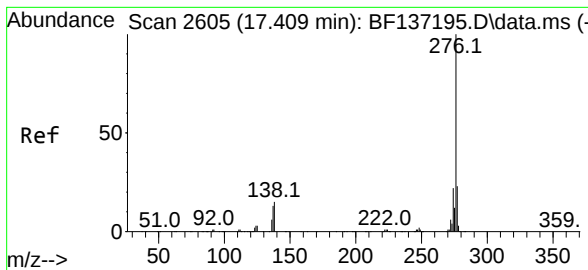
Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024



#90
Benzo(a)pyrene
Concen: 9.236 ng
RT: 15.386 min Scan# 2261
Delta R.T. -0.006 min
Lab File: BF137210.D
Acq: 31 Jan 2024 15:03

Tgt Ion:252 Resp: 62403
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 10.0 6.5 9.7





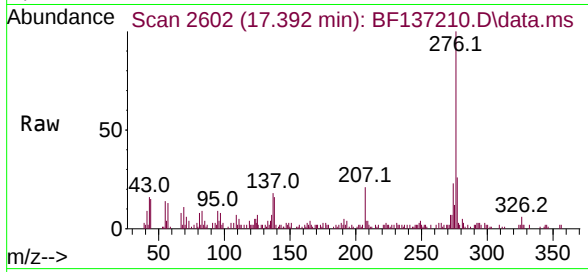
#92
Benzo(g,h,i)perylene
Concen: 4.556 ng
RT: 17.392 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF137210.D
Acq: 31 Jan 2024 15:03

Instrument :

BNA_F

ClientSampleId :

TR-05-013024



Tgt Ion:276 Resp: 29386
Ion Ratio Lower Upper
276 100
277 25.8 18.4 27.6
138 16.2 11.8 17.8

Manual Integrations

APPROVED

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

