

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
 Data File : BF141832.D
 Acq On : 04 Mar 2025 17:46
 Operator : RC/JU
 Sample : Q1475-01DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-02282025DL

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/05/2025
 Supervised By :Jagrut Upadhyay 03/05/2025

Quant Time: Mar 05 00:18:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	234857	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	859732	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	379383	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	545958	20.000	ng	0.00
76) Chrysene-d12	14.039	240	516330	20.000	ng	-0.01
86) Perylene-d12	15.510	264	517053	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	379193	25.784	ng	0.00
7) Phenol-d6	6.492	99	465410	24.314	ng	-0.02
23) Nitrobenzene-d5	7.439	82	266059	19.781	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	71887	20.183	ng	-0.02
45) 2-Fluorobiphenyl	9.233	172	507202	21.437	ng	-0.01
79) Terphenyl-d14	12.986	244	443804	13.907	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.951	154	73853	3.425	ng	100
58) Fluorene	10.463	166	85876	3.653	ng	98
71) Phenanthrene	11.427	178	669360	22.921	ng	99
72) Anthracene	11.475	178	232295	7.937	ng	98
73) Carbazole	11.627	167	106315	4.113	ng	97
75) Fluoranthene	12.616	202	902586	30.163	ng	98
78) Pyrene	12.845	202	728742	16.299	ng	98
81) Benzo(a)anthracene	14.027	228	467294	13.702	ng	99
83) Chrysene	14.063	228	374833	11.923	ng	96
87) Indeno(1,2,3-cd)pyrene	16.986	276	147649	4.484	ng	96
88) Benzo(b)fluoranthene	15.080	252	415480m	11.797	ng	
89) Benzo(k)fluoranthene	15.092	252	206460m	6.897	ng	
90) Benzo(a)pyrene	15.445	252	316867	11.218	ng	96
92) Benzo(g,h,i)perylene	17.439	276	122439	4.447	ng	99

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

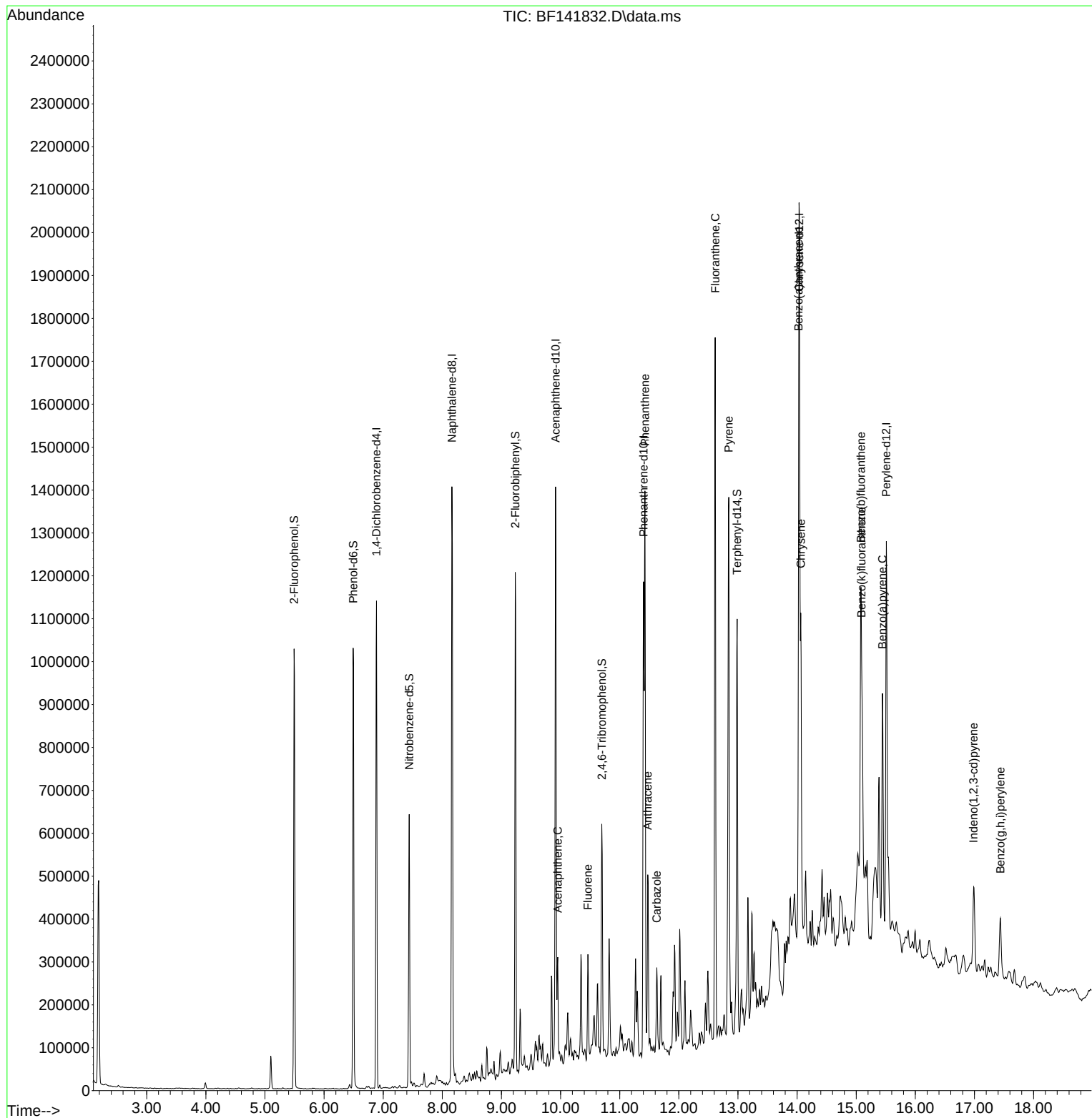
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
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ALS Vial : 10 Sample Multiplier: 1

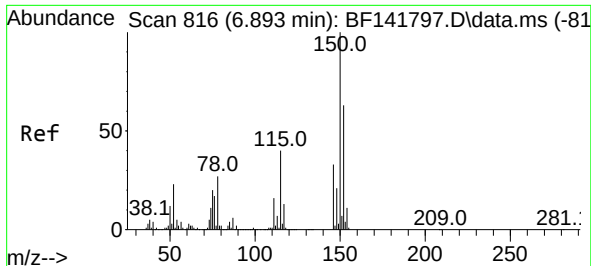
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Quant Time: Mar 05 00:18:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
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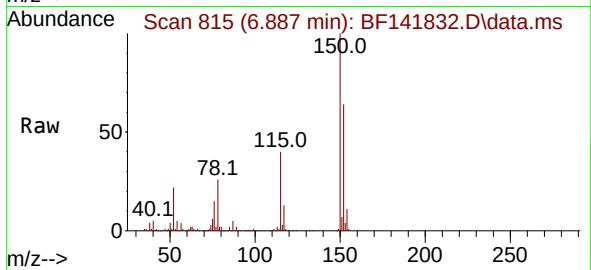
Reviewed By :Anahy Claudio 03/05/2025
Supervised By :Jagrut Upadhyay 03/05/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

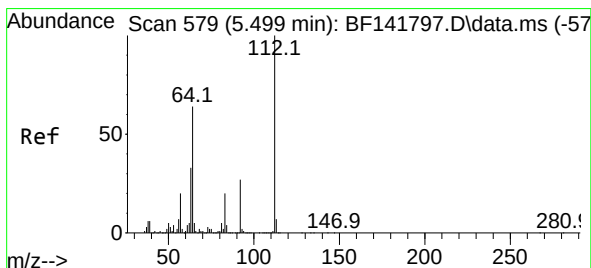
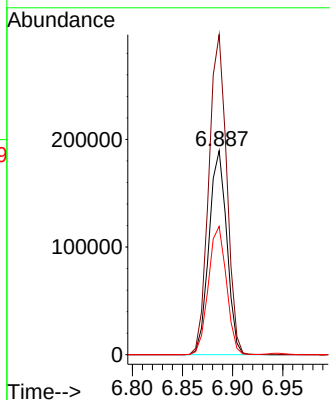
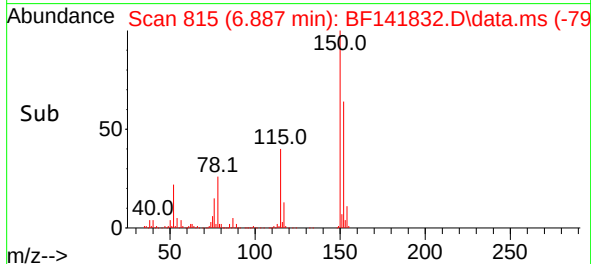
Instrument :
BNA_F
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TR-04-02282025DL



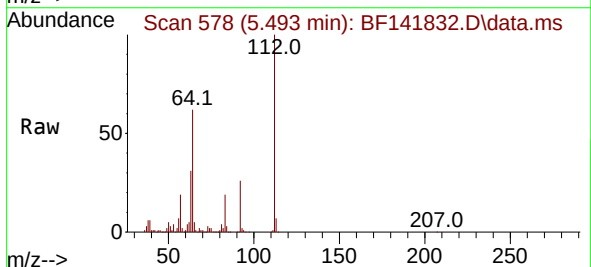
Tgt Ion:152 Resp: 23485
Ion Ratio Lower Upper
152 100
150 156.9 127.5 191.3
115 63.0 51.4 77.2

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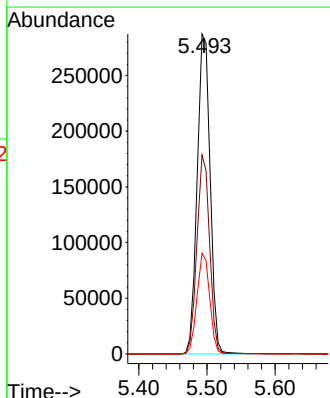
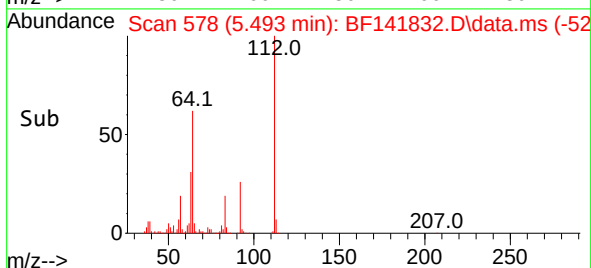
Reviewed By :Anahy Claudio 03/05/2025
Supervised By :Jagrut Upadhyay 03/05/2025

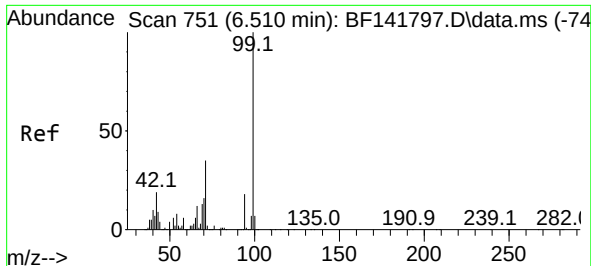


#5
2-Fluorophenol
Concen: 25.784 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46



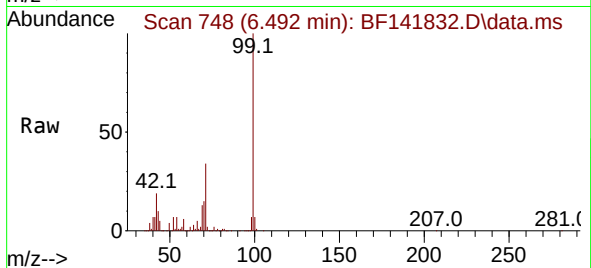
Tgt Ion:112 Resp: 379193
Ion Ratio Lower Upper
112 100
64 62.1 51.3 76.9
63 31.5 26.2 39.4





#7
Phenol-d6
Concen: 24.314 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

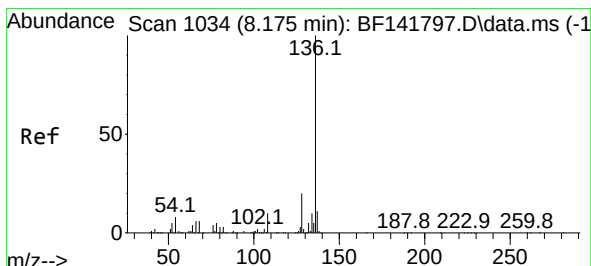
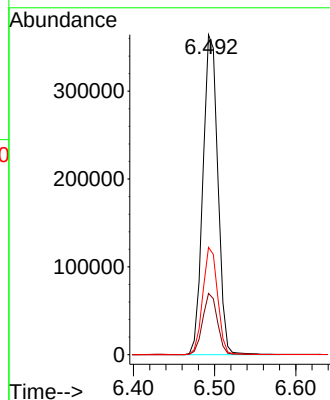
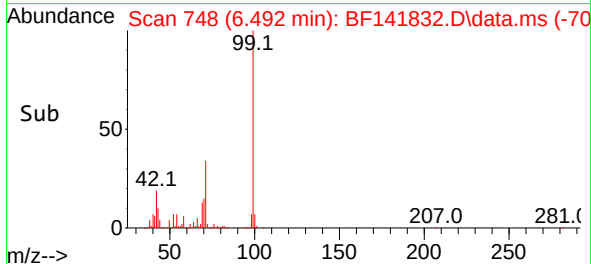
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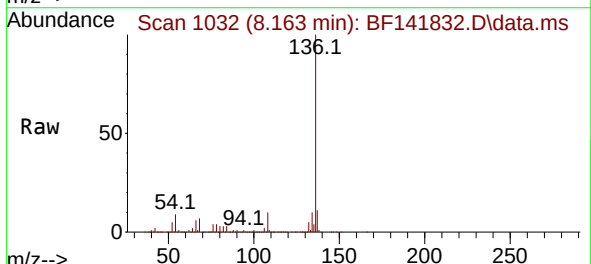
Tgt Ion: 99 Resp: 465410
Ion Ratio Lower Upper
99 100
42 19.1 15.2 22.8
71 33.5 28.2 42.2

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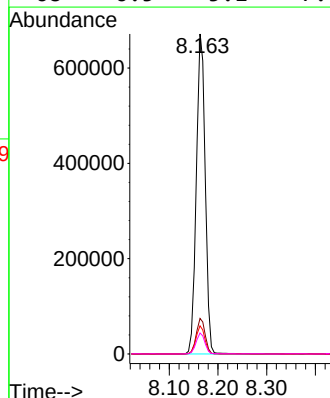
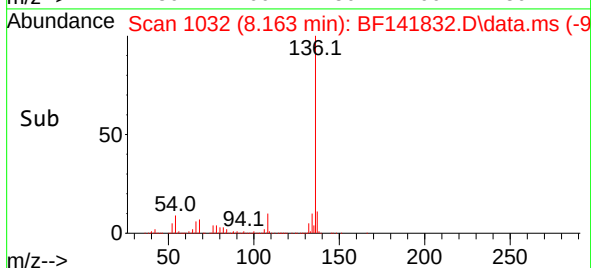
Reviewed By :Anahy Claudio 03/05/2025
Supervised By :Jagrut Upadhyay 03/05/2025

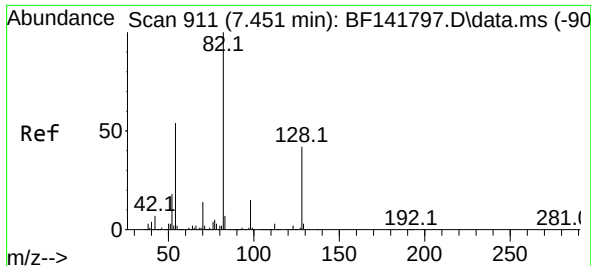


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46



Tgt Ion:136 Resp: 859732
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.8 6.9 10.3
68 6.5 5.1 7.7





#23

Nitrobenzene-d5

Concen: 19.781 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF141832.D

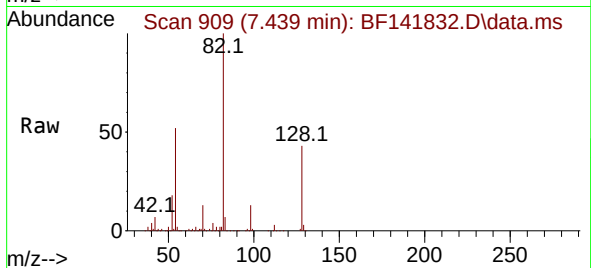
Acq: 04 Mar 2025 17:46

Instrument :

BNA_F

ClientSampleId :

TR-04-02282025DL



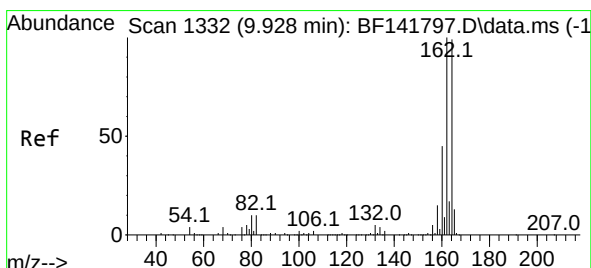
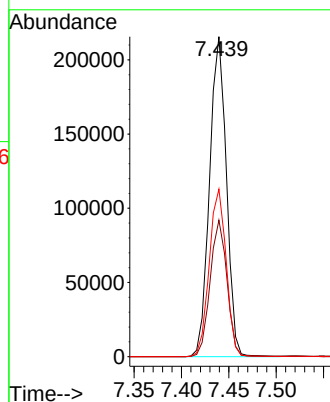
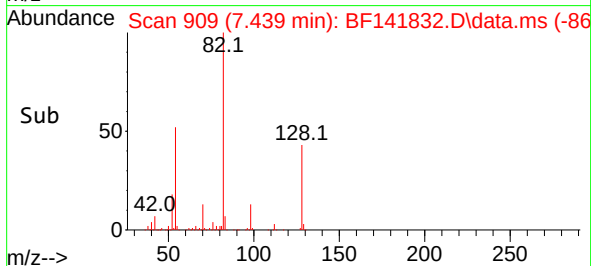
Tgt Ion: 82 Resp: 266059

Ion	Ratio	Lower	Upper
82	100		
128	42.7	33.5	50.3
54	52.4	42.7	64.1

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1330

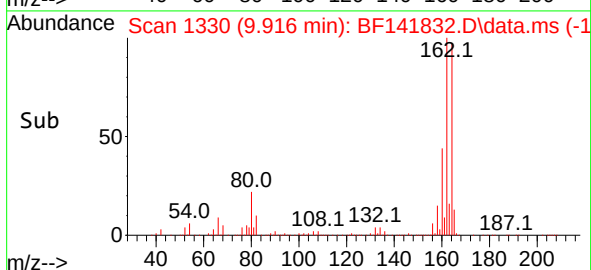
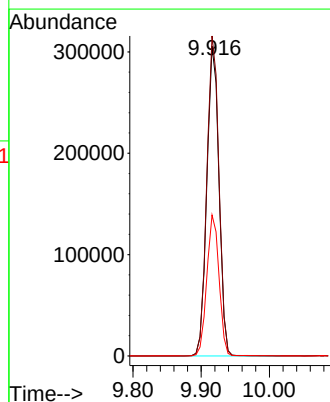
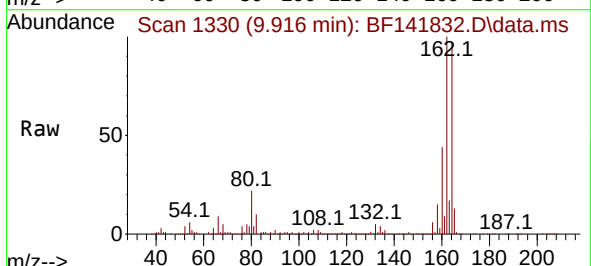
Delta R.T. -0.012 min

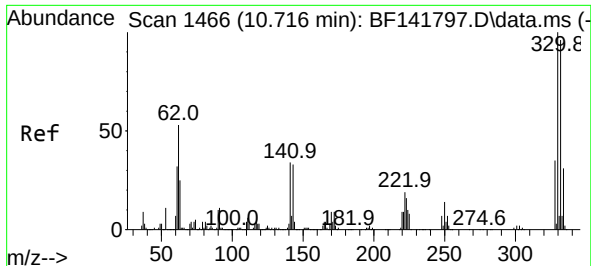
Lab File: BF141832.D

Acq: 04 Mar 2025 17:46

Tgt Ion:164 Resp: 379383

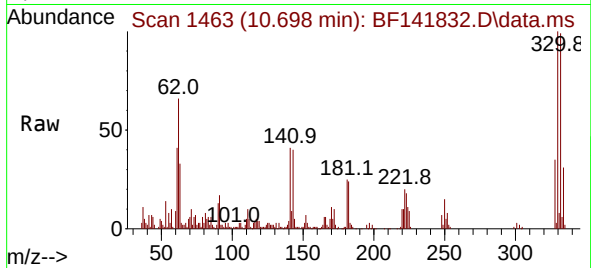
Ion	Ratio	Lower	Upper
164	100		
162	103.3	80.6	120.8
160	45.5	36.3	54.5





#42
2,4,6-Tribromophenol
Concen: 20.183 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.018 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

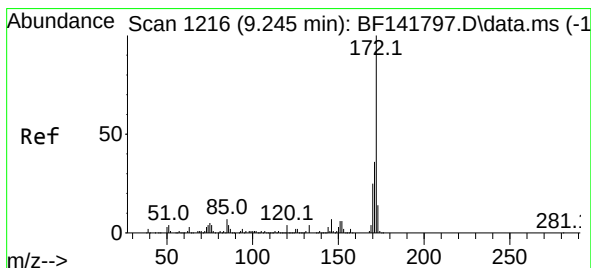
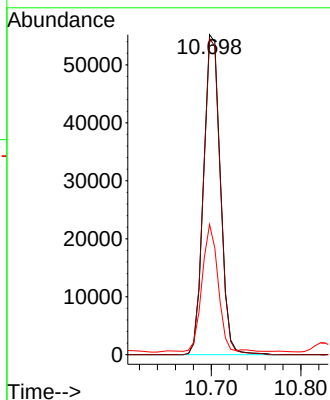
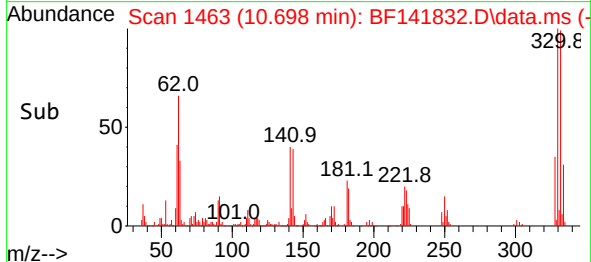
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025DL



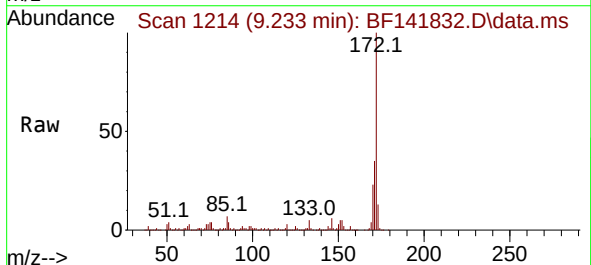
Tgt Ion: 330 Resp: 7188
Ion Ratio Lower Upper
330 100
332 98.6 76.6 115.0
141 37.6 29.0 43.4

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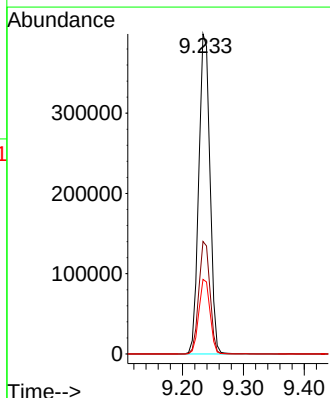
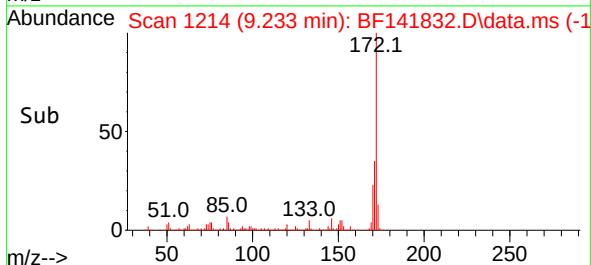
Reviewed By :Anahy Claudio 03/05/2025
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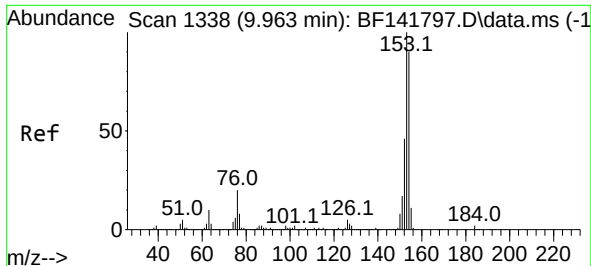


#45
2-Fluorobiphenyl
Concen: 21.437 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.012 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46



Tgt Ion: 172 Resp: 507202
Ion Ratio Lower Upper
172 100
171 35.2 29.2 43.8
170 23.3 19.7 29.5





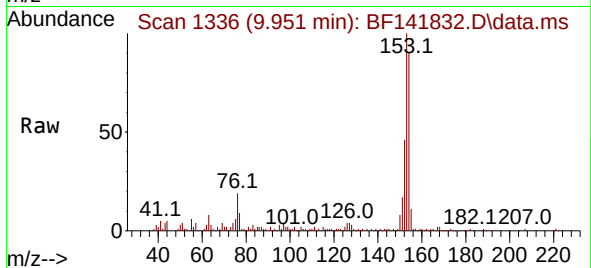
#52
Acenaphthene
Concen: 3.425 ng
RT: 9.951 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

Instrument :

BNA_F

ClientSampleId :

TR-04-02282025DL

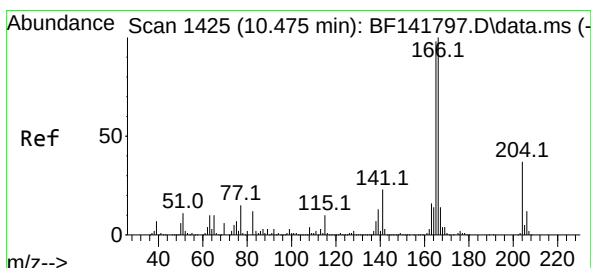
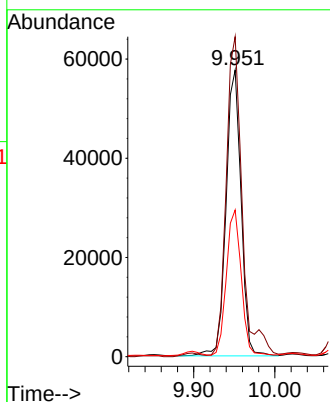
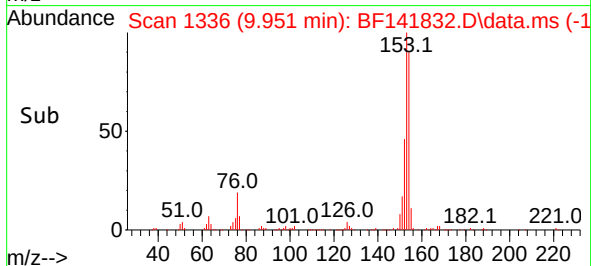


Tgt Ion:154 Resp: 7385
Ion Ratio Lower Upper
154 100
153 111.6 88.7 133.1
152 51.2 40.9 61.3

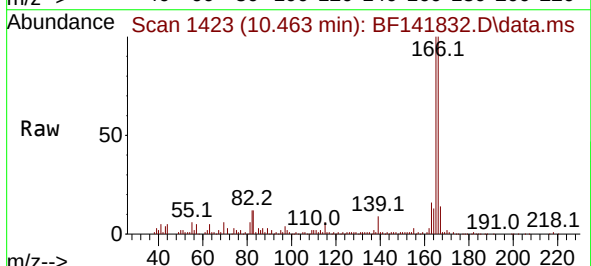
Manual Integrations

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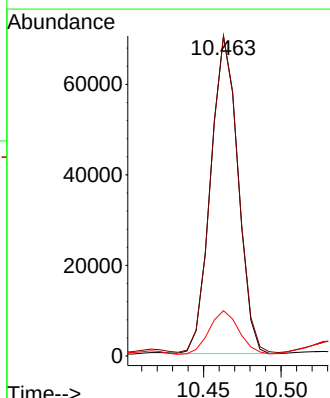
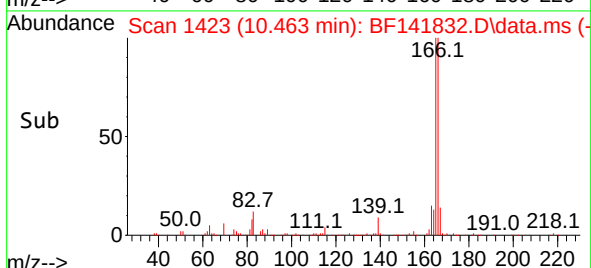
Reviewed By :Anahy Claudio 03/05/2025
Supervised By :Jagrut Upadhyay 03/05/2025

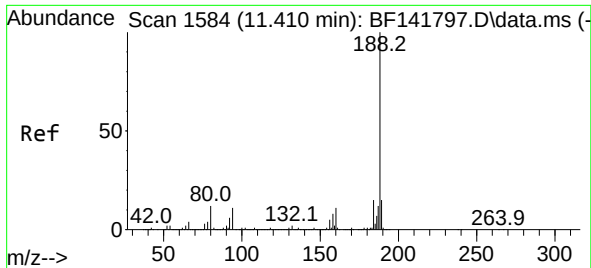


#58
Fluorene
Concen: 3.653 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.012 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46



Tgt Ion:166 Resp: 85876
Ion Ratio Lower Upper
166 100
165 100.1 78.6 117.8
167 14.2 11.0 16.4





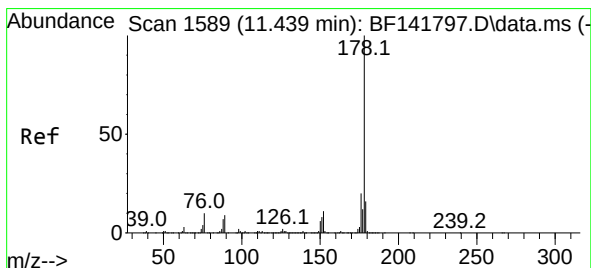
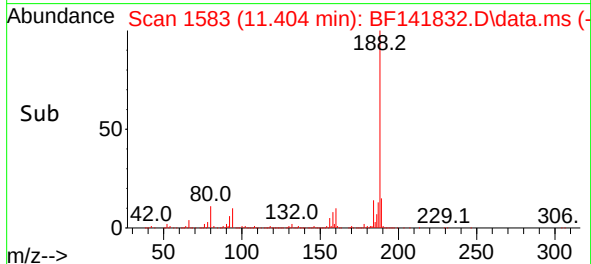
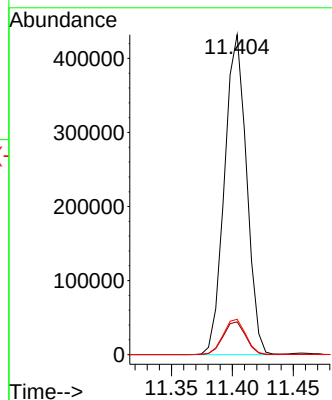
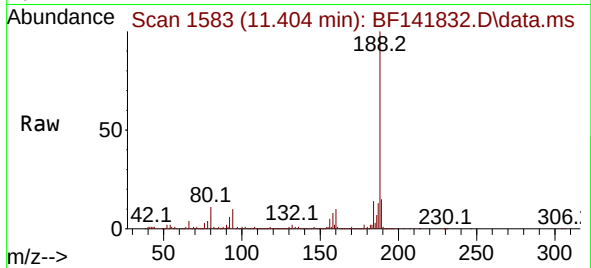
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

Instrument :
BNA_F
ClientSampleId :
TR-04-02282025DL

Tgt Ion:188 Resp: 545958
Ion Ratio Lower Upper
188 100
94 10.2 8.9 13.3
80 11.1 9.7 14.5

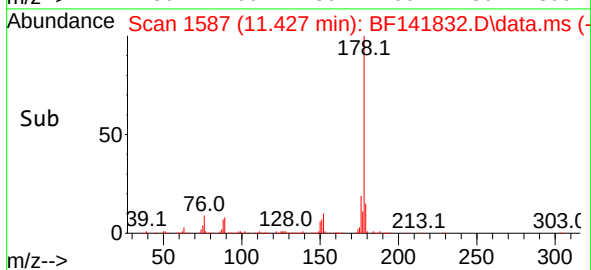
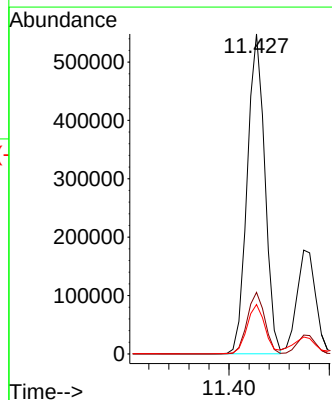
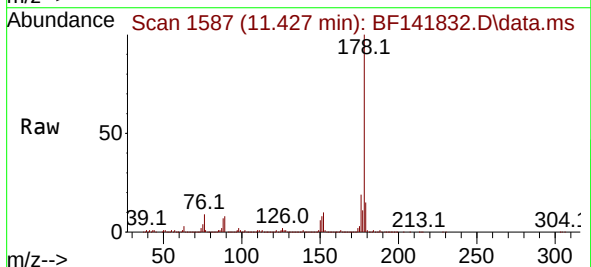
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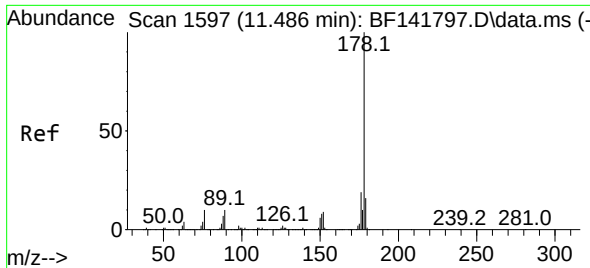
Reviewed By :Anahy Claudio 03/05/2025
Supervised By :Jagrut Upadhyay 03/05/2025



#71
Phenanthrene
Concen: 22.921 ng
RT: 11.427 min Scan# 1587
Delta R.T. -0.012 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

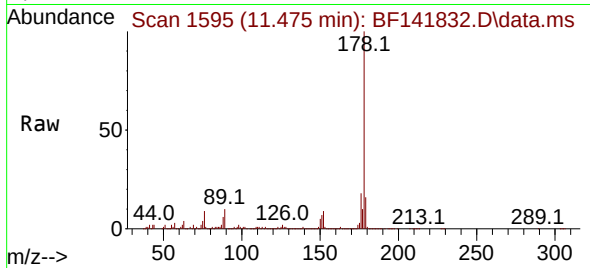
Tgt Ion:178 Resp: 669360
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.4 12.6 19.0





#72
 Anthracene
 Concen: 7.937 ng
 RT: 11.475 min Scan# 1147
 Delta R.T. -0.012 min
 Lab File: BF141832.D
 Acq: 04 Mar 2025 17:46

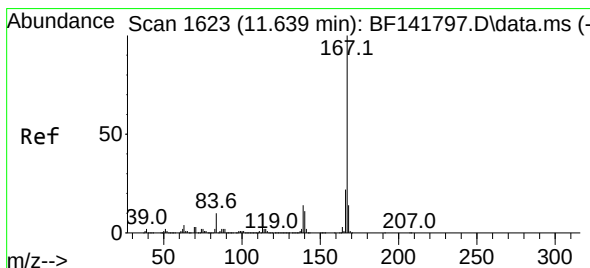
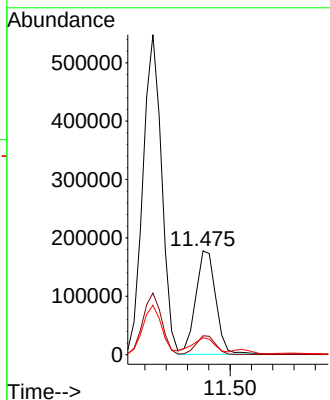
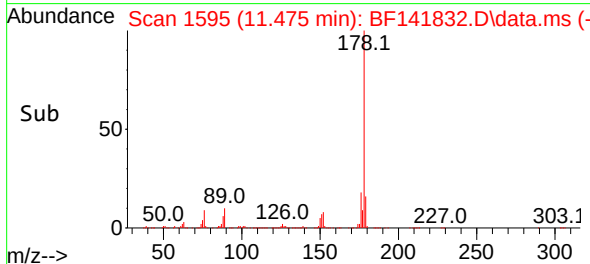
Instrument :
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 TR-04-02282025DL



Tgt Ion:178 Resp: 232295
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.4 23.0
 179 16.3 12.8 19.2

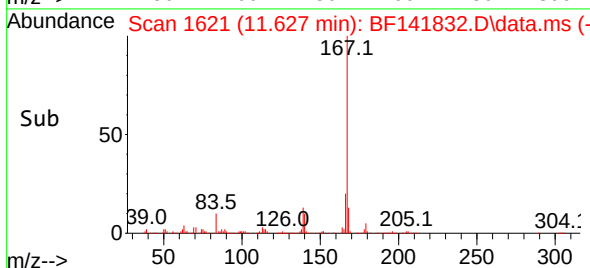
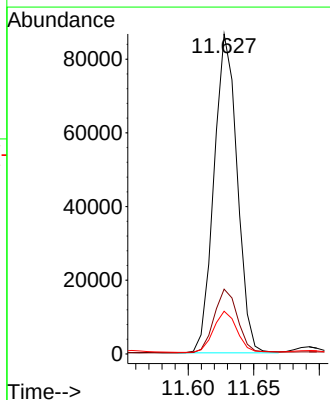
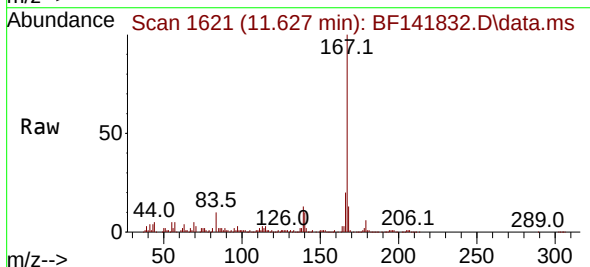
Manual Integrations
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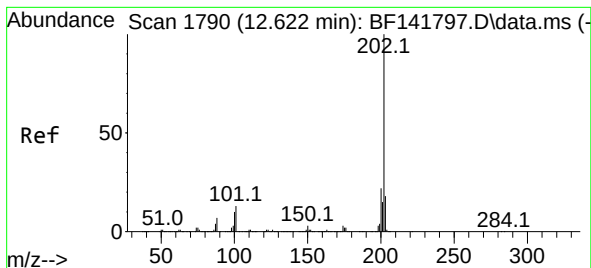
Reviewed By :Anahy Claudio 03/05/2025
 Supervised By :Jagrut Upadhyay 03/05/2025



#73
 Carbazole
 Concen: 4.113 ng
 RT: 11.627 min Scan# 1621
 Delta R.T. -0.012 min
 Lab File: BF141832.D
 Acq: 04 Mar 2025 17:46

Tgt Ion:167 Resp: 106315
 Ion Ratio Lower Upper
 167 100
 166 20.2 17.5 26.3
 139 13.4 11.3 16.9





#75

Fluoranthene

Concen: 30.163 ng

RT: 12.616 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141832.D

Acq: 04 Mar 2025 17:46

Instrument :

BNA_F

ClientSampleId :

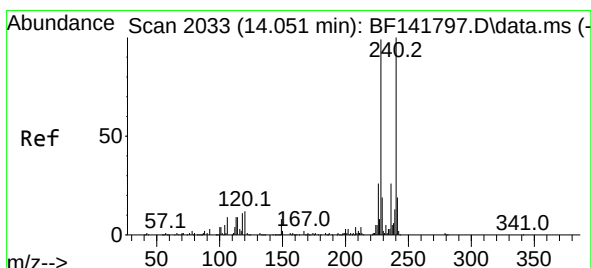
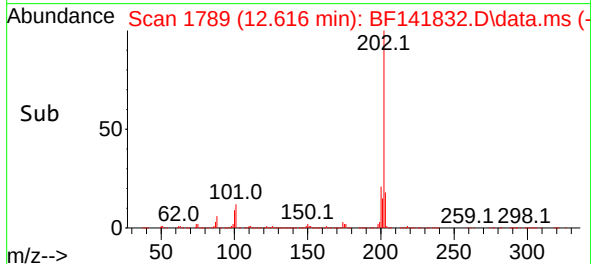
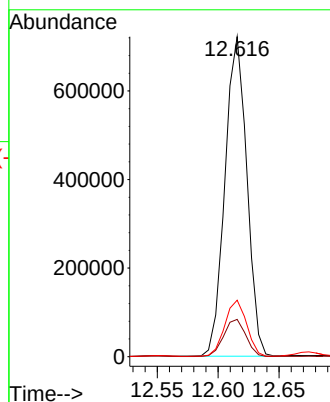
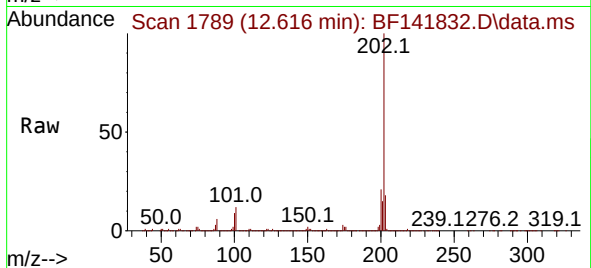
TR-04-02282025DL

Tgt Ion:202 Resp: 902580
 Ion Ratio Lower Upper
 202 100
 101 11.7 0.0 32.8
 203 17.6 0.0 38.0

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Reviewed By :Anahy Claudio 03/05/2025
 Supervised By :Jagrut Upadhyay 03/05/2025



#76

Chrysene-d12

Concen: 20.000 ng

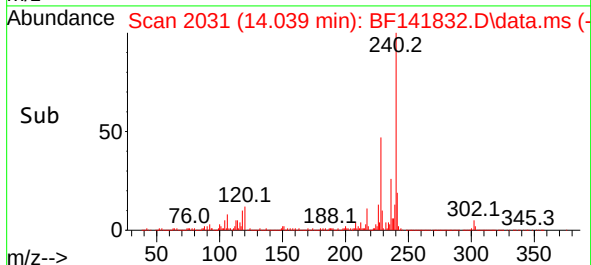
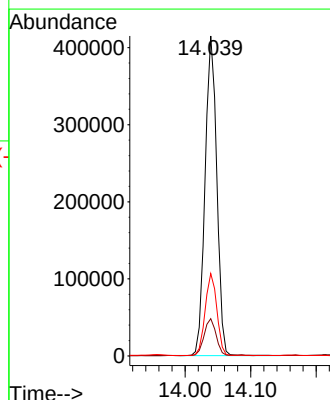
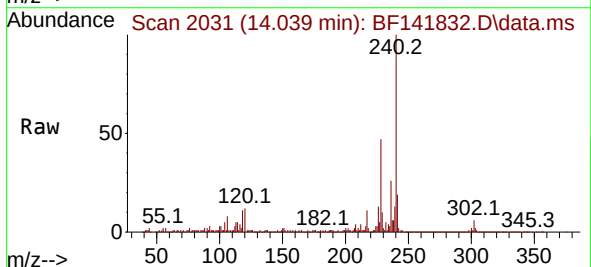
RT: 14.039 min Scan# 2031

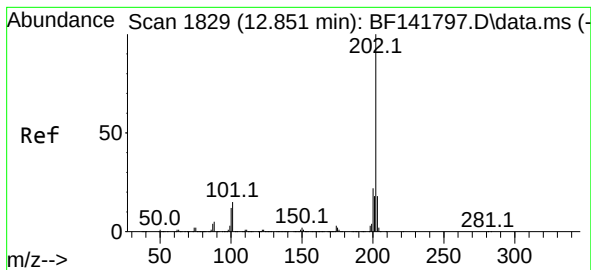
Delta R.T. -0.012 min

Lab File: BF141832.D

Acq: 04 Mar 2025 17:46

Tgt Ion:240 Resp: 516330
 Ion Ratio Lower Upper
 240 100
 120 11.7 9.7 14.5
 236 25.7 21.0 31.4





#78

Pyrene

Concen: 16.299 ng

RT: 12.845 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141832.D

Acq: 04 Mar 2025 17:46

Instrument :

BNA_F

ClientSampleId :

TR-04-02282025DL

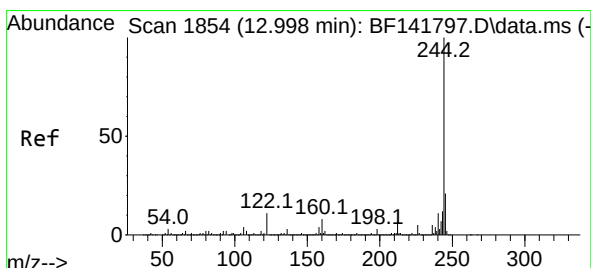
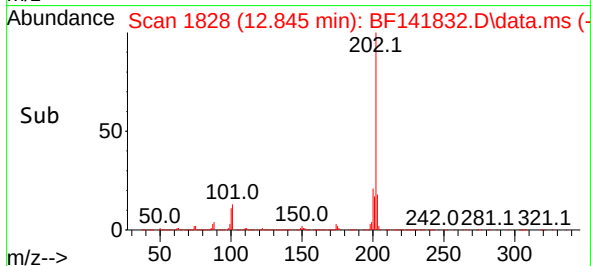
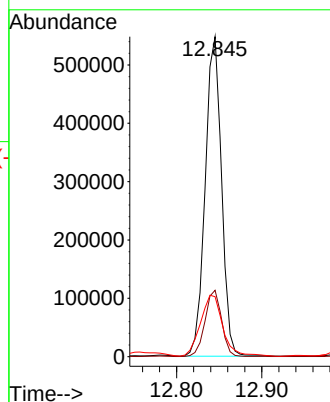
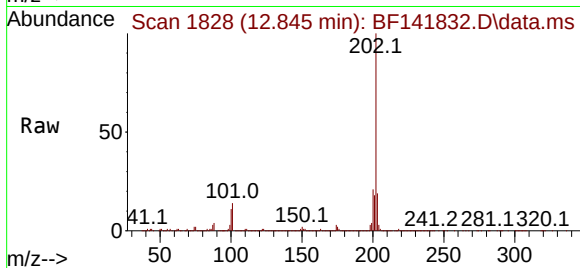
Tgt Ion:202 Resp: 72874

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.0
203	18.8	14.6	22.0

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Reviewed By :Anahy Claudio 03/05/2025
Supervised By :Jagrut Upadhyay 03/05/2025



#79

Terphenyl-d14

Concen: 13.907 ng

RT: 12.986 min Scan# 1852

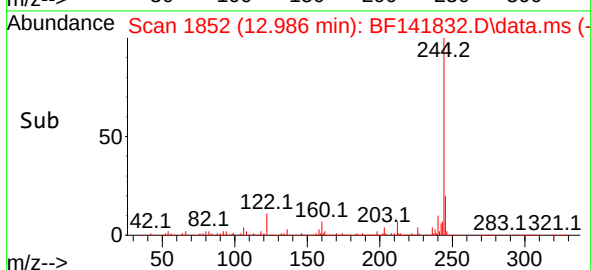
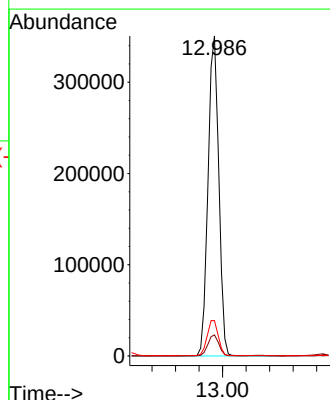
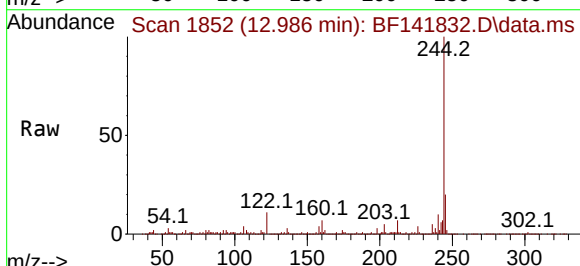
Delta R.T. -0.012 min

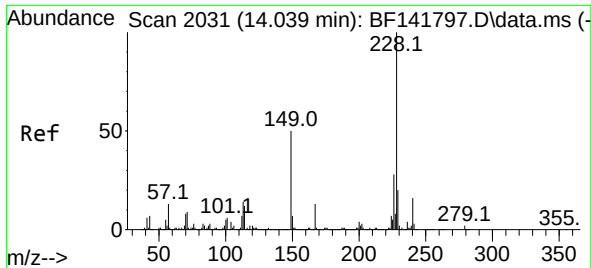
Lab File: BF141832.D

Acq: 04 Mar 2025 17:46

Tgt Ion:244 Resp: 443804

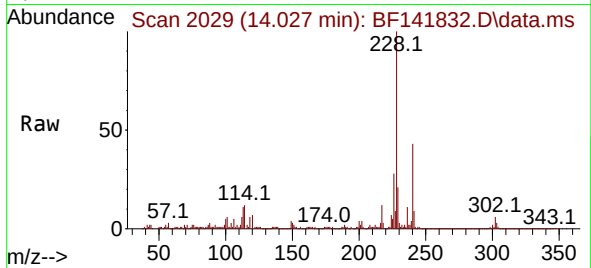
Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	11.1	9.0	13.6





#81
Benzo(a)anthracene
Concen: 13.702 ng
RT: 14.027 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

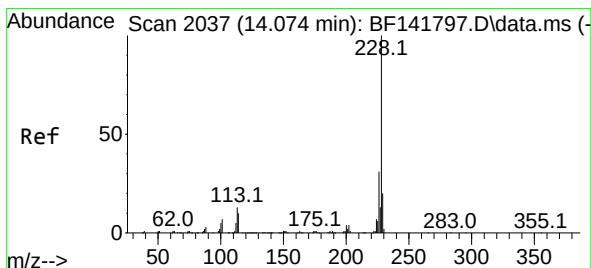
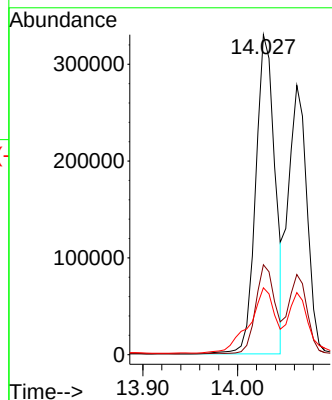
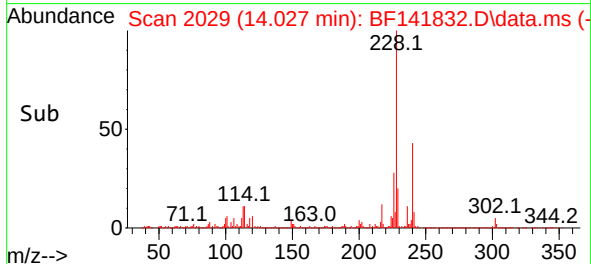
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025DL



Tgt Ion:228 Resp: 467294
Ion Ratio Lower Upper
228 100
226 28.1 22.1 33.1
229 20.9 16.1 24.1

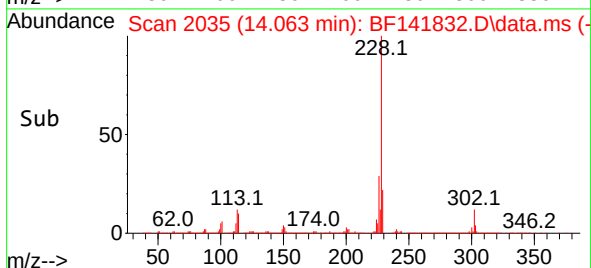
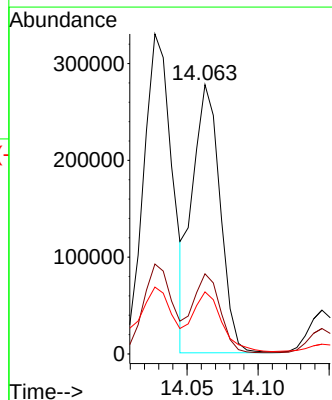
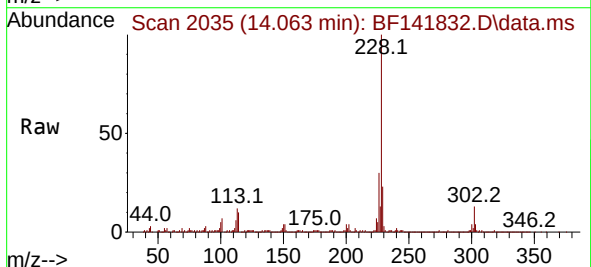
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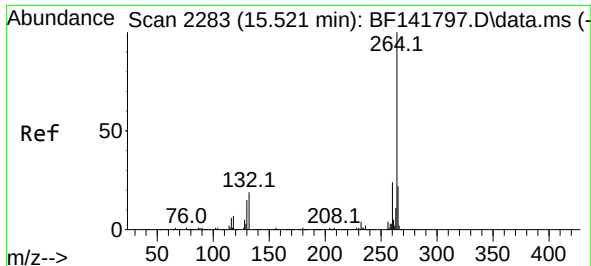
Reviewed By :Anahy Claudio 03/05/2025
Supervised By :Jagrut Upadhyay 03/05/2025



#83
Chrysene
Concen: 11.923 ng
RT: 14.063 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

Tgt Ion:228 Resp: 374833
Ion Ratio Lower Upper
228 100
226 29.8 24.6 37.0
229 23.0 16.1 24.1





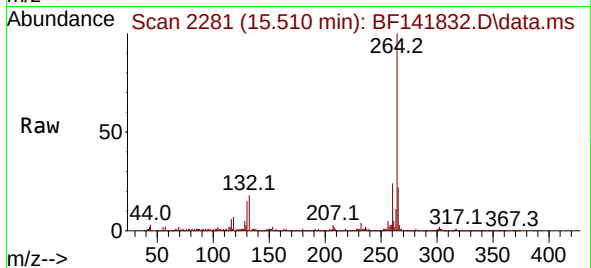
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

Instrument :

BNA_F

ClientSampleId :

TR-04-02282025DL

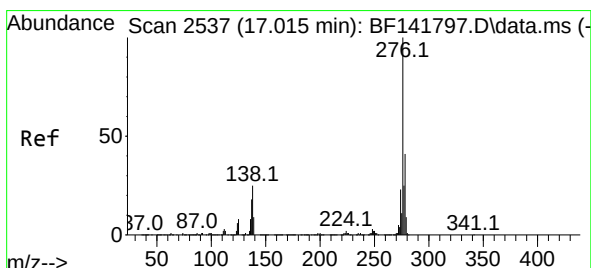
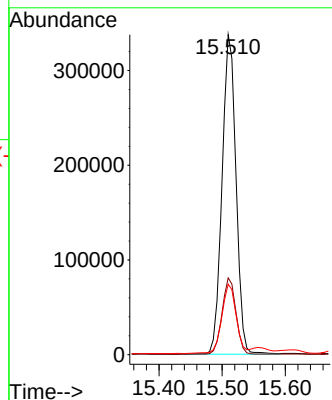
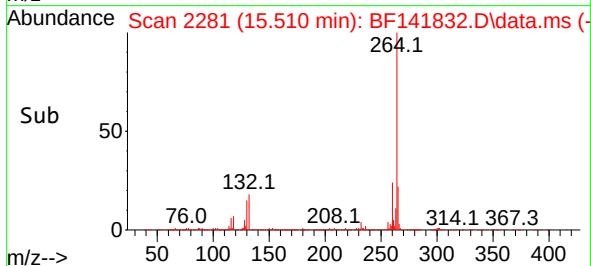


Tgt Ion:264 Resp: 51705
Ion Ratio Lower Upper
264 100
260 24.0 18.9 28.3
265 22.0 17.4 26.0

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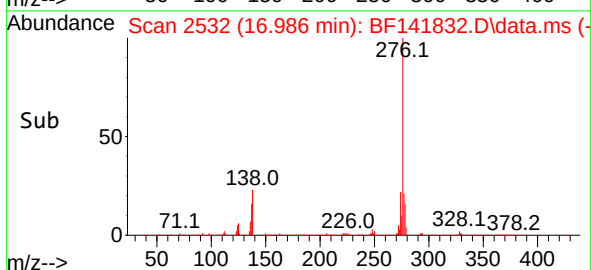
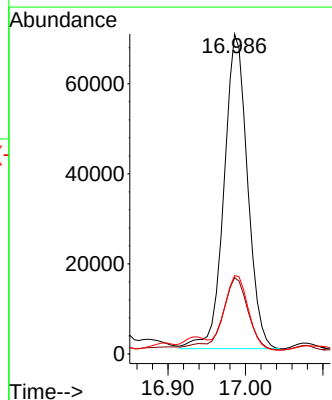
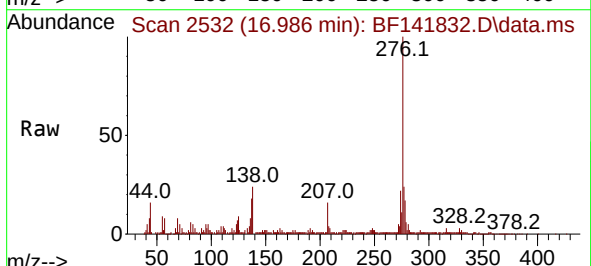
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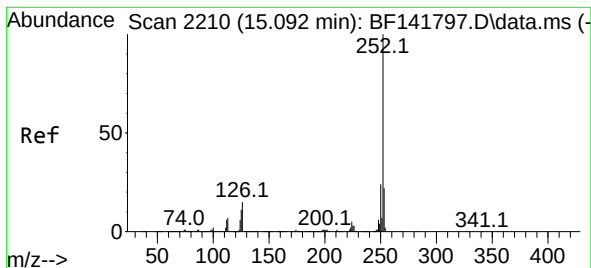
Reviewed By :Anahy Claudio 03/05/2025
Supervised By :Jagrut Upadhyay 03/05/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.484 ng
RT: 16.986 min Scan# 2532
Delta R.T. -0.030 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

Tgt Ion:276 Resp: 147649
Ion Ratio Lower Upper
276 100
138 25.2 22.5 33.7
277 24.4 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 11.797 ng m

RT: 15.080 min Scan# 2210

Delta R.T. -0.012 min

Lab File: BF141832.D

Acq: 04 Mar 2025 17:46

Instrument :

BNA_F

ClientSampleId :

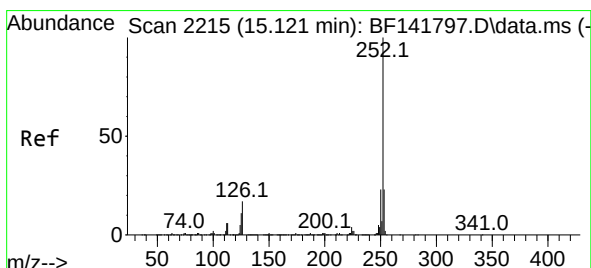
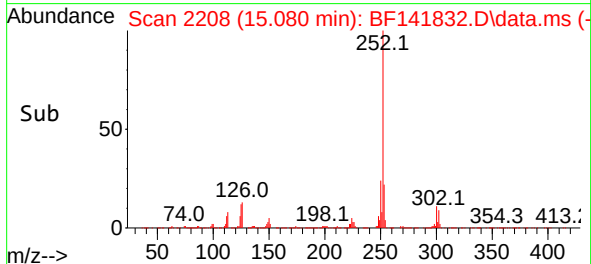
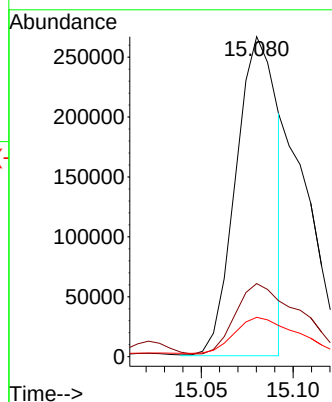
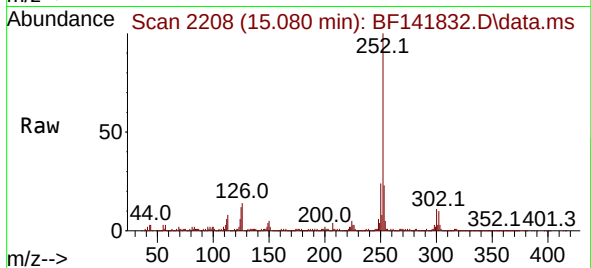
TR-04-02282025DL

Tgt Ion:252 Resp: 415480
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.7 26.5
 125 12.3 8.6 13.0

Manual Integrations

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 Supervised By :Jagrut Upadhyay 03/05/2025



#89

Benzo(k)fluoranthene

Concen: 6.897 ng m

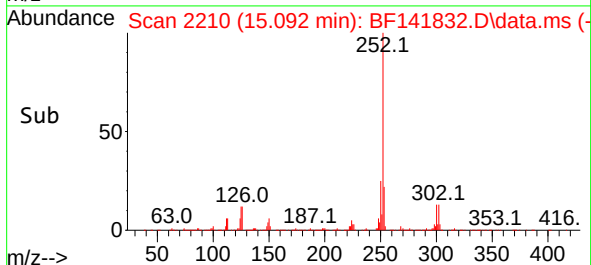
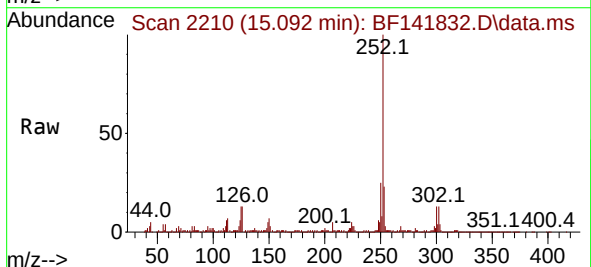
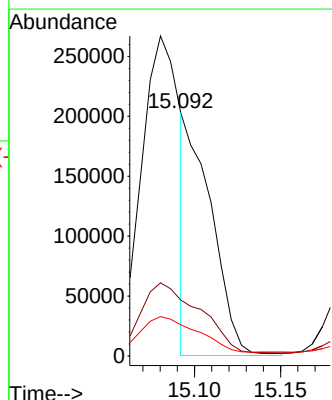
RT: 15.092 min Scan# 2210

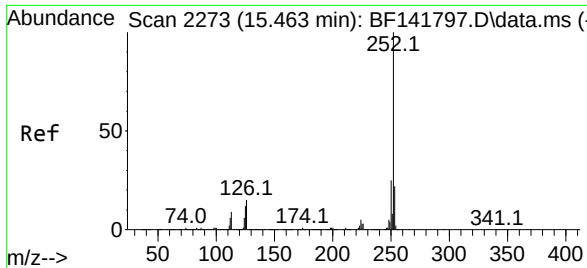
Delta R.T. -0.030 min

Lab File: BF141832.D

Acq: 04 Mar 2025 17:46

Tgt Ion:252 Resp: 206460
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.8 26.8
 125 12.8 8.8 13.2





#90
Benzo(a)pyrene
Concen: 11.218 ng
RT: 15.445 min Scan# 2109
Delta R.T. -0.018 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

Instrument :

BNA_F

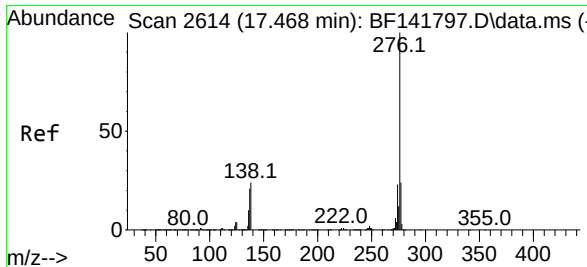
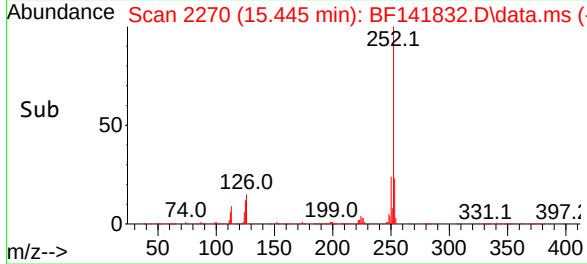
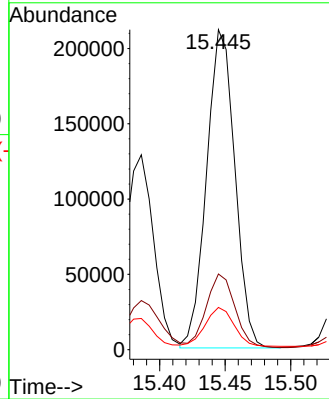
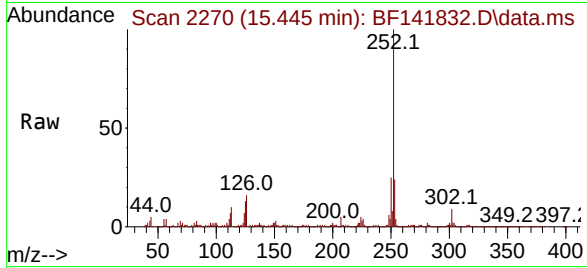
ClientSampleId :

TR-04-02282025DL

Tgt Ion:252 Resp: 31686
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 13.2 9.4 14.2

Manual Integrations
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Reviewed By :Anahy Claudio 03/05/2025
Supervised By :Jagrut Upadhyay 03/05/2025



#92
Benzo(g,h,i)perylene
Concen: 4.447 ng
RT: 17.439 min Scan# 2609
Delta R.T. -0.030 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

Tgt Ion:276 Resp: 122439
Ion Ratio Lower Upper
276 100
277 24.6 19.4 29.0
138 23.8 19.3 28.9

