

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
 Data File : BF142183.D
 Acq On : 31 Mar 2025 16:28
 Operator : RC/JU
 Sample : Q1654-01DL2 50X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT3407DL2

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 04/01/2025
 Supervised By :Jagrut Upadhyay 04/01/2025

Quant Time: Mar 31 17:06:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	109537	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	432392	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	207391	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	307146	20.000	ng	-0.01
76) Chrysene-d12	14.027	240	226518	20.000	ng	-0.01
86) Perylene-d12	15.504	264	281821	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	11499	1.752	ng	-0.01
7) Phenol-d6	6.492	99	17427	2.085	ng	-0.01
23) Nitrobenzene-d5	7.428	82	11098	1.444	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	3598	1.368	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	27674	2.029	ng	-0.02
79) Terphenyl-d14	12.974	244	20393	1.331	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.169	128	344530	15.511	ng	99
37) 2-Methylnaphthalene	8.863	142	236142	15.906	ng	100
38) 1-Methylnaphthalene	8.957	142	117337	8.190	ng	97
46) 1,1'-Biphenyl	9.322	154	76820	4.875	ng	98
52) Acenaphthene	9.933	154	304069	24.825	ng	99
55) Dibenzofuran	10.110	168	328771	18.785	ng	96
58) Fluorene	10.451	166	365377	27.071	ng	99
71) Phenanthrene	11.416	178	1076604	64.895	ng	99
72) Anthracene	11.463	178	149548	8.985	ng	97
73) Carbazole	11.622	167	40559	2.826	ng	99
75) Fluoranthene	12.604	202	534898	30.395	ng	99
78) Pyrene	12.833	202	324783	16.576	ng	98
81) Benzo(a)anthracene	14.021	228	96113	6.466	ng	99
83) Chrysene	14.057	228	70925	5.264	ng	97
88) Benzo(b)fluoranthene	15.074	252	51108m	2.646	ng	

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

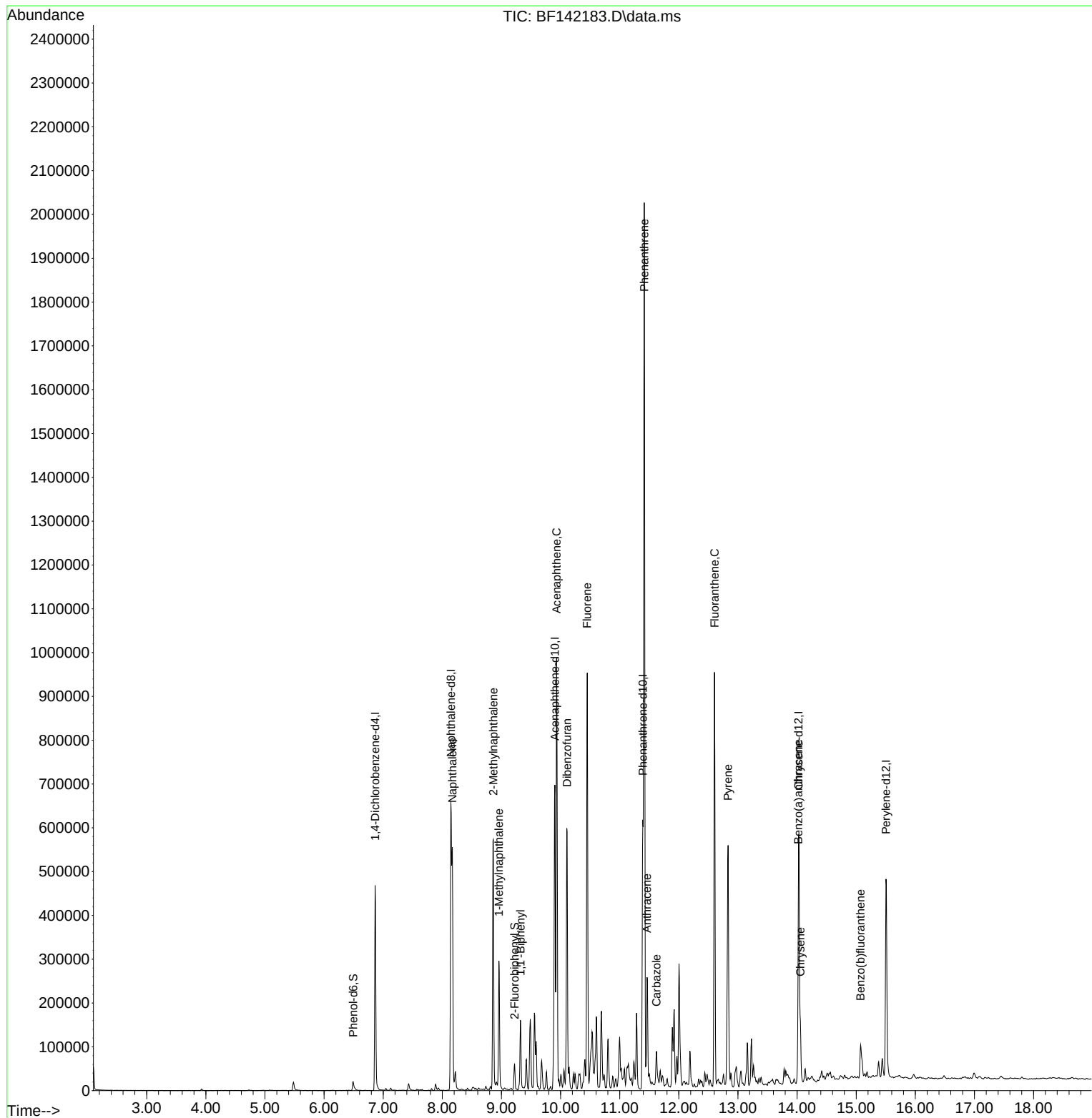
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
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ALS Vial : 10 Sample Multiplier: 1

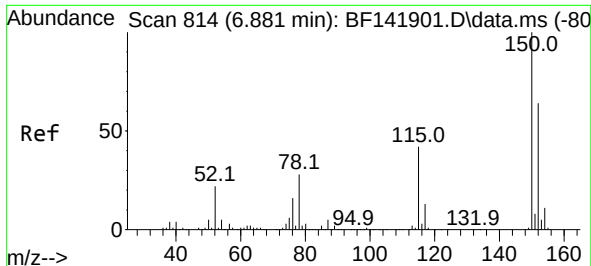
Instrument :
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Quant Time: Mar 31 17:06:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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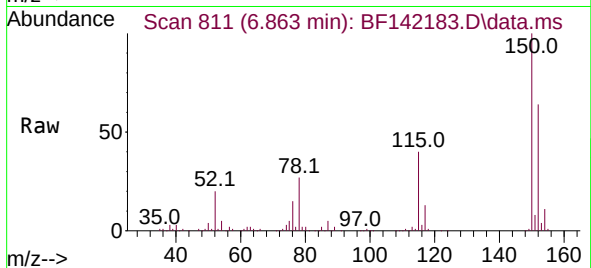
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 814
Delta R.T. -0.018 min
Lab File: BF142183.D
Acq: 31 Mar 2025 16:28

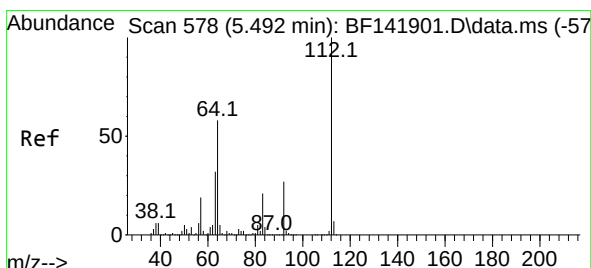
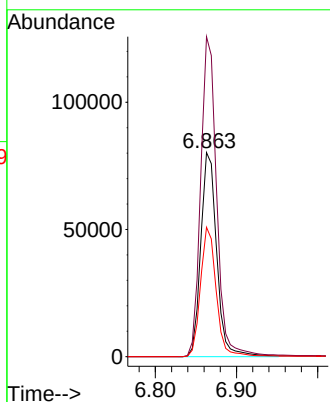
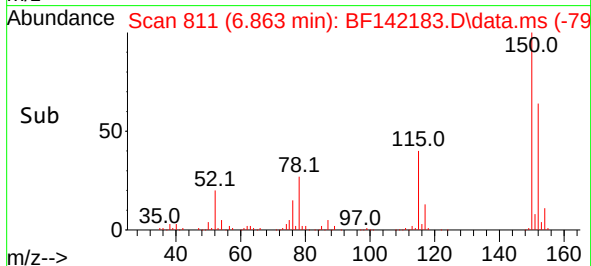
Instrument :
BNA_F
ClientSampleId :
RT3407DL2



Tgt Ion:152 Resp: 10953
Ion Ratio Lower Upper
152 100
150 156.7 127.4 191.2
115 63.4 51.9 77.9

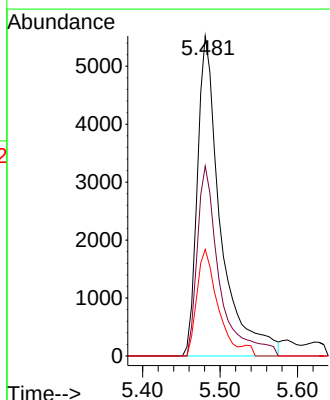
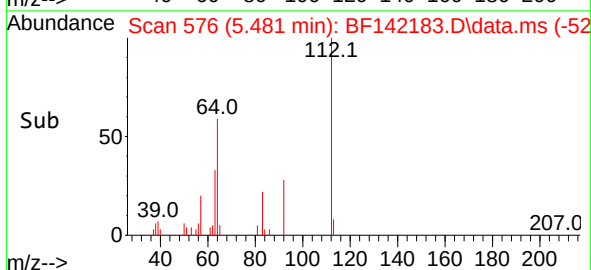
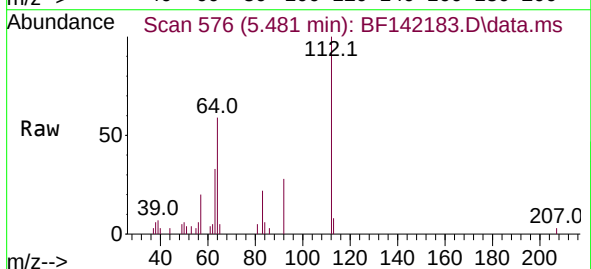
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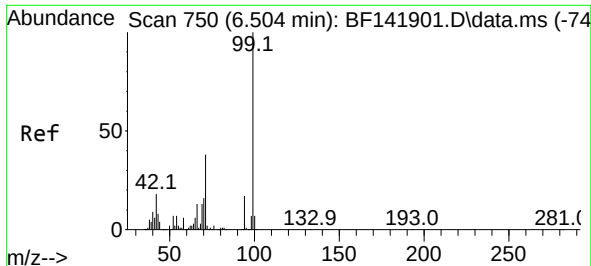
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#5
2-Fluorophenol
Concen: 1.752 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF142183.D
Acq: 31 Mar 2025 16:28

Tgt Ion:112 Resp: 11499
Ion Ratio Lower Upper
112 100
64 59.4 46.5 69.7
63 33.3 25.4 38.2





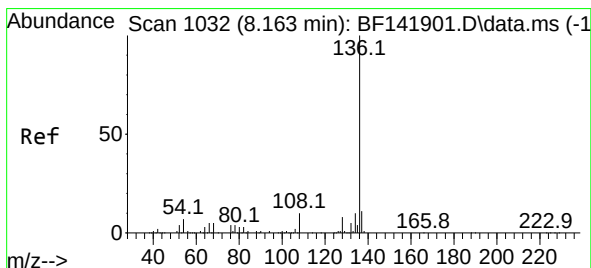
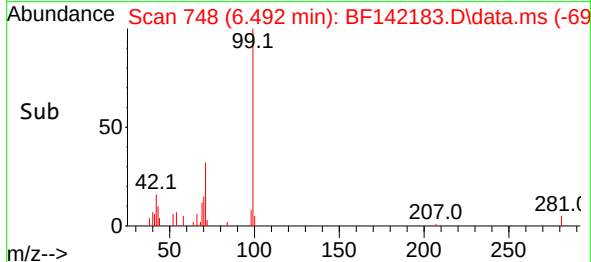
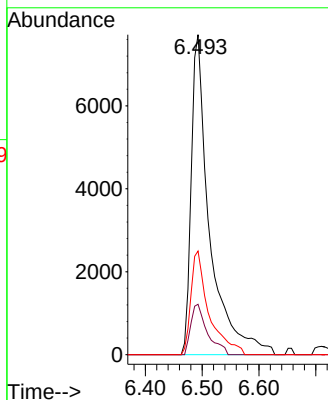
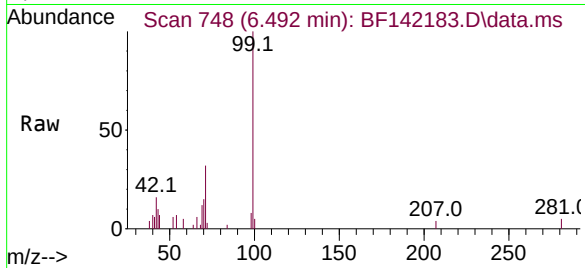
#7
Phenol-d6
Concen: 2.085 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142183.D
Acq: 31 Mar 2025 16:28

Instrument :
BNA_F
ClientSampleId :
RT3407DL2

Tgt Ion: 99 Resp: 1742
Ion Ratio Lower Upper
99 100
42 15.7 14.6 21.8
71 32.4 30.8 46.2

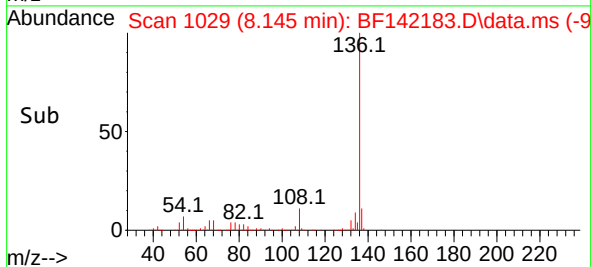
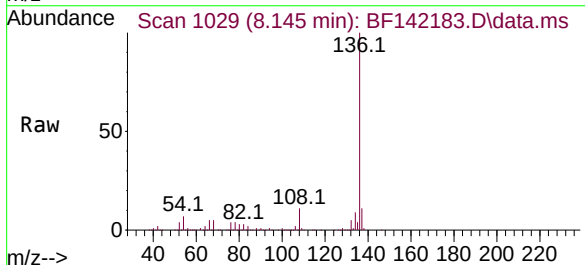
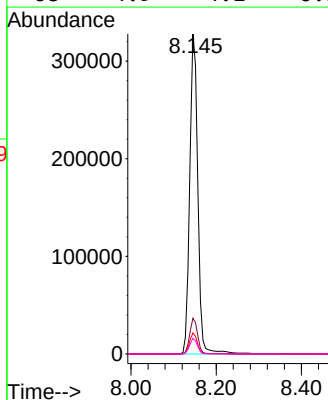
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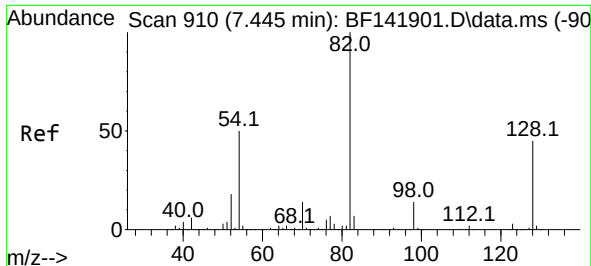
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.018 min
Lab File: BF142183.D
Acq: 31 Mar 2025 16:28

Tgt Ion:136 Resp: 432392
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.6 5.8 8.8
68 4.9 4.1 6.1





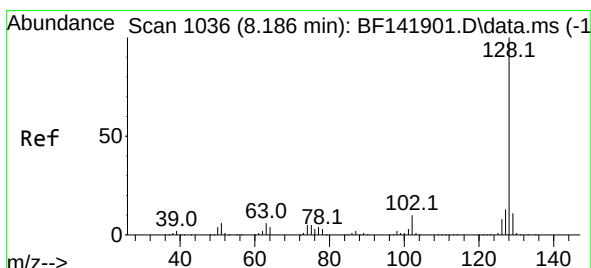
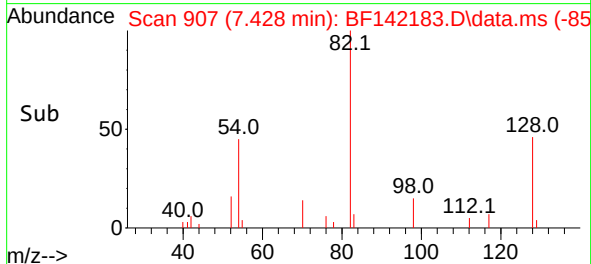
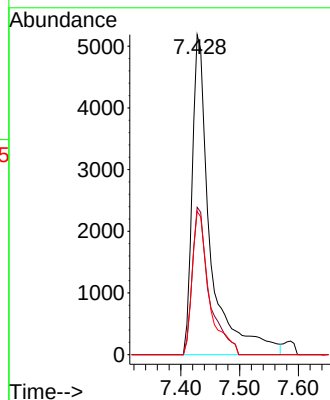
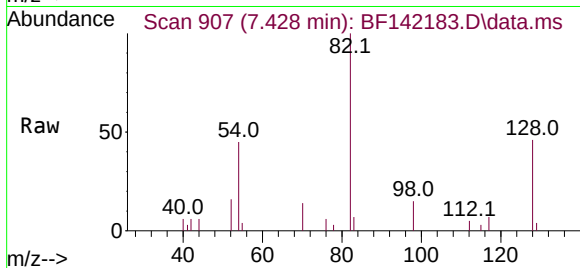
#23
Nitrobenzene-d5
Concen: 1.444 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.018 min
Lab File: BF142183.D
Acq: 31 Mar 2025 16:28

Instrument :
BNA_F
ClientSampleId :
RT3407DL2

Tgt Ion: 82 Resp: 11098
Ion Ratio Lower Upper
82 100
128 46.1 36.0 54.0
54 44.8 39.6 59.4

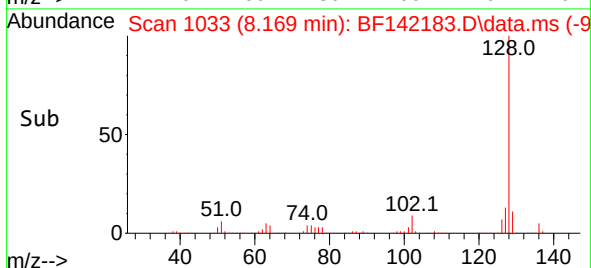
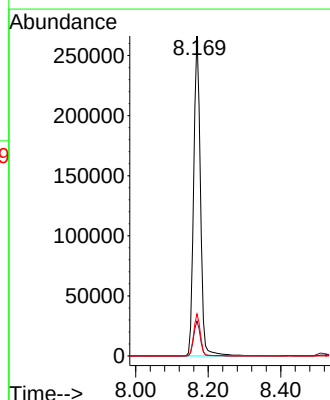
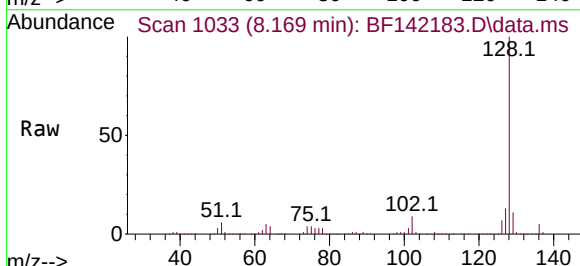
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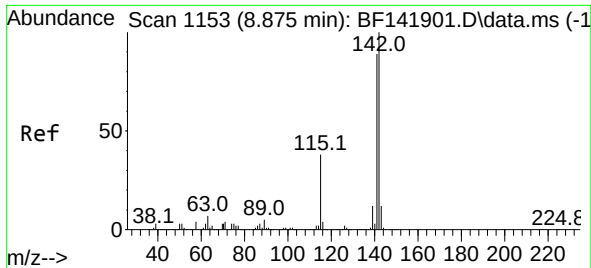
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#31
Naphthalene
Concen: 15.511 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.018 min
Lab File: BF142183.D
Acq: 31 Mar 2025 16:28

Tgt Ion:128 Resp: 344530
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.6
127 13.2 10.8 16.2





#37

2-Methylnaphthalene

Concen: 15.906 ng

RT: 8.863 min Scan# 1151

Delta R.T. -0.012 min

Lab File: BF142183.D

Acq: 31 Mar 2025 16:28

Instrument :

BNA_F

ClientSampleId :

RT3407DL2

Tgt Ion:142 Resp: 23614

Ion Ratio Lower Upper

142 100

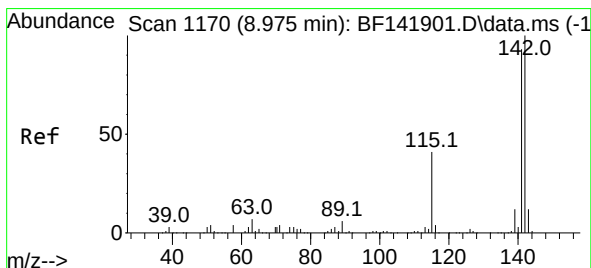
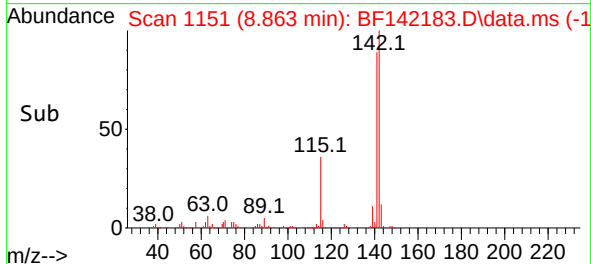
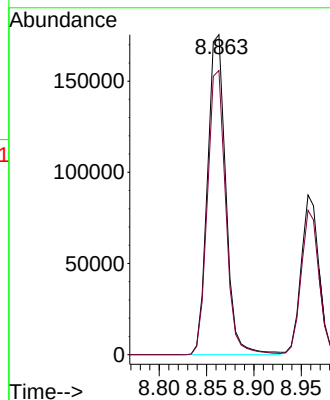
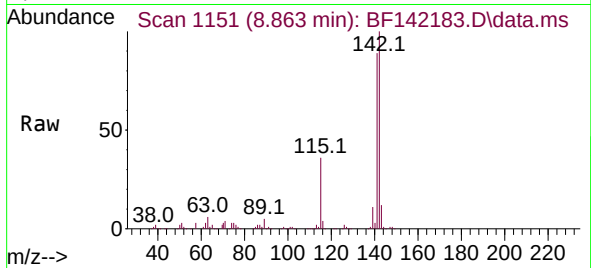
141 88.8 71.2 106.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 04/01/2025



#38

1-Methylnaphthalene

Concen: 8.190 ng

RT: 8.957 min Scan# 1167

Delta R.T. -0.018 min

Lab File: BF142183.D

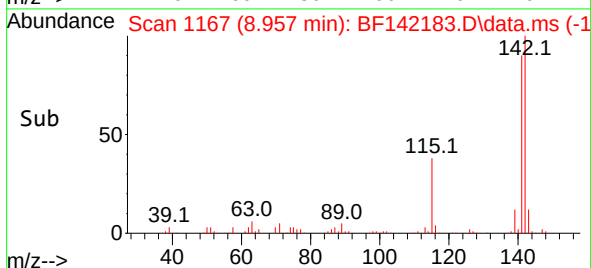
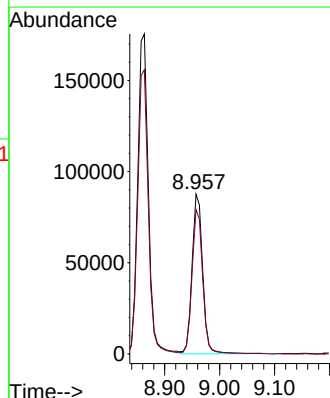
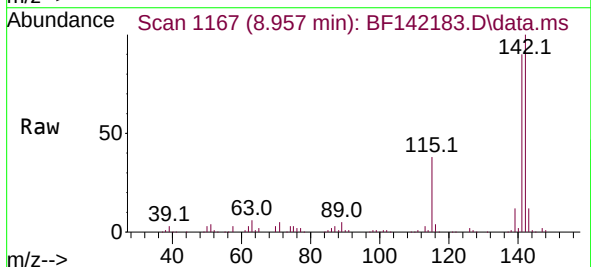
Acq: 31 Mar 2025 16:28

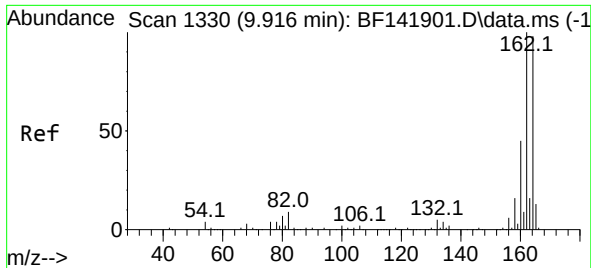
Tgt Ion:142 Resp: 117337

Ion Ratio Lower Upper

142 100

141 90.4 74.2 111.4





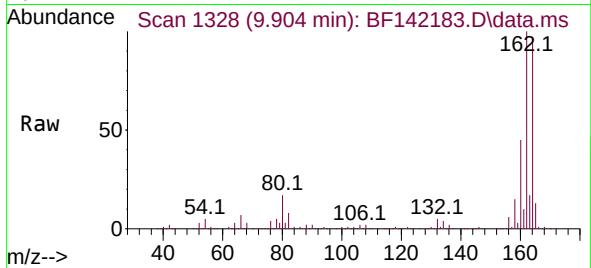
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142183.D
Acq: 31 Mar 2025 16:28

Instrument :

BNA_F

ClientSampleId :

RT3407DL2

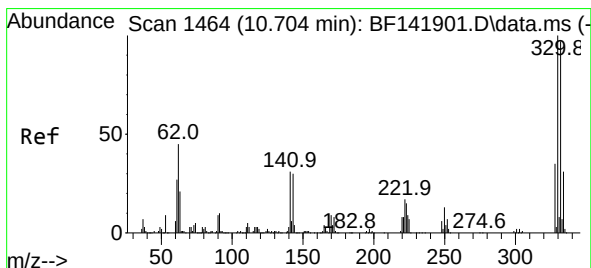
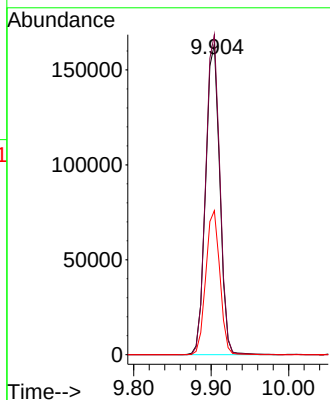
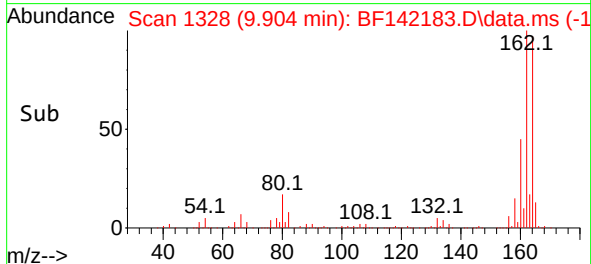


Tgt Ion:164 Resp: 20739
Ion Ratio Lower Upper
164 100
162 103.1 81.8 122.6
160 46.4 36.7 55.1

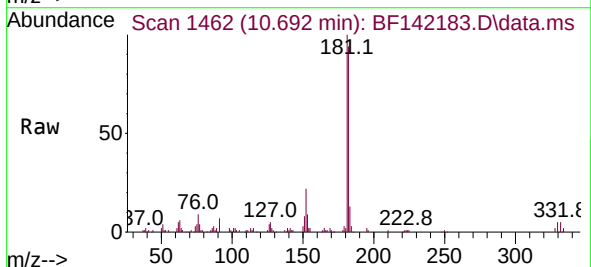
Manual Integrations

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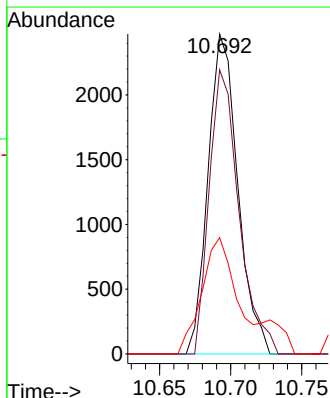
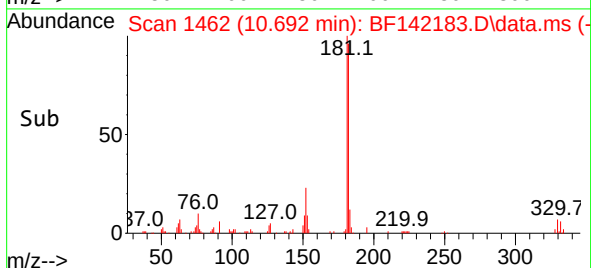
Reviewed By :Anahy Claudio 04/01/2025
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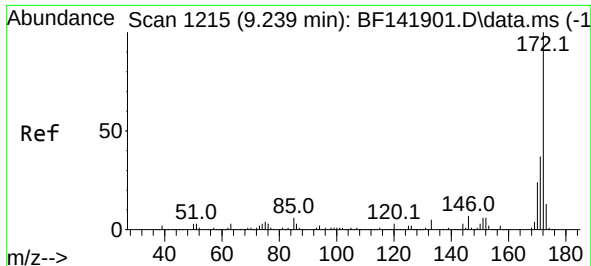


#42
2,4,6-Tribromophenol
Concen: 1.368 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF142183.D
Acq: 31 Mar 2025 16:28



Tgt Ion:330 Resp: 3598
Ion Ratio Lower Upper
330 100
332 88.7 77.6 116.4
141 50.6 24.7 37.1#





#45

2-Fluorobiphenyl

Concen: 2.029 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.018 min

Lab File: BF142183.D

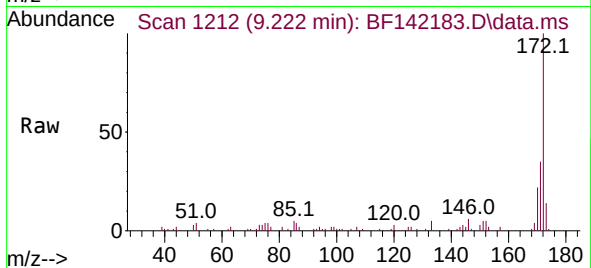
Acq: 31 Mar 2025 16:28

Instrument :

BNA_F

ClientSampleId :

RT3407DL2

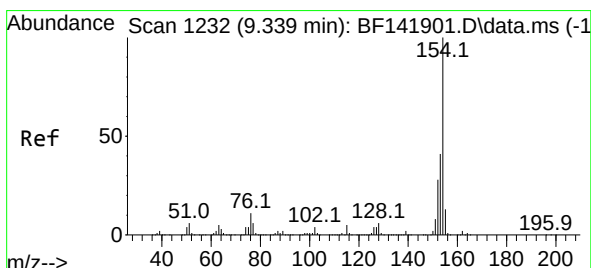
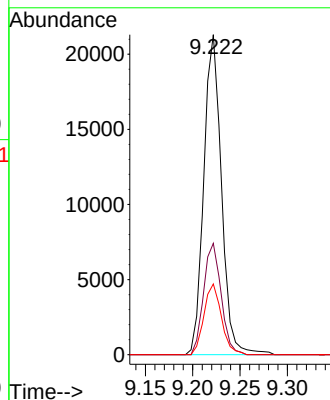
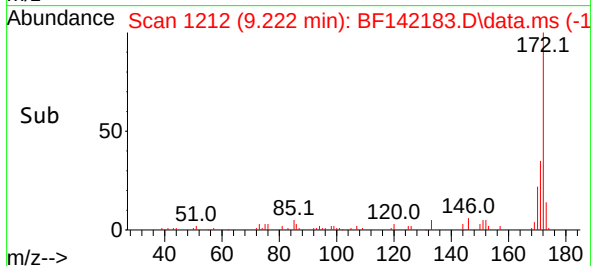


Tgt Ion:	172	Resp:	27674
Ion Ratio	Lower	Upper	
172	100		
171	34.8	29.3	43.9
170	22.1	19.4	29.0

Manual Integrations

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#46

1,1'-Biphenyl

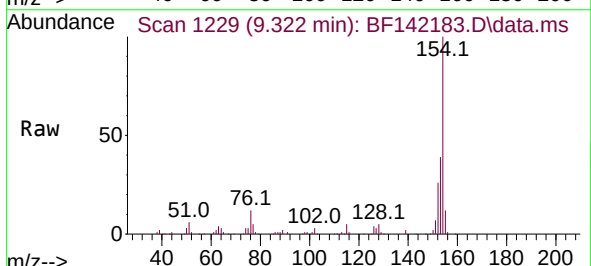
Concen: 4.875 ng

RT: 9.322 min Scan# 1229

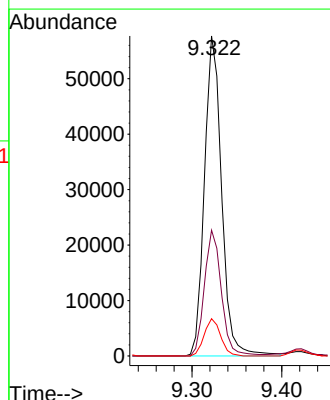
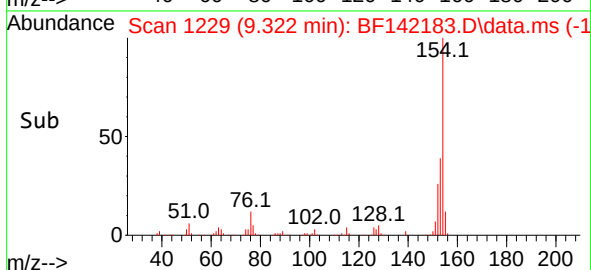
Delta R.T. -0.018 min

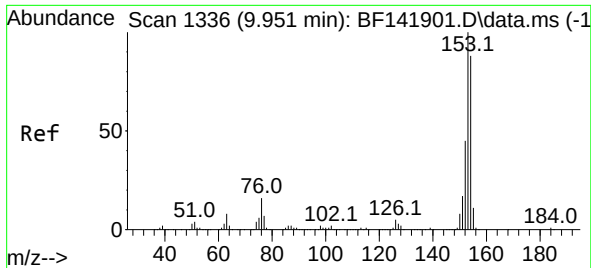
Lab File: BF142183.D

Acq: 31 Mar 2025 16:28



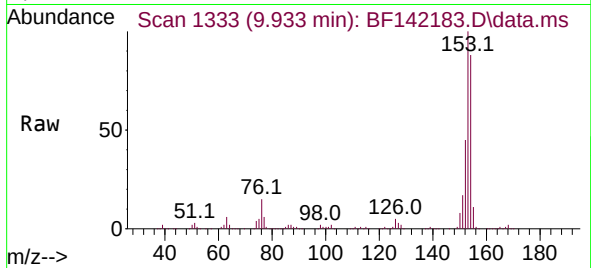
Tgt Ion:	154	Resp:	76820
Ion Ratio	Lower	Upper	
154	100		
153	39.3	21.1	61.1
76	11.7	0.0	31.3





#52
Acenaphthene
Concen: 24.825 ng
RT: 9.933 min Scan# 1333
Delta R.T. -0.018 min
Lab File: BF142183.D
Acq: 31 Mar 2025 16:28

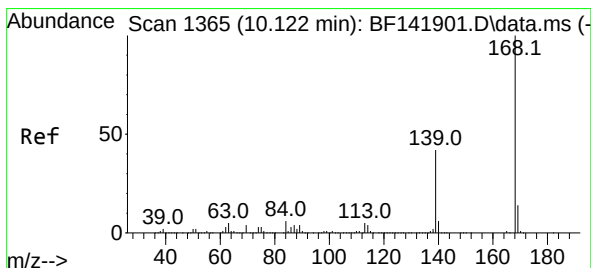
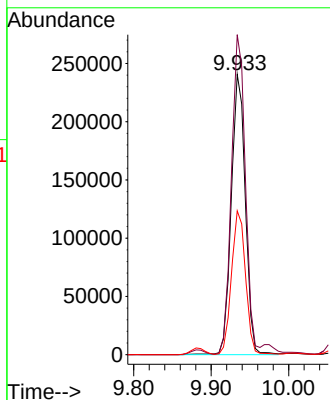
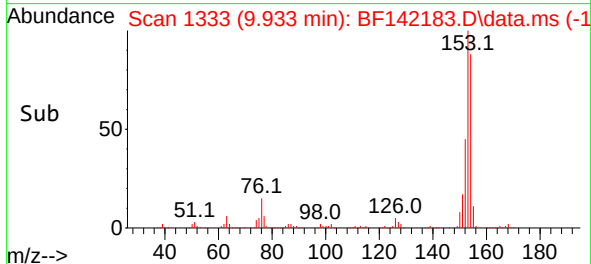
Instrument :
BNA_F
ClientSampleId :
RT3407DL2



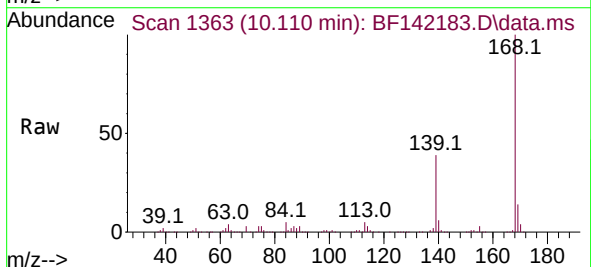
Tgt Ion:154 Resp: 304069
Ion Ratio Lower Upper
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153 114.2 90.7 136.1
152 51.3 41.1 61.7

Manual Integrations
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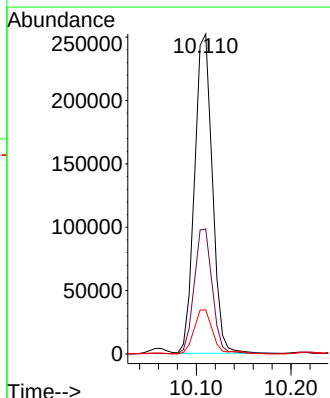
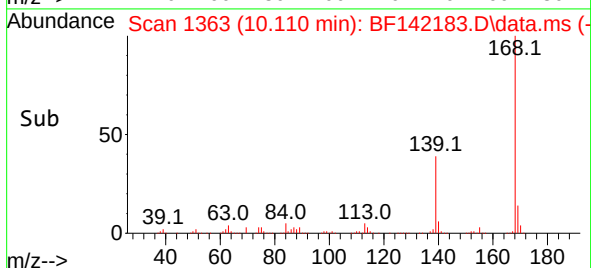
Reviewed By :Anahy Claudio 04/01/2025
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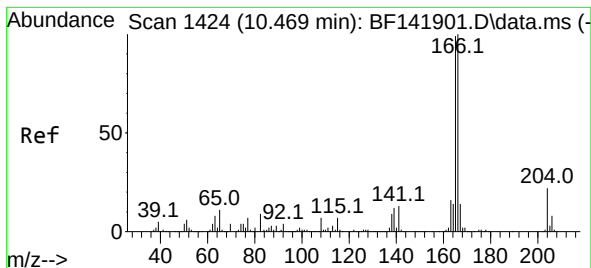


#55
Dibenzofuran
Concen: 18.785 ng
RT: 10.110 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BF142183.D
Acq: 31 Mar 2025 16:28



Tgt Ion:168 Resp: 328771
Ion Ratio Lower Upper
168 100
139 39.1 33.9 50.9
169 13.8 11.0 16.4





#58

Fluorene

Concen: 27.071 ng

RT: 10.451 min Scan# 1424

Delta R.T. -0.018 min

Lab File: BF142183.D

Acq: 31 Mar 2025 16:28

Instrument :

BNA_F

ClientSampleId :

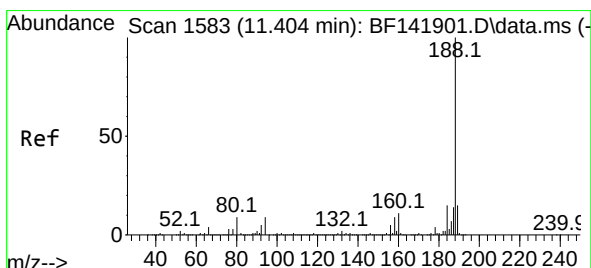
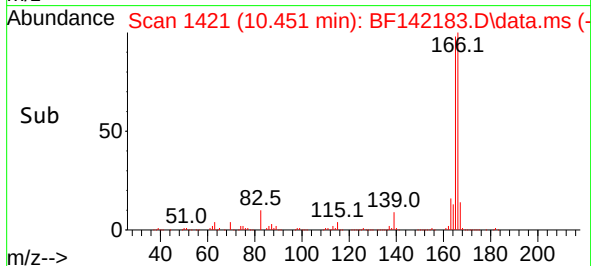
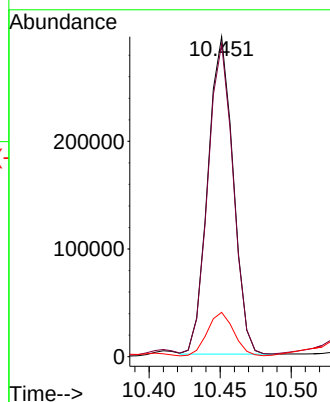
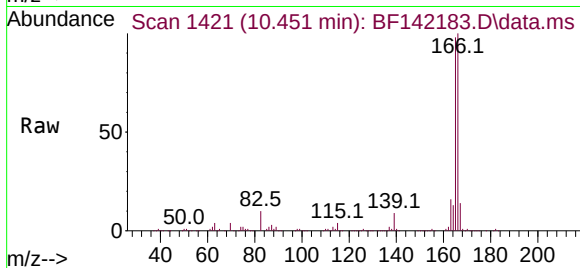
RT3407DL2

Tgt Ion:166 Resp: 36537
 Ion Ratio Lower Upper
 166 100
 165 97.8 79.0 118.4
 167 13.9 11.0 16.4

Manual Integrations

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Reviewed By :Anahy Claudio 04/01/2025
 Supervised By :Jagrut Upadhyay 04/01/2025



#64

Phenanthrene-d10

Concen: 20.000 ng

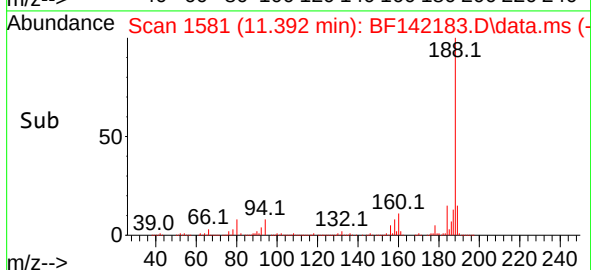
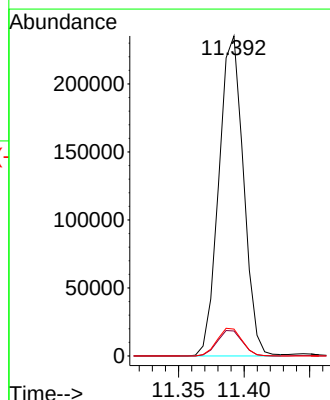
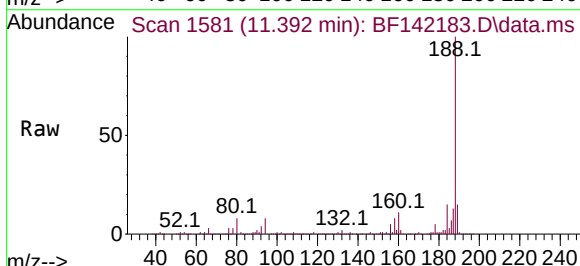
RT: 11.392 min Scan# 1581

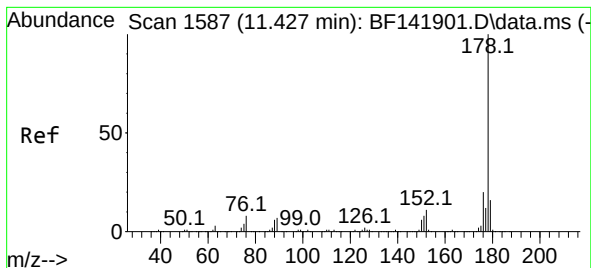
Delta R.T. -0.012 min

Lab File: BF142183.D

Acq: 31 Mar 2025 16:28

Tgt Ion:188 Resp: 307146
 Ion Ratio Lower Upper
 188 100
 94 7.8 6.8 10.2
 80 8.4 7.6 11.4





#71

Phenanthrene

Concen: 64.895 ng

RT: 11.416 min Scan# 1585

Delta R.T. -0.012 min

Lab File: BF142183.D

Acq: 31 Mar 2025 16:28

Instrument :

BNA_F

ClientSampleId :

RT3407DL2

Tgt Ion:178 Resp: 1076604

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

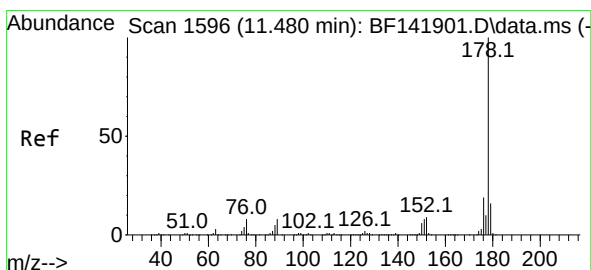
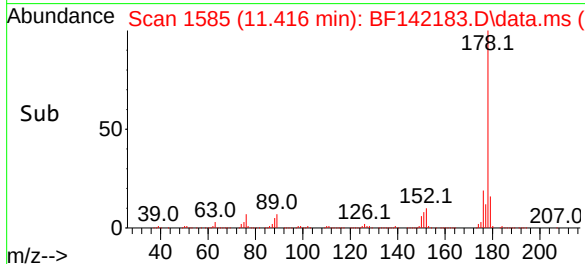
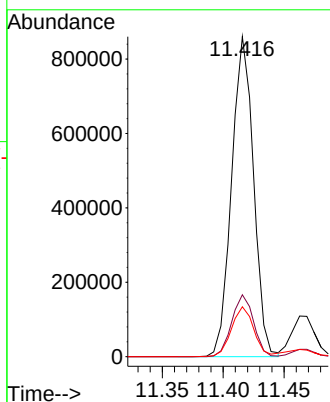
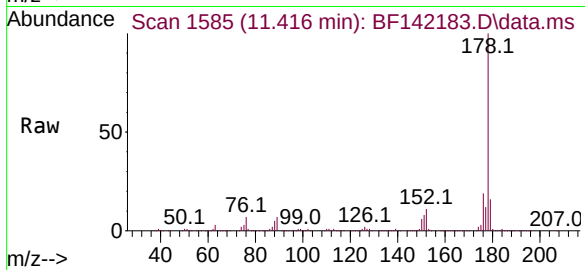
179 15.6 12.6 19.0

Manual Integrations

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Reviewed By :Anahy Claudio 04/01/2025

Supervised By :Jagrut Upadhyay 04/01/2025



#72

Anthracene

Concen: 8.985 ng

RT: 11.463 min Scan# 1593

Delta R.T. -0.018 min

Lab File: BF142183.D

Acq: 31 Mar 2025 16:28

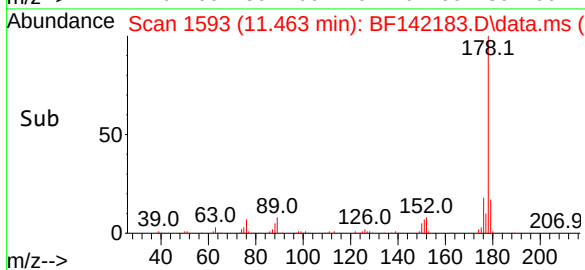
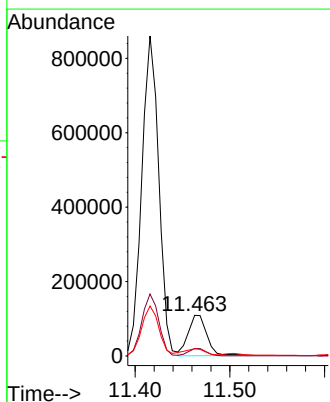
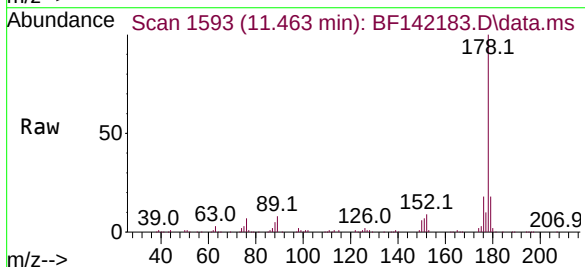
Tgt Ion:178 Resp: 149548

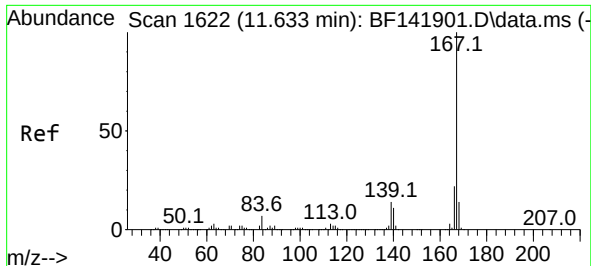
Ion Ratio Lower Upper

178 100

176 18.2 15.1 22.7

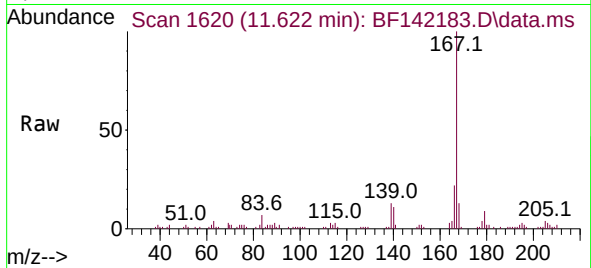
179 17.6 12.6 19.0





#73
 Carbazole
 Concen: 2.826 ng
 RT: 11.622 min Scan# 1620
 Delta R.T. -0.012 min
 Lab File: BF142183.D
 Acq: 31 Mar 2025 16:28

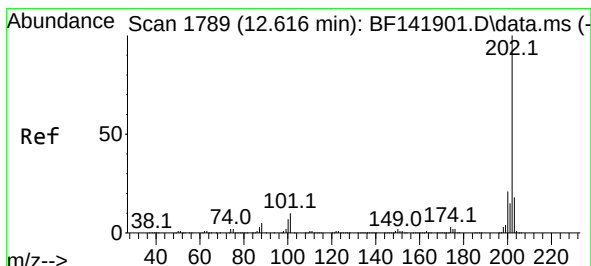
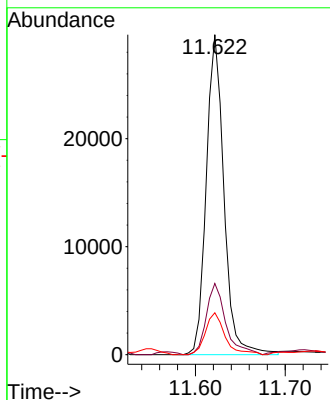
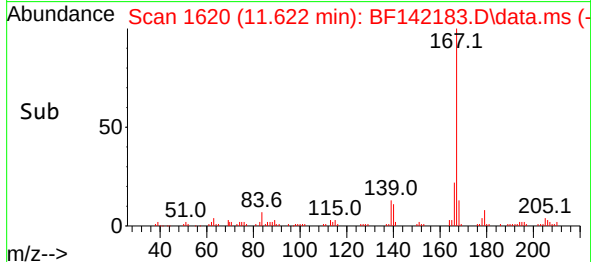
Instrument :
 BNA_F
 ClientSampleId :
 RT3407DL2



Tgt Ion:167 Resp: 40558
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.4 26.2
 139 13.1 11.0 16.6

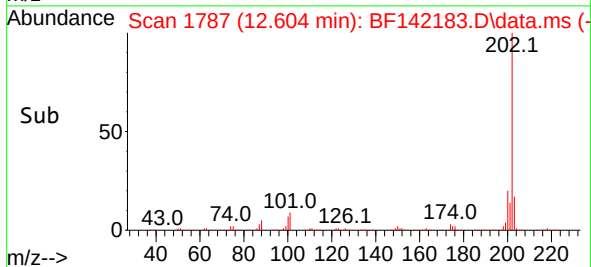
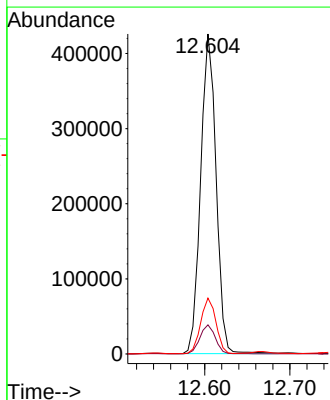
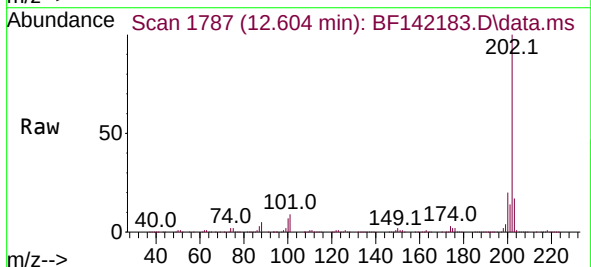
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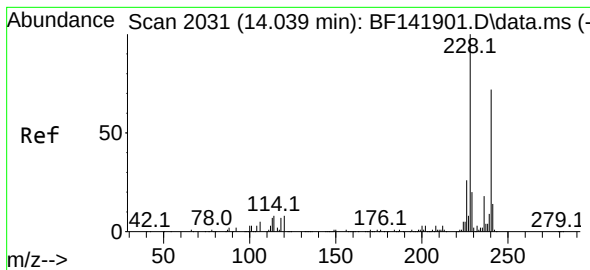
Reviewed By :Anahy Claudio 04/01/2025
 Supervised By :Jagrut Upadhyay 04/01/2025



#75
 Fluoranthene
 Concen: 30.395 ng
 RT: 12.604 min Scan# 1787
 Delta R.T. -0.012 min
 Lab File: BF142183.D
 Acq: 31 Mar 2025 16:28

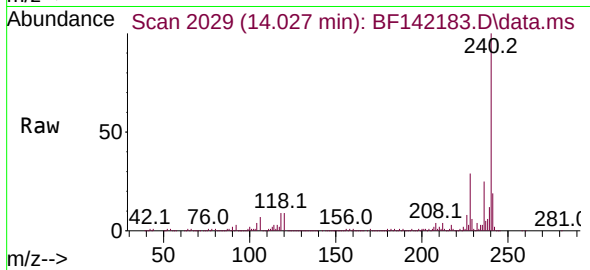
Tgt Ion:202 Resp: 534898
 Ion Ratio Lower Upper
 202 100
 101 9.1 0.0 29.7
 203 17.5 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF142183.D
Acq: 31 Mar 2025 16:28

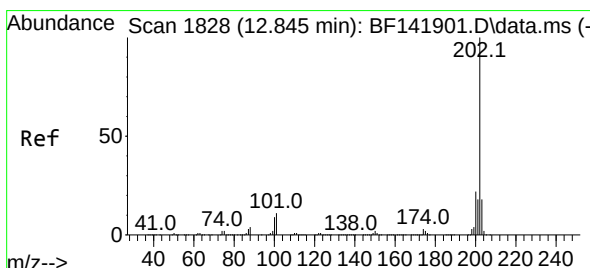
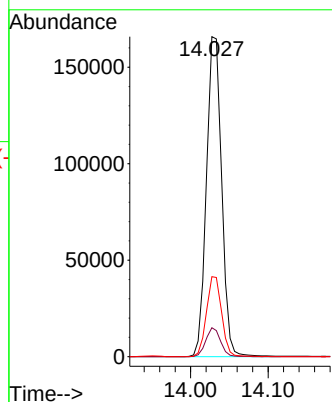
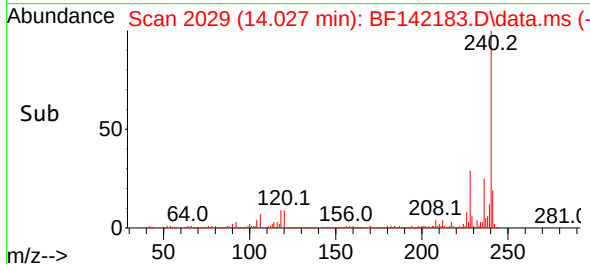
Instrument :
BNA_F
ClientSampleId :
RT3407DL2



Tgt Ion:240 Resp: 226518
Ion Ratio Lower Upper
240 100
120 9.0 8.4 12.6
236 25.0 20.5 30.7

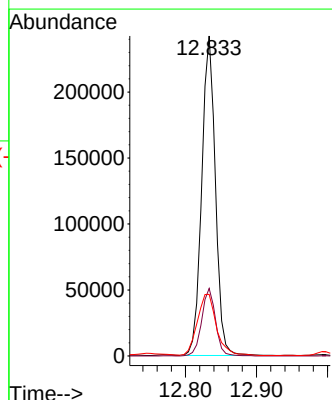
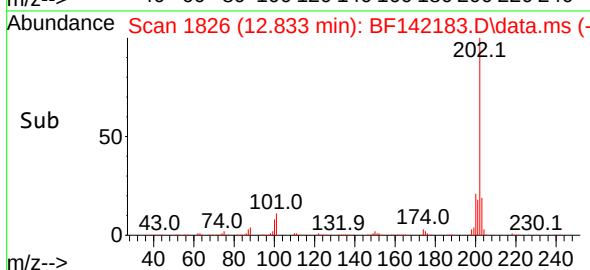
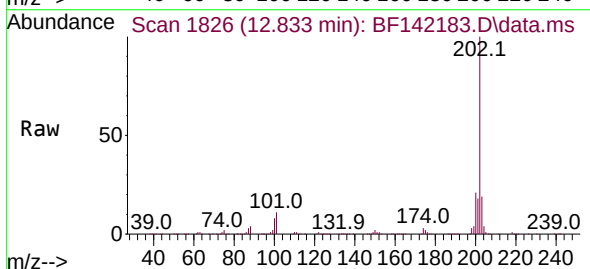
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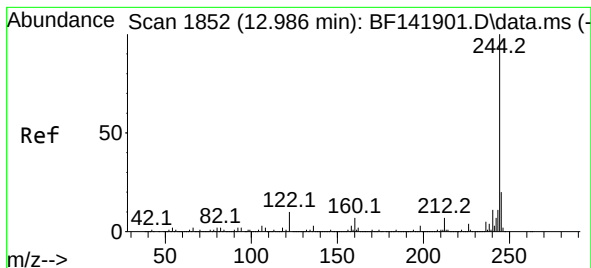
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#78
Pyrene
Concen: 16.576 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF142183.D
Acq: 31 Mar 2025 16:28

Tgt Ion:202 Resp: 324783
Ion Ratio Lower Upper
202 100
200 21.1 17.3 25.9
203 19.2 14.4 21.6





#79

Terphenyl-d14

Concen: 1.331 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.012 min

Lab File: BF142183.D

Acq: 31 Mar 2025 16:28

Instrument :

BNA_F

ClientSampleId :

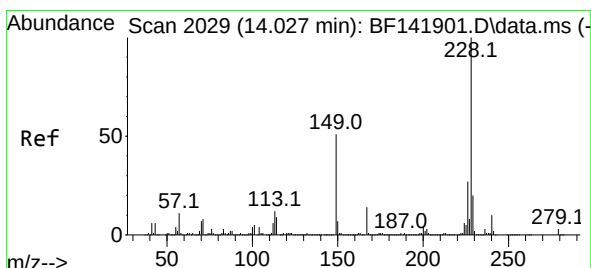
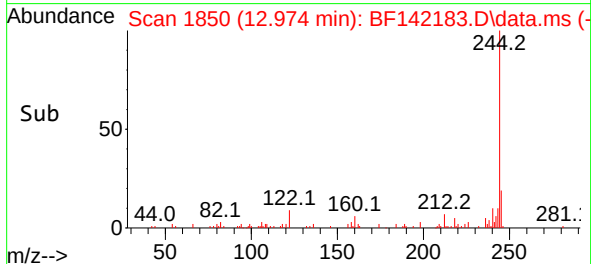
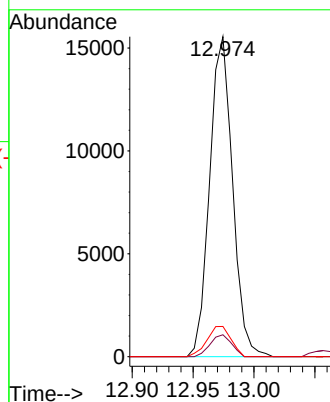
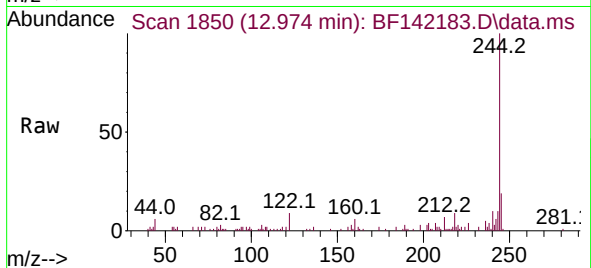
RT3407DL2

Tgt Ion:244	Resp:	2039
Ion Ratio	Lower	Upper
244	100	
212	6.9	6.0 9.0
122	9.5	7.7 11.5

Manual Integrations

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Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#81

Benzo(a)anthracene

Concen: 6.466 ng

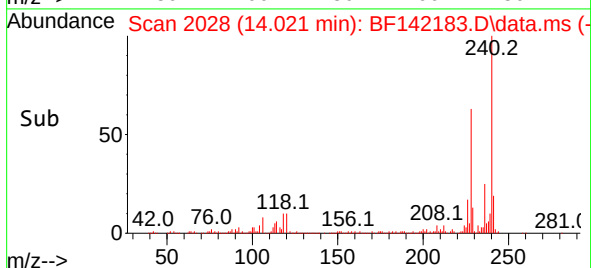
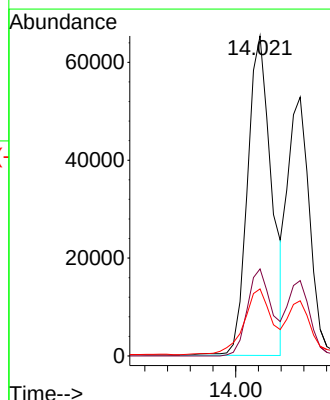
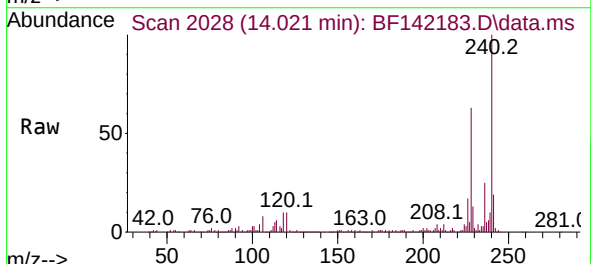
RT: 14.021 min Scan# 2028

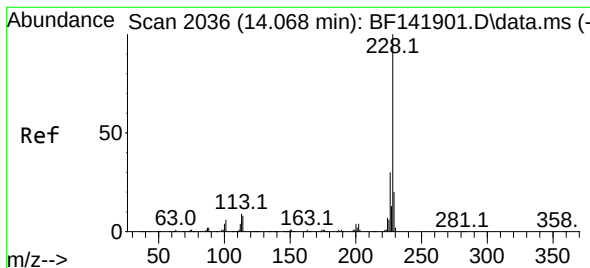
Delta R.T. -0.006 min

Lab File: BF142183.D

Acq: 31 Mar 2025 16:28

Tgt Ion:228	Resp:	96113
Ion Ratio	Lower	Upper
228	100	
226	27.2	21.8 32.8
229	20.9	16.0 24.0





#83

Chrysene

Concen: 5.264 ng

RT: 14.057 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF142183.D

Acq: 31 Mar 2025 16:28

Instrument :

BNA_F

ClientSampleId :

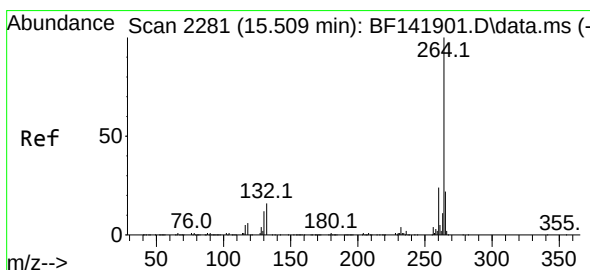
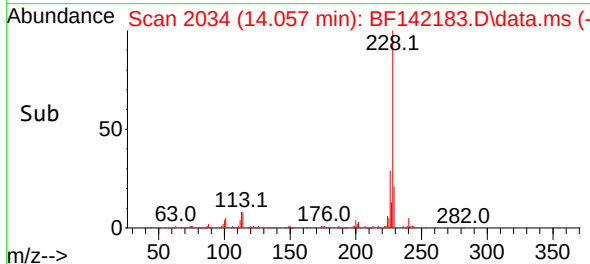
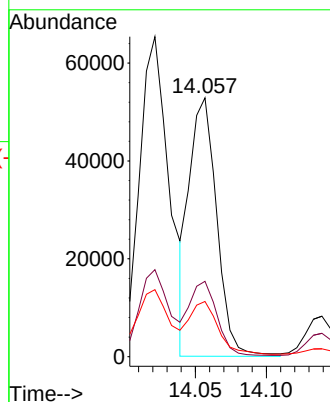
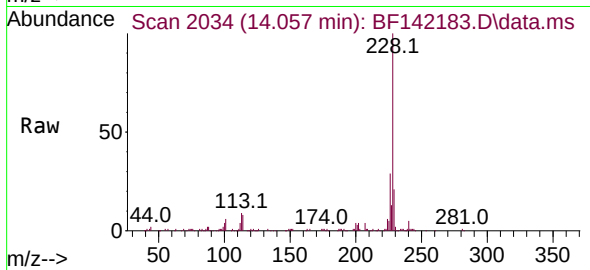
RT3407DL2

Tgt Ion:228	Resp: 70925
Ion Ratio	Lower Upper
228 100	
226 29.1	24.1 36.1
229 21.3	15.7 23.5

Manual Integrations

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Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#86

Perylene-d12

Concen: 20.000 ng

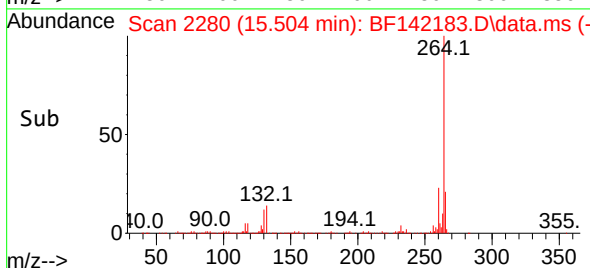
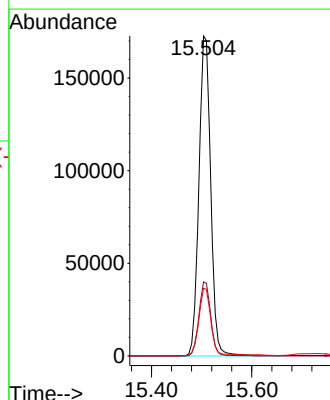
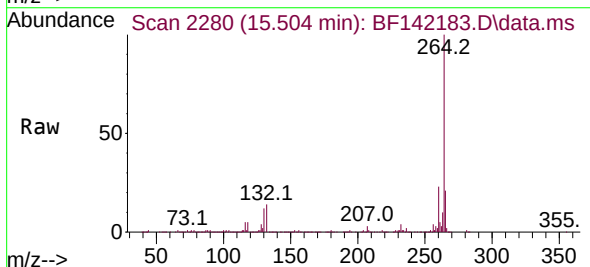
RT: 15.504 min Scan# 2280

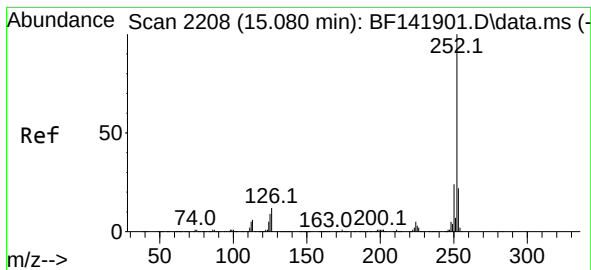
Delta R.T. -0.006 min

Lab File: BF142183.D

Acq: 31 Mar 2025 16:28

Tgt Ion:264	Resp: 281821
Ion Ratio	Lower Upper
264 100	
260 23.2	19.1 28.7
265 21.2	17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 2.646 ng m

RT: 15.074 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142183.D

Acq: 31 Mar 2025 16:28

Instrument :

BNA_F

ClientSampleId :

RT3407DL2

Tgt Ion:252 Resp: 51108

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 10.2 7.0 10.4

Manual Integrations

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Reviewed By :Anahy Claudio 04/01/2025

Supervised By :Jagrut Upadhyay 04/01/2025

