

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030525\
 Data File : BF141856.D
 Acq On : 05 Mar 2025 21:20
 Operator : RC/JU
 Sample : Q1482-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-030425

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/06/2025
 Supervised By :Jagrut Upadhyay 03/06/2025

Quant Time: Mar 06 00:16:39 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	154259	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	551519	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	245387	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	403376	20.000	ng	0.00
76) Chrysene-d12	14.039	240	368589	20.000	ng	-0.01
86) Perylene-d12	15.510	264	257354	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	166028	17.188	ng	0.00
7) Phenol-d6	6.493	99	208225	16.562	ng	-0.02
23) Nitrobenzene-d5	7.440	82	119594	13.861	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	36785	15.968	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	212028	13.855	ng	-0.01
79) Terphenyl-d14	12.986	244	237630	10.431	ng	-0.01
Target Compounds						
						Qvalue
75) Fluoranthene	12.616	202	122594	5.545	ng	97
78) Pyrene	12.845	202	114947	3.601	ng	99
81) Benzo(a)anthracene	14.027	228	58811	2.416	ng	95
83) Chrysene	14.063	228	48953	2.181	ng	96
88) Benzo(b)fluoranthene	15.080	252	48357m	2.758	ng	
90) Benzo(a)pyrene	15.445	252	33215	2.363	ng	# 90

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

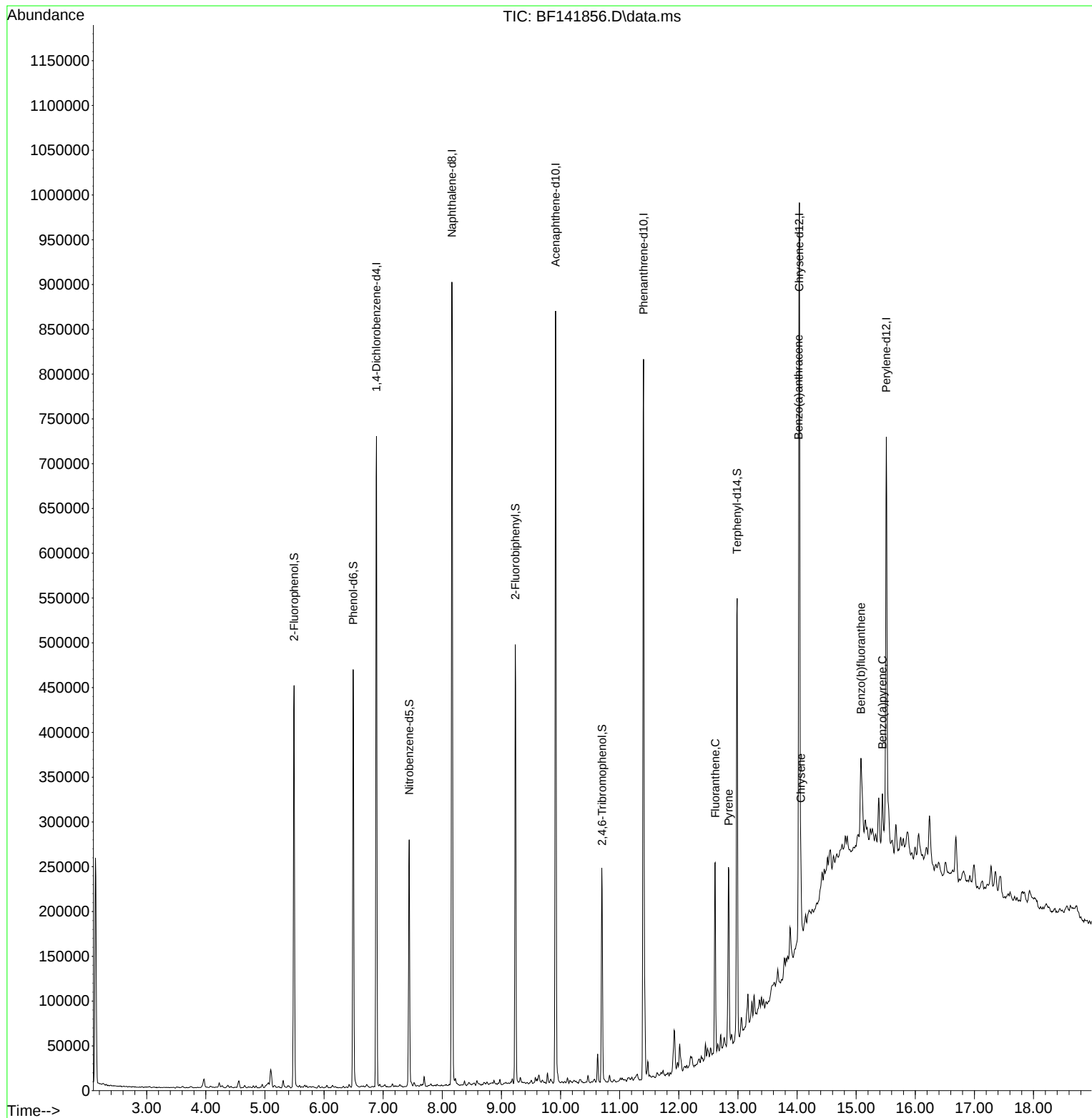
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030525\
Data File : BF141856.D
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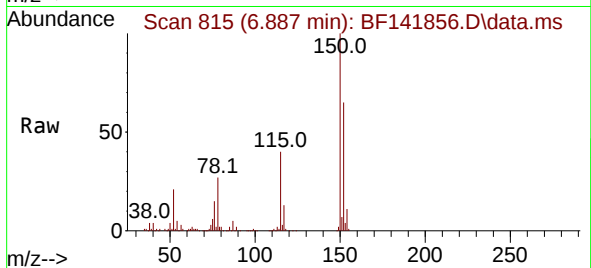
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141856.D
Acq: 05 Mar 2025 21:20

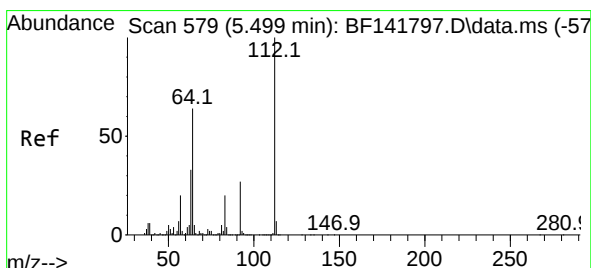
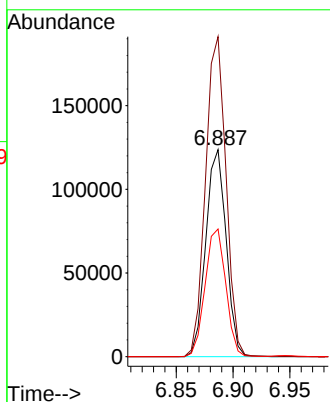
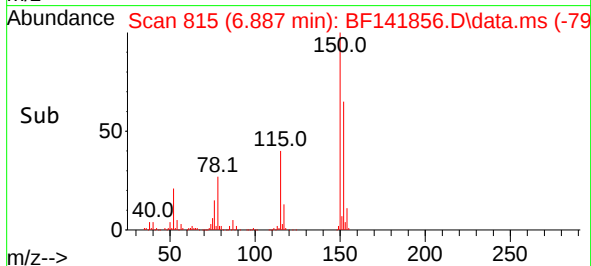
Instrument :
BNA_F
ClientSampleId :
OR-03-030425



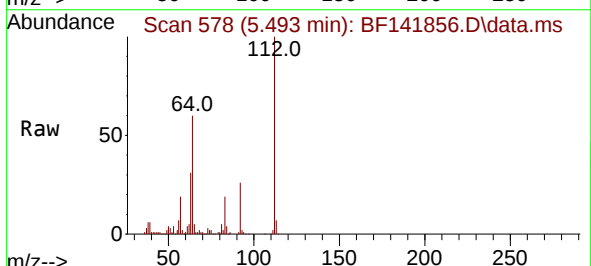
Tgt Ion:152 Resp: 154258
Ion Ratio Lower Upper
152 100
150 154.6 127.5 191.3
115 61.7 51.4 77.2

Manual Integrations
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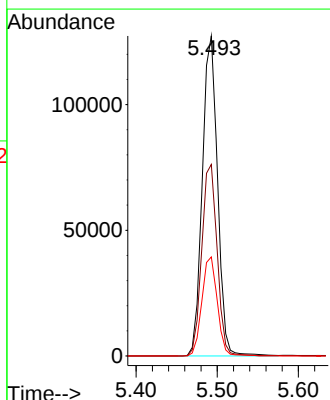
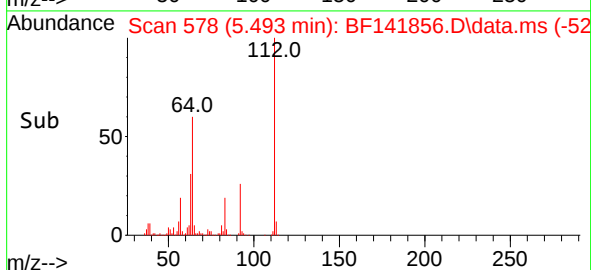
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#5
2-Fluorophenol
Concen: 17.188 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF141856.D
Acq: 05 Mar 2025 21:20



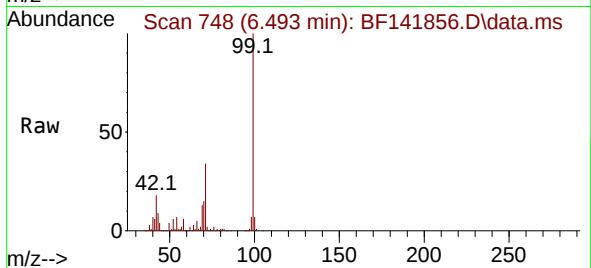
Tgt Ion:112 Resp: 166028
Ion Ratio Lower Upper
112 100
64 59.9 51.3 76.9
63 31.0 26.2 39.4





#7
Phenol-d6
Concen: 16.562 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF141856.D
Acq: 05 Mar 2025 21:20

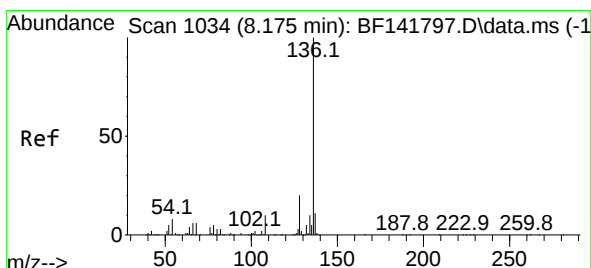
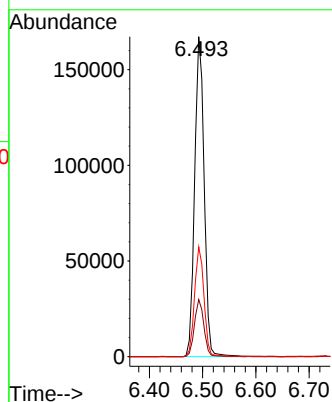
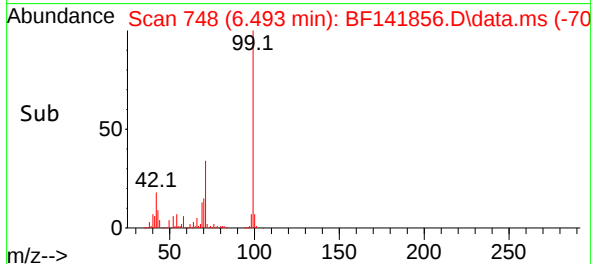
Instrument :
BNA_F
ClientSampleId :
OR-03-030425



Tgt Ion: 99 Resp: 208225
Ion Ratio Lower Upper
99 100
42 17.9 15.2 22.8
71 34.3 28.2 42.2

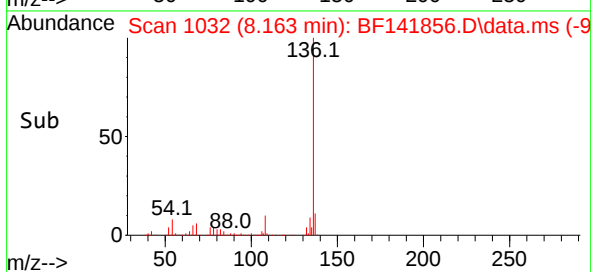
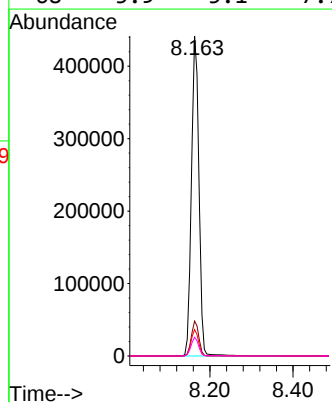
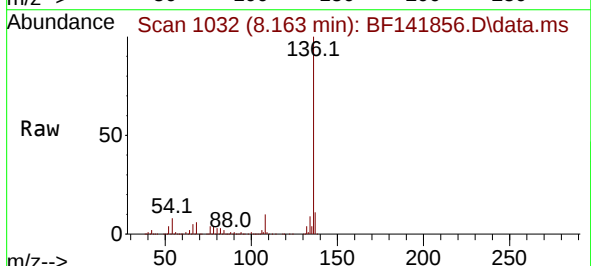
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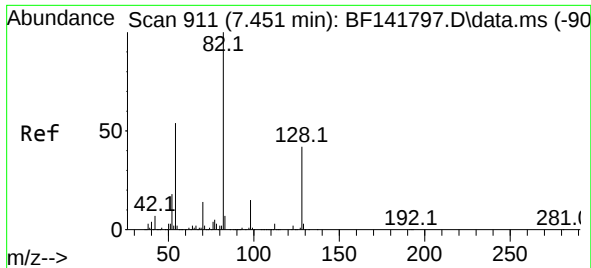
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141856.D
Acq: 05 Mar 2025 21:20

Tgt Ion:136 Resp: 551519
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 8.3 6.9 10.3
68 5.9 5.1 7.7





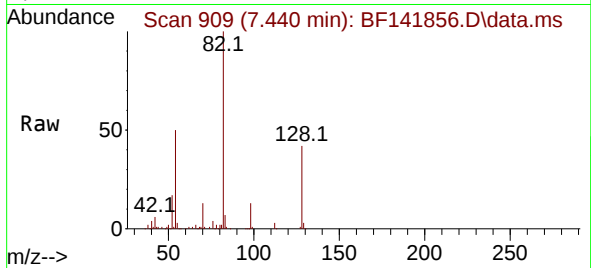
#23
Nitrobenzene-d5
Concen: 13.861 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF141856.D
Acq: 05 Mar 2025 21:20

Instrument :

BNA_F

ClientSampleId :

OR-03-030425

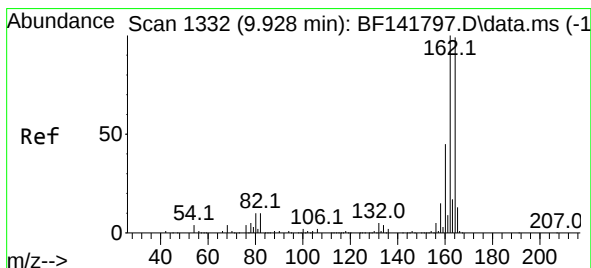
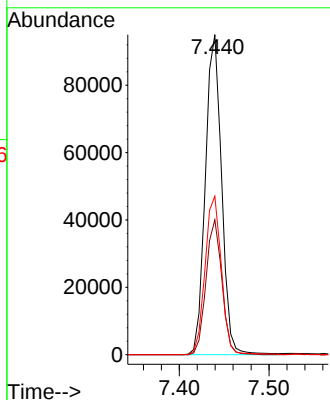
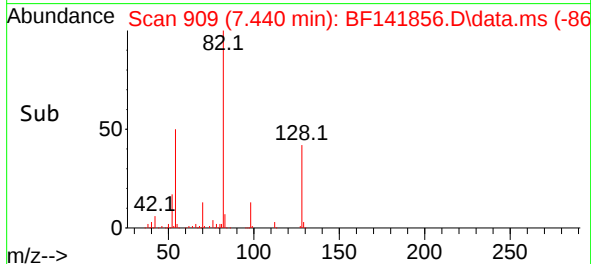


Tgt Ion: 82 Resp: 119594
Ion Ratio Lower Upper
82 100
128 42.2 33.5 50.3
54 49.5 42.7 64.1

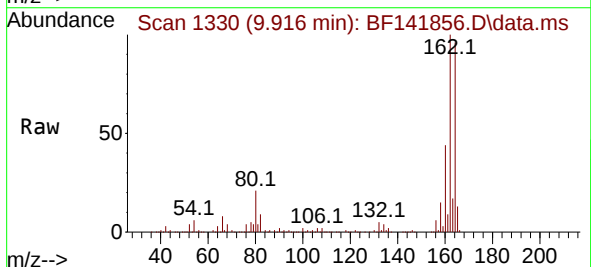
Manual Integrations

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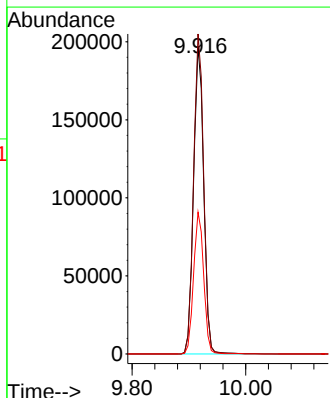
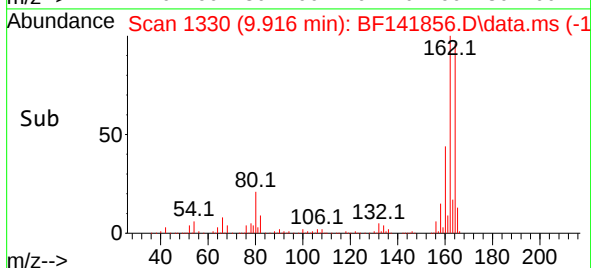
Reviewed By :Anahy Claudio 03/06/2025
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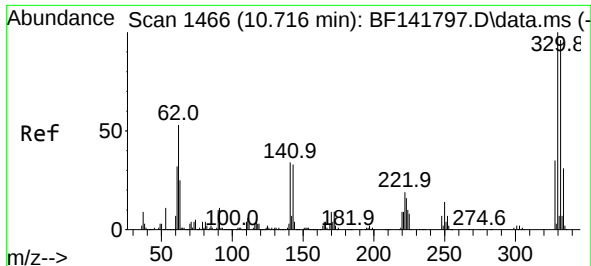


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.012 min
Lab File: BF141856.D
Acq: 05 Mar 2025 21:20



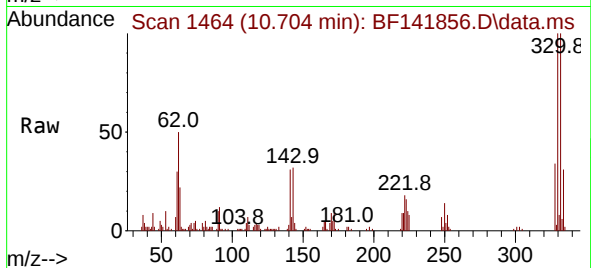
Tgt Ion:164 Resp: 245387
Ion Ratio Lower Upper
164 100
162 104.2 80.6 120.8
160 46.1 36.3 54.5





#42
2,4,6-Tribromophenol
Concen: 15.968 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.012 min
Lab File: BF141856.D
Acq: 05 Mar 2025 21:20

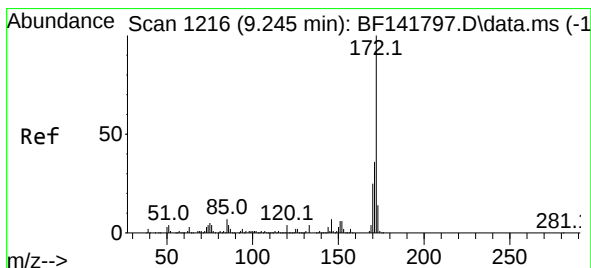
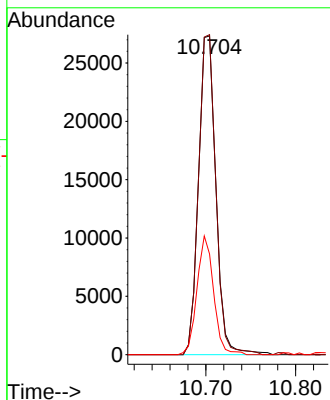
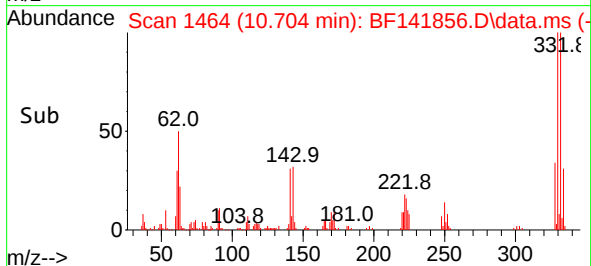
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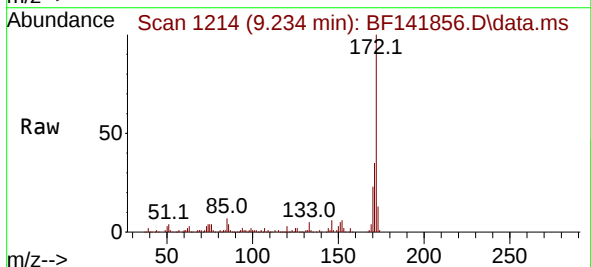
Tgt Ion: 330 Resp: 3678
Ion Ratio Lower Upper
330 100
332 99.4 76.6 115.0
141 35.6 29.0 43.4

Manual Integrations
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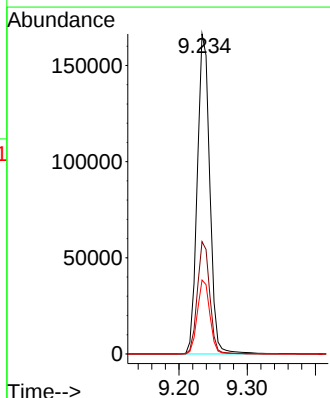
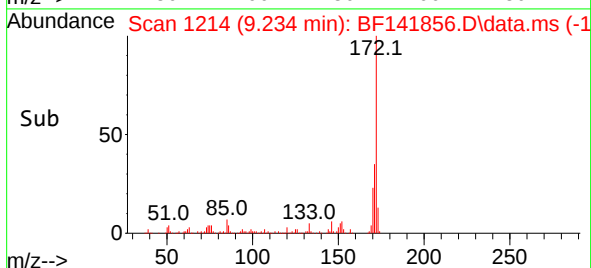
Reviewed By :Anahy Claudio 03/06/2025
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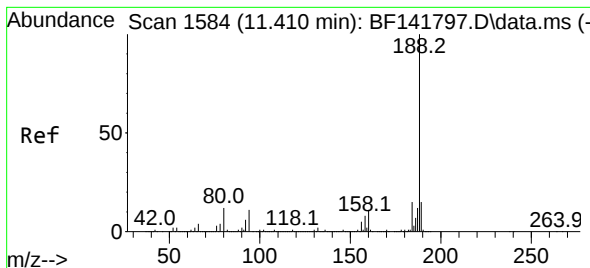


#45
2-Fluorobiphenyl
Concen: 13.855 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.012 min
Lab File: BF141856.D
Acq: 05 Mar 2025 21:20



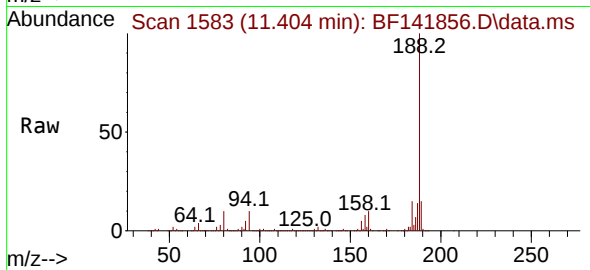
Tgt Ion: 172 Resp: 212028
Ion Ratio Lower Upper
172 100
171 35.1 29.2 43.8
170 23.1 19.7 29.5





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141856.D
Acq: 05 Mar 2025 21:20

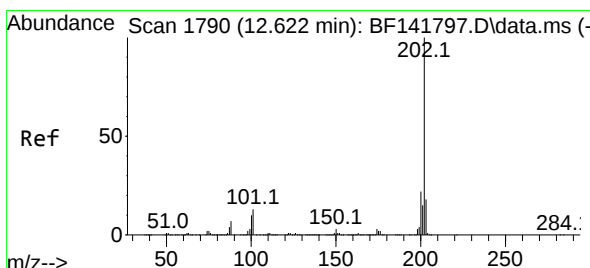
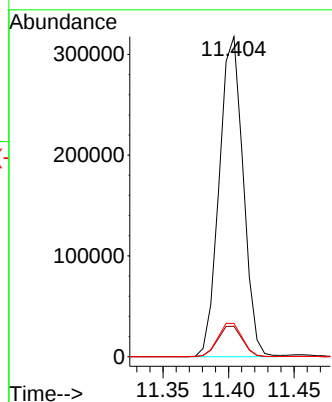
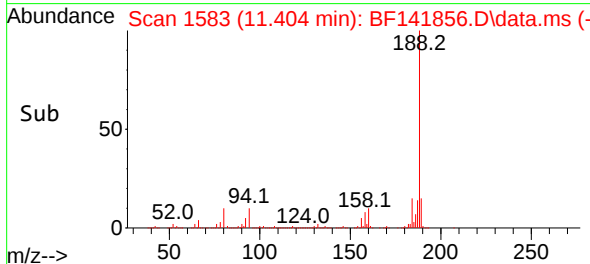
Instrument :
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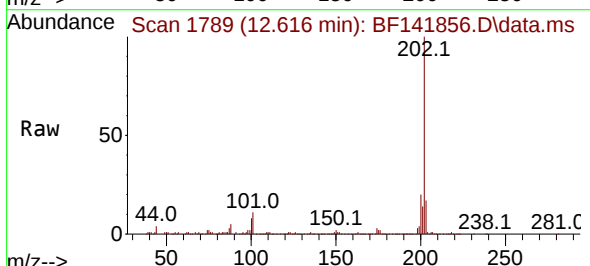
Tgt Ion:188 Resp: 403370
Ion Ratio Lower Upper
188 100
94 9.5 8.9 13.3
80 10.4 9.7 14.5

Manual Integrations
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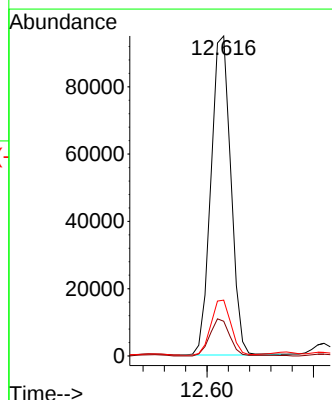
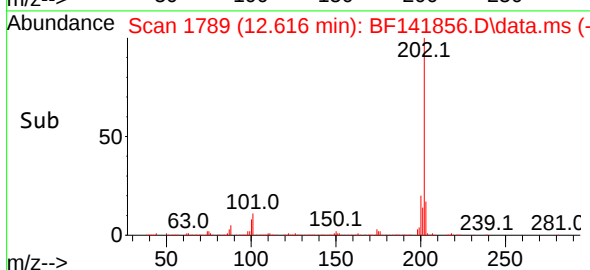
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025

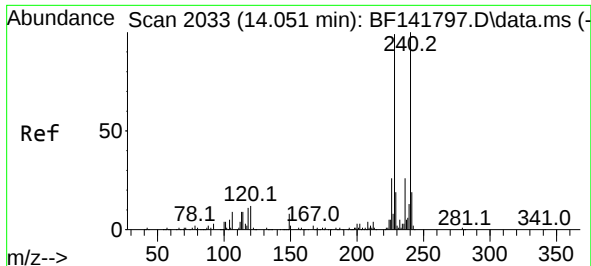


#75
Fluoranthene
Concen: 5.545 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF141856.D
Acq: 05 Mar 2025 21:20



Tgt Ion:202 Resp: 122594
Ion Ratio Lower Upper
202 100
101 10.8 0.0 32.8
203 17.5 0.0 38.0





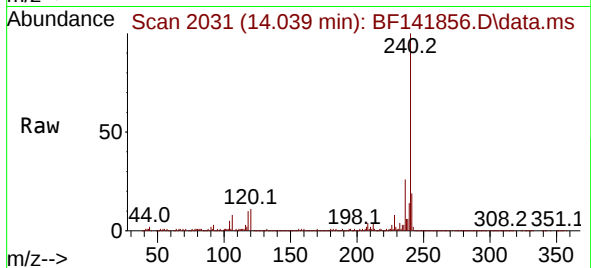
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF141856.D
Acq: 05 Mar 2025 21:20

Instrument :

BNA_F

ClientSampleId :

OR-03-030425

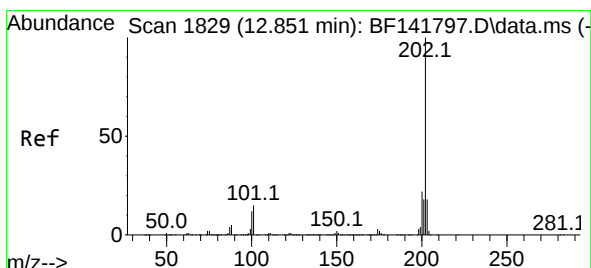
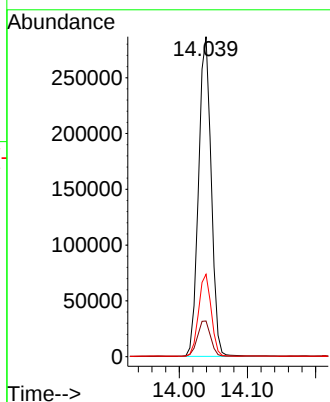
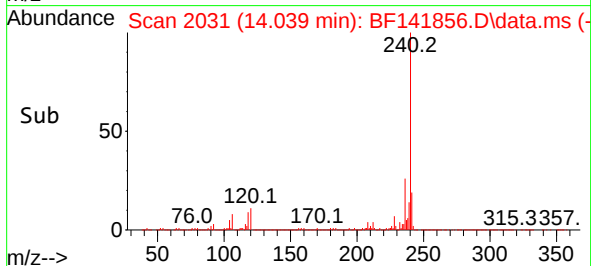


Tgt Ion:240 Resp: 368589
Ion Ratio Lower Upper
240 100
120 11.1 9.7 14.5
236 25.7 21.0 31.4

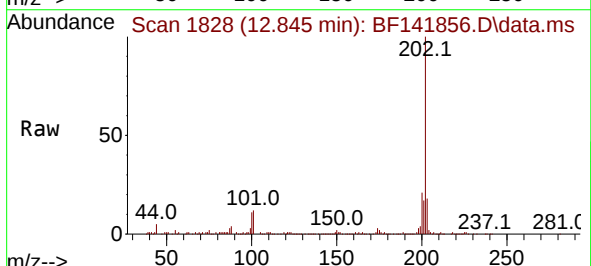
Manual Integrations

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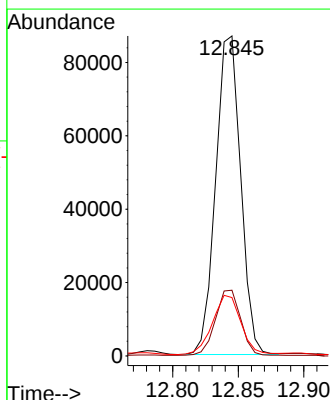
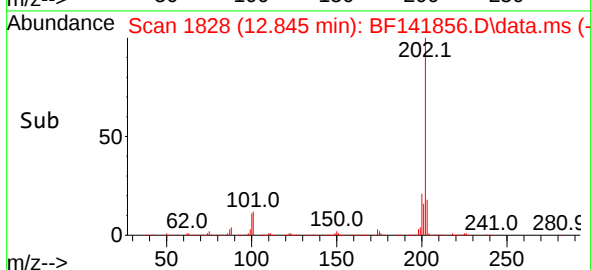
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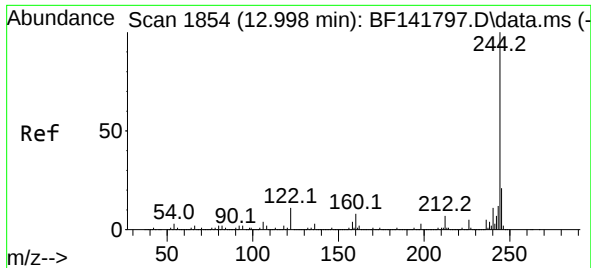


#78
Pyrene
Concen: 3.601 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF141856.D
Acq: 05 Mar 2025 21:20



Tgt Ion:202 Resp: 114947
Ion Ratio Lower Upper
202 100
200 20.6 17.4 26.0
203 18.3 14.6 22.0





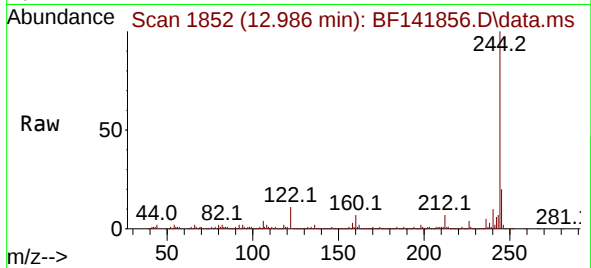
#79
 Terphenyl-d14
 Concen: 10.431 ng
 RT: 12.986 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF141856.D
 Acq: 05 Mar 2025 21:20

Instrument :

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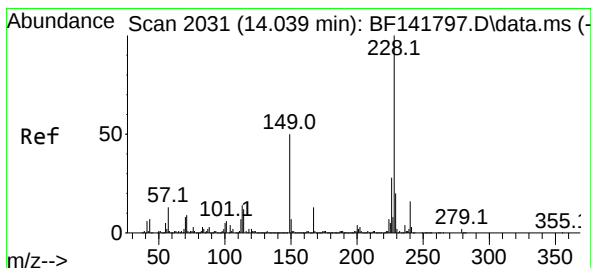
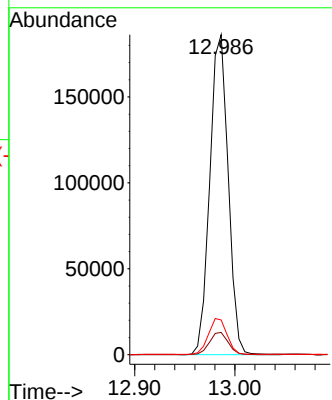
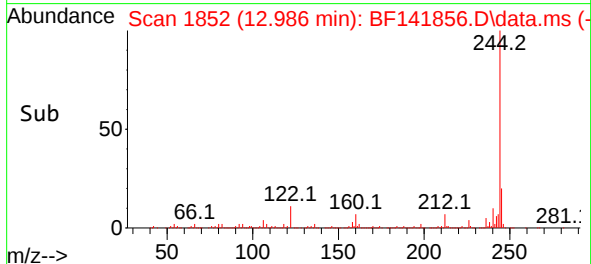


Tgt Ion:244 Resp: 237630
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 10.9 9.0 13.6

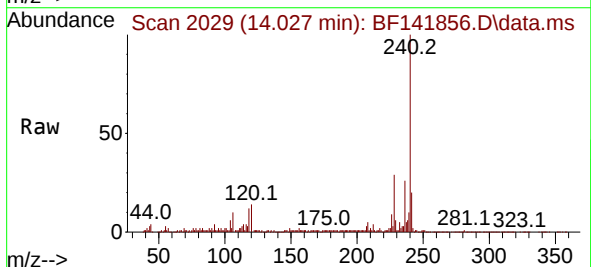
Manual Integrations

APPROVED

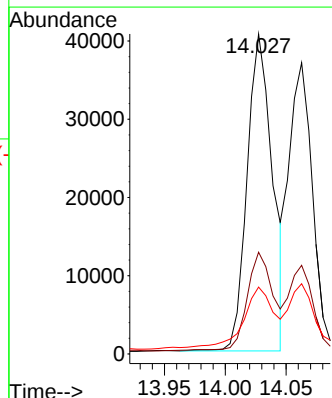
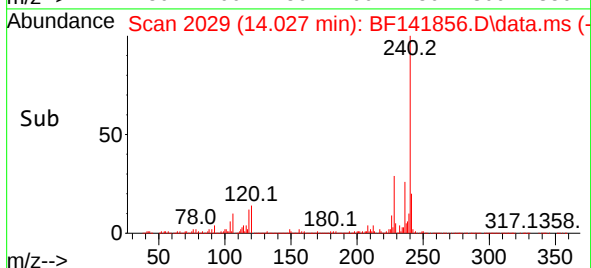
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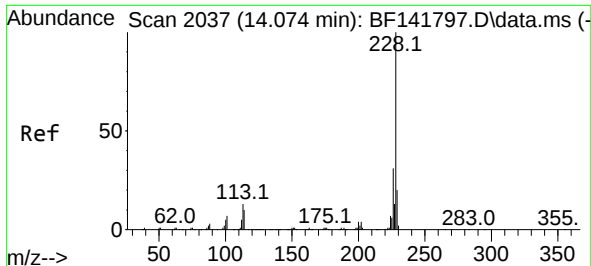


#81
 Benzo(a)anthracene
 Concen: 2.416 ng
 RT: 14.027 min Scan# 2029
 Delta R.T. -0.012 min
 Lab File: BF141856.D
 Acq: 05 Mar 2025 21:20



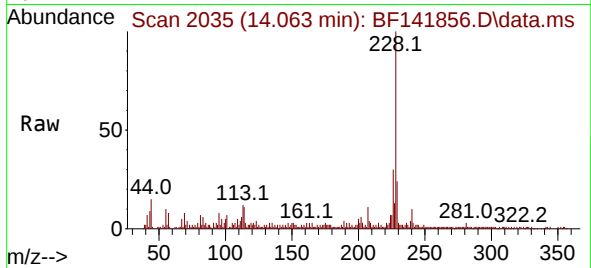
Tgt Ion:228 Resp: 58811
 Ion Ratio Lower Upper
 228 100
 226 31.8 22.1 33.1
 229 20.9 16.1 24.1





#83
Chrysene
Concen: 2.181 ng
RT: 14.063 min Scan# 2037
Delta R.T. -0.012 min
Lab File: BF141856.D
Acq: 05 Mar 2025 21:20

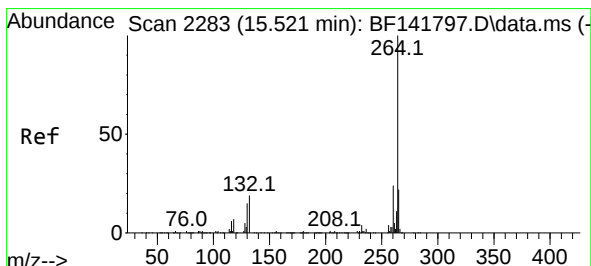
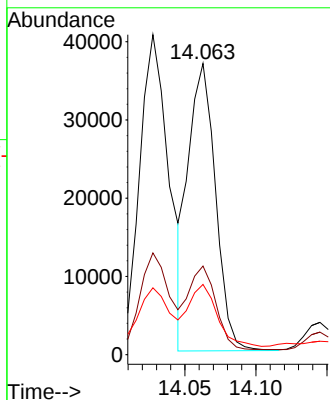
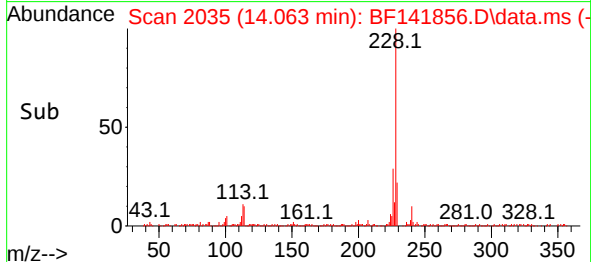
Instrument :
BNA_F
ClientSampleId :
OR-03-030425



Tgt Ion:228 Resp: 4895
Ion Ratio Lower Upper
228 100
226 30.4 24.6 37.0
229 24.1 16.1 24.1

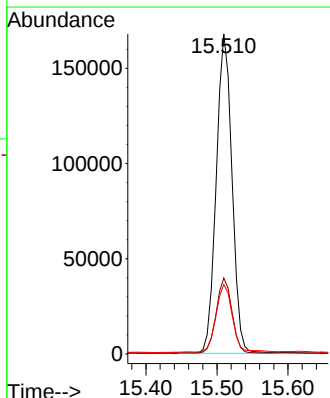
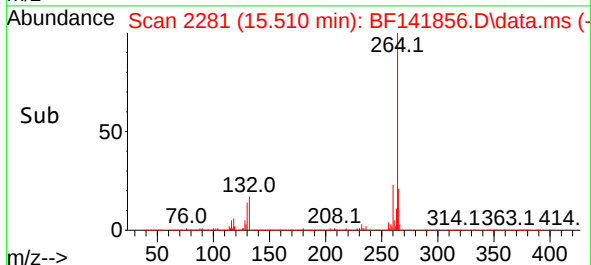
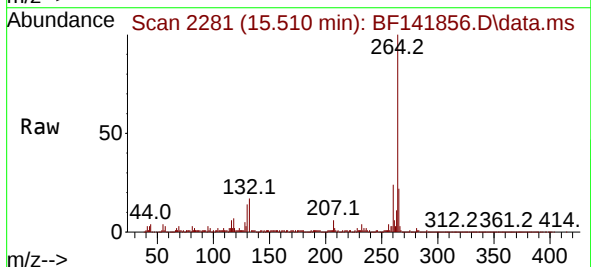
Manual Integrations
APPROVED

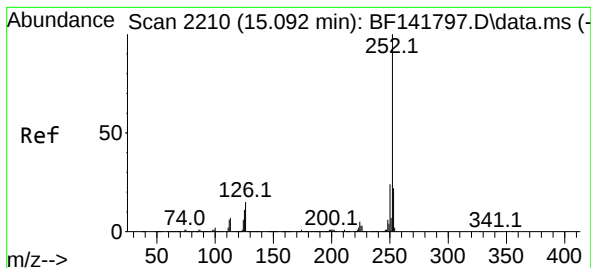
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. -0.012 min
Lab File: BF141856.D
Acq: 05 Mar 2025 21:20

Tgt Ion:264 Resp: 257354
Ion Ratio Lower Upper
264 100
260 23.7 18.9 28.3
265 21.7 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 2.758 ng m

RT: 15.080 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141856.D

Acq: 05 Mar 2025 21:20

Instrument :

BNA_F

ClientSampleId :

OR-03-030425

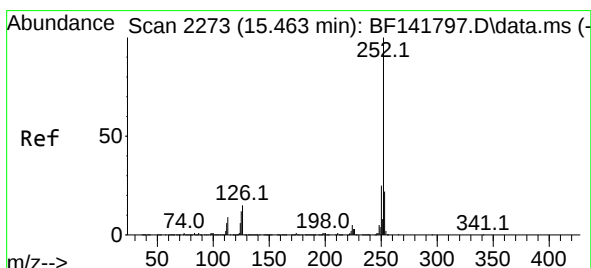
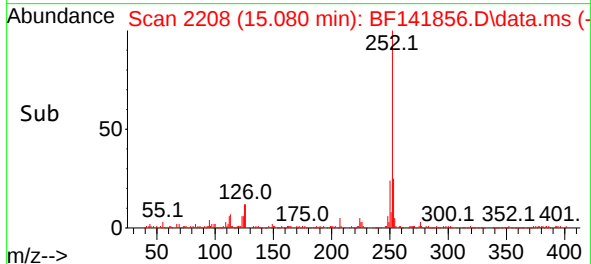
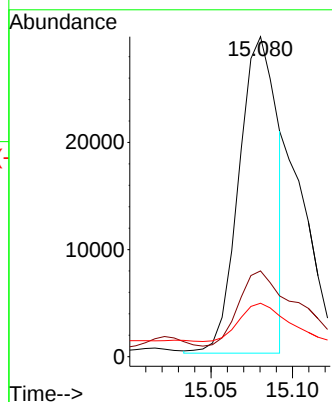
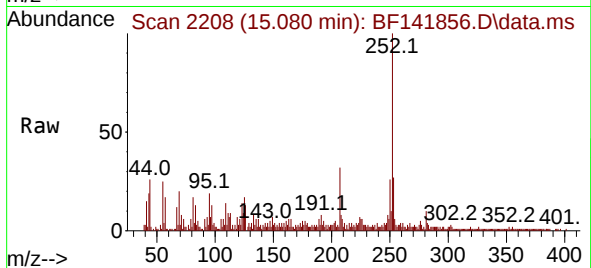
Tgt Ion:252 Resp: 4835
 Ion Ratio Lower Upper
 252 100
 253 26.8 17.7 26.5
 125 16.7 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/06/2025

Supervised By :Jagrut Upadhyay 03/06/2025



#90

Benzo(a)pyrene

Concen: 2.363 ng

RT: 15.445 min Scan# 2270

Delta R.T. -0.018 min

Lab File: BF141856.D

Acq: 05 Mar 2025 21:20

Tgt Ion:252 Resp: 33215
 Ion Ratio Lower Upper
 252 100
 253 25.6 17.5 26.3
 125 17.5 9.4 14.2

