

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
 Data File : BF142132.D
 Acq On : 27 Mar 2025 18:45
 Operator : RC/JU
 Sample : Q1648-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/28/2025
 Supervised By :Jagrut Upadhyay 04/01/2025

Quant Time: Mar 28 01:55:45 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	6.869	152	166226	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	686736	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	377675	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	580382	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	337227	20.000	ng	0.00
86) Perylene-d12	15.510	264	360392	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	547953	55.016	ng	-0.01
7) Phenol-d6	6.493	99	682935	53.855	ng	-0.01
23) Nitrobenzene-d5	7.428	82	455255	37.307	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	161799	33.769	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	923020	37.168	ng	-0.01
79) Terphenyl-d14	12.974	244	875003	38.361	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	94311	3.008	ng	98
75) Fluoranthene	12.604	202	165741	4.984	ng	99
78) Pyrene	12.833	202	160614	5.506	ng	98
81) Benzo(a)anthracene	14.021	228	74795	3.380	ng	96
83) Chrysene	14.057	228	64360	3.209	ng	97
88) Benzo(b)fluoranthene	15.074	252	88060m	3.565	ng	
90) Benzo(a)pyrene	15.439	252	63338	3.277	ng	98

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

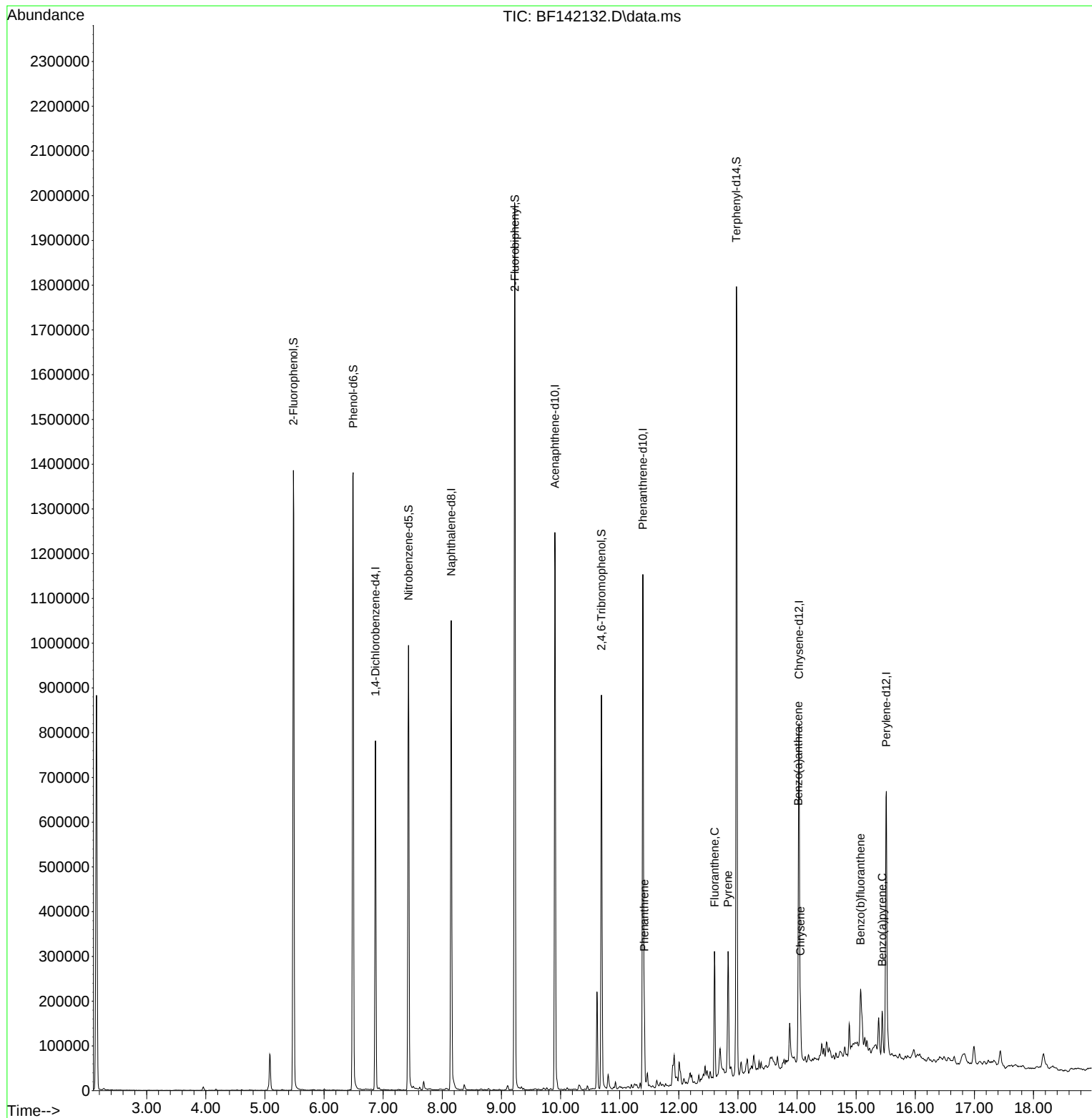
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
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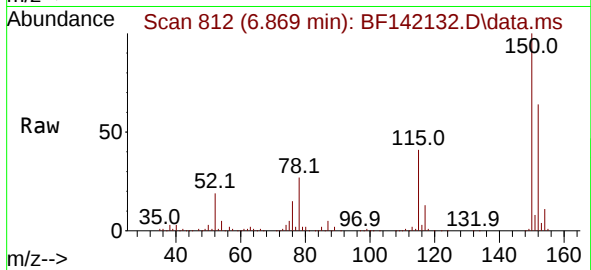
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142132.D
Acq: 27 Mar 2025 18:45

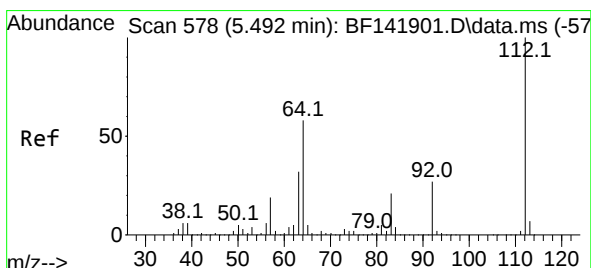
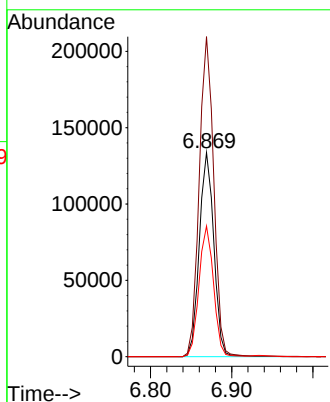
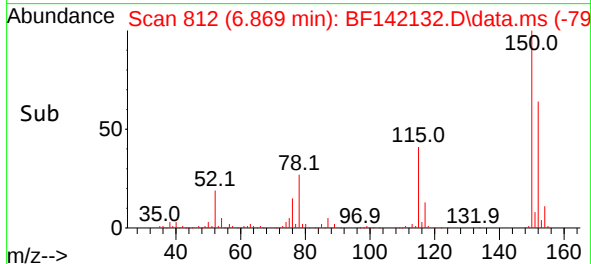
Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:152 Resp: 166220
Ion Ratio Lower Upper
152 100
150 156.7 127.4 191.2
115 64.0 51.9 77.9

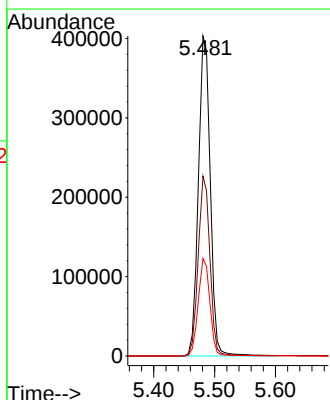
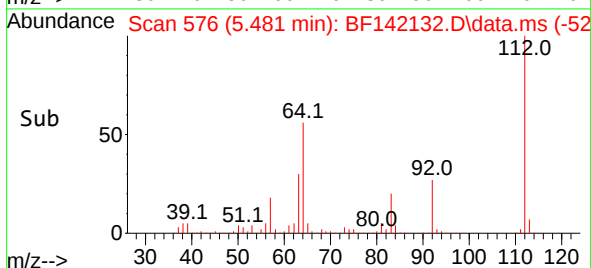
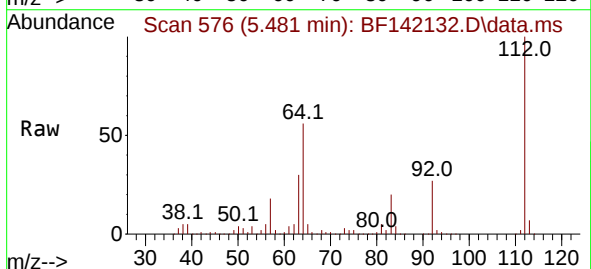
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#5
2-Fluorophenol
Concen: 55.016 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF142132.D
Acq: 27 Mar 2025 18:45

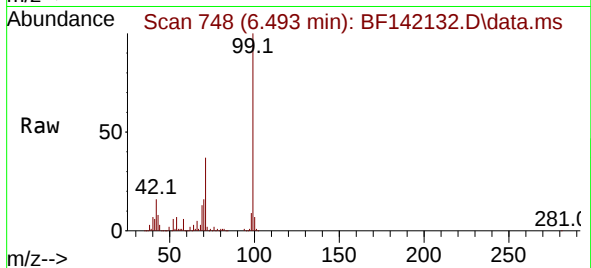
Tgt Ion:112 Resp: 547953
Ion Ratio Lower Upper
112 100
64 56.2 46.5 69.7
63 30.4 25.4 38.2





#7
Phenol-d6
Concen: 53.855 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142132.D
Acq: 27 Mar 2025 18:45

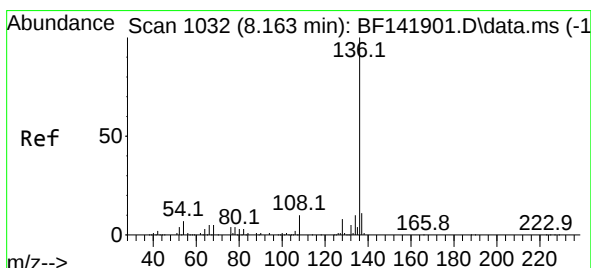
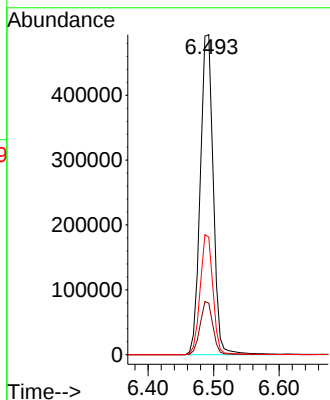
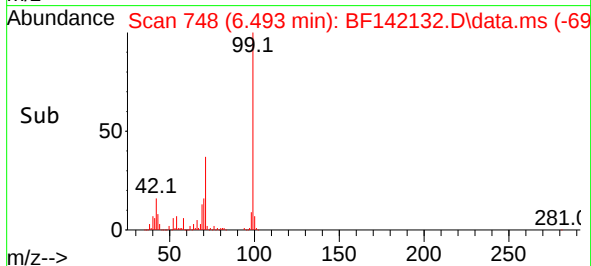
Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion: 99 Resp: 682935
Ion Ratio Lower Upper
99 100
42 16.1 14.6 21.8
71 36.8 30.8 46.2

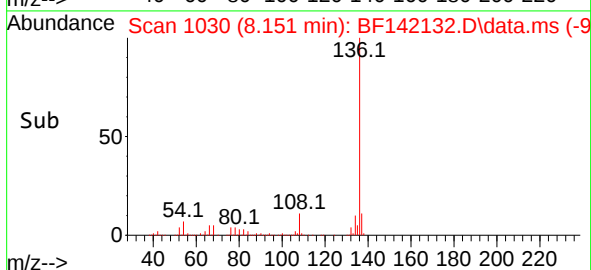
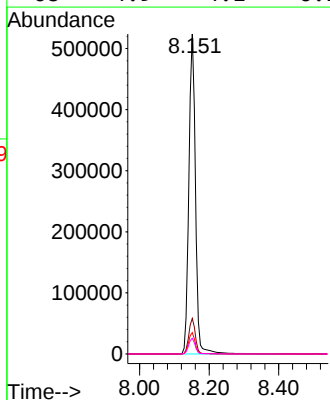
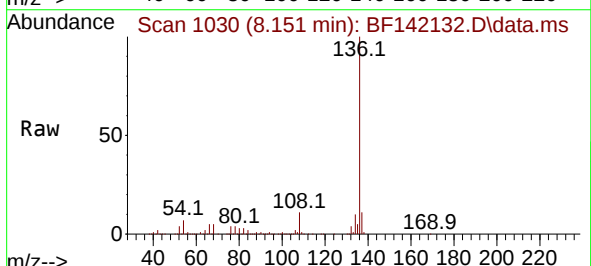
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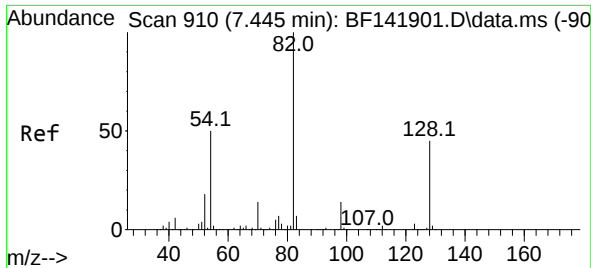
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142132.D
Acq: 27 Mar 2025 18:45

Tgt Ion:136 Resp: 686736
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





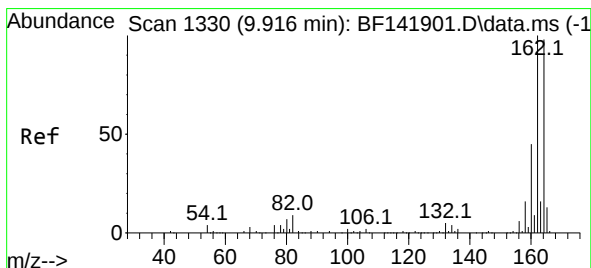
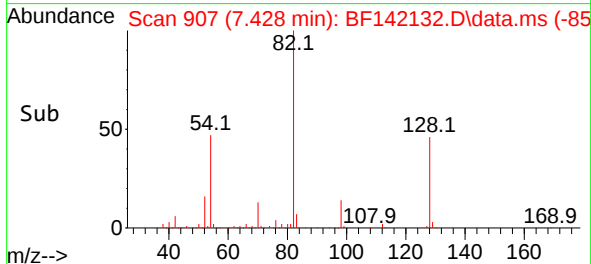
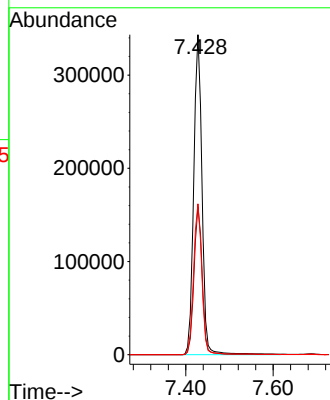
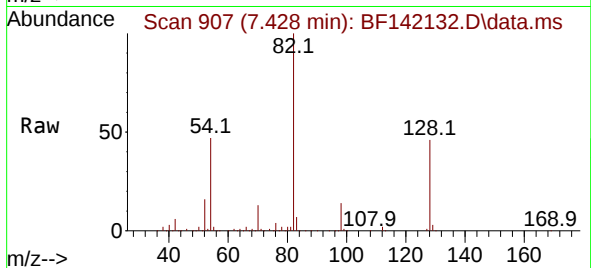
#23
Nitrobenzene-d5
Concen: 37.307 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142132.D
Acq: 27 Mar 2025 18:45

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion: 82 Resp: 45525
Ion Ratio Lower Upper
82 100
128 46.3 36.0 54.0
54 47.2 39.6 59.4

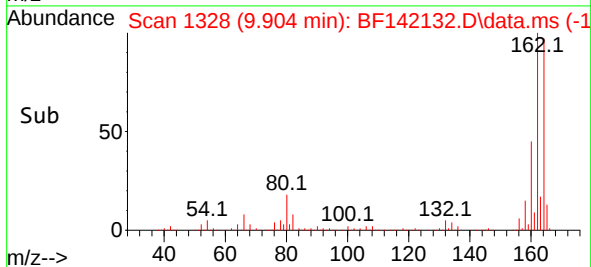
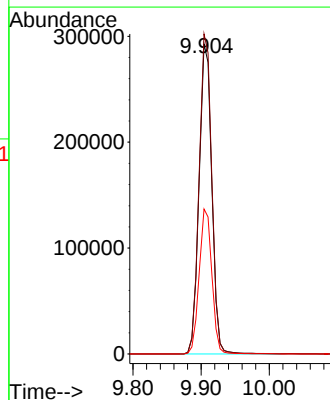
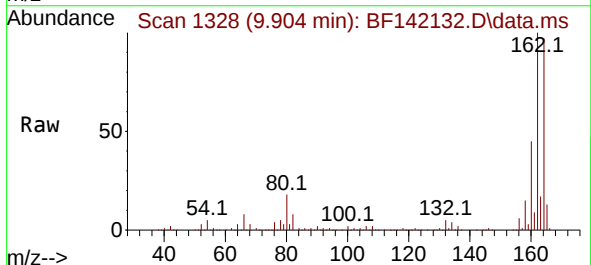
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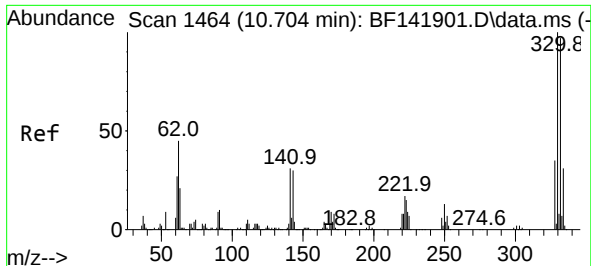
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142132.D
Acq: 27 Mar 2025 18:45

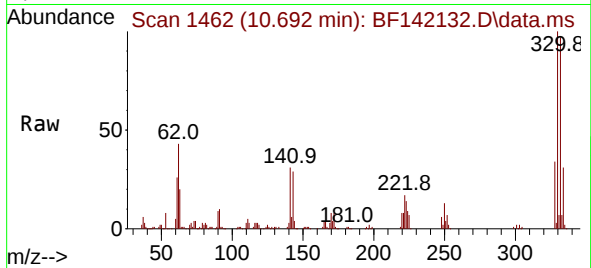
Tgt Ion:164 Resp: 377675
Ion Ratio Lower Upper
164 100
162 103.2 81.8 122.6
160 46.8 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 33.769 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF142132.D
Acq: 27 Mar 2025 18:45

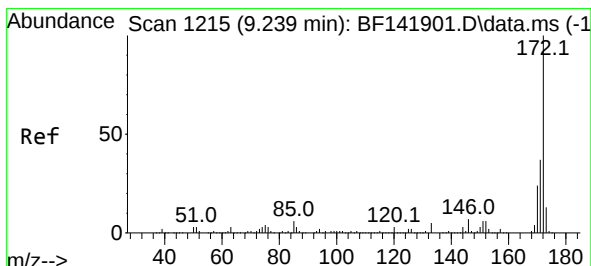
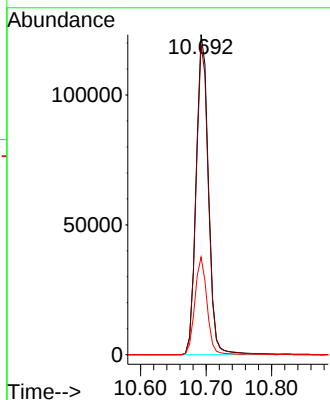
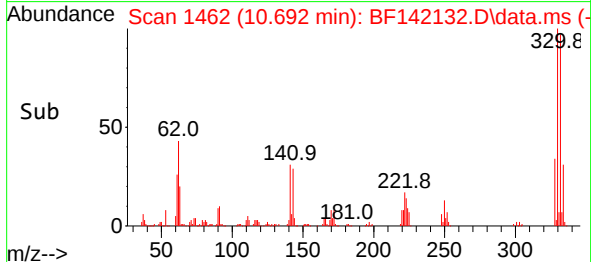
Instrument :
BNA_F
ClientSampleId :
TP-3



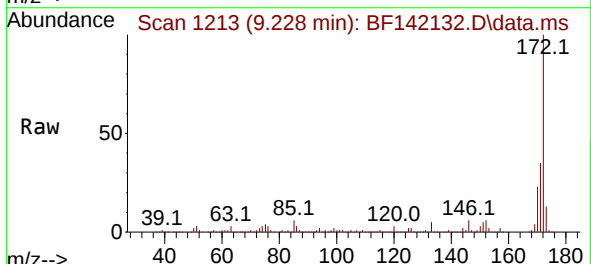
Tgt Ion: 330 Resp: 161799
Ion Ratio Lower Upper
330 100
332 96.9 77.6 116.4
141 29.9 24.7 37.1

Manual Integrations
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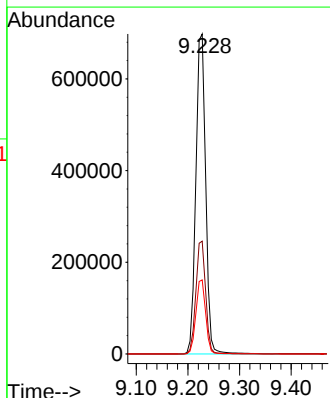
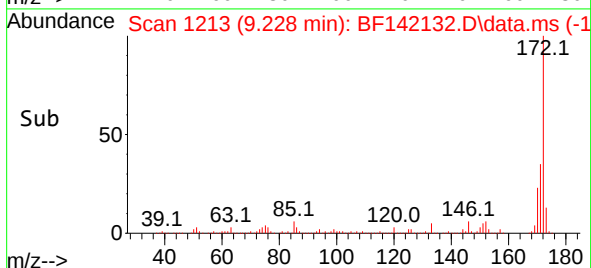
Reviewed By :Anahy Claudio 03/28/2025
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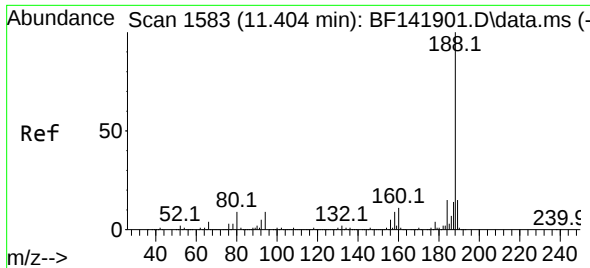


#45
2-Fluorobiphenyl
Concen: 37.168 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF142132.D
Acq: 27 Mar 2025 18:45



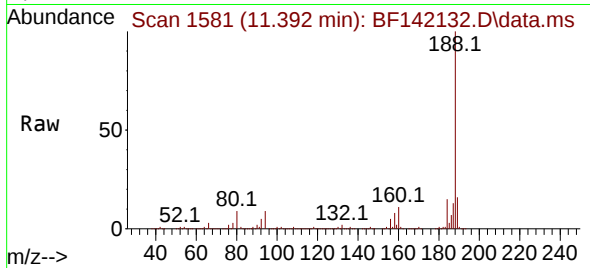
Tgt Ion: 172 Resp: 923020
Ion Ratio Lower Upper
172 100
171 35.2 29.3 43.9
170 23.1 19.4 29.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BF142132.D
Acq: 27 Mar 2025 18:45

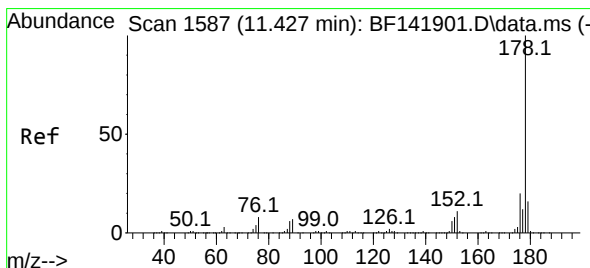
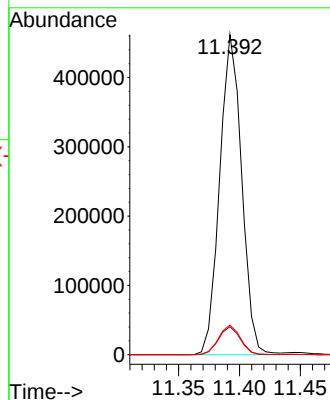
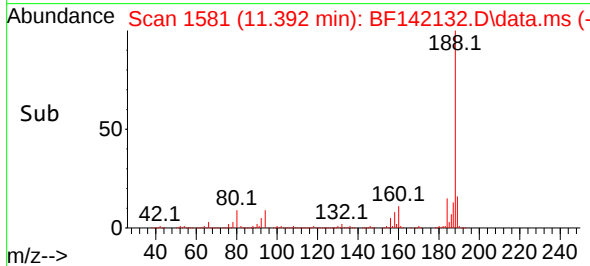
Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:188 Resp: 58038
Ion Ratio Lower Upper
188 100
94 8.8 6.8 10.2
80 9.3 7.6 11.4

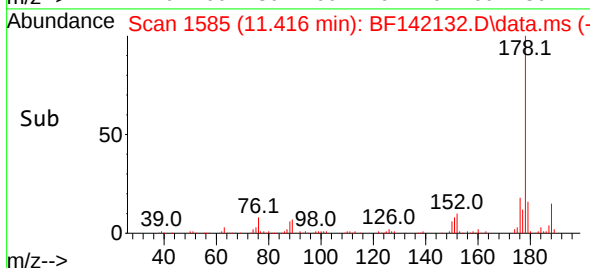
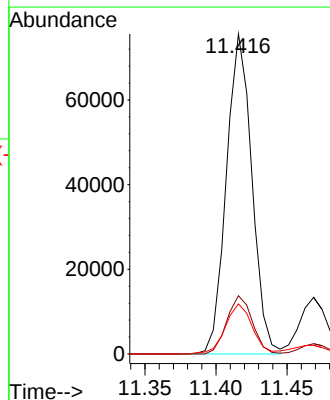
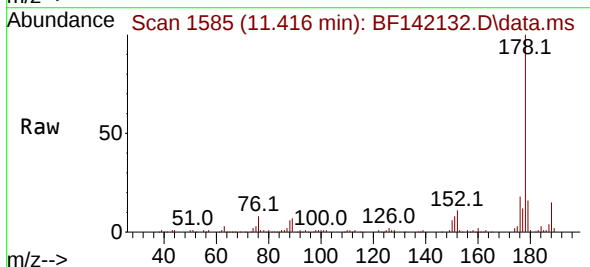
Manual Integrations
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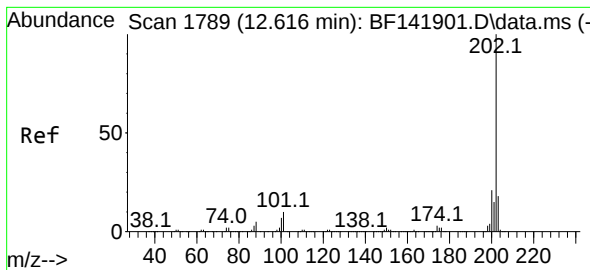
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#71
Phenanthrene
Concen: 3.008 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF142132.D
Acq: 27 Mar 2025 18:45

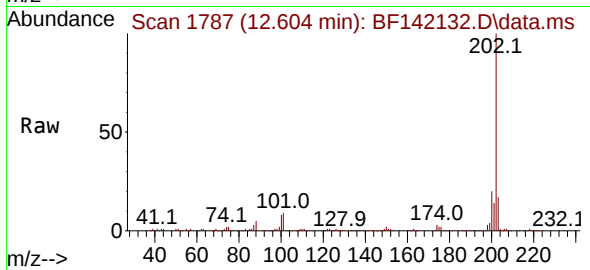
Tgt Ion:178 Resp: 94311
Ion Ratio Lower Upper
178 100
176 18.2 15.8 23.8
179 15.7 12.6 19.0





#75
Fluoranthene
Concen: 4.984 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142132.D
Acq: 27 Mar 2025 18:45

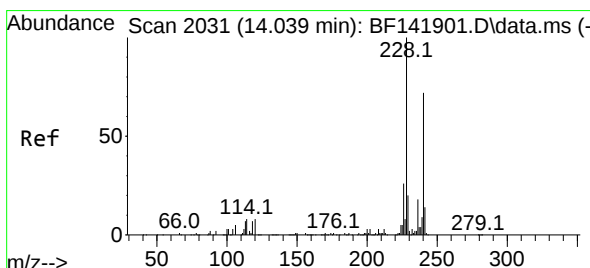
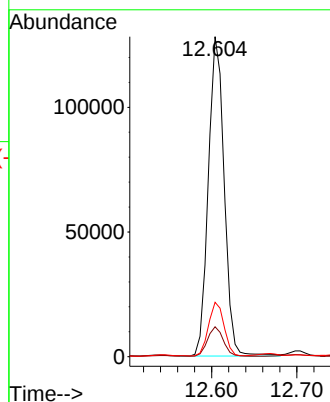
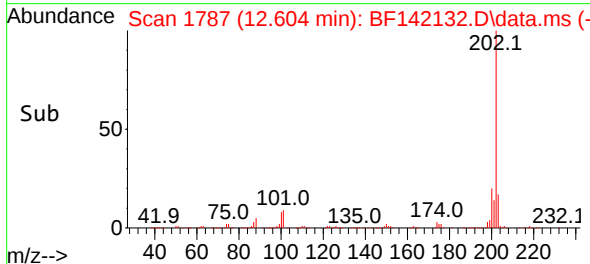
Instrument :
BNA_F
ClientSampleId :
TP-3



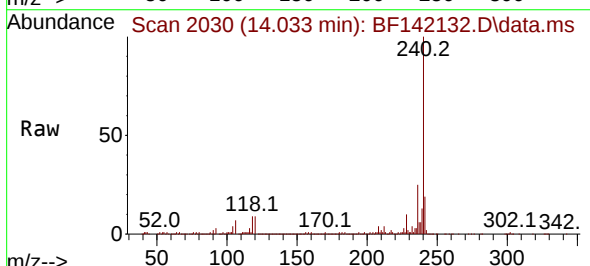
Tgt Ion:202 Resp: 16574
Ion Ratio Lower Upper
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101 9.4 0.0 29.7
203 17.0 0.0 37.8

Manual Integrations
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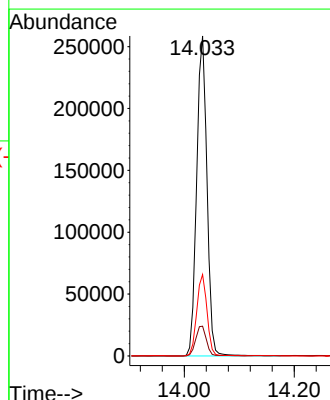
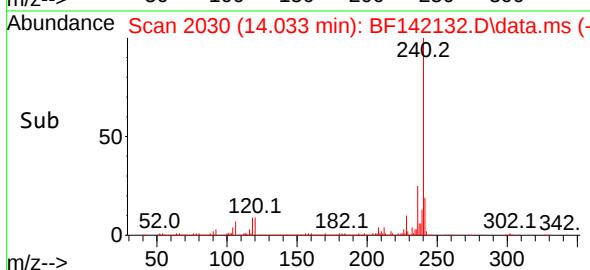
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025

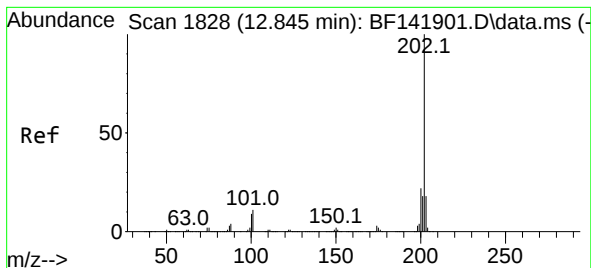


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142132.D
Acq: 27 Mar 2025 18:45



Tgt Ion:240 Resp: 337227
Ion Ratio Lower Upper
240 100
120 9.3 8.4 12.6
236 25.4 20.5 30.7





#78

Pyrene

Concen: 5.506 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.012 min

Lab File: BF142132.D

Acq: 27 Mar 2025 18:45

Instrument :

BNA_F

ClientSampleId :

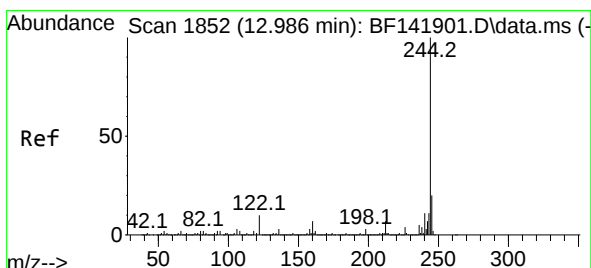
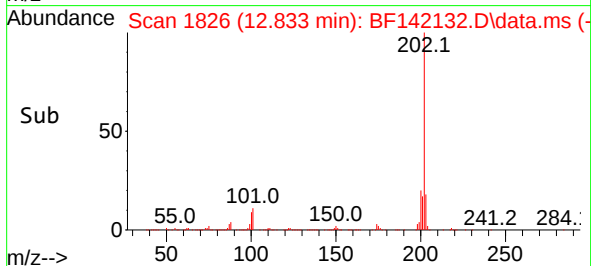
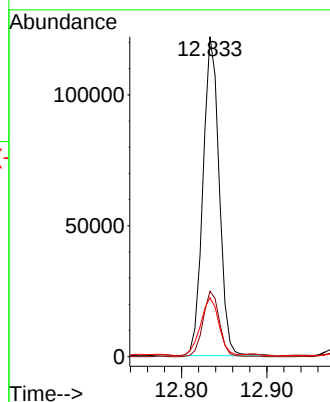
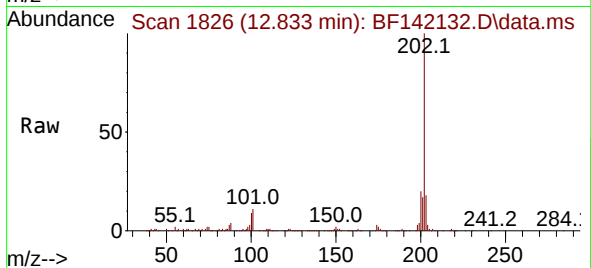
TP-3

Tgt Ion:202 Resp: 160614
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.3 25.9
 203 18.5 14.4 21.6

Manual Integrations

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Reviewed By :Anahy Claudio 03/28/2025
 Supervised By :Jagrut Upadhyay 04/01/2025



#79

Terphenyl-d14

Concen: 38.361 ng

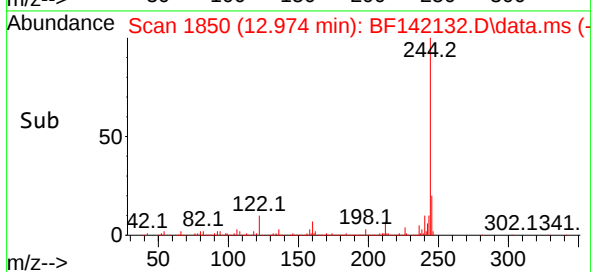
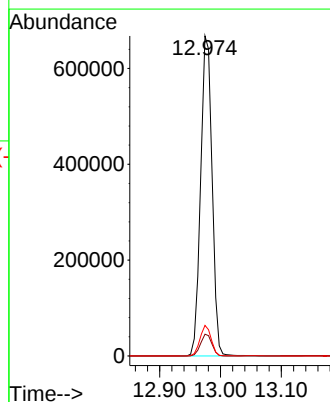
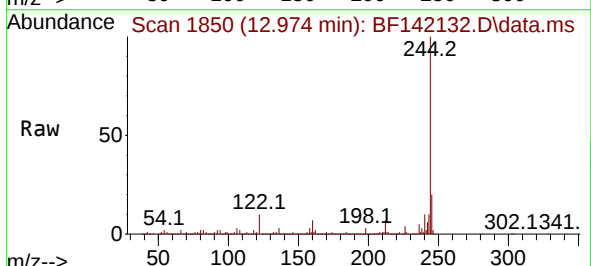
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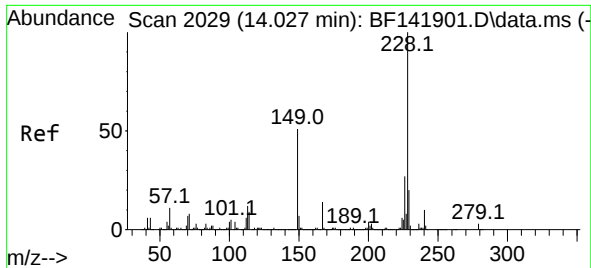
Delta R.T. -0.012 min

Lab File: BF142132.D

Acq: 27 Mar 2025 18:45

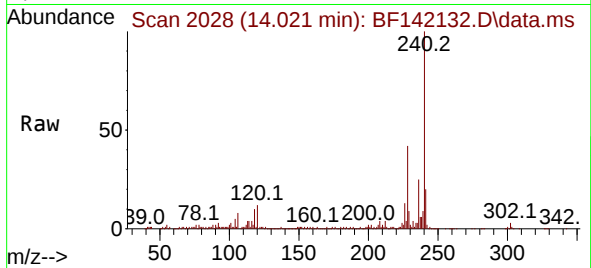
Tgt Ion:244 Resp: 875003
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 9.6 7.7 11.5





#81
Benzo(a)anthracene
Concen: 3.380 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF142132.D
Acq: 27 Mar 2025 18:45

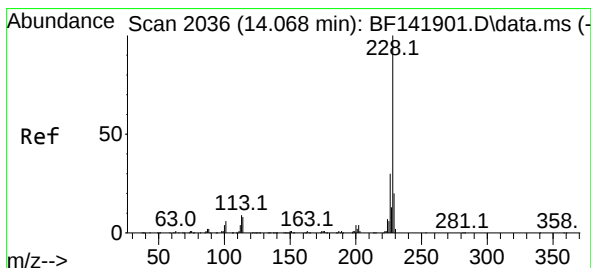
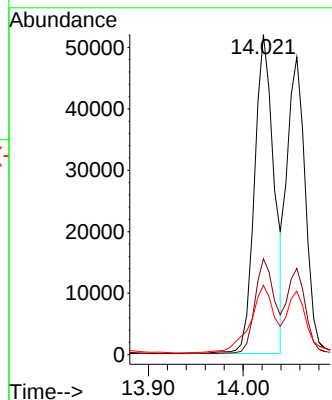
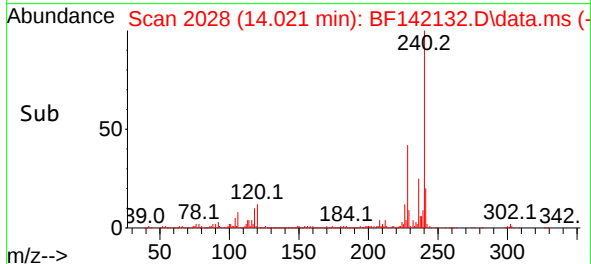
Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:228 Resp: 7479
Ion Ratio Lower Upper
228 100
226 29.9 21.8 32.8
229 21.7 16.0 24.0

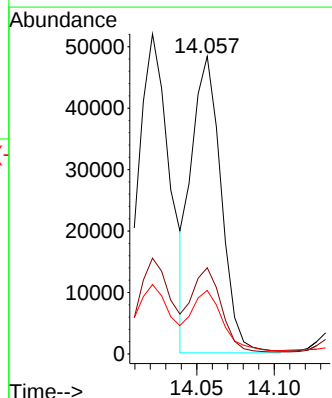
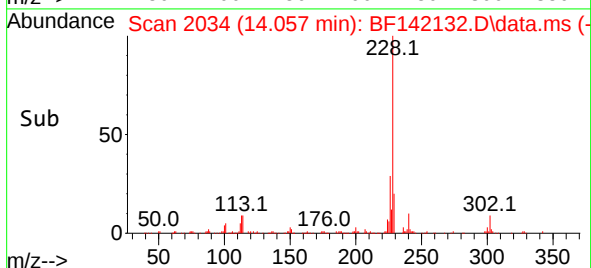
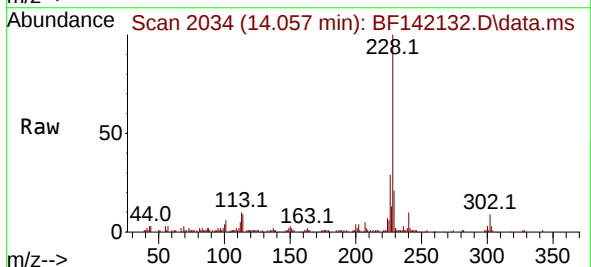
Manual Integrations
APPROVED

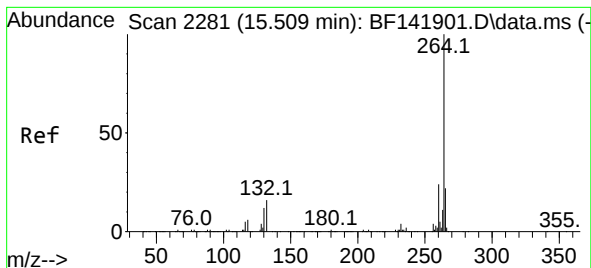
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#83
Chrysene
Concen: 3.209 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF142132.D
Acq: 27 Mar 2025 18:45

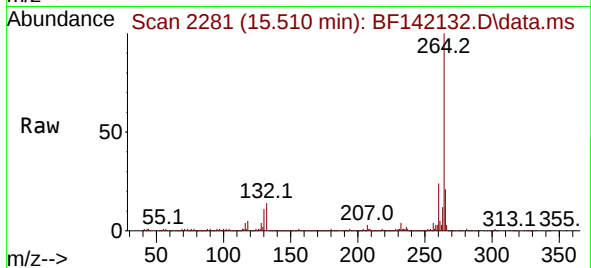
Tgt Ion:228 Resp: 64360
Ion Ratio Lower Upper
228 100
226 29.0 24.1 36.1
229 21.3 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142132.D
Acq: 27 Mar 2025 18:45

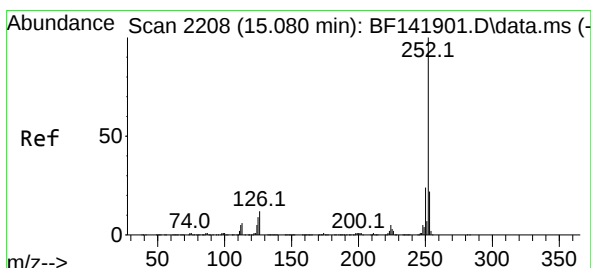
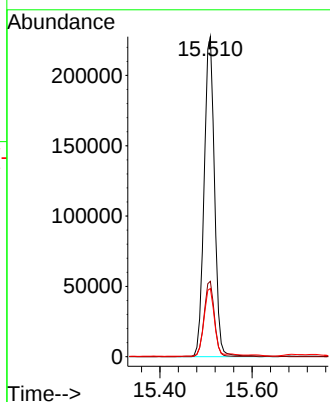
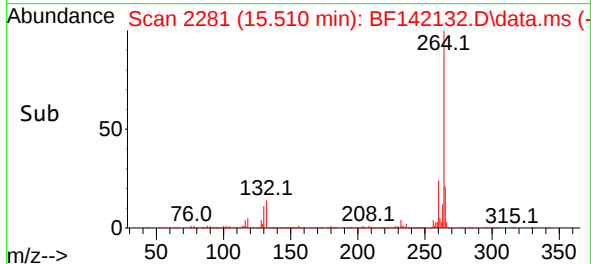
Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:264 Resp: 360392
Ion Ratio Lower Upper
264 100
260 23.6 19.1 28.7
265 21.3 17.5 26.3

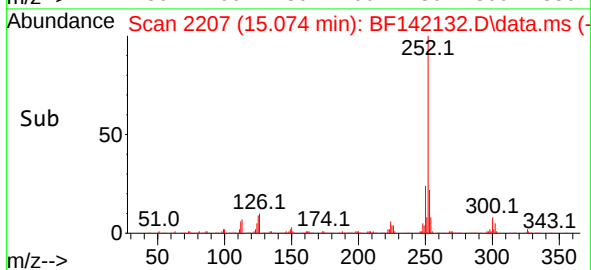
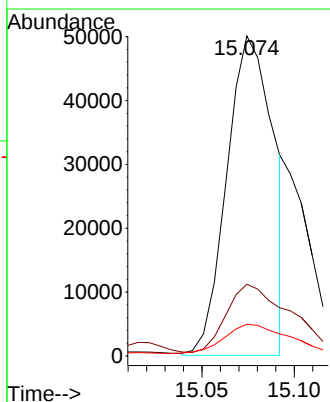
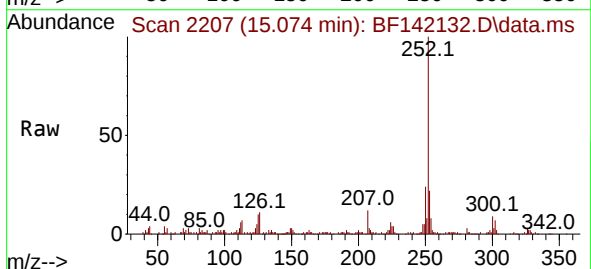
Manual Integrations
APPROVED

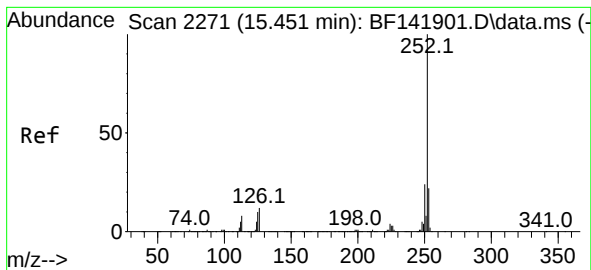
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#88
Benzo(b)fluoranthene
Concen: 3.565 ng m
RT: 15.074 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF142132.D
Acq: 27 Mar 2025 18:45

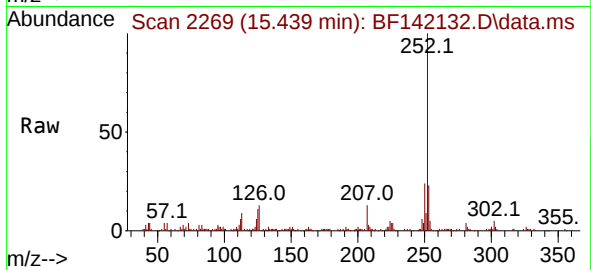
Tgt Ion:252 Resp: 88060
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 9.9 7.0 10.4





#90
Benzo(a)pyrene
Concen: 3.277 ng
RT: 15.439 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142132.D
Acq: 27 Mar 2025 18:45

Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:252 Resp: 63338
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 10.7 7.8 11.8

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025

