

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
 Data File : BF142160.D
 Acq On : 28 Mar 2025 15:07
 Operator : RC/JU
 Sample : Q1661-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 351

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/31/2025
 Supervised By :Jagrut Upadhyay 03/31/2025

Quant Time: Mar 28 15:36:31 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	147292	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	598576	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	338421	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	514713	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	319757	20.000	ng	0.00
86) Perylene-d12	15.510	264	321963	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	869371	98.508	ng	0.00
7) Phenol-d6	6.492	99	1083334	96.411	ng	-0.01
23) Nitrobenzene-d5	7.428	82	740194	69.590	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	266747	62.131	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1616541	72.645	ng	-0.01
79) Terphenyl-d14	12.980	244	1370371	63.362	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	330115	11.874	ng	99
75) Fluoranthene	12.610	202	487854	16.543	ng	99
78) Pyrene	12.839	202	456110	16.490	ng	99
81) Benzo(a)anthracene	14.021	228	190255	9.067	ng	97
83) Chrysene	14.057	228	203374	10.693	ng	98
87) Indeno(1,2,3-cd)pyrene	16.992	276	82716	3.972	ng	# 94
88) Benzo(b)fluoranthene	15.080	252	251737m	11.408	ng	
89) Benzo(k)fluoranthene	15.098	252	69985m	3.706	ng	
90) Benzo(a)pyrene	15.445	252	161214	9.337	ng	100
92) Benzo(g,h,i)perylene	17.445	276	82908	4.882	ng	97

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

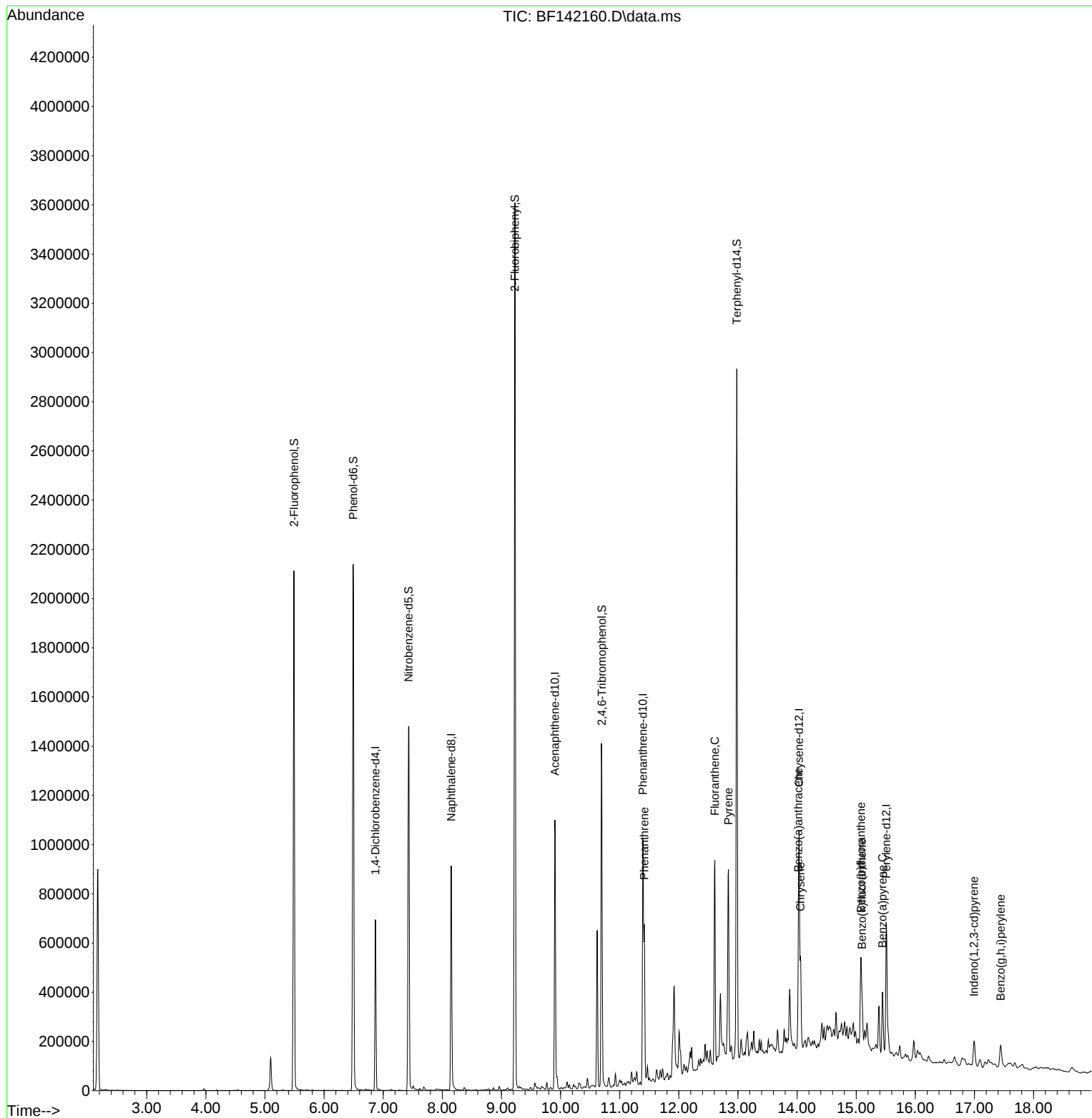
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
Data File : BF142160.D
Acq On : 28 Mar 2025 15:07
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Misc :
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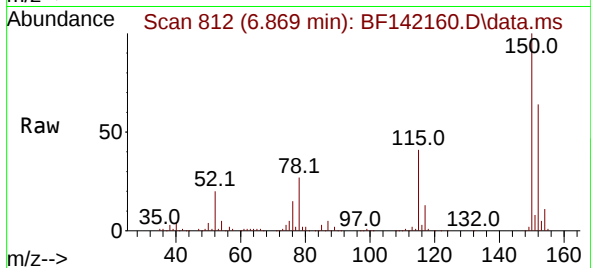
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142160.D
Acq: 28 Mar 2025 15:07

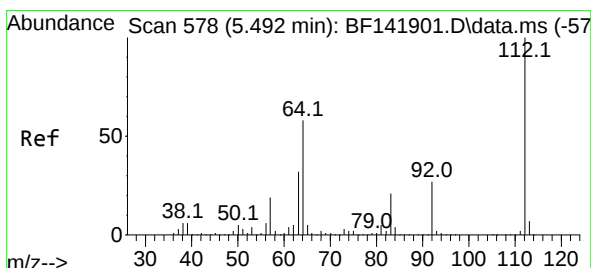
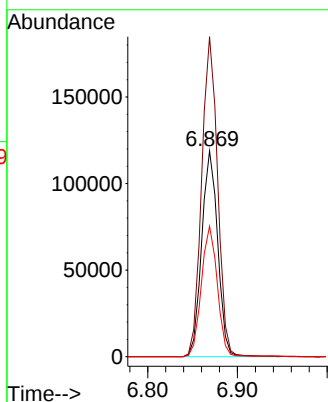
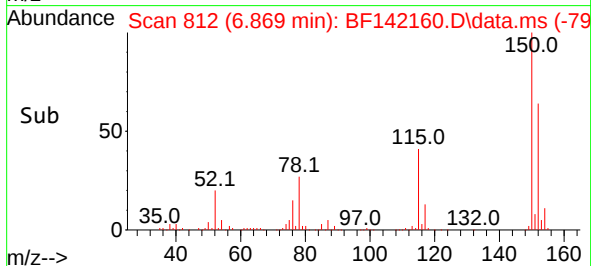
Instrument :
BNA_F
ClientSampleId :
351



Tgt Ion:152 Resp: 147292
Ion Ratio Lower Upper
152 100
150 155.5 127.4 191.2
115 63.4 51.9 77.9

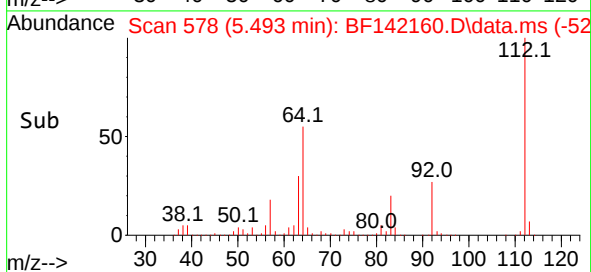
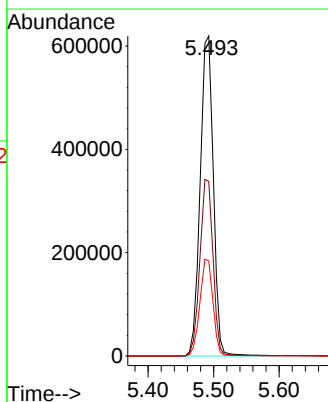
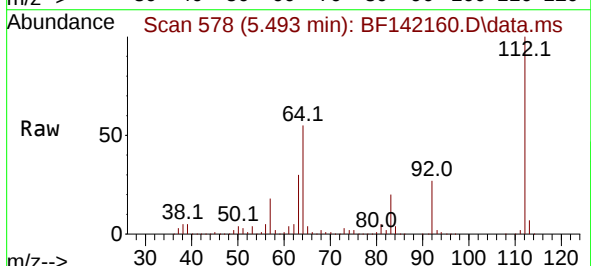
Manual Integrations
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#5
2-Fluorophenol
Concen: 98.508 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF142160.D
Acq: 28 Mar 2025 15:07

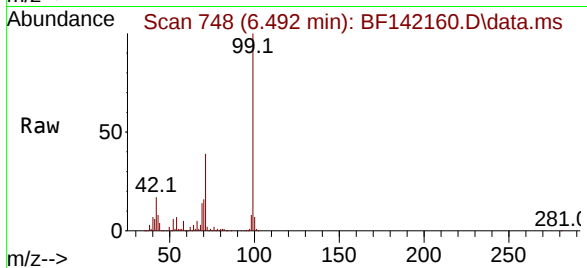
Tgt Ion:112 Resp: 869371
Ion Ratio Lower Upper
112 100
64 54.6 46.5 69.7
63 29.7 25.4 38.2





#7
Phenol-d6
Concen: 96.411 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142160.D
Acq: 28 Mar 2025 15:07

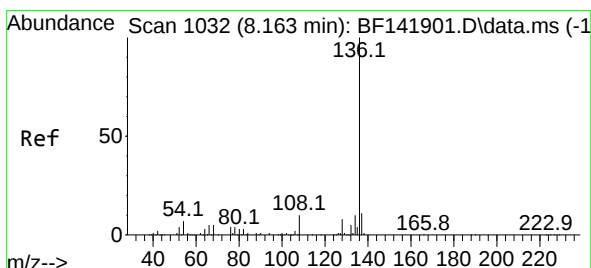
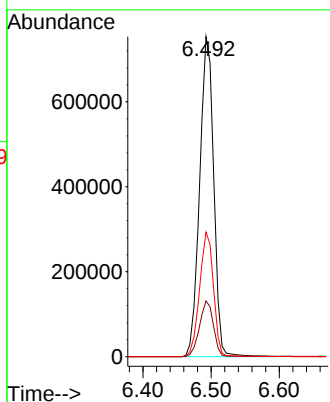
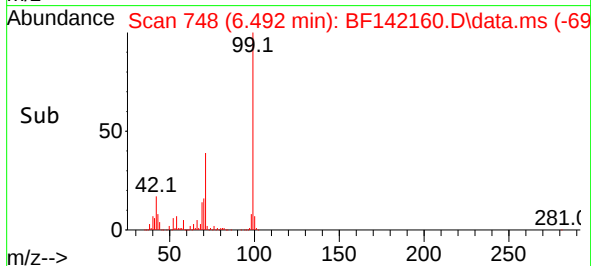
Instrument :
BNA_F
ClientSampleId :
351



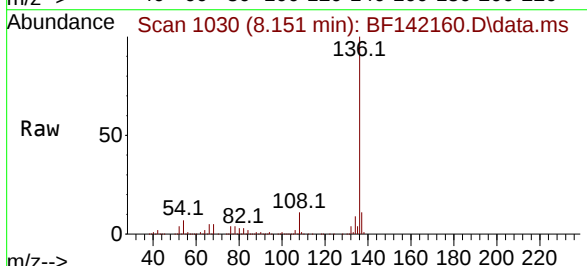
Tgt Ion: 99 Resp: 1083334
Ion Ratio Lower Upper
99 100
42 17.4 14.6 21.8
71 38.9 30.8 46.2

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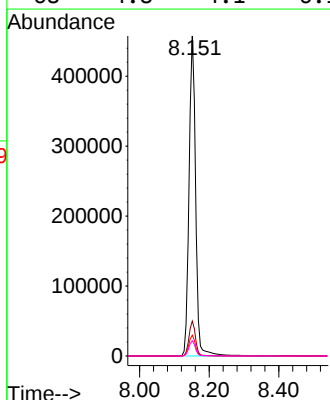
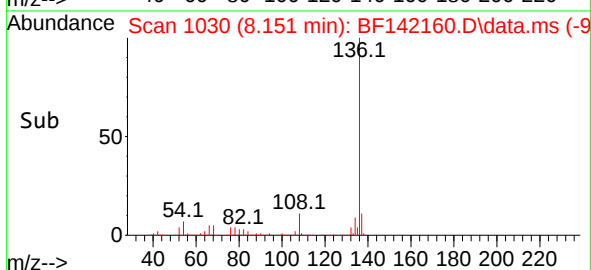
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025

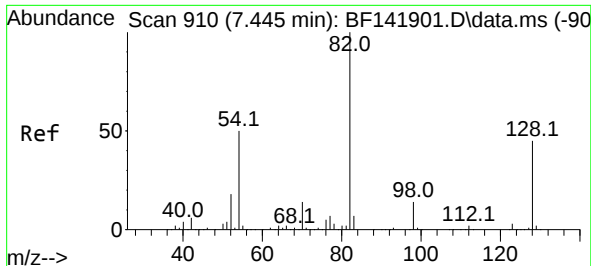


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142160.D
Acq: 28 Mar 2025 15:07



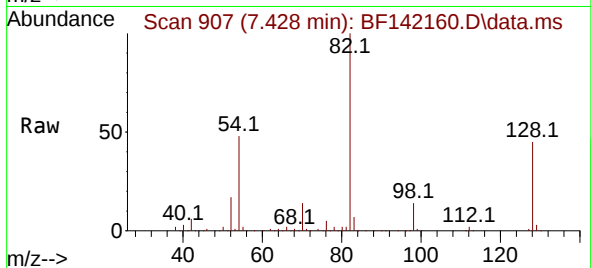
Tgt Ion:136 Resp: 598576
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.5 5.8 8.8
68 4.8 4.1 6.1





#23
Nitrobenzene-d5
Concen: 69.590 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.018 min
Lab File: BF142160.D
Acq: 28 Mar 2025 15:07

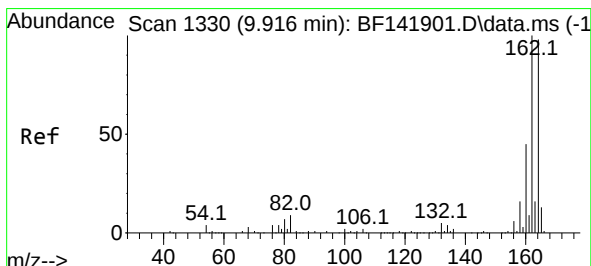
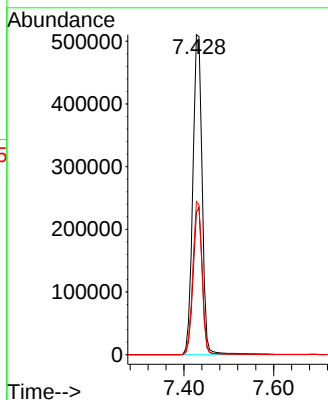
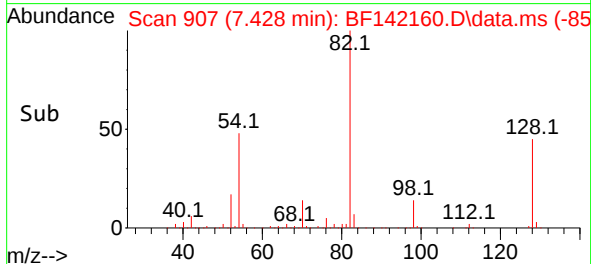
Instrument :
BNA_F
ClientSampleId :
351



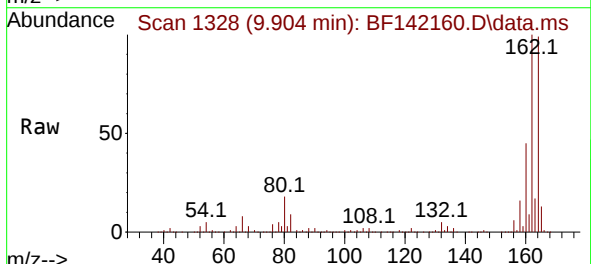
Tgt Ion: 82 Resp: 740194
Ion Ratio Lower Upper
82 100
128 44.5 36.0 54.0
54 47.9 39.6 59.4

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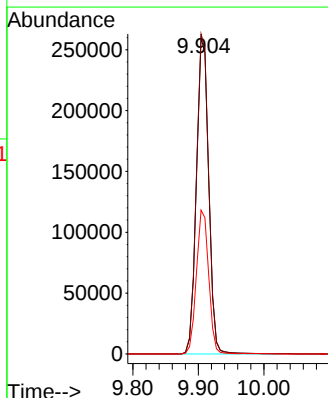
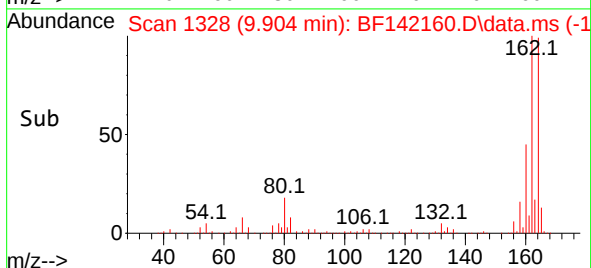
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142160.D
Acq: 28 Mar 2025 15:07



Tgt Ion:164 Resp: 338421
Ion Ratio Lower Upper
164 100
162 101.3 81.8 122.6
160 45.5 36.7 55.1





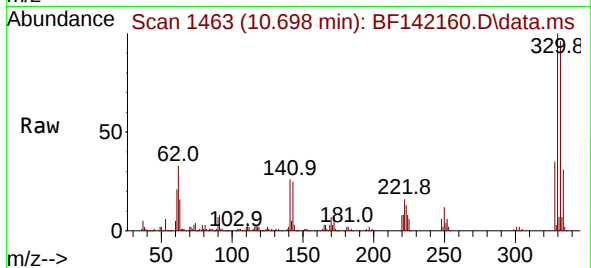
#42
 2,4,6-Tribromophenol
 Concen: 62.131 ng
 RT: 10.698 min Scan# 1463
 Delta R.T. -0.006 min
 Lab File: BF142160.D
 Acq: 28 Mar 2025 15:07

Instrument :

BNA_F

ClientSampleId :

351

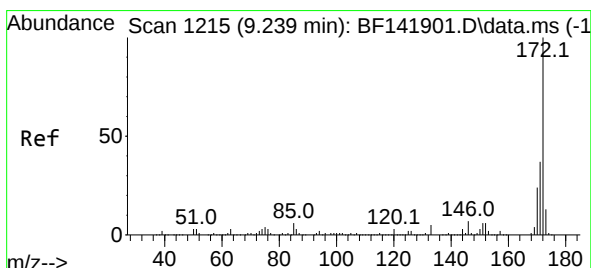
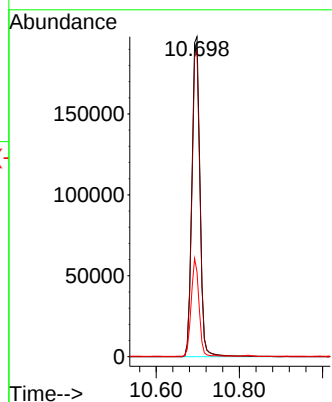
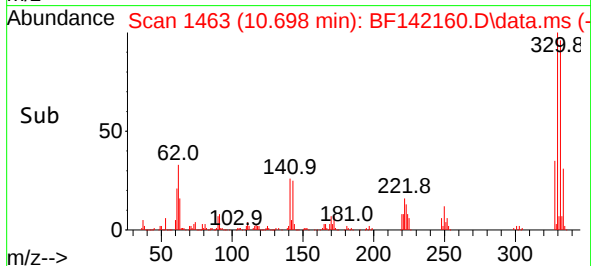


Tgt Ion:330 Resp: 26674
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.6 116.4
 141 29.4 24.7 37.1

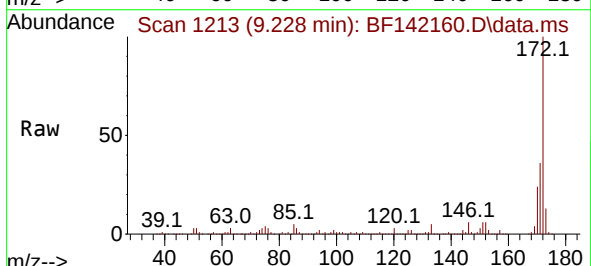
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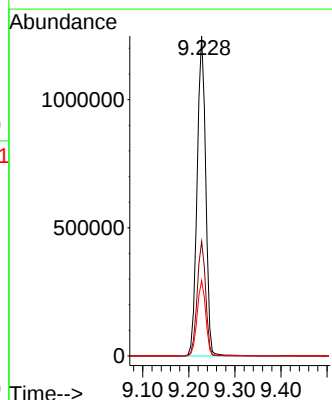
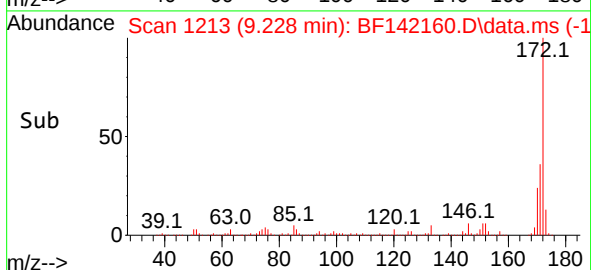
Reviewed By :Anahy Claudio 03/31/2025
 Supervised By :Jagrut Upadhyay 03/31/2025

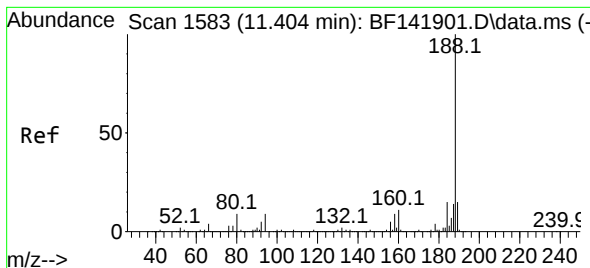


#45
 2-Fluorobiphenyl
 Concen: 72.645 ng
 RT: 9.228 min Scan# 1213
 Delta R.T. -0.012 min
 Lab File: BF142160.D
 Acq: 28 Mar 2025 15:07



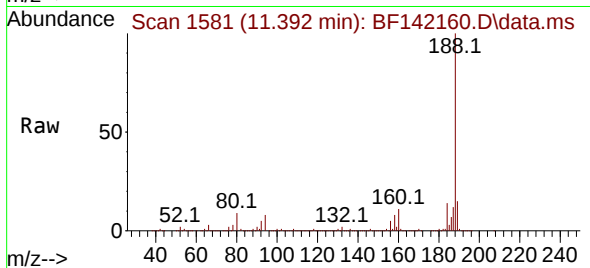
Tgt Ion:172 Resp: 1616541
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.3 43.9
 170 23.6 19.4 29.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF142160.D
Acq: 28 Mar 2025 15:07

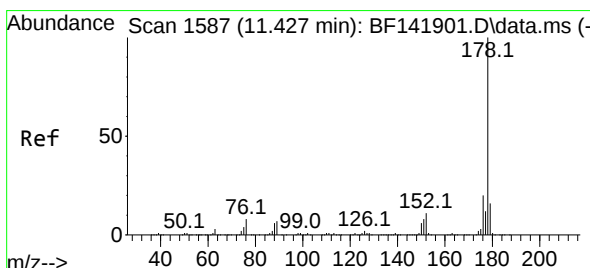
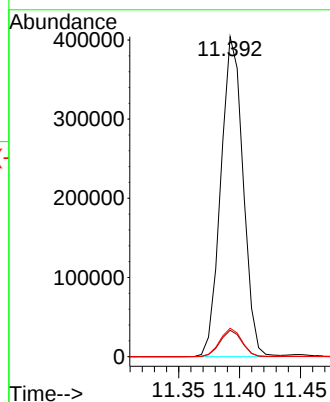
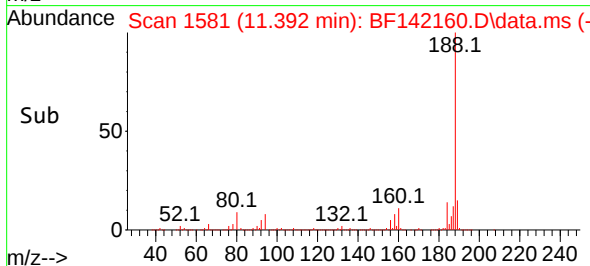
Instrument :
BNA_F
ClientSampleId :
351



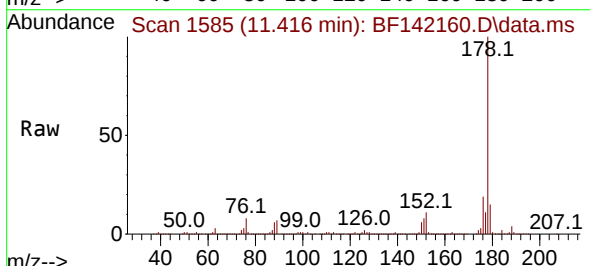
Tgt Ion:188 Resp: 514711
Ion Ratio Lower Upper
188 100
94 8.3 6.8 10.2
80 8.9 7.6 11.4

Manual Integrations
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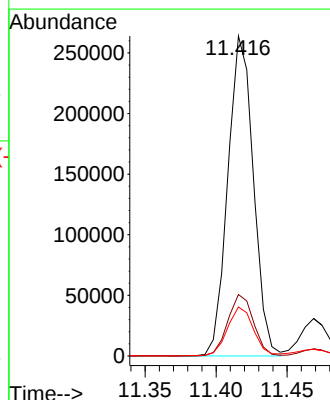
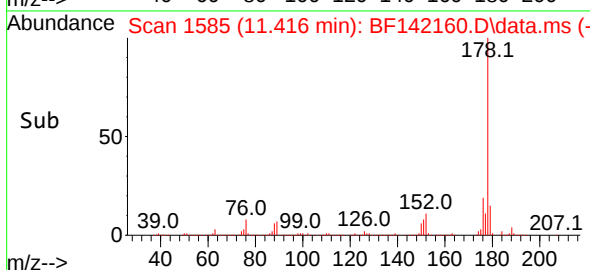
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025

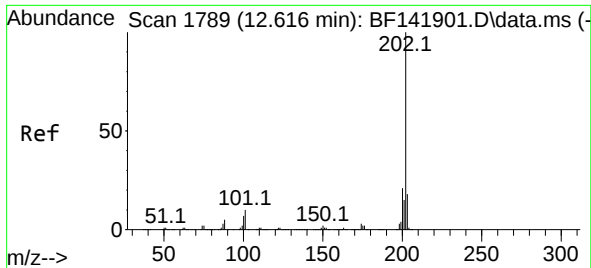


#71
Phenanthrene
Concen: 11.874 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF142160.D
Acq: 28 Mar 2025 15:07



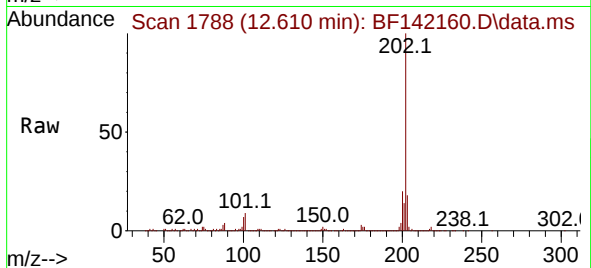
Tgt Ion:178 Resp: 330115
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 15.3 12.6 19.0





#75
Fluoranthene
Concen: 16.543 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142160.D
Acq: 28 Mar 2025 15:07

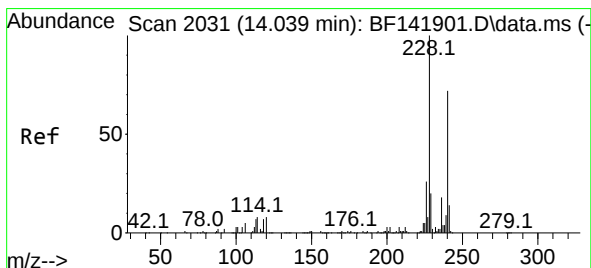
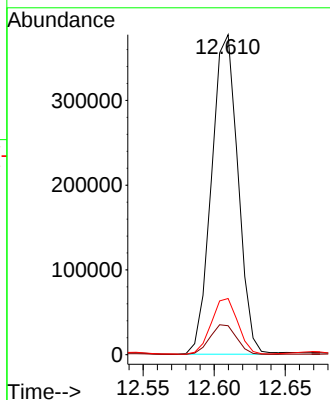
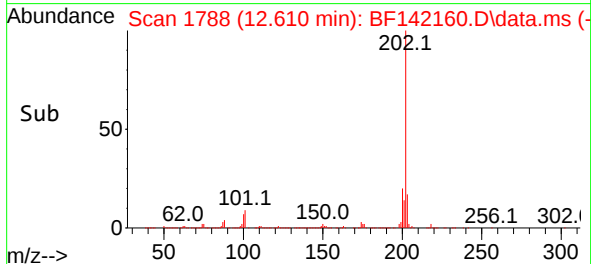
Instrument :
BNA_F
ClientSampleId :
351



Tgt Ion:202 Resp: 487854
Ion Ratio Lower Upper
202 100
101 9.1 0.0 29.7
203 17.6 0.0 37.8

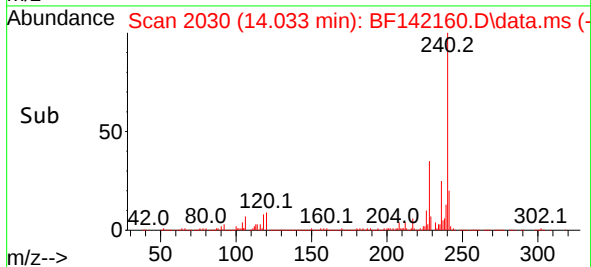
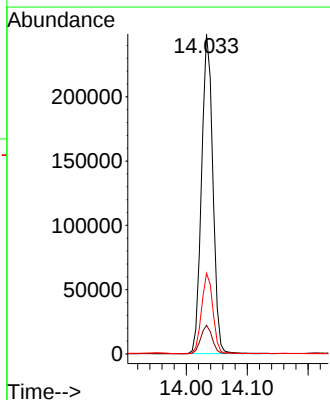
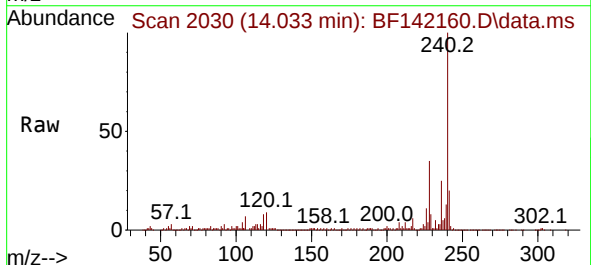
Manual Integrations
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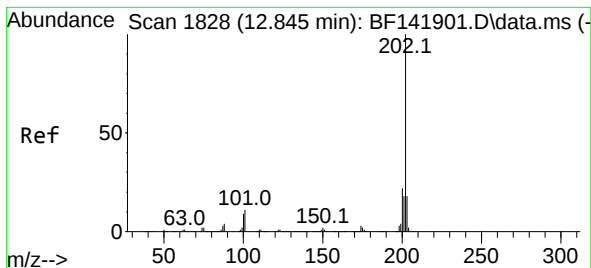
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142160.D
Acq: 28 Mar 2025 15:07

Tgt Ion:240 Resp: 319757
Ion Ratio Lower Upper
240 100
120 9.0 8.4 12.6
236 25.2 20.5 30.7





#78

Pyrene

Concen: 16.490 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF142160.D

Acq: 28 Mar 2025 15:07

Instrument :

BNA_F

ClientSampleId :

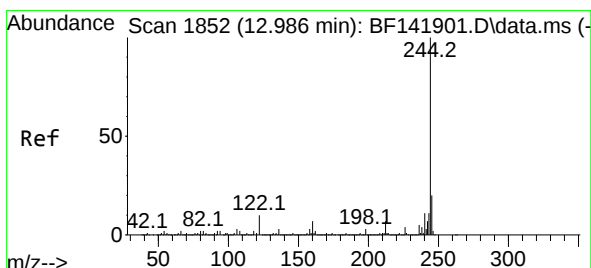
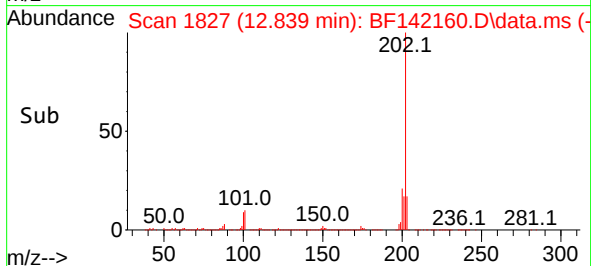
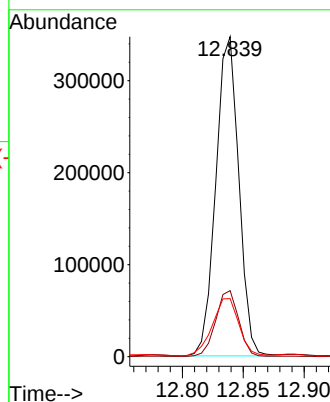
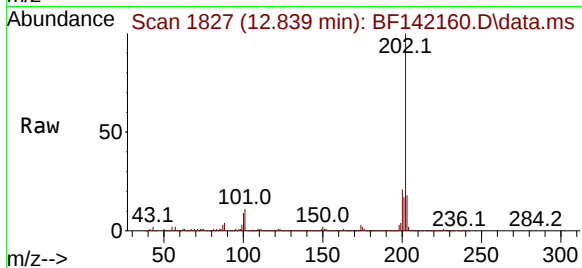
351

Tgt Ion:202 Resp: 456110
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.3 25.9
 203 18.2 14.4 21.6

Manual Integrations

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 Supervised By :Jagrut Upadhyay 03/31/2025



#79

Terphenyl-d14

Concen: 63.362 ng

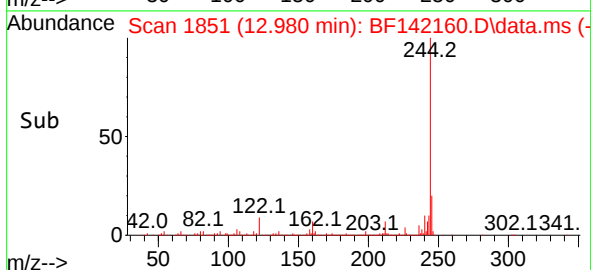
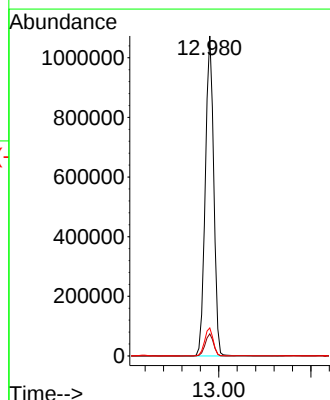
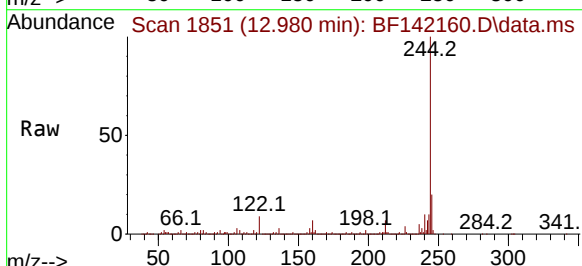
RT: 12.980 min Scan# 1851

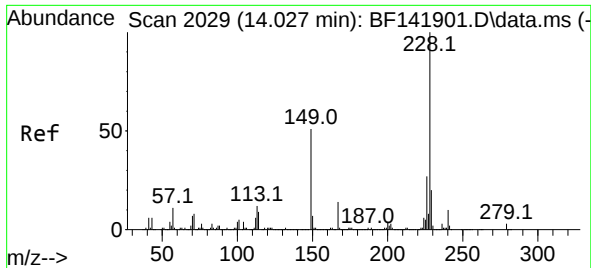
Delta R.T. -0.006 min

Lab File: BF142160.D

Acq: 28 Mar 2025 15:07

Tgt Ion:244 Resp: 1370371
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 8.8 7.7 11.5





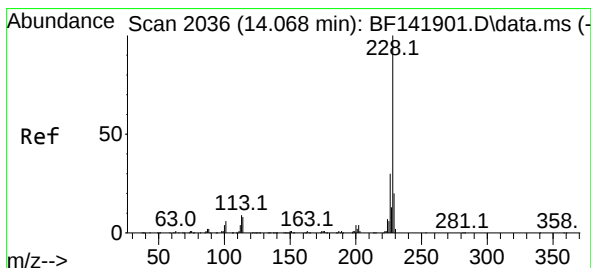
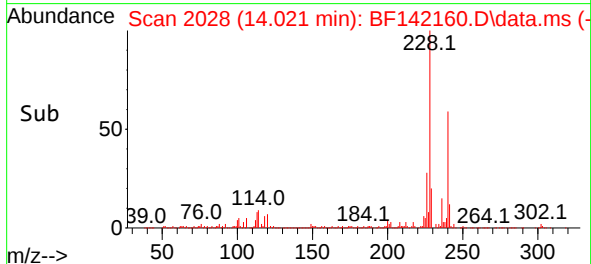
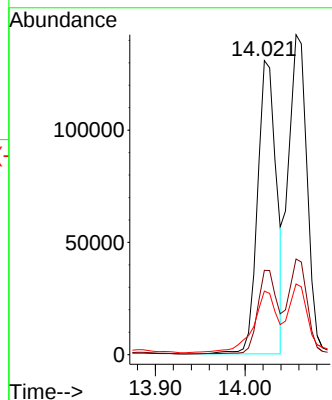
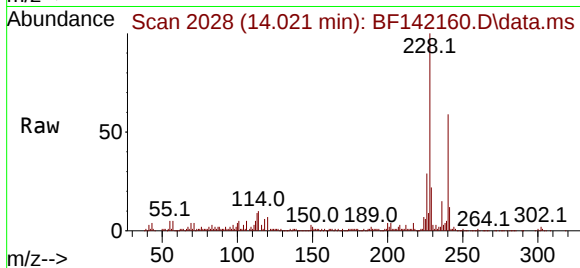
#81
Benzo(a)anthracene
Concen: 9.067 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF142160.D
Acq: 28 Mar 2025 15:07

Instrument :
BNA_F
ClientSampleId :
351

Tgt Ion:228 Resp: 19025
Ion Ratio Lower Upper
228 100
226 28.7 21.8 32.8
229 21.6 16.0 24.0

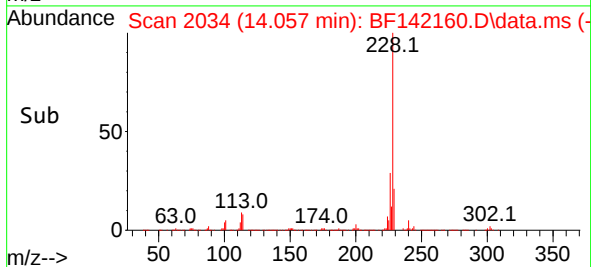
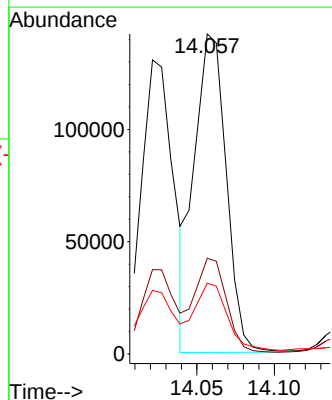
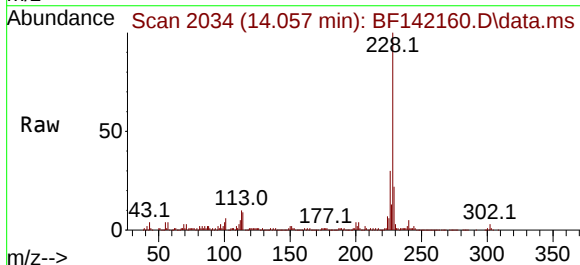
Manual Integrations
APPROVED

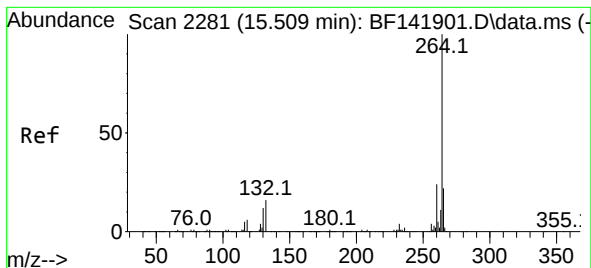
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#83
Chrysene
Concen: 10.693 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF142160.D
Acq: 28 Mar 2025 15:07

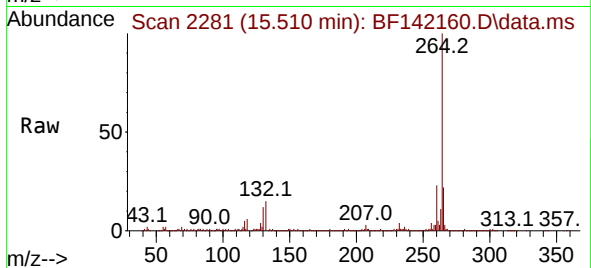
Tgt Ion:228 Resp: 203374
Ion Ratio Lower Upper
228 100
226 29.9 24.1 36.1
229 22.1 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142160.D
Acq: 28 Mar 2025 15:07

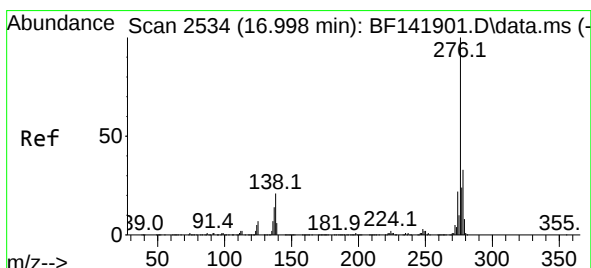
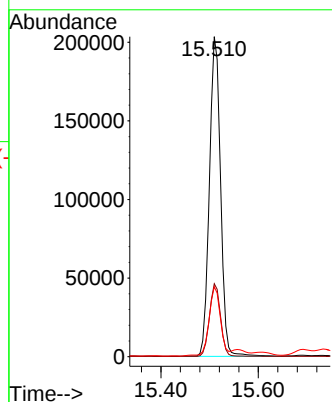
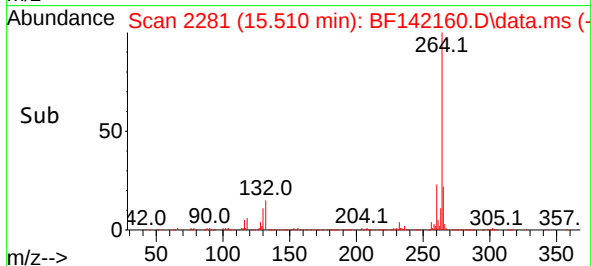
Instrument :
BNA_F
ClientSampleId :
351



Tgt Ion:264 Resp: 32196
Ion Ratio Lower Upper
264 100
260 22.8 19.1 28.7
265 21.9 17.5 26.3

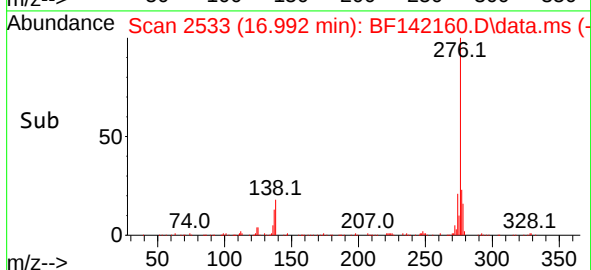
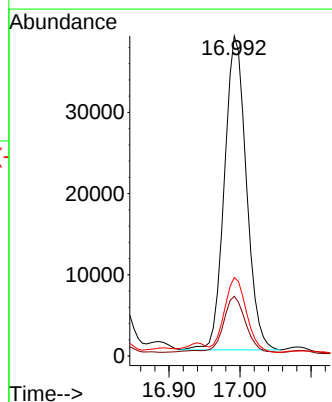
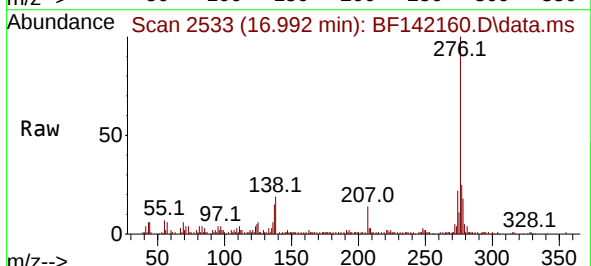
Manual Integrations
APPROVED

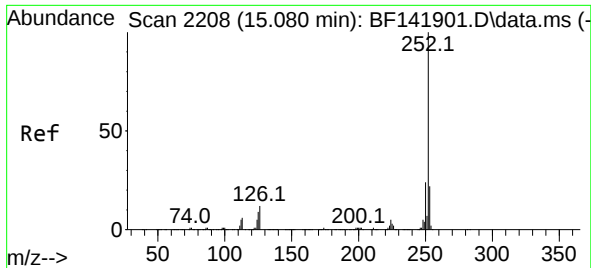
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.972 ng
RT: 16.992 min Scan# 2533
Delta R.T. -0.006 min
Lab File: BF142160.D
Acq: 28 Mar 2025 15:07

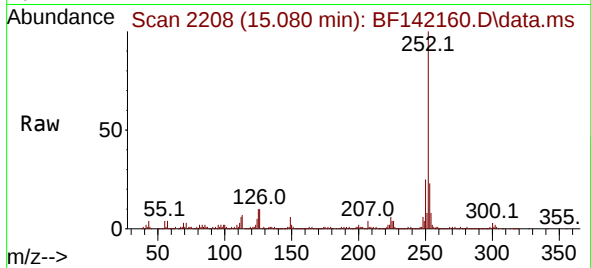
Tgt Ion:276 Resp: 82716
Ion Ratio Lower Upper
276 100
138 18.2 18.4 27.6#
277 24.0 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 11.408 ng m
RT: 15.080 min Scan# 211
Delta R.T. 0.000 min
Lab File: BF142160.D
Acq: 28 Mar 2025 15:07

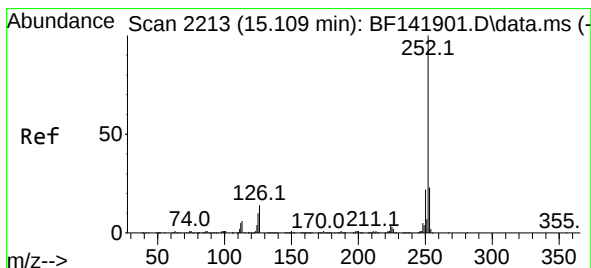
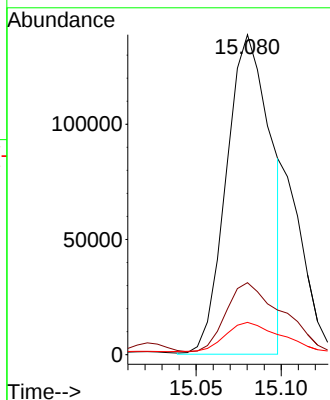
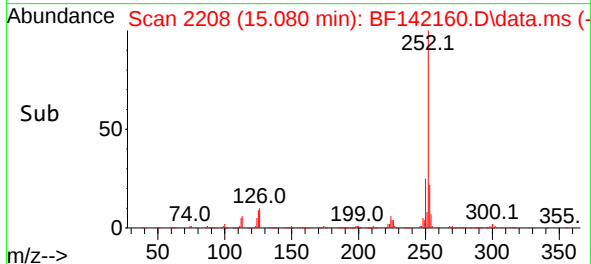
Instrument :
BNA_F
ClientSampleId :
351



Tgt Ion:252 Resp: 25173
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 10.1 7.0 10.4

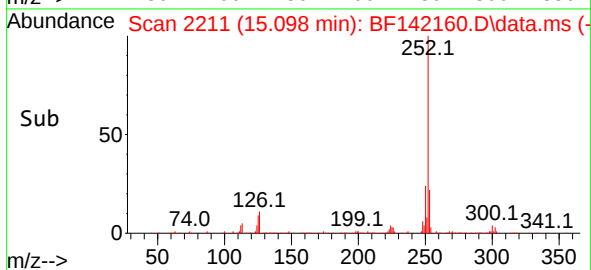
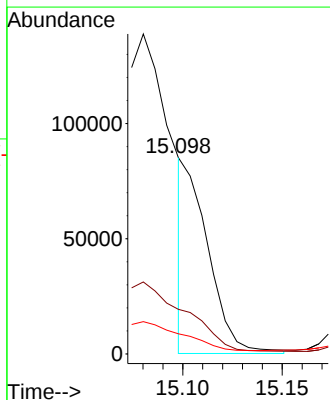
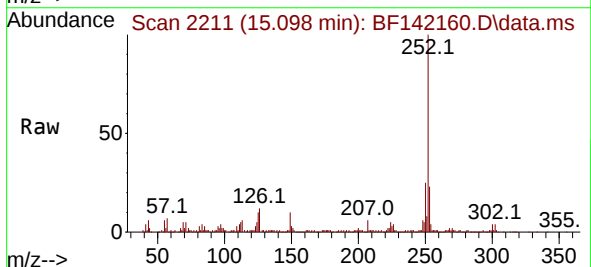
Manual Integrations
APPROVED

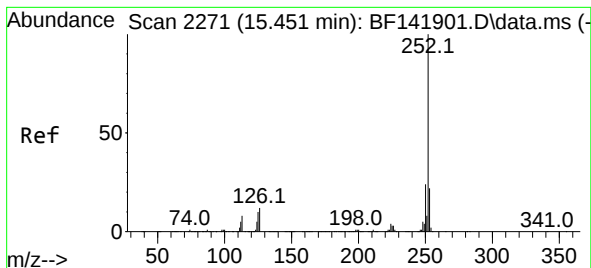
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#89
Benzo(k)fluoranthene
Concen: 3.706 ng m
RT: 15.098 min Scan# 2211
Delta R.T. -0.012 min
Lab File: BF142160.D
Acq: 28 Mar 2025 15:07

Tgt Ion:252 Resp: 69985
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 10.3 7.2 10.8





#90

Benzo(a)pyrene

Concen: 9.337 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142160.D

Acq: 28 Mar 2025 15:07

Instrument :

BNA_F

ClientSampleId :

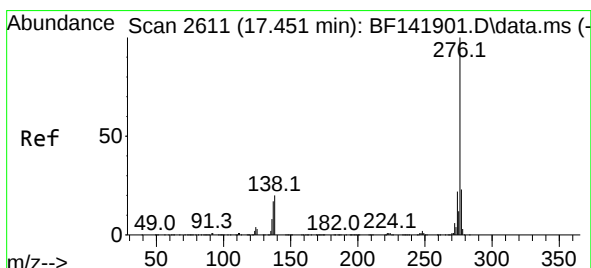
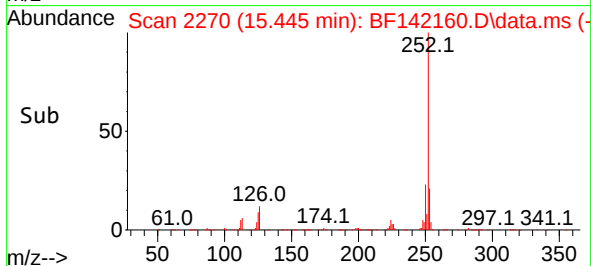
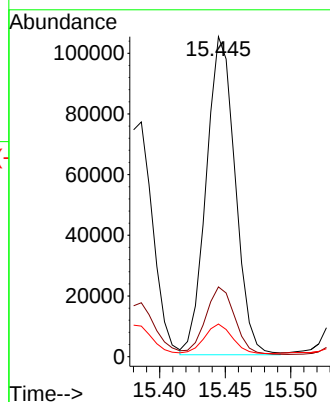
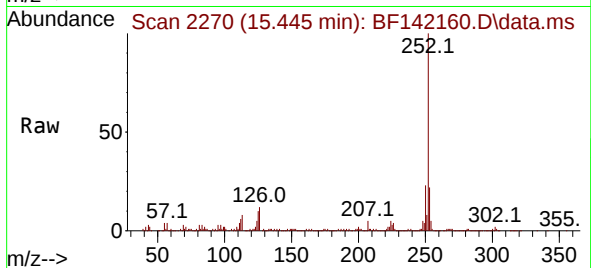
351

Tgt Ion:252 Resp: 161214
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.4 26.0
 125 10.2 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/31/2025
 Supervised By :Jagrut Upadhyay 03/31/2025



#92

Benzo(g,h,i)perylene

Concen: 4.882 ng

RT: 17.445 min Scan# 2610

Delta R.T. -0.006 min

Lab File: BF142160.D

Acq: 28 Mar 2025 15:07

Tgt Ion:276 Resp: 82908
 Ion Ratio Lower Upper
 276 100
 277 24.6 18.7 28.1
 138 17.9 15.8 23.8

