

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
 Data File : BF142895.D
 Acq On : 27 Jun 2025 16:13
 Operator : RC/JU
 Sample : Q2420-01DL2 50X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11933DL2

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/30/2025
 Supervised By :Jagrut Upadhyay 06/30/2025

Quant Time: Jun 27 16:34:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	55921	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	195324	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	90478	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	145509	20.000	ng	0.00
76) Chrysene-d12	14.057	240	148021	20.000	ng	0.00
86) Perylene-d12	15.551	264	103727	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	4466	1.330	ng	0.00
7) Phenol-d6	6.510	99	5465	1.379	ng	0.00
23) Nitrobenzene-d5	7.439	82	2836	0.796	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	1128	1.211	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	8061	1.170	ng	-0.01
79) Terphenyl-d14	12.992	244	8740	0.816	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.951	154	21740	4.036	ng	99
58) Fluorene	10.469	166	17333	2.873	ng	97
71) Phenanthrene	11.433	178	123730	15.697	ng	99
72) Anthracene	11.486	178	19627	2.428	ng	99
75) Fluoranthene	12.627	202	321812	43.019	ng	99
78) Pyrene	12.857	202	220043	15.859	ng	99
81) Benzo(a)anthracene	14.045	228	68124	6.822	ng	98
83) Chrysene	14.080	228	52648	5.909	ng	97
88) Benzo(b)fluoranthene	15.110	252	30897m	5.148	ng	
90) Benzo(a)pyrene	15.486	252	13485	2.326	ng	96

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

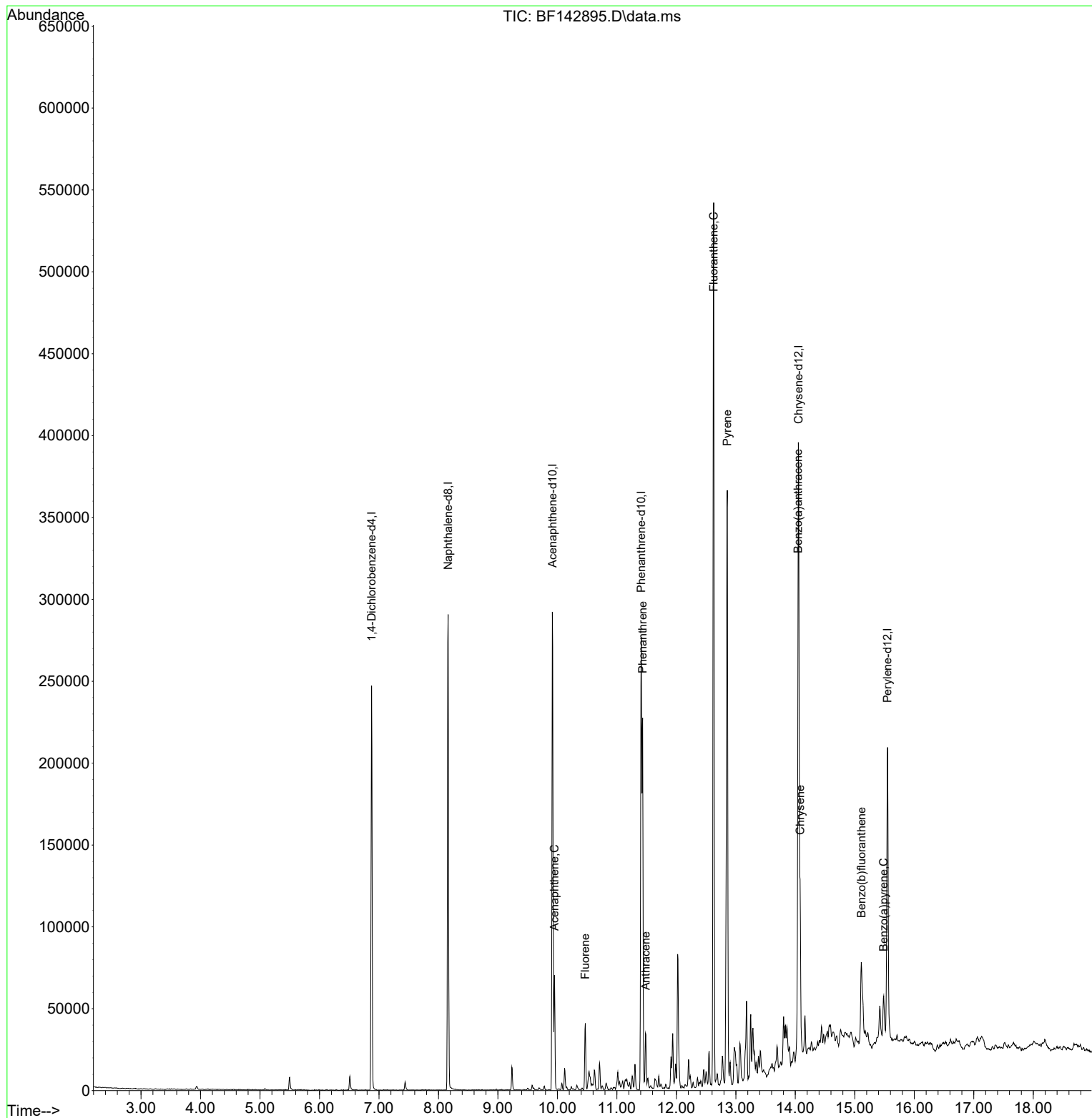
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142895.D
Acq On : 27 Jun 2025 16:13
Operator : RC/JU
Sample : Q2420-01DL2 50X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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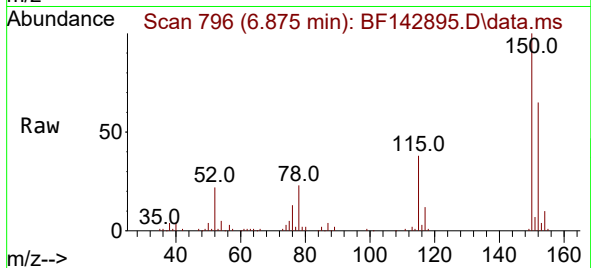
Quant Time: Jun 27 16:34:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142895.D
Acq: 27 Jun 2025 16:13

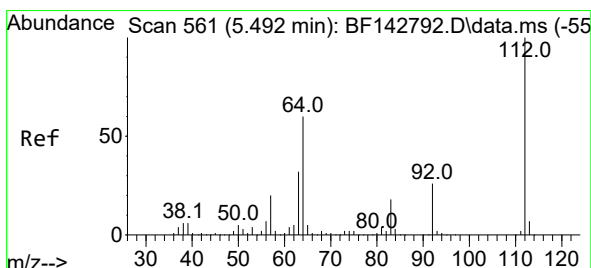
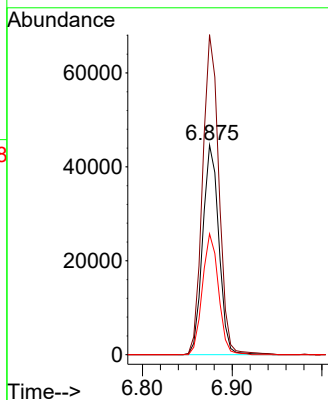
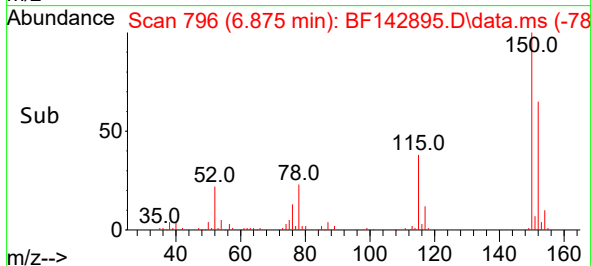
Instrument :
BNA_F
ClientSampleId :
72-11933DL2



Tgt Ion:152 Resp: 5592
Ion Ratio Lower Upper
152 100
150 152.7 127.2 190.8
115 57.7 46.6 69.8

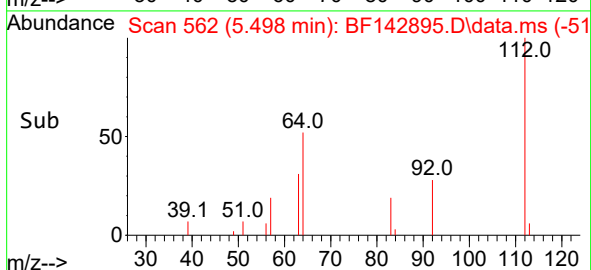
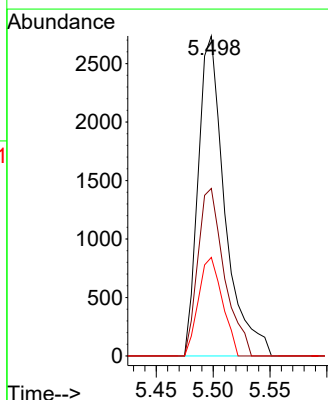
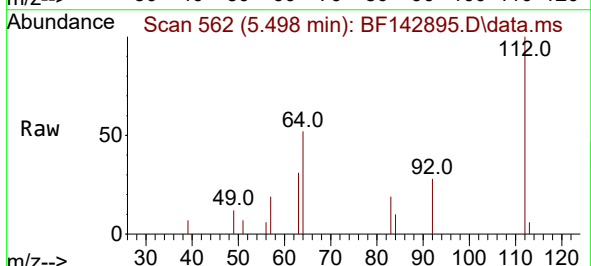
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Supervised By :Jagrut Upadhyay 06/30/2025



#5
2-Fluorophenol
Concen: 1.330 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF142895.D
Acq: 27 Jun 2025 16:13

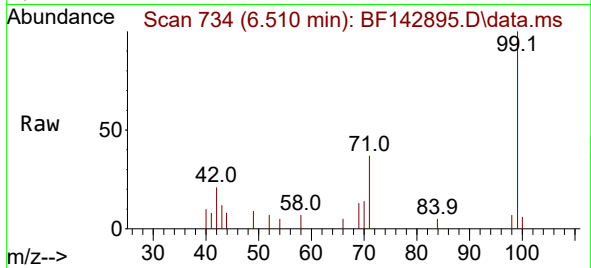
Tgt Ion:112 Resp: 4466
Ion Ratio Lower Upper
112 100
64 52.3 48.2 72.2
63 30.8 25.7 38.5





#7
Phenol-d6
Concen: 1.379 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142895.D
Acq: 27 Jun 2025 16:13

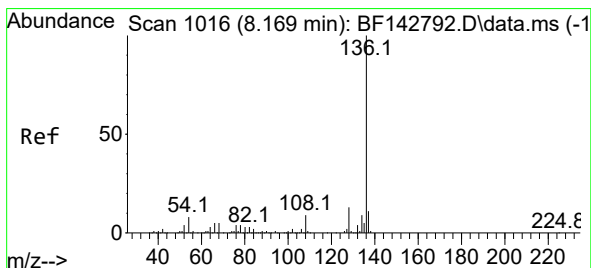
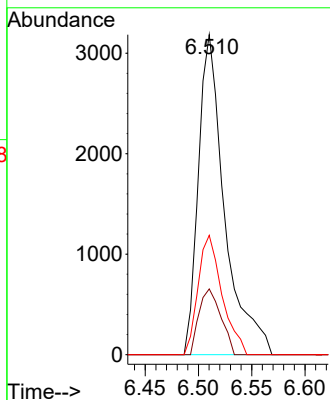
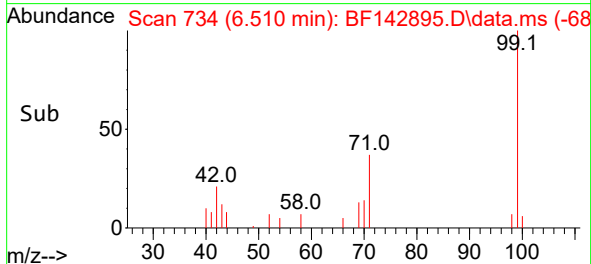
Instrument :
BNA_F
ClientSampleId :
72-11933DL2



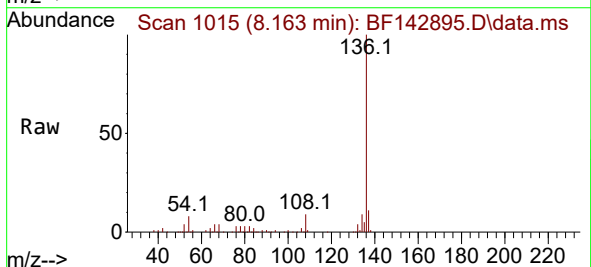
Tgt Ion: 99 Resp: 546
Ion Ratio Lower Upper
99 100
42 20.5 15.9 23.9
71 37.3 27.8 41.8

Manual Integrations
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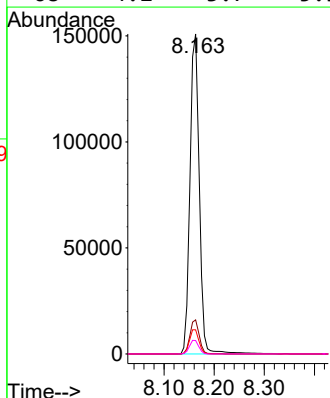
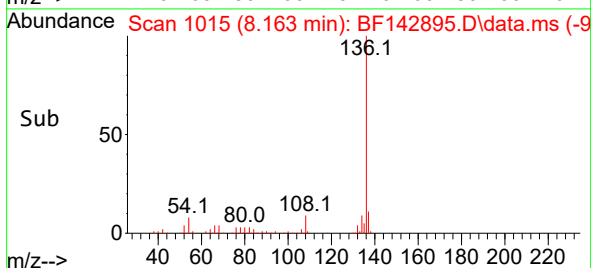
Reviewed By :Rahul Chavli 06/30/2025
Supervised By :Jagrut Upadhyay 06/30/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF142895.D
Acq: 27 Jun 2025 16:13



Tgt Ion:136 Resp: 195324
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 7.5 6.3 9.5
68 4.2 3.7 5.5





#23
Nitrobenzene-d5
Concen: 0.796 ng
RT: 7.439 min Scan# 893
Delta R.T. -0.006 min
Lab File: BF142895.D
Acq: 27 Jun 2025 16:13

Instrument :

BNA_F

ClientSampleId :

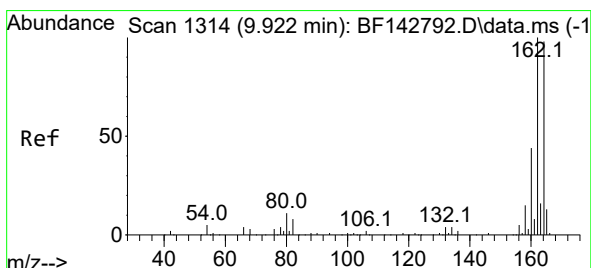
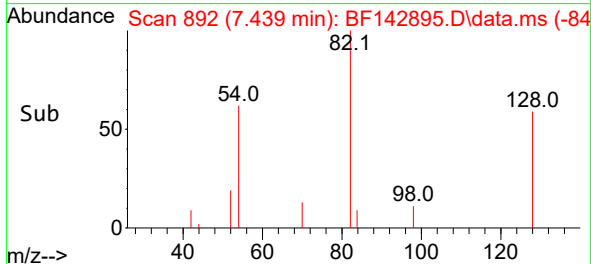
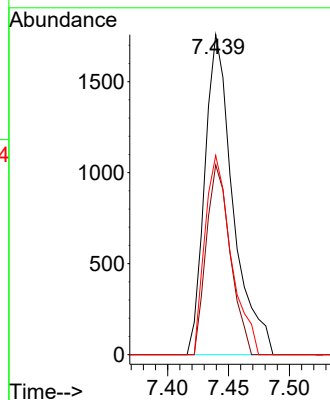
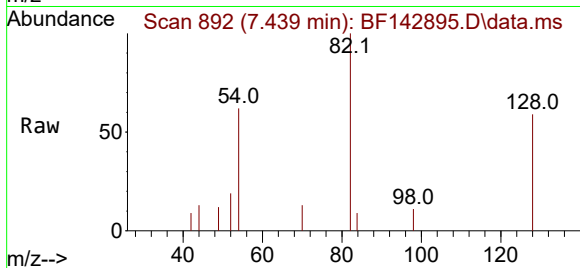
72-11933DL2

Tgt Ion: 82 Resp: 2830
Ion Ratio Lower Upper
82 100
128 59.3 37.7 56.5
54 62.2 45.7 68.5

Manual Integrations

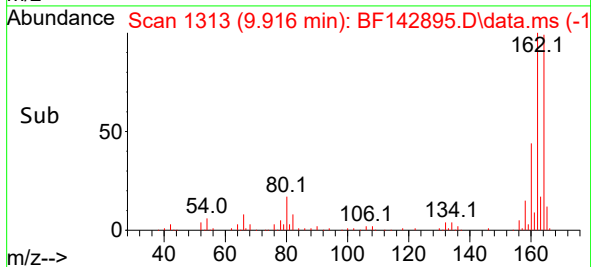
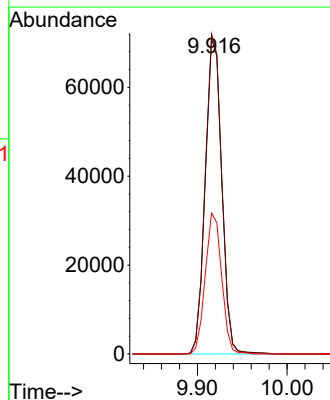
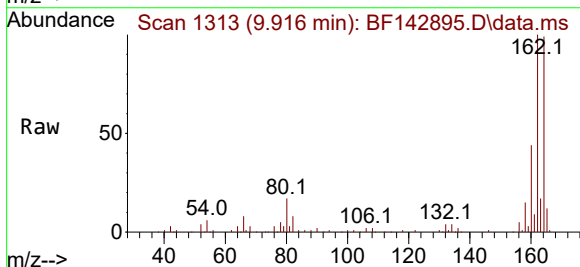
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Supervised By :Jagrut Upadhyay 06/30/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142895.D
Acq: 27 Jun 2025 16:13

Tgt Ion:164 Resp: 90478
Ion Ratio Lower Upper
164 100
162 101.4 81.8 122.8
160 44.7 36.0 54.0





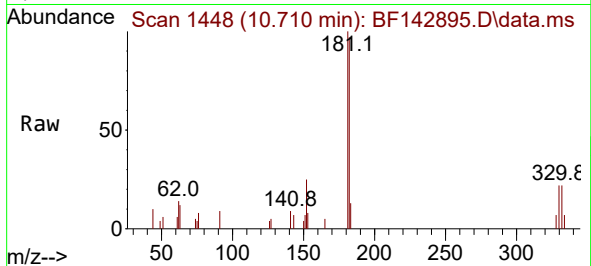
#42
2,4,6-Tribromophenol
Concen: 1.211 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF142895.D
Acq: 27 Jun 2025 16:13

Instrument :

BNA_F

ClientSampleId :

72-11933DL2



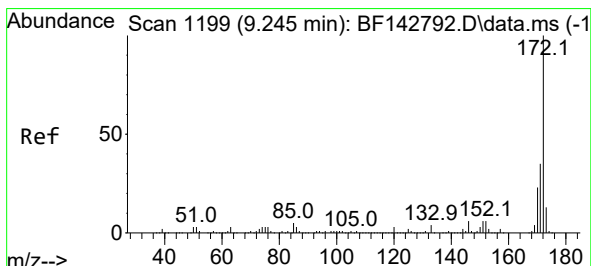
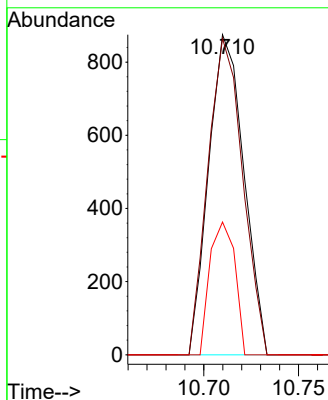
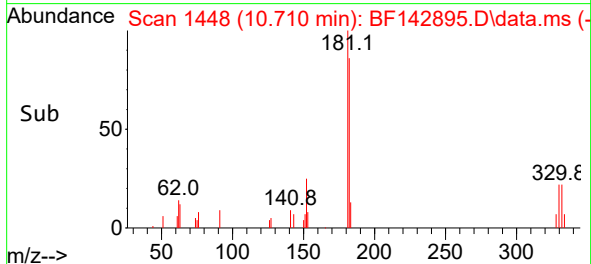
Tgt Ion: 330 Resp: 1128
Ion Ratio Lower Upper
330 100
332 97.6 75.0 112.6
141 29.5 25.3 37.9

Manual Integrations

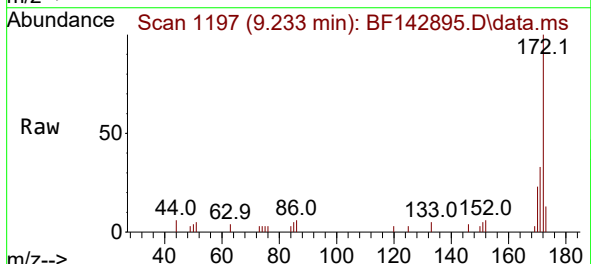
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Reviewed By :Rahul Chavli 06/30/2025

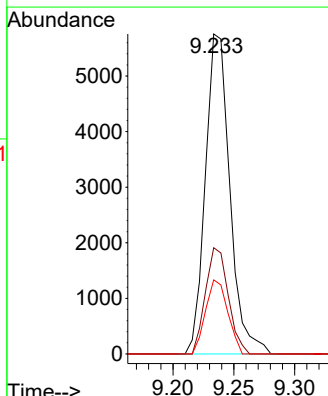
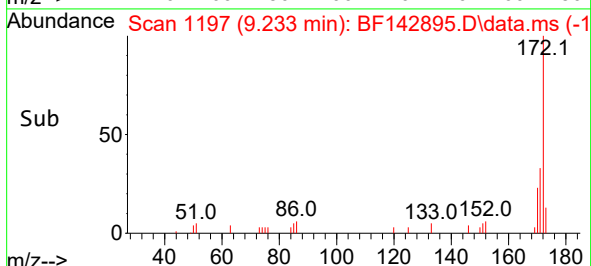
Supervised By :Jagrut Upadhyay 06/30/2025

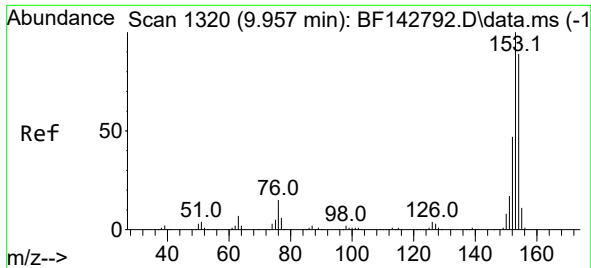


#45
2-Fluorobiphenyl
Concen: 1.170 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142895.D
Acq: 27 Jun 2025 16:13



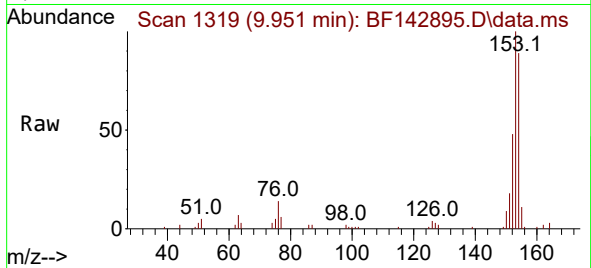
Tgt Ion: 172 Resp: 8061
Ion Ratio Lower Upper
172 100
171 33.2 28.2 42.4
170 23.1 18.5 27.7





#52
Acenaphthene
Concen: 4.036 ng
RT: 9.951 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142895.D
Acq: 27 Jun 2025 16:13

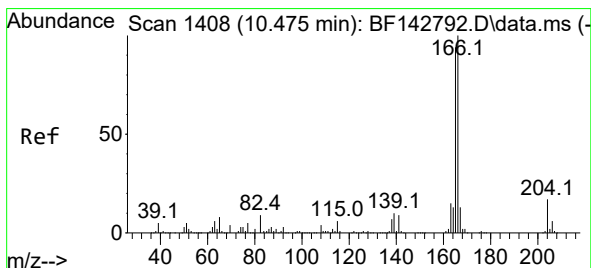
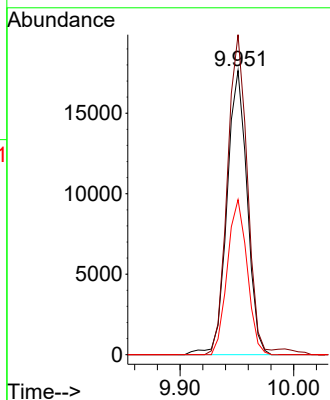
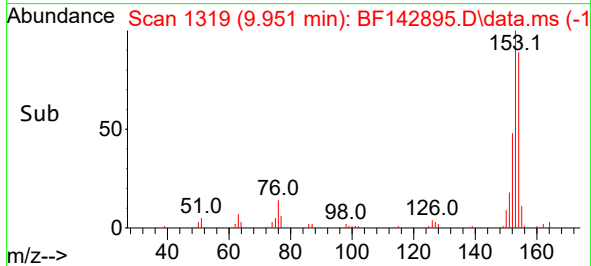
Instrument :
BNA_F
ClientSampleId :
72-11933DL2



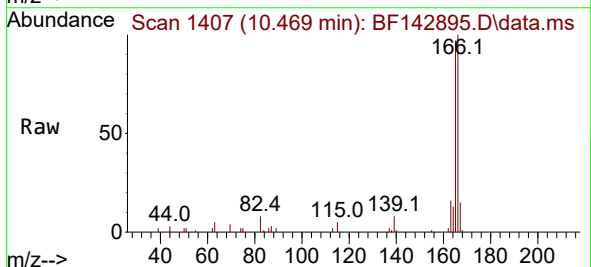
Tgt Ion:154 Resp: 21740
Ion Ratio Lower Upper
154 100
153 112.6 90.0 135.0
152 54.5 41.9 62.9

Manual Integrations
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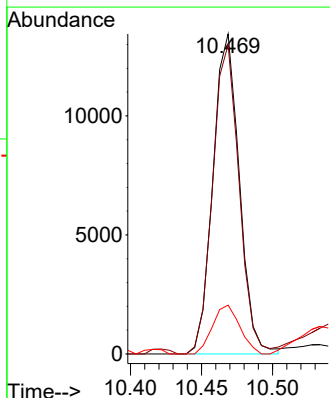
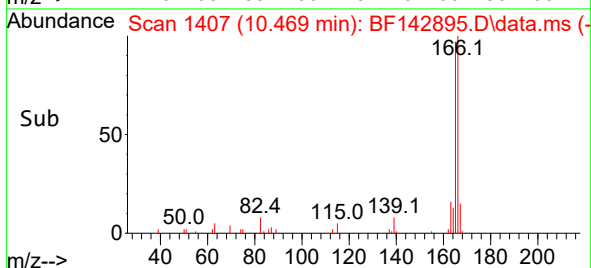
Reviewed By :Rahul Chavli 06/30/2025
Supervised By :Jagrut Upadhyay 06/30/2025

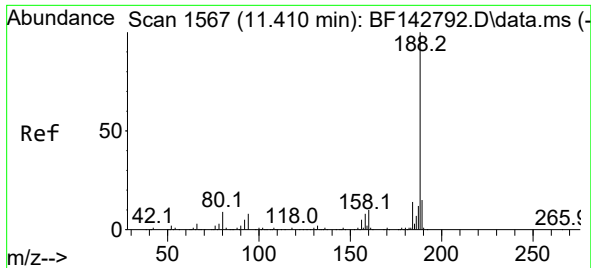


#58
Fluorene
Concen: 2.873 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF142895.D
Acq: 27 Jun 2025 16:13



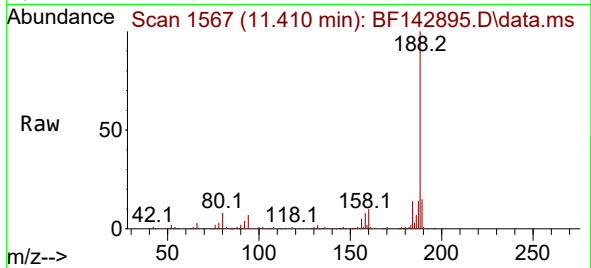
Tgt Ion:166 Resp: 17333
Ion Ratio Lower Upper
166 100
165 96.7 75.2 112.8
167 15.3 10.6 15.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142895.D
Acq: 27 Jun 2025 16:13

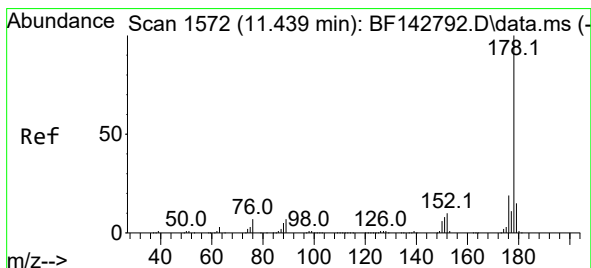
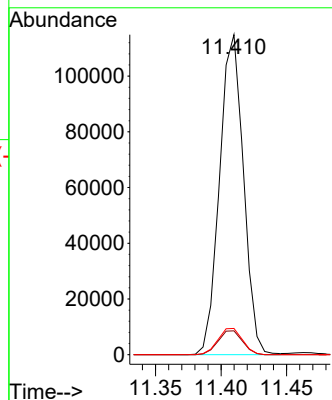
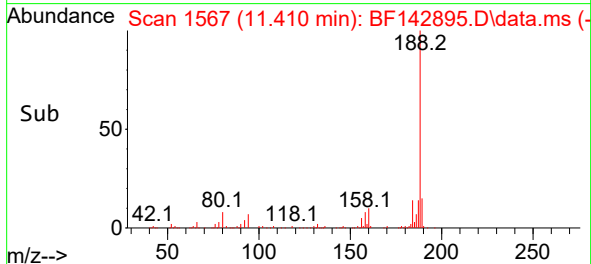
Instrument :
BNA_F
ClientSampleId :
72-11933DL2



Tgt Ion:188 Resp: 145509
Ion Ratio Lower Upper
188 100
94 7.4 6.7 10.1
80 8.2 6.9 10.3

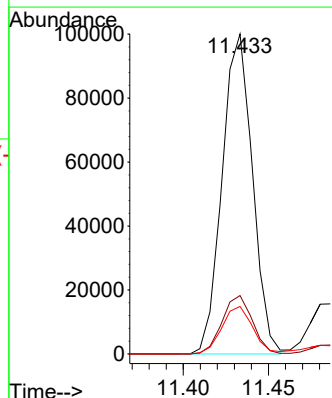
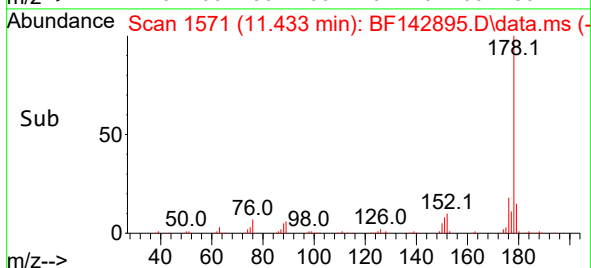
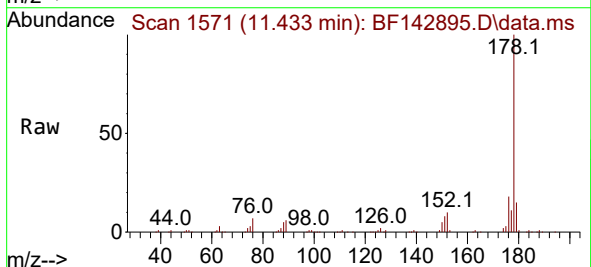
Manual Integrations
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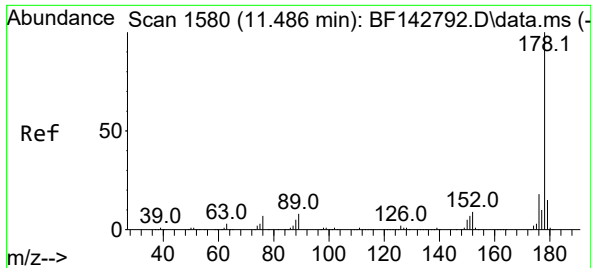
Reviewed By :Rahul Chavli 06/30/2025
Supervised By :Jagrut Upadhyay 06/30/2025



#71
Phenanthrene
Concen: 15.697 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF142895.D
Acq: 27 Jun 2025 16:13

Tgt Ion:178 Resp: 123730
Ion Ratio Lower Upper
178 100
176 18.2 15.1 22.7
179 14.8 12.0 18.0





#72
 Anthracene
 Concen: 2.428 ng
 RT: 11.486 min Scan# 1580
 Delta R.T. 0.000 min
 Lab File: BF142895.D
 Acq: 27 Jun 2025 16:13

Instrument :

BNA_F

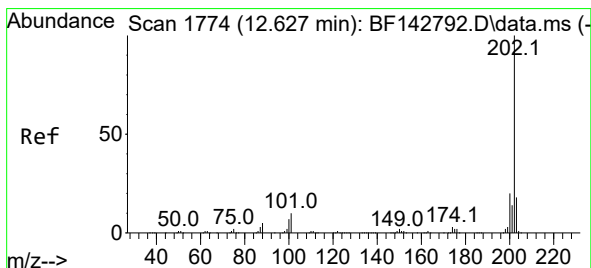
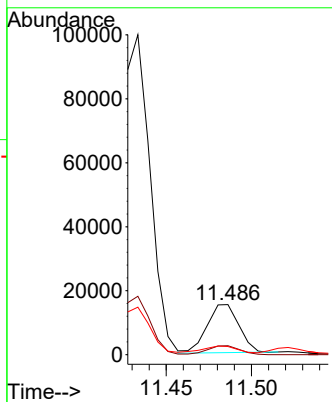
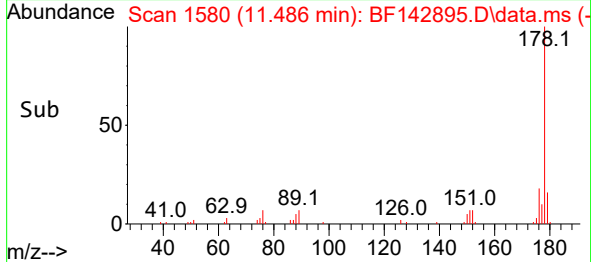
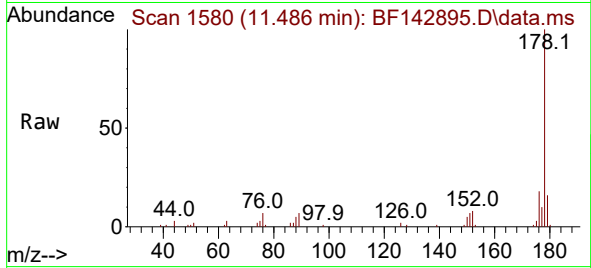
ClientSampleId :

72-11933DL2

Tgt Ion:178 Resp: 1962
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.6 21.8
 179 16.3 12.4 18.6

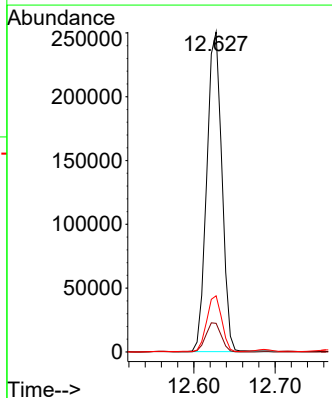
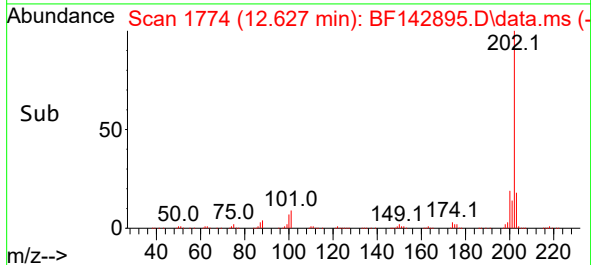
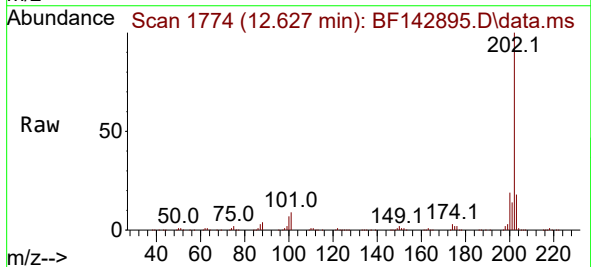
Manual Integrations
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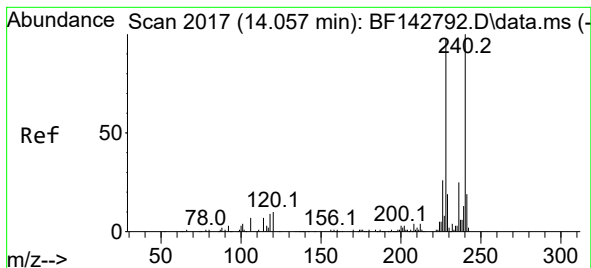
Reviewed By :Rahul Chavli 06/30/2025
 Supervised By :Jagrut Upadhyay 06/30/2025



#75
 Fluoranthene
 Concen: 43.019 ng
 RT: 12.627 min Scan# 1774
 Delta R.T. 0.000 min
 Lab File: BF142895.D
 Acq: 27 Jun 2025 16:13

Tgt Ion:202 Resp: 321812
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 29.7
 203 17.5 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BF142895.D

Acq: 27 Jun 2025 16:13

Instrument :

BNA_F

ClientSampleId :

72-11933DL2

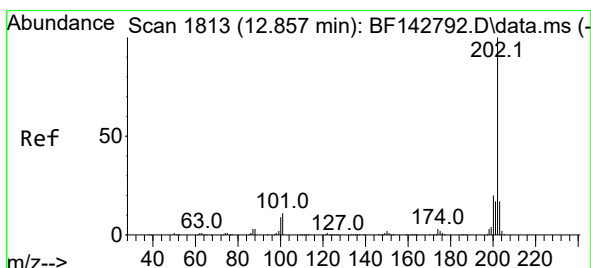
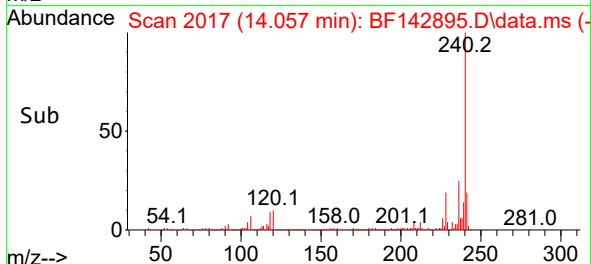
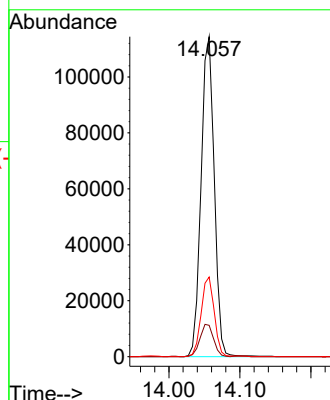
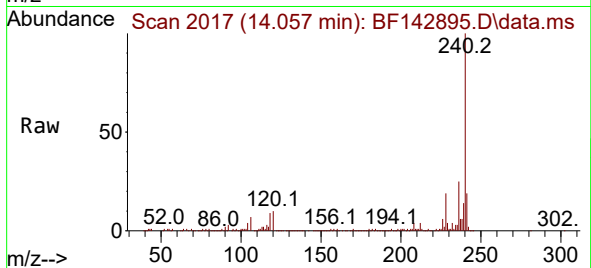
Tgt Ion:240 Resp: 14802
 Ion Ratio Lower Upper
 240 100
 120 9.8 8.2 12.2
 236 24.9 19.8 29.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 06/30/2025



#78

Pyrene

Concen: 15.859 ng

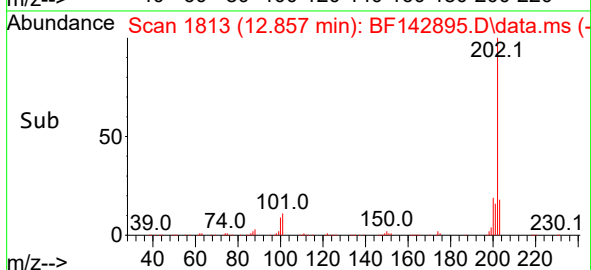
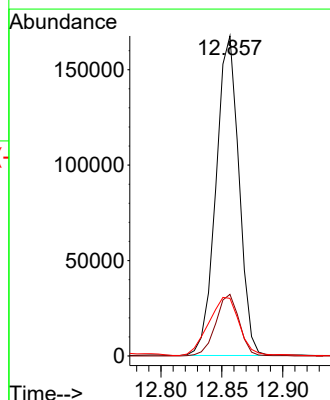
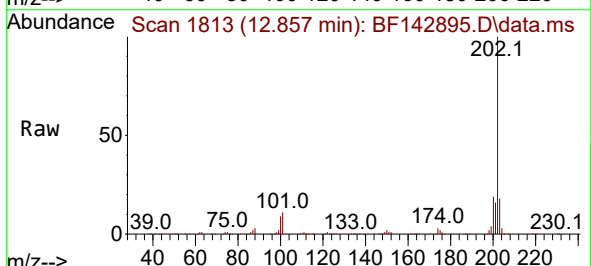
RT: 12.857 min Scan# 1813

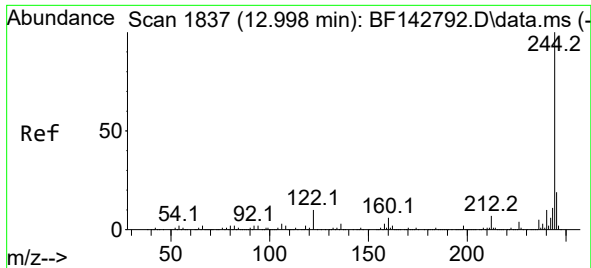
Delta R.T. 0.000 min

Lab File: BF142895.D

Acq: 27 Jun 2025 16:13

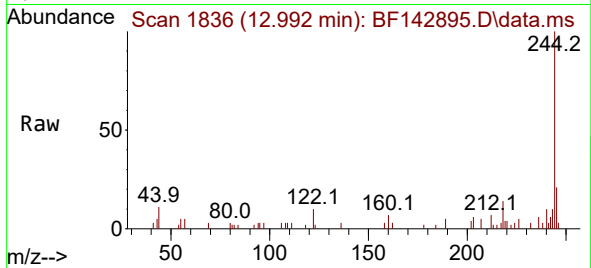
Tgt Ion:202 Resp: 220043
 Ion Ratio Lower Upper
 202 100
 200 19.3 15.7 23.5
 203 18.0 13.8 20.6





#79
 Terphenyl-d14
 Concen: 0.816 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF142895.D
 Acq: 27 Jun 2025 16:13

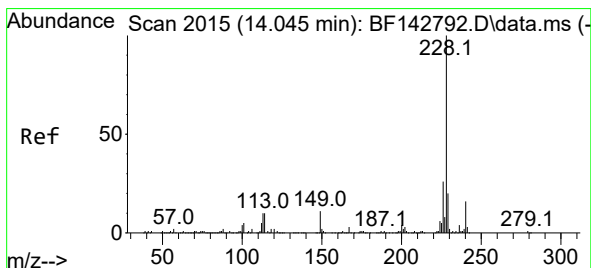
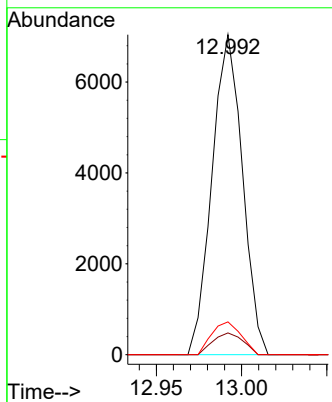
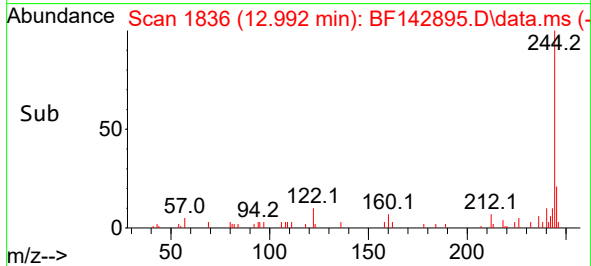
Instrument :
 BNA_F
 ClientSampleId :
 72-11933DL2



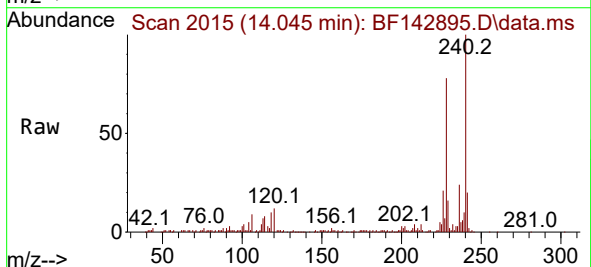
Tgt Ion:244 Resp: 8740
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 10.3 8.2 12.2

Manual Integrations
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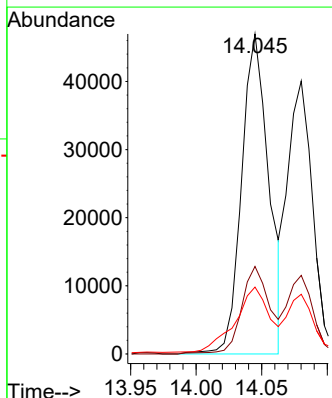
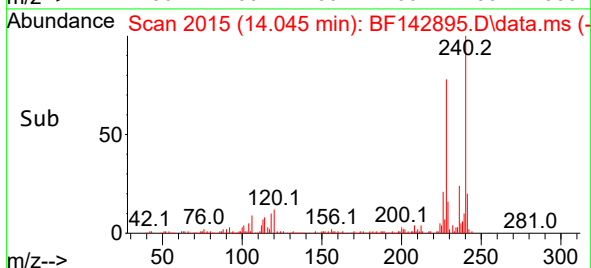
Reviewed By :Rahul Chavli 06/30/2025
 Supervised By :Jagrut Upadhyay 06/30/2025

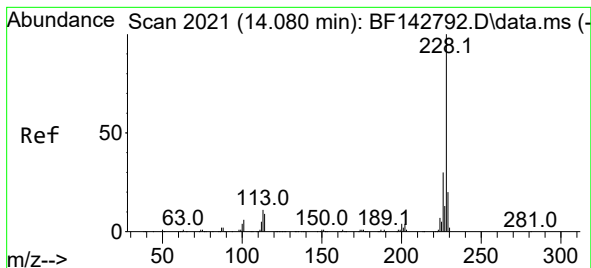


#81
 Benzo(a)anthracene
 Concen: 6.822 ng
 RT: 14.045 min Scan# 2015
 Delta R.T. 0.000 min
 Lab File: BF142895.D
 Acq: 27 Jun 2025 16:13



Tgt Ion:228 Resp: 68124
 Ion Ratio Lower Upper
 228 100
 226 27.3 21.2 31.8
 229 20.9 15.6 23.4





#83

Chrysene

Concen: 5.909 ng

RT: 14.080 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF142895.D

Acq: 27 Jun 2025 16:13

Instrument :

BNA_F

ClientSampleId :

72-11933DL2

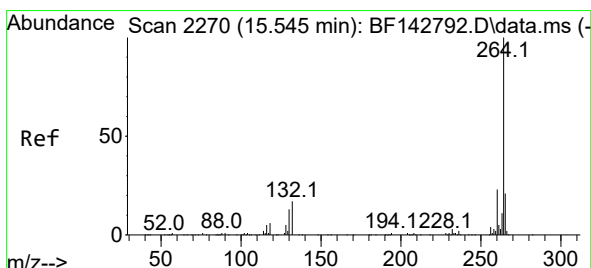
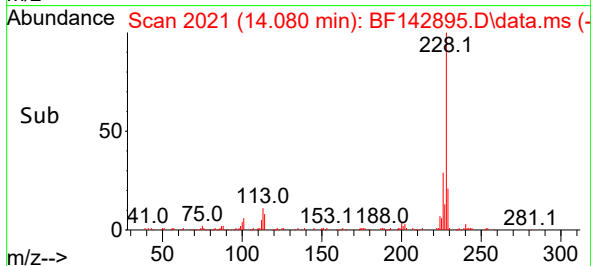
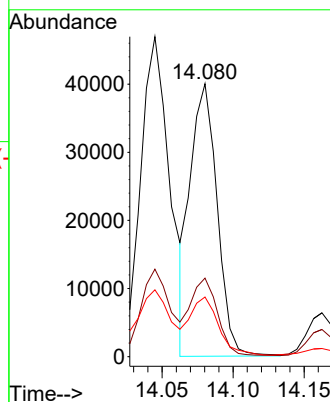
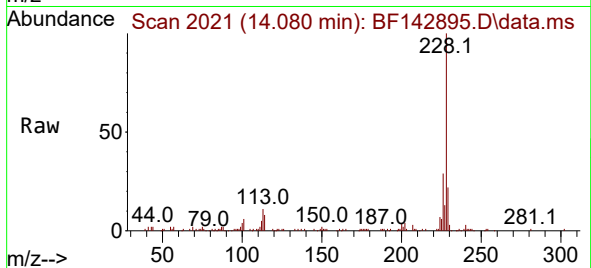
Tgt Ion:	228	Resp:	52648
Ion Ratio	Lower	Upper	
228	100		
226	28.8	23.7	35.5
229	21.9	15.7	23.5

Manual Integrations

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Supervised By :Jagrut Upadhyay 06/30/2025



#86

Perylene-d12

Concen: 20.000 ng

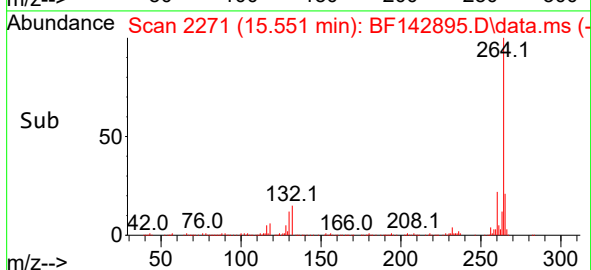
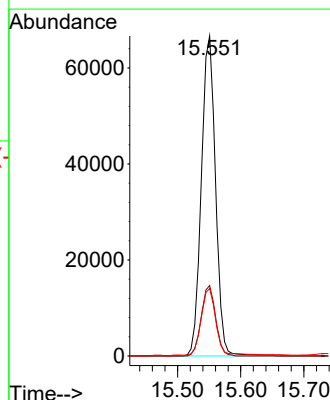
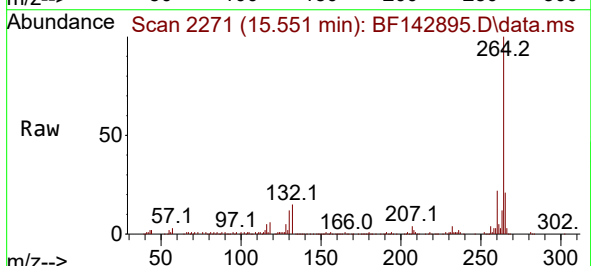
RT: 15.551 min Scan# 2271

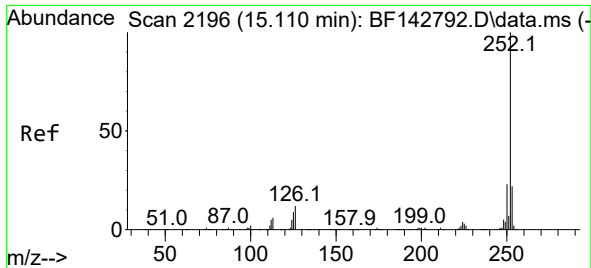
Delta R.T. 0.006 min

Lab File: BF142895.D

Acq: 27 Jun 2025 16:13

Tgt Ion:	264	Resp:	103727
Ion Ratio	Lower	Upper	
264	100		
260	22.0	18.1	27.1
265	21.1	16.6	25.0





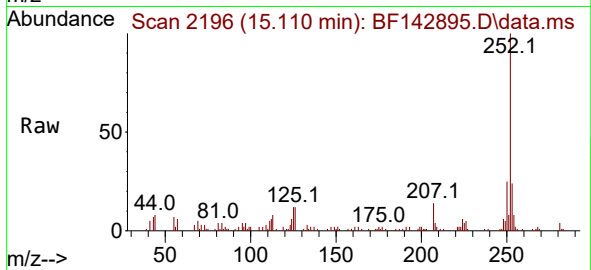
#88
Benzo(b)fluoranthene
Concen: 5.148 ng m
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF142895.D
Acq: 27 Jun 2025 16:13

Instrument :

BNA_F

ClientSampleId :

72-11933DL2



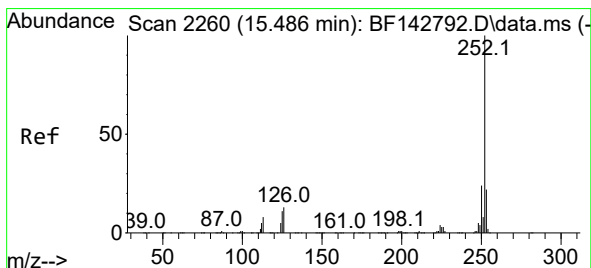
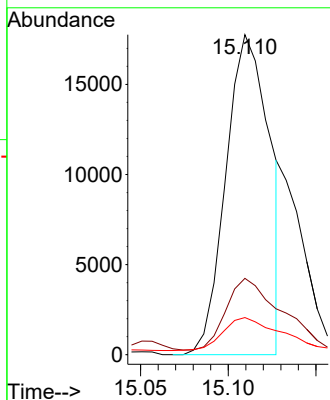
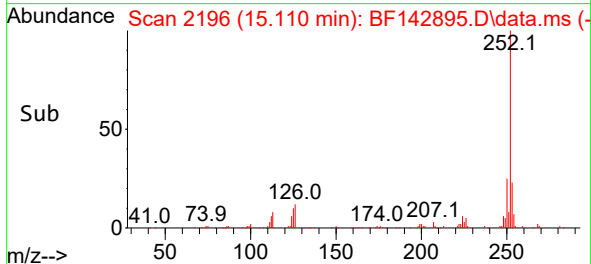
Tgt Ion:252 Resp: 3089
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 11.6 7.4 11.0

Manual Integrations

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Reviewed By :Rahul Chavli 06/30/2025

Supervised By :Jagrut Upadhyay 06/30/2025



#90
Benzo(a)pyrene
Concen: 2.326 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF142895.D
Acq: 27 Jun 2025 16:13

Tgt Ion:252 Resp: 13485
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 12.4 8.6 12.8

