

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030525\
 Data File : BF141839.D
 Acq On : 05 Mar 2025 12:15
 Operator : RC/JU
 Sample : Q1480-01DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1DL

Manual Integrations
 APPROVED

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

Quant Time: Mar 05 12:32:53 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	6.886	152	195801	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	748972	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	370574	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	542454	20.000	ng	0.00
76) Chrysene-d12	14.039	240	459293	20.000	ng	-0.01
86) Perylene-d12	15.515	264	492848	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	118998	9.706	ng	0.00
7) Phenol-d6	6.492	99	150070	9.404	ng	-0.02
23) Nitrobenzene-d5	7.439	82	86161	7.353	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	27749	7.976	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	164022	7.097	ng	-0.01
79) Terphenyl-d14	12.986	244	132515	4.668	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.186	128	77588	2.016	ng	98
49) Acenaphthylene	9.780	152	96683	3.097	ng	97
52) Acenaphthene	9.951	154	85422	4.056	ng	99
55) Dibenzofuran	10.122	168	106080	3.460	ng	96
58) Fluorene	10.463	166	175119	7.626	ng	100
71) Phenanthrene	11.427	178	717588	24.731	ng	99
72) Anthracene	11.480	178	308116	10.595	ng	98
75) Fluoranthene	12.616	202	1292677	43.478	ng	99
78) Pyrene	12.845	202	1049793	26.395	ng	99
81) Benzo(a)anthracene	14.033	228	793637m	26.161	ng	
83) Chrysene	14.063	228	547469	19.577	ng	98
87) Indeno(1,2,3-cd)pyrene	16.992	276	242413	7.724	ng	94
88) Benzo(b)fluoranthene	15.086	252	772961m	23.024	ng	
89) Benzo(k)fluoranthene	15.098	252	312588m	10.955	ng	
90) Benzo(a)pyrene	15.451	252	581280	21.590	ng	99
91) Dibenzo(a,h)anthracene	17.003	278	71041	2.773	ng	95
92) Benzo(g,h,i)perylene	17.439	276	201071	7.662	ng	99

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

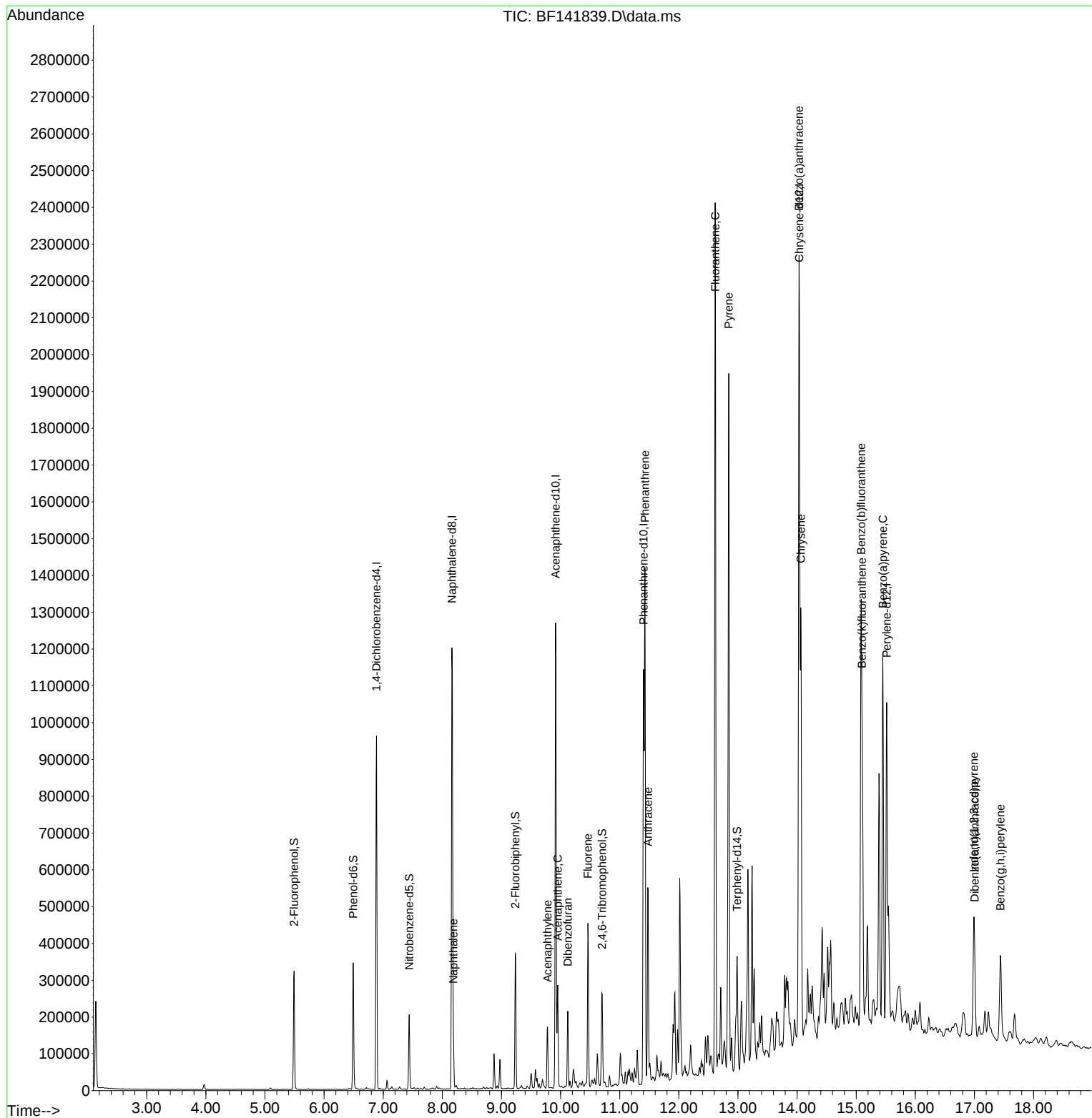
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030525\
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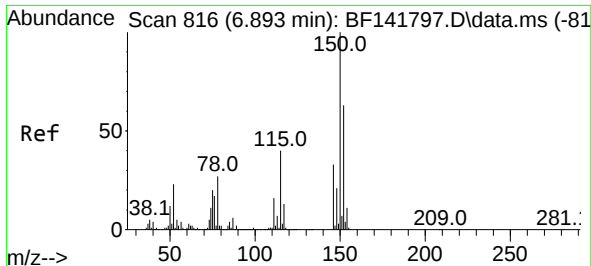
Instrument :
BNA_F
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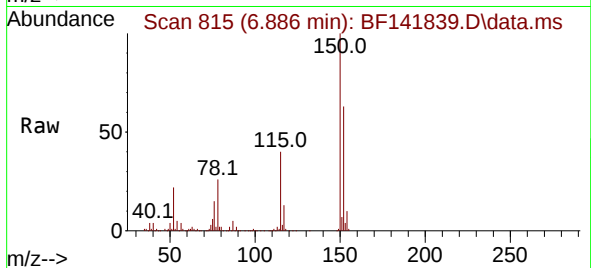
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141839.D
Acq: 05 Mar 2025 12:15

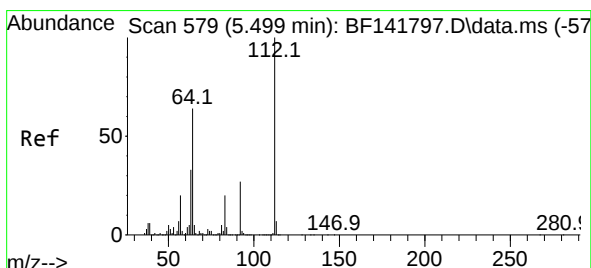
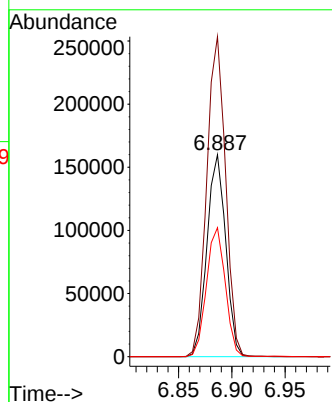
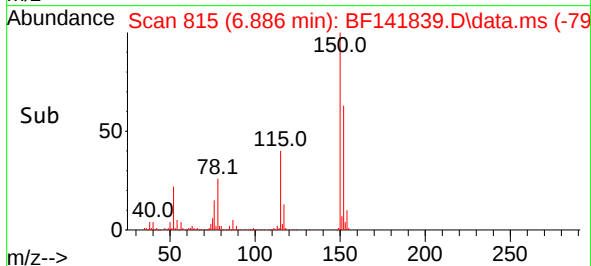
Instrument :
BNA_F
ClientSampleId :
TP-1DL



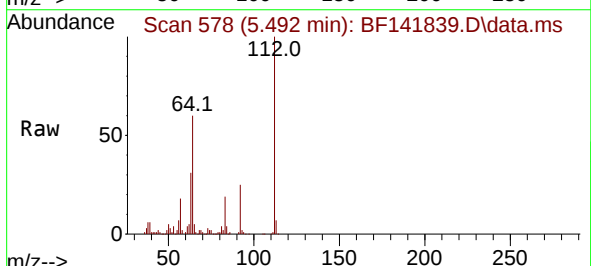
Tgt Ion:152 Resp: 19580
Ion Ratio Lower Upper
152 100
150 158.5 127.5 191.3
115 63.9 51.4 77.2

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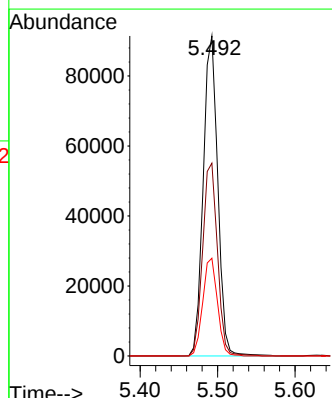
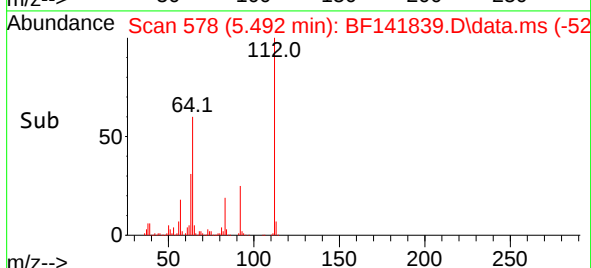
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025

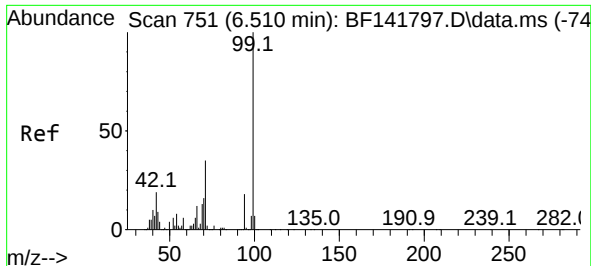


#5
2-Fluorophenol
Concen: 9.706 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF141839.D
Acq: 05 Mar 2025 12:15



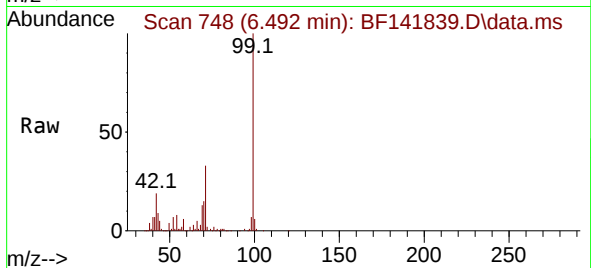
Tgt Ion:112 Resp: 118998
Ion Ratio Lower Upper
112 100
64 60.3 51.3 76.9
63 30.5 26.2 39.4





#7
Phenol-d6
Concen: 9.404 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF141839.D
Acq: 05 Mar 2025 12:15

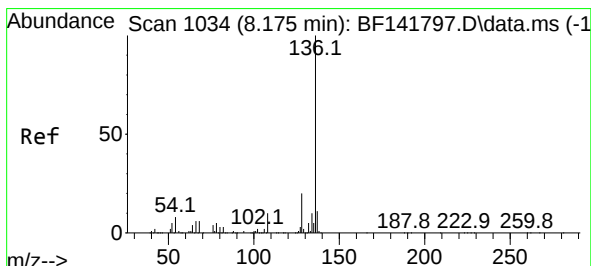
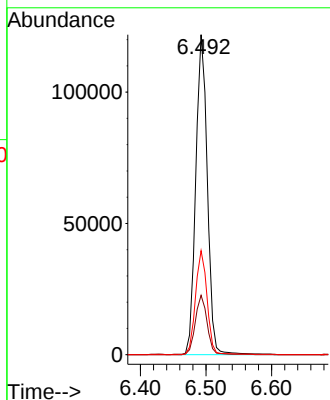
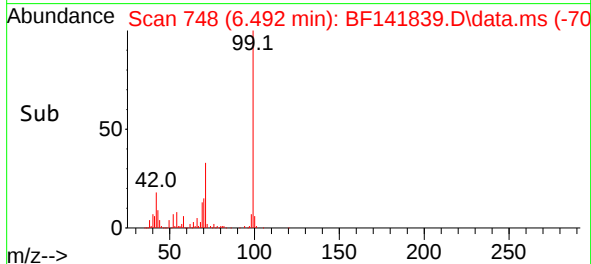
Instrument :
BNA_F
ClientSampleId :
TP-1DL



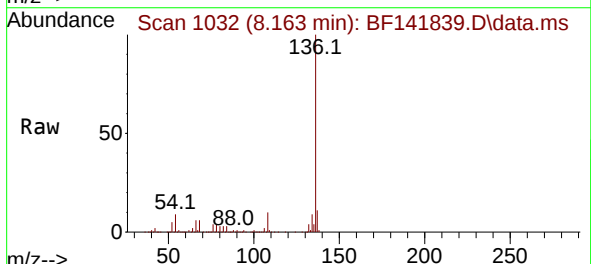
Tgt Ion: 99 Resp: 150070
Ion Ratio Lower Upper
99 100
42 18.6 15.2 22.8
71 32.5 28.2 42.2

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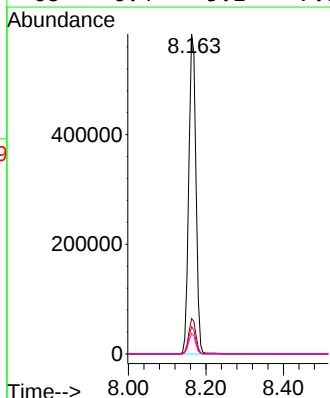
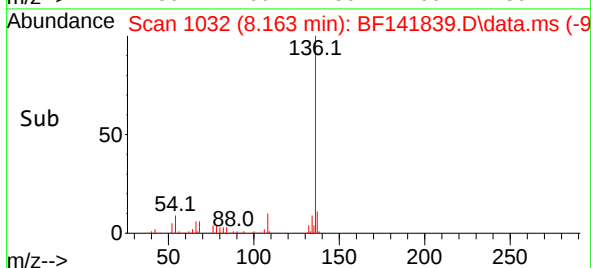
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025

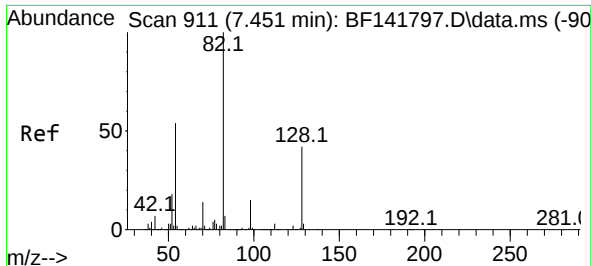


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141839.D
Acq: 05 Mar 2025 12:15



Tgt Ion:136 Resp: 748972
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.5 6.9 10.3
68 6.4 5.1 7.7





#23

Nitrobenzene-d5

Concen: 7.353 ng

RT: 7.439 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF141839.D

Acq: 05 Mar 2025 12:15

Instrument :

BNA_F

ClientSampleId :

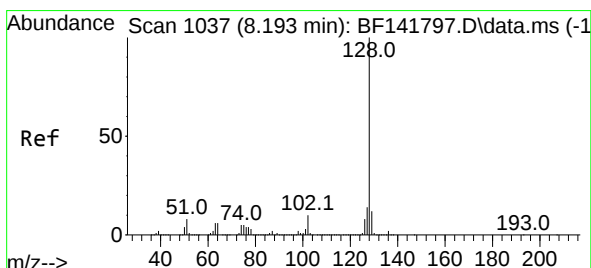
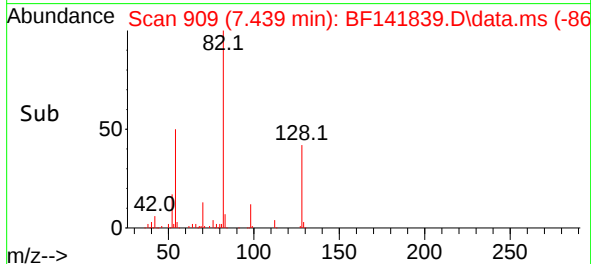
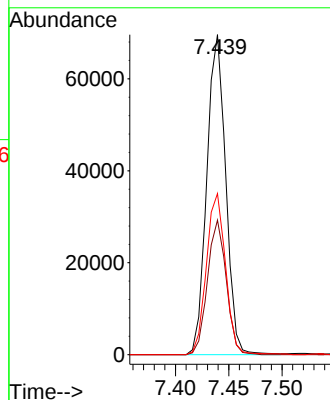
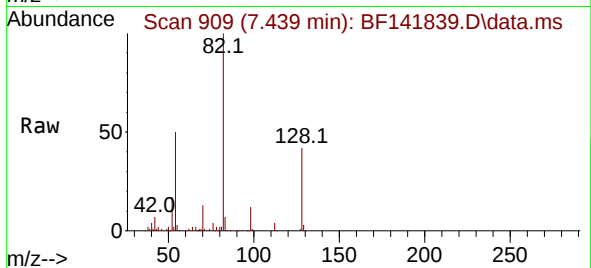
TP-1DL

Tgt Ion: 82	Resp: 8616
Ion Ratio	Lower Upper
82 100	
128 42.1	33.5 50.3
54 50.4	42.7 64.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/06/2025



#31

Naphthalene

Concen: 2.016 ng

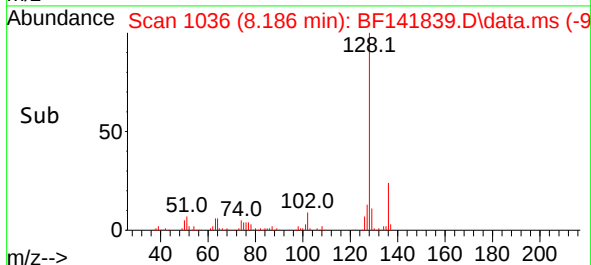
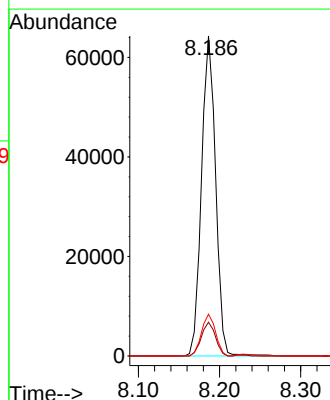
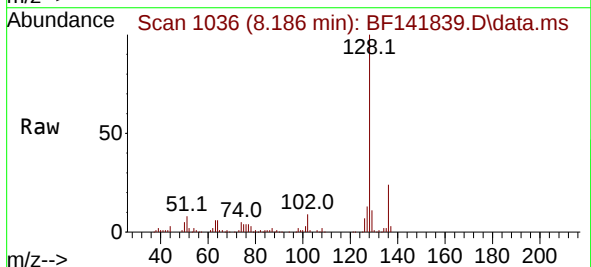
RT: 8.186 min Scan# 1036

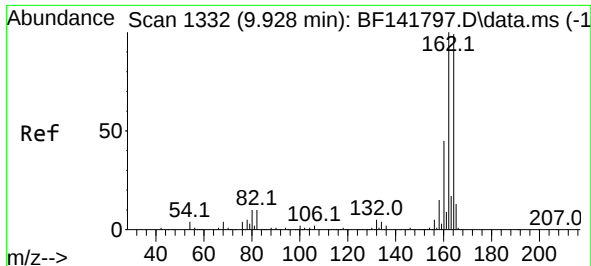
Delta R.T. -0.006 min

Lab File: BF141839.D

Acq: 05 Mar 2025 12:15

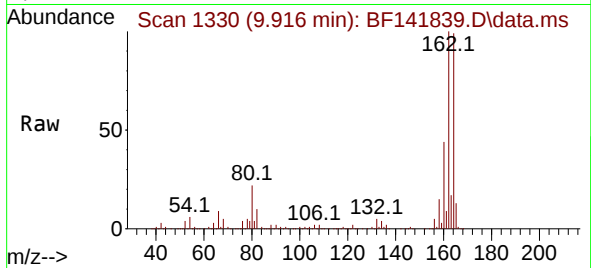
Tgt Ion:128	Resp: 77588
Ion Ratio	Lower Upper
128 100	
129 10.6	9.2 13.8
127 13.0	11.0 16.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141839.D
Acq: 05 Mar 2025 12:15

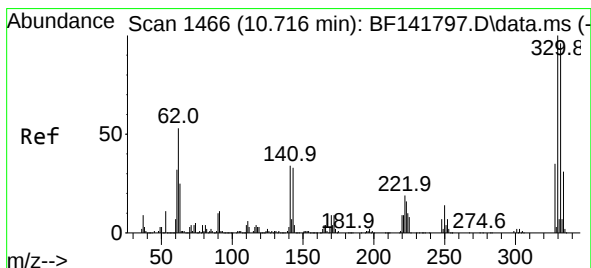
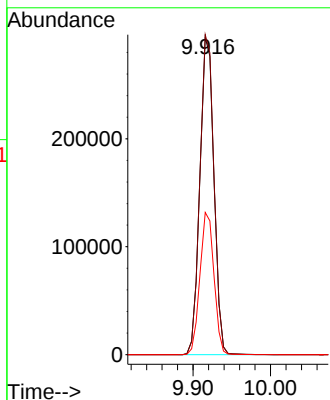
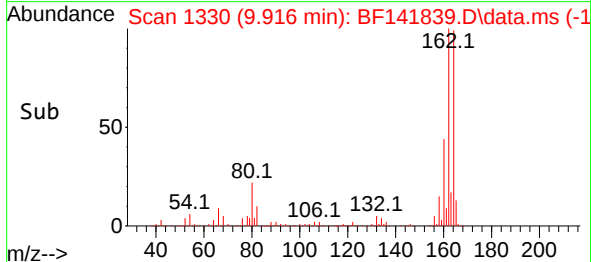
Instrument :
BNA_F
ClientSampleId :
TP-1DL



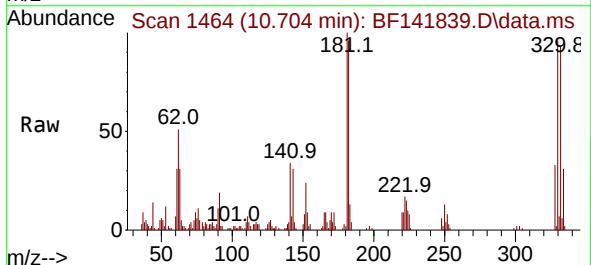
Tgt Ion:164 Resp: 370574
Ion Ratio Lower Upper
164 100
162 100.9 80.6 120.8
160 44.8 36.3 54.5

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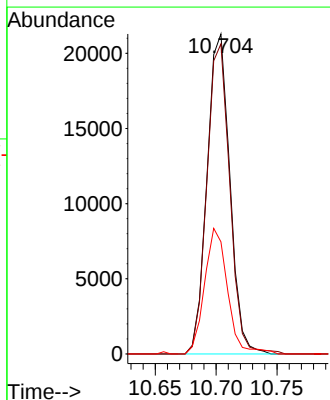
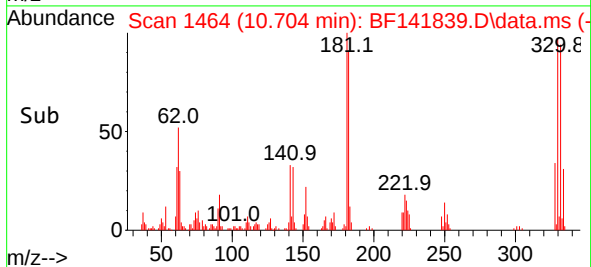
Reviewed By :Anahy Claudio 03/06/2025
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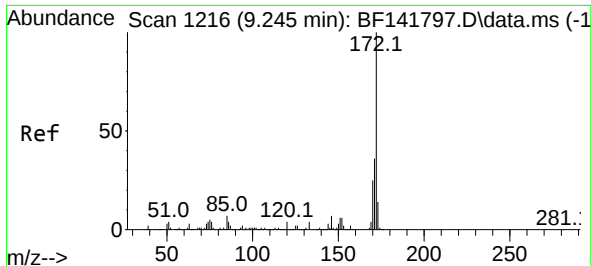


#42
2,4,6-Tribromophenol
Concen: 7.976 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.012 min
Lab File: BF141839.D
Acq: 05 Mar 2025 12:15



Tgt Ion:330 Resp: 27749
Ion Ratio Lower Upper
330 100
332 97.0 76.6 115.0
141 39.5 29.0 43.4





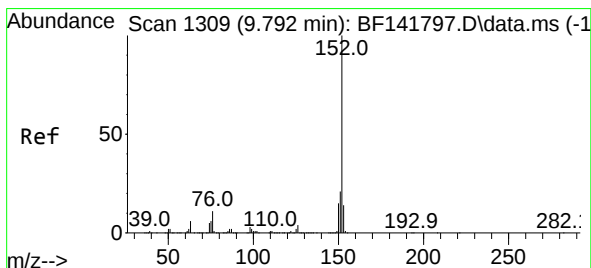
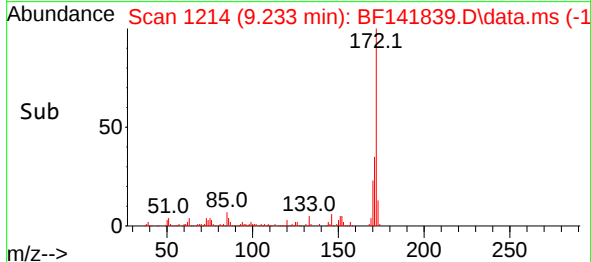
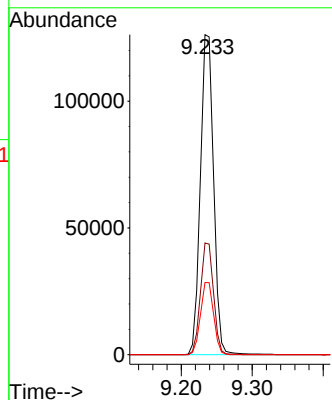
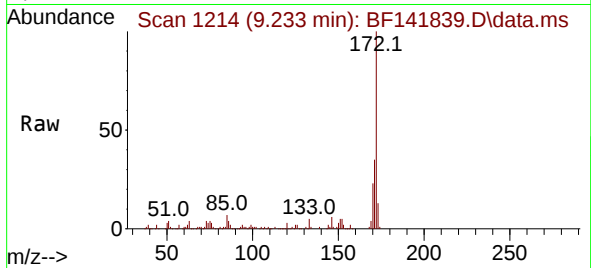
#45
2-Fluorobiphenyl
Concen: 7.097 ng
RT: 9.233 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141839.D
Acq: 05 Mar 2025 12:15

Instrument :
BNA_F
ClientSampleId :
TP-1DL

Tgt Ion:172 Resp: 16402
Ion Ratio Lower Upper
172 100
171 34.9 29.2 43.8
170 22.6 19.7 29.5

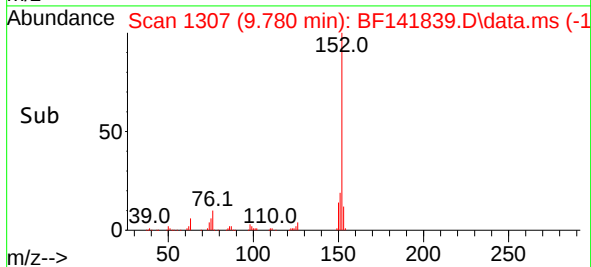
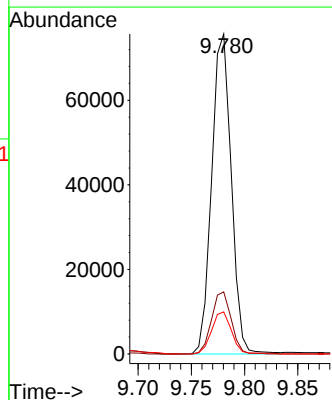
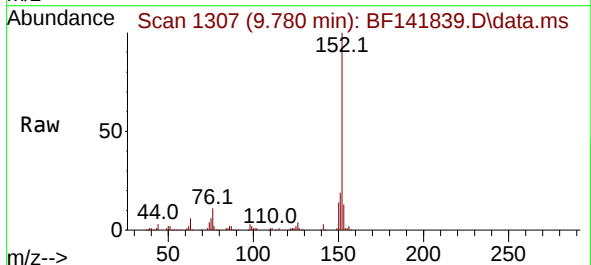
Manual Integrations
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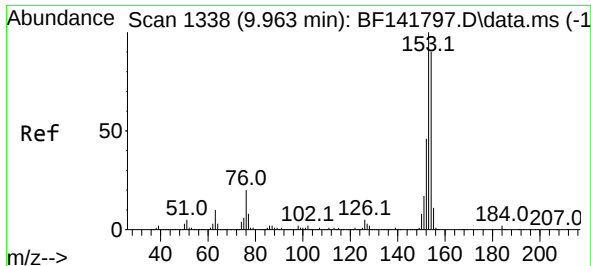
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#49
Acenaphthylene
Concen: 3.097 ng
RT: 9.780 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF141839.D
Acq: 05 Mar 2025 12:15

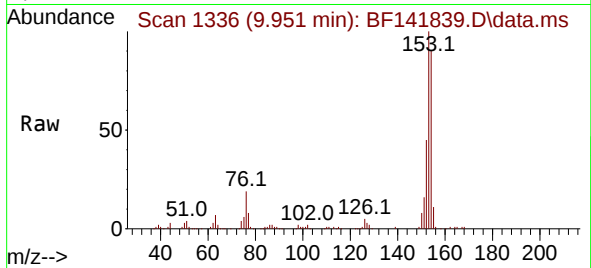
Tgt Ion:152 Resp: 96683
Ion Ratio Lower Upper
152 100
151 19.4 16.6 24.8
153 13.2 11.2 16.8





#52
Acenaphthene
Concen: 4.056 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF141839.D
Acq: 05 Mar 2025 12:15

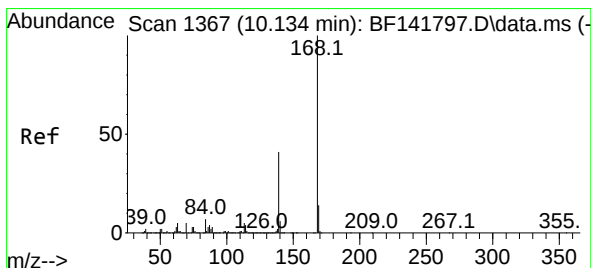
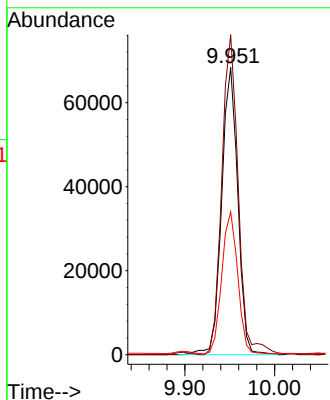
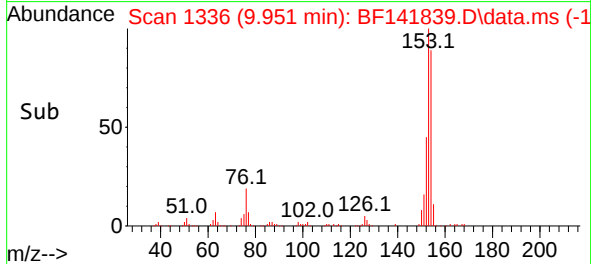
Instrument :
BNA_F
ClientSampleId :
TP-1DL



Tgt Ion:154 Resp: 8542
Ion Ratio Lower Upper
154 100
153 111.4 88.7 133.1
152 49.7 40.9 61.3

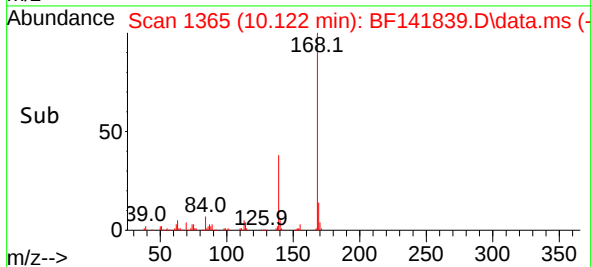
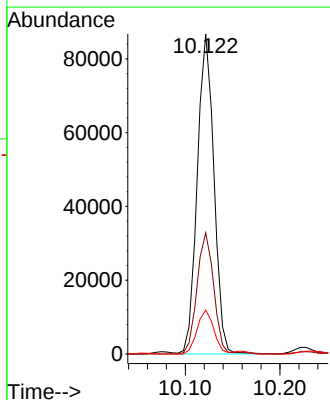
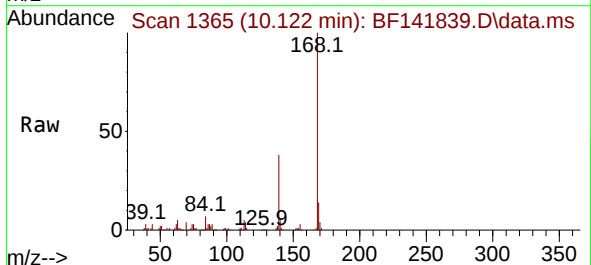
Manual Integrations
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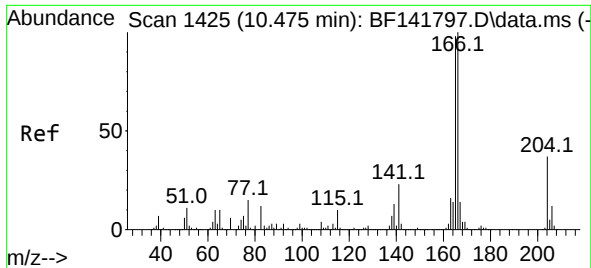
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#55
Dibenzofuran
Concen: 3.460 ng
RT: 10.122 min Scan# 1365
Delta R.T. -0.012 min
Lab File: BF141839.D
Acq: 05 Mar 2025 12:15

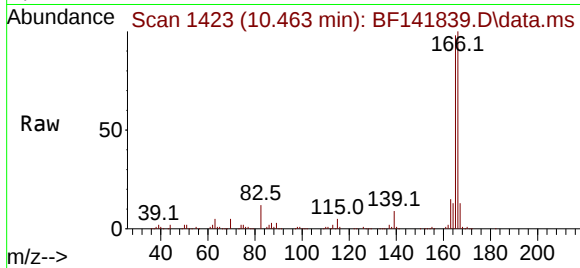
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Ion Ratio Lower Upper
168 100
139 37.9 32.9 49.3
169 13.7 11.1 16.7





#58
Fluorene
Concen: 7.626 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.012 min
Lab File: BF141839.D
Acq: 05 Mar 2025 12:15

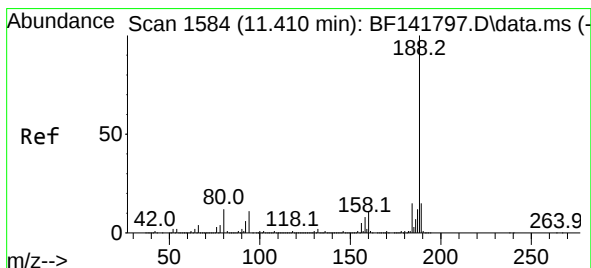
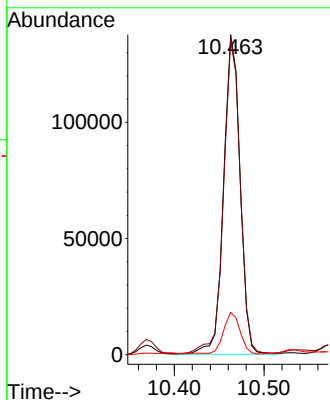
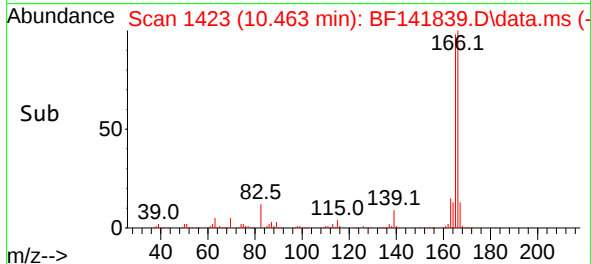
Instrument :
BNA_F
ClientSampleId :
TP-1DL



Tgt Ion:166 Resp: 175119
Ion Ratio Lower Upper
166 100
165 98.1 78.6 117.8
167 13.2 11.0 16.4

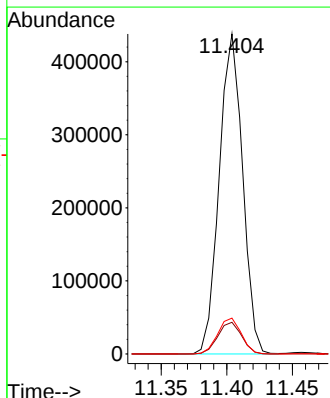
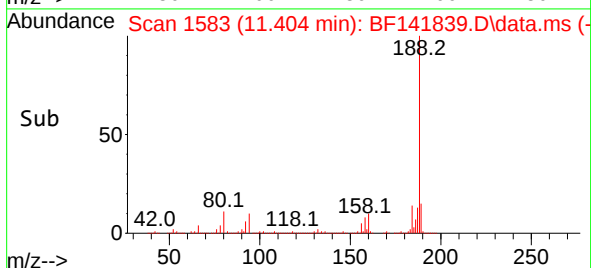
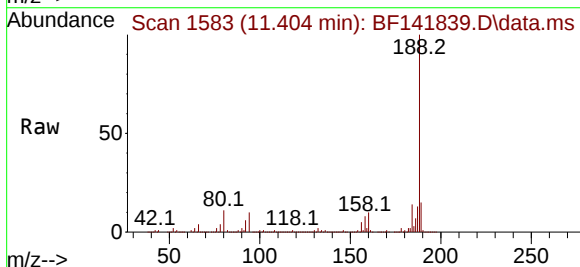
Manual Integrations
APPROVED

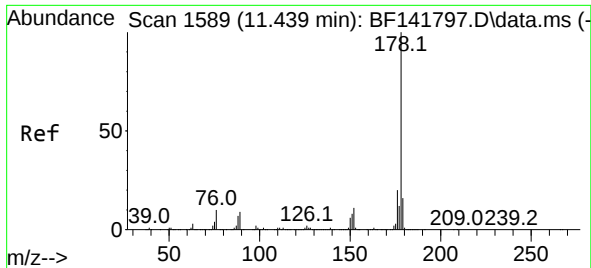
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141839.D
Acq: 05 Mar 2025 12:15

Tgt Ion:188 Resp: 542454
Ion Ratio Lower Upper
188 100
94 9.9 8.9 13.3
80 11.2 9.7 14.5





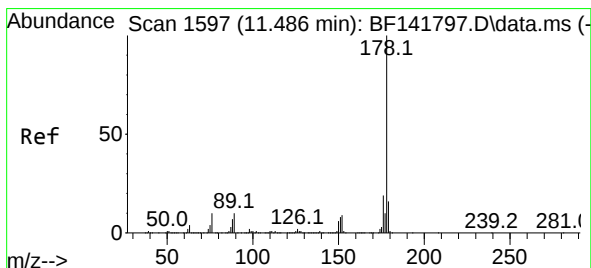
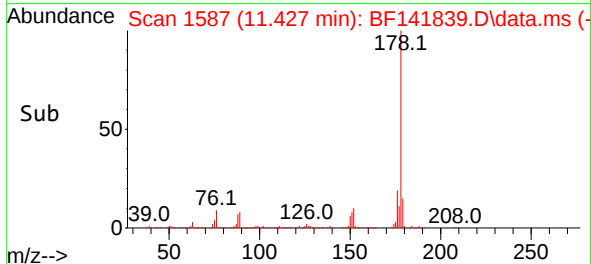
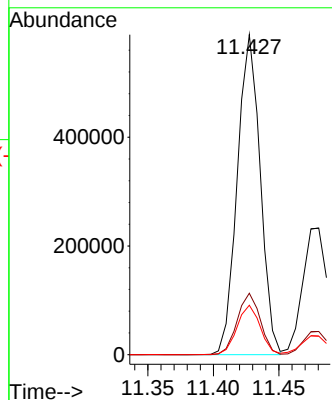
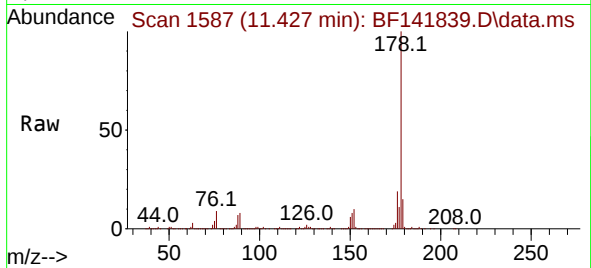
#71
Phenanthrene
Concen: 24.731 ng
RT: 11.427 min Scan# 1589
Delta R.T. -0.012 min
Lab File: BF141839.D
Acq: 05 Mar 2025 12:15

Instrument :
BNA_F
ClientSampleId :
TP-1DL

Tgt Ion:178 Resp: 717588
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.4 12.6 19.0

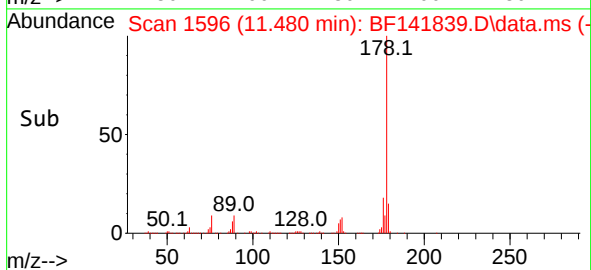
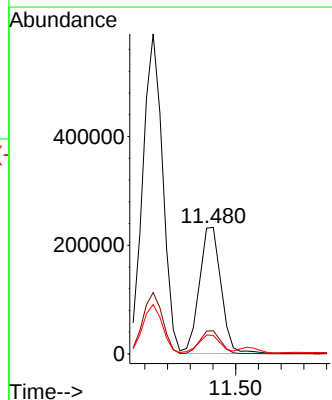
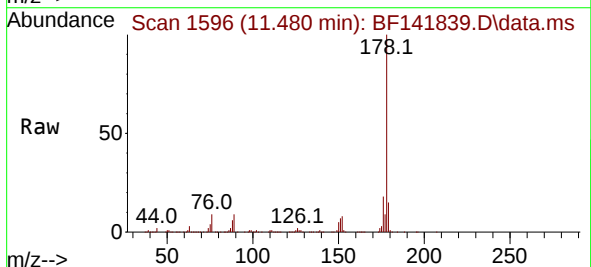
Manual Integrations
APPROVED

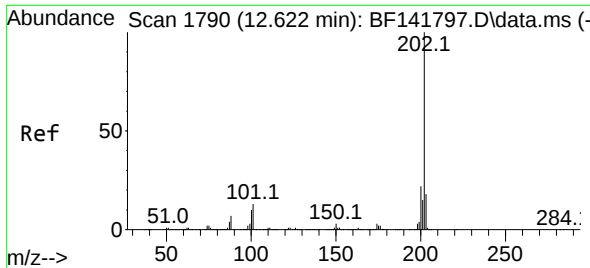
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#72
Anthracene
Concen: 10.595 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF141839.D
Acq: 05 Mar 2025 12:15

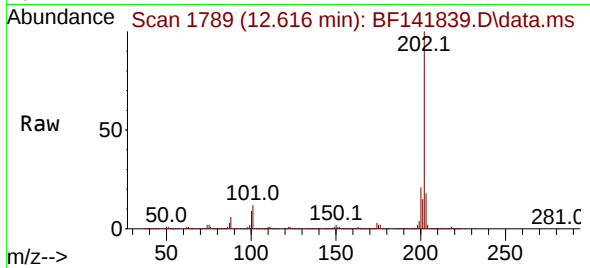
Tgt Ion:178 Resp: 308116
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 14.7 12.8 19.2





#75
Fluoranthene
Concen: 43.478 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF141839.D
Acq: 05 Mar 2025 12:15

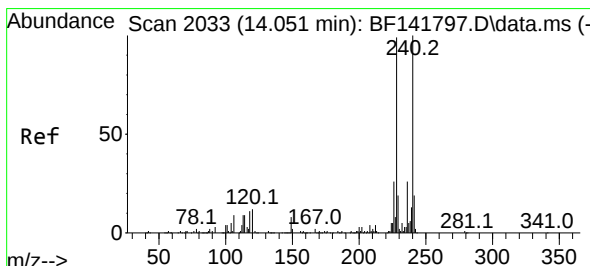
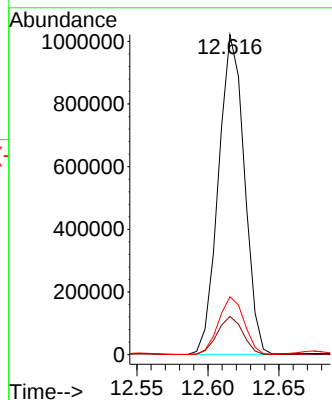
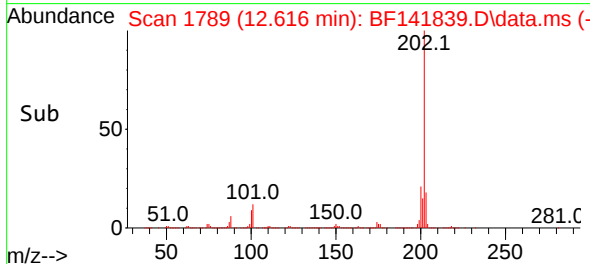
Instrument :
BNA_F
ClientSampleId :
TP-1DL



Tgt Ion:202 Resp: 129267
Ion Ratio Lower Upper
202 100
101 11.9 0.0 32.8
203 18.1 0.0 38.0

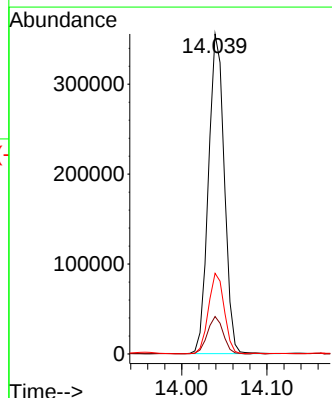
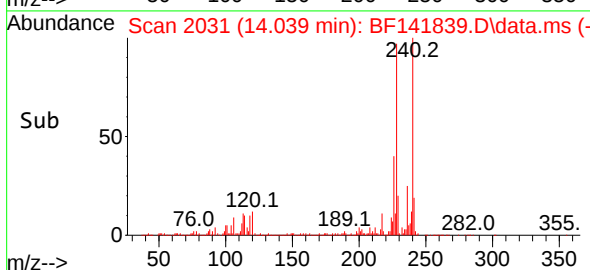
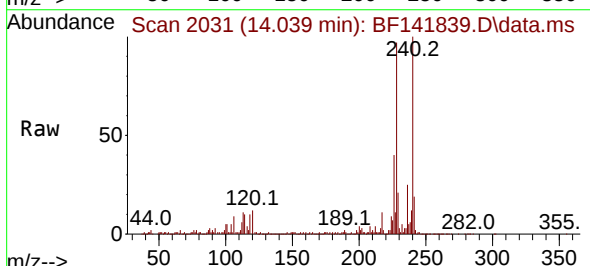
Manual Integrations
APPROVED

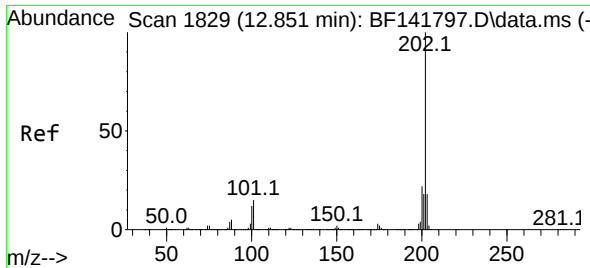
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141839.D
Acq: 05 Mar 2025 12:15

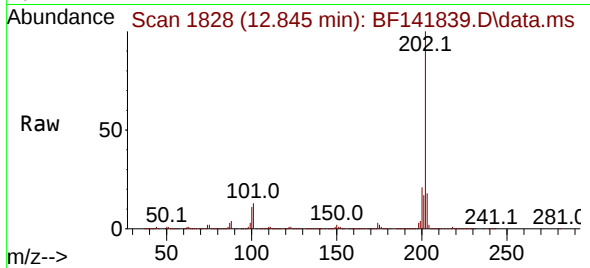
Tgt Ion:240 Resp: 459293
Ion Ratio Lower Upper
240 100
120 11.7 9.7 14.5
236 25.2 21.0 31.4





#78
Pyrene
Concen: 26.395 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF141839.D
Acq: 05 Mar 2025 12:15

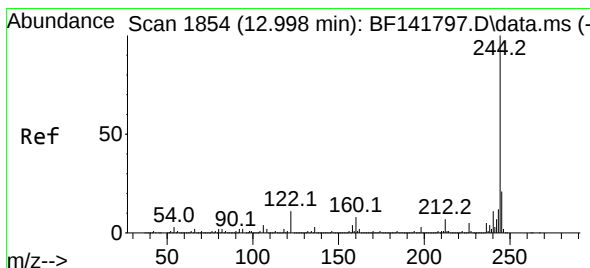
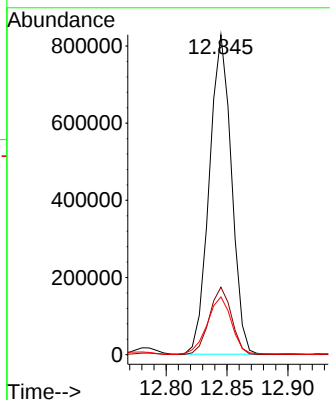
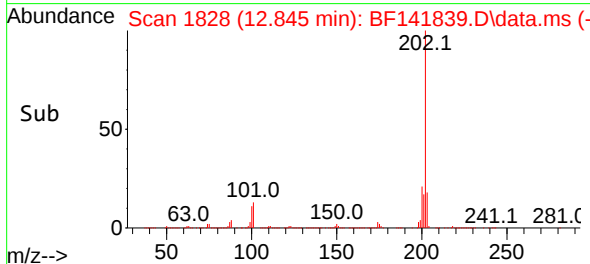
Instrument :
BNA_F
ClientSampleId :
TP-1DL



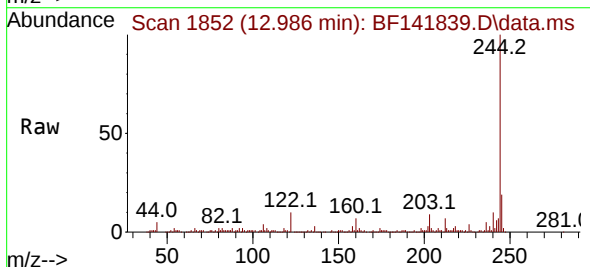
Tgt Ion:202 Resp: 104979
Ion Ratio Lower Upper
202 100
200 21.1 17.4 26.0
203 18.1 14.6 22.0

Manual Integrations
APPROVED

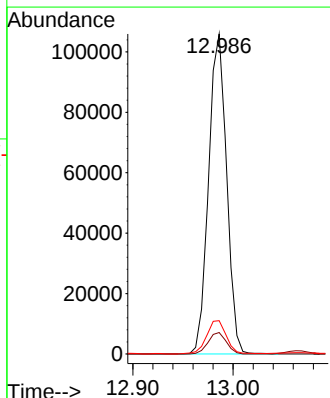
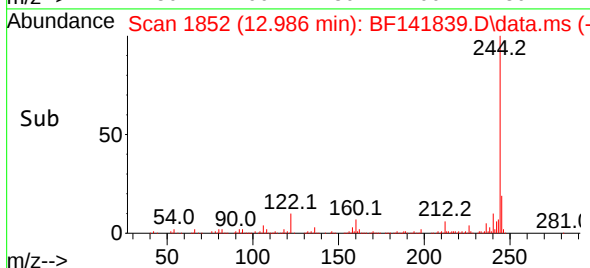
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025

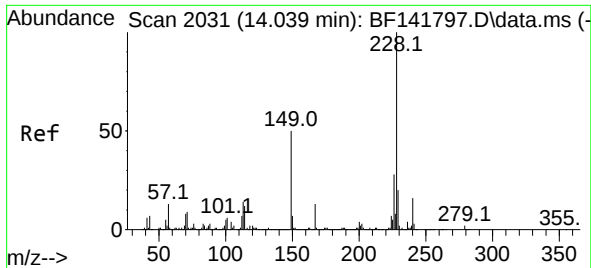


#79
Terphenyl-d14
Concen: 4.668 ng
RT: 12.986 min Scan# 1852
Delta R.T. -0.012 min
Lab File: BF141839.D
Acq: 05 Mar 2025 12:15



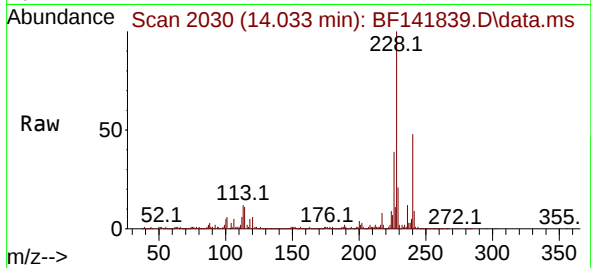
Tgt Ion:244 Resp: 132515
Ion Ratio Lower Upper
244 100
212 6.7 6.0 9.0
122 10.4 9.0 13.6





#81
Benzo(a)anthracene
Concen: 26.161 ng m
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF141839.D
Acq: 05 Mar 2025 12:15

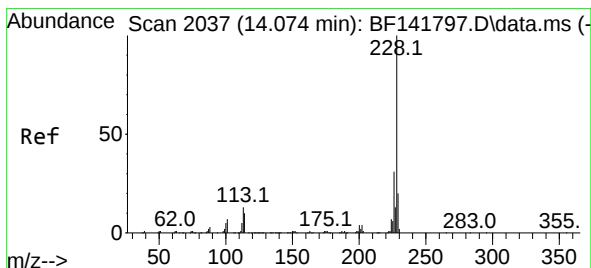
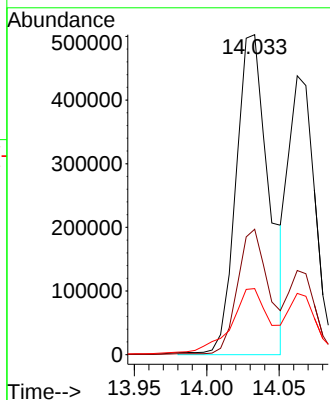
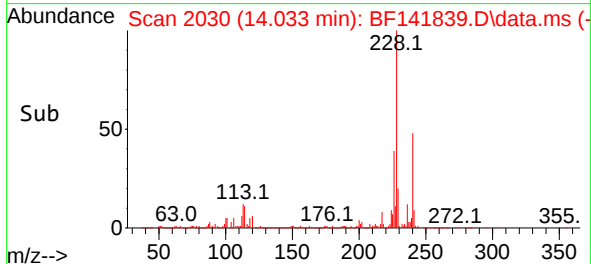
Instrument :
BNA_F
ClientSampleId :
TP-1DL



Tgt Ion:228 Resp: 79363
Ion Ratio Lower Upper
228 100
226 39.2 22.1 33.1
229 20.6 16.1 24.1

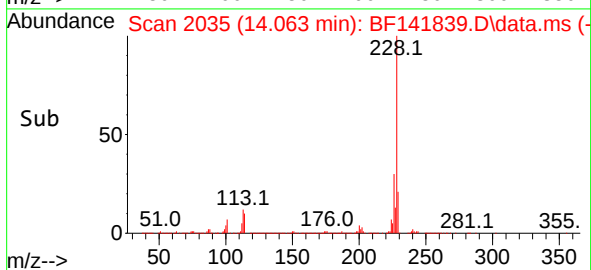
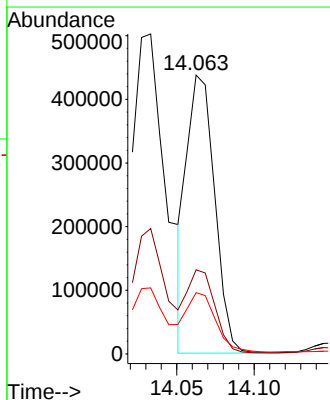
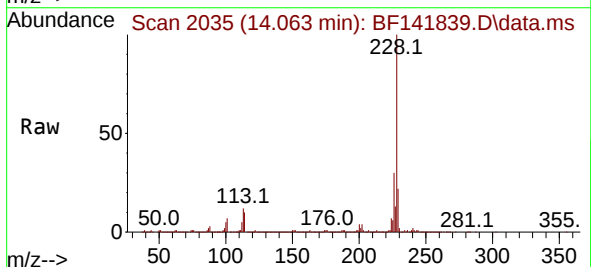
Manual Integrations
APPROVED

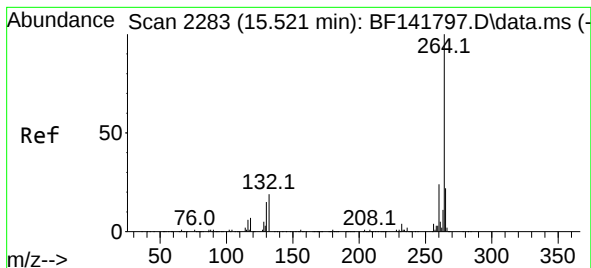
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#83
Chrysene
Concen: 19.577 ng
RT: 14.063 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF141839.D
Acq: 05 Mar 2025 12:15

Tgt Ion:228 Resp: 547469
Ion Ratio Lower Upper
228 100
226 30.2 24.6 37.0
229 22.0 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141839.D

Acq: 05 Mar 2025 12:15

Instrument :

BNA_F

ClientSampleId :

TP-1DL

Tgt Ion:264 Resp: 49284

Ion Ratio Lower Upper

264 100

260 23.9 18.9 28.3

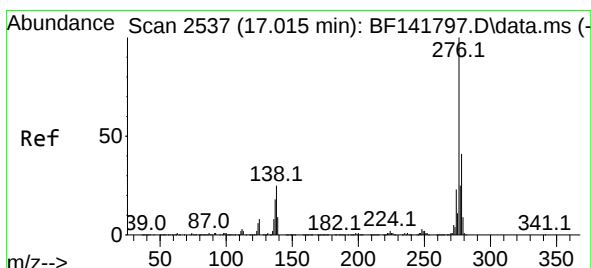
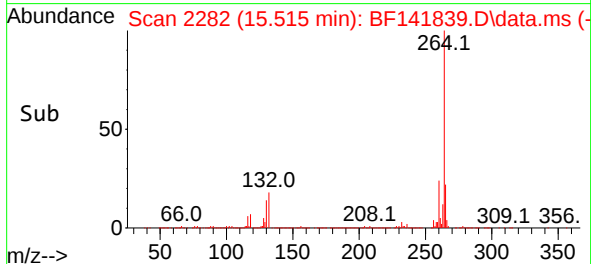
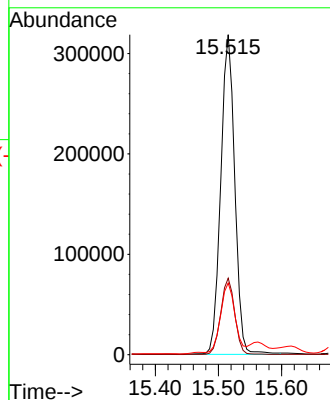
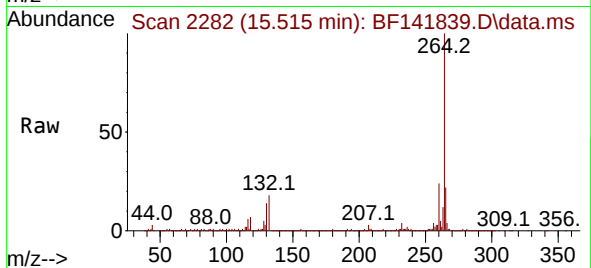
265 22.4 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/06/2025

Supervised By :Jagrut Upadhyay 03/06/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.724 ng

RT: 16.992 min Scan# 2533

Delta R.T. -0.024 min

Lab File: BF141839.D

Acq: 05 Mar 2025 12:15

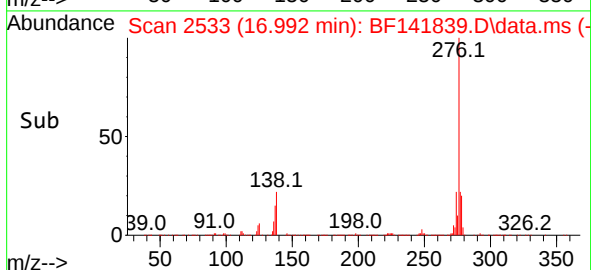
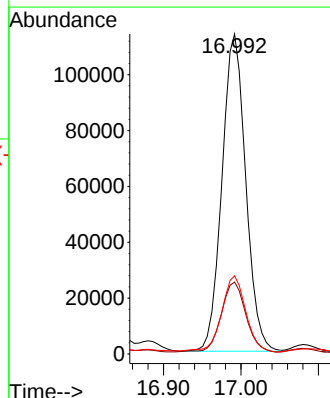
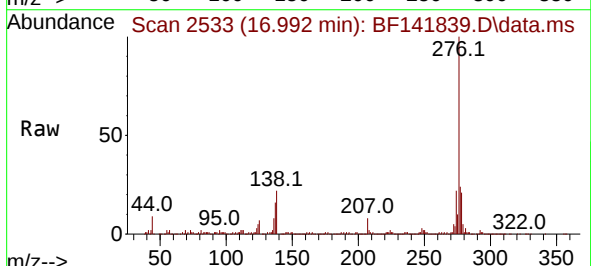
Tgt Ion:276 Resp: 242413

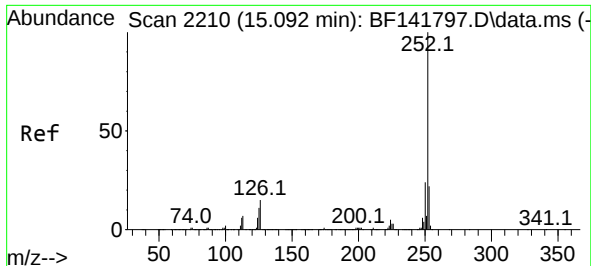
Ion Ratio Lower Upper

276 100

138 22.8 22.5 33.7

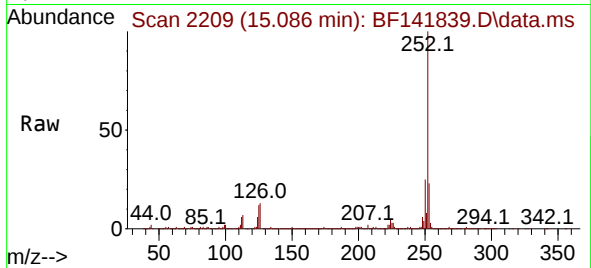
277 24.4 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 23.024 ng m
RT: 15.086 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF141839.D
Acq: 05 Mar 2025 12:15

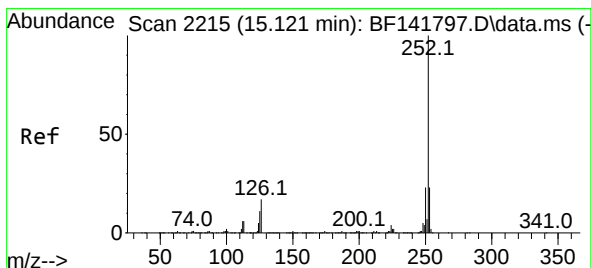
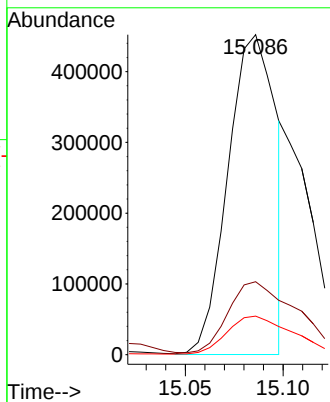
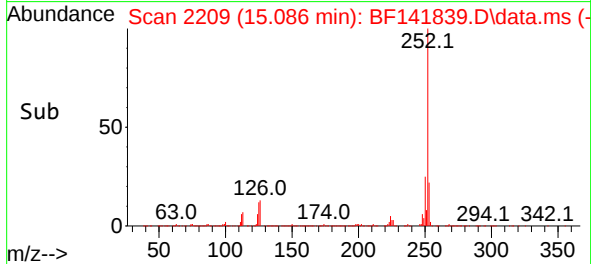
Instrument :
BNA_F
ClientSampleId :
TP-1DL



Tgt Ion:252 Resp: 77296
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 12.0 8.6 13.0

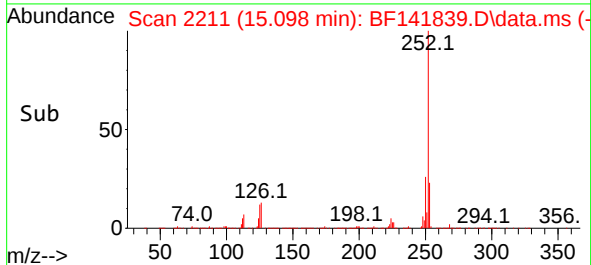
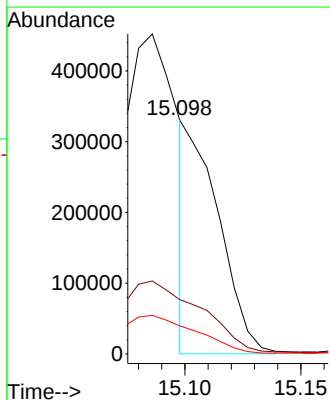
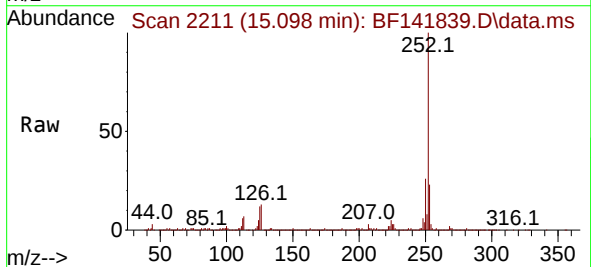
Manual Integrations
APPROVED

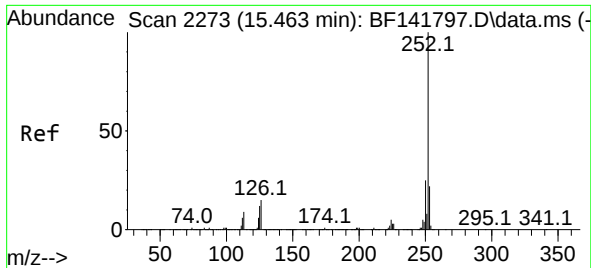
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#89
Benzo(k)fluoranthene
Concen: 10.955 ng m
RT: 15.098 min Scan# 2211
Delta R.T. -0.024 min
Lab File: BF141839.D
Acq: 05 Mar 2025 12:15

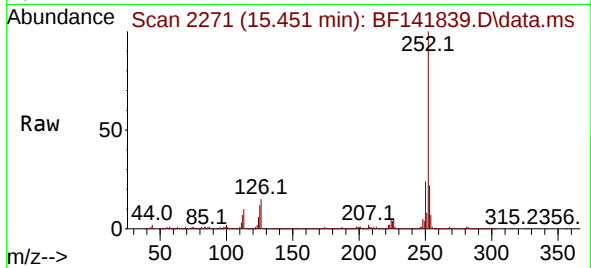
Tgt Ion:252 Resp: 312588
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 12.0 8.8 13.2





#90
Benzo(a)pyrene
Concen: 21.590 ng
RT: 15.451 min Scan# 21535
Delta R.T. -0.012 min
Lab File: BF141839.D
Acq: 05 Mar 2025 12:15

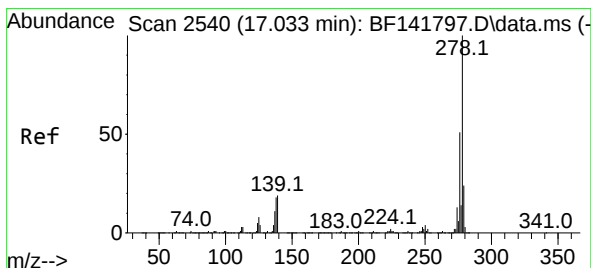
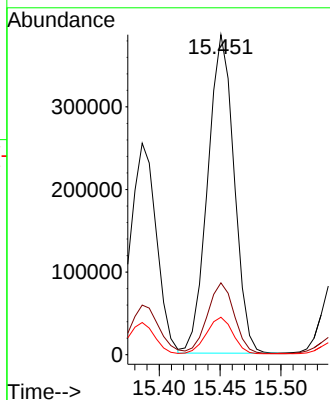
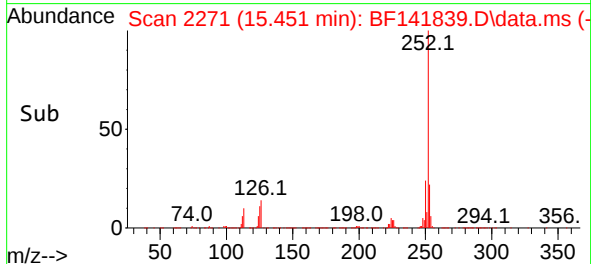
Instrument :
BNA_F
ClientSampleId :
TP-1DL



Tgt Ion:252 Resp: 581280
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 11.7 9.4 14.2

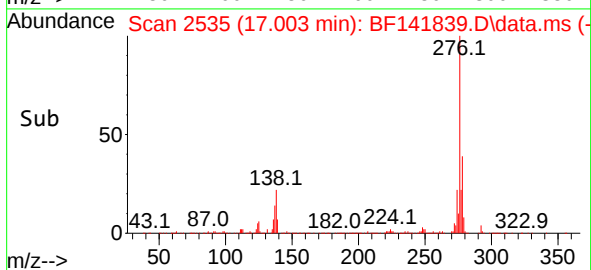
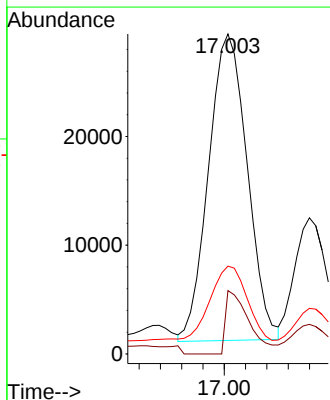
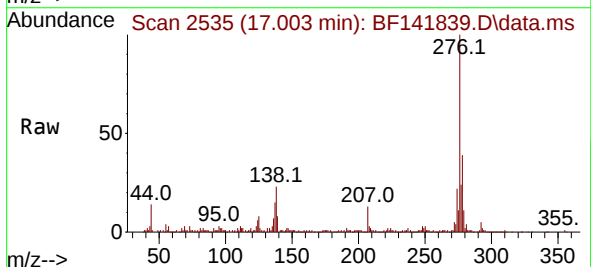
Manual Integrations
APPROVED

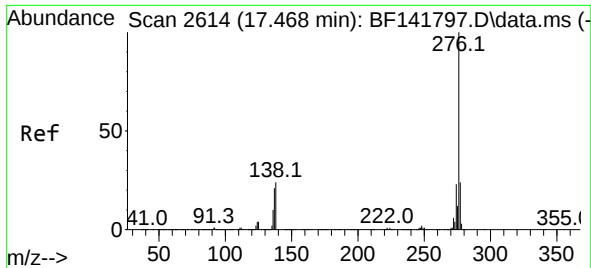
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#91
Dibenzo(a,h)anthracene
Concen: 2.773 ng
RT: 17.003 min Scan# 2535
Delta R.T. -0.030 min
Lab File: BF141839.D
Acq: 05 Mar 2025 12:15

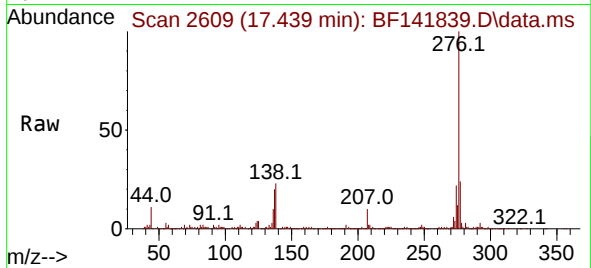
Tgt Ion:278 Resp: 71041
Ion Ratio Lower Upper
278 100
139 19.8 14.9 22.3
279 27.5 19.3 28.9





#92
Benzo(g,h,i)perylene
Concen: 7.662 ng
RT: 17.439 min Scan# 20107
Delta R.T. -0.030 min
Lab File: BF141839.D
Acq: 05 Mar 2025 12:15

Instrument :
BNA_F
ClientSampleId :
TP-1DL



Tgt Ion:276 Resp: 20107
Ion Ratio Lower Upper
276 100
277 24.0 19.4 29.0
138 23.0 19.3 28.9

Manual Integrations
APPROVED

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

