

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
 Data File : BF142146.D
 Acq On : 28 Mar 2025 01:37
 Operator : RC/JU
 Sample : Q1635-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Manual Integrations
 APPROVED

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

Quant Time: Mar 28 03:57:12 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	159607	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	603178	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	287222	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	412202	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	307308	20.000	ng	0.00
86) Perylene-d12	15.509	264	239466	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	1007107	105.310	ng	0.00
7) Phenol-d6	6.492	99	1269404	104.253	ng	-0.01
23) Nitrobenzene-d5	7.434	82	825941	77.059	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	344559	94.561	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	1563842	82.804	ng	-0.01
79) Terphenyl-d14	12.980	244	1301338	62.607	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	46568	2.092	ng	97
75) Fluoranthene	12.604	202	187662	7.946	ng	99
78) Pyrene	12.833	202	162201	6.102	ng	98
81) Benzo(a)anthracene	14.021	228	101994	5.058	ng	97
83) Chrysene	14.057	228	80970	4.430	ng	97
88) Benzo(b)fluoranthene	15.074	252	82093m	5.002	ng	
89) Benzo(k)fluoranthene	15.092	252	30725m	2.188	ng	
90) Benzo(a)pyrene	15.445	252	56300	4.384	ng	# 91
92) Benzo(g,h,i)perylene	17.445	276	26628	2.108	ng	# 92

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

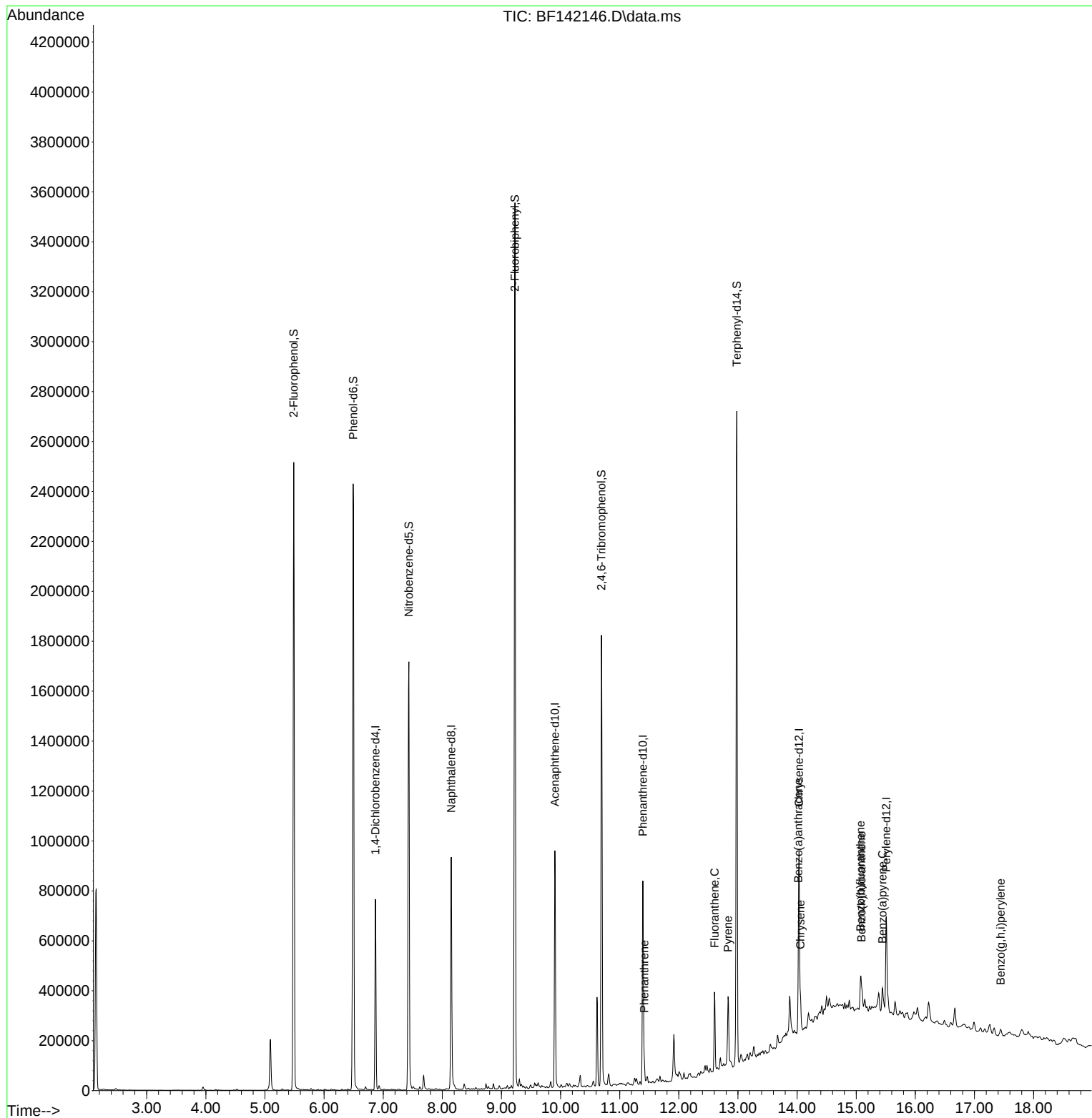
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
Data File : BF142146.D
Acq On : 28 Mar 2025 01:37
Operator : RC/JU
Sample : Q1635-01
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ALS Vial : 21 Sample Multiplier: 1

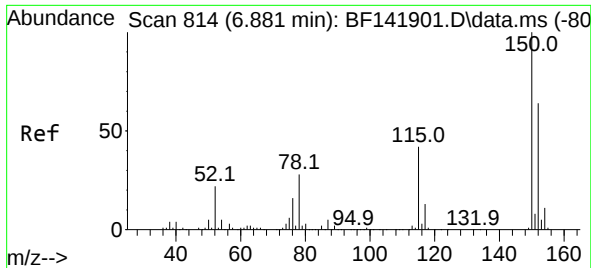
Instrument :
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Quant Time: Mar 28 03:57:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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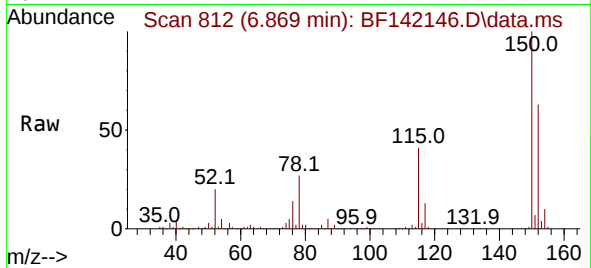
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

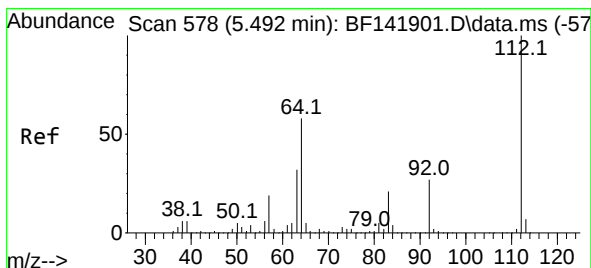
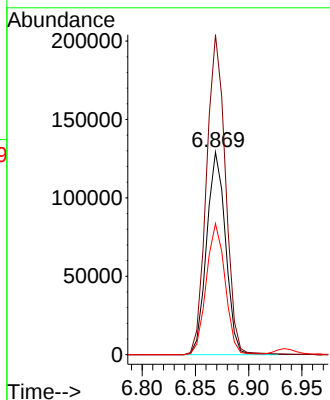
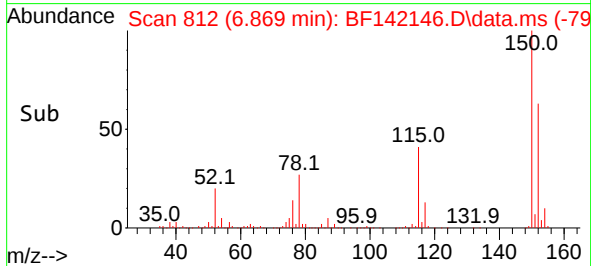
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion:152 Resp: 15960
Ion Ratio Lower Upper
152 100
150 158.0 127.4 191.2
115 64.7 51.9 77.9

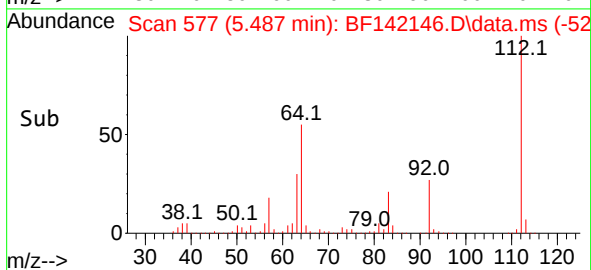
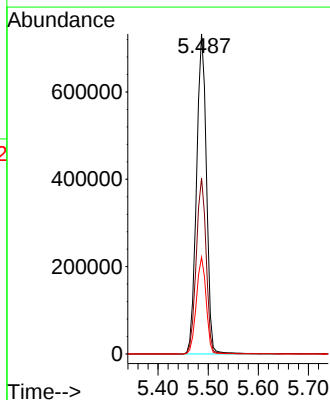
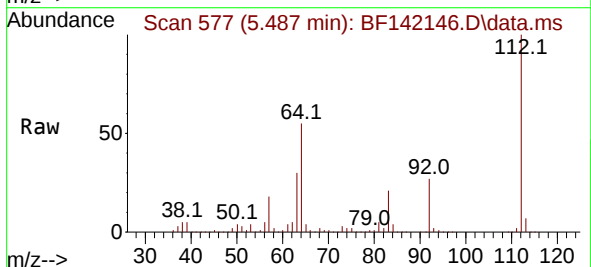
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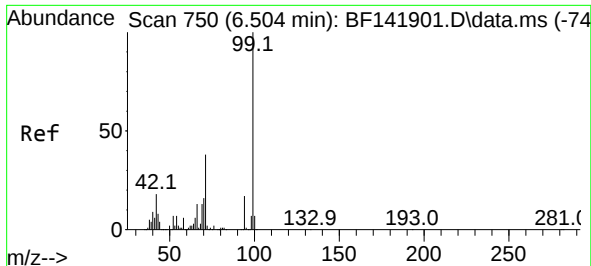
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Supervised By :Jagrut Upadhyay 04/01/2025



#5
2-Fluorophenol
Concen: 105.310 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

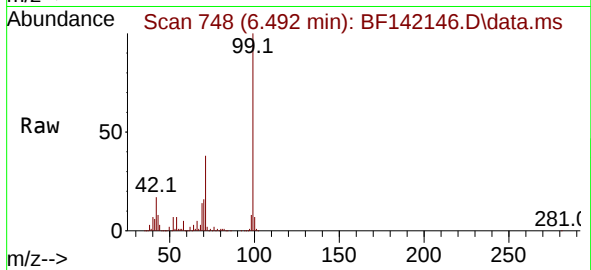
Tgt Ion:112 Resp: 1007107
Ion Ratio Lower Upper
112 100
64 55.0 46.5 69.7
63 30.2 25.4 38.2





#7
Phenol-d6
Concen: 104.253 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

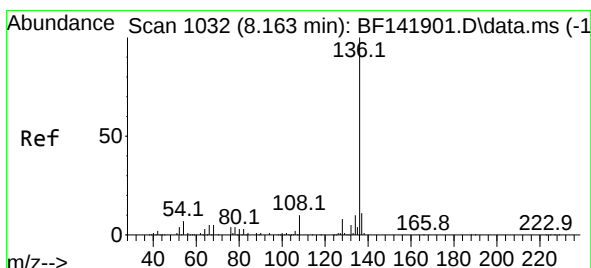
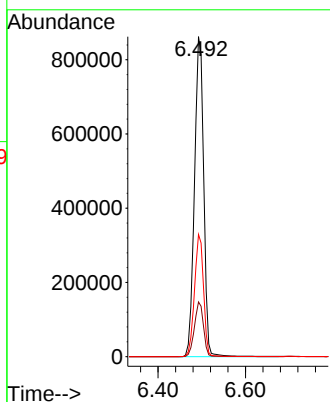
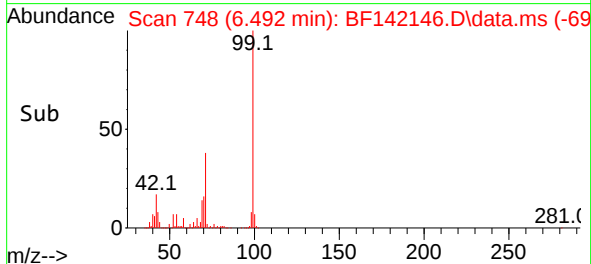
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion: 99 Resp: 1269404
Ion Ratio Lower Upper
99 100
42 17.1 14.6 21.8
71 38.2 30.8 46.2

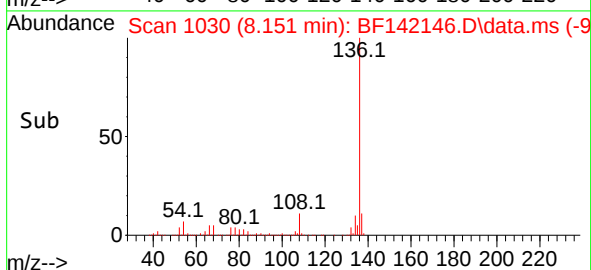
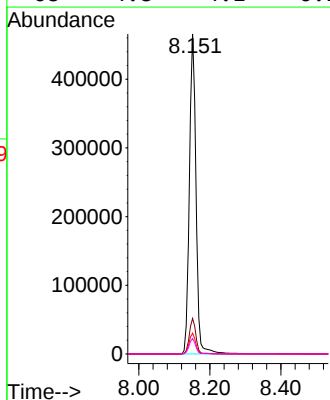
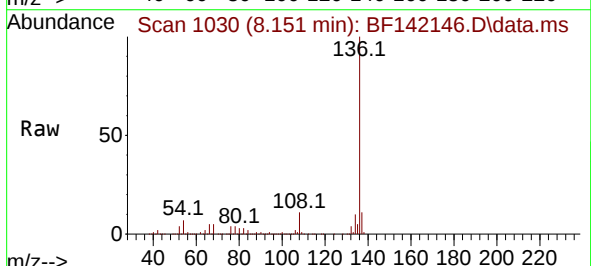
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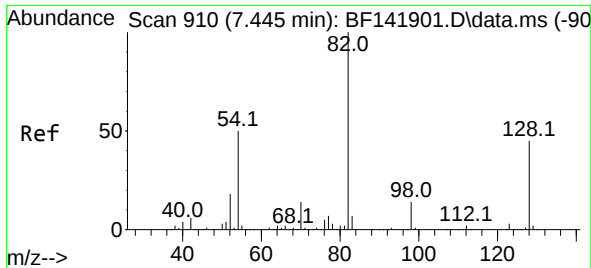
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

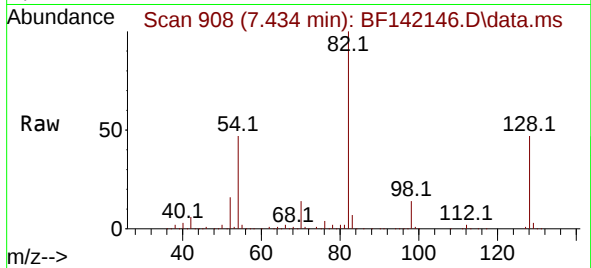
Tgt Ion:136 Resp: 603178
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.5 5.8 8.8
68 4.8 4.1 6.1





#23
Nitrobenzene-d5
Concen: 77.059 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

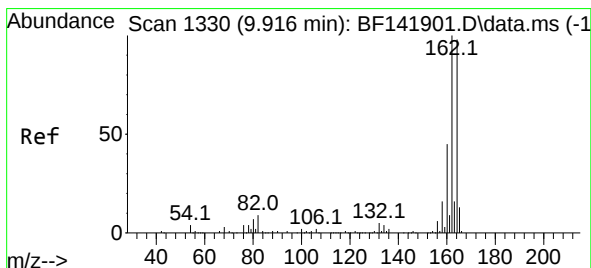
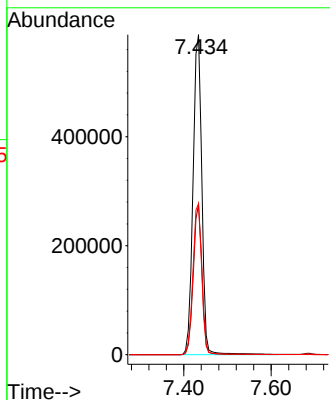
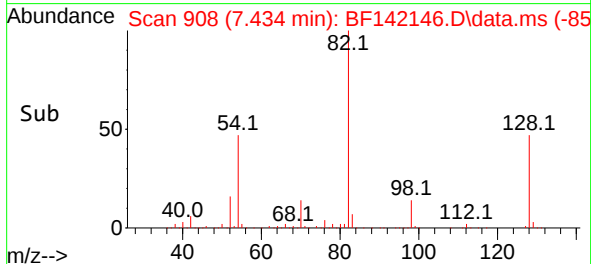
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion: 82 Resp: 82594
Ion Ratio Lower Upper
82 100
128 46.9 36.0 54.0
54 47.2 39.6 59.4

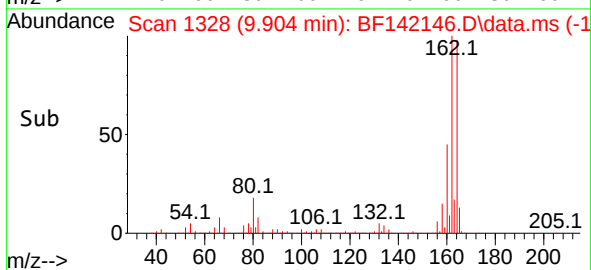
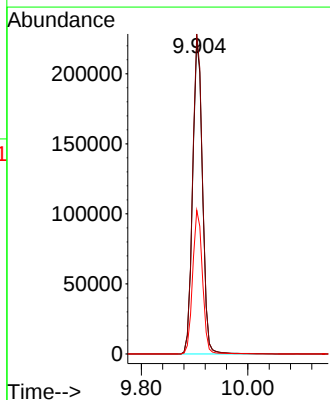
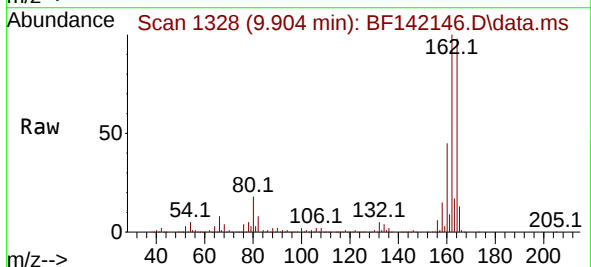
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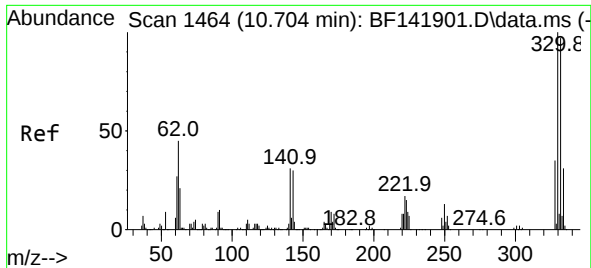
Reviewed By :Anahy Claudio 03/28/2025
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

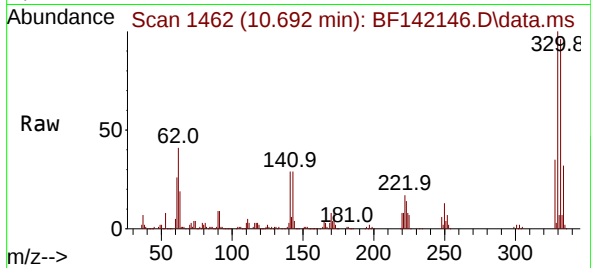
Tgt Ion:164 Resp: 287222
Ion Ratio Lower Upper
164 100
162 102.0 81.8 122.6
160 45.8 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 94.561 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

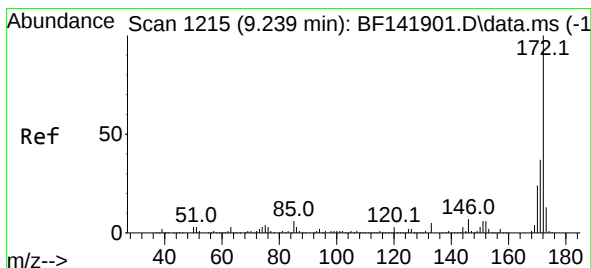
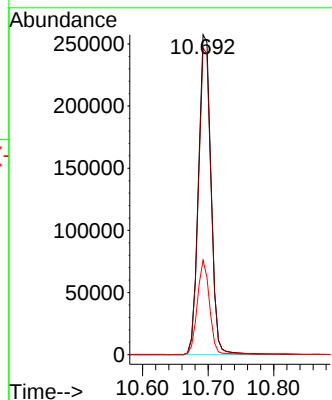
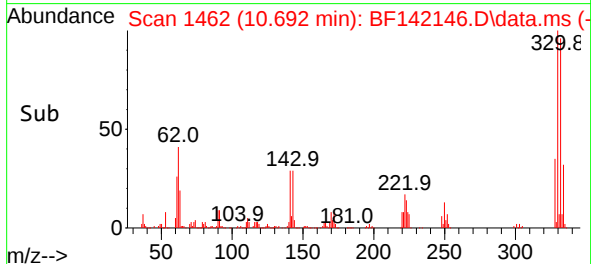
Instrument :
BNA_F
ClientSampleId :
TP-2



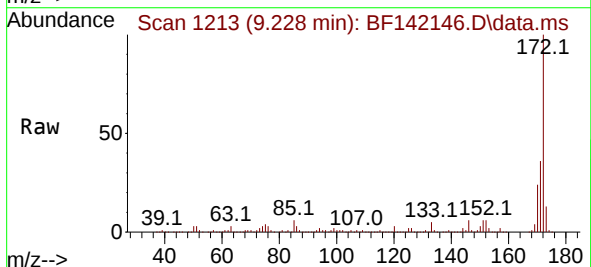
Tgt Ion: 330 Resp: 344559
Ion Ratio Lower Upper
330 100
332 96.8 77.6 116.4
141 28.3 24.7 37.1

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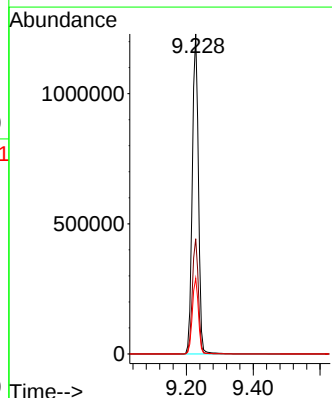
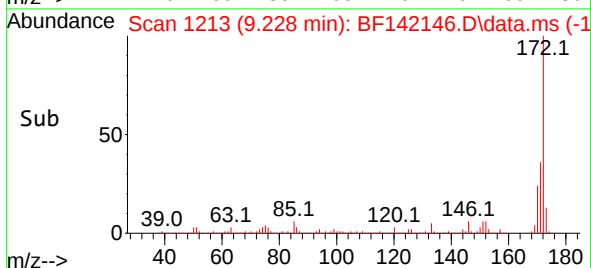
Reviewed By :Anahy Claudio 03/28/2025
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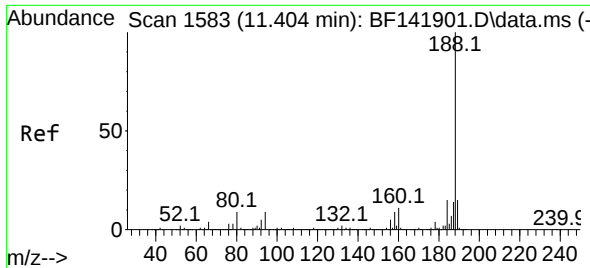


#45
2-Fluorobiphenyl
Concen: 82.804 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37



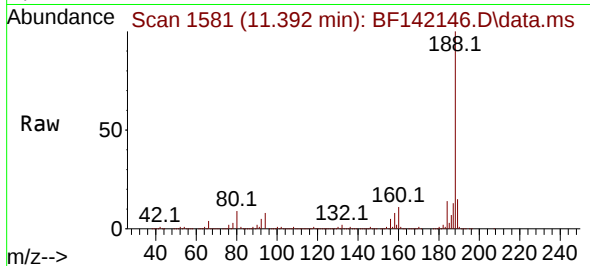
Tgt Ion: 172 Resp: 1563842
Ion Ratio Lower Upper
172 100
171 36.0 29.3 43.9
170 23.6 19.4 29.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

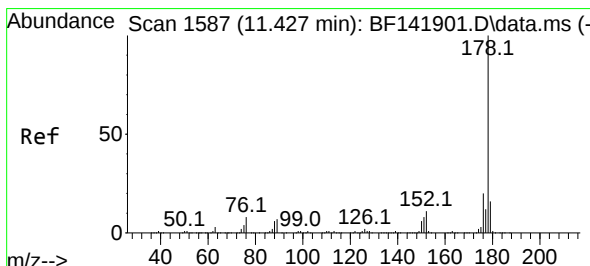
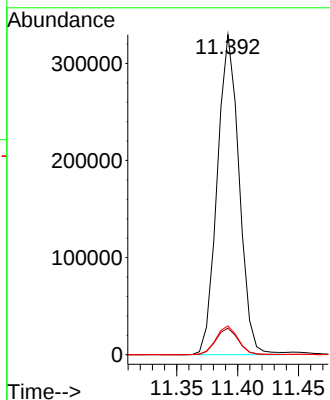
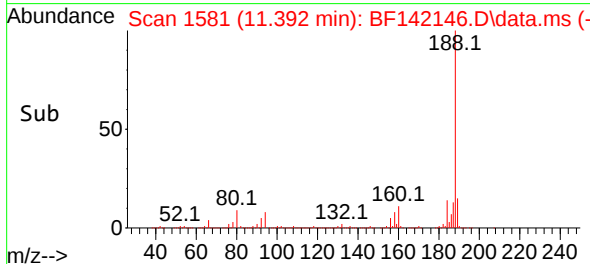
Instrument :
BNA_F
ClientSampleId :
TP-2



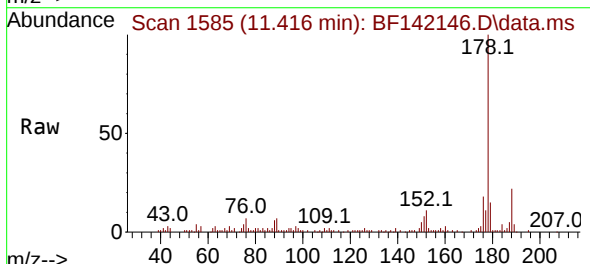
Tgt Ion:188 Resp: 41220
Ion Ratio Lower Upper
188 100
94 8.3 6.8 10.2
80 9.0 7.6 11.4

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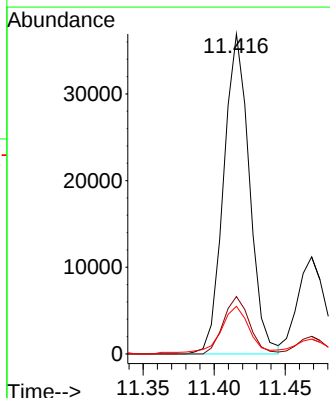
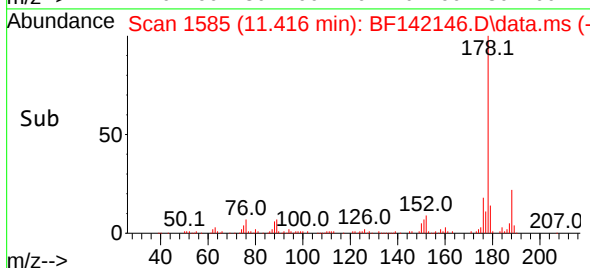
Reviewed By :Anahy Claudio 03/28/2025
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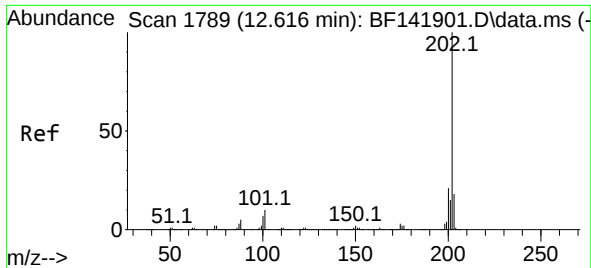


#71
Phenanthrene
Concen: 2.092 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37



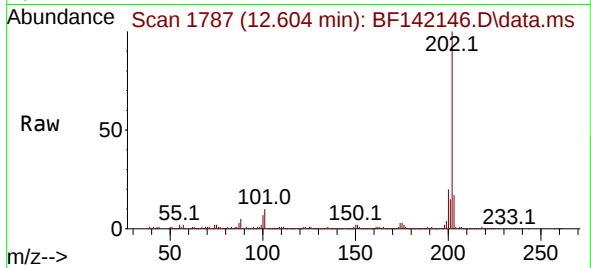
Tgt Ion:178 Resp: 46568
Ion Ratio Lower Upper
178 100
176 18.0 15.8 23.8
179 14.9 12.6 19.0





#75
Fluoranthene
Concen: 7.946 ng
RT: 12.604 min Scan# 1787
Delta R.T. -0.012 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

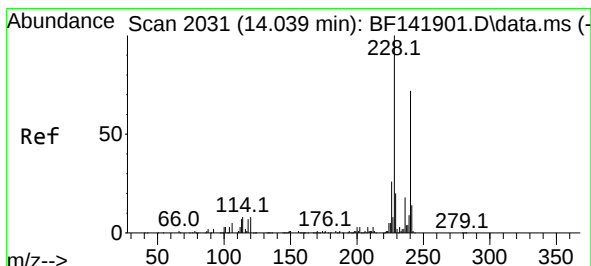
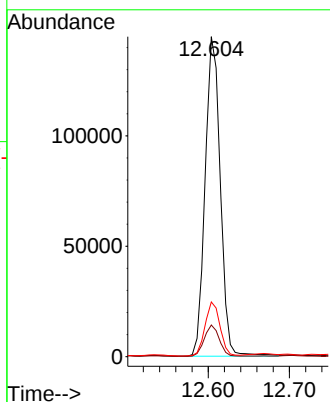
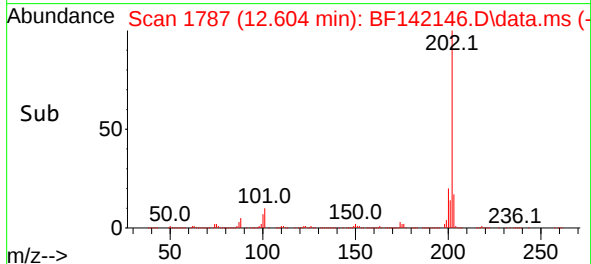
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion:202 Resp: 187662
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.7
203 17.1 0.0 37.8

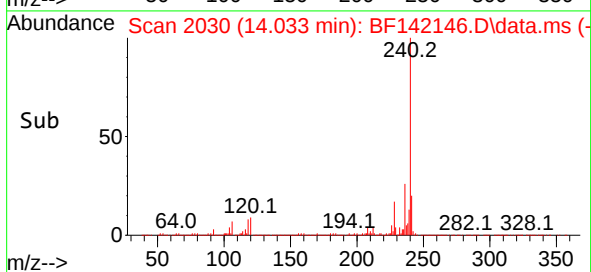
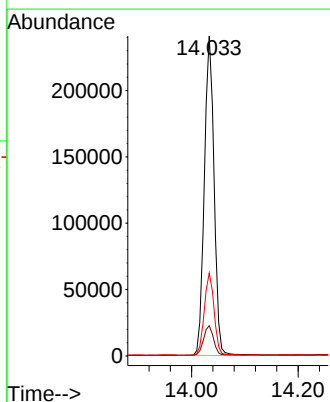
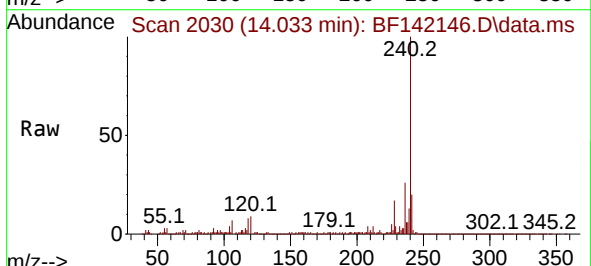
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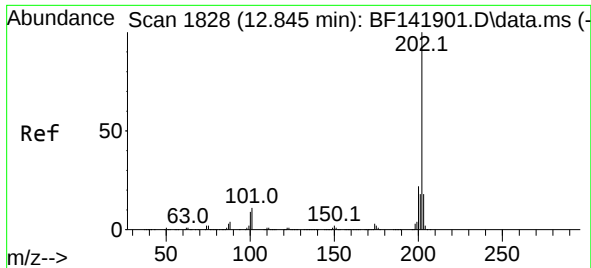
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

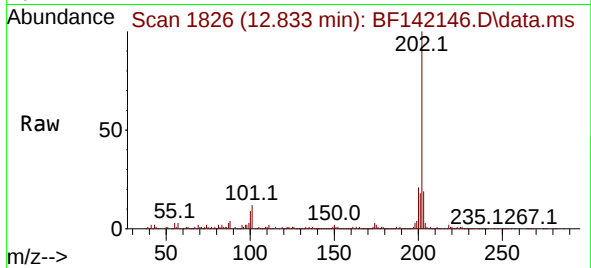
Tgt Ion:240 Resp: 307308
Ion Ratio Lower Upper
240 100
120 9.5 8.4 12.6
236 26.0 20.5 30.7





#78
Pyrene
Concen: 6.102 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

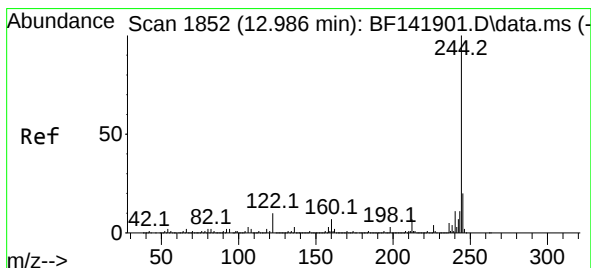
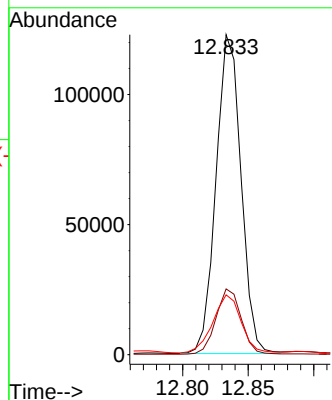
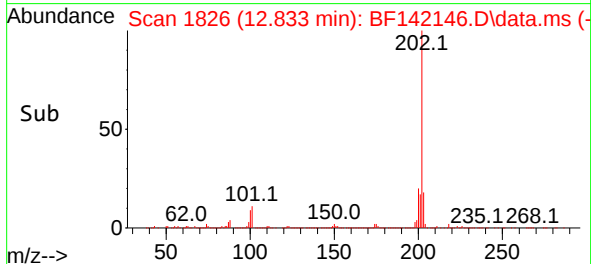
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion:202 Resp: 16220
Ion Ratio Lower Upper
202 100
200 20.5 17.3 25.9
203 18.7 14.4 21.6

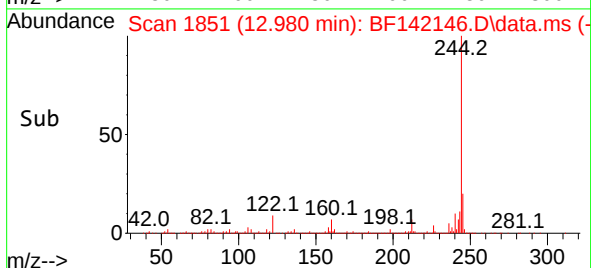
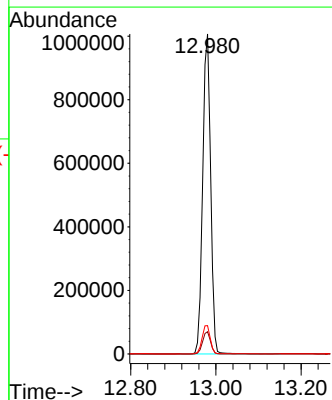
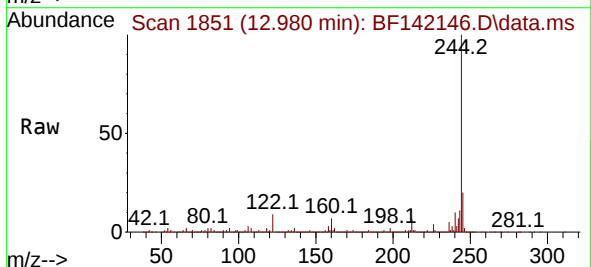
Manual Integrations
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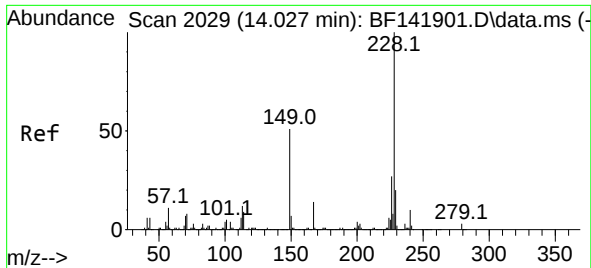
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#79
Terphenyl-d14
Concen: 62.607 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

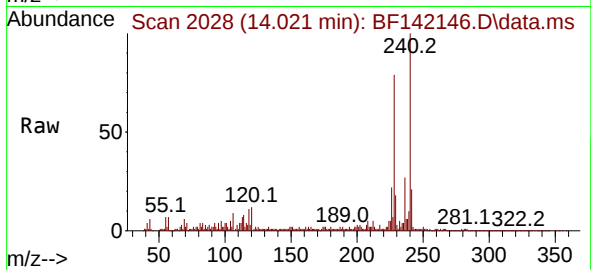
Tgt Ion:244 Resp: 1301338
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 8.8 7.7 11.5





#81
Benzo(a)anthracene
Concen: 5.058 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

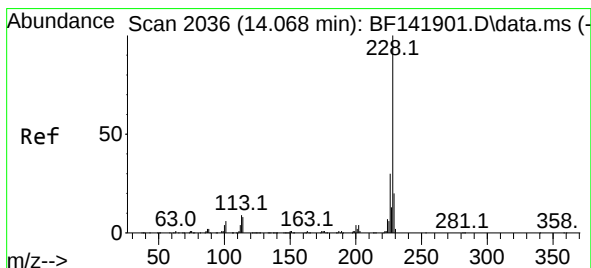
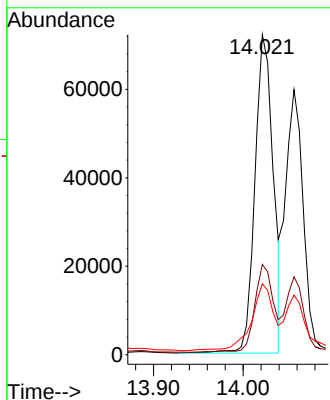
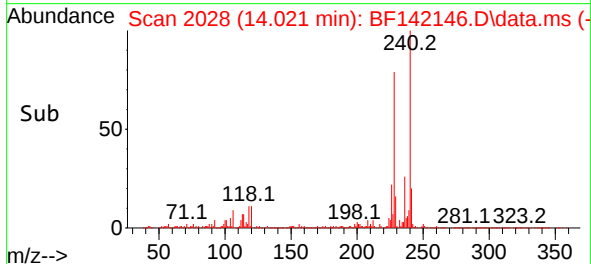
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion:228 Resp: 101994
Ion Ratio Lower Upper
228 100
226 28.2 21.8 32.8
229 22.1 16.0 24.0

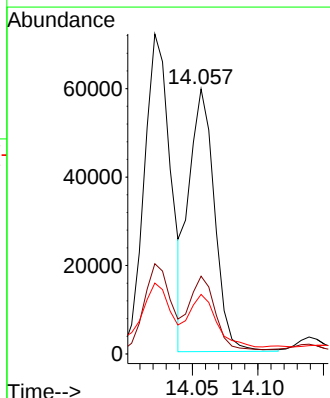
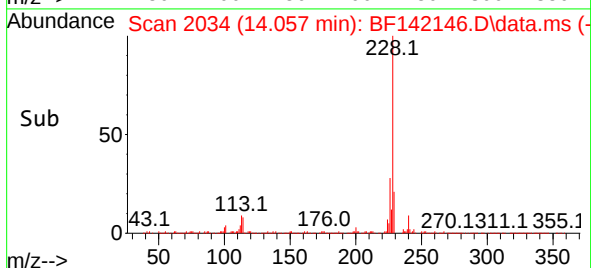
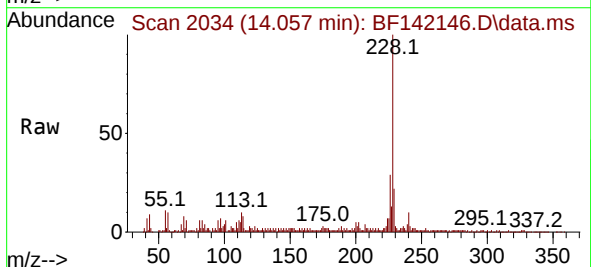
Manual Integrations
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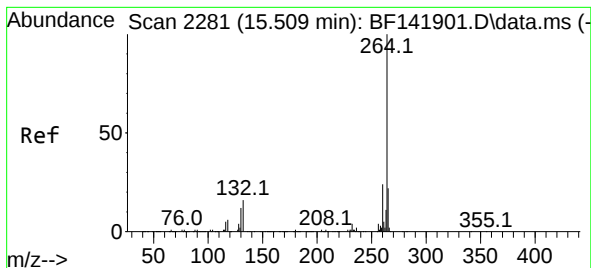
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#83
Chrysene
Concen: 4.430 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

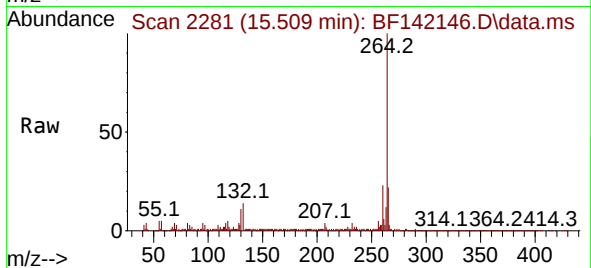
Tgt Ion:228 Resp: 80970
Ion Ratio Lower Upper
228 100
226 29.3 24.1 36.1
229 22.5 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

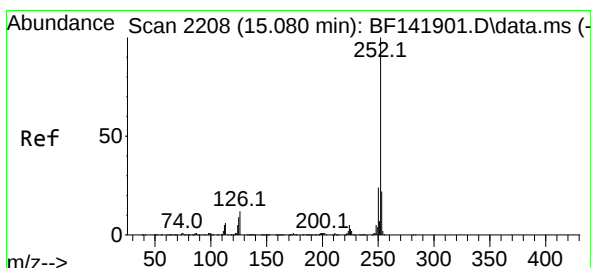
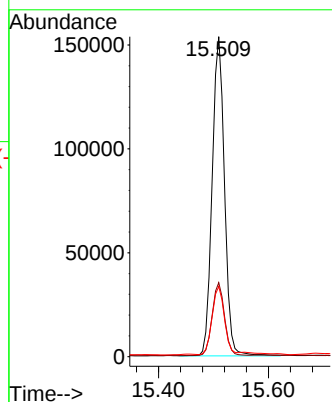
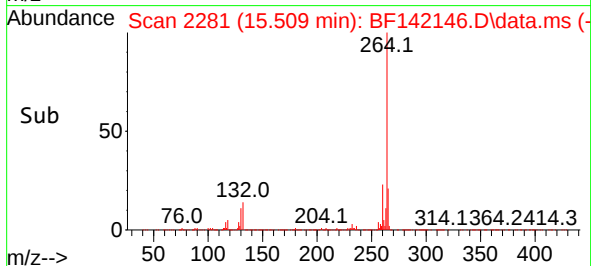
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion:264 Resp: 239460
Ion Ratio Lower Upper
264 100
260 23.2 19.1 28.7
265 22.0 17.5 26.3

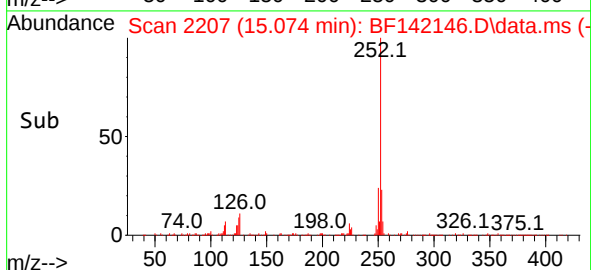
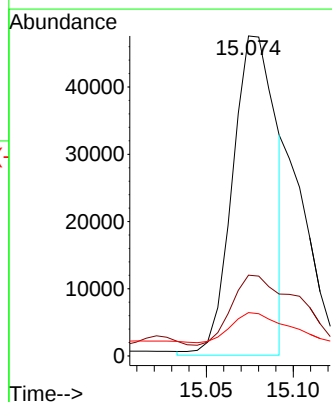
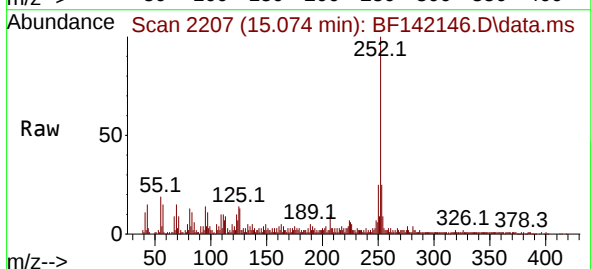
Manual Integrations
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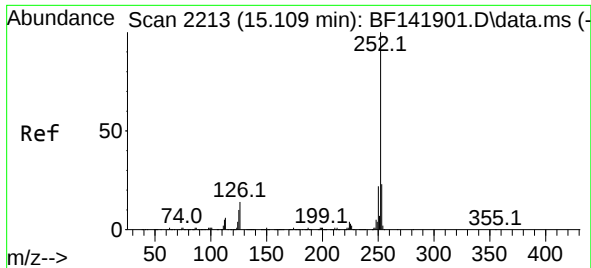
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#88
Benzo(b)fluoranthene
Concen: 5.002 ng m
RT: 15.074 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

Tgt Ion:252 Resp: 82093
Ion Ratio Lower Upper
252 100
253 25.2 17.5 26.3
125 13.5 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 2.188 ng m

RT: 15.092 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF142146.D

Acq: 28 Mar 2025 01:37

Instrument :

BNA_F

ClientSampleId :

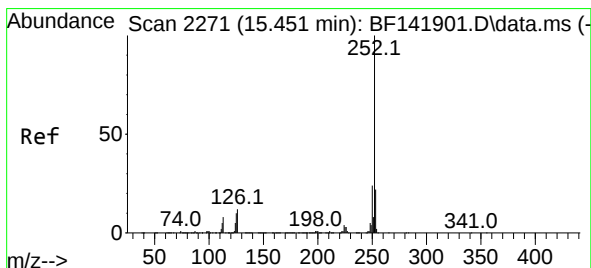
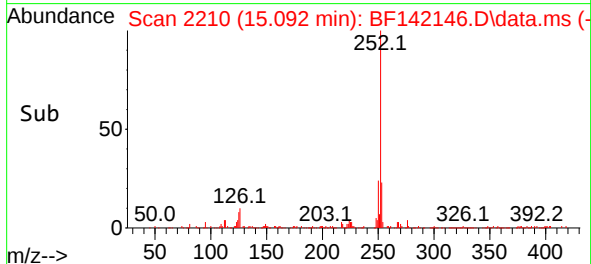
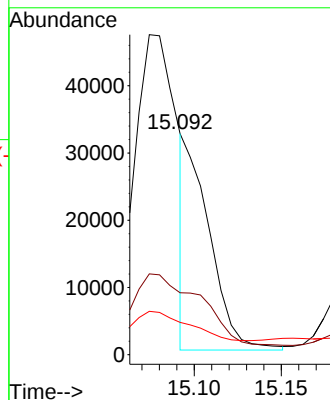
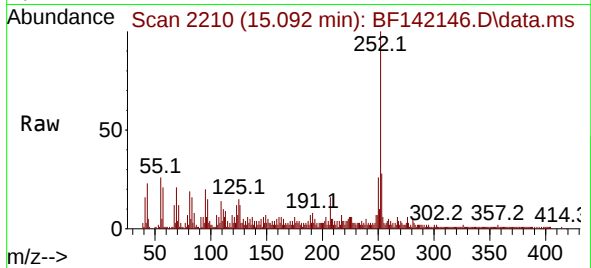
TP-2

Tgt Ion:252 Resp: 30725
 Ion Ratio Lower Upper
 252 100
 253 28.0 17.7 26.5
 125 14.6 7.2 10.8

Manual Integrations

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



#90

Benzo(a)pyrene

Concen: 4.384 ng

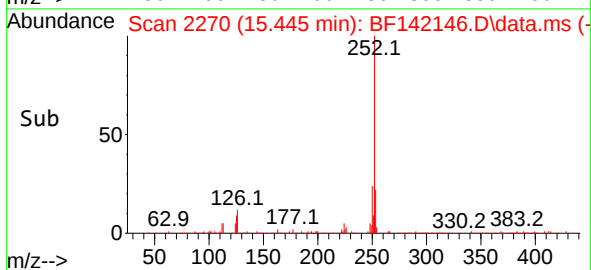
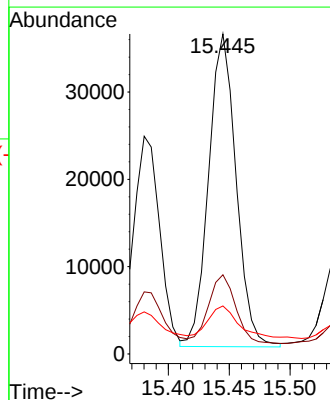
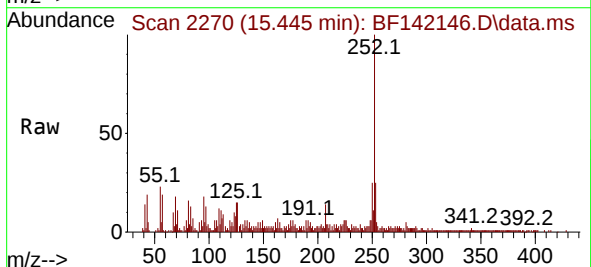
RT: 15.445 min Scan# 2270

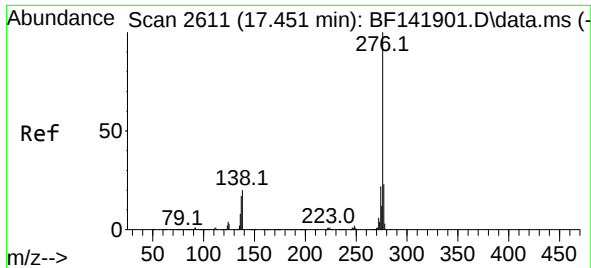
Delta R.T. -0.006 min

Lab File: BF142146.D

Acq: 28 Mar 2025 01:37

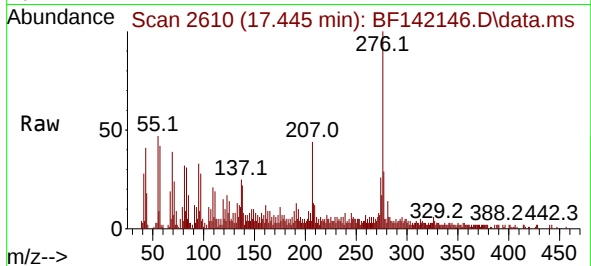
Tgt Ion:252 Resp: 56300
 Ion Ratio Lower Upper
 252 100
 253 24.8 17.4 26.0
 125 15.0 7.8 11.8





#92
Benzo(g,h,i)perylene
Concen: 2.108 ng
RT: 17.445 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142146.D
Acq: 28 Mar 2025 01:37

Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion: 276 Resp: 26628
Ion Ratio Lower Upper
276 100
277 28.7 18.7 28.1
138 22.3 15.8 23.8

Manual Integrations
APPROVED

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

