

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032125\
 Data File : BF142030.D
 Acq On : 21 Mar 2025 15:22
 Operator : RC/JU
 Sample : Q1619-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Mar 21 15:44:43 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

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/24/2025
 Supervised By :Jagrut Upadhyay 03/24/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	138754	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	524701	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	295153	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	424358	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	253313	20.000	ng	0.00
86) Perylene-d12	15.504	264	311167	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	697238	83.865	ng	0.00
7) Phenol-d6	6.493	99	952159	89.951	ng	-0.01
23) Nitrobenzene-d5	7.434	82	631094	67.687	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	210071	56.103	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	1257465	64.792	ng	-0.01
79) Terphenyl-d14	12.975	244	995216	58.085	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	233585	10.191	ng	98
72) Anthracene	11.469	178	59433	2.585	ng	98
73) Carbazole	11.622	167	42321	2.134	ng	99
75) Fluoranthene	12.604	202	335606	13.803	ng	99
78) Pyrene	12.833	202	288302	13.157	ng	98
81) Benzo(a)anthracene	14.022	228	128558	7.734	ng	99
83) Chrysene	14.057	228	107189	7.114	ng	96
87) Indeno(1,2,3-cd)pyrene	16.986	276	84731	4.209	ng	96
88) Benzo(b)fluoranthene	15.074	252	186444m	8.743	ng	
89) Benzo(k)fluoranthene	15.092	252	53269m	2.919	ng	
90) Benzo(a)pyrene	15.439	252	127601	7.647	ng	98
92) Benzo(g,h,i)perylene	17.433	276	85874	5.232	ng	99

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

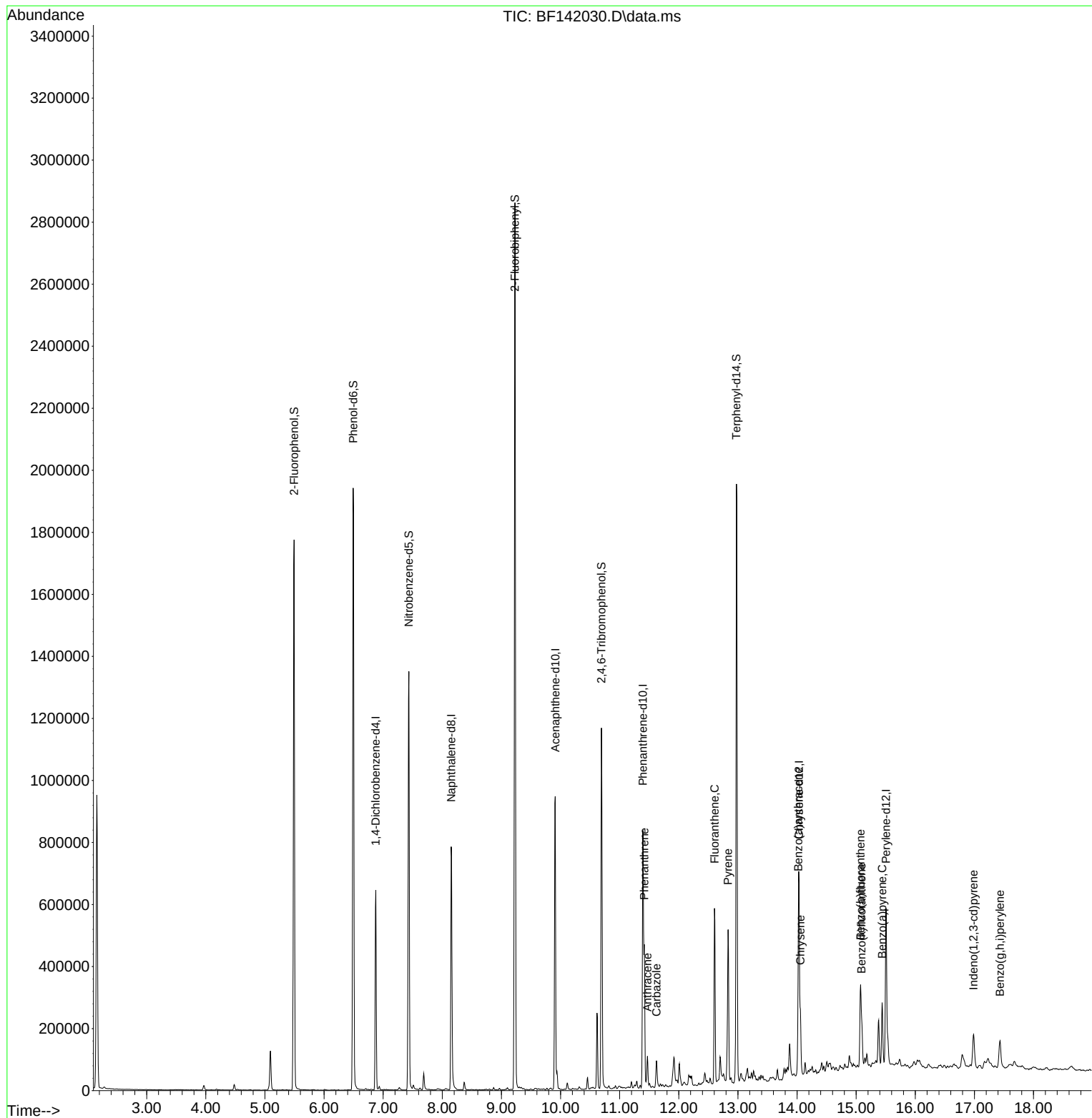
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032125\
Data File : BF142030.D
Acq On : 21 Mar 2025 15:22
Operator : RC/JU
Sample : Q1619-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

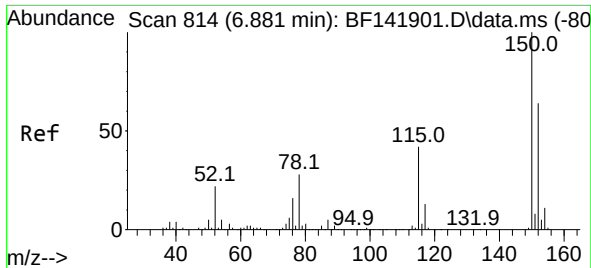
Instrument :
BNA_F
ClientSampleId :
TP-3

Quant Time: Mar 21 15:44:43 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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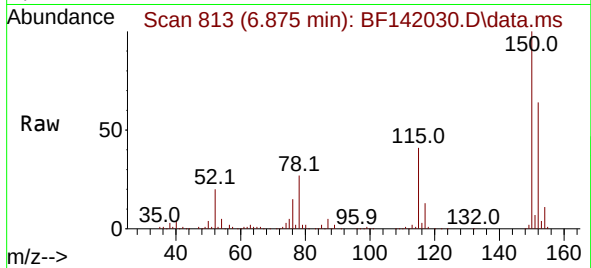
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Supervised By :Jagrut Upadhyay 03/24/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

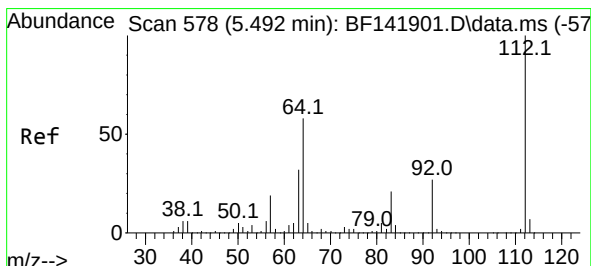
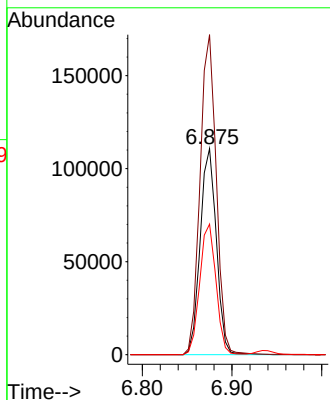
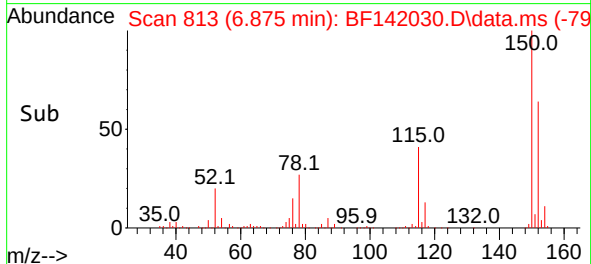
Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:152 Resp: 138754
Ion Ratio Lower Upper
152 100
150 155.3 127.4 191.2
115 63.4 51.9 77.9

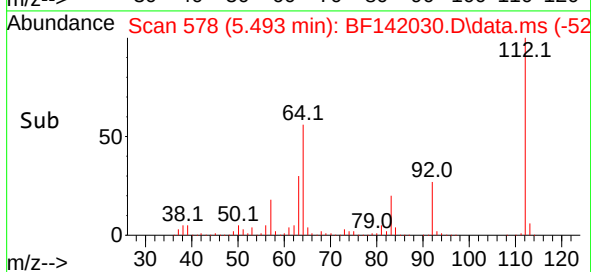
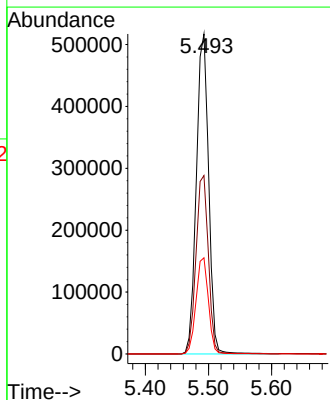
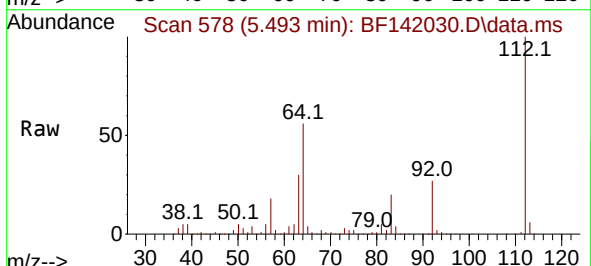
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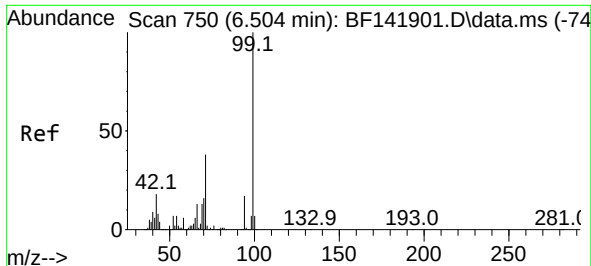
Reviewed By :Anahy Claudio 03/24/2025
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#5
2-Fluorophenol
Concen: 83.865 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

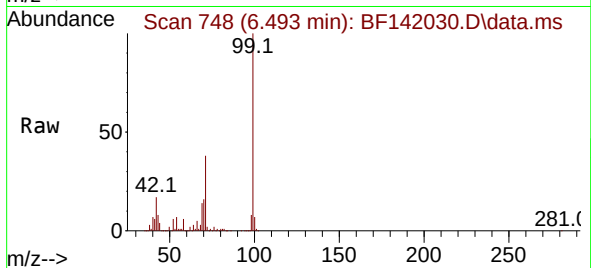
Tgt Ion:112 Resp: 697238
Ion Ratio Lower Upper
112 100
64 55.8 46.5 69.7
63 30.0 25.4 38.2





#7
Phenol-d6
Concen: 89.951 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

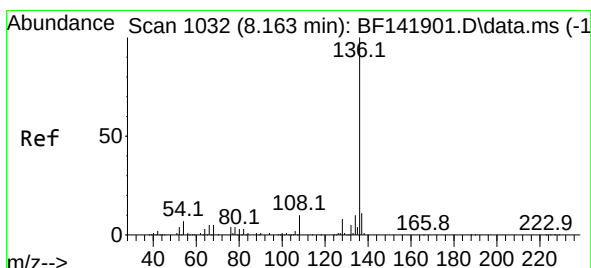
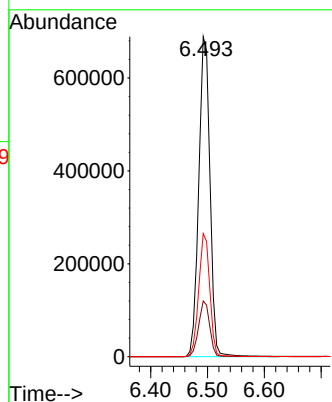
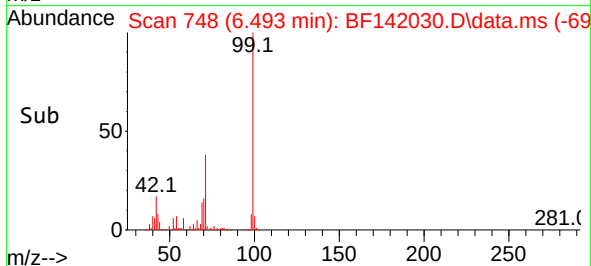
Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion: 99 Resp: 95215
Ion Ratio Lower Upper
99 100
42 17.4 14.6 21.8
71 38.4 30.8 46.2

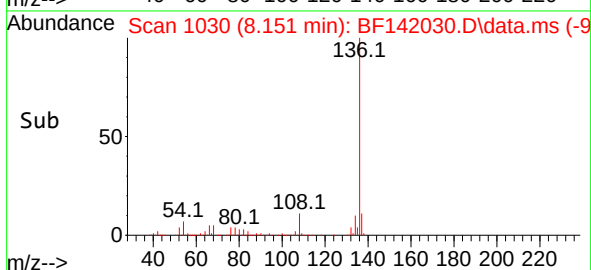
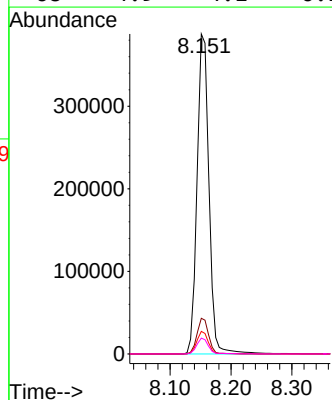
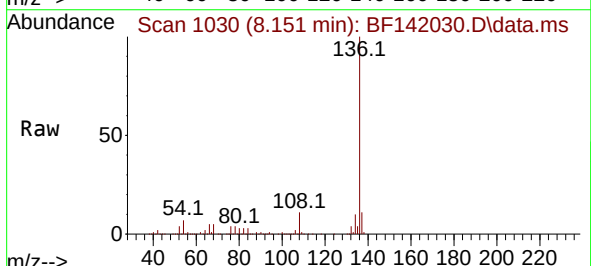
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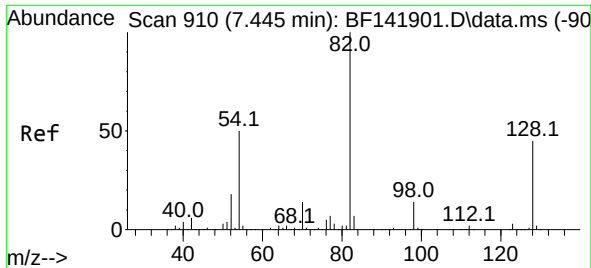
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

Tgt Ion:136 Resp: 524701
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.0 5.8 8.8
68 4.9 4.1 6.1





#23

Nitrobenzene-d5

Concen: 67.687 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF142030.D

Acq: 21 Mar 2025 15:22

Instrument :

BNA_F

ClientSampleId :

TP-3

Tgt Ion: 82 Resp: 631094

Ion Ratio Lower Upper

82 100

128 46.1 36.0 54.0

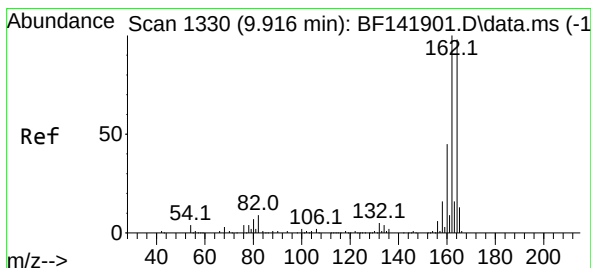
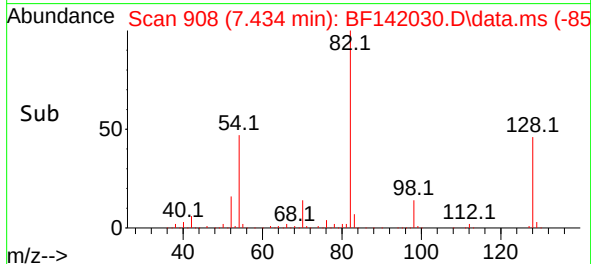
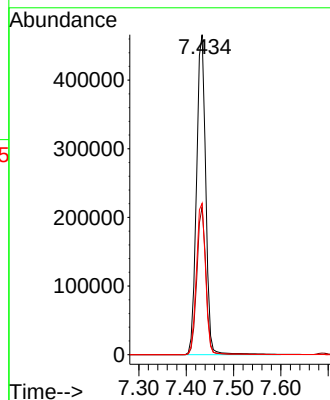
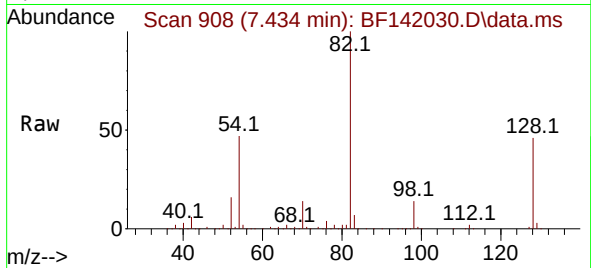
54 47.3 39.6 59.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF142030.D

Acq: 21 Mar 2025 15:22

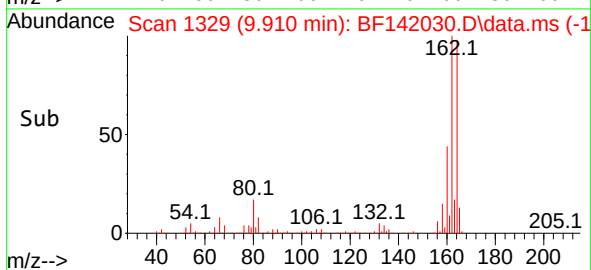
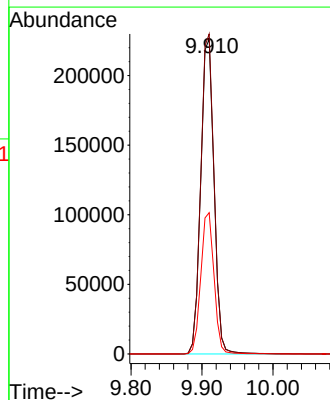
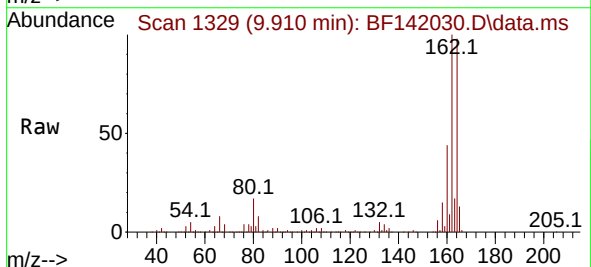
Tgt Ion:164 Resp: 295153

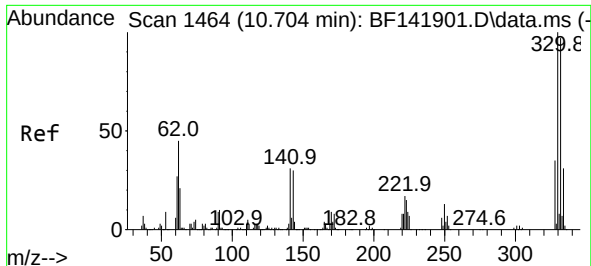
Ion Ratio Lower Upper

164 100

162 101.6 81.8 122.6

160 44.8 36.7 55.1





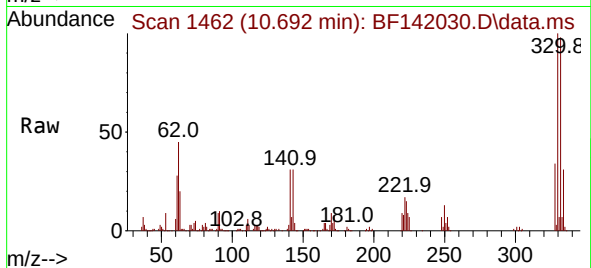
#42
2,4,6-Tribromophenol
Concen: 56.103 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

Instrument :

BNA_F

ClientSampleId :

TP-3

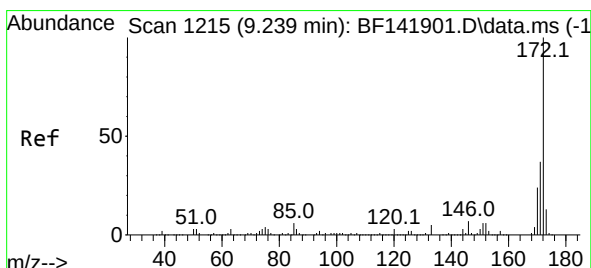
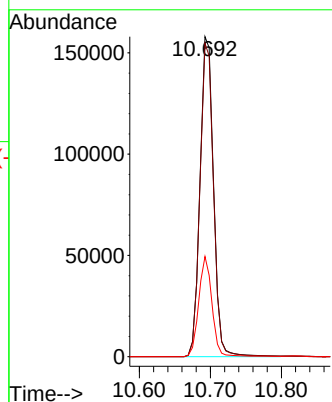
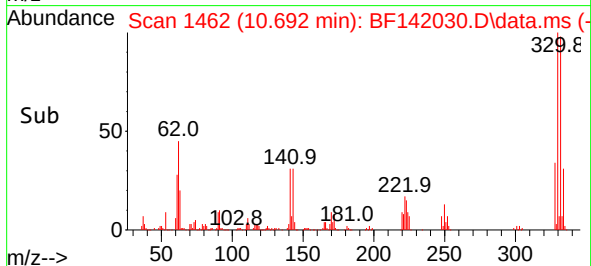


Tgt Ion:330 Resp: 21007
Ion Ratio Lower Upper
330 100
332 98.1 77.6 116.4
141 30.7 24.7 37.1

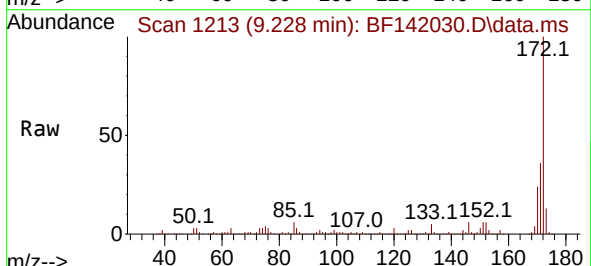
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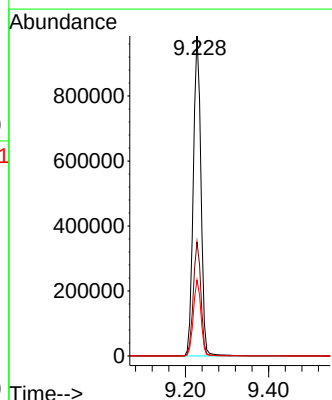
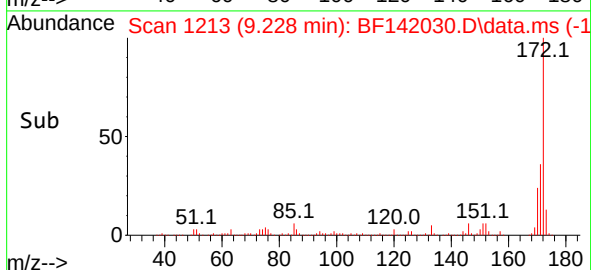
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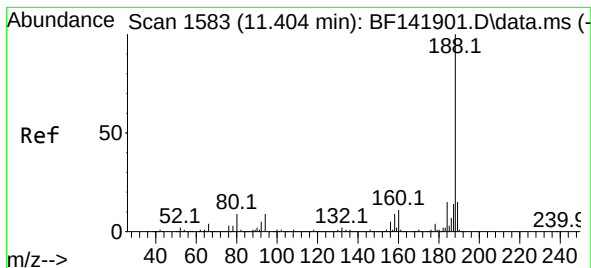


#45
2-Fluorobiphenyl
Concen: 64.792 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22



Tgt Ion:172 Resp: 1257465
Ion Ratio Lower Upper
172 100
171 35.6 29.3 43.9
170 23.8 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: BF142030.D

Acq: 21 Mar 2025 15:22

Instrument :

BNA_F

ClientSampleId :

TP-3

Tgt Ion:188 Resp: 424358

Ion Ratio Lower Upper

188 100

94 8.6 6.8 10.2

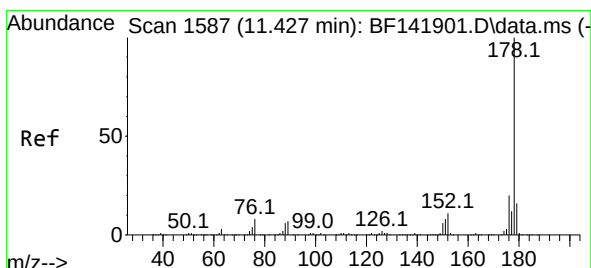
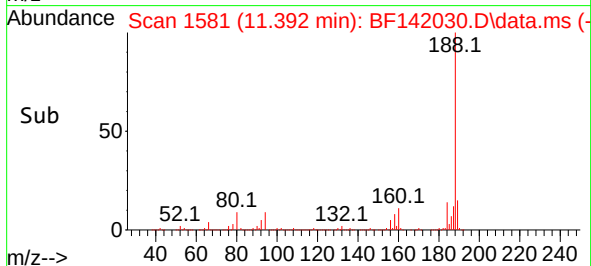
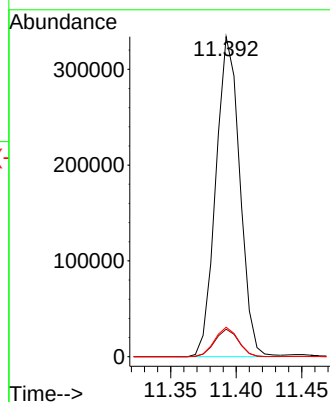
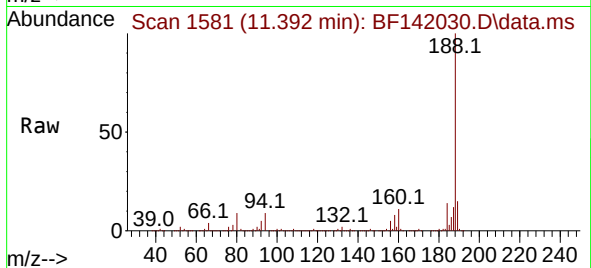
80 9.2 7.6 11.4

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#71

Phenanthrene

Concen: 10.191 ng

RT: 11.416 min Scan# 1585

Delta R.T. -0.012 min

Lab File: BF142030.D

Acq: 21 Mar 2025 15:22

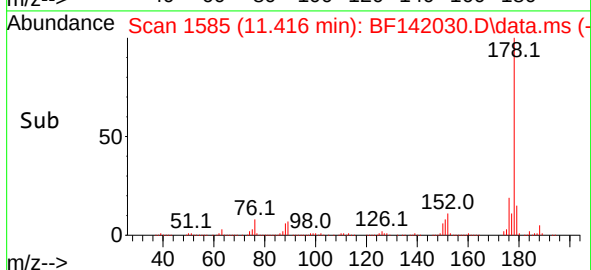
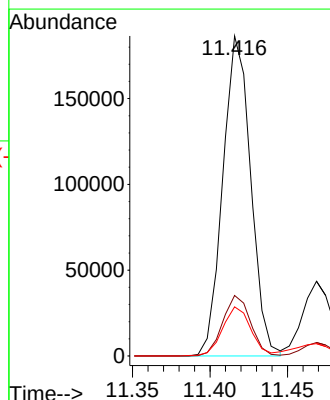
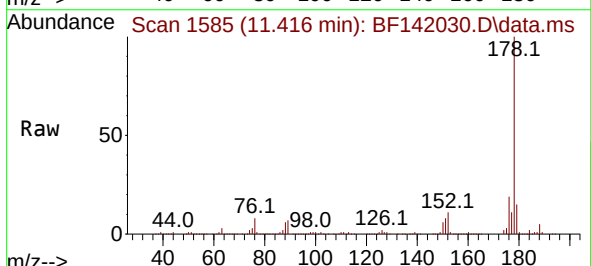
Tgt Ion:178 Resp: 233585

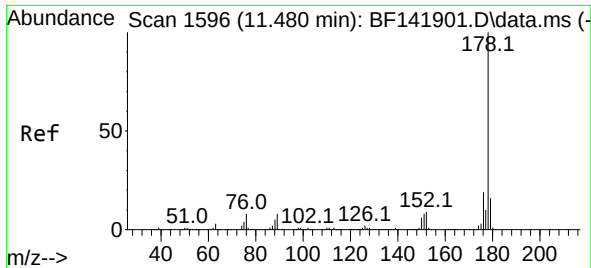
Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

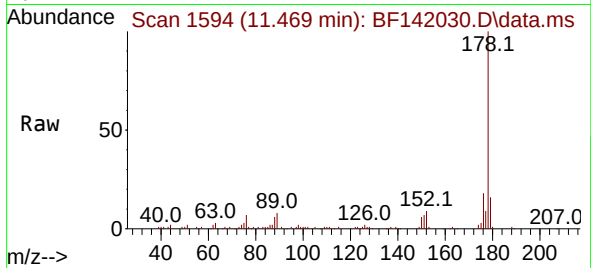
179 15.4 12.6 19.0





#72
 Anthracene
 Concen: 2.585 ng
 RT: 11.469 min Scan# 1594
 Delta R.T. -0.012 min
 Lab File: BF142030.D
 Acq: 21 Mar 2025 15:22

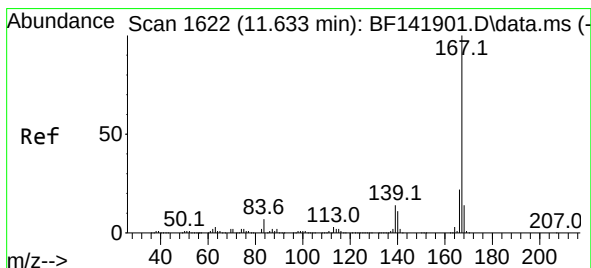
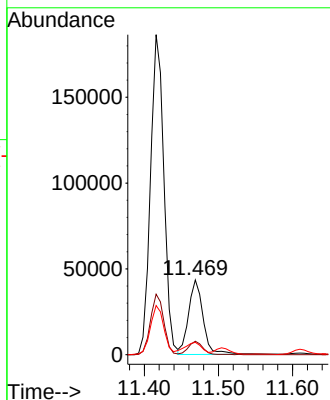
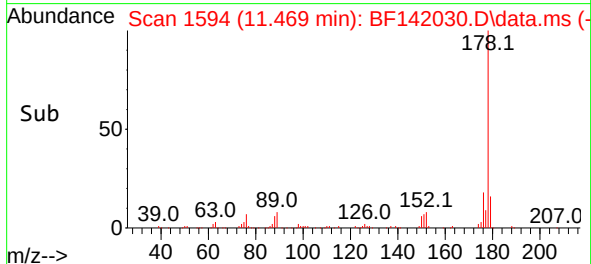
Instrument :
 BNA_F
 ClientSampleId :
 TP-3



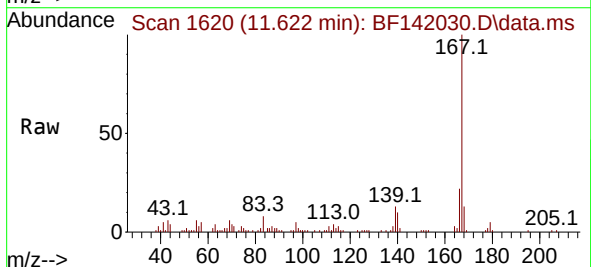
Tgt Ion:178 Resp: 59438
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.1 22.7
 179 16.4 12.6 19.0

Manual Integrations
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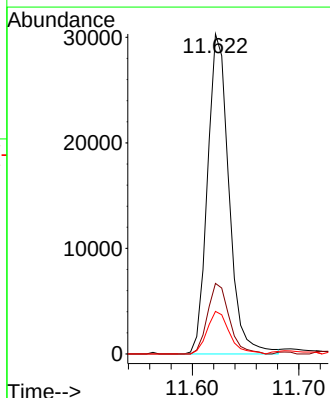
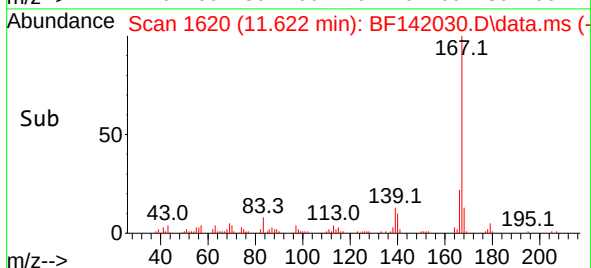
Reviewed By :Anahy Claudio 03/24/2025
 Supervised By :Jagrut Upadhyay 03/24/2025

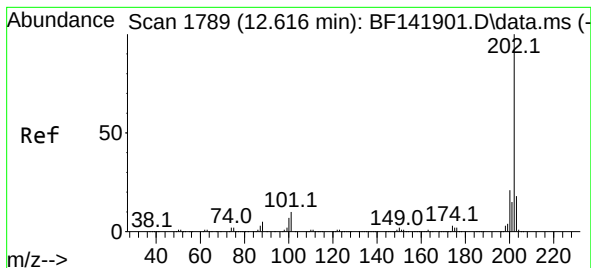


#73
 Carbazole
 Concen: 2.134 ng
 RT: 11.622 min Scan# 1620
 Delta R.T. -0.012 min
 Lab File: BF142030.D
 Acq: 21 Mar 2025 15:22



Tgt Ion:167 Resp: 42321
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.4 26.2
 139 13.3 11.0 16.6





#75

Fluoranthene

Concen: 13.803 ng

RT: 12.604 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142030.D

Acq: 21 Mar 2025 15:22

Instrument :

BNA_F

ClientSampleId :

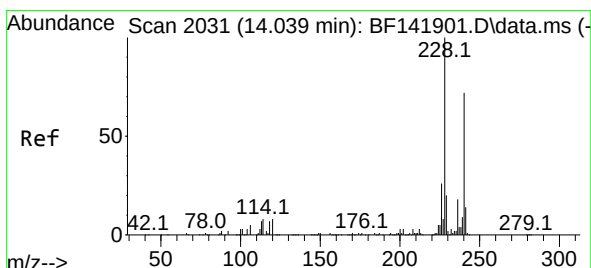
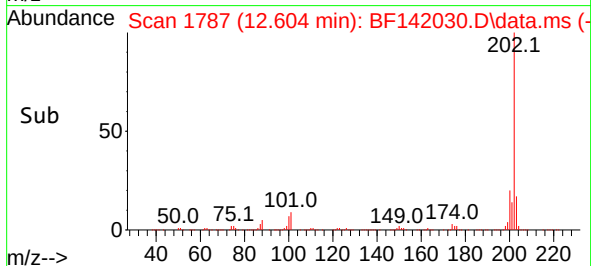
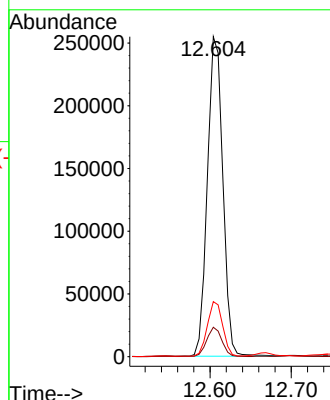
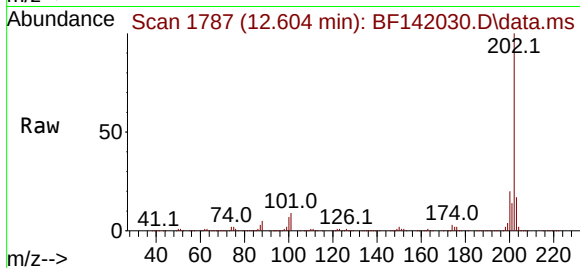
TP-3

Tgt Ion:202 Resp: 335600
 Ion Ratio Lower Upper
 202 100
 101 9.2 0.0 29.7
 203 17.2 0.0 37.8

Manual Integrations

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#76

Chrysene-d12

Concen: 20.000 ng

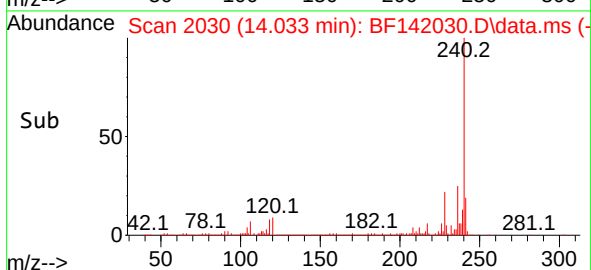
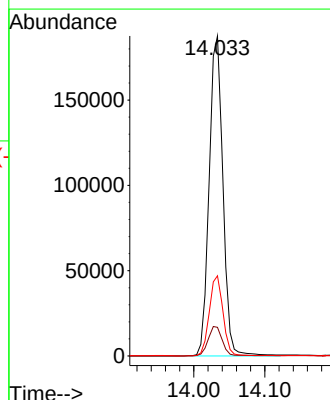
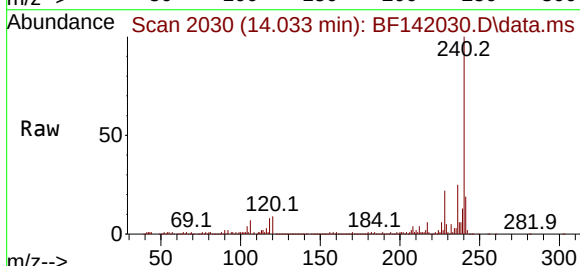
RT: 14.033 min Scan# 2030

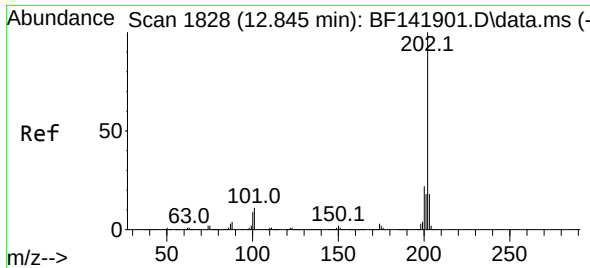
Delta R.T. -0.006 min

Lab File: BF142030.D

Acq: 21 Mar 2025 15:22

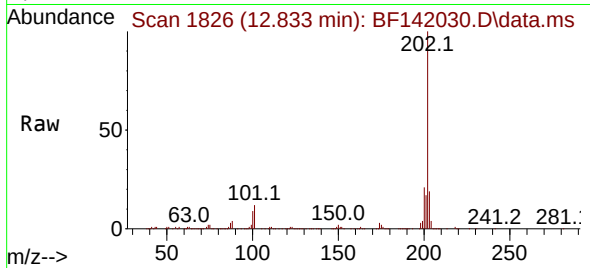
Tgt Ion:240 Resp: 253313
 Ion Ratio Lower Upper
 240 100
 120 9.0 8.4 12.6
 236 25.1 20.5 30.7





#78
Pyrene
Concen: 13.157 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

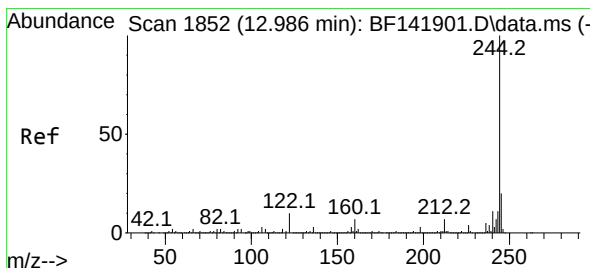
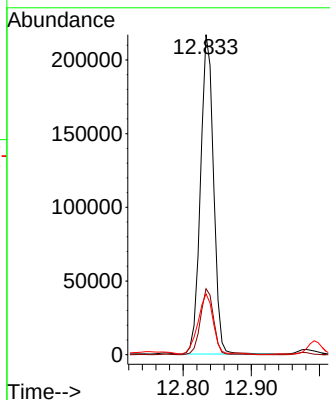
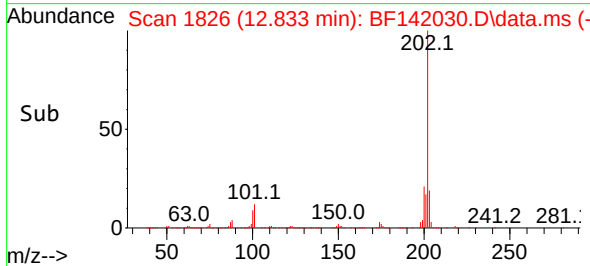
Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:202 Resp: 288302
Ion Ratio Lower Upper
202 100
200 20.6 17.3 25.9
203 19.0 14.4 21.6

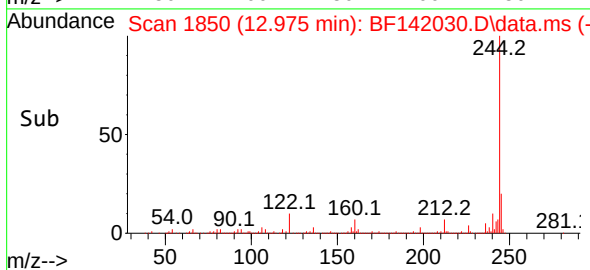
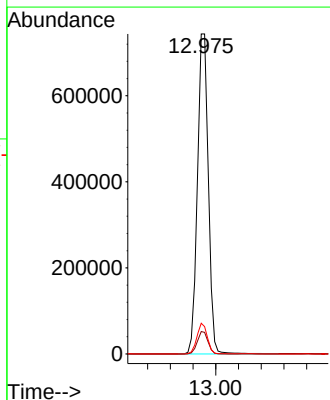
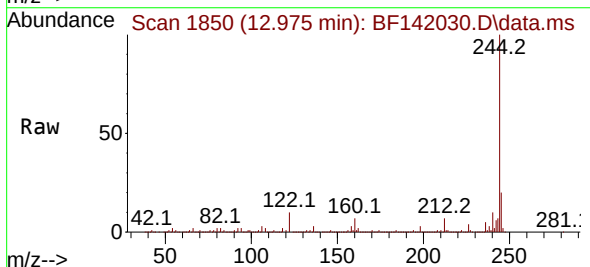
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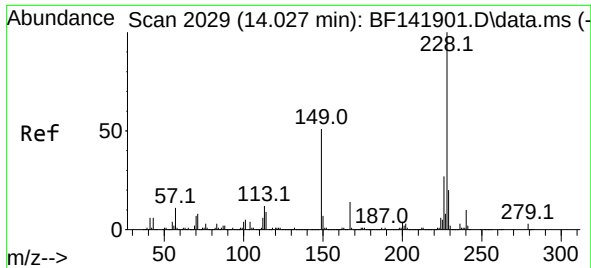
Reviewed By :Anahy Claudio 03/24/2025
Supervised By :Jagrut Upadhyay 03/24/2025



#79
Terphenyl-d14
Concen: 58.085 ng
RT: 12.975 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

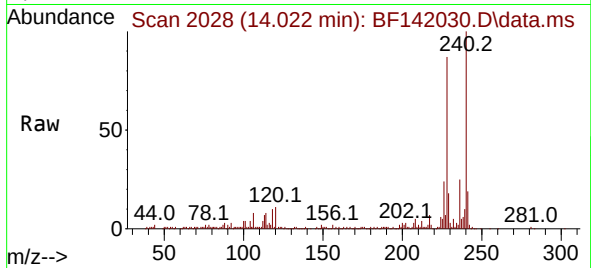
Tgt Ion:244 Resp: 995216
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 9.6 7.7 11.5





#81
Benzo(a)anthracene
Concen: 7.734 ng
RT: 14.022 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

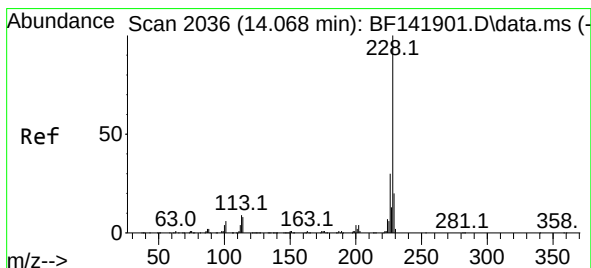
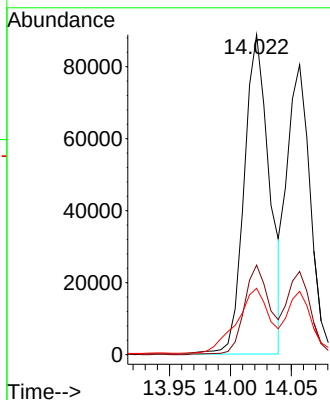
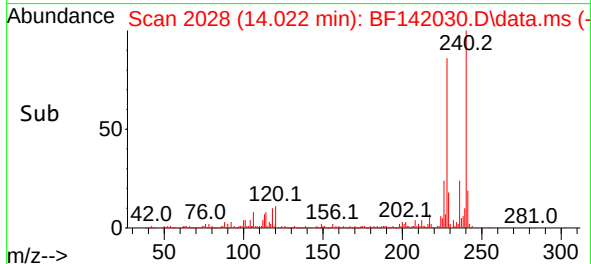
Instrument :
BNA_F
ClientSampleId :
TP-3



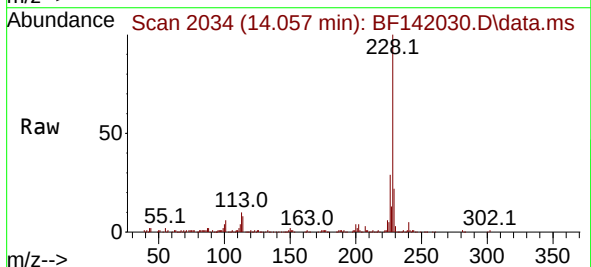
Tgt Ion:228 Resp: 128558
Ion Ratio Lower Upper
228 100
226 28.0 21.8 32.8
229 20.8 16.0 24.0

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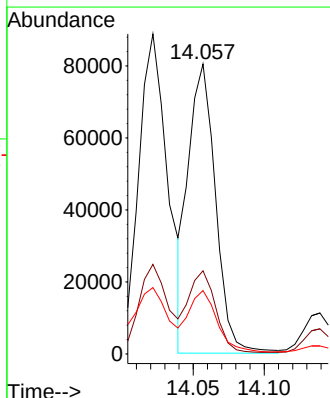
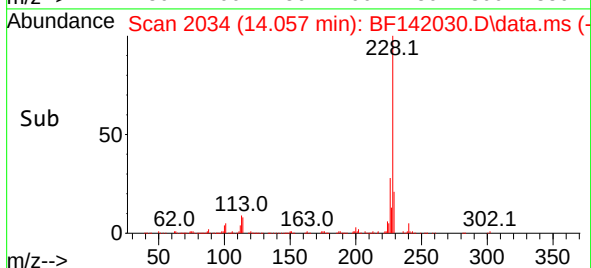
Reviewed By :Anahy Claudio 03/24/2025
Supervised By :Jagrut Upadhyay 03/24/2025

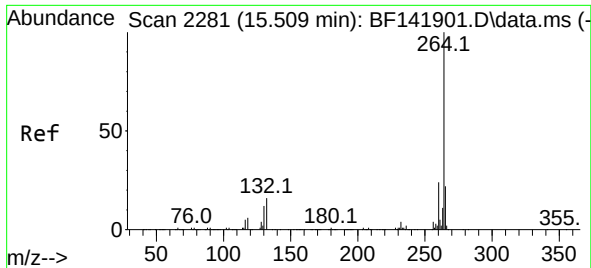


#83
Chrysene
Concen: 7.114 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22



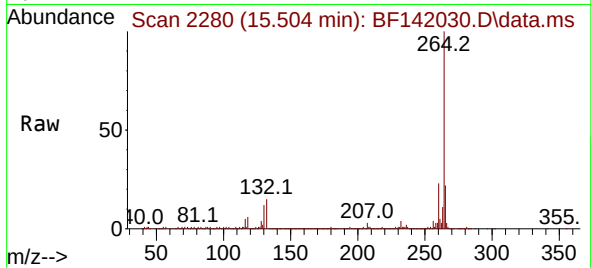
Tgt Ion:228 Resp: 107189
Ion Ratio Lower Upper
228 100
226 28.7 24.1 36.1
229 21.9 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

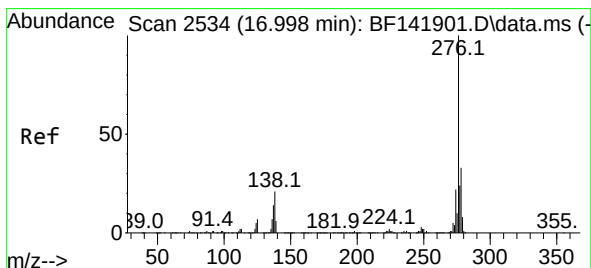
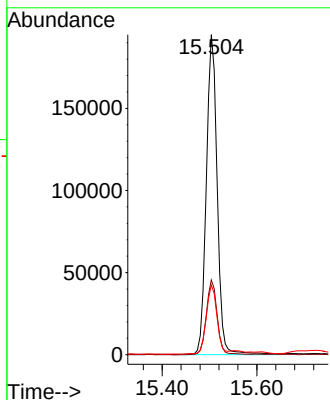
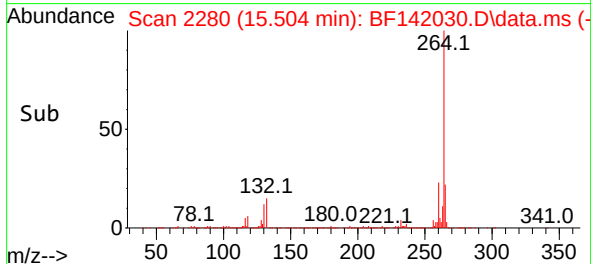
Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:264 Resp: 31116
Ion Ratio Lower Upper
264 100
260 23.3 19.1 28.7
265 21.7 17.5 26.3

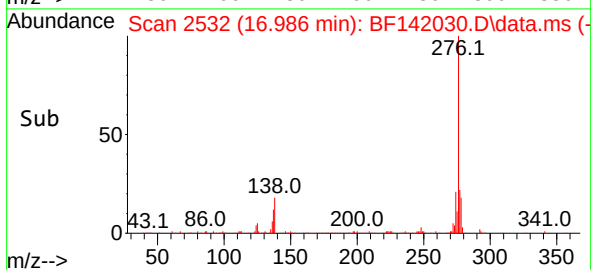
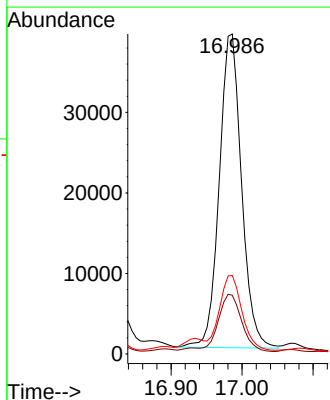
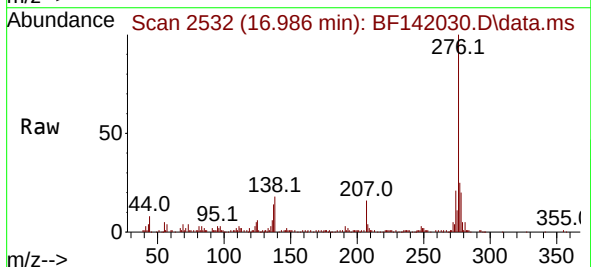
Manual Integrations
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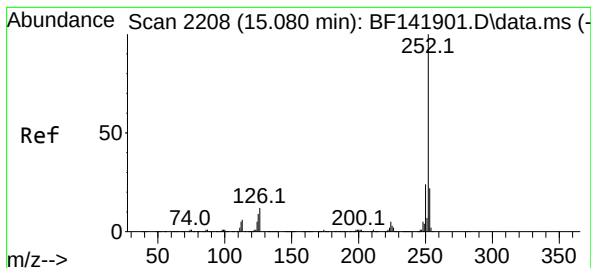
Reviewed By :Anahy Claudio 03/24/2025
Supervised By :Jagrut Upadhyay 03/24/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.209 ng
RT: 16.986 min Scan# 2532
Delta R.T. -0.012 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

Tgt Ion:276 Resp: 84731
Ion Ratio Lower Upper
276 100
138 20.0 18.4 27.6
277 23.9 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 8.743 ng m

RT: 15.074 min Scan# 2110

Delta R.T. -0.006 min

Lab File: BF142030.D

Acq: 21 Mar 2025 15:22

Instrument :

BNA_F

ClientSampleId :

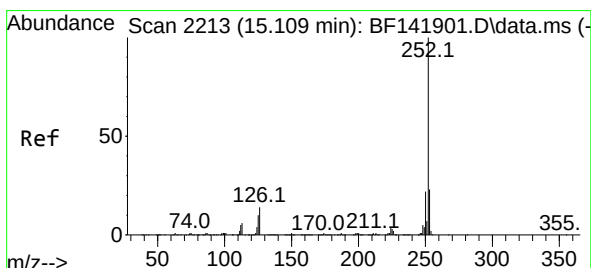
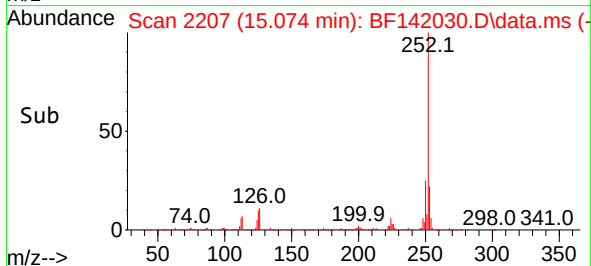
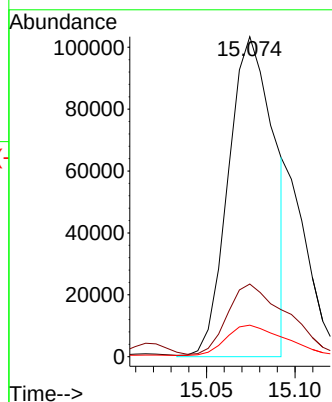
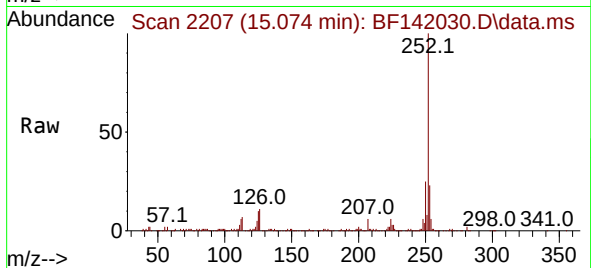
TP-3

Tgt Ion:252 Resp: 186444
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.5 26.3
 125 9.9 7.0 10.4

Manual Integrations

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Reviewed By :Anahy Claudio 03/24/2025
 Supervised By :Jagrut Upadhyay 03/24/2025



#89

Benzo(k)fluoranthene

Concen: 2.919 ng m

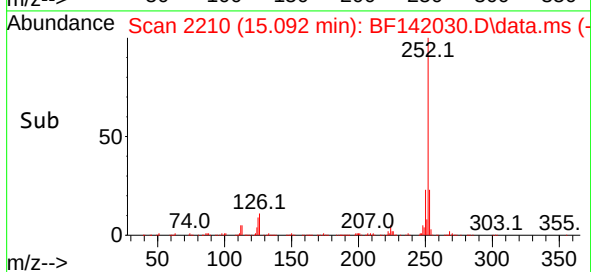
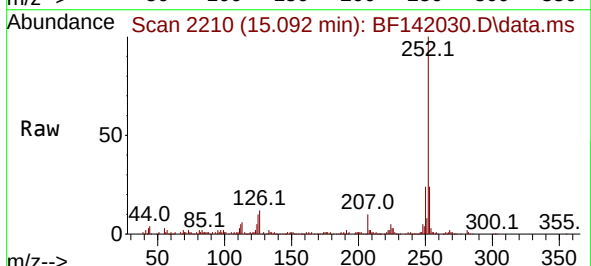
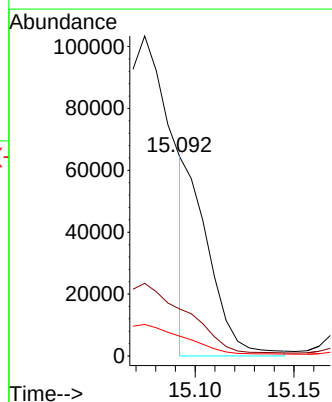
RT: 15.092 min Scan# 2210

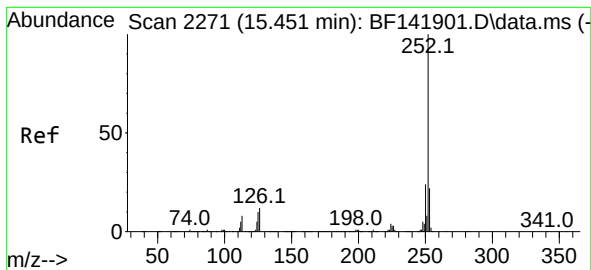
Delta R.T. -0.017 min

Lab File: BF142030.D

Acq: 21 Mar 2025 15:22

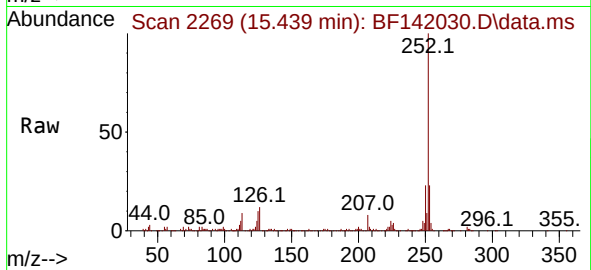
Tgt Ion:252 Resp: 53269
 Ion Ratio Lower Upper
 252 100
 253 23.6 17.7 26.5
 125 10.0 7.2 10.8





#90
Benzo(a)pyrene
Concen: 7.647 ng
RT: 15.439 min Scan# 210
Delta R.T. -0.012 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

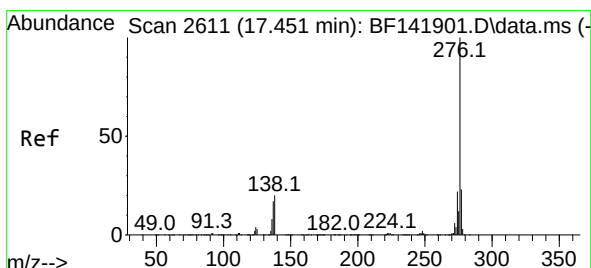
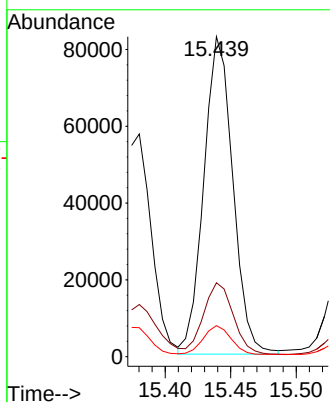
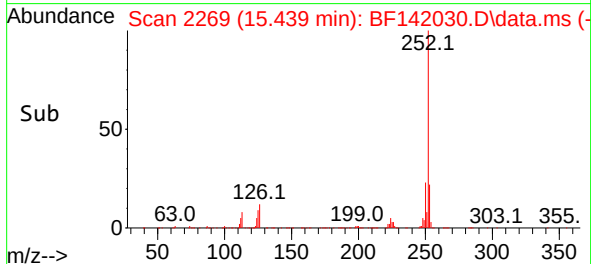
Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:252 Resp: 12760
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 9.7 7.8 11.8

Manual Integrations
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Reviewed By :Anahy Claudio 03/24/2025
Supervised By :Jagrut Upadhyay 03/24/2025



#92
Benzo(g,h,i)perylene
Concen: 5.232 ng
RT: 17.433 min Scan# 2608
Delta R.T. -0.017 min
Lab File: BF142030.D
Acq: 21 Mar 2025 15:22

Tgt Ion:276 Resp: 85874
Ion Ratio Lower Upper
276 100
277 24.3 18.7 28.1
138 19.4 15.8 23.8

