

Data Path : T:\svoasrv\HPCHEM1\BNA_F\Data\BF032425\
 Data File : BF142063.D
 Acq On : 24 Mar 2025 19:23
 Operator : RC/JU
 Sample : Q1624-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-03212025

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/25/2025
 Supervised By :Jagrut Upadhyay 03/25/2025

Quant Time: Mar 24 21:01:50 2025
 Quant Method : T:\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	6.875	152	139970	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	489266	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	215415	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	305457	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	290499	20.000	ng	0.00
86) Perylene-d12	15.510	264	230138	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	759051	90.507	ng	0.00
7) Phenol-d6	6.498	99	879624	82.377	ng	0.00
23) Nitrobenzene-d5	7.434	82	576416	66.300	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	210652	77.082	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	1034634	73.044	ng	-0.01
79) Terphenyl-d14	12.974	244	864264	43.986	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	12.604	202	45083	2.576	ng	97
78) Pyrene	12.833	202	55288	2.200	ng	98
81) Benzo(a)anthracene	14.021	228	42248	2.216	ng	# 77
83) Chrysene	14.057	228	37322	2.160	ng	# 82
88) Benzo(b)fluoranthene	15.074	252	45386m	2.878	ng	
90) Benzo(a)pyrene	15.445	252	30292	2.454	ng	# 73

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

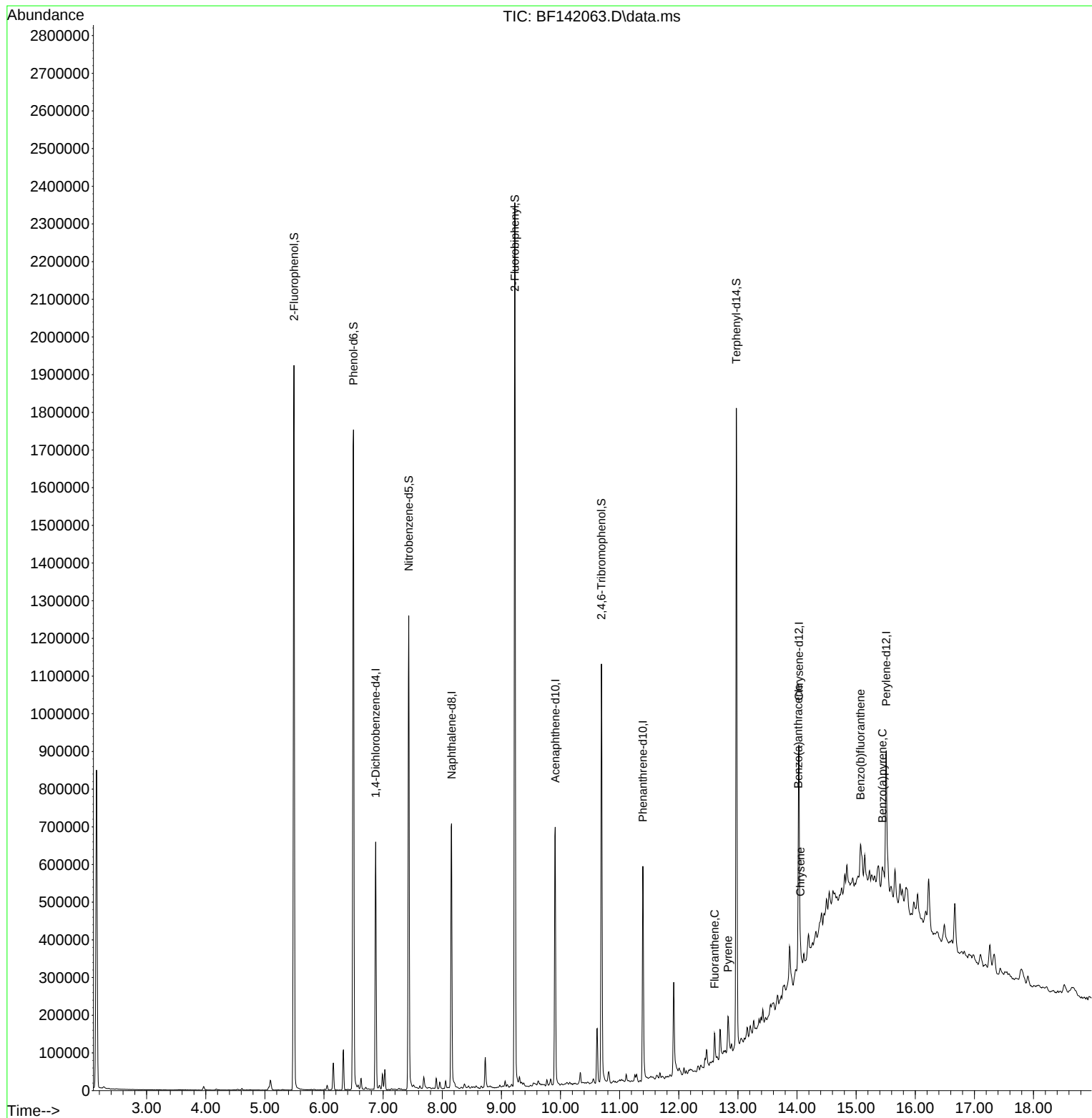
Data Path : T:\svoasrv\HPCHEM1\BNA_F\Data\BF032425\
Data File : BF142063.D
Acq On : 24 Mar 2025 19:23
Operator : RC/JU
Sample : Q1624-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

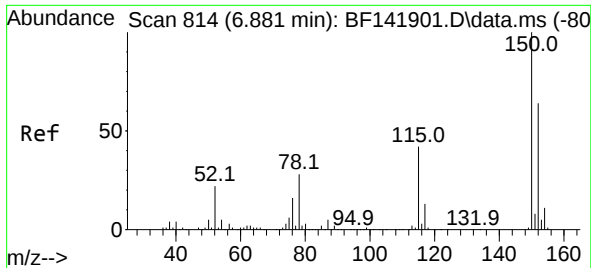
Instrument :
BNA_F
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OK-01-03212025

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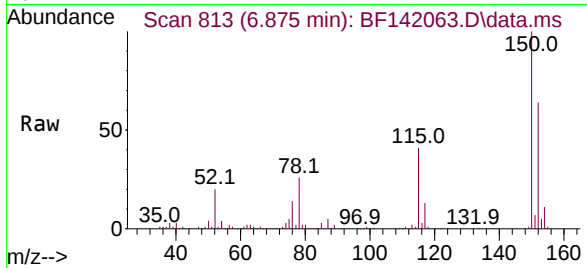
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Quant Method : T:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142063.D
Acq: 24 Mar 2025 19:23

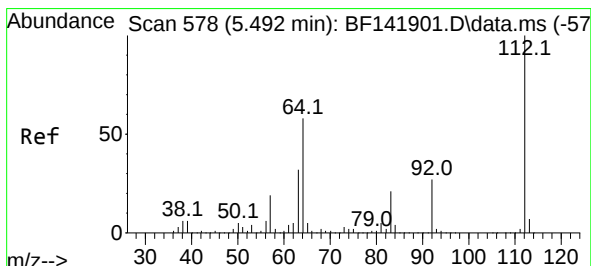
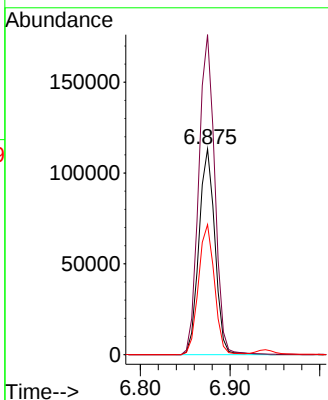
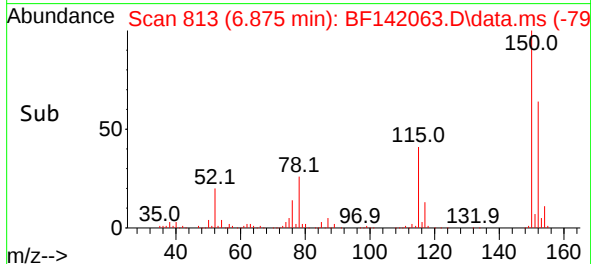
Instrument :
BNA_F
ClientSampleId :
OK-01-03212025



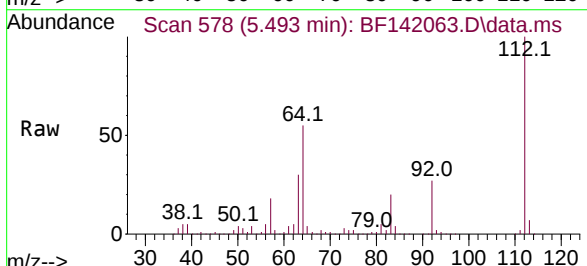
Tgt Ion:152 Resp: 139976
Ion Ratio Lower Upper
152 100
150 155.5 127.4 191.2
115 63.2 51.9 77.9

Manual Integrations
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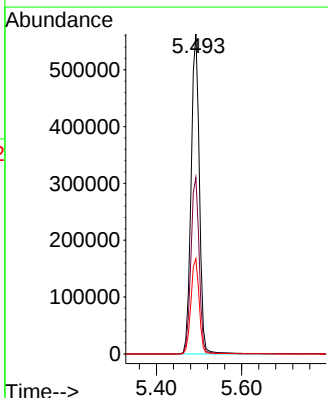
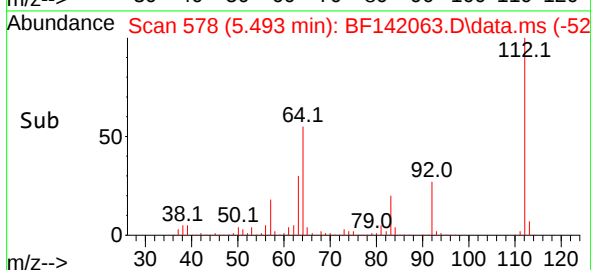
Reviewed By :Anahy Claudio 03/25/2025
Supervised By :Jagrut Upadhyay 03/25/2025

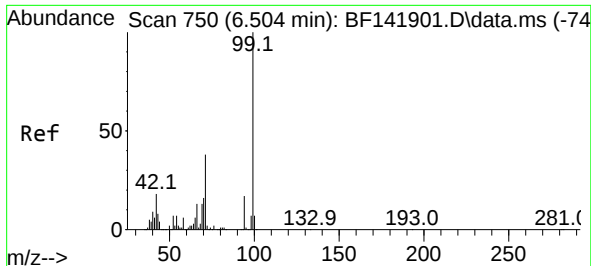


#5
2-Fluorophenol
Concen: 90.507 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF142063.D
Acq: 24 Mar 2025 19:23



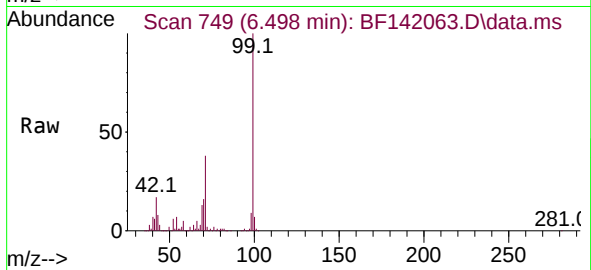
Tgt Ion:112 Resp: 759051
Ion Ratio Lower Upper
112 100
64 55.1 46.5 69.7
63 29.8 25.4 38.2





#7
Phenol-d6
Concen: 82.377 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF142063.D
Acq: 24 Mar 2025 19:23

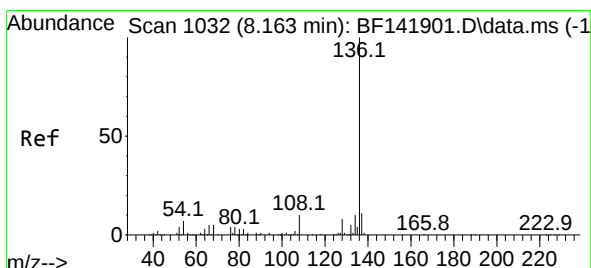
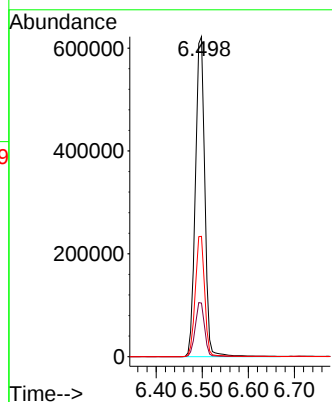
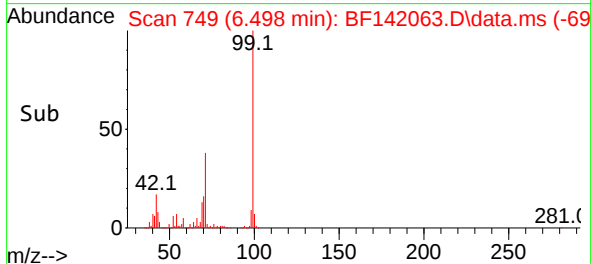
Instrument :
BNA_F
ClientSampleId :
OK-01-03212025



Tgt Ion: 99 Resp: 879624
Ion Ratio Lower Upper
99 100
42 16.7 14.6 21.8
71 37.6 30.8 46.2

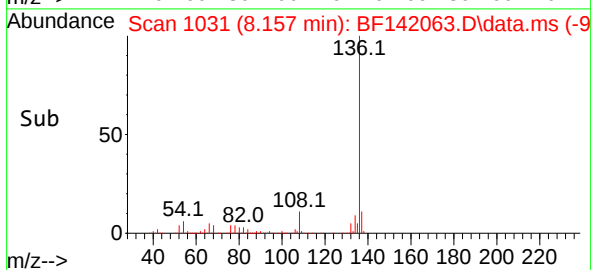
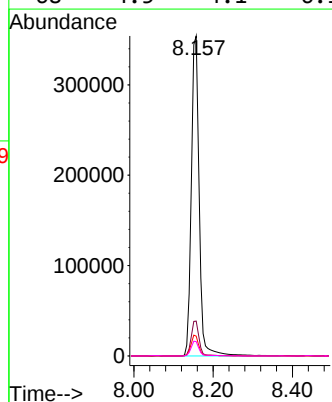
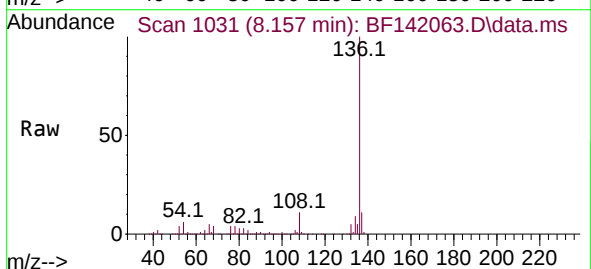
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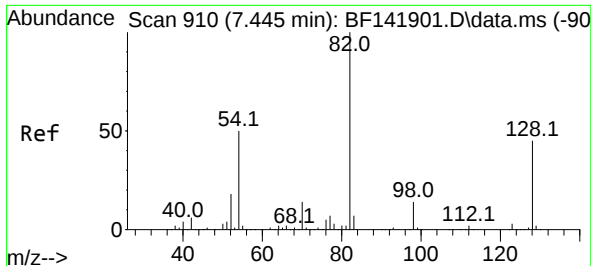
Reviewed By :Anahy Claudio 03/25/2025
Supervised By :Jagrut Upadhyay 03/25/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF142063.D
Acq: 24 Mar 2025 19:23

Tgt Ion:136 Resp: 489266
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.2 5.8 8.8
68 4.5 4.1 6.1





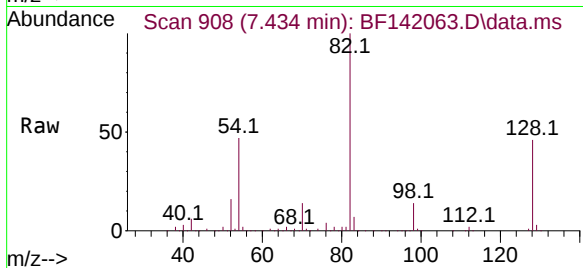
#23
Nitrobenzene-d5
Concen: 66.300 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF142063.D
Acq: 24 Mar 2025 19:23

Instrument :

BNA_F

ClientSampleId :

OK-01-03212025

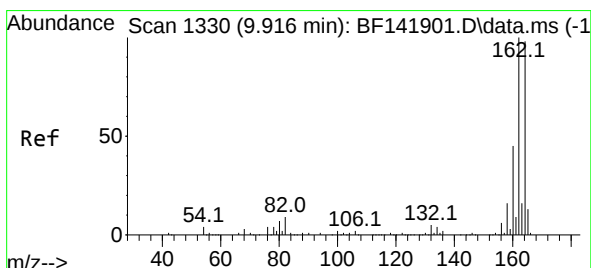
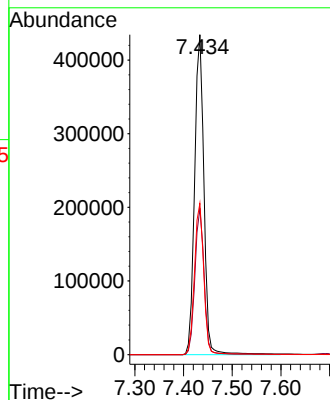
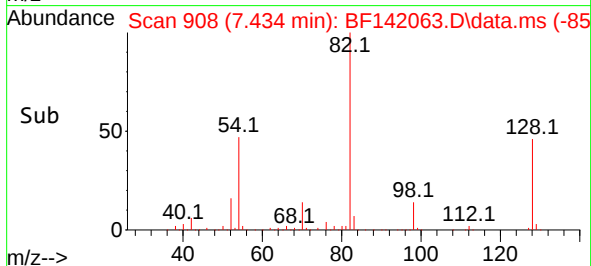


Tgt Ion: 82 Resp: 576416
Ion Ratio Lower Upper
82 100
128 45.7 36.0 54.0
54 47.3 39.6 59.4

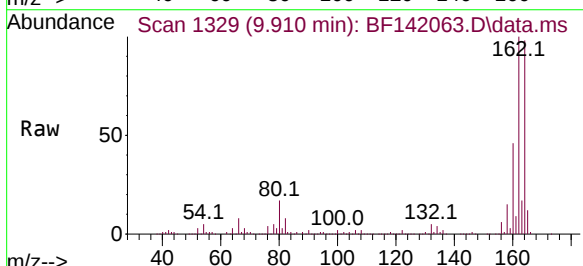
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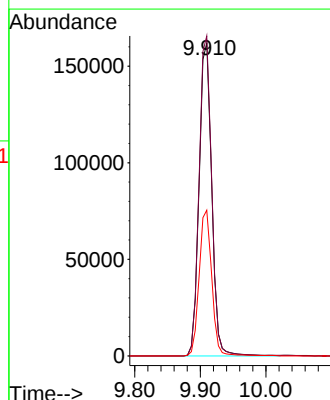
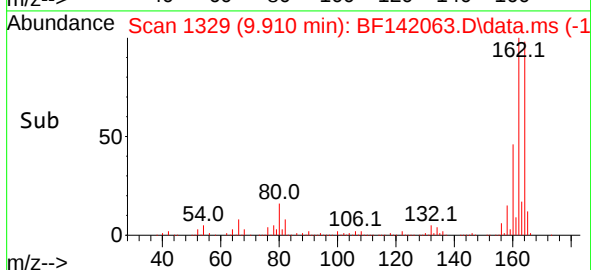
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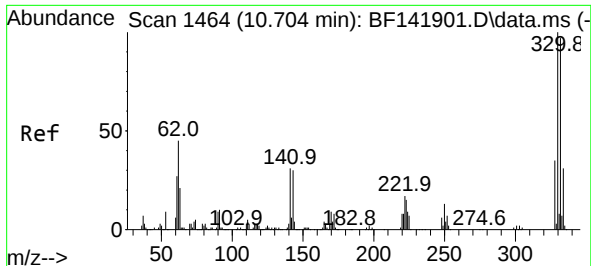


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF142063.D
Acq: 24 Mar 2025 19:23



Tgt Ion:164 Resp: 215415
Ion Ratio Lower Upper
164 100
162 102.3 81.8 122.6
160 46.6 36.7 55.1





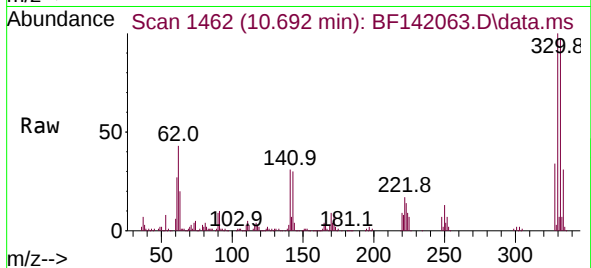
#42
2,4,6-Tribromophenol
Concen: 77.082 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF142063.D
Acq: 24 Mar 2025 19:23

Instrument :

BNA_F

ClientSampleId :

OK-01-03212025

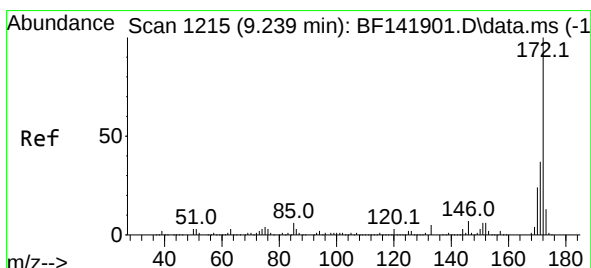
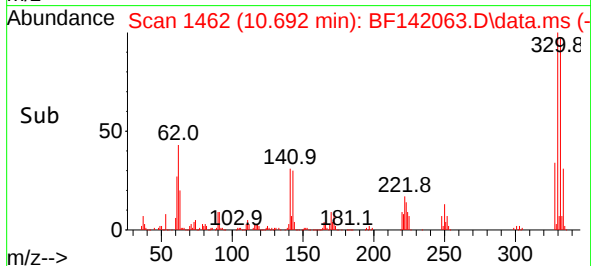
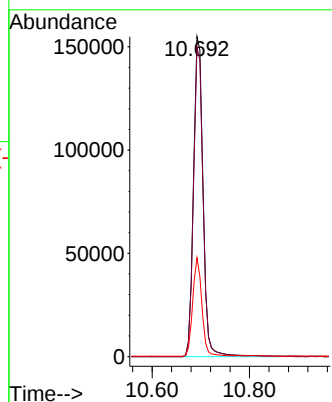


Tgt Ion: 330 Resp: 210652
Ion Ratio Lower Upper
330 100
332 96.8 77.6 116.4
141 29.4 24.7 37.1

Manual Integrations

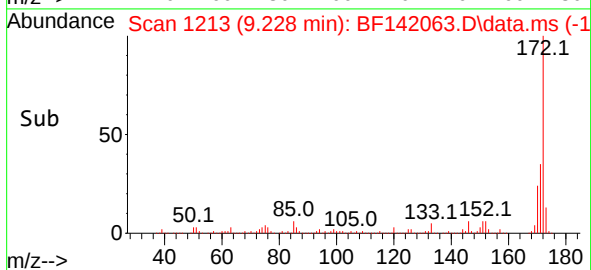
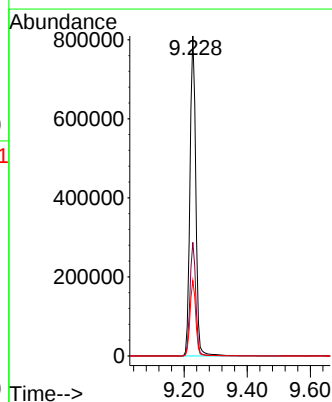
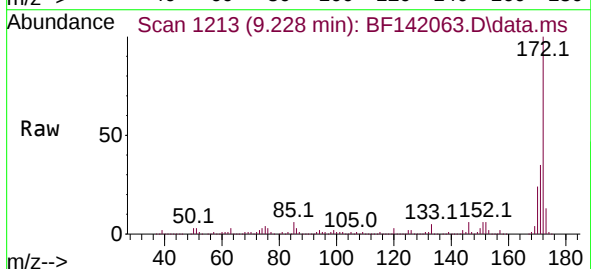
APPROVED

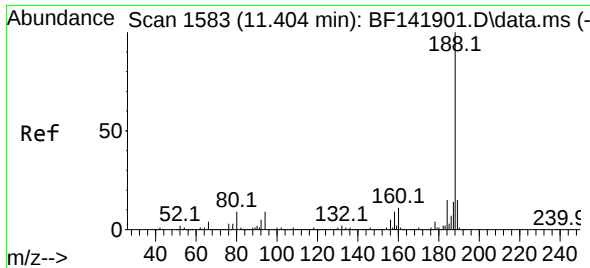
Reviewed By :Anahy Claudio 03/25/2025
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#45
2-Fluorobiphenyl
Concen: 73.044 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF142063.D
Acq: 24 Mar 2025 19:23

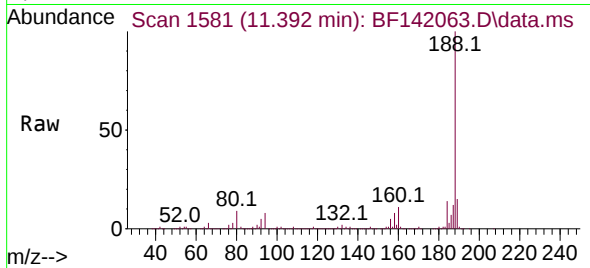
Tgt Ion: 172 Resp: 1034634
Ion Ratio Lower Upper
172 100
171 35.5 29.3 43.9
170 23.5 19.4 29.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142063.D
Acq: 24 Mar 2025 19:23

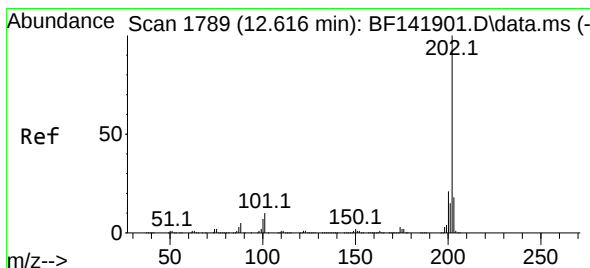
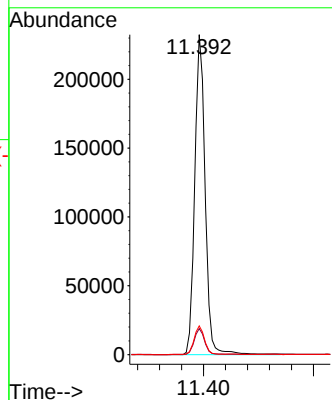
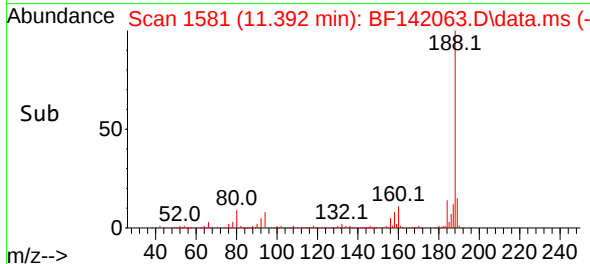
Instrument :
BNA_F
ClientSampleId :
OK-01-03212025



Tgt Ion:188 Resp: 305452
Ion Ratio Lower Upper
188 100
94 8.1 6.8 10.2
80 9.0 7.6 11.4

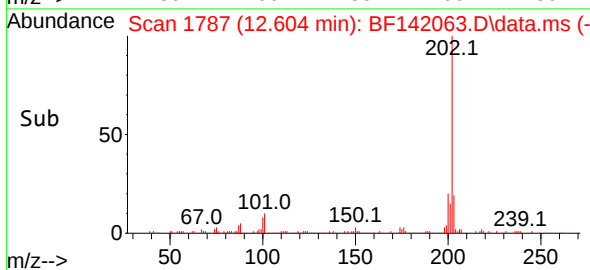
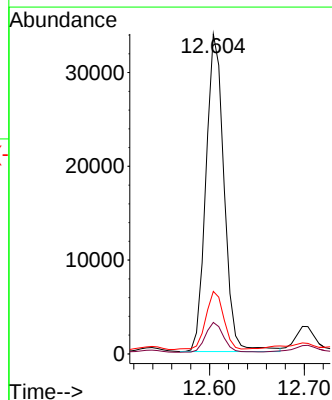
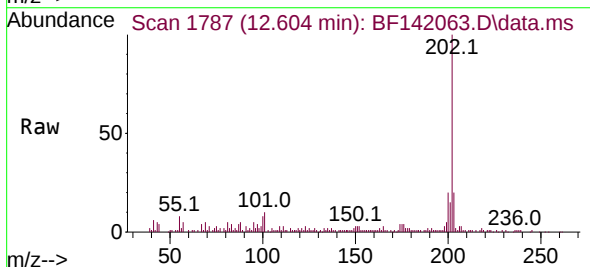
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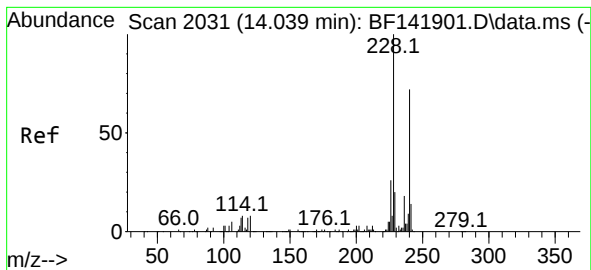
Reviewed By :Anahy Claudio 03/25/2025
Supervised By :Jagrut Upadhyay 03/25/2025



#75
Fluoranthene
Concen: 2.576 ng
RT: 12.604 min Scan# 1787
Delta R.T. -0.012 min
Lab File: BF142063.D
Acq: 24 Mar 2025 19:23

Tgt Ion:202 Resp: 45083
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.7
203 19.5 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF142063.D

Acq: 24 Mar 2025 19:23

Instrument :

BNA_F

ClientSampleId :

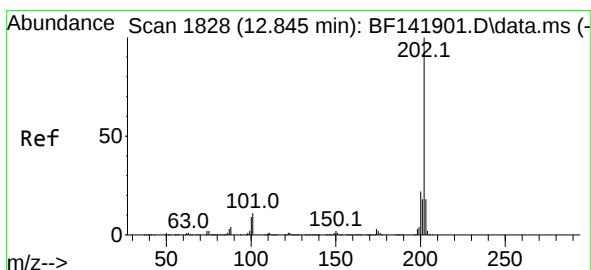
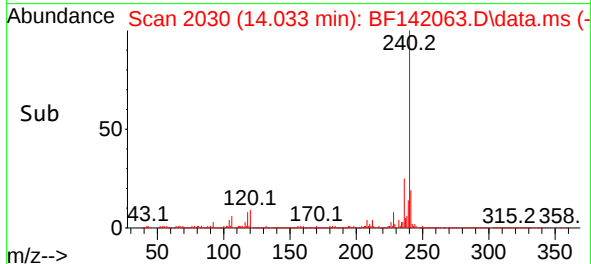
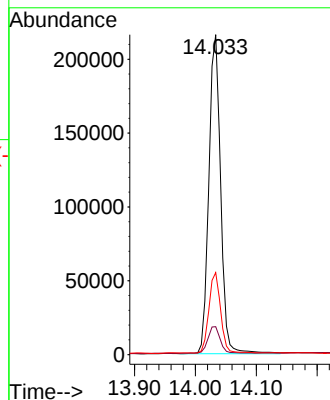
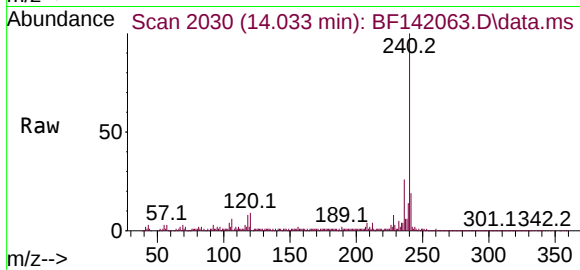
OK-01-03212025

Tgt Ion:240 Resp: 290499
 Ion Ratio Lower Upper
 240 100
 120 8.7 8.4 12.6
 236 25.6 20.5 30.7

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#78

Pyrene

Concen: 2.200 ng

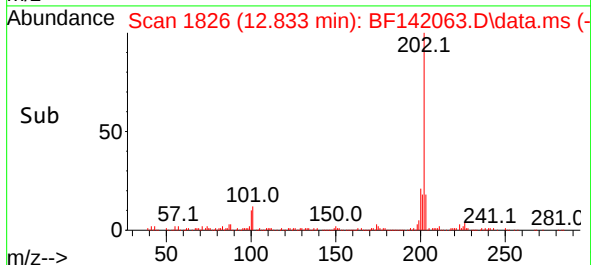
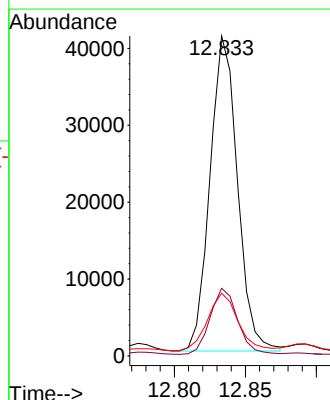
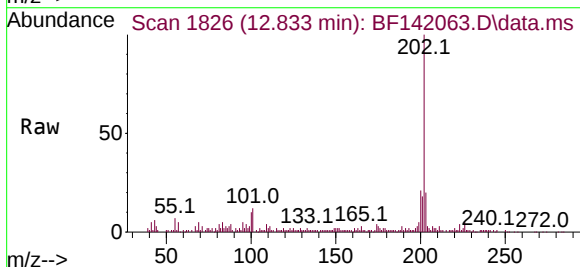
RT: 12.833 min Scan# 1826

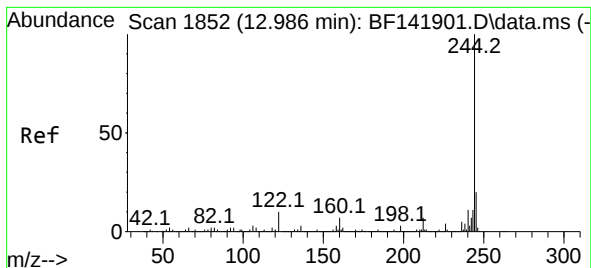
Delta R.T. -0.012 min

Lab File: BF142063.D

Acq: 24 Mar 2025 19:23

Tgt Ion:202 Resp: 55288
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.3 25.9
 203 19.6 14.4 21.6





#79

Terphenyl-d14

Concen: 43.986 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.012 min

Lab File: BF142063.D

Acq: 24 Mar 2025 19:23

Instrument :

BNA_F

ClientSampleId :

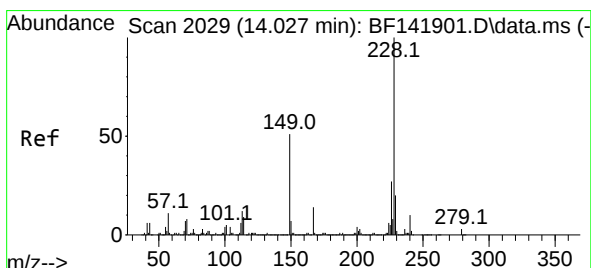
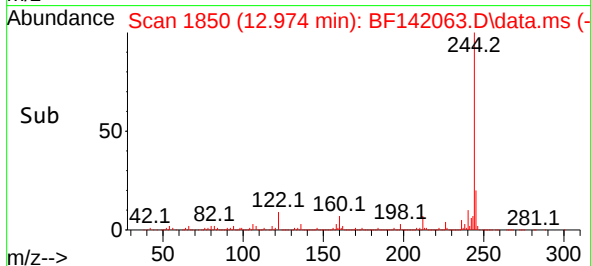
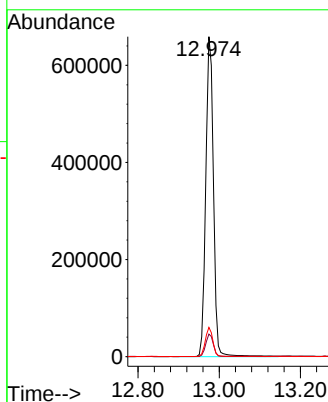
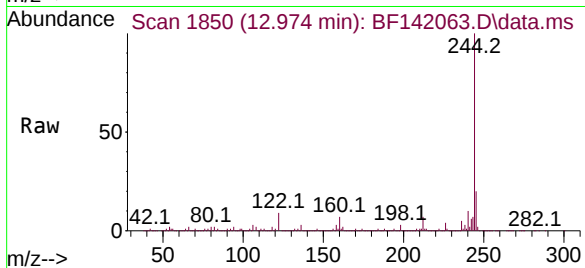
OK-01-03212025

Tgt Ion:244 Resp: 864264
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 9.1 7.7 11.5

Manual Integrations

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#81

Benzo(a)anthracene

Concen: 2.216 ng

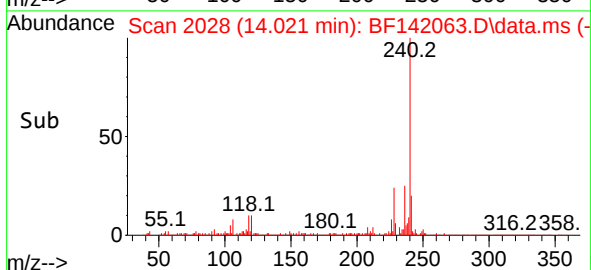
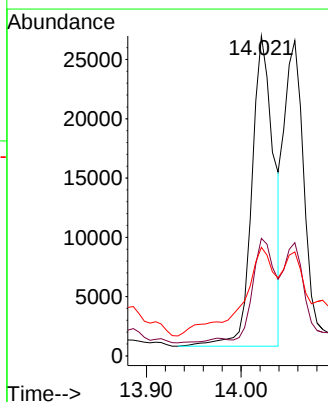
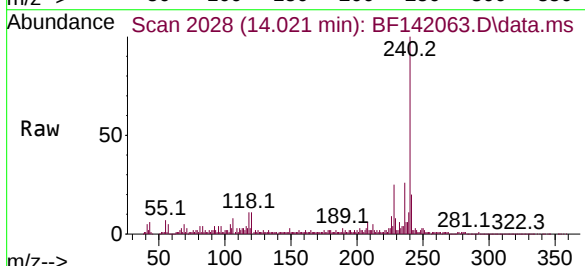
RT: 14.021 min Scan# 2028

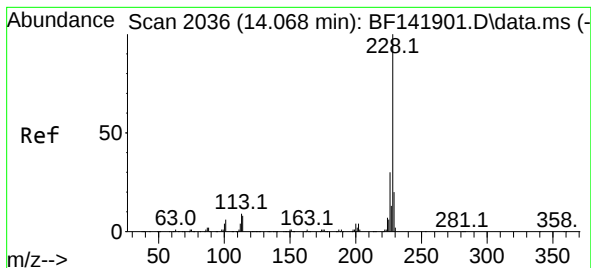
Delta R.T. -0.006 min

Lab File: BF142063.D

Acq: 24 Mar 2025 19:23

Tgt Ion:228 Resp: 42248
 Ion Ratio Lower Upper
 228 100
 226 36.7 21.8 32.8#
 229 33.9 16.0 24.0#





#83

Chrysene

Concen: 2.160 ng

RT: 14.057 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF142063.D

Acq: 24 Mar 2025 19:23

Instrument :

BNA_F

ClientSampleId :

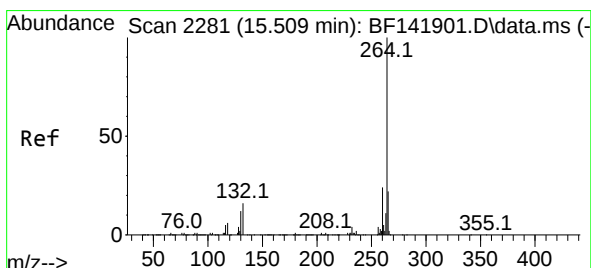
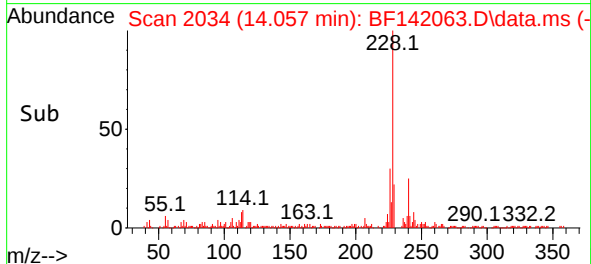
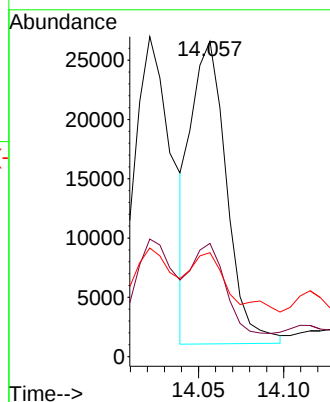
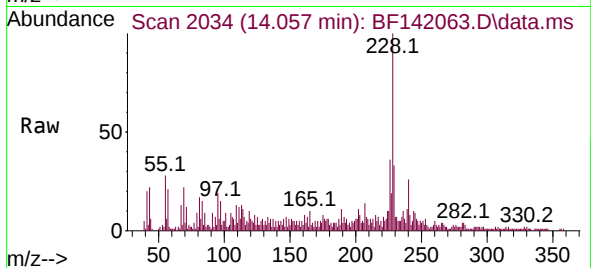
OK-01-03212025

Tgt Ion:	228	Resp:	3732
Ion Ratio	Lower	Upper	
228	100		
226	35.9	24.1	36.1
229	33.0	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/25/2025
Supervised By :Jagrut Upadhyay 03/25/2025



#86

Perylene-d12

Concen: 20.000 ng

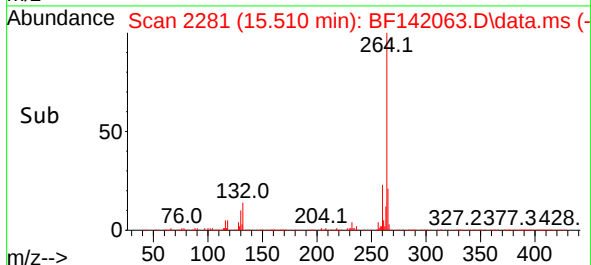
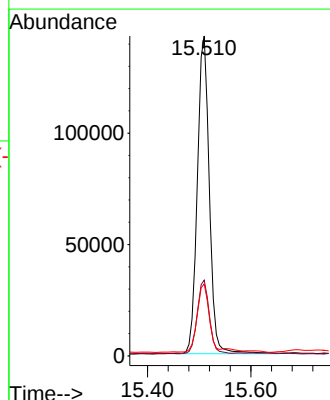
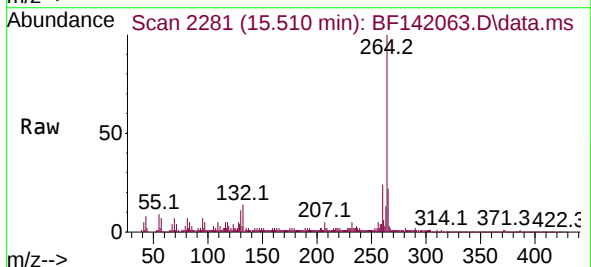
RT: 15.510 min Scan# 2281

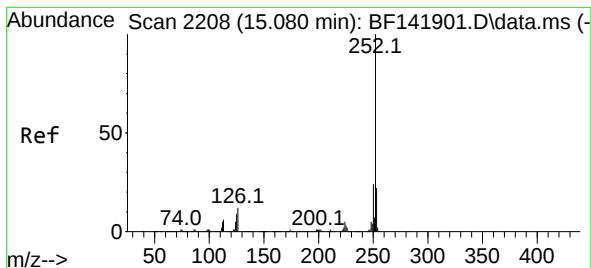
Delta R.T. 0.000 min

Lab File: BF142063.D

Acq: 24 Mar 2025 19:23

Tgt Ion:	264	Resp:	230138
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.1	28.7
265	22.5	17.5	26.3





#88

Benzo(b)fluoranthene

Concen: 2.878 ng m

RT: 15.074 min Scan# 2208

Delta R.T. -0.006 min

Lab File: BF142063.D

Acq: 24 Mar 2025 19:23

Instrument :

BNA_F

ClientSampleId :

OK-01-03212025

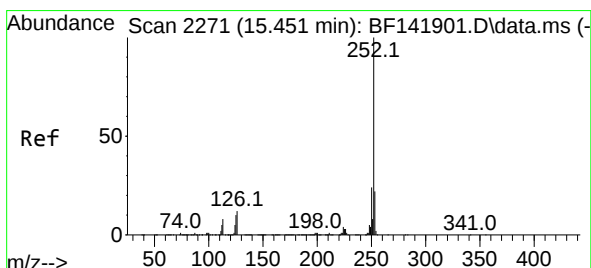
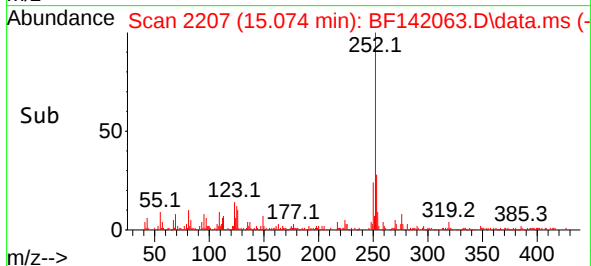
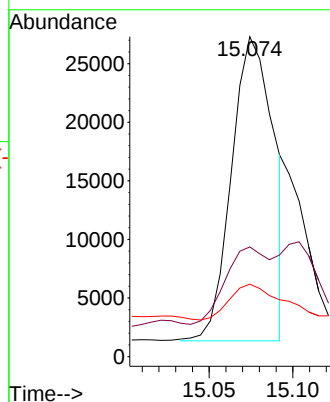
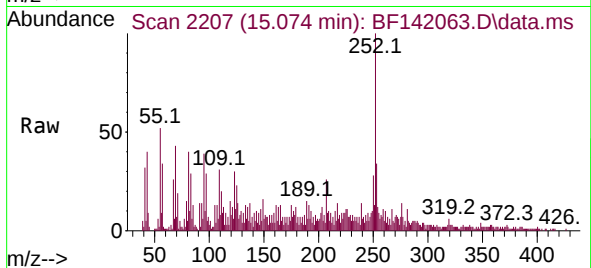
Tgt Ion:252 Resp: 45386
 Ion Ratio Lower Upper
 252 100
 253 34.3 17.5 26.3#
 125 22.6 7.0 10.4#

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/25/2025

Supervised By :Jagrut Upadhyay 03/25/2025



#90

Benzo(a)pyrene

Concen: 2.454 ng

RT: 15.445 min Scan# 2270

Delta R.T. -0.006 min

Lab File: BF142063.D

Acq: 24 Mar 2025 19:23

Tgt Ion:252 Resp: 30292
 Ion Ratio Lower Upper
 252 100
 253 32.5 17.4 26.0#
 125 23.8 7.8 11.8#

