

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
 Data File : BF142439.D
 Acq On : 16 May 2025 21:08
 Operator : RC/JU
 Sample : Q2043-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12000

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/19/2025
 Supervised By :Jagrut Upadhyay 05/19/2025

Quant Time: May 17 01:48:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	92726	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	320444	20.000	ng	0.00
39) Acenaphthene-d10	9.951	164	115518	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	103903	20.000	ng	# 0.06
76) Chrysene-d12	14.092	240	124174	20.000	ng	# 0.02
86) Perylene-d12	15.580	264	131325	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	447712	82.423	ng	0.00
7) Phenol-d6	6.522	99	528360	79.087	ng	0.00
23) Nitrobenzene-d5	7.457	82	285747	54.384	ng	-0.01
42) 2,4,6-Tribromophenol	10.763	330	104374	93.583	ng	0.03
45) 2-Fluorobiphenyl	9.257	172	546888	67.504	ng	0.00
79) Terphenyl-d14	13.057	244	321022	38.265	ng	0.04
Target Compounds						Qvalue
46) 1,1'-Biphenyl	9.363	154	28460	3.213	ng	94
71) Phenanthrene	11.516	178	58552	10.751	ng	# 1
75) Fluoranthene	12.704	202	46115	8.470	ng	# 37
78) Pyrene	12.927	202	62695	5.672	ng	# 58
81) Benzo(a)anthracene	14.080	228	43180	5.370	ng	# 80
83) Chrysene	14.116	228	41706	5.571	ng	# 81
84) Bis(2-ethylhexyl)phtha...	14.069	149	127718	31.958	ng	# 81
85) Di-n-octyl phthalate	14.674	149	186094	28.398	ng	# 73
88) Benzo(b)fluoranthene	15.139	252	45263m	5.691	ng	
90) Benzo(a)pyrene	15.516	252	27906	3.915	ng	# 1

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

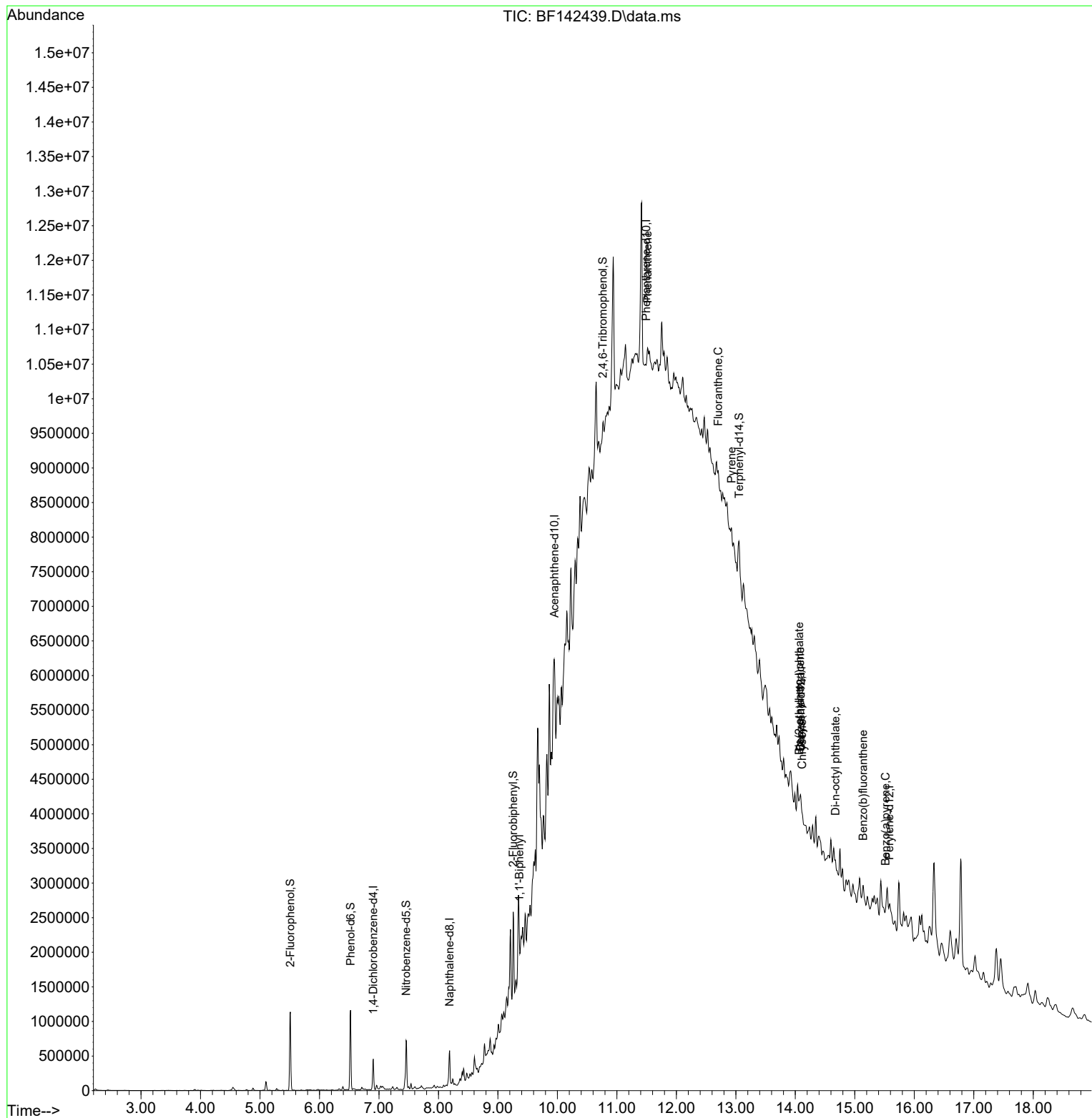
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
Data File : BF142439.D
Acq On : 16 May 2025 21:08
Operator : RC/JU
Sample : Q2043-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
72-12000

Quant Time: May 17 01:48:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

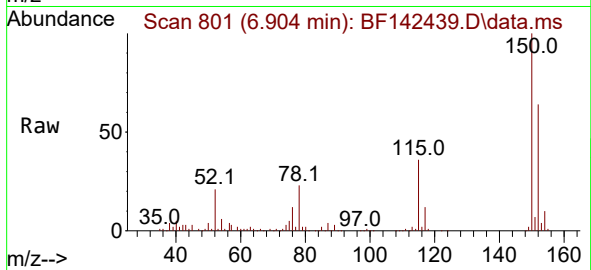
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142439.D
Acq: 16 May 2025 21:08

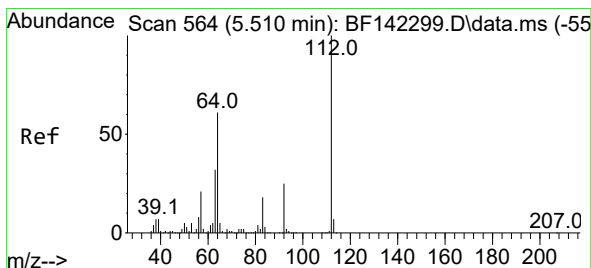
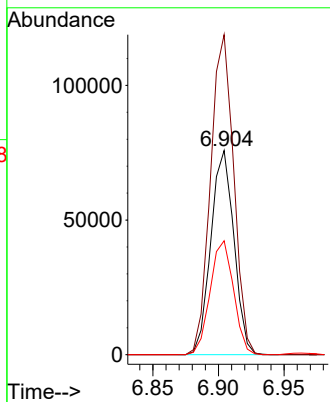
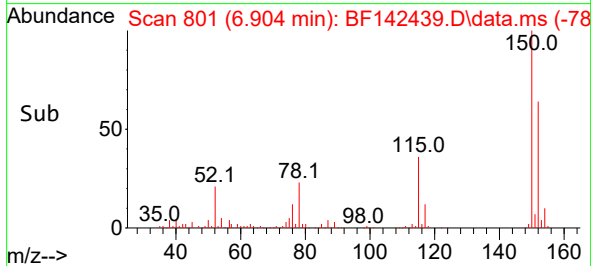
Instrument :
BNA_F
ClientSampleId :
72-12000



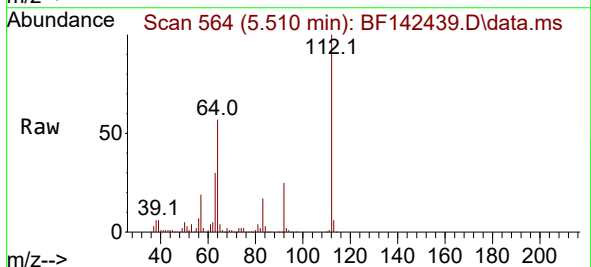
Tgt Ion:152 Resp: 92720
Ion Ratio Lower Upper
152 100
150 156.7 126.6 190.0
115 55.8 47.3 70.9

Manual Integrations
APPROVED

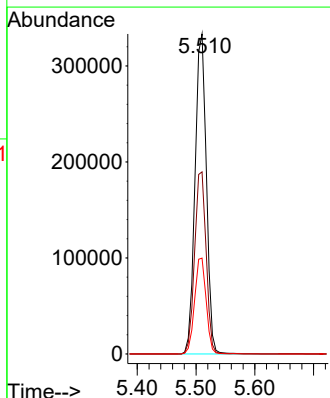
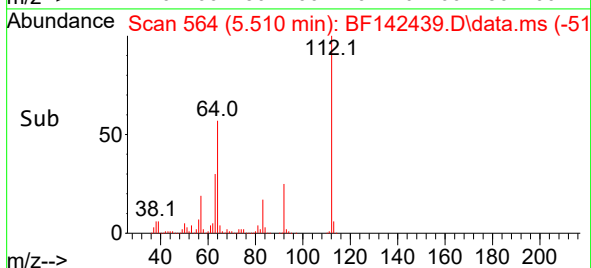
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

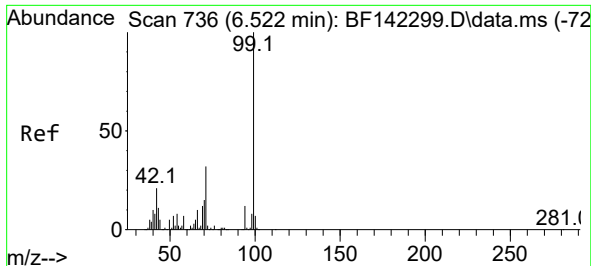


#5
2-Fluorophenol
Concen: 82.423 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF142439.D
Acq: 16 May 2025 21:08



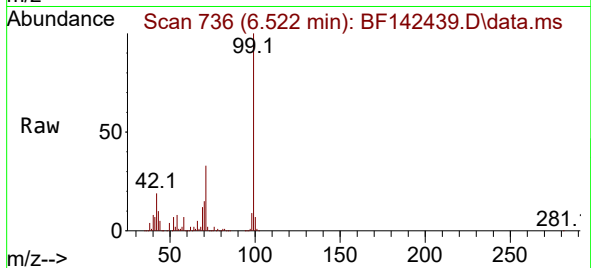
Tgt Ion:112 Resp: 447712
Ion Ratio Lower Upper
112 100
64 56.9 48.9 73.3
63 29.9 25.6 38.4





#7
Phenol-d6
Concen: 79.087 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142439.D
Acq: 16 May 2025 21:08

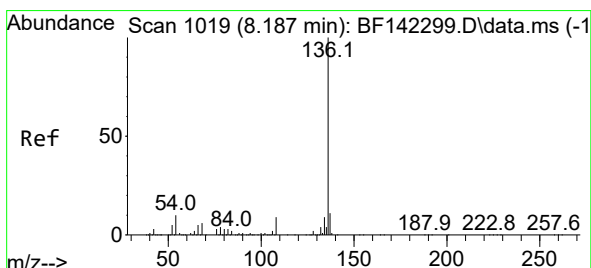
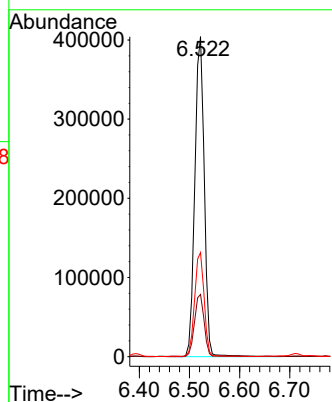
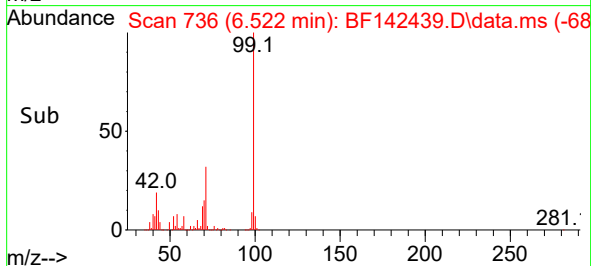
Instrument :
BNA_F
ClientSampleId :
72-12000



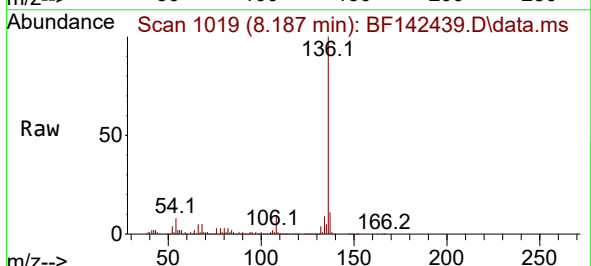
Tgt Ion: 99 Resp: 528360
Ion Ratio Lower Upper
99 100
42 19.4 17.0 25.4
71 32.6 25.8 38.8

Manual Integrations
APPROVED

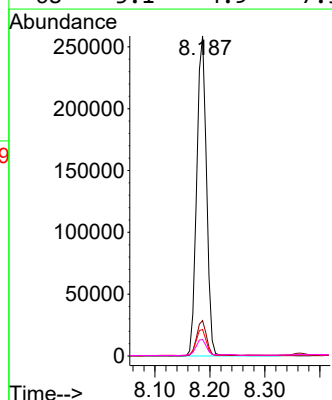
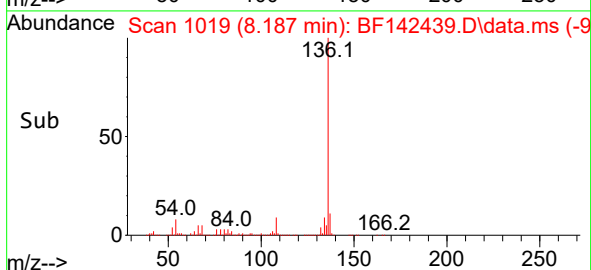
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

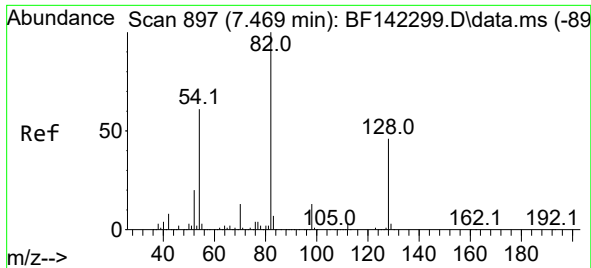


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF142439.D
Acq: 16 May 2025 21:08



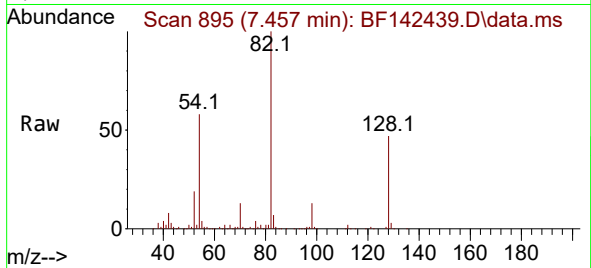
Tgt Ion:136 Resp: 320444
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.3 7.7 11.5
68 5.1 4.9 7.3





#23
Nitrobenzene-d5
Concen: 54.384 ng
RT: 7.457 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF142439.D
Acq: 16 May 2025 21:08

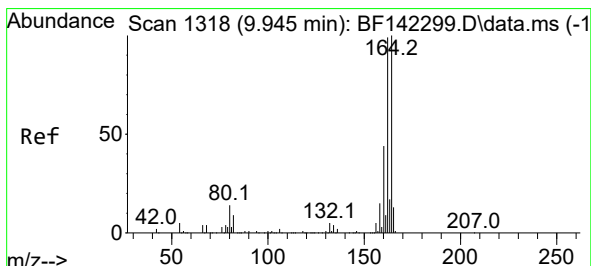
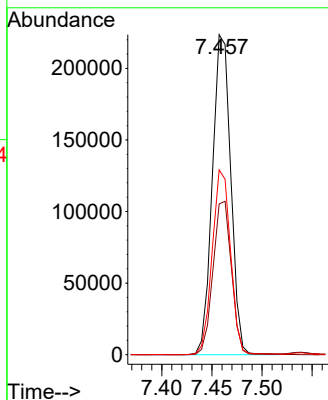
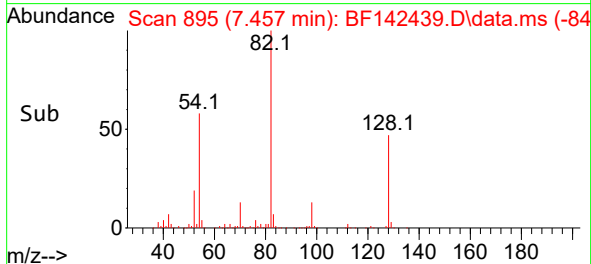
Instrument :
BNA_F
ClientSampleId :
72-12000



Tgt Ion: 82 Resp: 28574
Ion Ratio Lower Upper
82 100
128 47.1 37.0 55.6
54 57.8 48.6 73.0

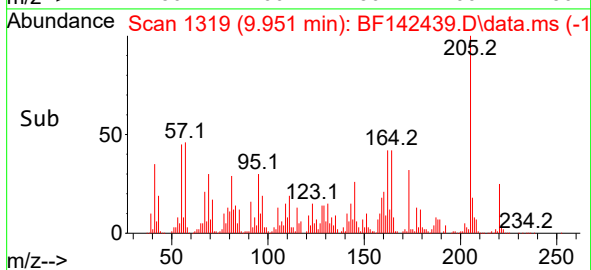
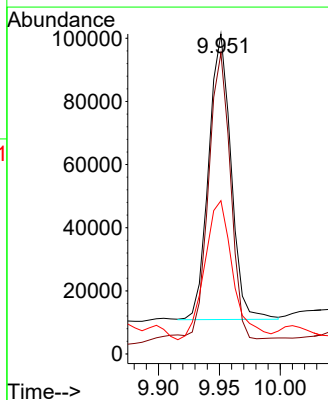
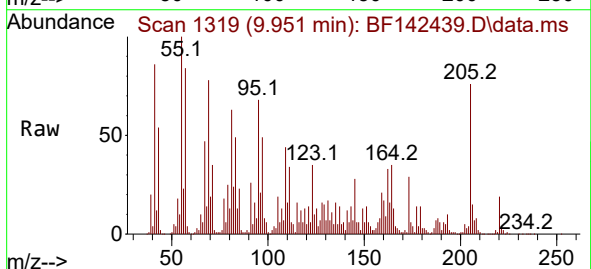
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.006 min
Lab File: BF142439.D
Acq: 16 May 2025 21:08

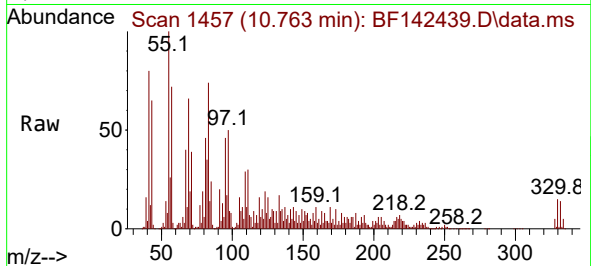
Tgt Ion:164 Resp: 115518
Ion Ratio Lower Upper
164 100
162 94.0 79.2 118.8
160 47.9 35.3 52.9





#42
2,4,6-Tribromophenol
Concen: 93.583 ng
RT: 10.763 min Scan# 1452
Delta R.T. 0.029 min
Lab File: BF142439.D
Acq: 16 May 2025 21:08

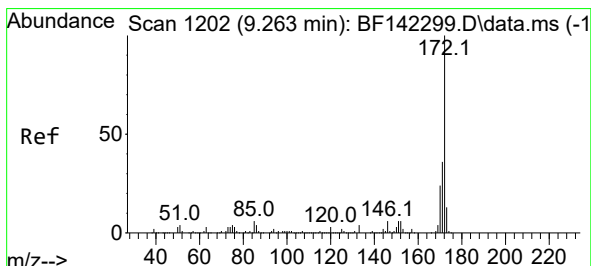
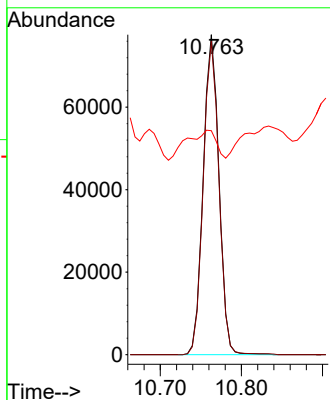
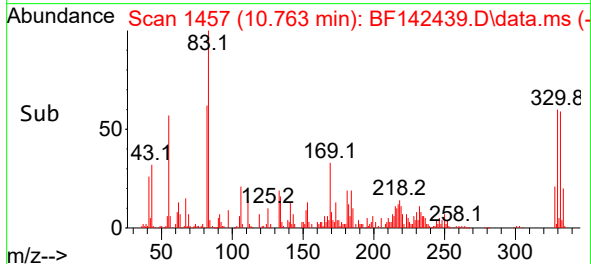
Instrument :
BNA_F
ClientSampleId :
72-12000



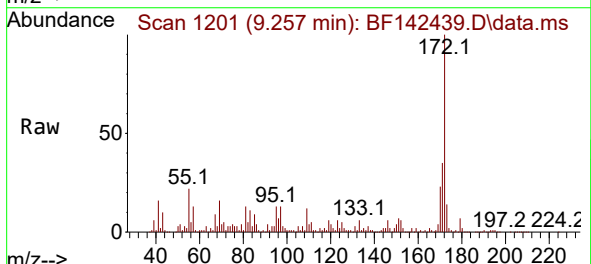
Tgt Ion: 330 Resp: 104374
Ion Ratio Lower Upper
330 100
332 97.6 76.8 115.2
141 17.5 24.9 37.3

Manual Integrations
APPROVED

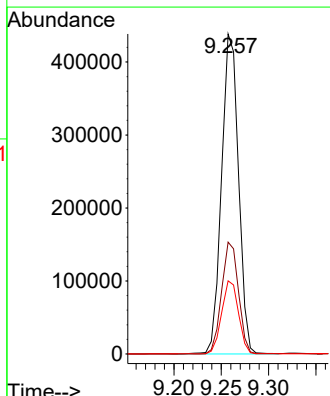
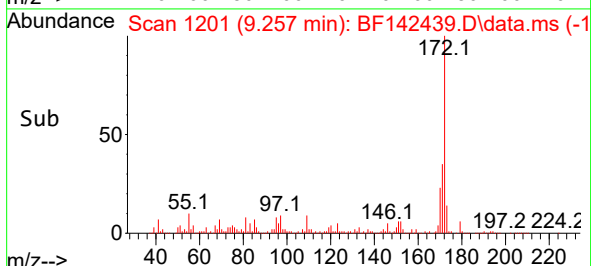
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

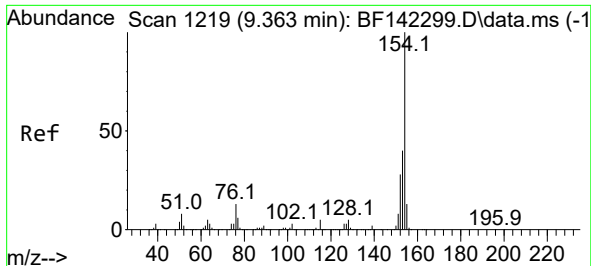


#45
2-Fluorobiphenyl
Concen: 67.504 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142439.D
Acq: 16 May 2025 21:08



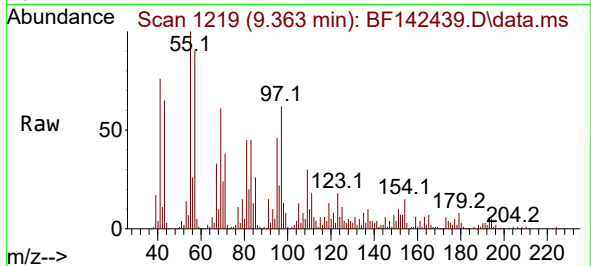
Tgt Ion: 172 Resp: 546888
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 22.9 19.0 28.4





#46
1,1'-Biphenyl
Concen: 3.213 ng
RT: 9.363 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142439.D
Acq: 16 May 2025 21:08

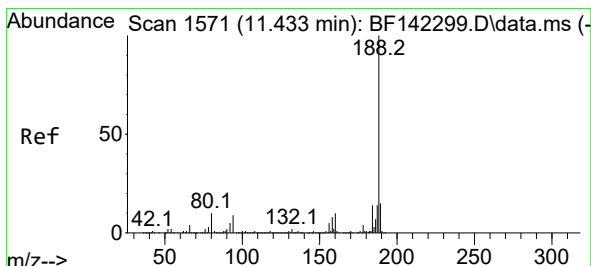
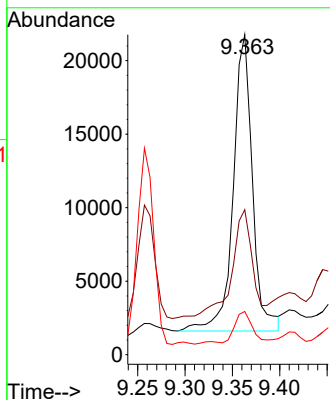
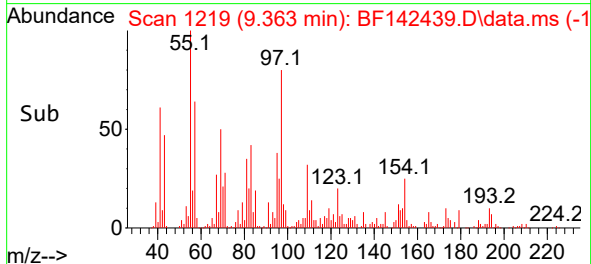
Instrument :
BNA_F
ClientSampleId :
72-12000



Tgt Ion:154 Resp: 28460
Ion Ratio Lower Upper
154 100
153 45.3 20.5 60.5
76 13.5 0.0 32.8

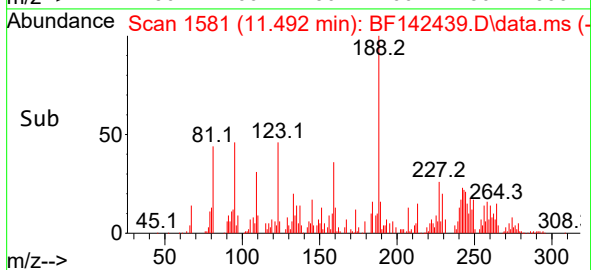
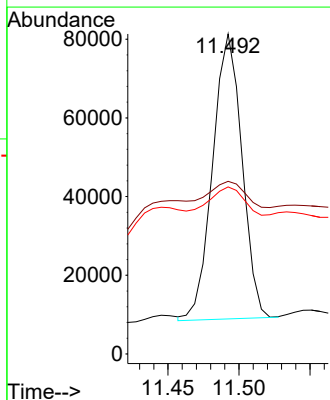
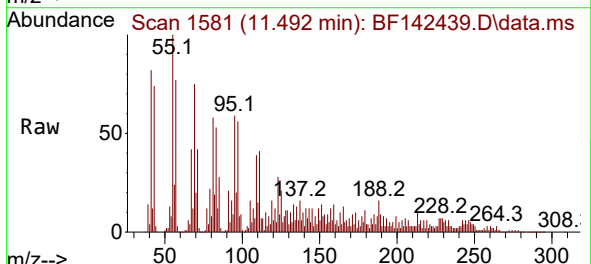
Manual Integrations
APPROVED

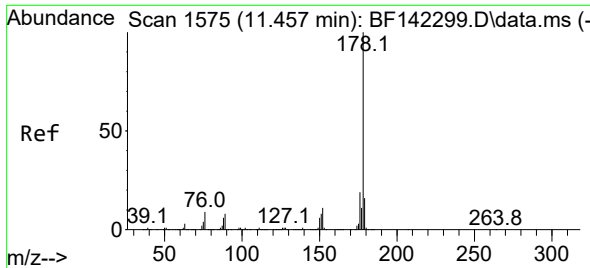
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.059 min
Lab File: BF142439.D
Acq: 16 May 2025 21:08

Tgt Ion:188 Resp: 103903
Ion Ratio Lower Upper
188 100
94 53.9 7.5 11.3#
80 52.2 7.9 11.9#





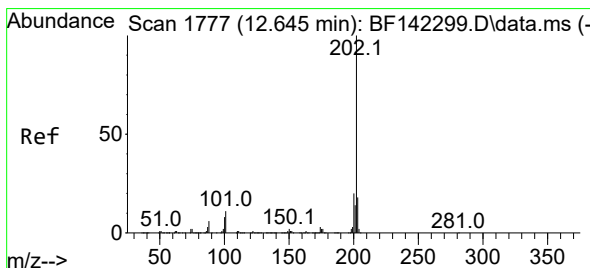
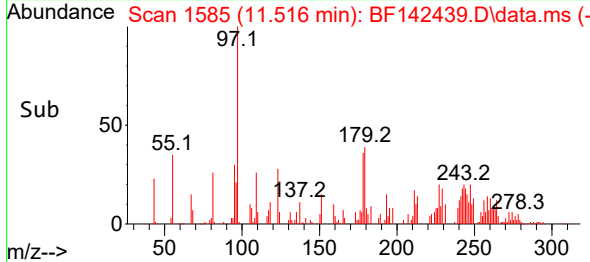
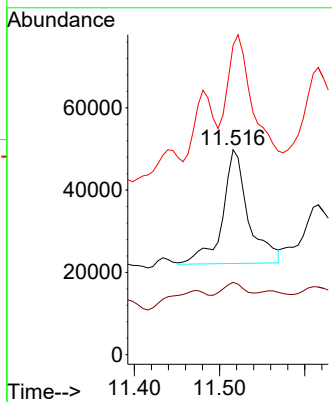
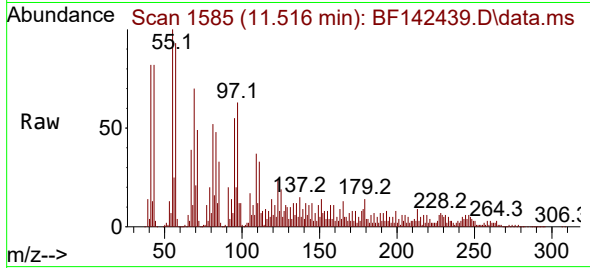
#71
Phenanthrene
Concen: 10.751 ng
RT: 11.516 min Scan# 1155
Delta R.T. 0.059 min
Lab File: BF142439.D
Acq: 16 May 2025 21:08

Instrument :
BNA_F
ClientSampleId :
72-12000

Tgt Ion:178 Resp: 5855
Ion Ratio Lower Upper
178 100
176 35.3 15.5 23.3
179 150.9 12.6 18.8

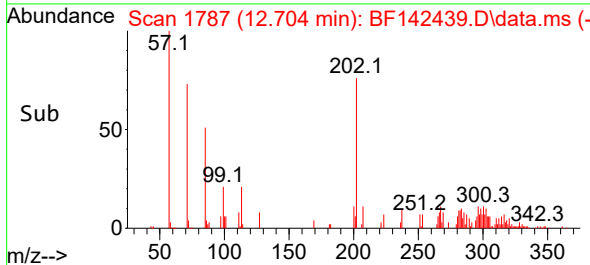
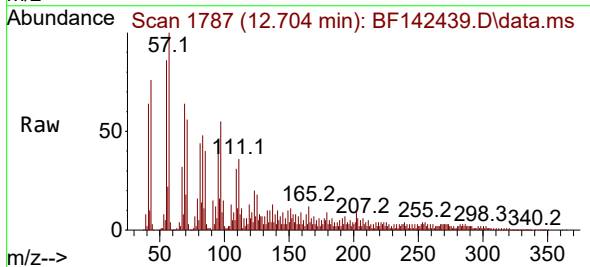
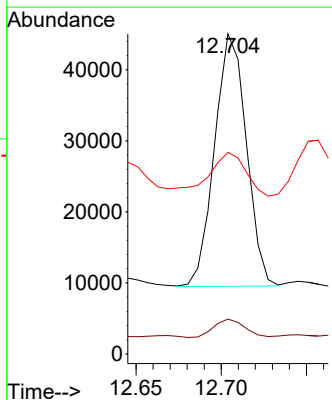
Manual Integrations
APPROVED

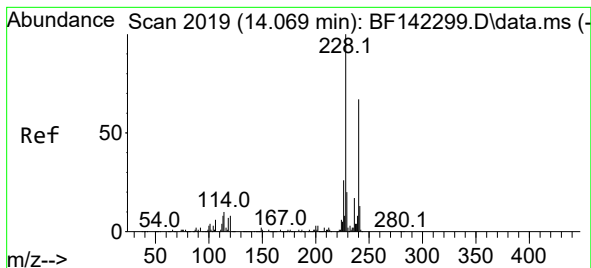
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



#75
Fluoranthene
Concen: 8.470 ng
RT: 12.704 min Scan# 1787
Delta R.T. 0.059 min
Lab File: BF142439.D
Acq: 16 May 2025 21:08

Tgt Ion:202 Resp: 46115
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.4
203 63.0 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.092 min Scan# 2019

Delta R.T. 0.024 min

Lab File: BF142439.D

Acq: 16 May 2025 21:08

Instrument :

BNA_F

ClientSampleId :

72-12000

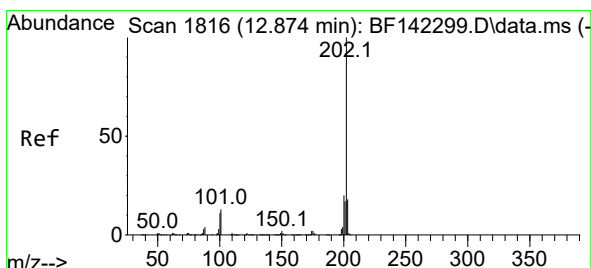
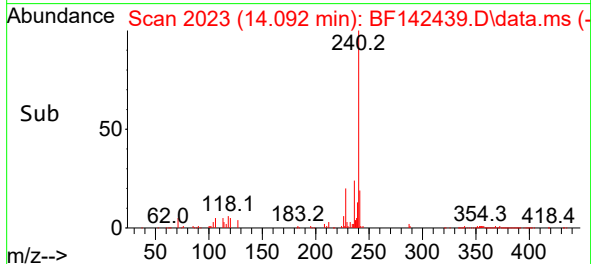
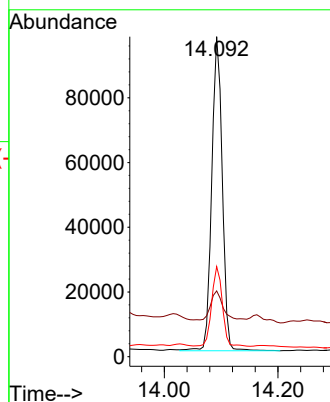
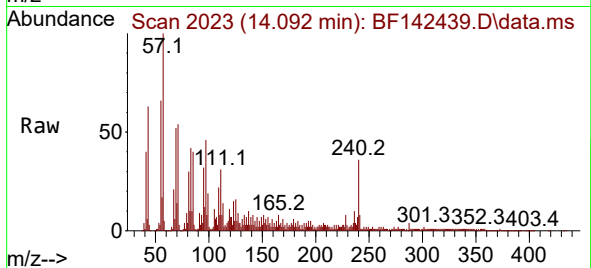
Tgt Ion:240 Resp: 124174
 Ion Ratio Lower Upper
 240 100
 120 20.6 9.7 14.5#
 236 28.2 20.0 30.0#

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/19/2025

Supervised By :Jagrut Upadhyay 05/19/2025



#78

Pyrene

Concen: 5.672 ng

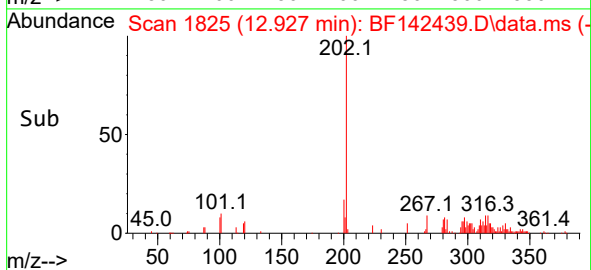
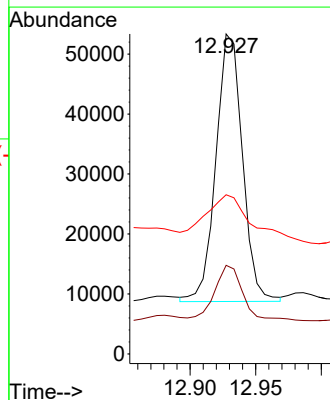
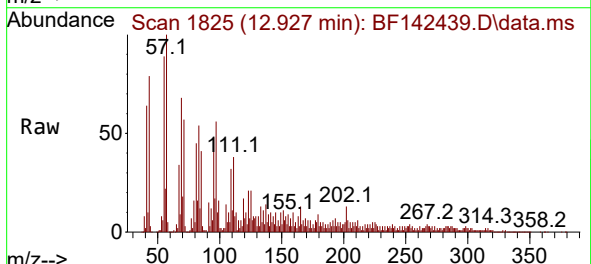
RT: 12.927 min Scan# 1825

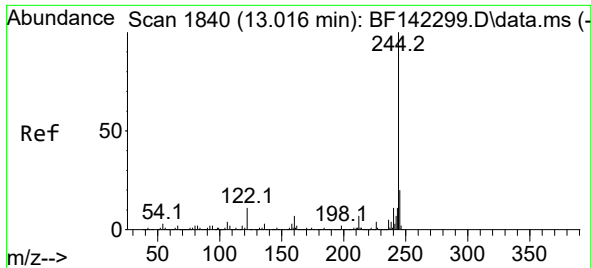
Delta R.T. 0.053 min

Lab File: BF142439.D

Acq: 16 May 2025 21:08

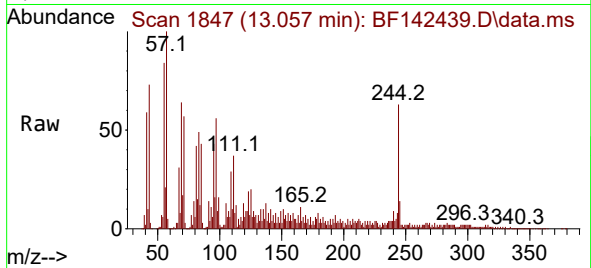
Tgt Ion:202 Resp: 62695
 Ion Ratio Lower Upper
 202 100
 200 27.7 16.2 24.4#
 203 49.8 14.3 21.5#





#79
Terphenyl-d14
Concen: 38.265 ng
RT: 13.057 min Scan# 11
Delta R.T. 0.041 min
Lab File: BF142439.D
Acq: 16 May 2025 21:08

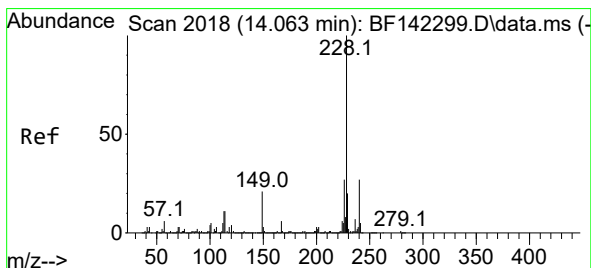
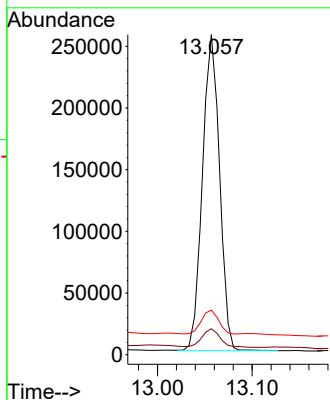
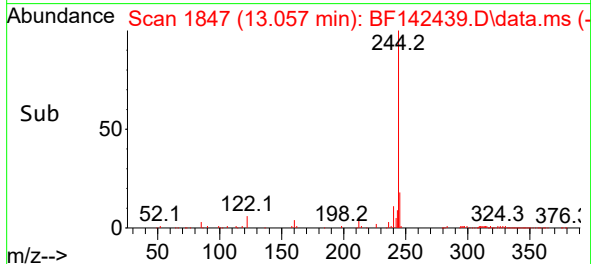
Instrument :
BNA_F
ClientSampleId :
72-12000



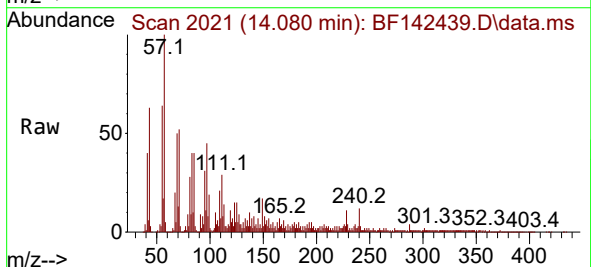
Tgt Ion:244 Resp: 32102
Ion Ratio Lower Upper
244 100
212 8.1 5.4 8.2
122 13.9 9.0 13.4

Manual Integrations
APPROVED

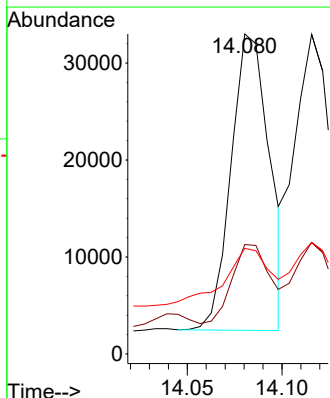
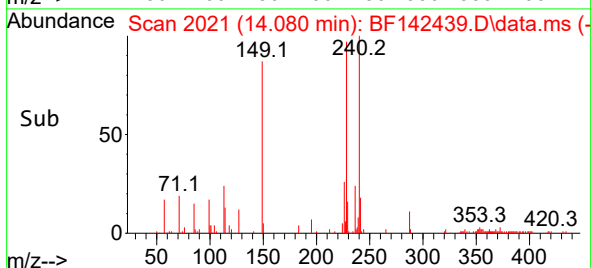
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

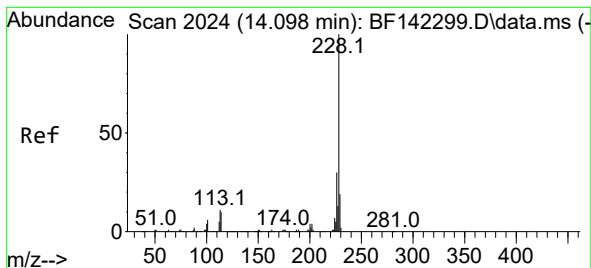


#81
Benzo(a)anthracene
Concen: 5.370 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.018 min
Lab File: BF142439.D
Acq: 16 May 2025 21:08



Tgt Ion:228 Resp: 43180
Ion Ratio Lower Upper
228 100
226 34.2 21.5 32.3#
229 33.0 15.9 23.9#





#83

Chrysene

Concen: 5.571 ng

RT: 14.116 min Scan# 20

Delta R.T. 0.018 min

Lab File: BF142439.D

Acq: 16 May 2025 21:08

Instrument :

BNA_F

ClientSampleId :

72-12000

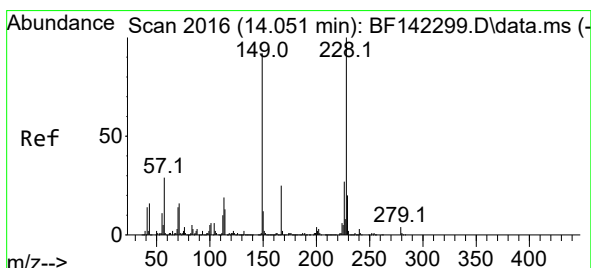
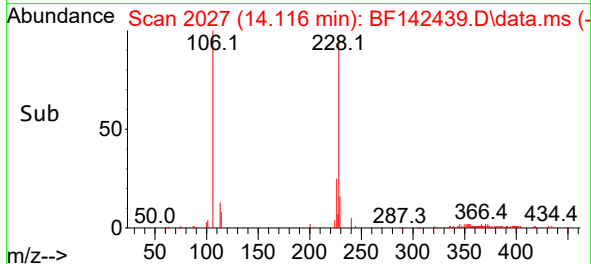
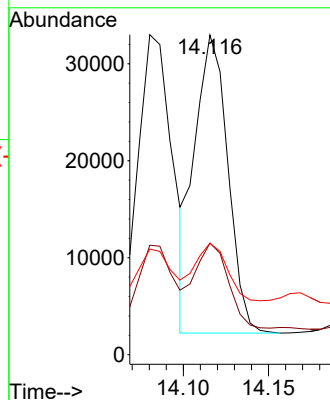
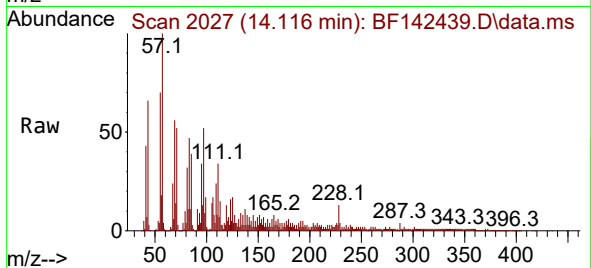
Tgt Ion:228 Resp: 41700
 Ion Ratio Lower Upper
 228 100
 226 34.9 23.9 35.9
 229 34.9 15.4 23.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/19/2025

Supervised By :Jagrut Upadhyay 05/19/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 31.958 ng

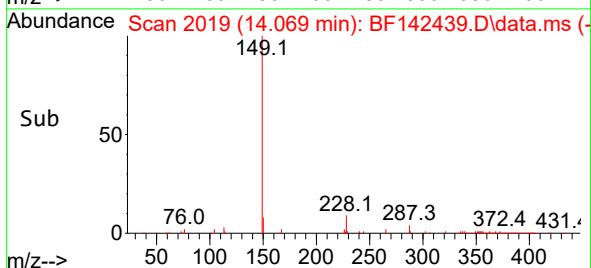
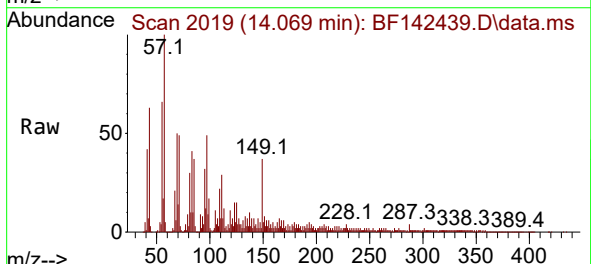
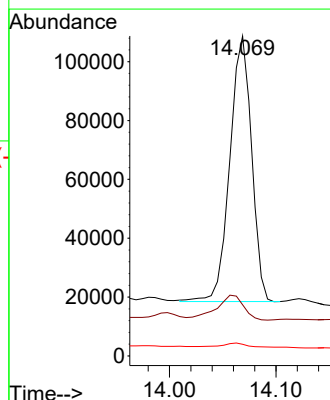
RT: 14.069 min Scan# 2019

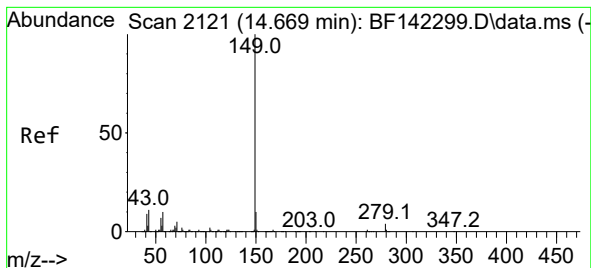
Delta R.T. 0.018 min

Lab File: BF142439.D

Acq: 16 May 2025 21:08

Tgt Ion:149 Resp: 127718
 Ion Ratio Lower Upper
 149 100
 167 16.0 22.0 33.0#
 279 3.7 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 28.398 ng

RT: 14.674 min Scan# 2121

Delta R.T. 0.005 min

Lab File: BF142439.D

Acq: 16 May 2025 21:08

Instrument :

BNA_F

ClientSampleId :

72-12000

Tgt Ion:149 Resp: 186094

Ion Ratio Lower Upper

149 100

167 2.5 1.1 1.7

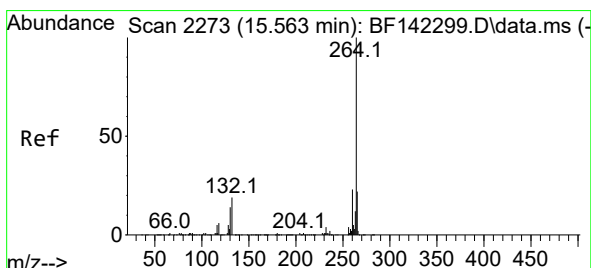
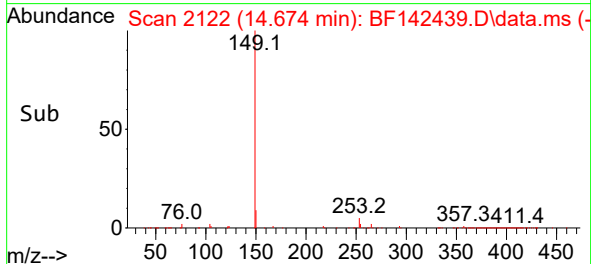
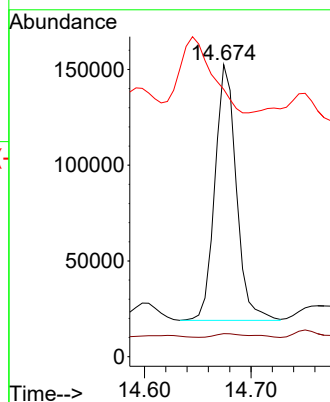
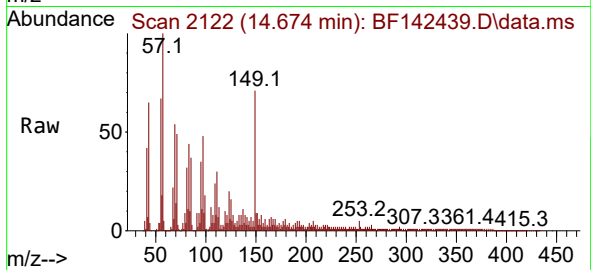
43 0.0 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/19/2025

Supervised By :Jagrut Upadhyay 05/19/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 2276

Delta R.T. 0.018 min

Lab File: BF142439.D

Acq: 16 May 2025 21:08

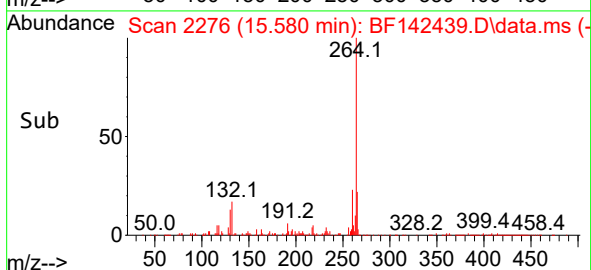
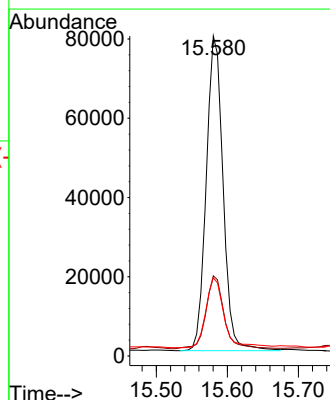
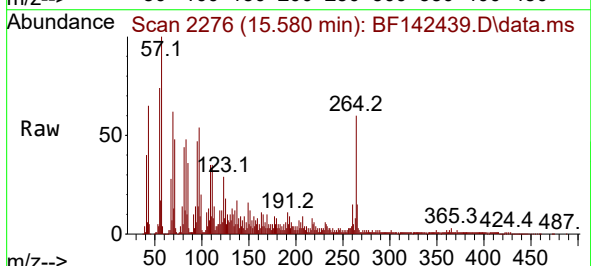
Tgt Ion:264 Resp: 131325

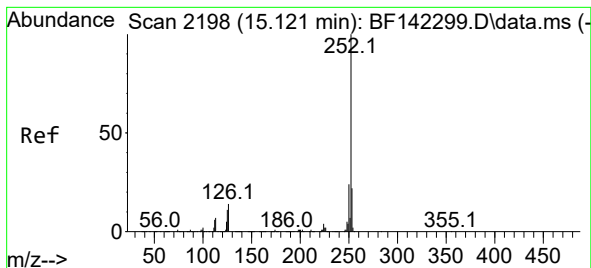
Ion Ratio Lower Upper

264 100

260 25.0 18.6 27.8

265 24.4 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 5.691 ng m

RT: 15.139 min Scan# 2198

Delta R.T. 0.018 min

Lab File: BF142439.D

Acq: 16 May 2025 21:08

Instrument :

BNA_F

ClientSampleId :

72-12000

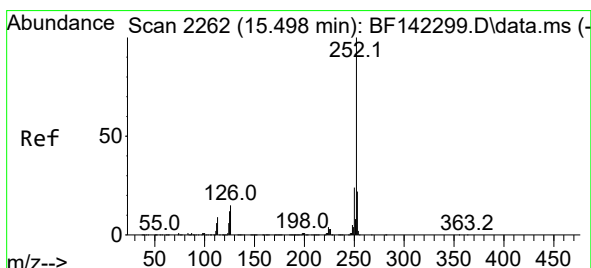
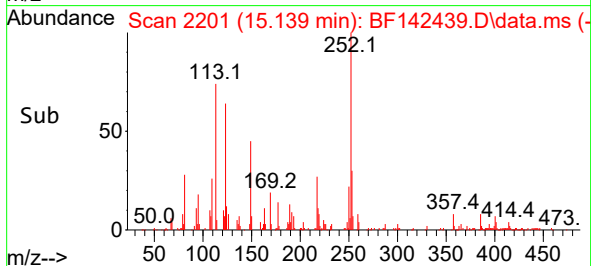
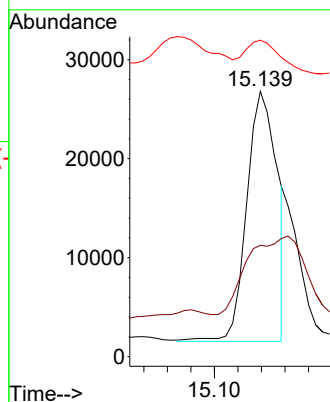
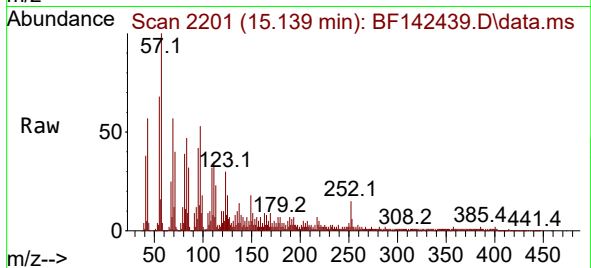
Tgt Ion:252 Resp: 45263
 Ion Ratio Lower Upper
 252 100
 253 42.0 17.7 26.5#
 125 119.3 8.7 13.1#

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/19/2025

Supervised By :Jagrut Upadhyay 05/19/2025



#90

Benzo(a)pyrene

Concen: 3.915 ng

RT: 15.516 min Scan# 2265

Delta R.T. 0.018 min

Lab File: BF142439.D

Acq: 16 May 2025 21:08

Tgt Ion:252 Resp: 27906
 Ion Ratio Lower Upper
 252 100
 253 36.2 17.8 26.6#
 125 151.0 9.4 14.0#

