

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072425\
 Data File : BF143242.D
 Acq On : 24 Jul 2025 19:24
 Operator : RC/JU
 Sample : Q2677-03 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-07222025

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/25/2025
 Supervised By :Jagrut Upadhyay 07/25/2025

Quant Time: Jul 25 01:18:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	89947	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	316173	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	159461	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	292197	20.000	ng	0.00
76) Chrysene-d12	14.127	240	212127	20.000	ng	0.00
86) Perylene-d12	15.633	264	152418	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	211580	37.224	ng	0.00
7) Phenol-d6	6.581	99	255888	35.767	ng	0.00
23) Nitrobenzene-d5	7.516	82	159412	25.132	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	65008	39.463	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	315882	27.092	ng	0.00
79) Terphenyl-d14	13.069	244	379235	26.604	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.857	152	41100	2.664	ng	99
58) Fluorene	10.545	166	23293	2.293	ng	98
71) Phenanthrene	11.510	178	182966	11.793	ng	99
72) Anthracene	11.557	178	63687	4.025	ng	98
75) Fluoranthene	12.698	202	352949	24.785	ng	99
78) Pyrene	12.927	202	444637	24.560	ng	99
81) Benzo(a)anthracene	14.116	228	186382	13.124	ng	# 92
83) Chrysene	14.151	228	154832	12.126	ng	# 95
87) Indeno(1,2,3-cd)pyrene	17.168	276	46440	4.321	ng	97
88) Benzo(b)fluoranthene	15.186	252	118725m	12.751	ng	
89) Benzo(k)fluoranthene	15.204	252	39642m	4.771	ng	
90) Benzo(a)pyrene	15.568	252	96749	11.277	ng	# 93
92) Benzo(g,h,i)perylene	17.639	276	49231	5.818	ng	96

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

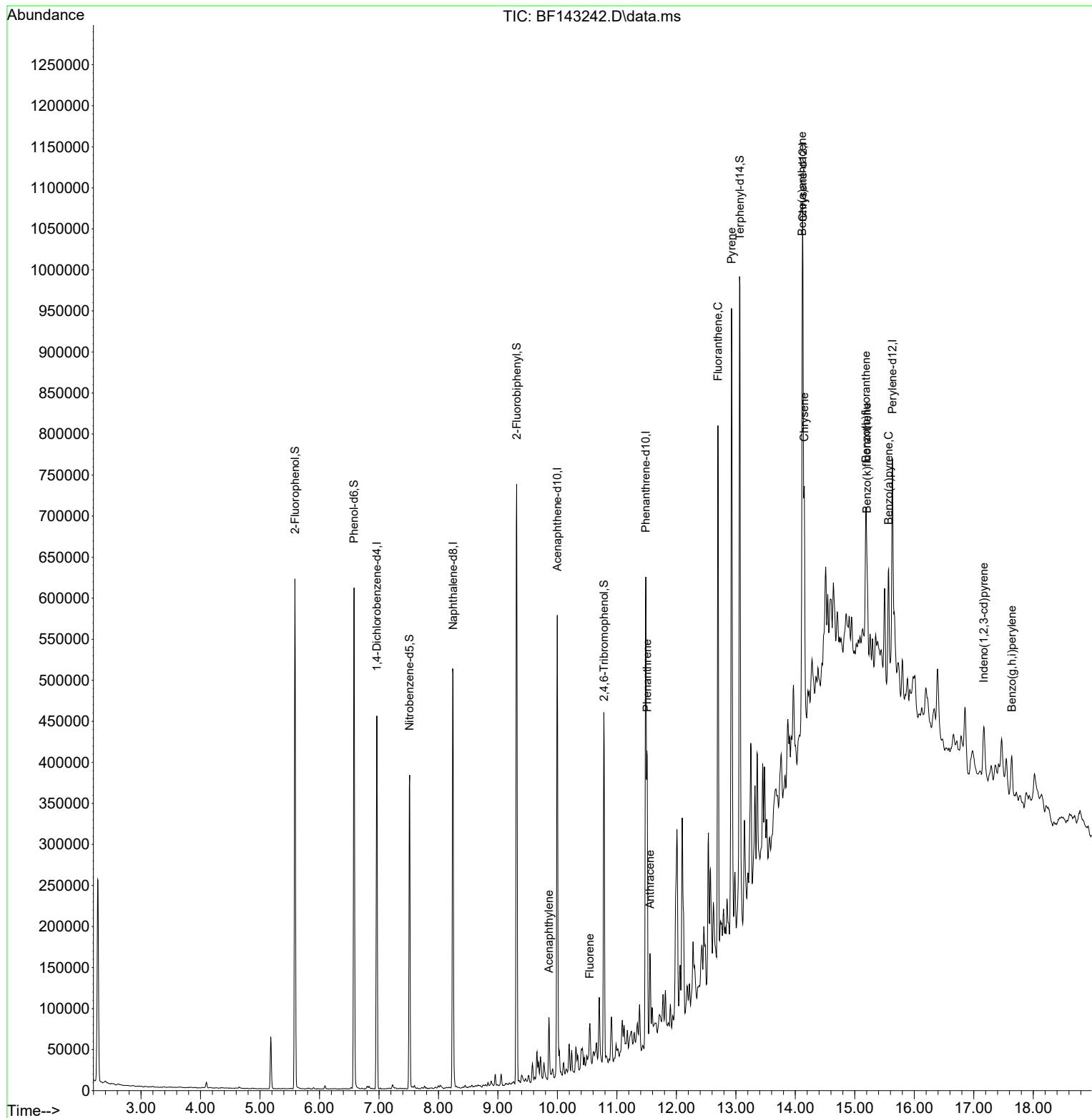
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072425\
Data File : BF143242.D
Acq On : 24 Jul 2025 19:24
Operator : RC/JU
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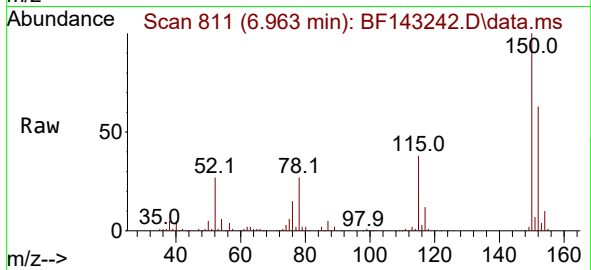
Quant Time: Jul 25 01:18:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143242.D
Acq: 24 Jul 2025 19:24

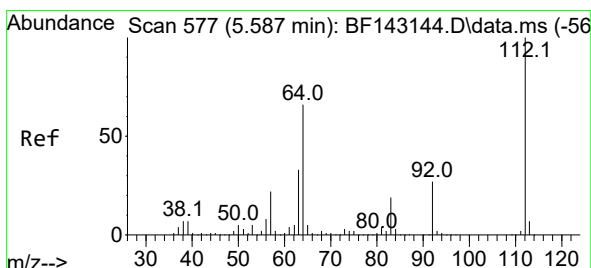
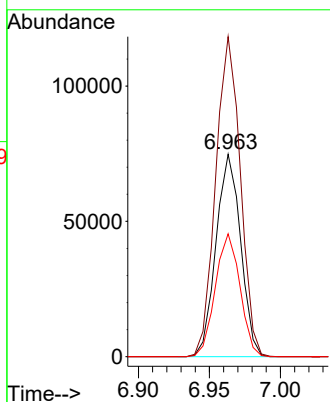
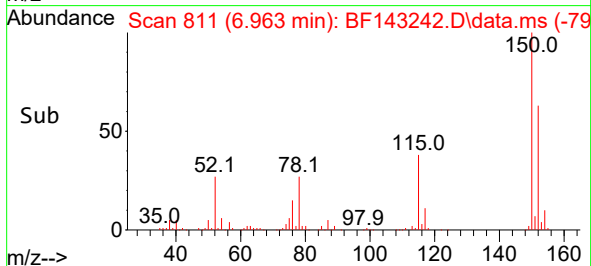
Instrument :
BNA_F
ClientSampleId :
OK-03-07222025



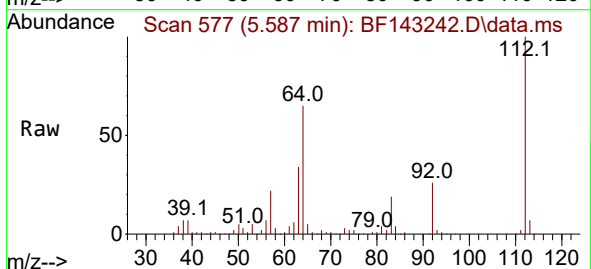
Tgt Ion:152 Resp: 8994
Ion Ratio Lower Upper
152 100
150 158.0 128.2 192.4
115 60.7 47.9 71.9

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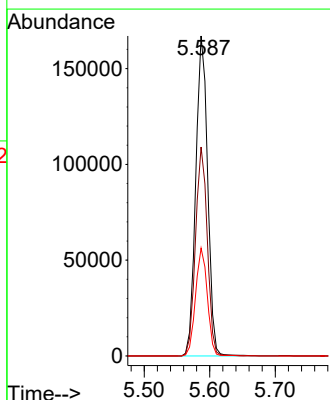
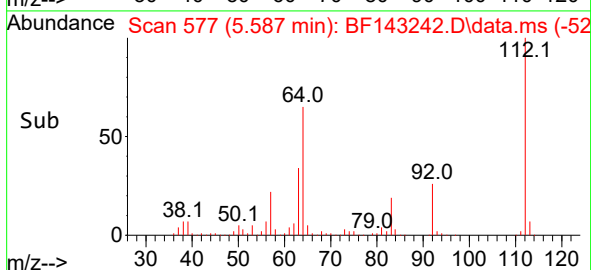
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025

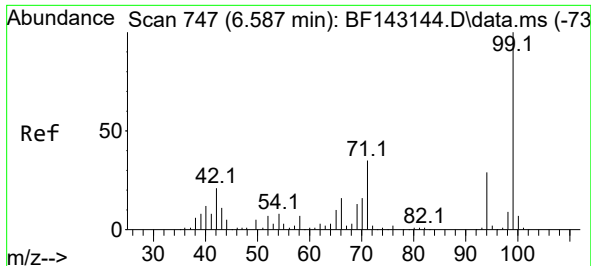


#5
2-Fluorophenol
Concen: 37.224 ng
RT: 5.587 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF143242.D
Acq: 24 Jul 2025 19:24



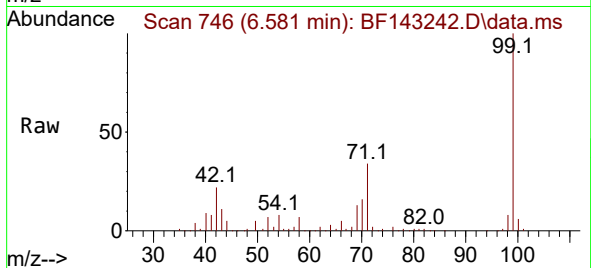
Tgt Ion:112 Resp: 211580
Ion Ratio Lower Upper
112 100
64 65.3 53.1 79.7
63 33.7 26.6 40.0





#7
Phenol-d6
Concen: 35.767 ng
RT: 6.581 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143242.D
Acq: 24 Jul 2025 19:24

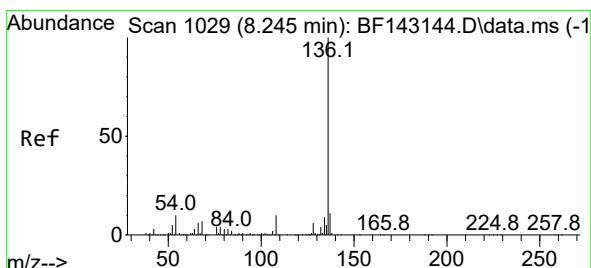
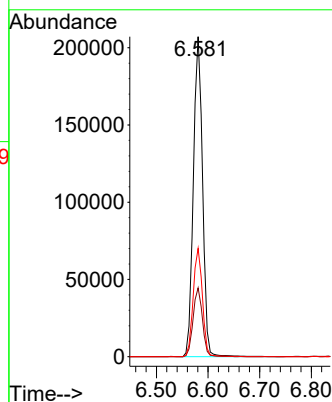
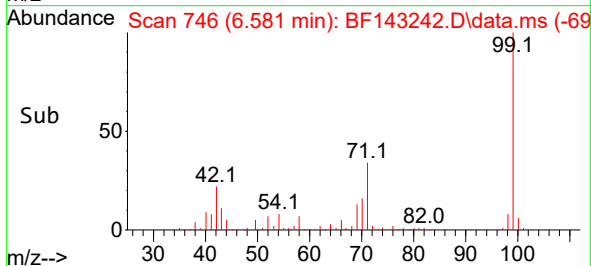
Instrument :
BNA_F
ClientSampleId :
OK-03-07222025



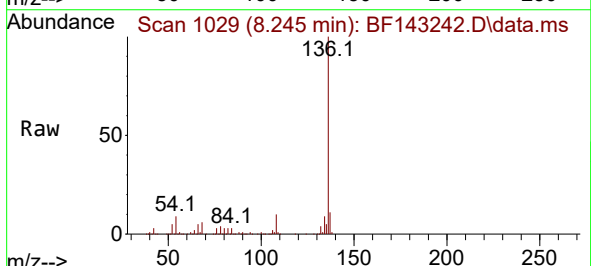
Tgt Ion: 99 Resp: 25588
Ion Ratio Lower Upper
99 100
42 21.5 17.0 25.6
71 33.9 27.7 41.5

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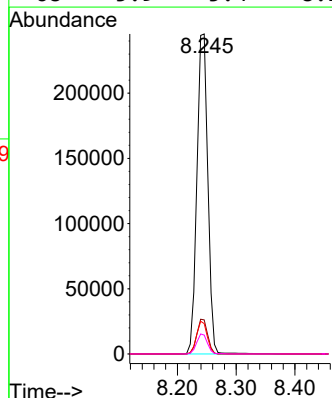
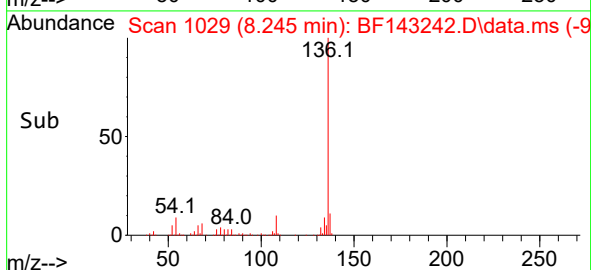
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143242.D
Acq: 24 Jul 2025 19:24



Tgt Ion:136 Resp: 316173
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.5 8.2 12.2
68 5.9 5.4 8.2





#23

Nitrobenzene-d5

Concen: 25.132 ng

RT: 7.516 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF143242.D

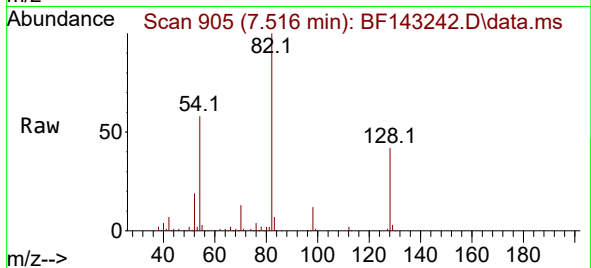
Acq: 24 Jul 2025 19:24

Instrument :

BNA_F

ClientSampleId :

OK-03-07222025



Tgt Ion: 82 Resp: 15941

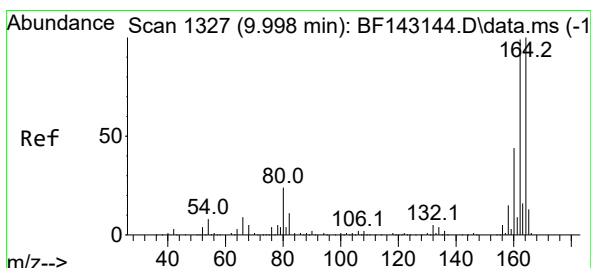
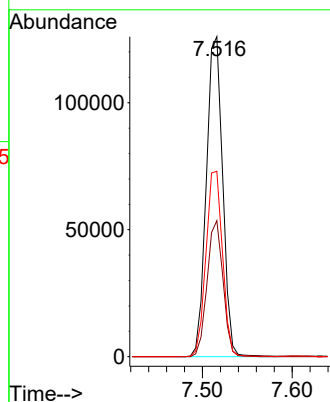
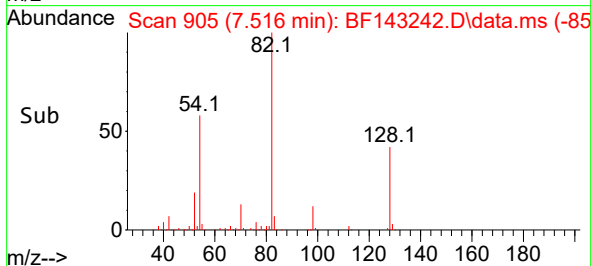
Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.6	50.4
54	58.0	47.1	70.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1327

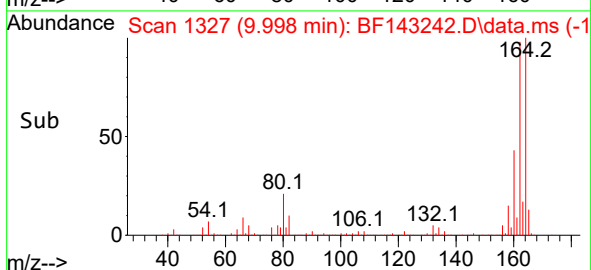
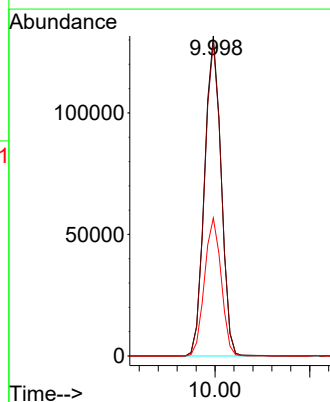
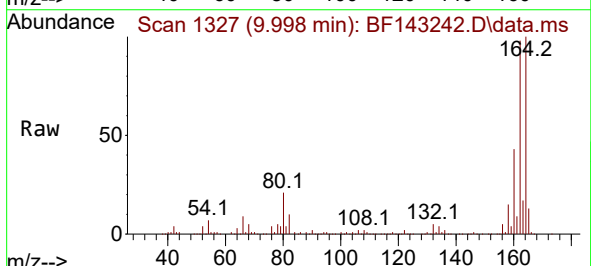
Delta R.T. 0.000 min

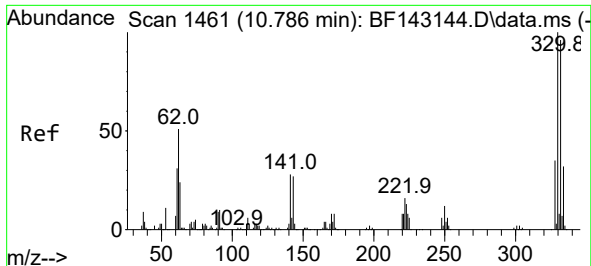
Lab File: BF143242.D

Acq: 24 Jul 2025 19:24

Tgt Ion:164 Resp: 159461

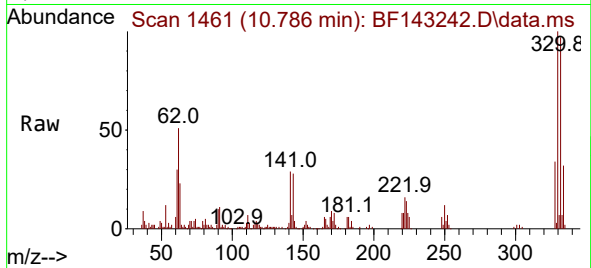
Ion	Ratio	Lower	Upper
164	100		
162	98.2	79.0	118.6
160	43.1	35.1	52.7





#42
2,4,6-Tribromophenol
Concen: 39.463 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143242.D
Acq: 24 Jul 2025 19:24

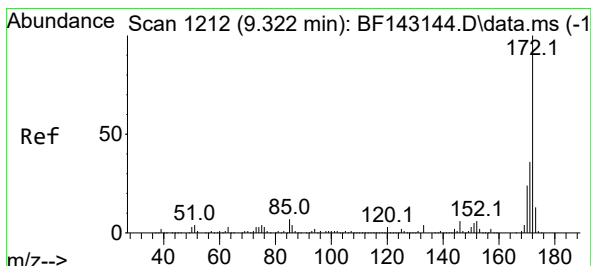
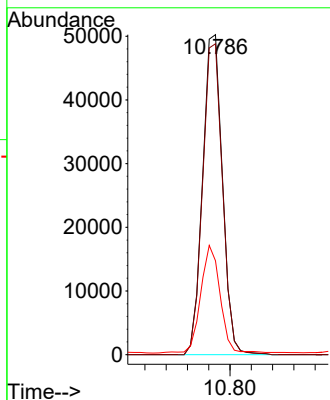
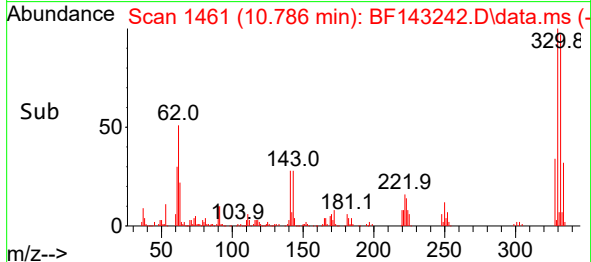
Instrument :
BNA_F
ClientSampleId :
OK-03-07222025



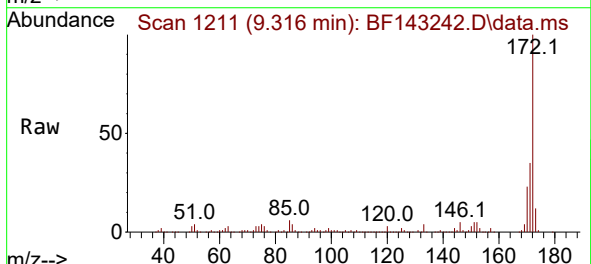
Tgt Ion: 330 Resp: 65008
Ion Ratio Lower Upper
330 100
332 97.4 76.7 115.1
141 33.5 23.3 34.9

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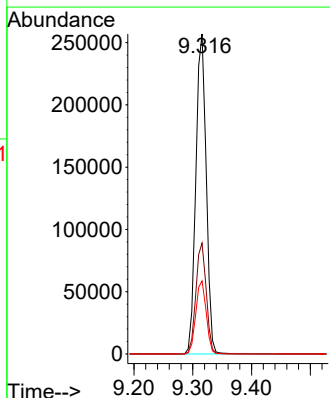
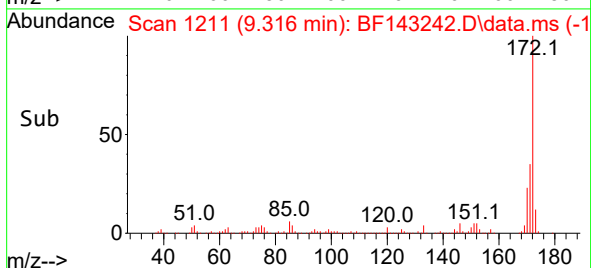
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025

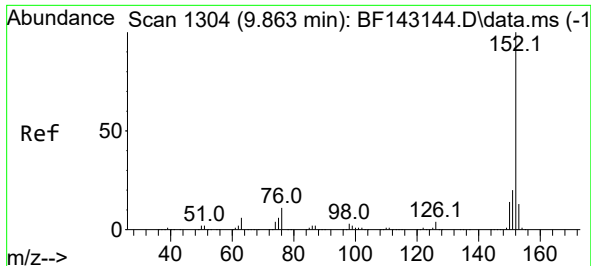


#45
2-Fluorobiphenyl
Concen: 27.092 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143242.D
Acq: 24 Jul 2025 19:24



Tgt Ion: 172 Resp: 315882
Ion Ratio Lower Upper
172 100
171 34.6 28.6 42.8
170 22.9 18.8 28.2





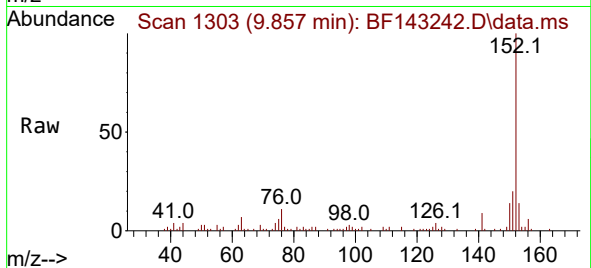
#49
Acenaphthylene
Concen: 2.664 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143242.D
Acq: 24 Jul 2025 19:24

Instrument :

BNA_F

ClientSampleId :

OK-03-07222025



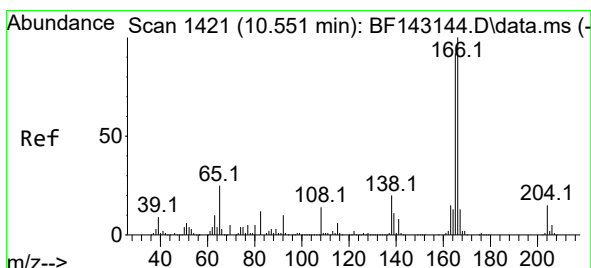
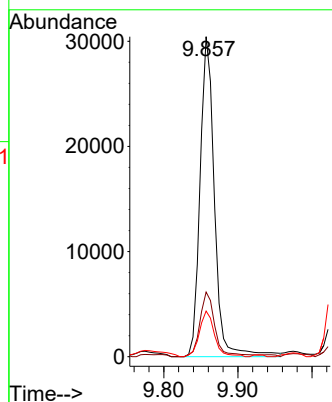
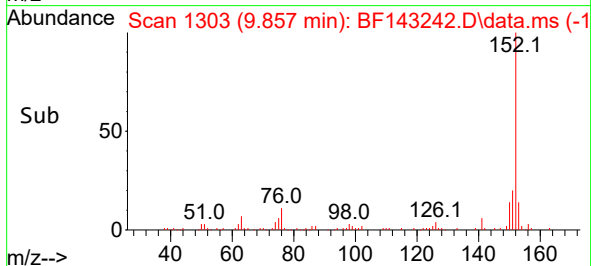
Tgt Ion:152 Resp: 41100
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2
153 14.3 10.6 16.0

Manual Integrations

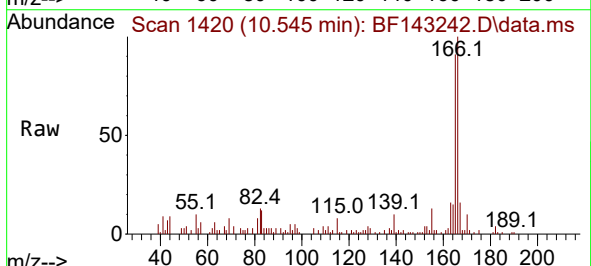
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Reviewed By :Rahul Chavli 07/25/2025

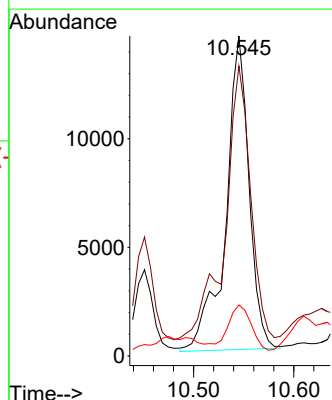
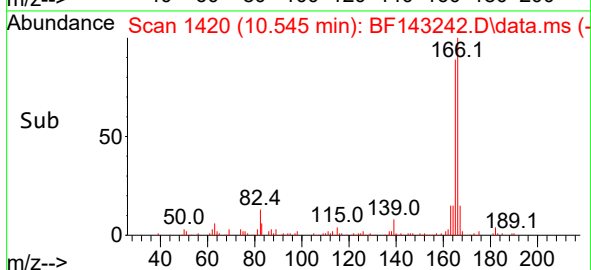
Supervised By :Jagrut Upadhyay 07/25/2025

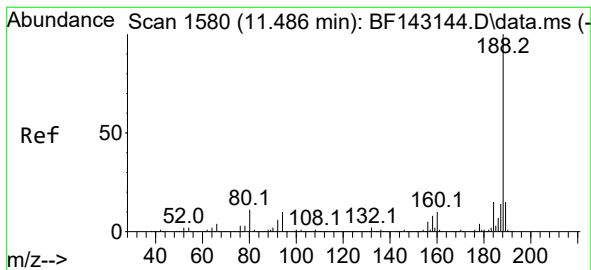


#58
Fluorene
Concen: 2.293 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143242.D
Acq: 24 Jul 2025 19:24



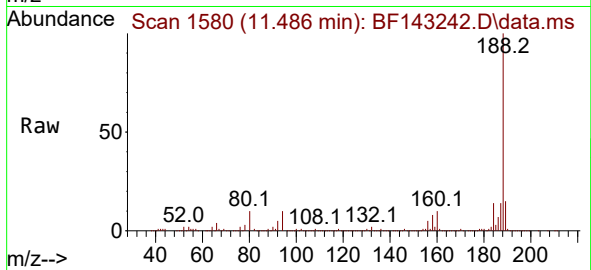
Tgt Ion:166 Resp: 23293
Ion Ratio Lower Upper
166 100
165 90.6 73.7 110.5
167 15.9 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143242.D
Acq: 24 Jul 2025 19:24

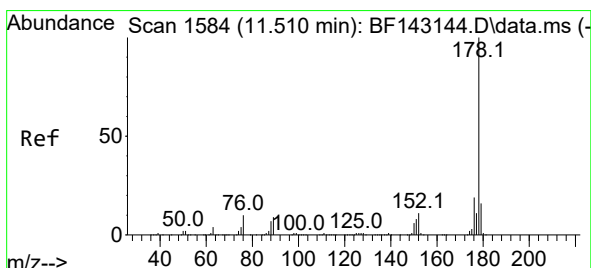
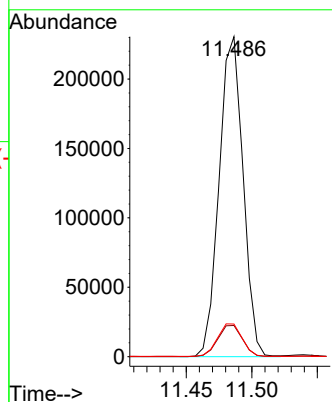
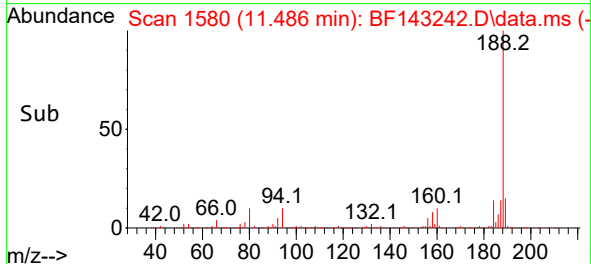
Instrument :
BNA_F
ClientSampleId :
OK-03-07222025



Tgt Ion:188 Resp: 292197
Ion Ratio Lower Upper
188 100
94 9.7 8.3 12.5
80 10.2 9.0 13.6

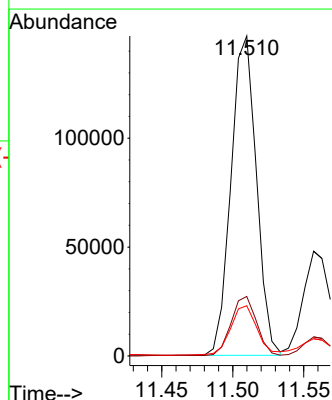
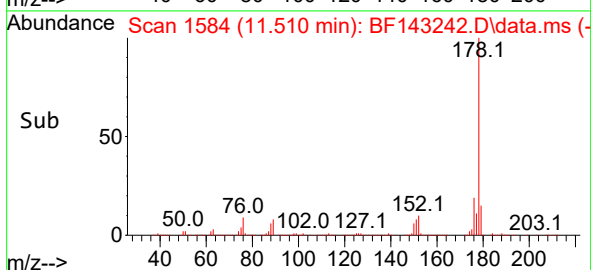
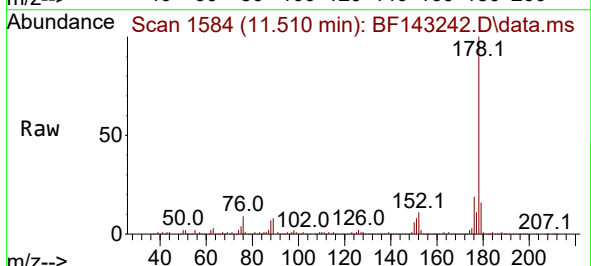
Manual Integrations
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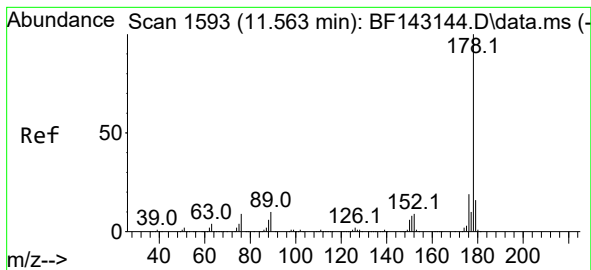
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025



#71
Phenanthrene
Concen: 11.793 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF143242.D
Acq: 24 Jul 2025 19:24

Tgt Ion:178 Resp: 182966
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 15.7 12.5 18.7





#72

Anthracene

Concen: 4.025 ng

RT: 11.557 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143242.D

Acq: 24 Jul 2025 19:24

Instrument :

BNA_F

ClientSampleId :

OK-03-07222025

Tgt Ion:178 Resp: 6368

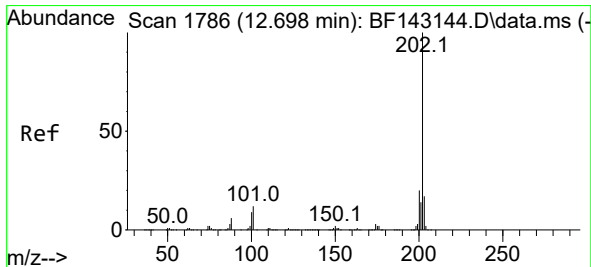
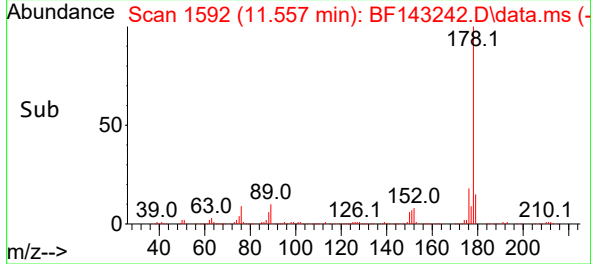
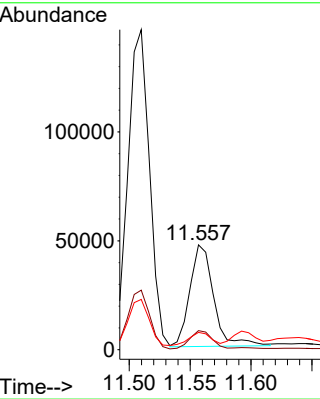
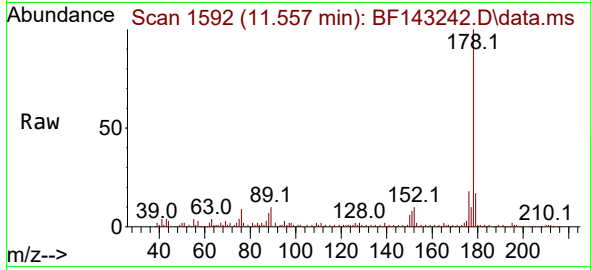
Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.0	22.4
179	16.6	12.5	18.7

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/25/2025



#75

Fluoranthene

Concen: 24.785 ng

RT: 12.698 min Scan# 1786

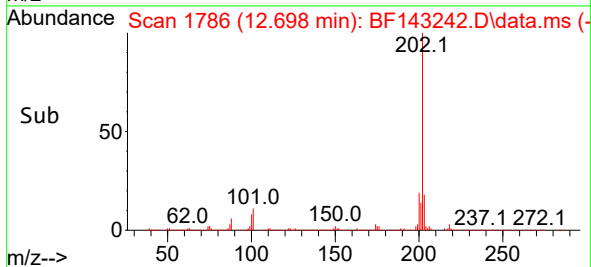
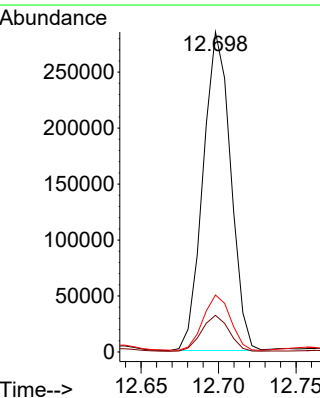
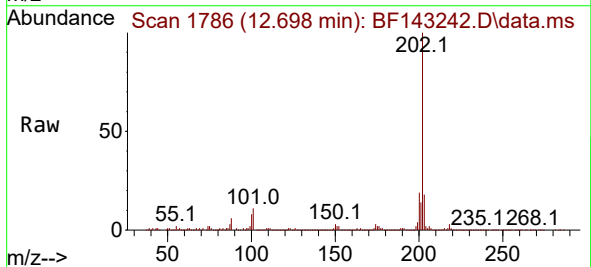
Delta R.T. 0.000 min

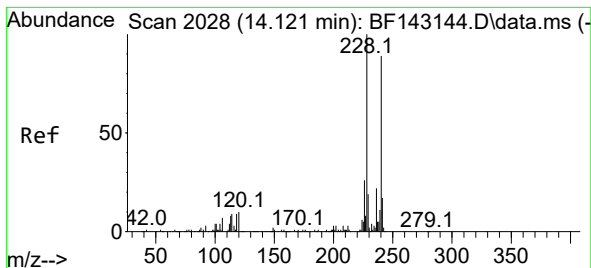
Lab File: BF143242.D

Acq: 24 Jul 2025 19:24

Tgt Ion:202 Resp: 352949

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.7
203	17.8	0.0	37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.127 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF143242.D

Acq: 24 Jul 2025 19:24

Instrument :

BNA_F

ClientSampleId :

OK-03-07222025

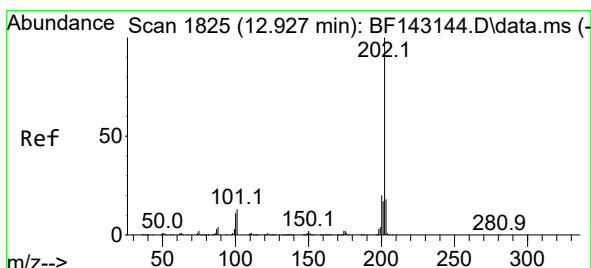
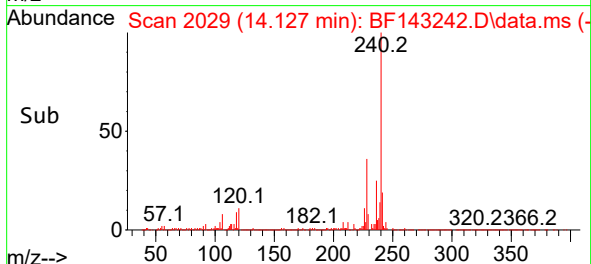
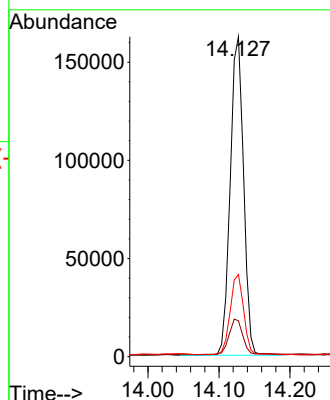
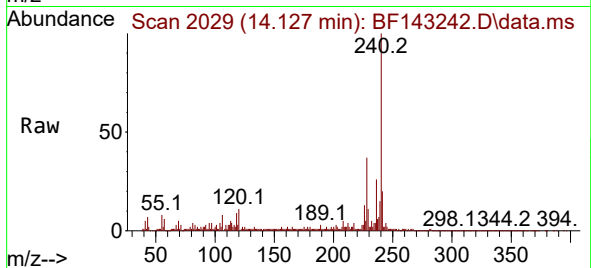
Tgt Ion:240 Resp: 212127
 Ion Ratio Lower Upper
 240 100
 120 11.2 9.4 14.2
 236 25.7 20.2 30.4

Manual Integrations

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Reviewed By :Rahul Chavli 07/25/2025

Supervised By :Jagrut Upadhyay 07/25/2025



#78

Pyrene

Concen: 24.560 ng

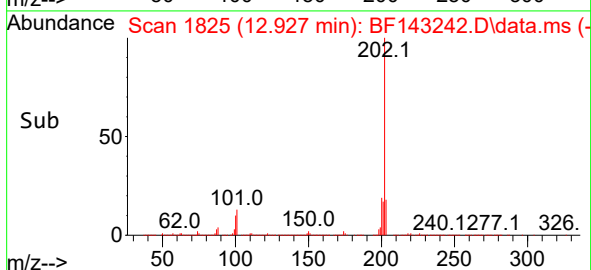
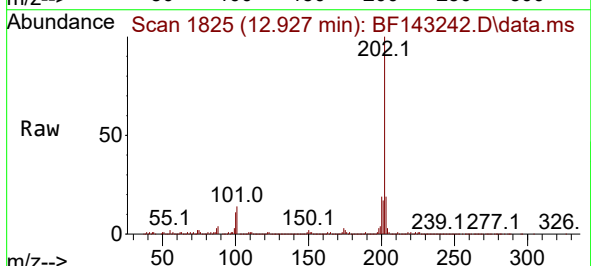
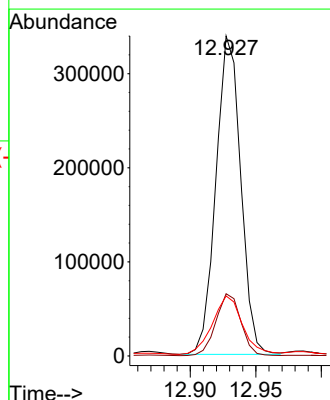
RT: 12.927 min Scan# 1825

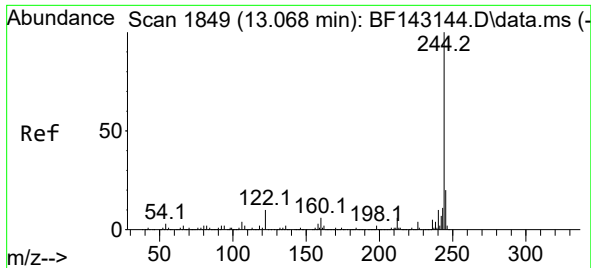
Delta R.T. 0.000 min

Lab File: BF143242.D

Acq: 24 Jul 2025 19:24

Tgt Ion:202 Resp: 444637
 Ion Ratio Lower Upper
 202 100
 200 19.5 15.7 23.5
 203 18.7 14.2 21.2





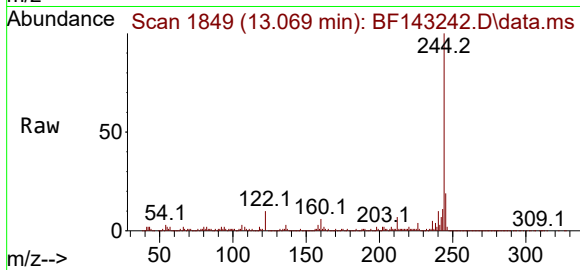
#79
 Terphenyl-d14
 Concen: 26.604 ng
 RT: 13.069 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: BF143242.D
 Acq: 24 Jul 2025 19:24

Instrument :

BNA_F

ClientSampleId :

OK-03-07222025



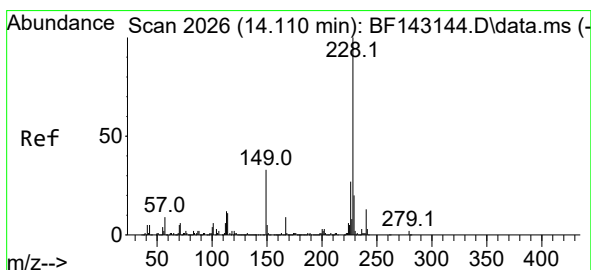
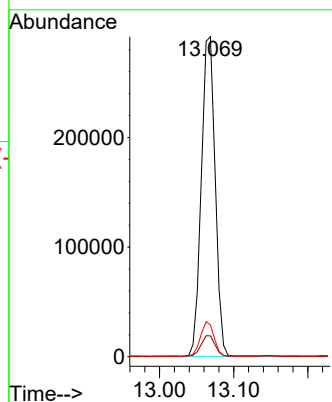
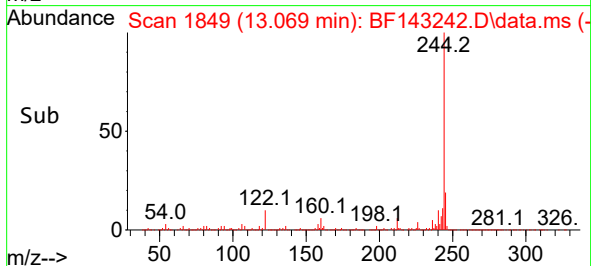
Tgt Ion:244 Resp: 379235
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.2 7.8
 122 9.9 8.2 12.2

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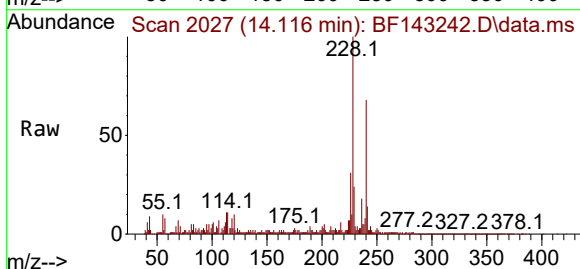
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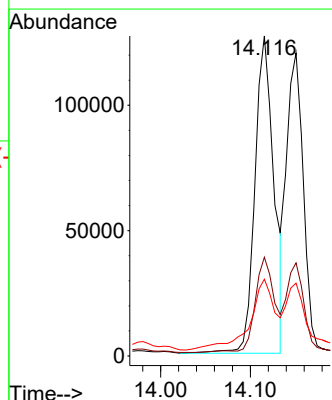
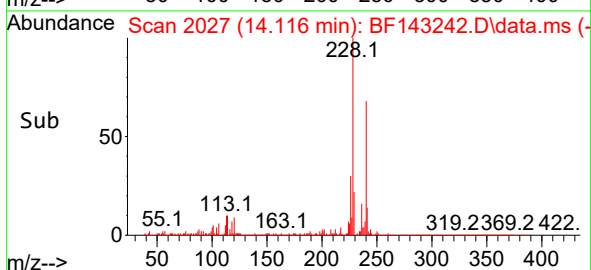
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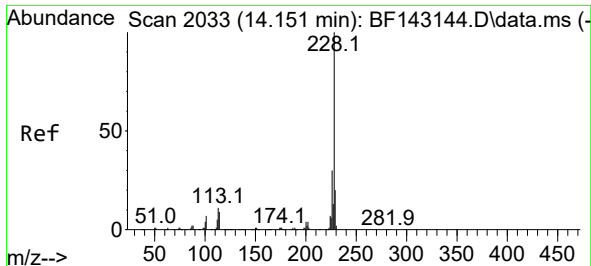


#81
 Benzo(a)anthracene
 Concen: 13.124 ng
 RT: 14.116 min Scan# 2027
 Delta R.T. 0.006 min
 Lab File: BF143242.D
 Acq: 24 Jul 2025 19:24



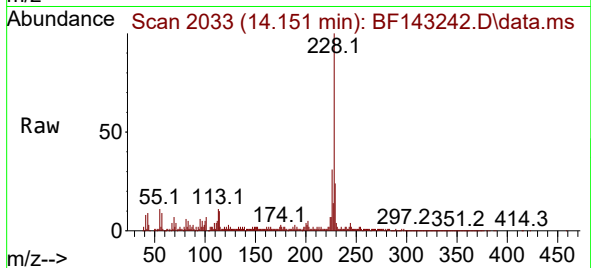
Tgt Ion:228 Resp: 186382
 Ion Ratio Lower Upper
 228 100
 226 30.8 21.7 32.5
 229 24.0 15.8 23.6#





#83
Chrysene
Concen: 12.126 ng
RT: 14.151 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF143242.D
Acq: 24 Jul 2025 19:24

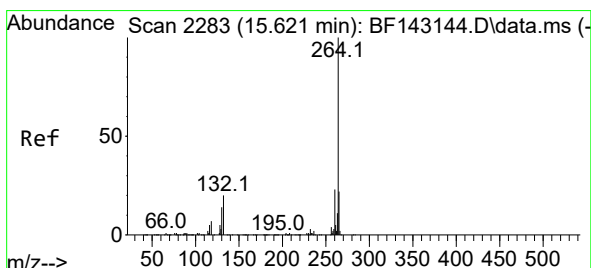
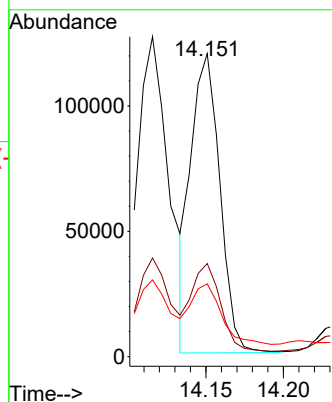
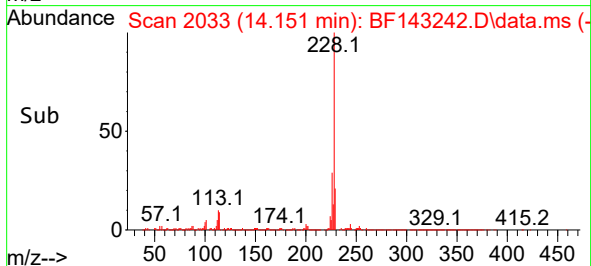
Instrument :
BNA_F
ClientSampleId :
OK-03-07222025



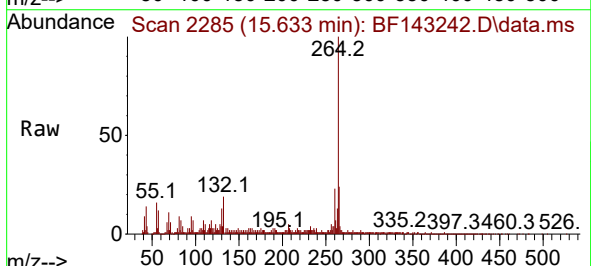
Tgt Ion:228 Resp: 15483
Ion Ratio Lower Upper
228 100
226 30.7 23.8 35.8
229 24.0 15.6 23.4

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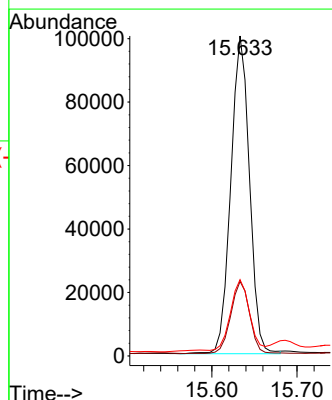
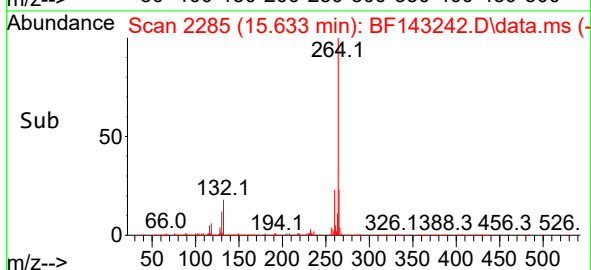
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025

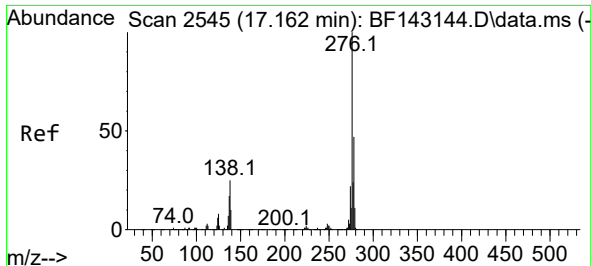


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. 0.012 min
Lab File: BF143242.D
Acq: 24 Jul 2025 19:24



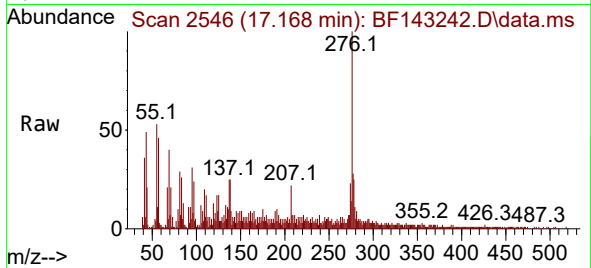
Tgt Ion:264 Resp: 152418
Ion Ratio Lower Upper
264 100
260 23.3 18.5 27.7
265 23.9 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.321 ng
RT: 17.168 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143242.D
Acq: 24 Jul 2025 19:24

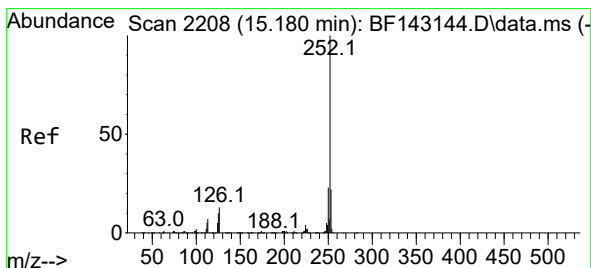
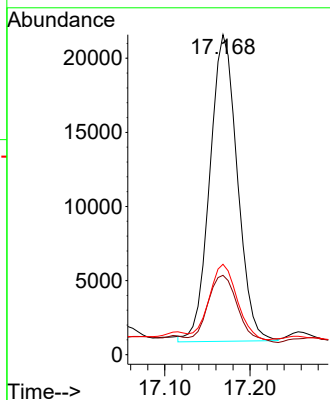
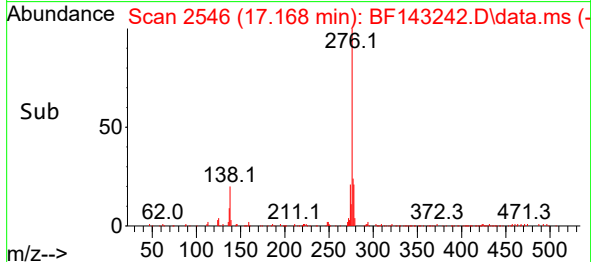
Instrument :
BNA_F
ClientSampleId :
OK-03-07222025



Tgt Ion:276 Resp: 46440
Ion Ratio Lower Upper
276 100
138 23.8 21.8 32.6
277 24.9 20.0 30.0

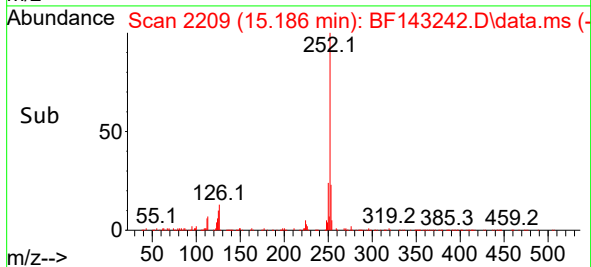
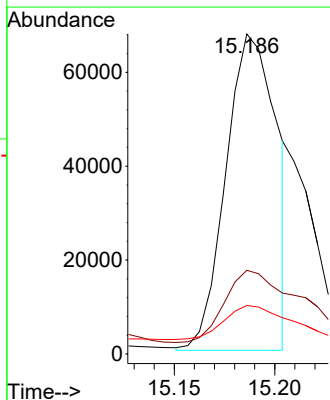
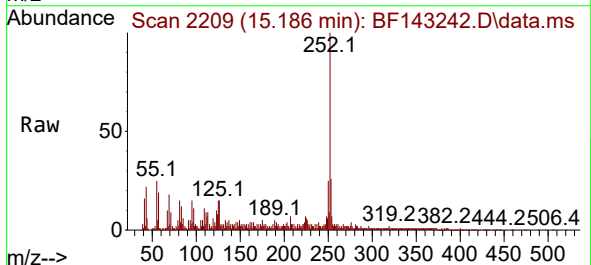
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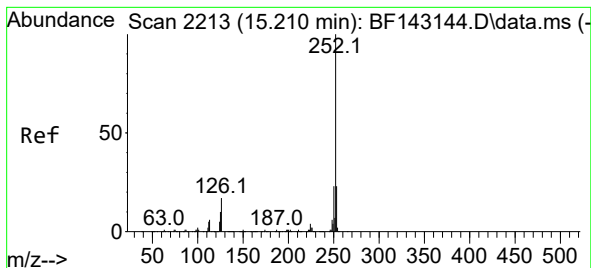
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025



#88
Benzo(b)fluoranthene
Concen: 12.751 ng m
RT: 15.186 min Scan# 2209
Delta R.T. 0.006 min
Lab File: BF143242.D
Acq: 24 Jul 2025 19:24

Tgt Ion:252 Resp: 118725
Ion Ratio Lower Upper
252 100
253 26.1 17.5 26.3
125 15.1 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 4.771 ng m

RT: 15.204 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143242.D

Acq: 24 Jul 2025 19:24

Instrument :

BNA_F

ClientSampleId :

OK-03-07222025

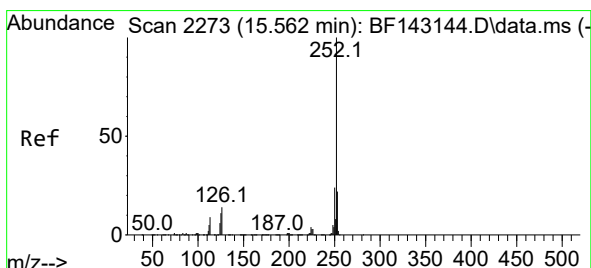
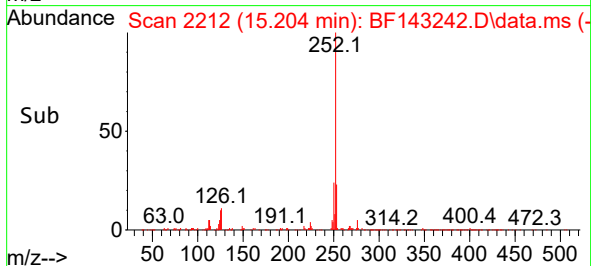
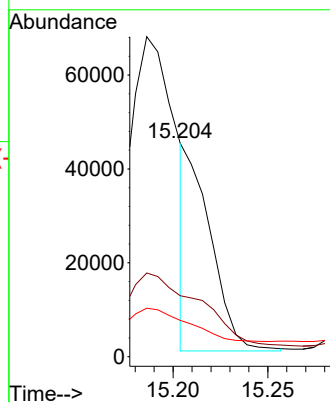
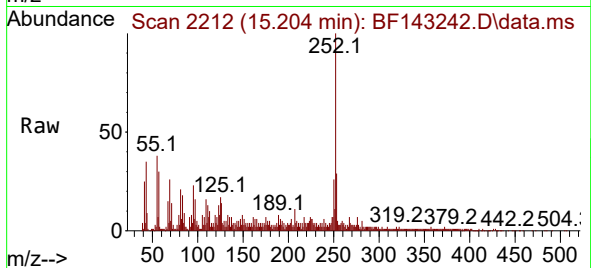
Tgt Ion:252 Resp: 3964
 Ion Ratio Lower Upper
 252 100
 253 28.6 17.8 26.6
 125 17.0 8.1 12.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/25/2025

Supervised By :Jagrut Upadhyay 07/25/2025



#90

Benzo(a)pyrene

Concen: 11.277 ng

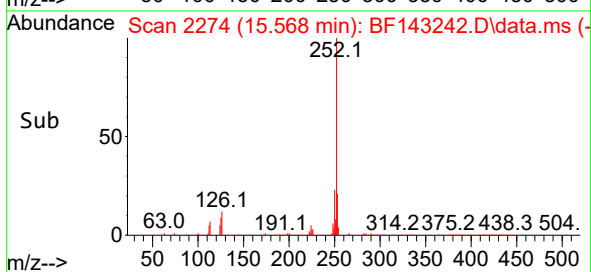
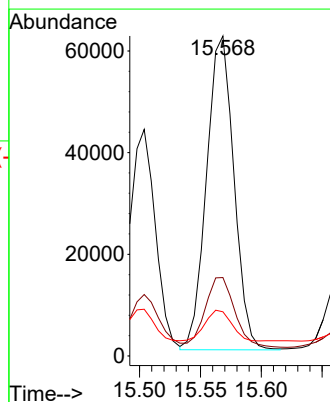
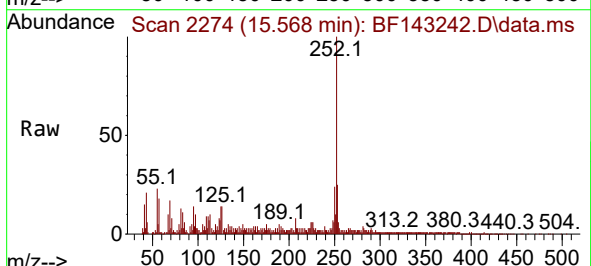
RT: 15.568 min Scan# 2274

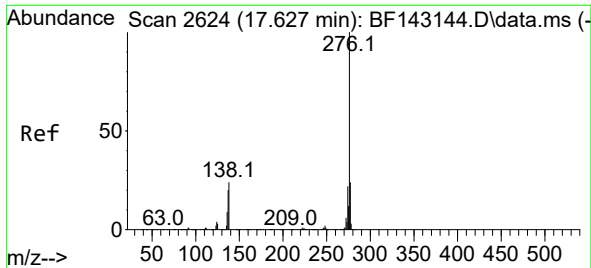
Delta R.T. 0.006 min

Lab File: BF143242.D

Acq: 24 Jul 2025 19:24

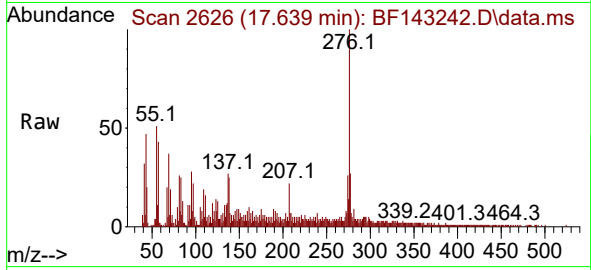
Tgt Ion:252 Resp: 96749
 Ion Ratio Lower Upper
 252 100
 253 24.5 17.3 25.9
 125 13.8 8.6 13.0





#92
Benzo(g,h,i)perylene
Concen: 5.818 ng
RT: 17.639 min Scan# 20
Delta R.T. 0.012 min
Lab File: BF143242.D
Acq: 24 Jul 2025 19:24

Instrument :
BNA_F
ClientSampleId :
OK-03-07222025



Tgt Ion: 276 Resp: 4923
Ion Ratio Lower Upper
276 100
277 27.1 19.1 28.7
138 24.8 18.9 28.3

Manual Integrations
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Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025

