

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143356.D
 Acq On : 12 Aug 2025 16:32
 Operator : RC/JU
 Sample : Q2807-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-6

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/13/2025
 Supervised By :Jagrut Upadhyay 08/13/2025

Quant Time: Aug 12 16:59:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	152247	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	565615	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	280798	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	410381	20.000	ng	0.00
76) Chrysene-d12	14.086	240	352203	20.000	ng	0.00
86) Perylene-d12	15.574	264	431956	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	859484	97.622	ng	0.00
7) Phenol-d6	6.557	99	1100835	97.503	ng	0.00
23) Nitrobenzene-d5	7.481	82	676175	74.446	ng	-0.01
42) 2,4,6-Tribromophenol	10.751	330	234342	114.194	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1181184	71.332	ng	0.00
79) Terphenyl-d14	13.027	244	1100402	55.780	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.474	178	277235	12.382	ng	99
72) Anthracene	11.522	178	59754	2.632	ng	97
75) Fluoranthene	12.663	202	388951	19.831	ng	99
78) Pyrene	12.892	202	384159	13.002	ng	99
81) Benzo(a)anthracene	14.074	228	211166	9.433	ng	97
83) Chrysene	14.110	228	191104	9.155	ng	97
84) Bis(2-ethylhexyl)phtha...	14.063	149	8350	4.881	ng	# 93
87) Indeno(1,2,3-cd)pyrene	17.086	276	92969	3.004	ng	95
88) Benzo(b)fluoranthene	15.139	252	230870m	9.772	ng	
89) Benzo(k)fluoranthene	15.157	252	71611m	3.119	ng	
90) Benzo(a)pyrene	15.510	252	168720	7.582	ng	98
92) Benzo(g,h,i)perylene	17.545	276	85957	3.451	ng	99

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

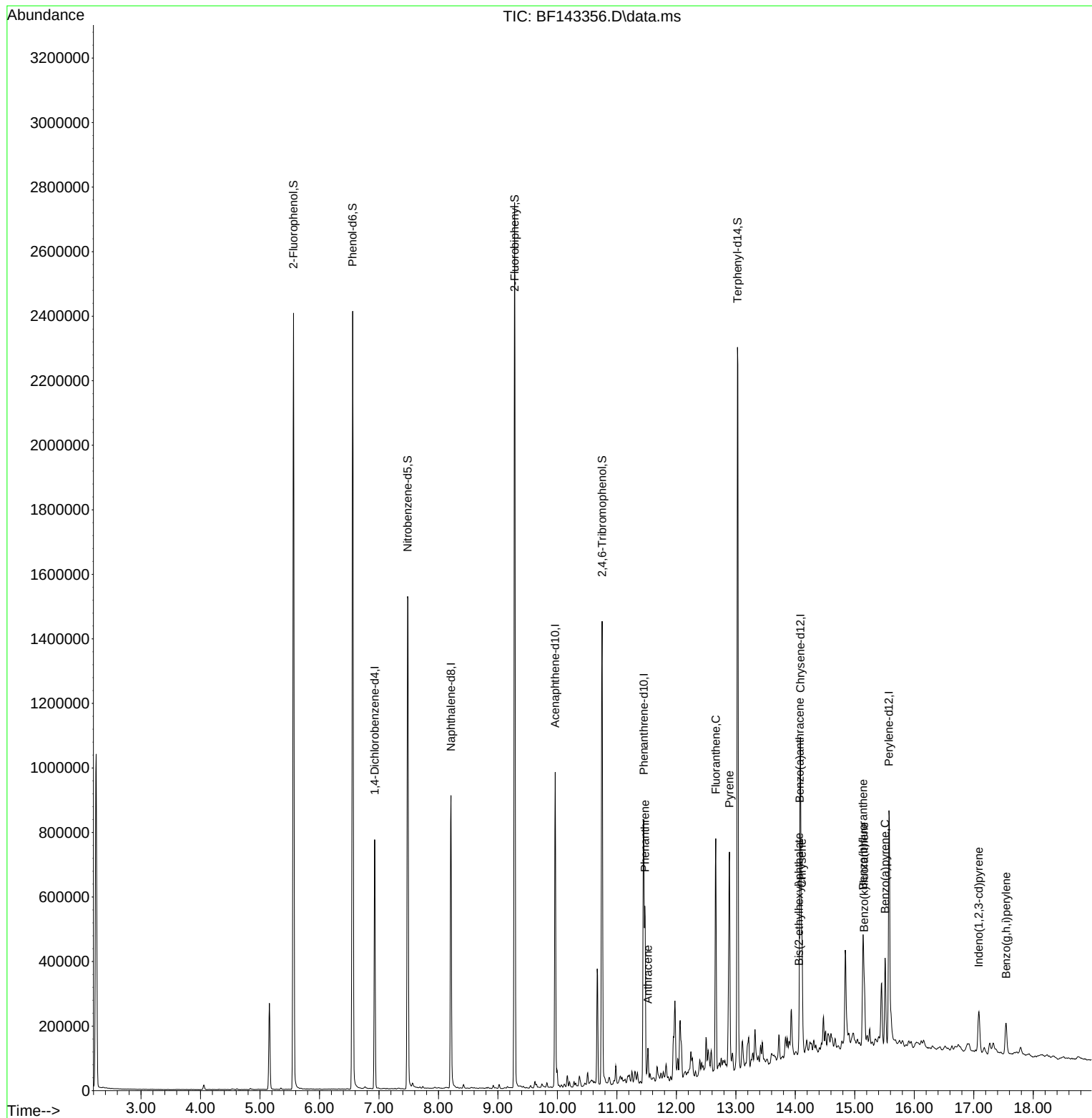
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143356.D
Acq On : 12 Aug 2025 16:32
Operator : RC/JU
Sample : Q2807-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

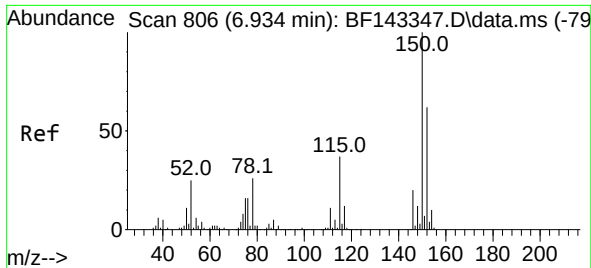
Instrument :
BNA_F
ClientSampleId :
COMP-6

Quant Time: Aug 12 16:59:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

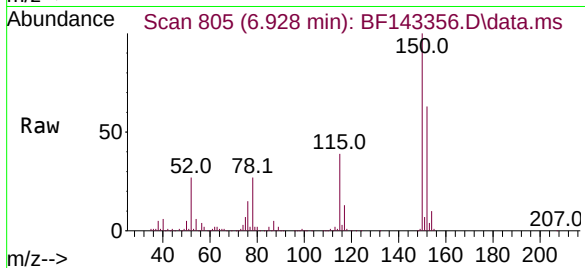
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

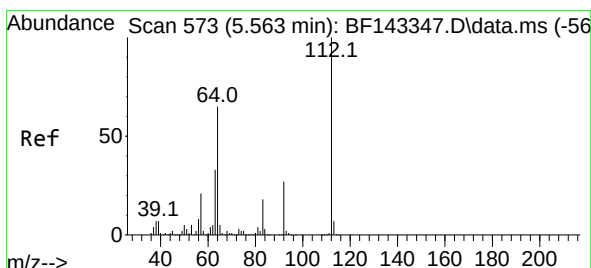
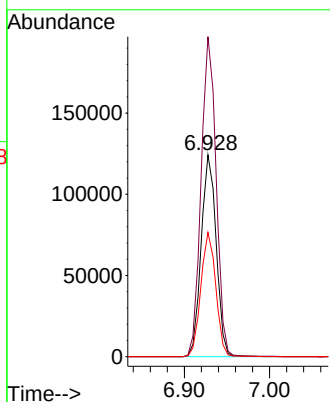
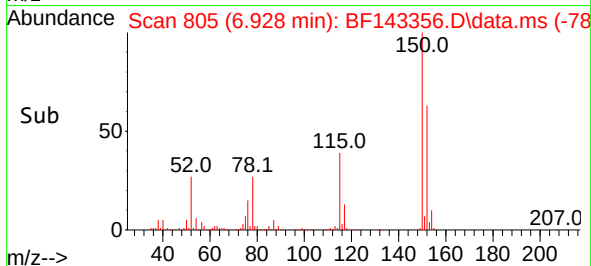
Instrument :
BNA_F
ClientSampleId :
COMP-6



Tgt Ion:152 Resp: 15224
Ion Ratio Lower Upper
152 100
150 158.6 129.8 194.8
115 61.5 47.8 71.8

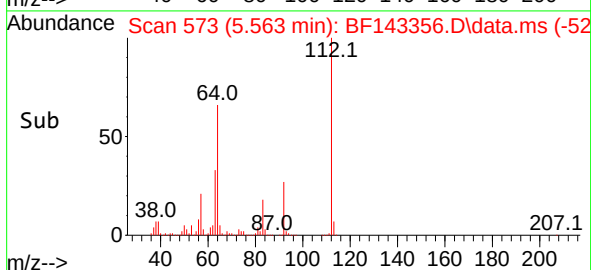
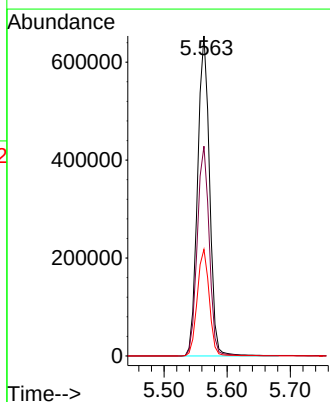
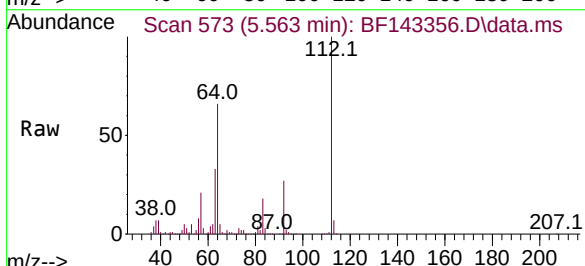
Manual Integrations
APPROVED

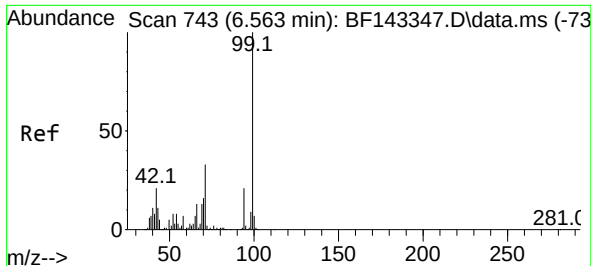
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#5
2-Fluorophenol
Concen: 97.622 ng
RT: 5.563 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

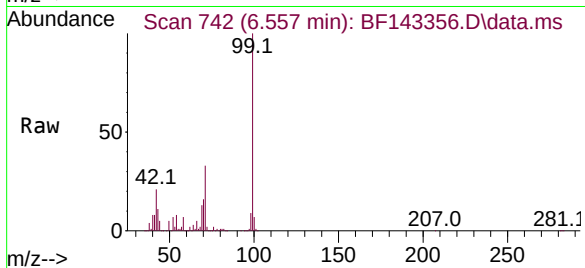
Tgt Ion:112 Resp: 859484
Ion Ratio Lower Upper
112 100
64 65.6 52.1 78.1
63 33.3 26.6 39.8





#7
Phenol-d6
Concen: 97.503 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

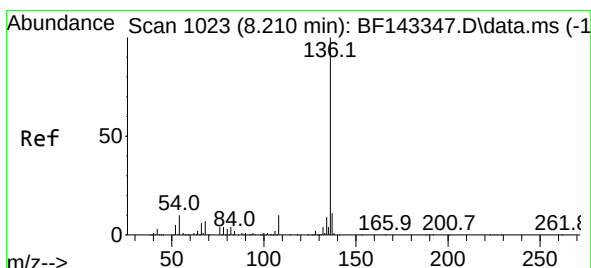
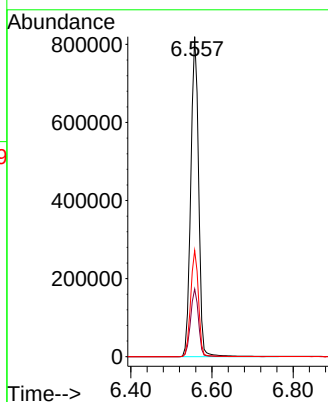
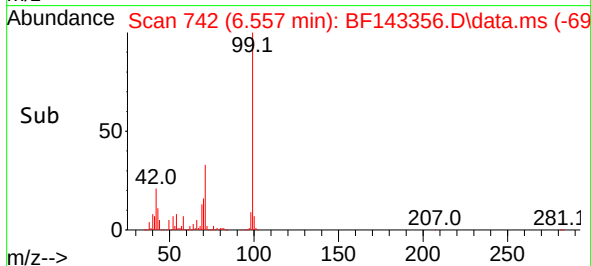
Instrument :
BNA_F
ClientSampleId :
COMP-6



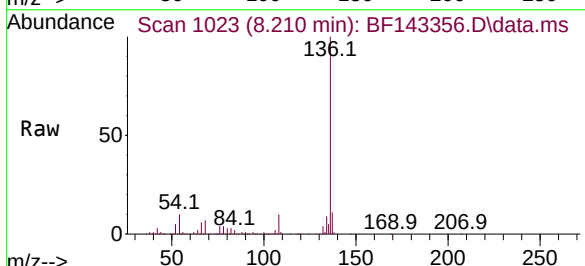
Tgt Ion: 99 Resp: 1100835
Ion Ratio Lower Upper
99 100
42 21.2 16.6 25.0
71 33.2 26.2 39.2

Manual Integrations
APPROVED

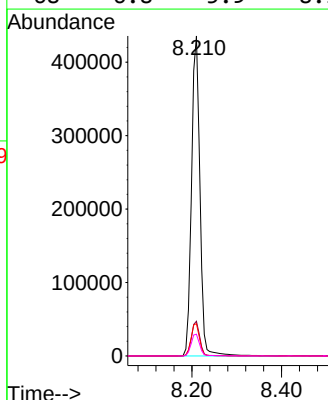
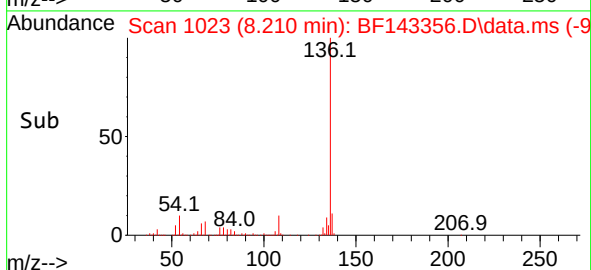
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

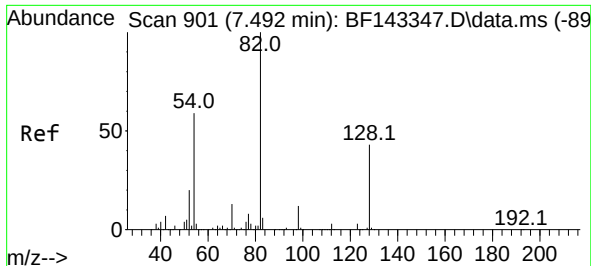


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32



Tgt Ion:136 Resp: 565615
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 10.1 8.4 12.6
68 6.8 5.9 8.9





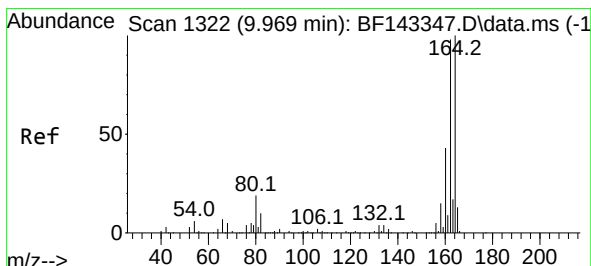
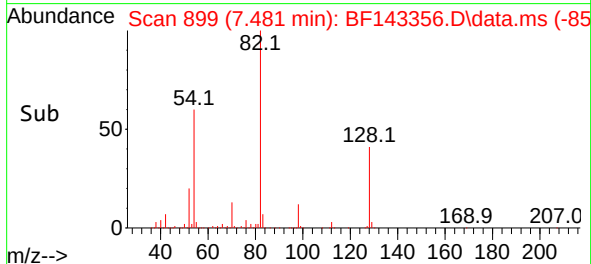
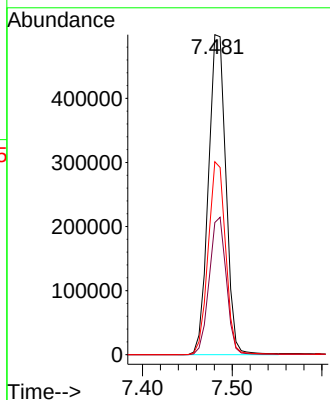
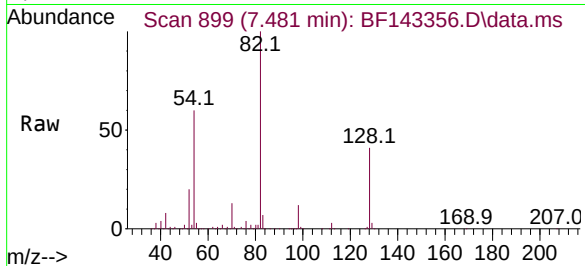
#23
Nitrobenzene-d5
Concen: 74.446 ng
RT: 7.481 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Instrument :
BNA_F
ClientSampleId :
COMP-6

Tgt Ion: 82 Resp: 67617
Ion Ratio Lower Upper
82 100
128 41.3 33.5 50.3
54 60.3 46.7 70.1

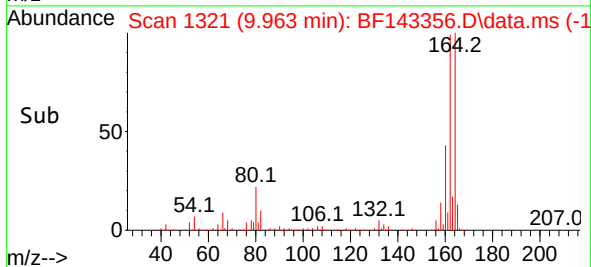
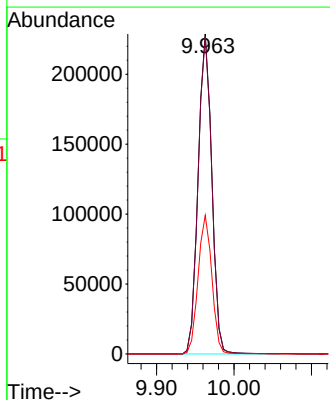
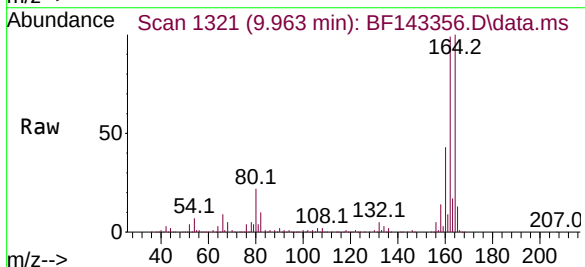
Manual Integrations
APPROVED

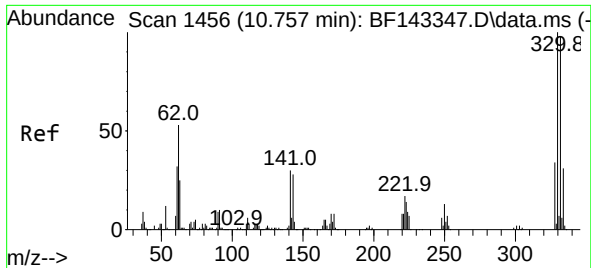
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

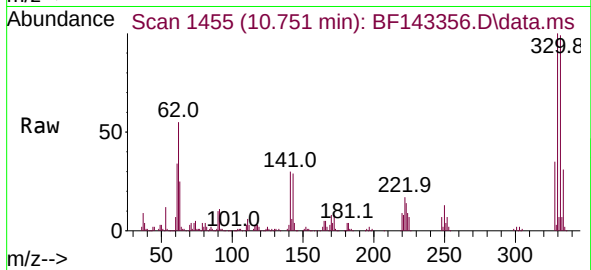
Tgt Ion:164 Resp: 280798
Ion Ratio Lower Upper
164 100
162 99.2 78.6 118.0
160 43.3 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 114.194 ng
RT: 10.751 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

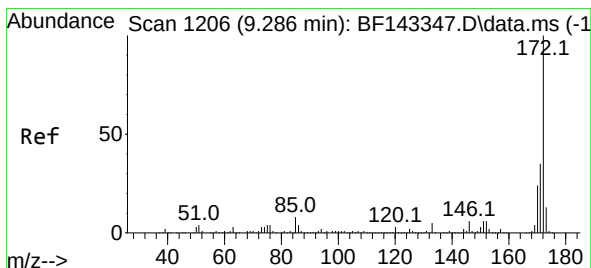
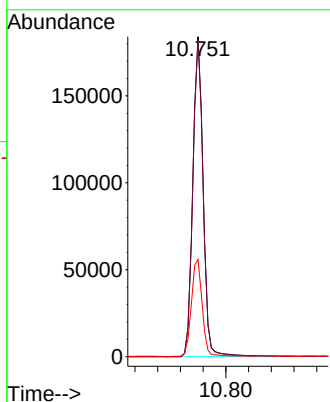
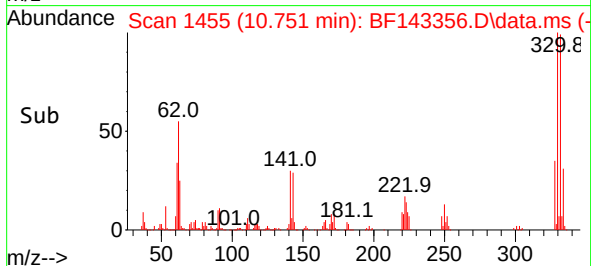
Instrument :
BNA_F
ClientSampleId :
COMP-6



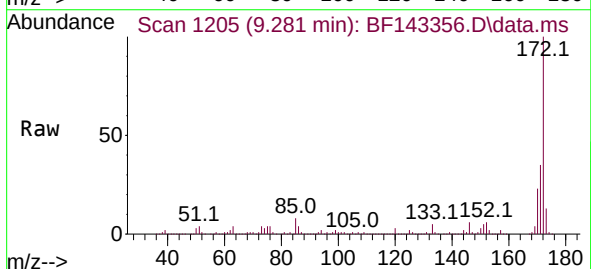
Tgt Ion:330 Resp: 23434
Ion Ratio Lower Upper
330 100
332 98.9 78.1 117.1
141 32.2 25.4 38.0

Manual Integrations
APPROVED

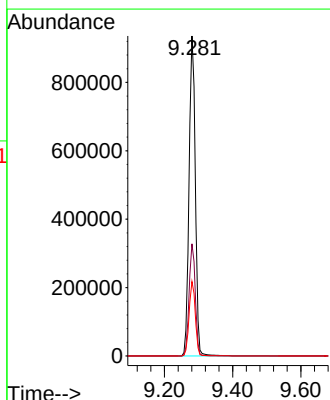
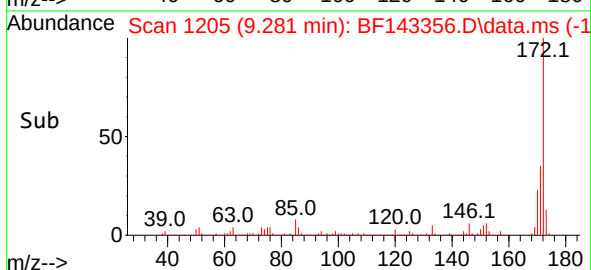
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

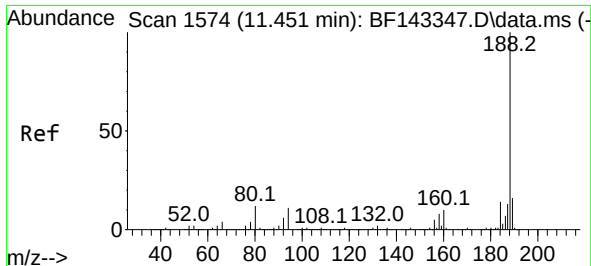


#45
2-Fluorobiphenyl
Concen: 71.332 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32



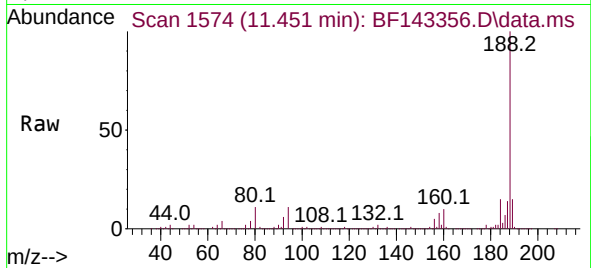
Tgt Ion:172 Resp: 1181184
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 23.3 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

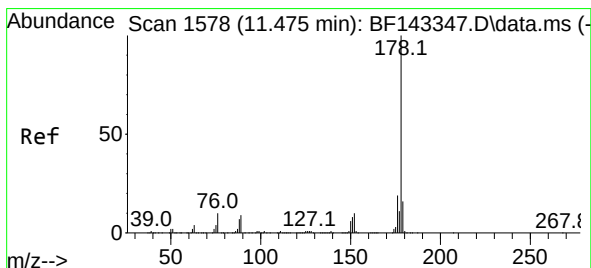
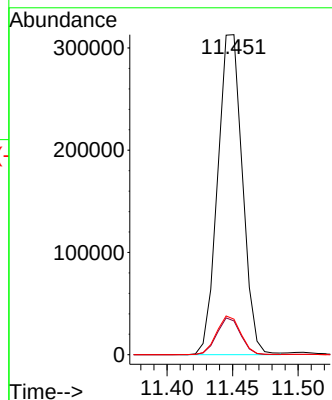
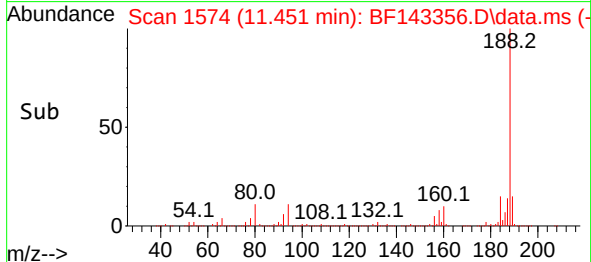
Instrument :
BNA_F
ClientSampleId :
COMP-6



Tgt Ion:188 Resp: 41038
Ion Ratio Lower Upper
188 100
94 10.6 8.8 13.2
80 11.1 9.7 14.5

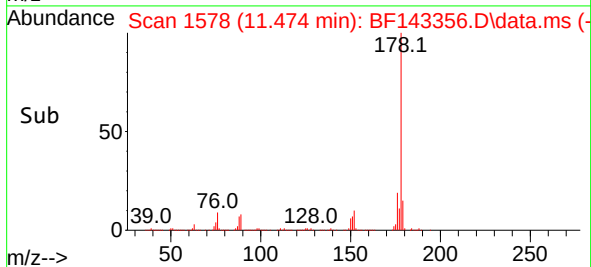
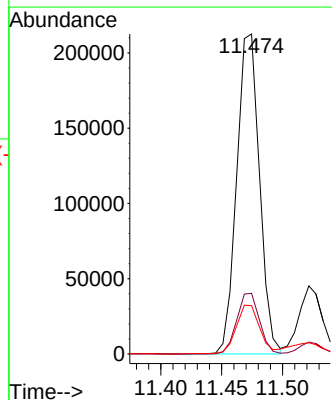
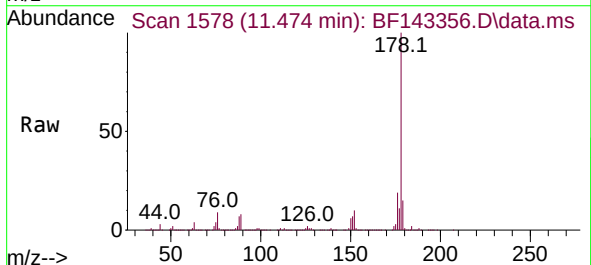
Manual Integrations
APPROVED

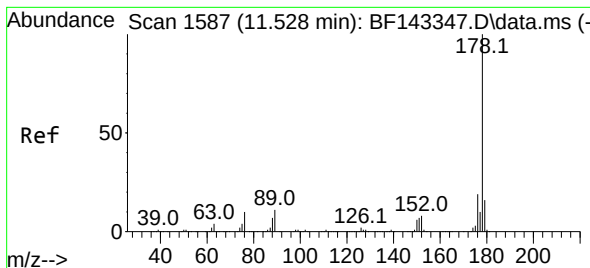
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#71
Phenanthrene
Concen: 12.382 ng
RT: 11.474 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion:178 Resp: 277235
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.1 12.5 18.7





#72

Anthracene

Concen: 2.632 ng

RT: 11.522 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143356.D

Acq: 12 Aug 2025 16:32

Instrument :

BNA_F

ClientSampleId :

COMP-6

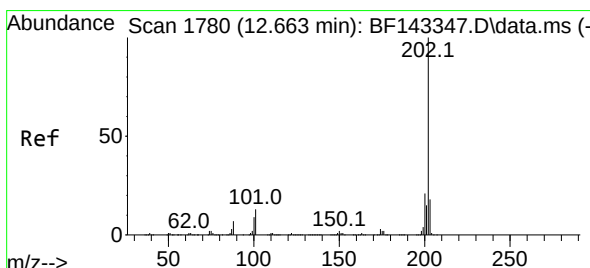
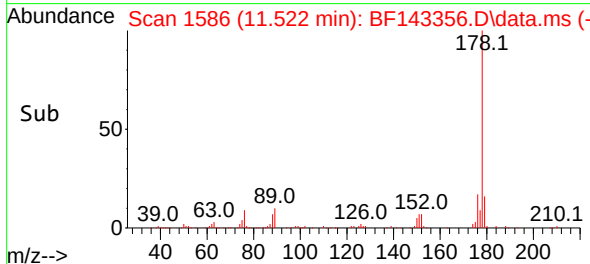
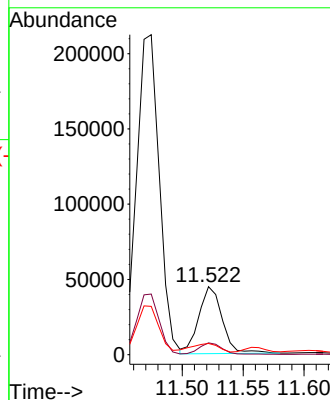
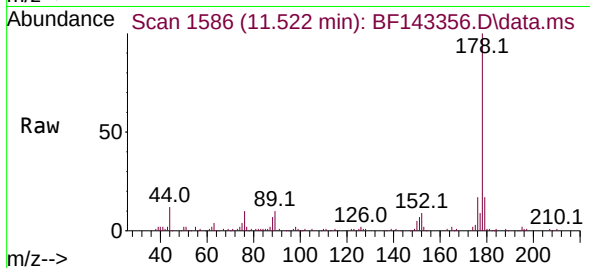
Tgt Ion:178 Resp: 59754
 Ion Ratio Lower Upper
 178 100
 176 17.4 15.1 22.7
 179 16.6 12.7 19.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#75

Fluoranthene

Concen: 19.831 ng

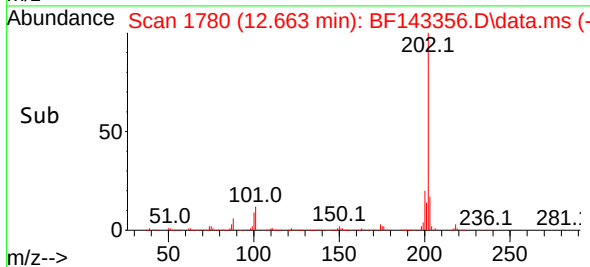
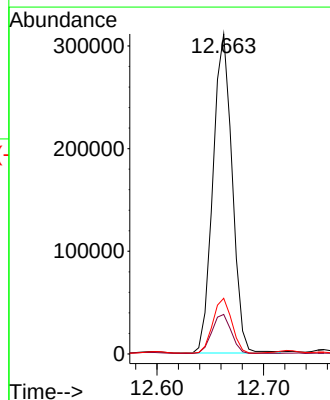
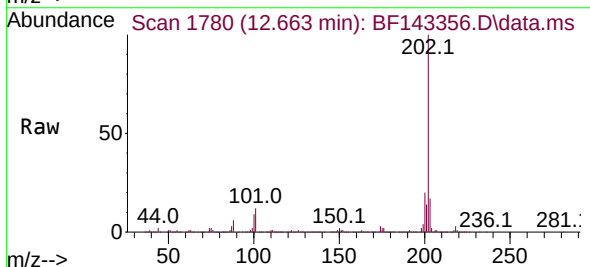
RT: 12.663 min Scan# 1780

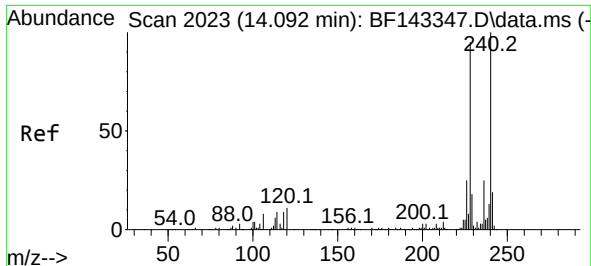
Delta R.T. -0.000 min

Lab File: BF143356.D

Acq: 12 Aug 2025 16:32

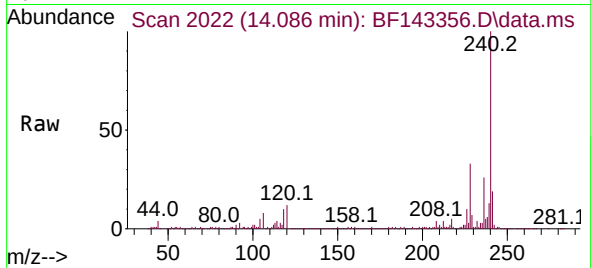
Tgt Ion:202 Resp: 388951
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 33.2
 203 17.4 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

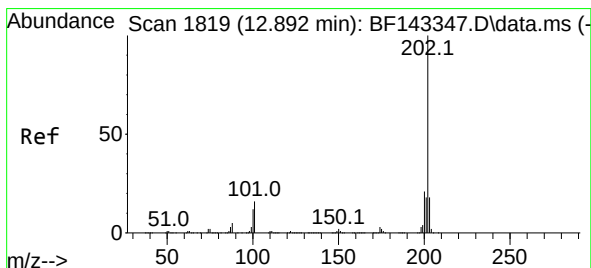
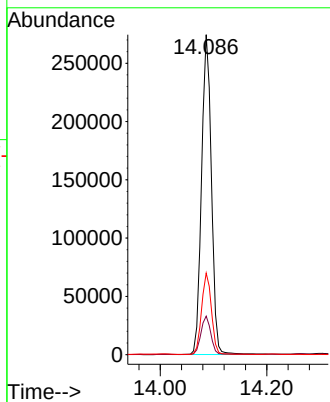
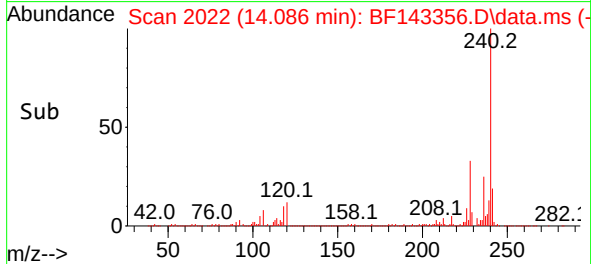
Instrument :
BNA_F
ClientSampleId :
COMP-6



Tgt Ion:240 Resp: 35220
Ion Ratio Lower Upper
240 100
120 12.0 9.0 13.6
236 25.5 19.9 29.9

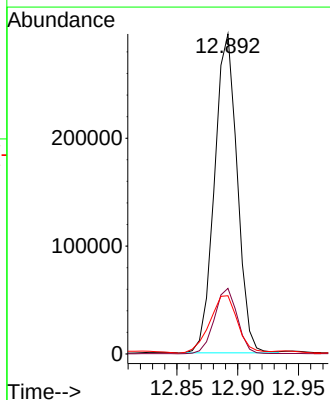
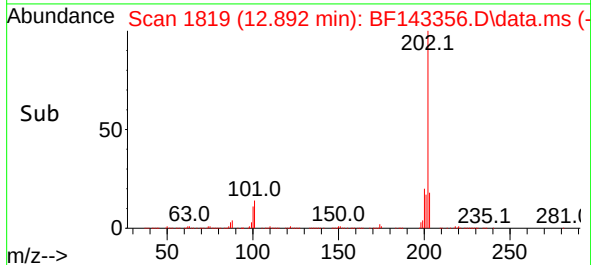
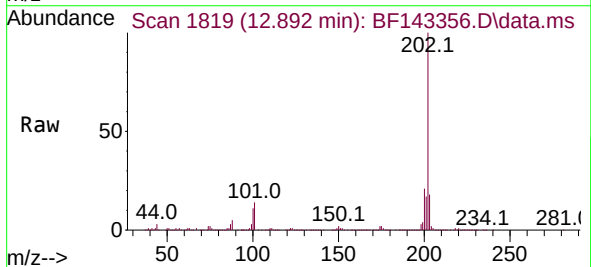
Manual Integrations
APPROVED

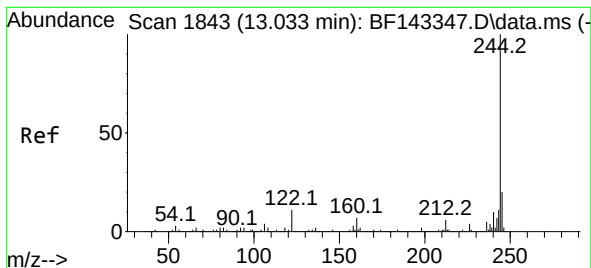
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#78
Pyrene
Concen: 13.002 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion:202 Resp: 384159
Ion Ratio Lower Upper
202 100
200 20.5 16.8 25.2
203 18.2 14.2 21.4





#79

Terphenyl-d14

Concen: 55.780 ng

RT: 13.027 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143356.D

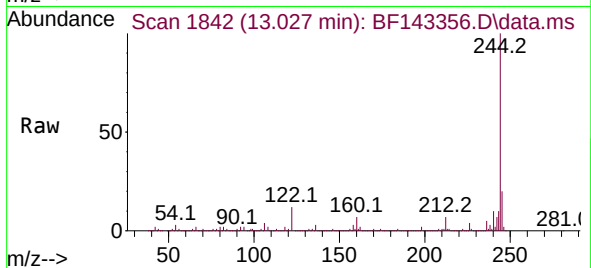
Acq: 12 Aug 2025 16:32

Instrument :

BNA_F

ClientSampleId :

COMP-6



Tgt Ion:244 Resp: 110040

Ion Ratio Lower Upper

244 100

212 6.6 5.1 7.7

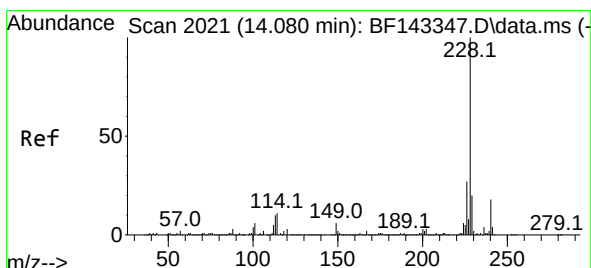
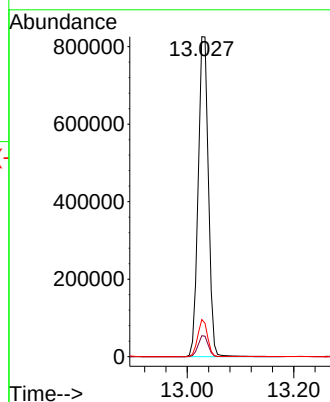
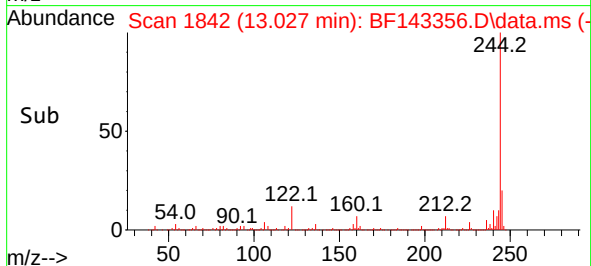
122 11.6 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#81

Benzo(a)anthracene

Concen: 9.433 ng

RT: 14.074 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF143356.D

Acq: 12 Aug 2025 16:32

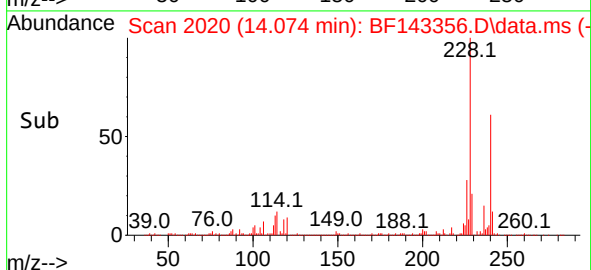
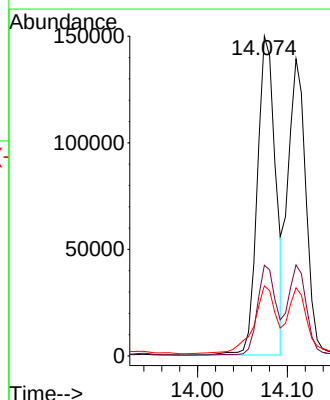
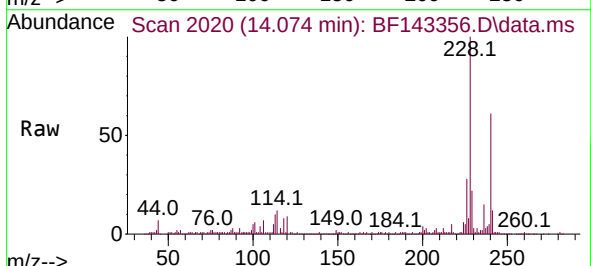
Tgt Ion:228 Resp: 211166

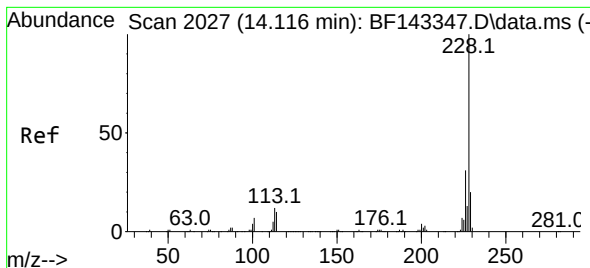
Ion Ratio Lower Upper

228 100

226 28.3 22.0 33.0

229 21.9 15.8 23.8





#83

Chrysene

Concen: 9.155 ng

RT: 14.110 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF143356.D

Acq: 12 Aug 2025 16:32

Instrument :

BNA_F

ClientSampleId :

COMP-6

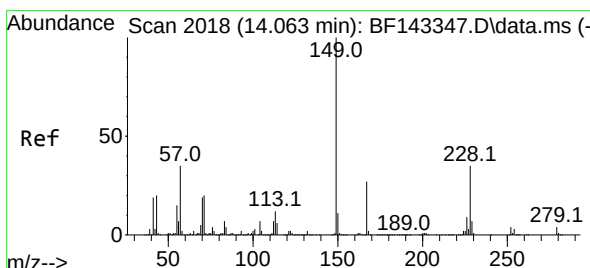
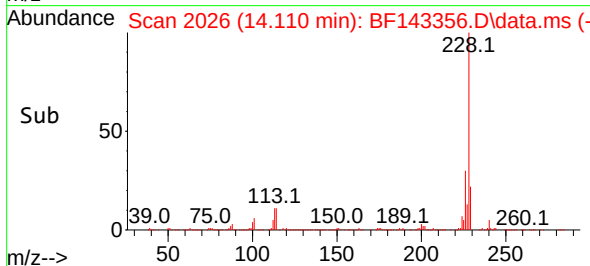
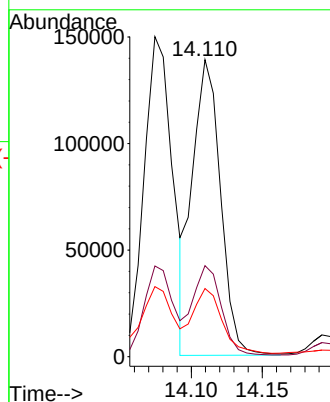
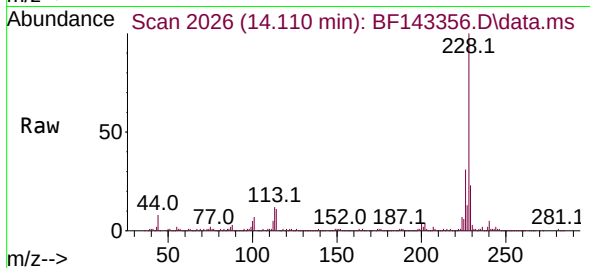
Tgt Ion:	228	Resp:	191104
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.2	36.2
229	23.0	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.881 ng

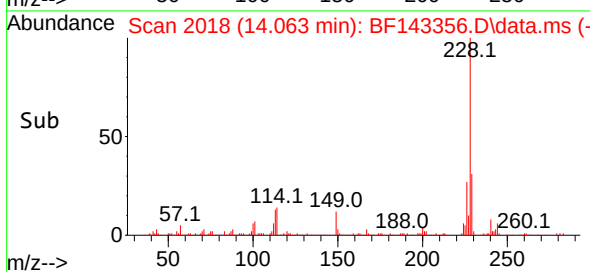
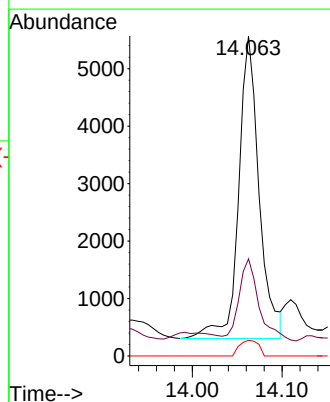
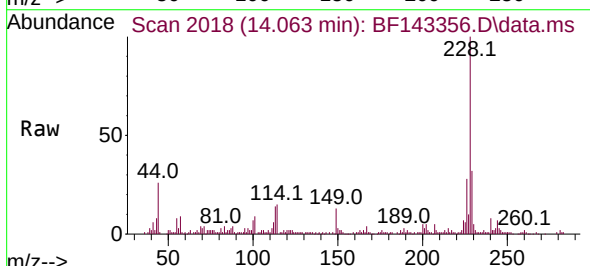
RT: 14.063 min Scan# 2018

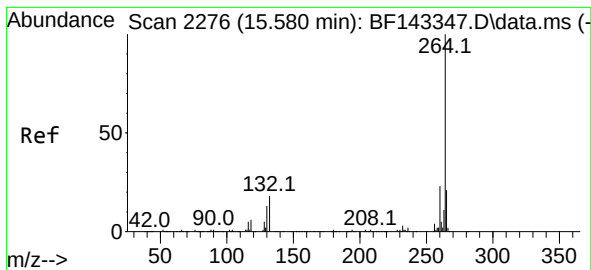
Delta R.T. -0.000 min

Lab File: BF143356.D

Acq: 12 Aug 2025 16:32

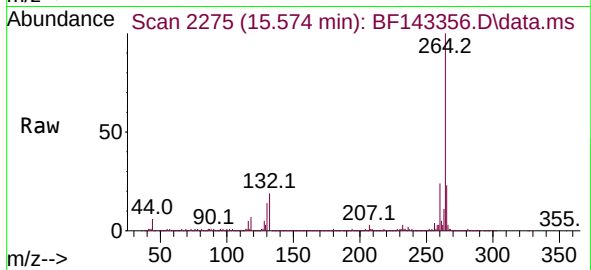
Tgt Ion:	149	Resp:	8350
Ion Ratio	Lower	Upper	
149	100		
167	30.4	21.4	32.0
279	4.9	3.2	4.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

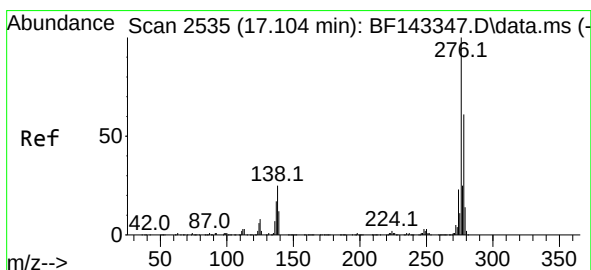
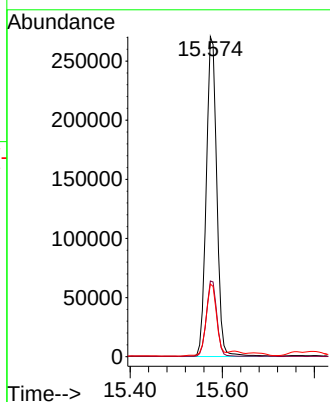
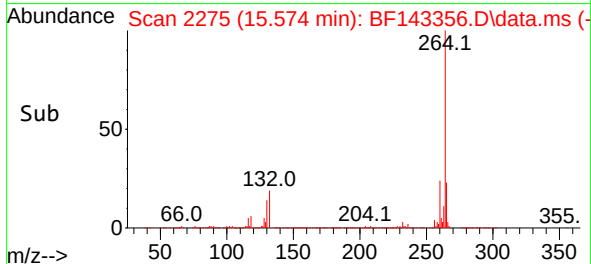
Instrument :
BNA_F
ClientSampleId :
COMP-6



Tgt Ion:264 Resp: 431950
Ion Ratio Lower Upper
264 100
260 23.6 18.7 28.1
265 22.7 17.2 25.8

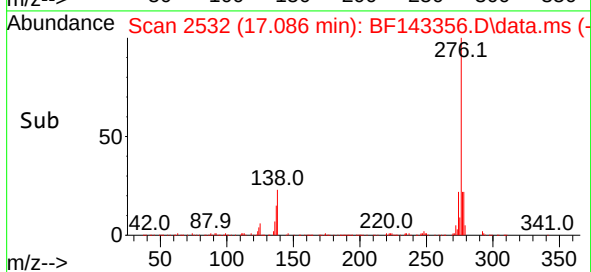
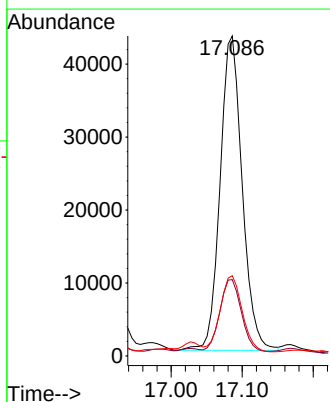
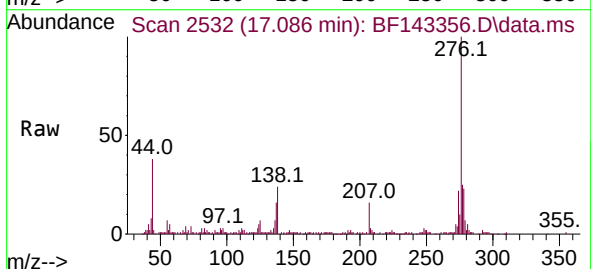
Manual Integrations
APPROVED

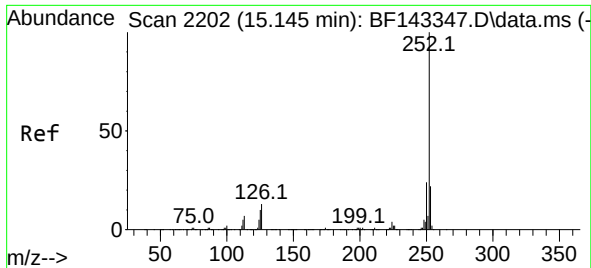
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.004 ng
RT: 17.086 min Scan# 2532
Delta R.T. -0.018 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

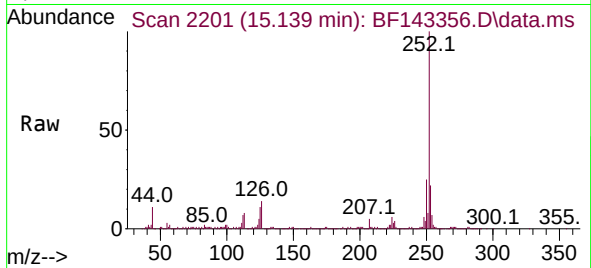
Tgt Ion:276 Resp: 92969
Ion Ratio Lower Upper
276 100
138 22.4 21.1 31.7
277 24.2 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 9.772 ng m
RT: 15.139 min Scan# 2104
Delta R.T. -0.006 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

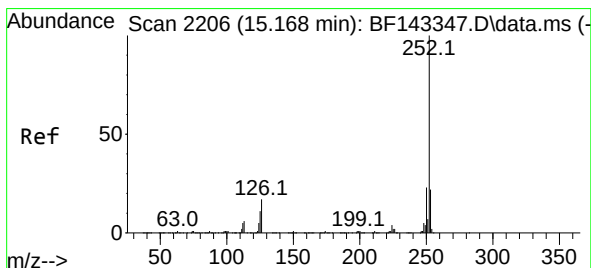
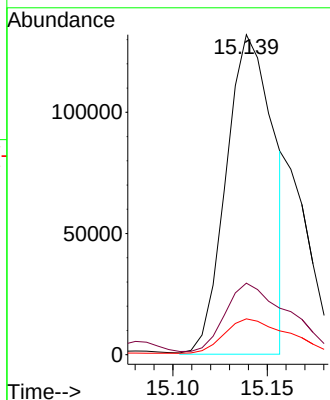
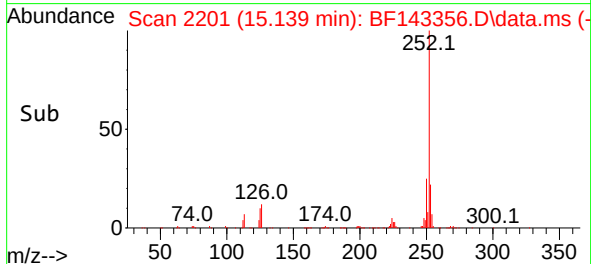
Instrument :
BNA_F
ClientSampleId :
COMP-6



Tgt Ion:252 Resp: 230870
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 11.2 7.8 11.6

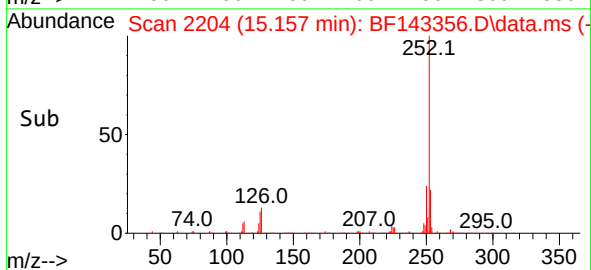
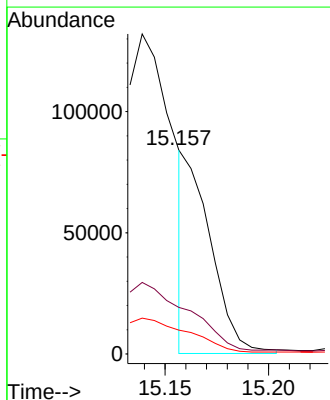
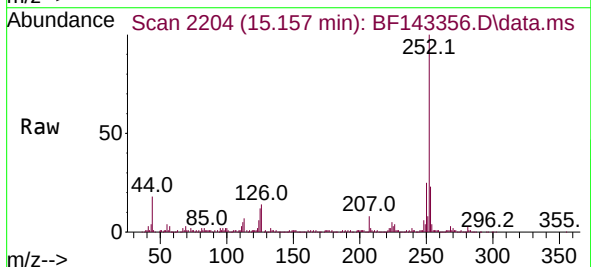
Manual Integrations
APPROVED

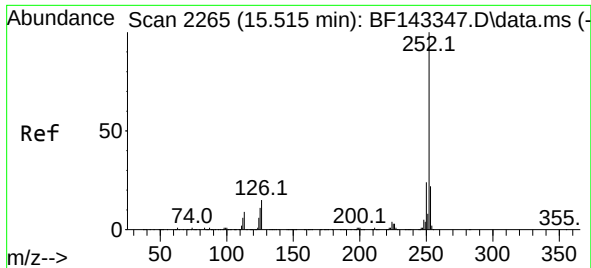
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#89
Benzo(k)fluoranthene
Concen: 3.119 ng m
RT: 15.157 min Scan# 2204
Delta R.T. -0.012 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

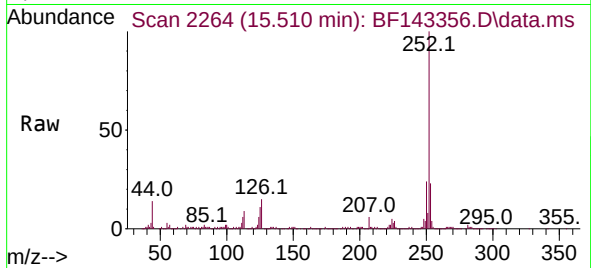
Tgt Ion:252 Resp: 71611
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 11.7 8.4 12.6





#90
Benzo(a)pyrene
Concen: 7.582 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

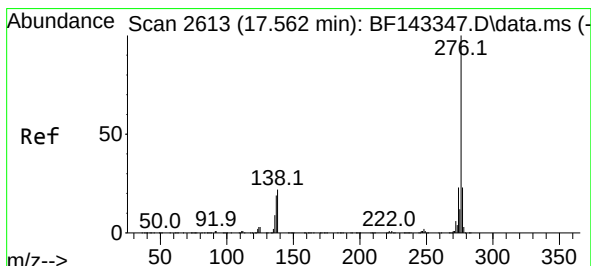
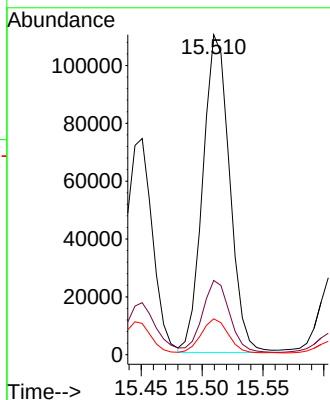
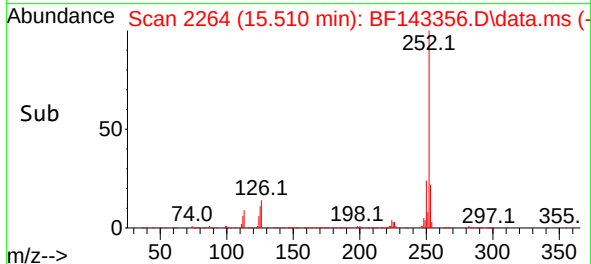
Instrument :
BNA_F
ClientSampleId :
COMP-6



Tgt Ion:252 Resp: 168720
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 11.2 9.1 13.7

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#92
Benzo(g,h,i)perylene
Concen: 3.451 ng
RT: 17.545 min Scan# 2610
Delta R.T. -0.018 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion:276 Resp: 85957
Ion Ratio Lower Upper
276 100
277 24.3 18.7 28.1
138 22.7 17.8 26.8

