

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091225\
 Data File : BF143745.D
 Acq On : 12 Sep 2025 21:04
 Operator : RC/JU
 Sample : Q3080-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-091125

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/15/2025
 Supervised By :Jagrut Upadhyay 09/15/2025

Quant Time: Sep 12 23:47:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 09 15:20:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	23362	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	77210	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	39429	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	66193	20.000	ng	0.00
76) Chrysene-d12	14.057	240	75028	20.000	ng	0.01
86) Perylene-d12	15.539	264	59513	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	18988	13.867	ng	0.00
7) Phenol-d6	6.504	99	21058	12.630	ng	0.00
23) Nitrobenzene-d5	7.446	82	13141	10.586	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	6557	16.502	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	28093	10.763	ng	0.00
79) Terphenyl-d14	13.004	244	36871	7.964	ng	0.01
Target Compounds						Qvalue
71) Phenanthrene	11.439	178	14087	3.863	ng	99
75) Fluoranthene	12.633	202	21551	6.437	ng	95
78) Pyrene	12.863	202	22902	3.818	ng	97
81) Benzo(a)anthracene	14.051	228	12843	2.661	ng	# 89
83) Chrysene	14.080	228	9118	2.063	ng	# 85
88) Benzo(b)fluoranthene	15.104	252	10860m	3.065	ng	
90) Benzo(a)pyrene	15.474	252	7949	2.554	ng	# 84

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

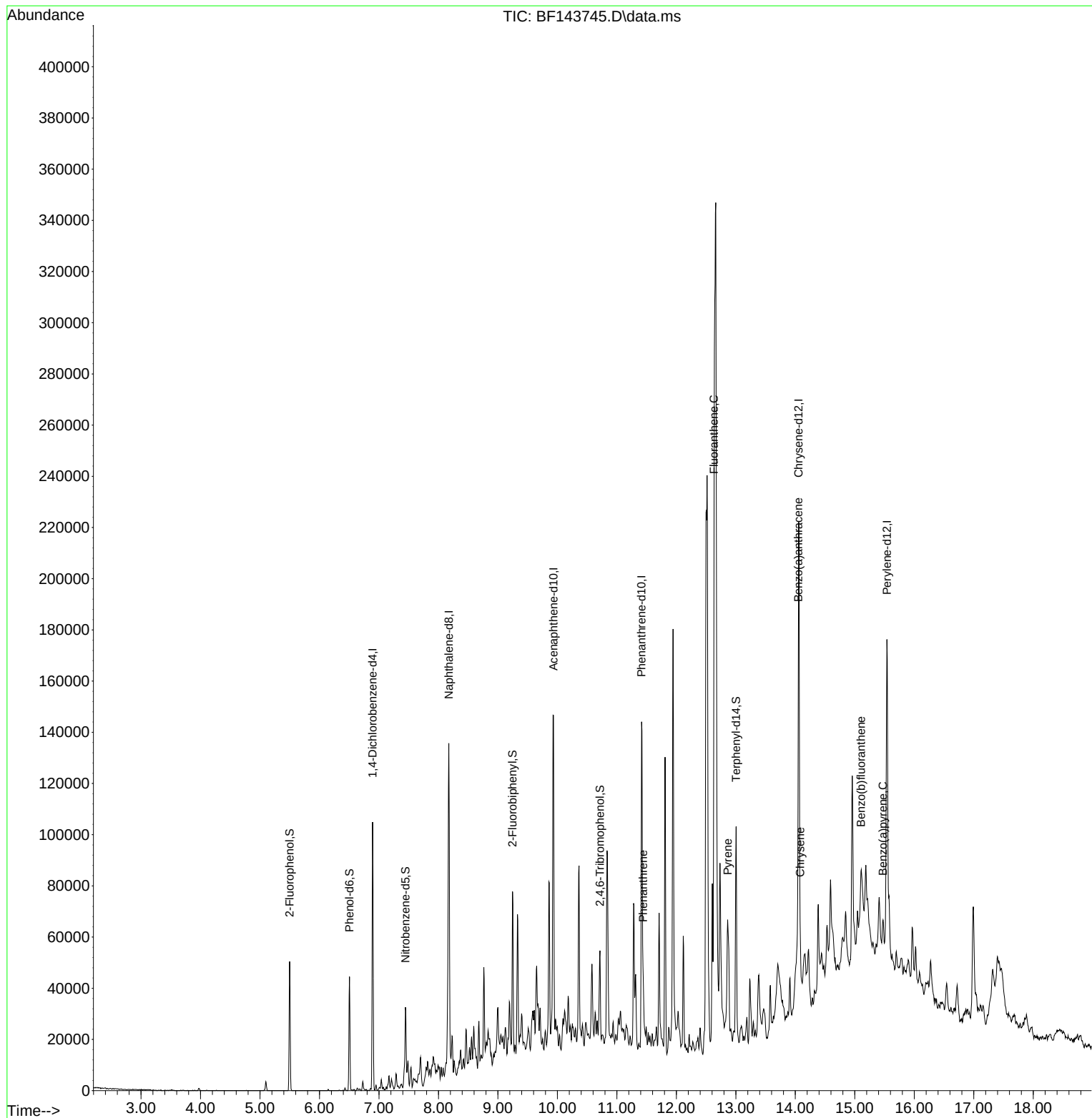
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091225\
Data File : BF143745.D
Acq On : 12 Sep 2025 21:04
Operator : RC/JU
Sample : Q3080-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

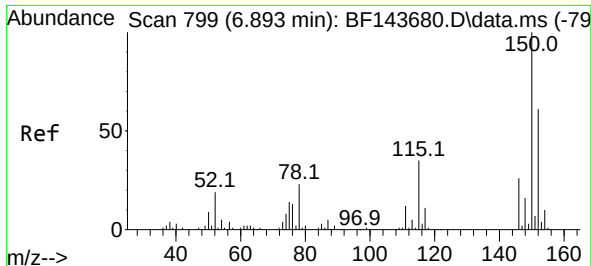
Instrument :
BNA_F
ClientSampleId :
EO-03-091125

Quant Time: Sep 12 23:47:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 09 15:20:16 2025
Response via : Initial Calibration

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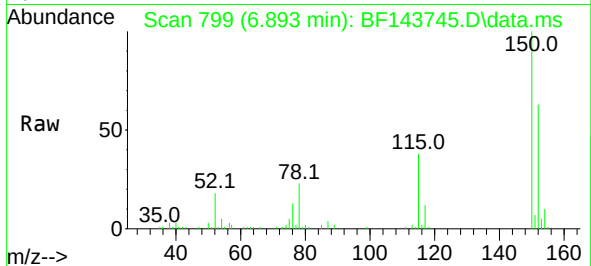
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 799
Delta R.T. -0.000 min
Lab File: BF143745.D
Acq: 12 Sep 2025 21:04

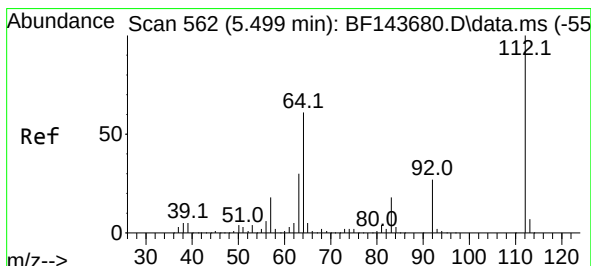
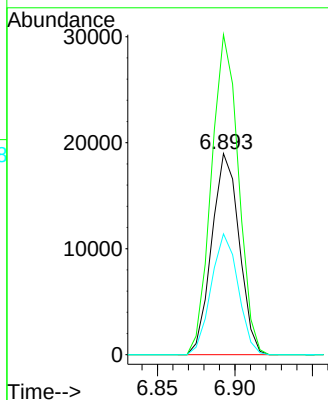
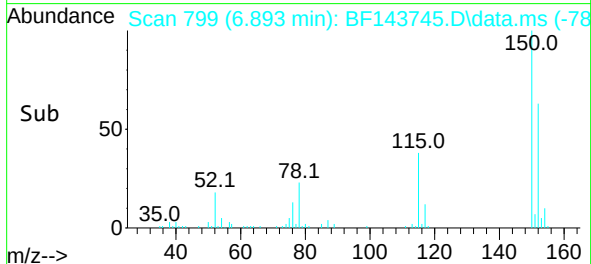
Instrument :
BNA_F
ClientSampleId :
EO-03-091125



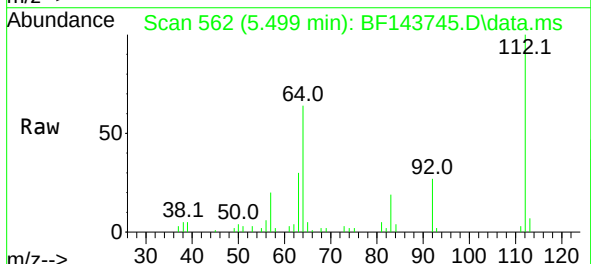
Tgt Ion:152 Resp: 23362
Ion Ratio Lower Upper
152 100
150 159.1 130.7 196.1
115 60.0 45.9 68.9

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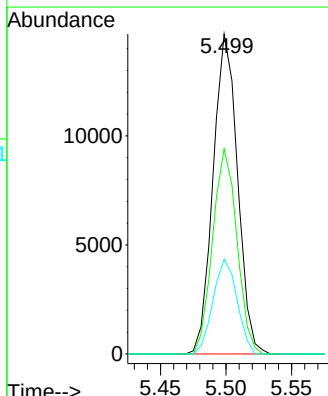
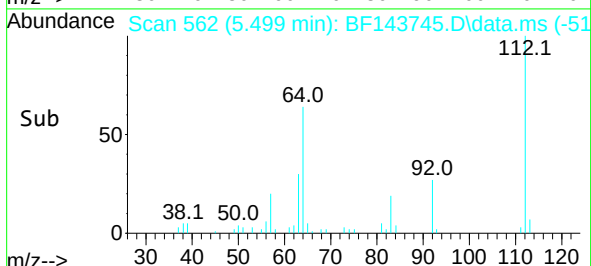
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025

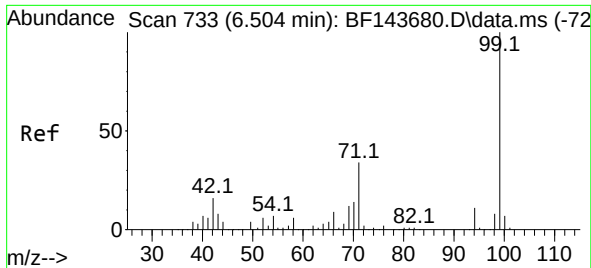


#5
2-Fluorophenol
Concen: 13.867 ng
RT: 5.499 min Scan# 562
Delta R.T. -0.000 min
Lab File: BF143745.D
Acq: 12 Sep 2025 21:04



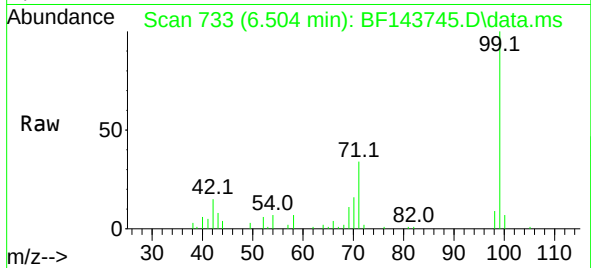
Tgt Ion:112 Resp: 18988
Ion Ratio Lower Upper
112 100
64 64.1 49.0 73.4
63 29.6 24.3 36.5





#7
Phenol-d6
Concen: 12.630 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF143745.D
Acq: 12 Sep 2025 21:04

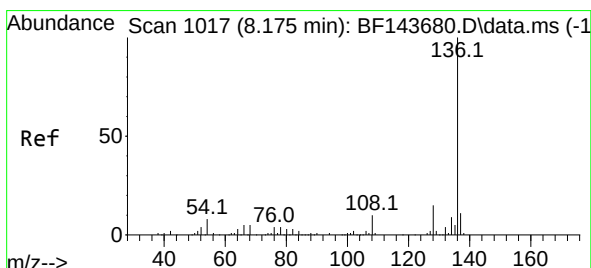
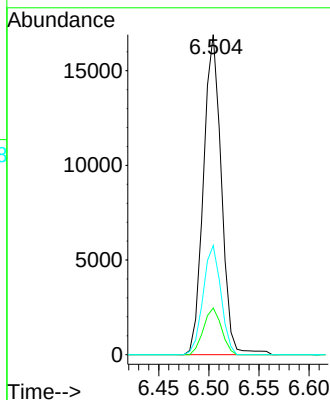
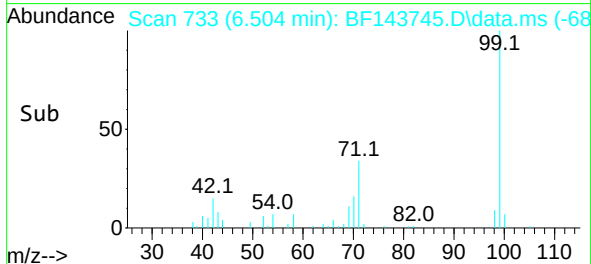
Instrument :
BNA_F
ClientSampleId :
EO-03-091125



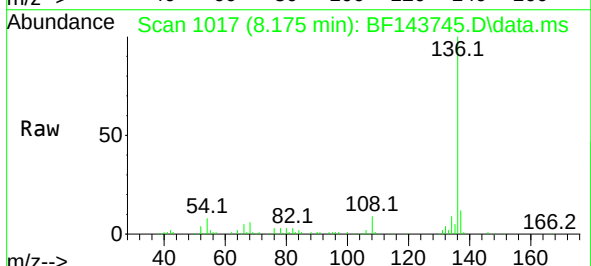
Tgt Ion: 99 Resp: 21058
Ion Ratio Lower Upper
99 100
42 14.6 13.0 19.4
71 34.1 27.4 41.2

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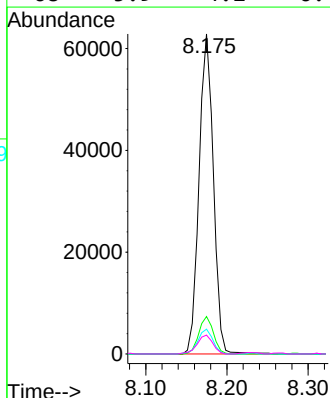
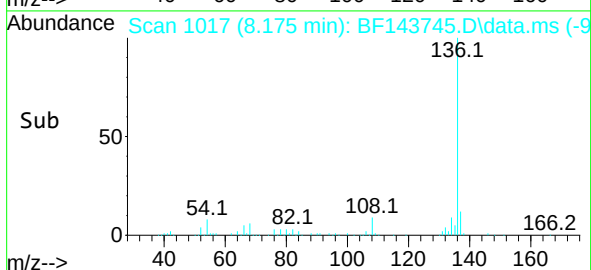
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025

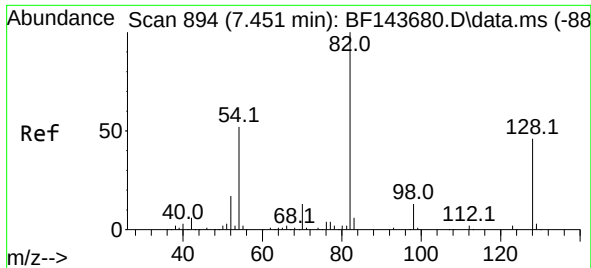


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BF143745.D
Acq: 12 Sep 2025 21:04



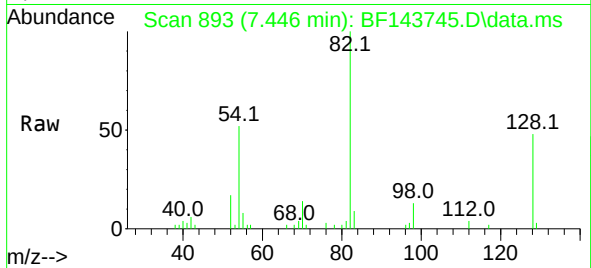
Tgt Ion:136 Resp: 77210
Ion Ratio Lower Upper
136 100
137 11.7 8.7 13.1
54 7.7 6.2 9.2
68 5.9 4.2 6.4





#23
Nitrobenzene-d5
Concen: 10.586 ng
RT: 7.446 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF143745.D
Acq: 12 Sep 2025 21:04

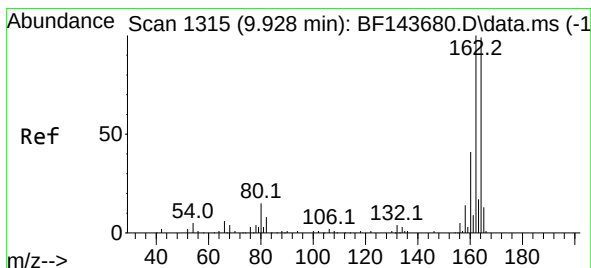
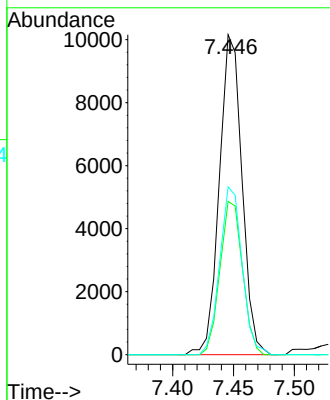
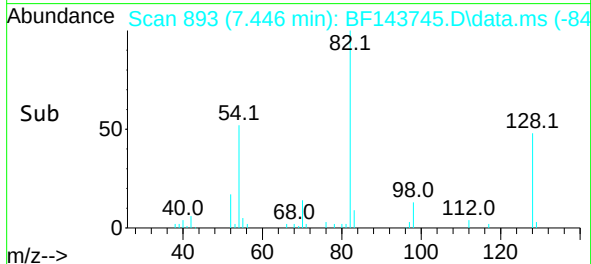
Instrument :
BNA_F
ClientSampleId :
EO-03-091125



Tgt Ion: 82 Resp: 1314
Ion Ratio Lower Upper
82 100
128 47.9 37.0 55.4
54 52.4 41.8 62.8

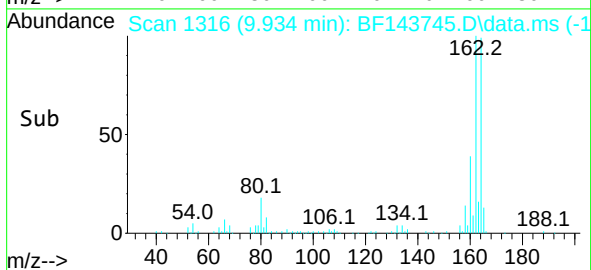
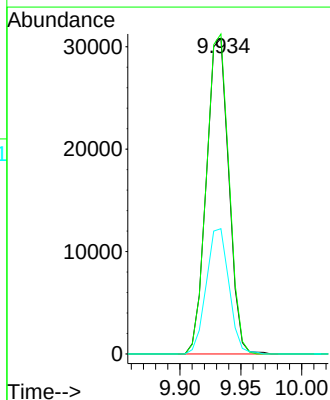
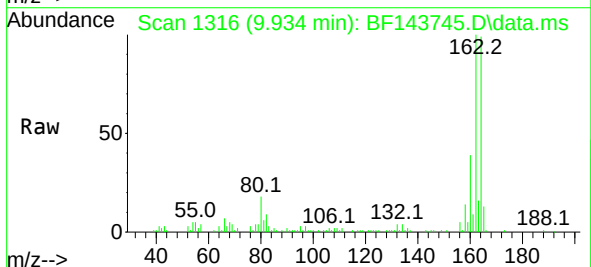
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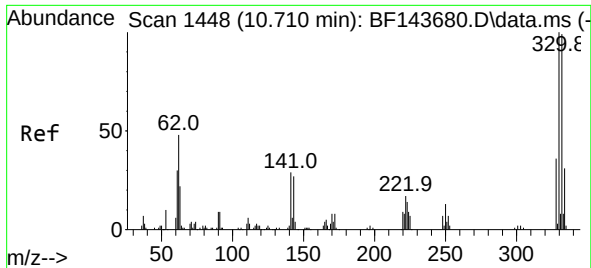
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. 0.006 min
Lab File: BF143745.D
Acq: 12 Sep 2025 21:04

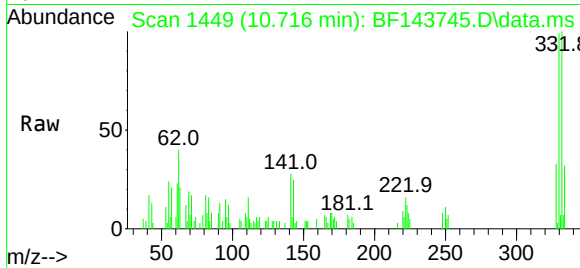
Tgt Ion:164 Resp: 39429
Ion Ratio Lower Upper
164 100
162 101.4 80.6 121.0
160 39.7 33.0 49.4





#42
2,4,6-Tribromophenol
Concen: 16.502 ng
RT: 10.716 min Scan# 1448
Delta R.T. 0.006 min
Lab File: BF143745.D
Acq: 12 Sep 2025 21:04

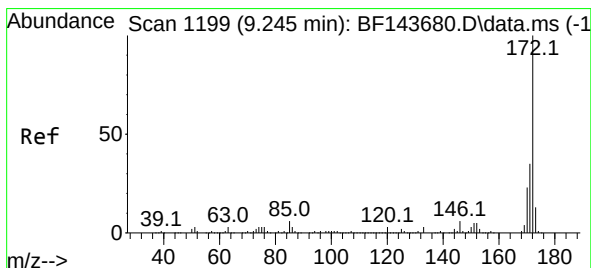
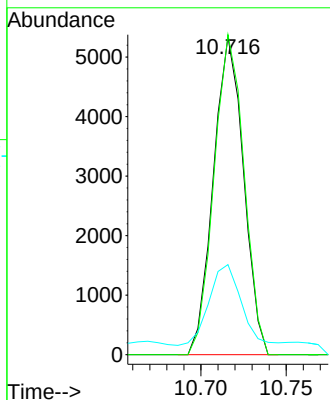
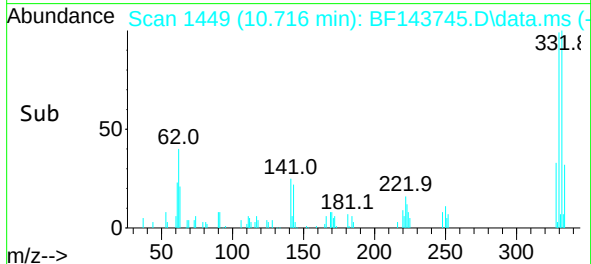
Instrument :
BNA_F
ClientSampleId :
EO-03-091125



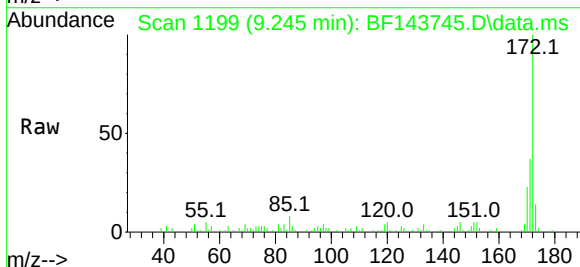
Tgt Ion: 330 Resp: 655
Ion Ratio Lower Upper
330 100
332 100.1 79.2 118.8
141 27.1 22.2 33.4

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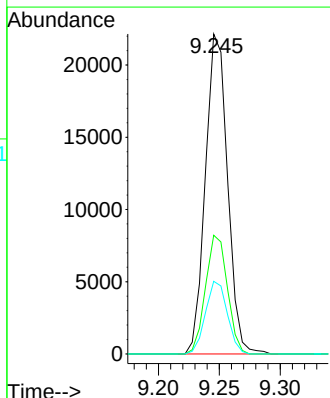
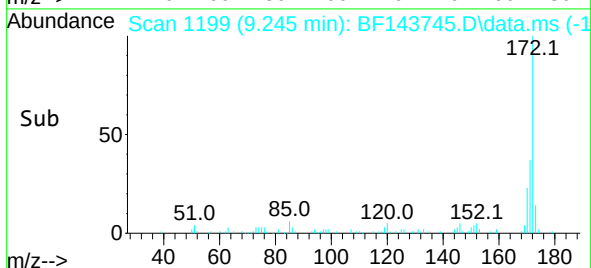
Reviewed By :Rahul Chavli 09/15/2025
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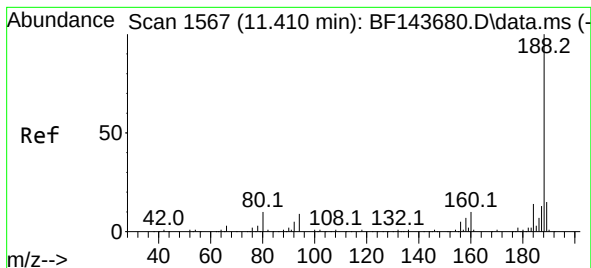


#45
2-Fluorobiphenyl
Concen: 10.763 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BF143745.D
Acq: 12 Sep 2025 21:04



Tgt Ion: 172 Resp: 28093
Ion Ratio Lower Upper
172 100
171 37.1 27.9 41.9
170 22.7 18.6 27.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1567

Delta R.T. 0.006 min

Lab File: BF143745.D

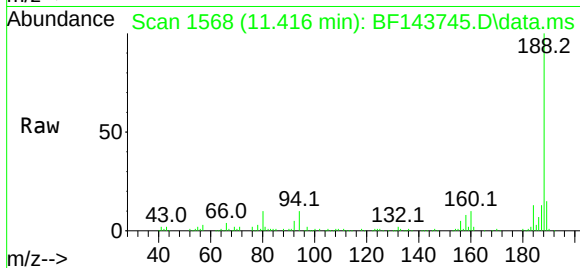
Acq: 12 Sep 2025 21:04

Instrument :

BNA_F

ClientSampleId :

EO-03-091125



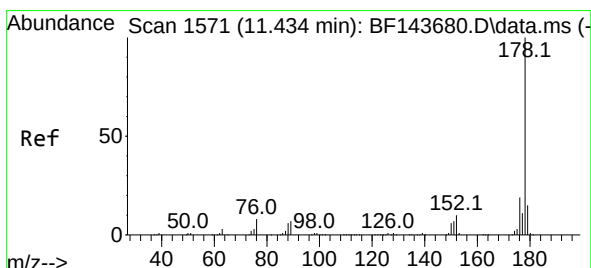
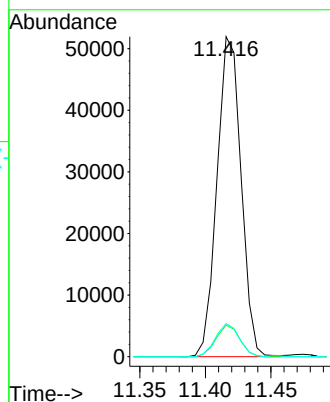
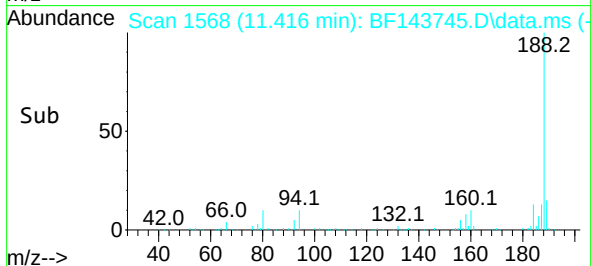
Tgt Ion:188	Resp:	6619
Ion Ratio	Lower	Upper
188	100	
94	9.8	7.4 11.0
80	10.4	7.7 11.5

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Supervised By :Jagrut Upadhyay 09/15/2025



#71

Phenanthrene

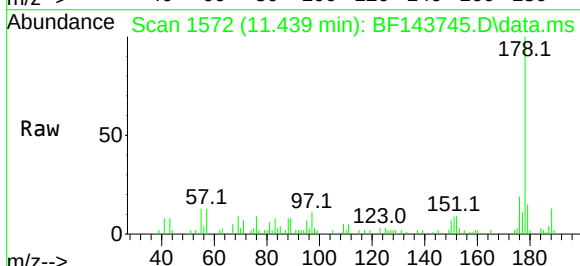
Concen: 3.863 ng

RT: 11.439 min Scan# 1572

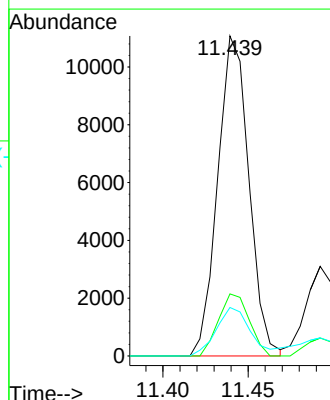
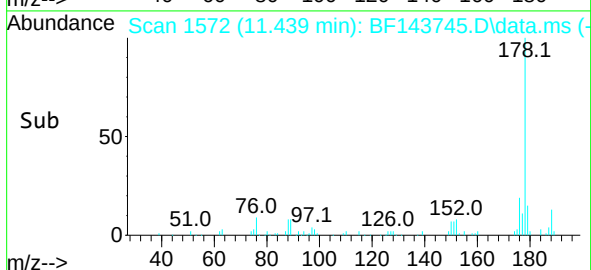
Delta R.T. 0.006 min

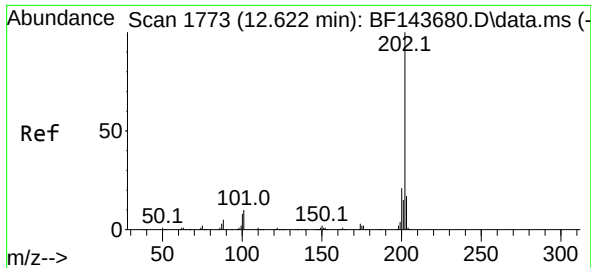
Lab File: BF143745.D

Acq: 12 Sep 2025 21:04



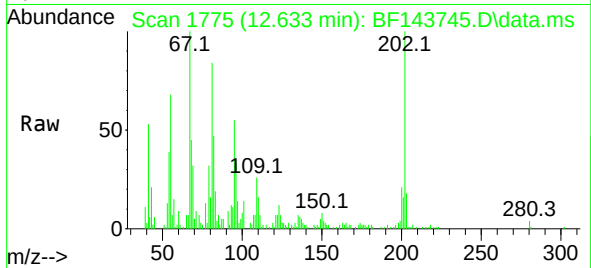
Tgt Ion:178	Resp:	14087
Ion Ratio	Lower	Upper
178	100	
176	19.4	14.8 22.2
179	15.2	12.2 18.2





#75
Fluoranthene
Concen: 6.437 ng
RT: 12.633 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF143745.D
Acq: 12 Sep 2025 21:04

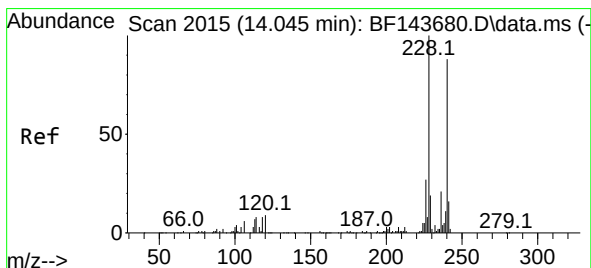
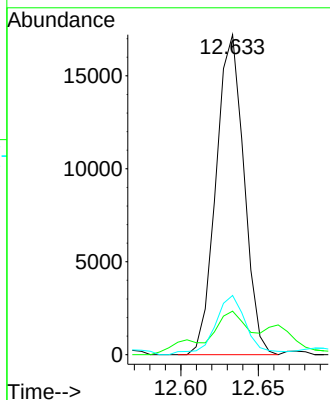
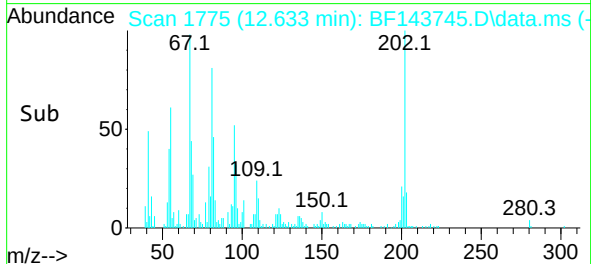
Instrument :
BNA_F
ClientSampleId :
EO-03-091125



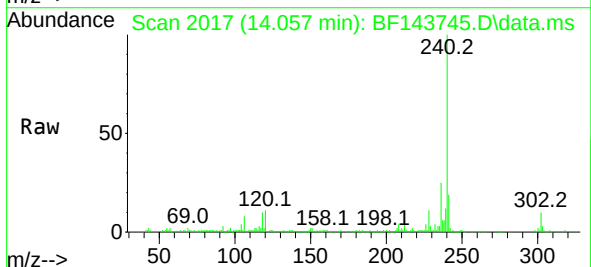
Tgt Ion:202 Resp: 2155
Ion Ratio Lower Upper
202 100
101 13.6 0.0 30.5
203 18.5 0.0 37.1

Manual Integrations
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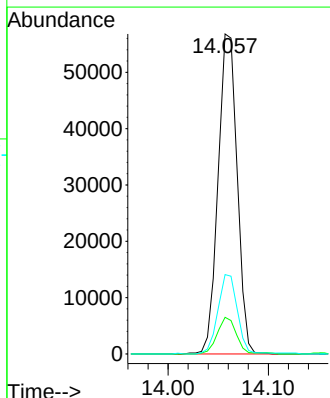
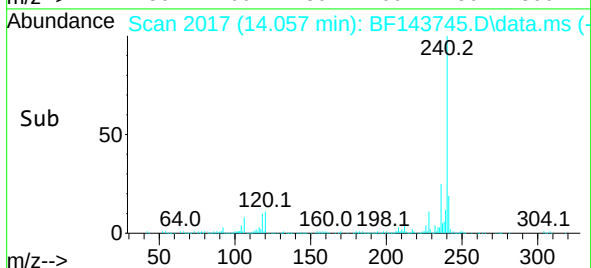
Reviewed By :Rahul Chavli 09/15/2025
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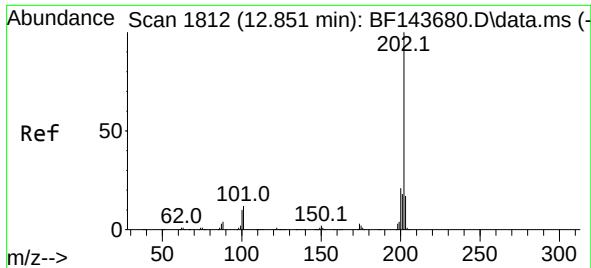


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.012 min
Lab File: BF143745.D
Acq: 12 Sep 2025 21:04



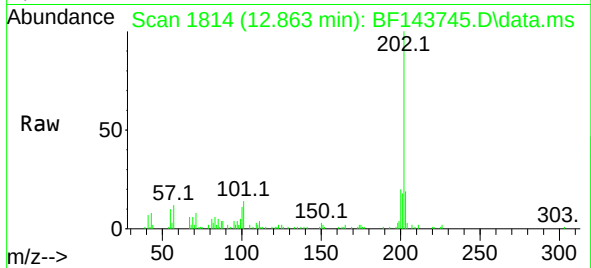
Tgt Ion:240 Resp: 75028
Ion Ratio Lower Upper
240 100
120 11.5 8.4 12.6
236 24.8 18.6 28.0





#78
 Pyrene
 Concen: 3.818 ng
 RT: 12.863 min Scan# 1814
 Delta R.T. 0.012 min
 Lab File: BF143745.D
 Acq: 12 Sep 2025 21:04

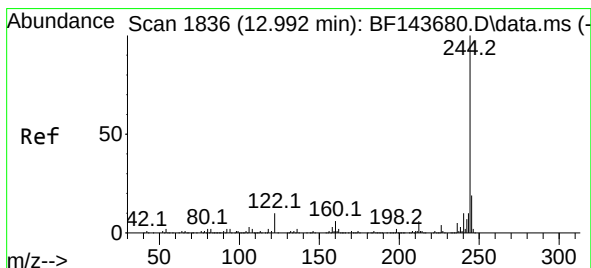
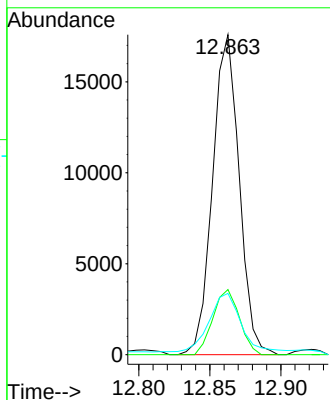
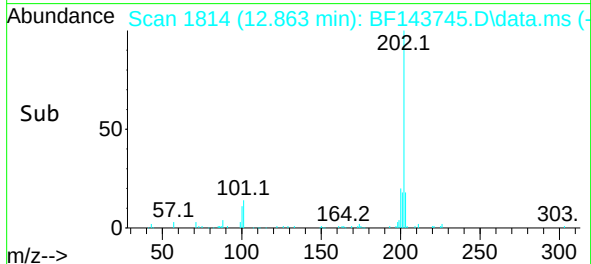
Instrument :
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 EO-03-091125



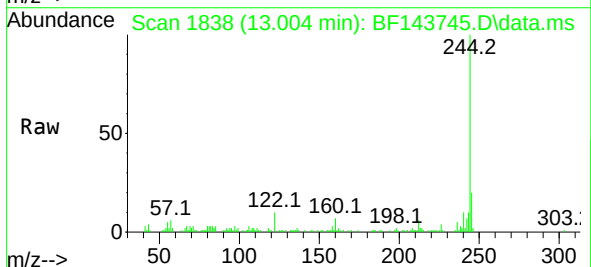
Tgt Ion: 202 Resp: 2290
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.6 24.8
 203 19.2 13.5 20.3

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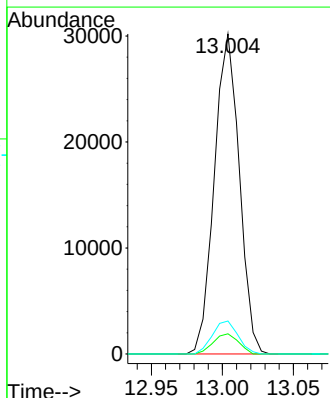
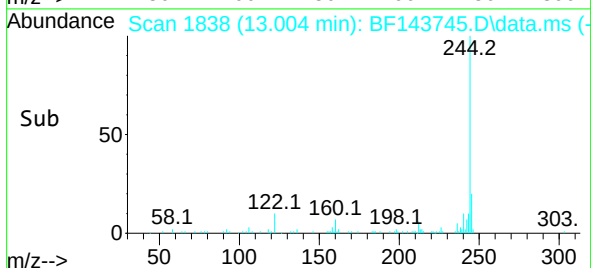
Reviewed By :Rahul Chavli 09/15/2025
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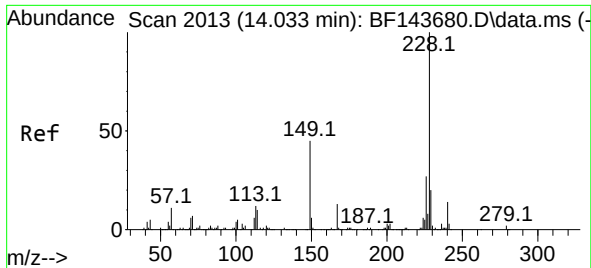


#79
 Terphenyl-d14
 Concen: 7.964 ng
 RT: 13.004 min Scan# 1838
 Delta R.T. 0.012 min
 Lab File: BF143745.D
 Acq: 12 Sep 2025 21:04



Tgt Ion: 244 Resp: 36871
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.0 7.6
 122 10.3 7.9 11.9





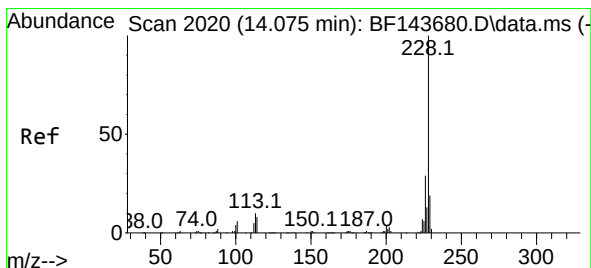
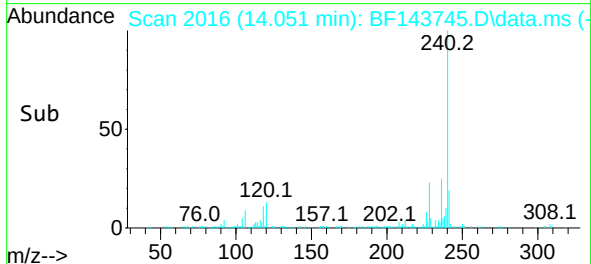
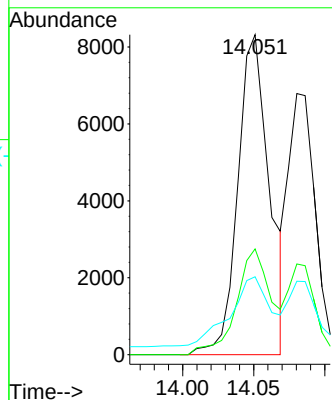
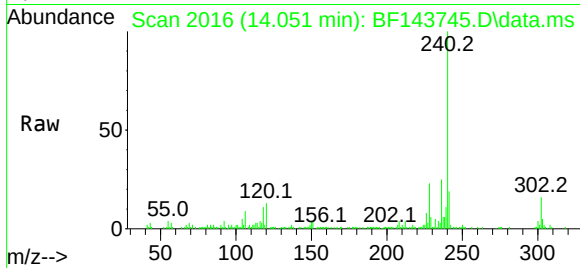
#81
Benzo(a)anthracene
Concen: 2.661 ng
RT: 14.051 min Scan# 2016
Delta R.T. 0.018 min
Lab File: BF143745.D
Acq: 12 Sep 2025 21:04

Instrument :
BNA_F
ClientSampleId :
EO-03-091125

Tgt Ion:228 Resp: 1284
Ion Ratio Lower Upper
228 100
226 33.0 21.6 32.4#
229 24.3 15.7 23.5#

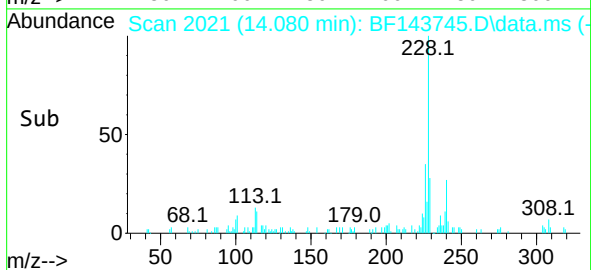
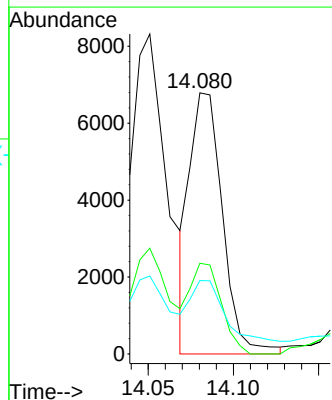
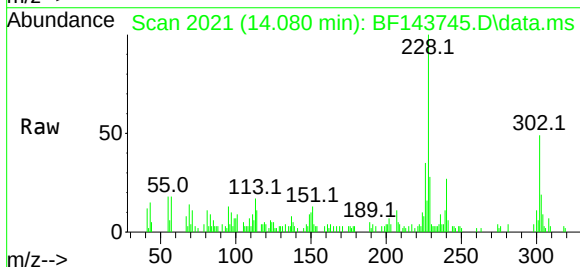
Manual Integrations
APPROVED

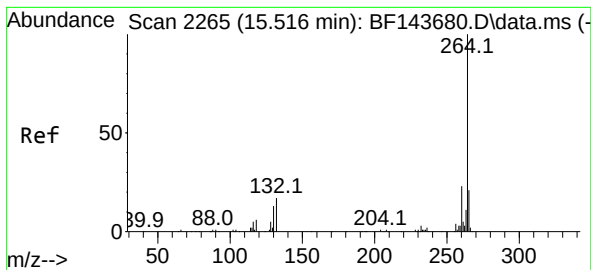
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025



#83
Chrysene
Concen: 2.063 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF143745.D
Acq: 12 Sep 2025 21:04

Tgt Ion:228 Resp: 9118
Ion Ratio Lower Upper
228 100
226 34.7 22.7 34.1#
229 28.1 15.1 22.7#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2195

Delta R.T. 0.024 min

Lab File: BF143745.D

Acq: 12 Sep 2025 21:04

Instrument :

BNA_F

ClientSampleId :

EO-03-091125

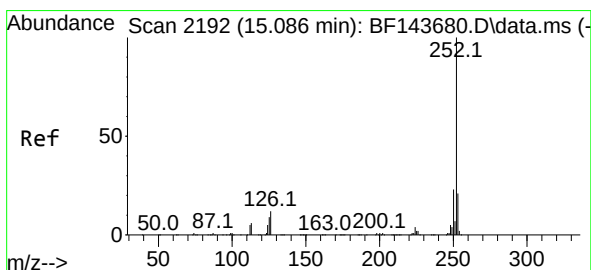
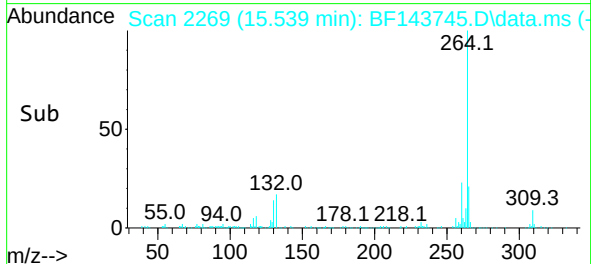
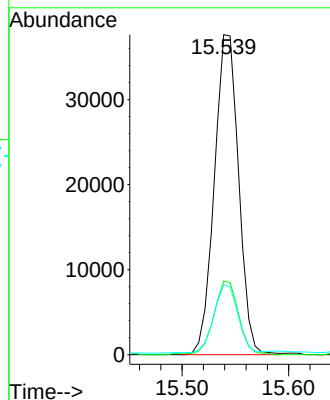
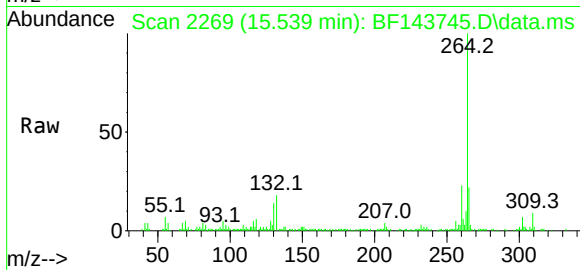
Tgt Ion:	264	Resp:	5951
Ion Ratio	Lower	Upper	
264	100		
260	23.1	18.4	27.6
265	21.9	17.1	25.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/15/2025

Supervised By :Jagrut Upadhyay 09/15/2025



#88

Benzo(b)fluoranthene

Concen: 3.065 ng m

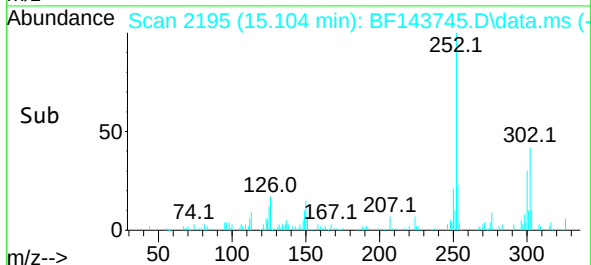
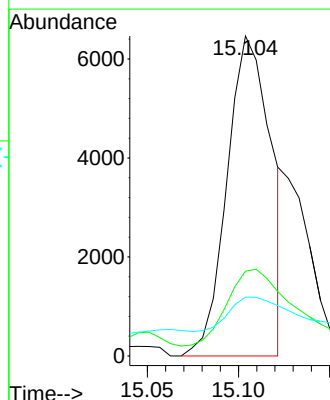
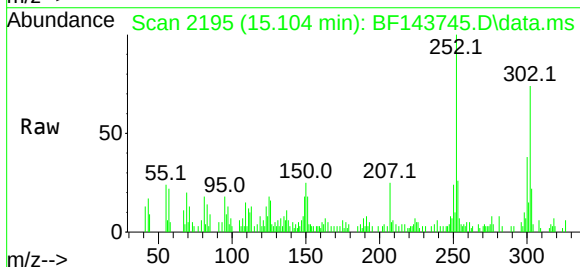
RT: 15.104 min Scan# 2195

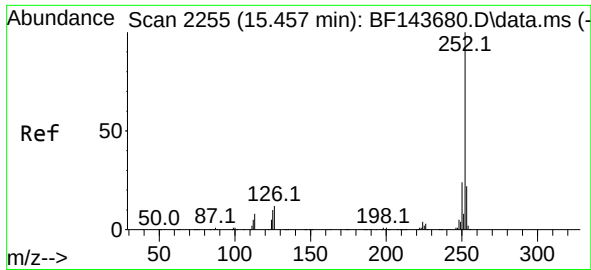
Delta R.T. 0.018 min

Lab File: BF143745.D

Acq: 12 Sep 2025 21:04

Tgt Ion:	252	Resp:	10860
Ion Ratio	Lower	Upper	
252	100		
253	26.5	17.0	25.4#
125	18.4	7.4	11.0#





#90

Benzo(a)pyrene

Concen: 2.554 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF143745.D

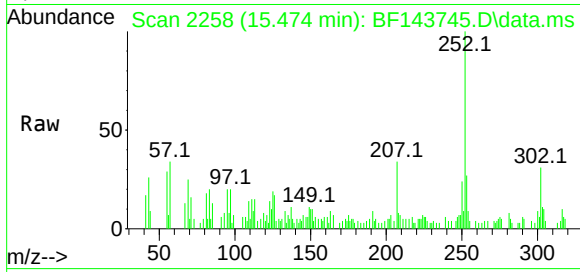
Acq: 12 Sep 2025 21:04

Instrument :

BNA_F

ClientSampleId :

EO-03-091125



Tgt Ion:	252	Resp:	7949
Ion Ratio	Lower	Upper	
252	100		
253	27.4	17.4	26.0
125	19.2	8.2	12.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/15/2025

Supervised By :Jagrut Upadhyay 09/15/2025

