

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
 Data File : BF143722.D
 Acq On : 11 Sep 2025 22:53
 Operator : RC/JU
 Sample : Q3072-01 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 30-GARFIELD-PL-COMP

Quant Time: Sep 12 04:42:53 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

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/12/2025
 Supervised By :Jagrut Upadhyay 09/12/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	35693	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	133697	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	70043	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	97503	20.000	ng	0.00
76) Chrysene-d12	14.062	240	95211	20.000	ng	0.02
86) Perylene-d12	15.539	264	72028	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	102428	48.961	ng	0.00
7) Phenol-d6	6.504	99	125409	49.233	ng	0.00
23) Nitrobenzene-d5	7.451	82	74963	34.875	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	30496	43.203	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	163661	35.297	ng	0.00
79) Terphenyl-d14	13.004	244	145466	24.759	ng	0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.445	178	70997	13.216	ng	99
72) Anthracene	11.492	178	20100	3.721	ng	97
75) Fluoranthene	12.633	202	123937	25.130	ng	100
78) Pyrene	12.863	202	109853	14.431	ng	98
81) Benzo(a)anthracene	14.051	228	86065	14.051	ng	97
83) Chrysene	14.086	228	60840	10.845	ng	95
87) Indeno(1,2,3-cd)pyrene	17.027	276	26217	5.333	ng	95
88) Benzo(b)fluoranthene	15.104	252	78317m	18.266	ng	
89) Benzo(k)fluoranthene	15.121	252	28554m	7.379	ng	
90) Benzo(a)pyrene	15.474	252	53192	14.121	ng	98
92) Benzo(g,h,i)perylene	17.474	276	23495	6.159	ng	96

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

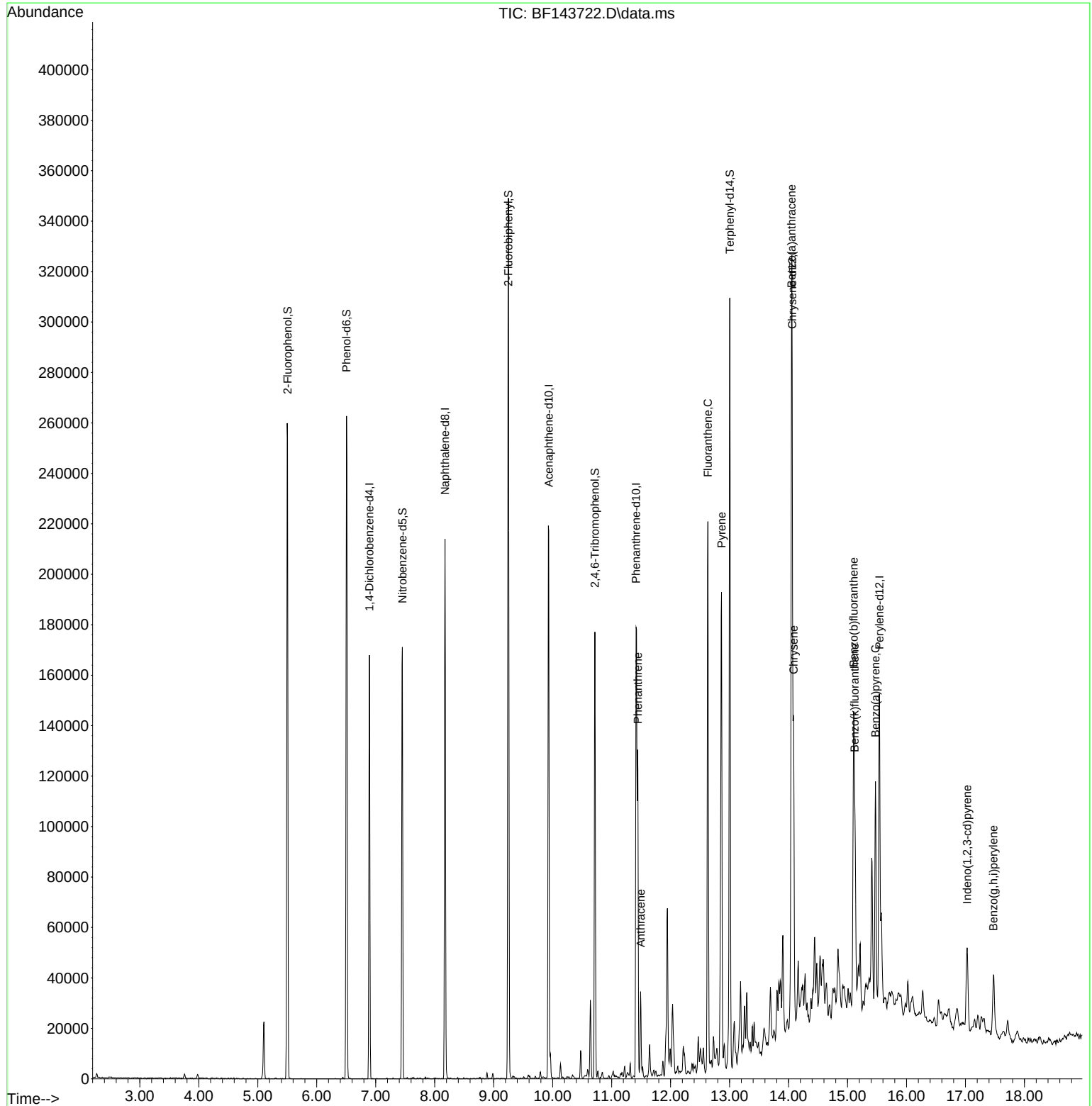
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
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Acq On : 11 Sep 2025 22:53
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Misc :
ALS Vial : 23 Sample Multiplier: 1

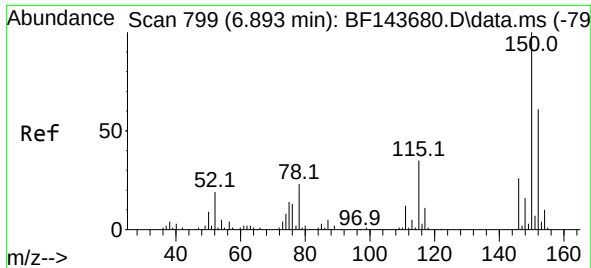
Instrument :
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30-GARFIELD-PL-COMP

Quant Time: Sep 12 04:42:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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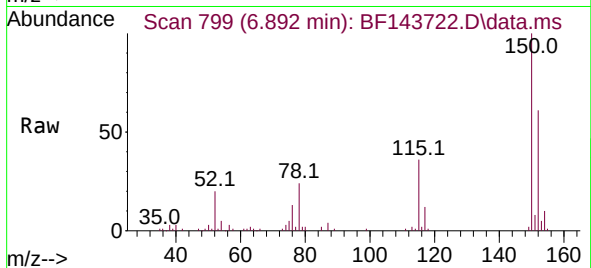
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Supervised By :Jagrut Upadhyay 09/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF143722.D
Acq: 11 Sep 2025 22:53

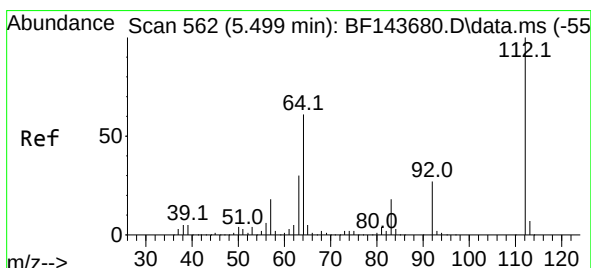
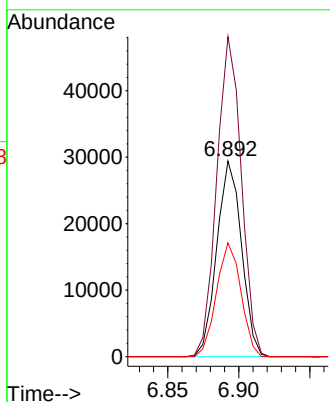
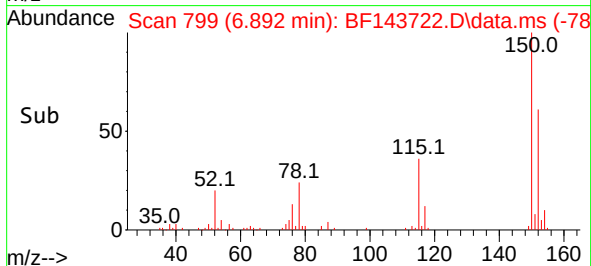
Instrument :
BNA_F
ClientSampleId :
30-GARFIELD-PL-COMP



Tgt Ion:152 Resp: 35693
Ion Ratio Lower Upper
152 100
150 163.7 130.7 196.1
115 58.1 45.9 68.9

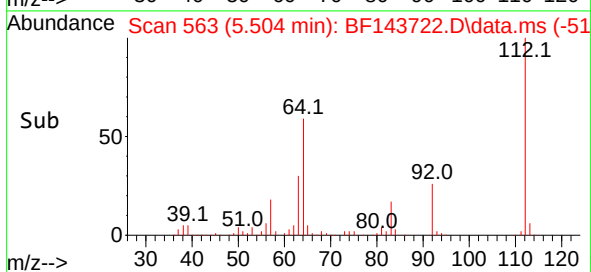
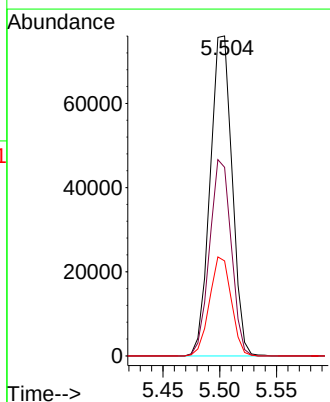
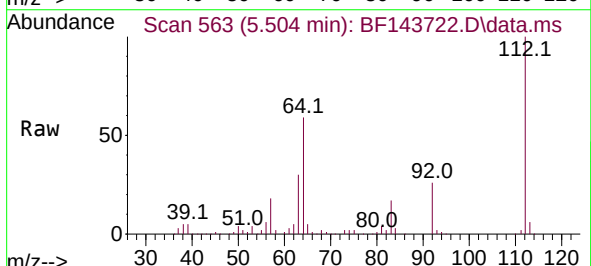
Manual Integrations
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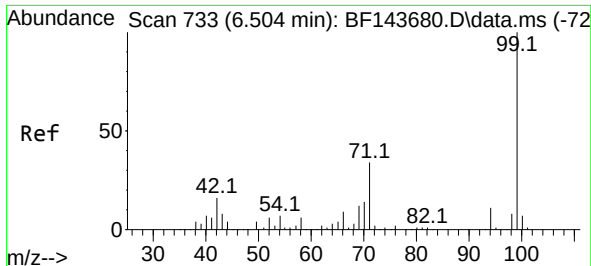
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025



#5
2-Fluorophenol
Concen: 48.961 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF143722.D
Acq: 11 Sep 2025 22:53

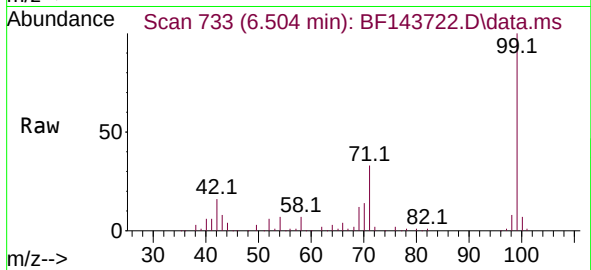
Tgt Ion:112 Resp: 102428
Ion Ratio Lower Upper
112 100
64 58.9 49.0 73.4
63 29.7 24.3 36.5





#7
Phenol-d6
Concen: 49.233 ng
RT: 6.504 min Scan# 733
Delta R.T. -0.000 min
Lab File: BF143722.D
Acq: 11 Sep 2025 22:53

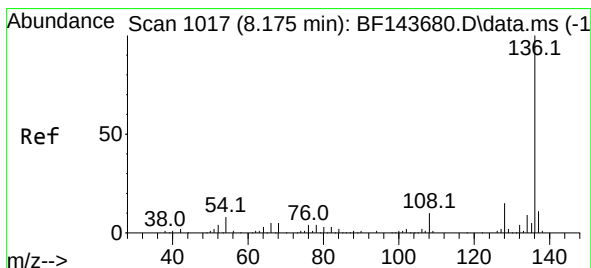
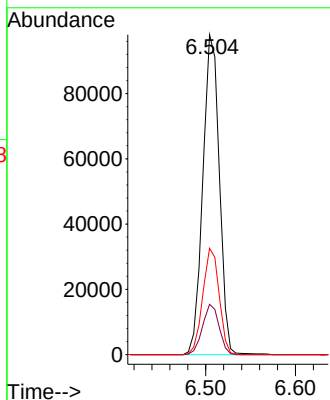
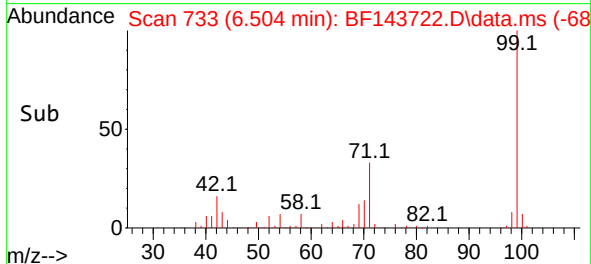
Instrument :
BNA_F
ClientSampleId :
30-GARFIELD-PL-COMP



Tgt Ion: 99 Resp: 125409
Ion Ratio Lower Upper
99 100
42 15.7 13.0 19.4
71 33.2 27.4 41.2

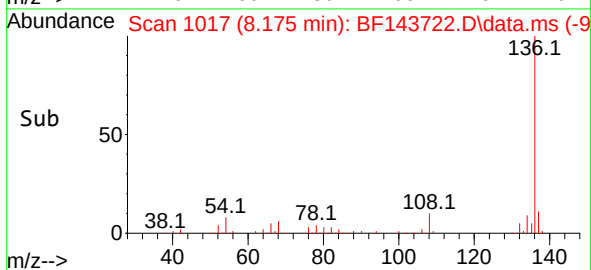
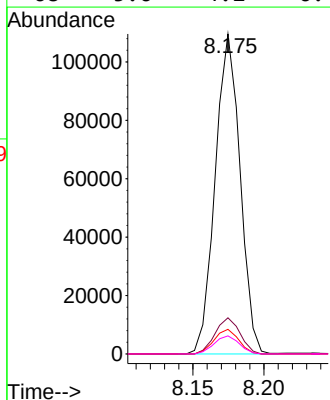
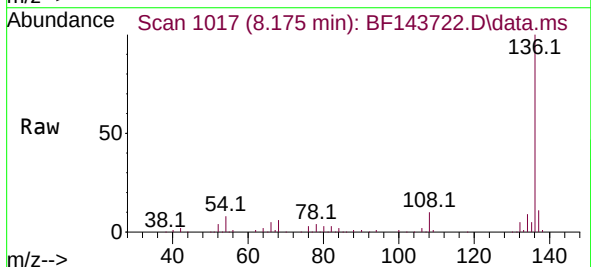
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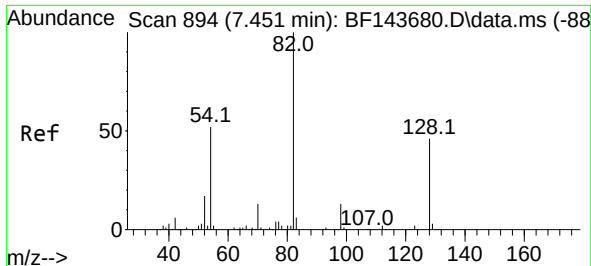
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BF143722.D
Acq: 11 Sep 2025 22:53

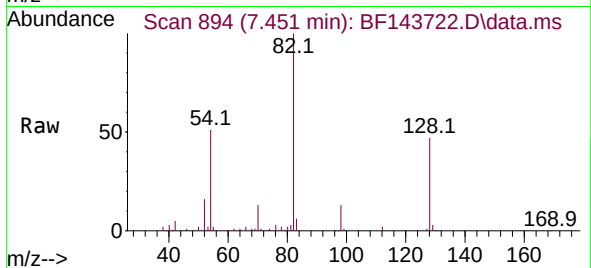
Tgt Ion:136 Resp: 133697
Ion Ratio Lower Upper
136 100
137 11.3 8.7 13.1
54 7.7 6.2 9.2
68 5.6 4.2 6.4





#23
Nitrobenzene-d5
Concen: 34.875 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.000 min
Lab File: BF143722.D
Acq: 11 Sep 2025 22:53

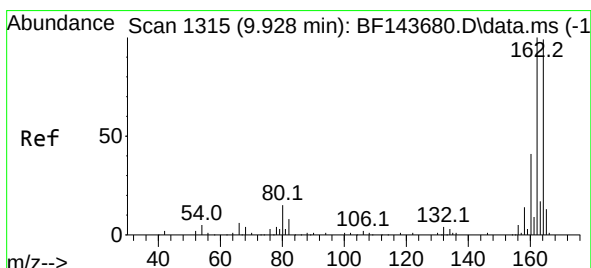
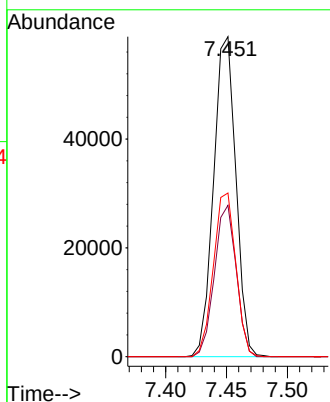
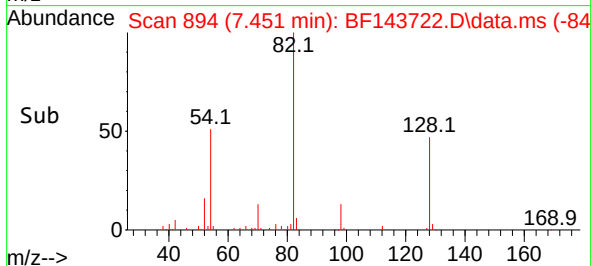
Instrument :
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ClientSampleId :
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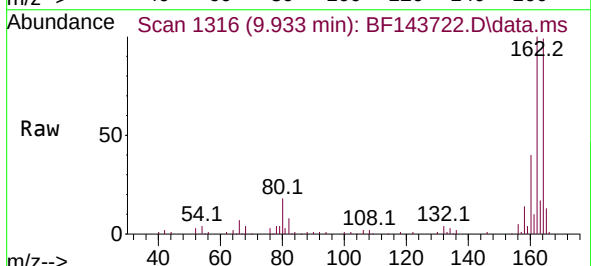
Tgt Ion: 82 Resp: 74963
Ion Ratio Lower Upper
82 100
128 47.3 37.0 55.4
54 51.1 41.8 62.8

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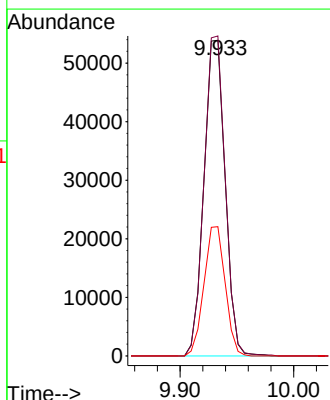
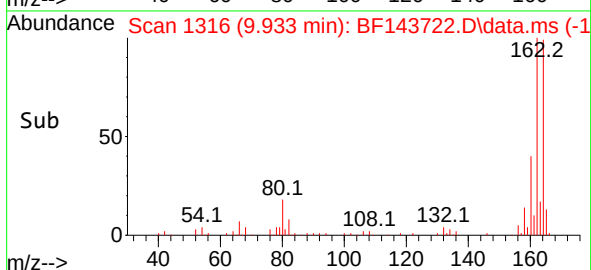
Reviewed By :Rahul Chavli 09/12/2025
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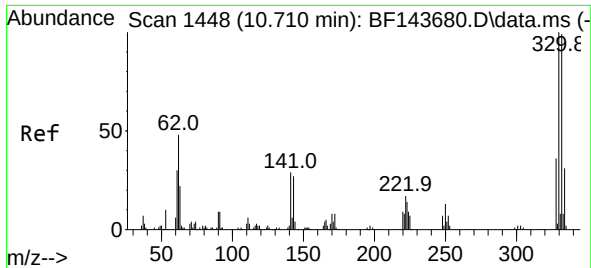


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.006 min
Lab File: BF143722.D
Acq: 11 Sep 2025 22:53



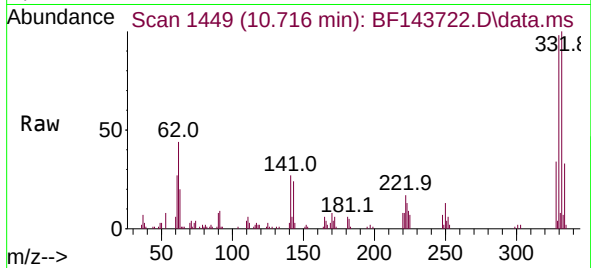
Tgt Ion:164 Resp: 70043
Ion Ratio Lower Upper
164 100
162 101.4 80.6 121.0
160 40.9 33.0 49.4





#42
2,4,6-Tribromophenol
Concen: 43.203 ng
RT: 10.716 min Scan# 1448
Delta R.T. 0.006 min
Lab File: BF143722.D
Acq: 11 Sep 2025 22:53

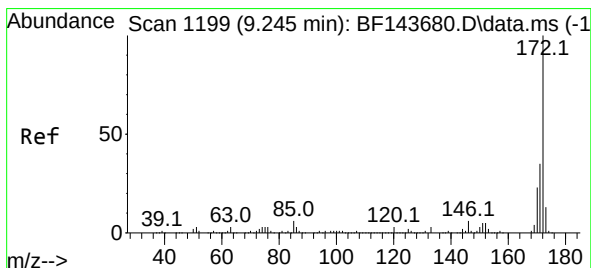
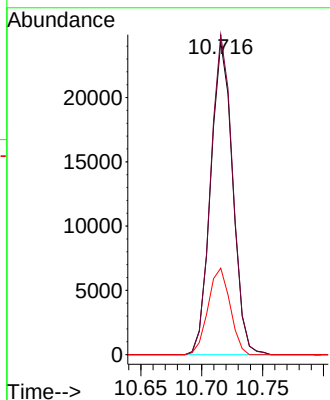
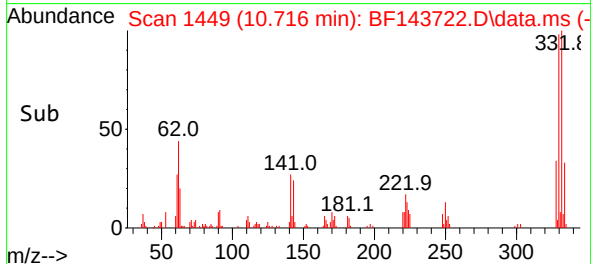
Instrument :
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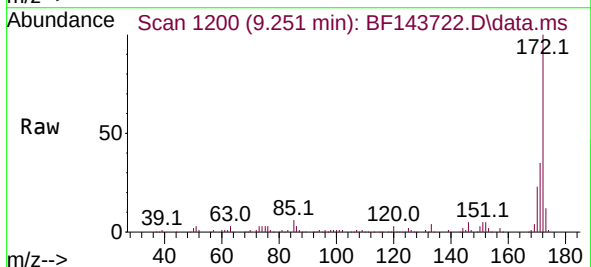
Tgt Ion: 330 Resp: 30496
Ion Ratio Lower Upper
330 100
332 102.0 79.2 118.8
141 27.7 22.2 33.4

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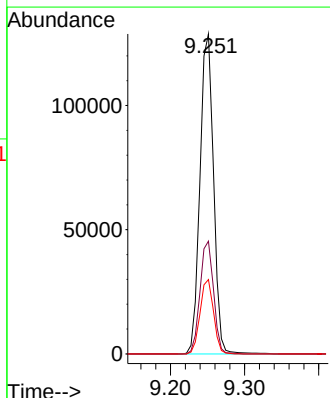
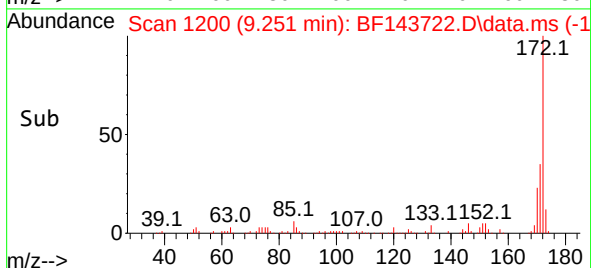
Reviewed By :Rahul Chavli 09/12/2025
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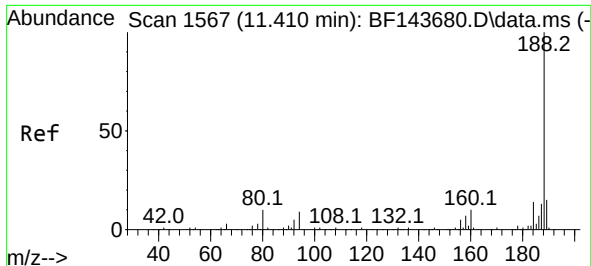


#45
2-Fluorobiphenyl
Concen: 35.297 ng
RT: 9.251 min Scan# 1200
Delta R.T. 0.006 min
Lab File: BF143722.D
Acq: 11 Sep 2025 22:53



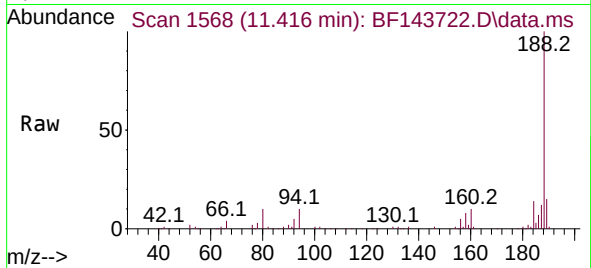
Tgt Ion: 172 Resp: 163661
Ion Ratio Lower Upper
172 100
171 35.2 27.9 41.9
170 23.2 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1567
Delta R.T. 0.006 min
Lab File: BF143722.D
Acq: 11 Sep 2025 22:53

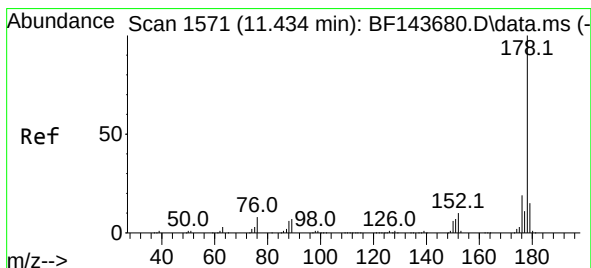
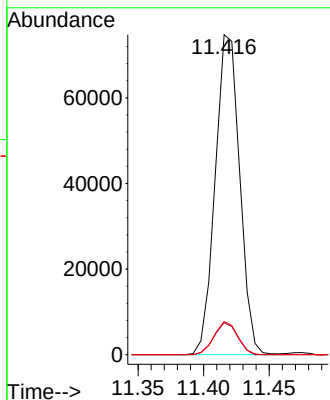
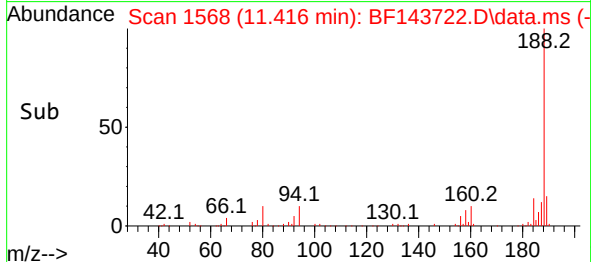
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30-GARFIELD-PL-COMP



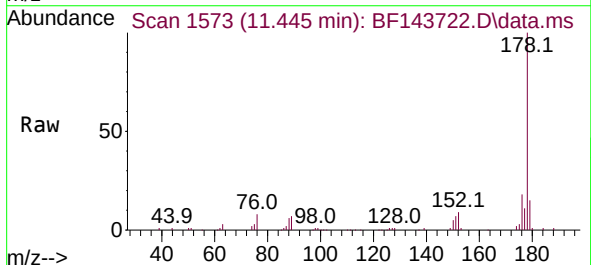
Tgt Ion:188 Resp: 97503
Ion Ratio Lower Upper
188 100
94 10.0 7.4 11.0
80 10.3 7.7 11.5

Manual Integrations
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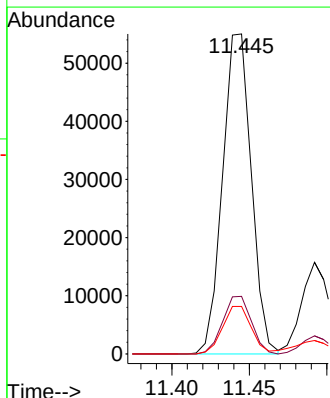
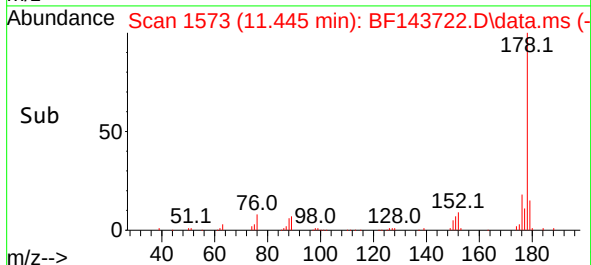
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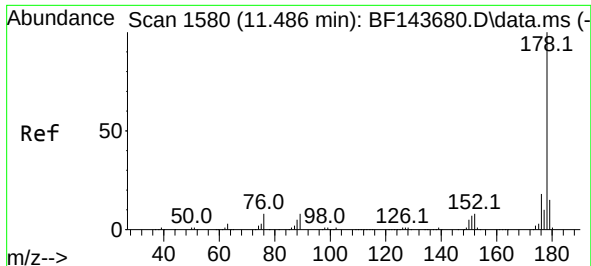


#71
Phenanthrene
Concen: 13.216 ng
RT: 11.445 min Scan# 1573
Delta R.T. 0.011 min
Lab File: BF143722.D
Acq: 11 Sep 2025 22:53



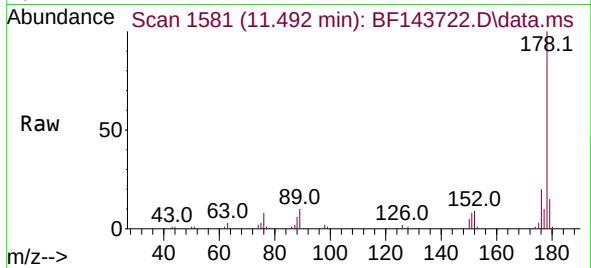
Tgt Ion:178 Resp: 70997
Ion Ratio Lower Upper
178 100
176 18.0 14.8 22.2
179 14.8 12.2 18.2





#72
 Anthracene
 Concen: 3.721 ng
 RT: 11.492 min Scan# 1148
 Delta R.T. 0.006 min
 Lab File: BF143722.D
 Acq: 11 Sep 2025 22:53

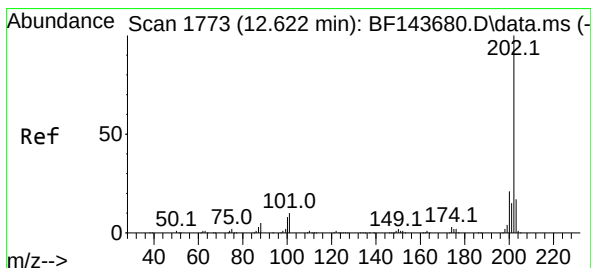
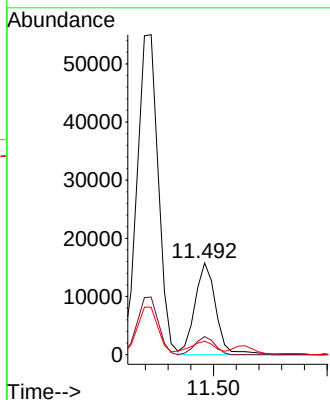
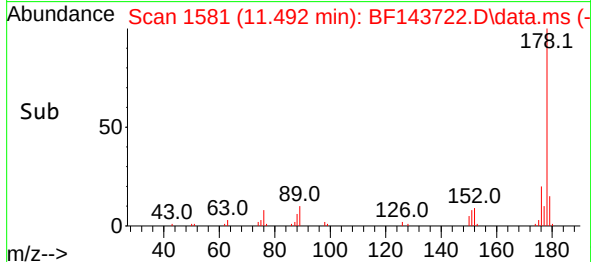
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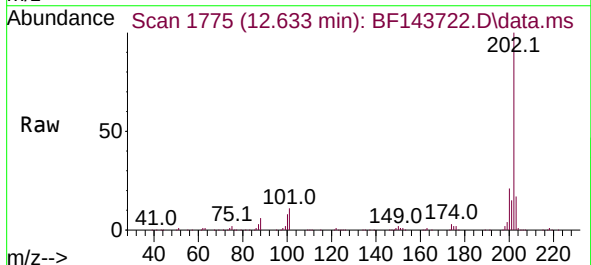
Tgt Ion:178 Resp: 20100
 Ion Ratio Lower Upper
 178 100
 176 19.7 14.5 21.7
 179 14.6 12.2 18.2

Manual Integrations
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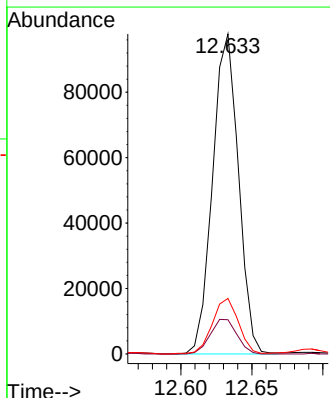
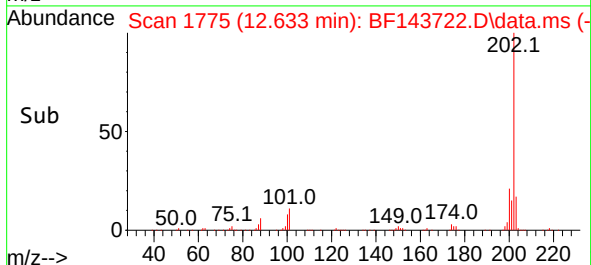
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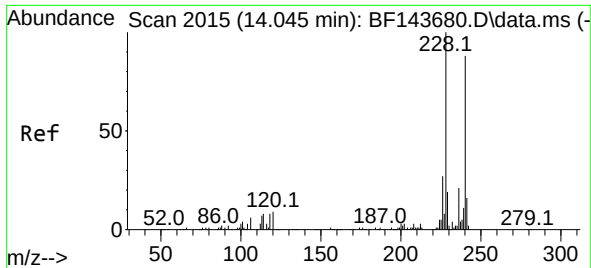


#75
 Fluoranthene
 Concen: 25.130 ng
 RT: 12.633 min Scan# 1775
 Delta R.T. 0.012 min
 Lab File: BF143722.D
 Acq: 11 Sep 2025 22:53



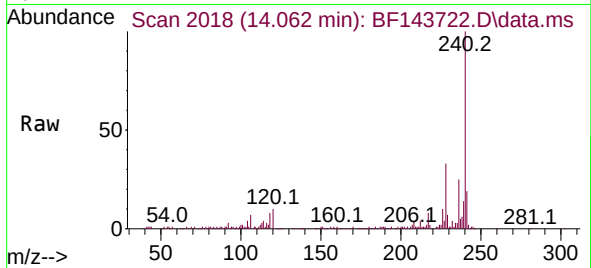
Tgt Ion:202 Resp: 123937
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 30.5
 203 17.3 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2015
Delta R.T. 0.017 min
Lab File: BF143722.D
Acq: 11 Sep 2025 22:53

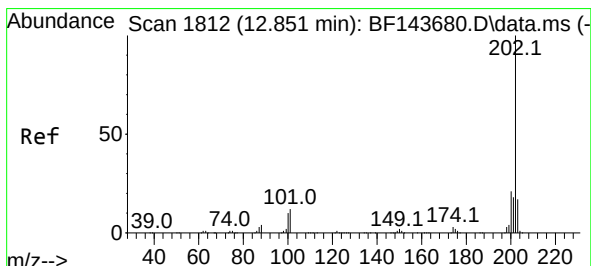
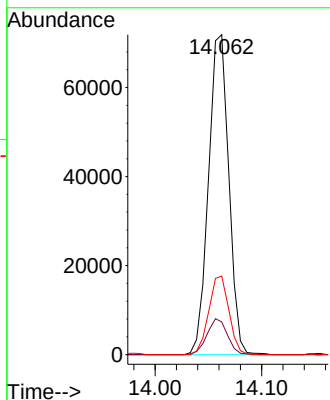
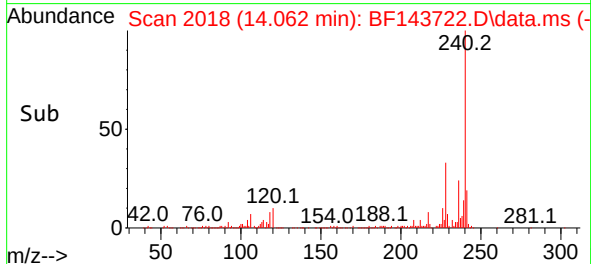
Instrument :
BNA_F
ClientSampleId :
30-GARFIELD-PL-COMP



Tgt Ion:240 Resp: 95211
Ion Ratio Lower Upper
240 100
120 10.2 8.4 12.6
236 24.5 18.6 28.0

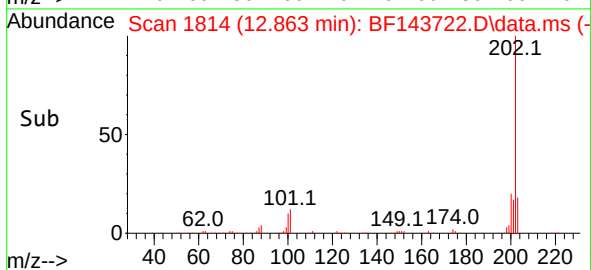
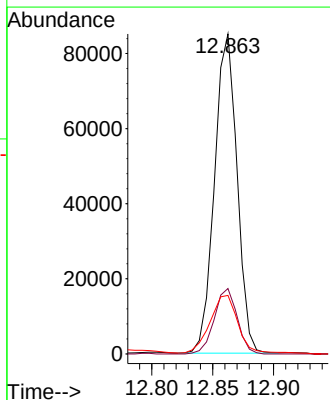
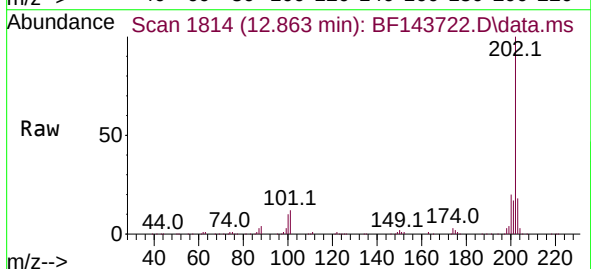
Manual Integrations
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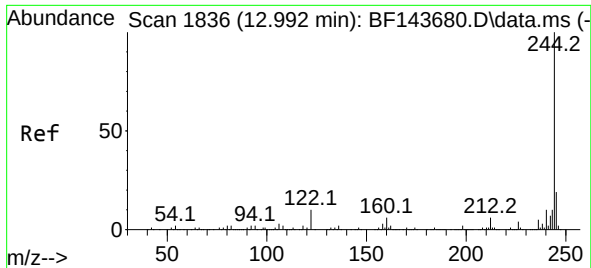
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025



#78
Pyrene
Concen: 14.431 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.012 min
Lab File: BF143722.D
Acq: 11 Sep 2025 22:53

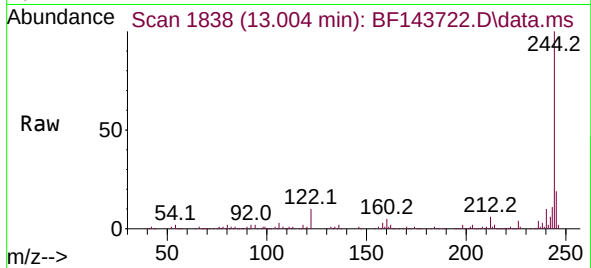
Tgt Ion:202 Resp: 109853
Ion Ratio Lower Upper
202 100
200 20.4 16.6 24.8
203 18.3 13.5 20.3





#79
 Terphenyl-d14
 Concen: 24.759 ng
 RT: 13.004 min Scan# 1838
 Delta R.T. 0.012 min
 Lab File: BF143722.D
 Acq: 11 Sep 2025 22:53

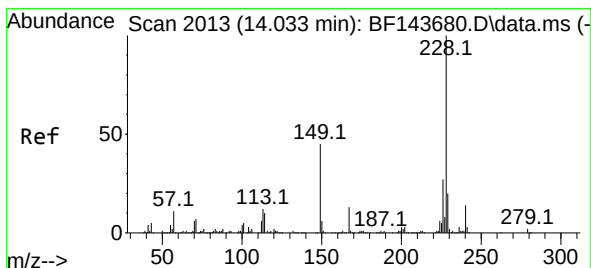
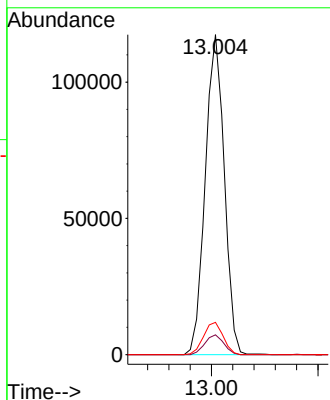
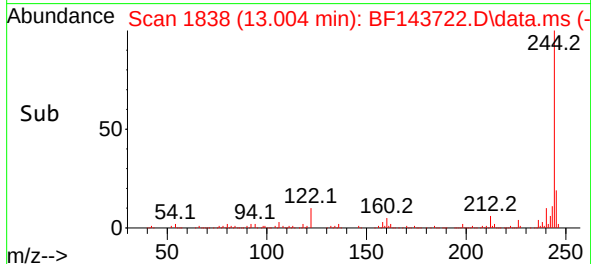
Instrument :
 BNA_F
 ClientSampleId :
 30-GARFIELD-PL-COMP



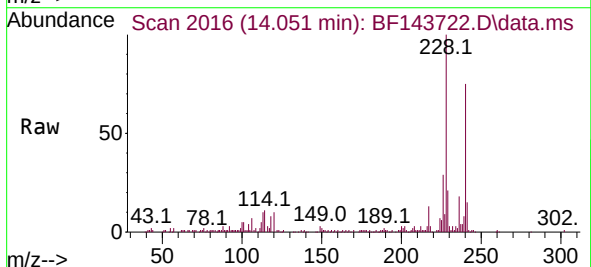
Tgt Ion:244 Resp: 145466
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.0 7.6
 122 10.1 7.9 11.9

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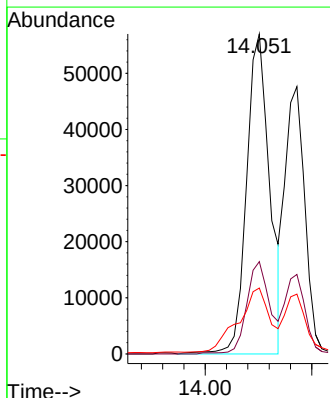
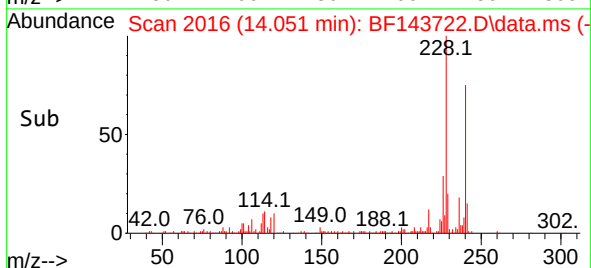
Reviewed By :Rahul Chavli 09/12/2025
 Supervised By :Jagrut Upadhyay 09/12/2025

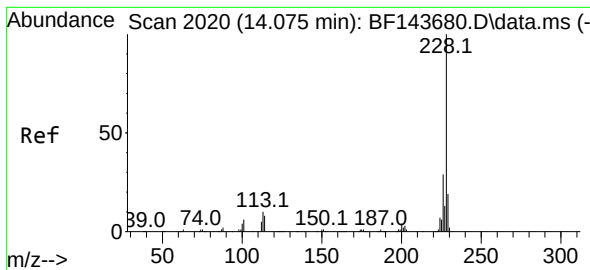


#81
 Benzo(a)anthracene
 Concen: 14.051 ng
 RT: 14.051 min Scan# 2016
 Delta R.T. 0.017 min
 Lab File: BF143722.D
 Acq: 11 Sep 2025 22:53



Tgt Ion:228 Resp: 86065
 Ion Ratio Lower Upper
 228 100
 226 28.8 21.6 32.4
 229 20.6 15.7 23.5





#83

Chrysene

Concen: 10.845 ng

RT: 14.086 min Scan# 2020

Delta R.T. 0.012 min

Lab File: BF143722.D

Acq: 11 Sep 2025 22:53

Instrument :

BNA_F

ClientSampleId :

30-GARFIELD-PL-COMP

Tgt Ion:228 Resp: 60840

Ion Ratio Lower Upper

228 100

226 29.7 22.7 34.1

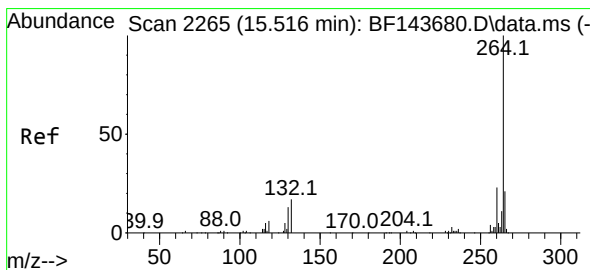
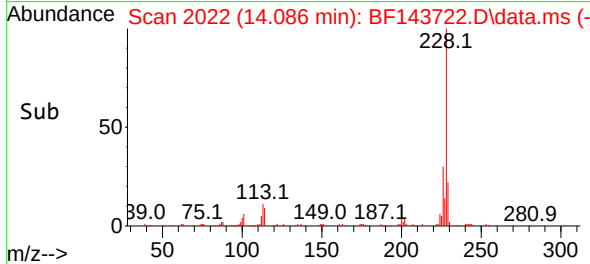
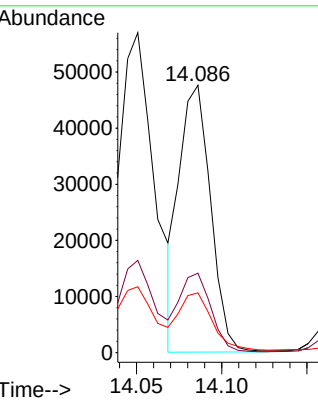
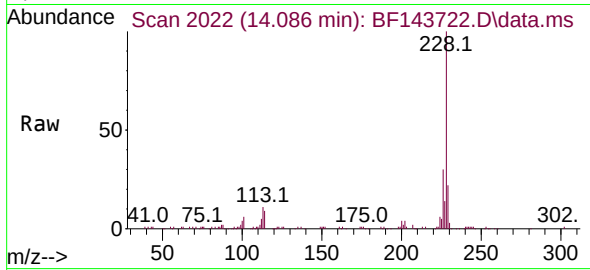
229 22.4 15.1 22.7

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Reviewed By :Rahul Chavli 09/12/2025

Supervised By :Jagrut Upadhyay 09/12/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2269

Delta R.T. 0.023 min

Lab File: BF143722.D

Acq: 11 Sep 2025 22:53

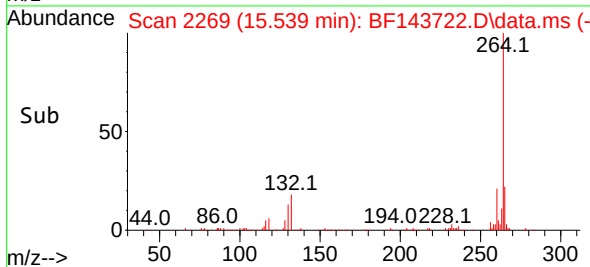
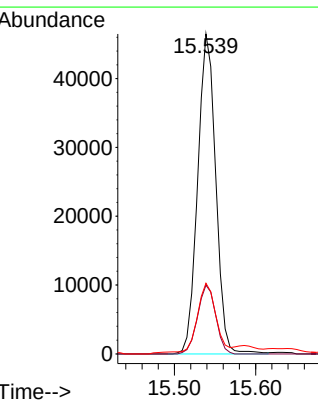
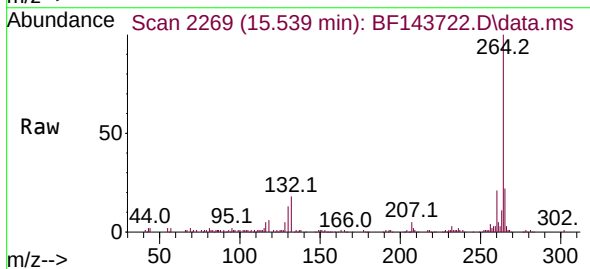
Tgt Ion:264 Resp: 72028

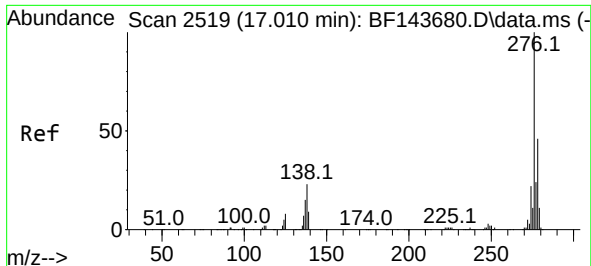
Ion Ratio Lower Upper

264 100

260 21.5 18.4 27.6

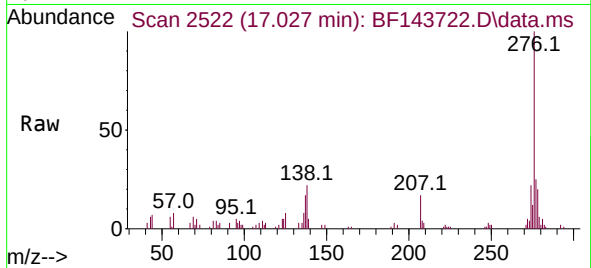
265 22.1 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.333 ng
RT: 17.027 min Scan# 2195
Delta R.T. 0.017 min
Lab File: BF143722.D
Acq: 11 Sep 2025 22:53

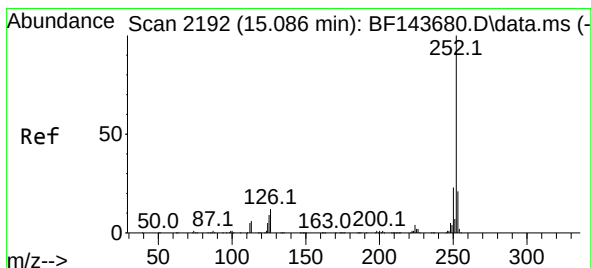
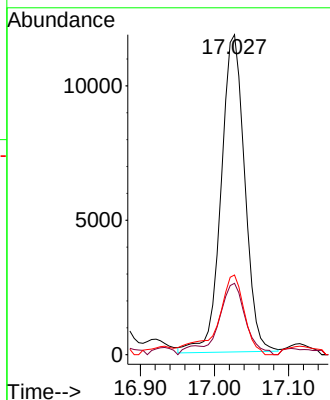
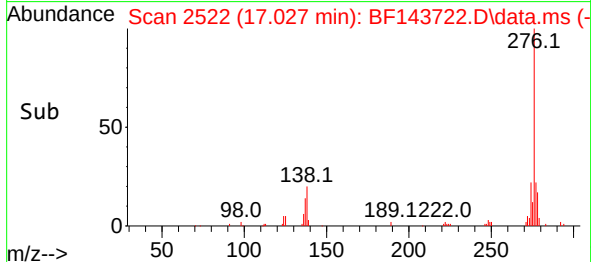
Instrument :
BNA_F
ClientSampleId :
30-GARFIELD-PL-COMP



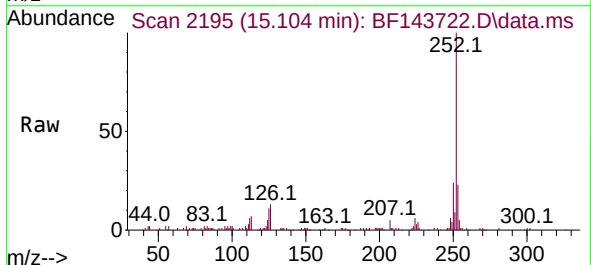
Tgt Ion: 276 Resp: 2621
Ion Ratio Lower Upper
276 100
138 23.6 19.7 29.5
277 28.8 20.2 30.2

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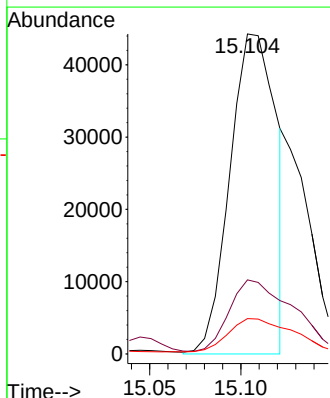
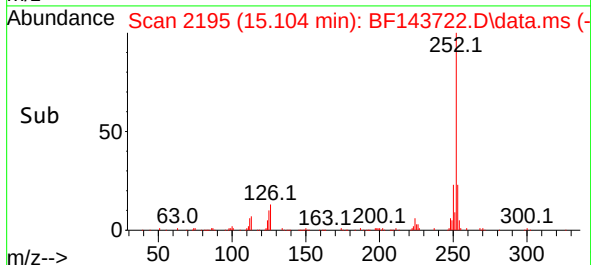
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025

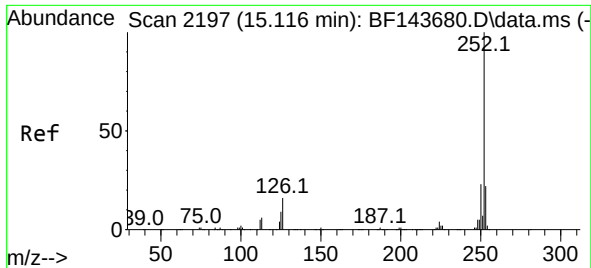


#88
Benzo(b)fluoranthene
Concen: 18.266 ng m
RT: 15.104 min Scan# 2195
Delta R.T. 0.017 min
Lab File: BF143722.D
Acq: 11 Sep 2025 22:53



Tgt Ion: 252 Resp: 78317
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.4
125 11.0 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 7.379 ng m

RT: 15.121 min Scan# 2197

Delta R.T. 0.006 min

Lab File: BF143722.D

Acq: 11 Sep 2025 22:53

Instrument :

BNA_F

ClientSampleId :

30-GARFIELD-PL-COMP

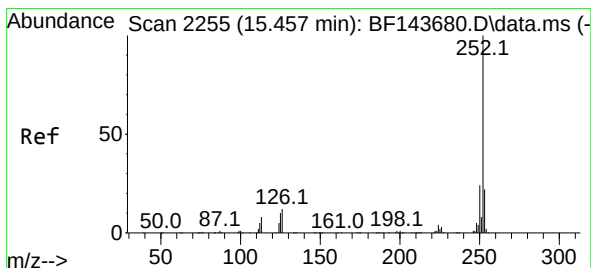
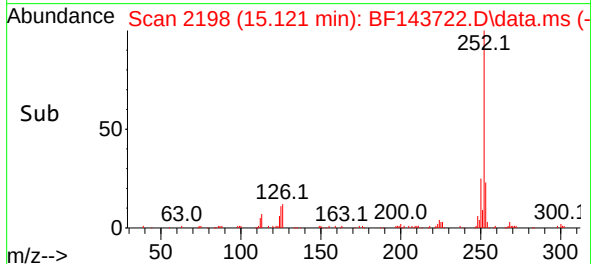
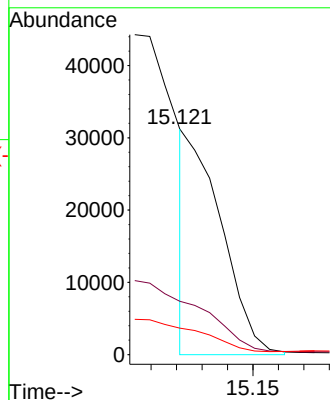
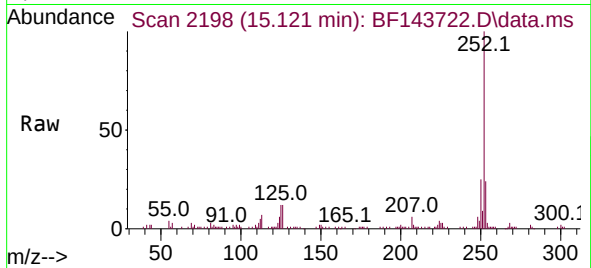
Tgt Ion:	252	Resp:	28554
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.3	25.9
125	11.7	7.3	10.9

Manual Integrations

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Reviewed By :Rahul Chavli 09/12/2025

Supervised By :Jagrut Upadhyay 09/12/2025



#90

Benzo(a)pyrene

Concen: 14.121 ng

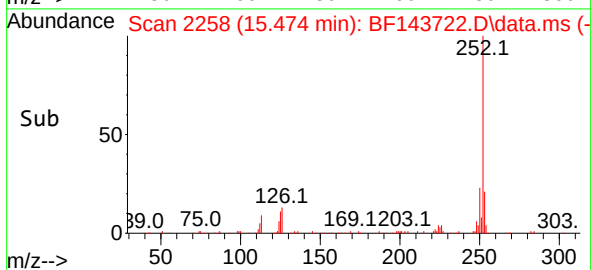
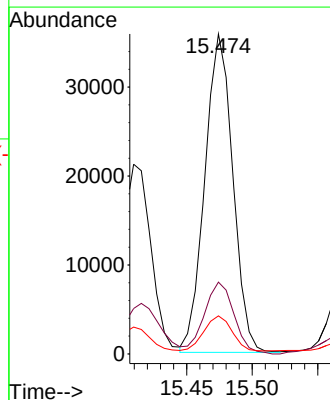
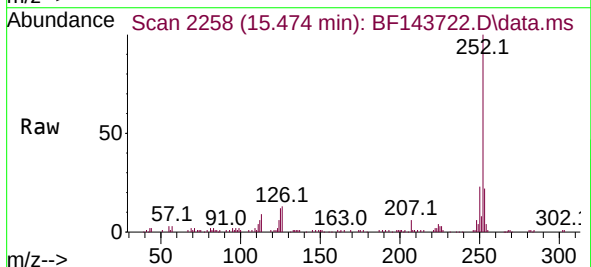
RT: 15.474 min Scan# 2258

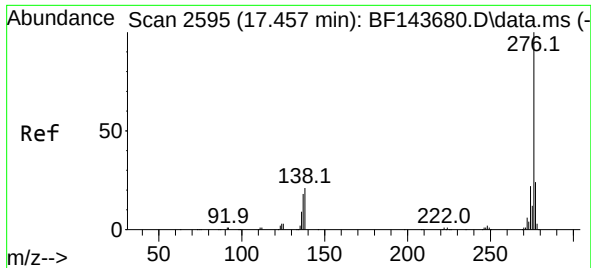
Delta R.T. 0.017 min

Lab File: BF143722.D

Acq: 11 Sep 2025 22:53

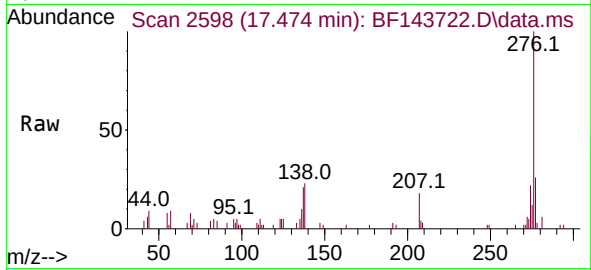
Tgt Ion:	252	Resp:	53192
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.4	26.0
125	11.9	8.2	12.4





#92
 Benzo(g,h,i)perylene
 Concen: 6.159 ng
 RT: 17.474 min Scan# 21
 Delta R.T. 0.017 min
 Lab File: BF143722.D
 Acq: 11 Sep 2025 22:53

Instrument :
 BNA_F
 ClientSampleId :
 30-GARFIELD-PL-COMP



Tgt Ion: 276 Resp: 23495
 Ion Ratio Lower Upper
 276 100
 277 26.4 19.2 28.8
 138 22.7 17.0 25.4

Manual Integrations
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Reviewed By :Rahul Chavli 09/12/2025
 Supervised By :Jagrut Upadhyay 09/12/2025

