

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091225\
 Data File : BF143731.D
 Acq On : 12 Sep 2025 14:13
 Operator : RC/JU
 Sample : Q3075-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0260

Manual Integrations
 APPROVED

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

Quant Time: Sep 12 14:36:08 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	36183	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	129945	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	62719	20.000	ng	0.01
64) Phenanthrene-d10	11.445	188	83456	20.000	ng	# 0.04
76) Chrysene-d12	14.092	240	91353	20.000	ng	# 0.05
86) Perylene-d12	15.569	264	108928	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	117884	55.586	ng	0.00
7) Phenol-d6	6.510	99	142204	55.070	ng	0.00
23) Nitrobenzene-d5	7.451	82	85011	40.692	ng	0.00
42) 2,4,6-Tribromophenol	10.734	330	34010	53.808	ng	0.02
45) 2-Fluorobiphenyl	9.251	172	183671	44.238	ng	0.00
79) Terphenyl-d14	13.039	244	166841	29.596	ng	0.05
Target Compounds						Qvalue
49) Acenaphthylene	9.798	152	21311	4.203	ng	# 62
71) Phenanthrene	11.469	178	78583	17.090	ng	# 61
72) Anthracene	11.522	178	21077	4.559	ng	# 26
75) Fluoranthene	12.680	202	344321	81.568	ng	95
78) Pyrene	12.910	202	331424	45.375	ng	# 95
81) Benzo(a)anthracene	14.080	228	234797	39.951	ng	92
83) Chrysene	14.116	228	292132	54.273	ng	95
87) Indeno(1,2,3-cd)pyrene	17.057	276	144483	19.435	ng	95
88) Benzo(b)fluoranthene	15.145	252	686044m	105.801	ng	
89) Benzo(k)fluoranthene	15.157	252	202812m	34.656	ng	
90) Benzo(a)pyrene	15.510	252	260976m	45.812	ng	
91) Dibenzo(a,h)anthracene	17.068	278	35394	5.739	ng	94
92) Benzo(g,h,i)perylene	17.510	276	109719	19.018	ng	97

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

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TIC: BF143731.D\data.ms

Abundance

Time-->

2-Fluorophenol, S

Phenol-d6, S

1,4-Dichlorobenzene-d4, I

Nitrobenzene-d5, S

Naphthalene-d8, I

2-Fluorobiphenyl, S

Acenaphthylene

Acenaphthene-d10, I

2,4,6-Tribromophenol, S

Anthracene

Fluoranthene

Fluoranthene-C

Pyrene

Terphenyl-d14, S

Chrysene

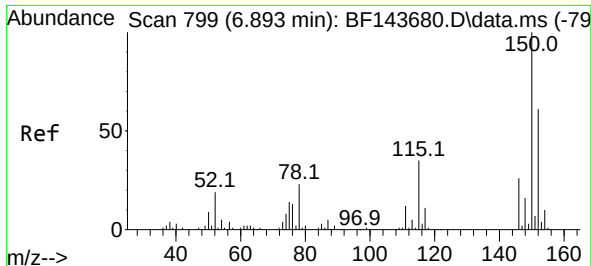
Benzo(k)fluoranthene

Benzo(a)pyrene

Perylene-d12, S

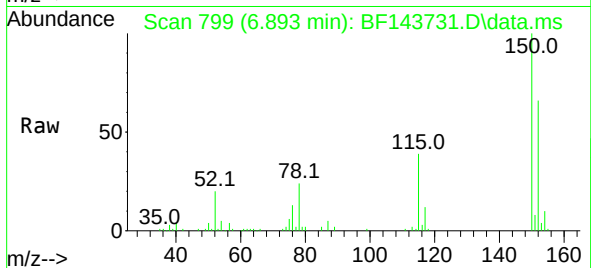
Dibenzo(a,h)anthracene

Benzo(g,h,i)perylene



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 799
Delta R.T. -0.000 min
Lab File: BF143731.D
Acq: 12 Sep 2025 14:13

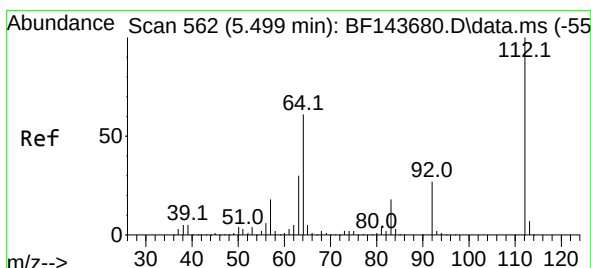
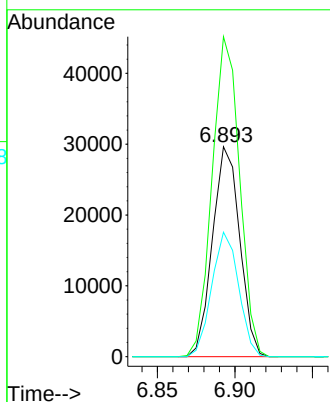
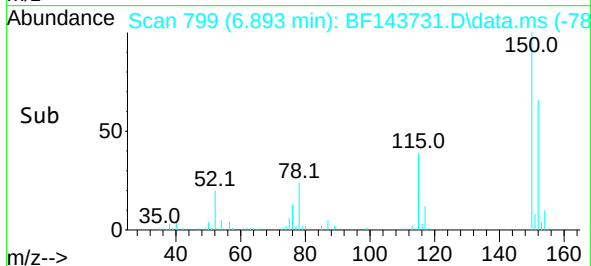
Instrument :
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MOO-25-0260



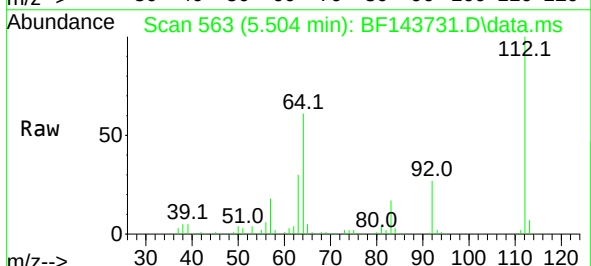
Tgt Ion:152 Resp: 3618
Ion Ratio Lower Upper
152 100
150 152.4 130.7 196.1
115 59.3 45.9 68.9

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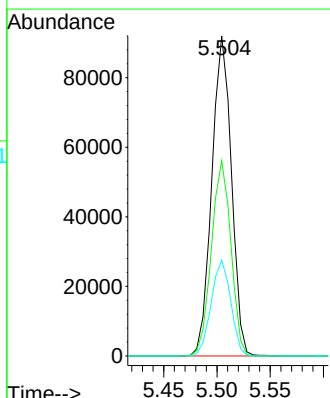
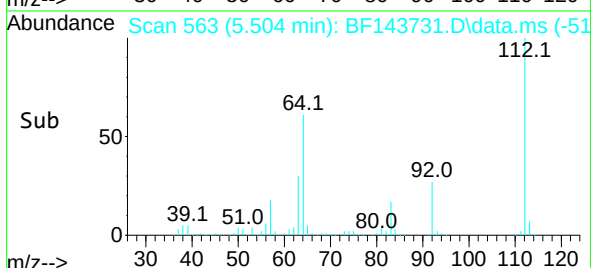
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025

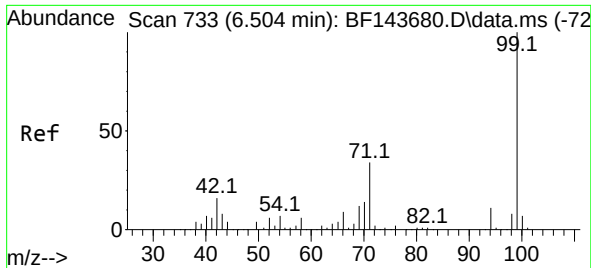


#5
2-Fluorophenol
Concen: 55.586 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF143731.D
Acq: 12 Sep 2025 14:13



Tgt Ion:112 Resp: 117884
Ion Ratio Lower Upper
112 100
64 61.0 49.0 73.4
63 29.9 24.3 36.5





#7

Phenol-d6

Concen: 55.070 ng

RT: 6.510 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF143731.D

Acq: 12 Sep 2025 14:13

Instrument :

BNA_F

ClientSampleId :

MOO-25-0260

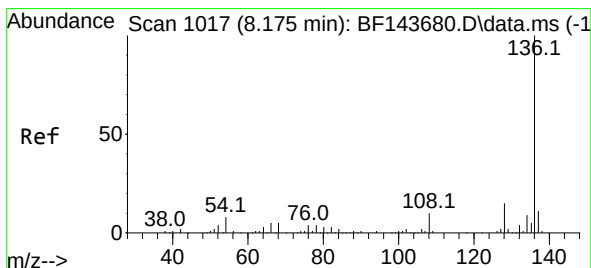
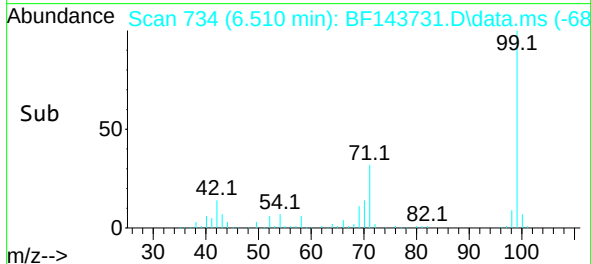
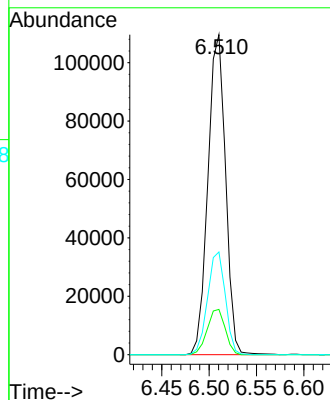
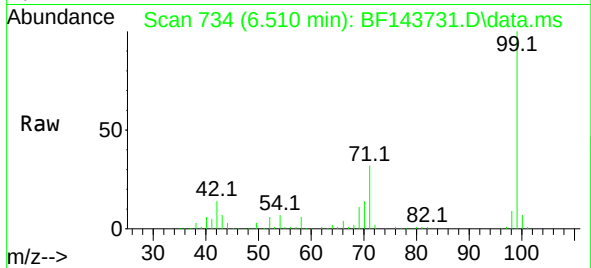
Tgt Ion:	99	Resp:	142204
Ion	Ratio	Lower	Upper
99	100		
42	14.2	13.0	19.4
71	32.1	27.4	41.2

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#21

Naphthalene-d8

Concen: 20.000 ng

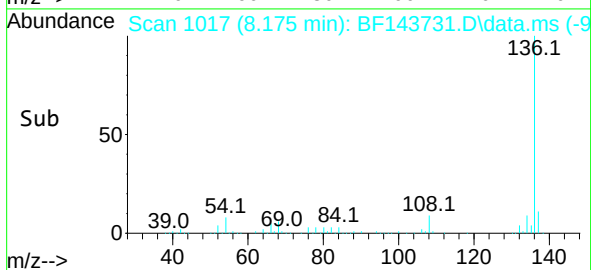
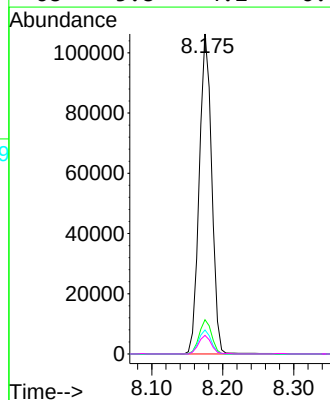
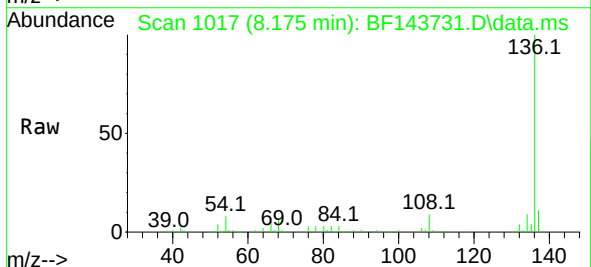
RT: 8.175 min Scan# 1017

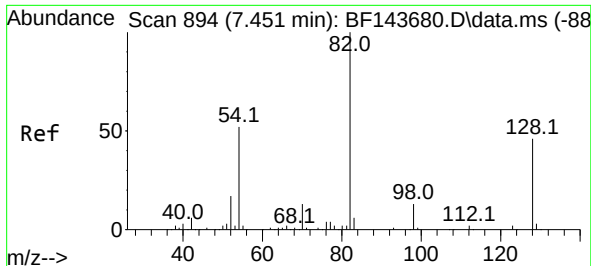
Delta R.T. -0.000 min

Lab File: BF143731.D

Acq: 12 Sep 2025 14:13

Tgt Ion:	136	Resp:	129945
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	7.5	6.2	9.2
68	5.8	4.2	6.4





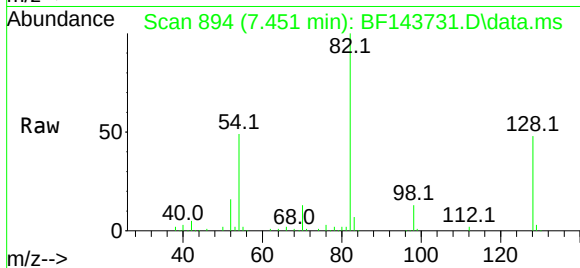
#23
Nitrobenzene-d5
Concen: 40.692 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.000 min
Lab File: BF143731.D
Acq: 12 Sep 2025 14:13

Instrument :

BNA_F

ClientSampleId :

MOO-25-0260

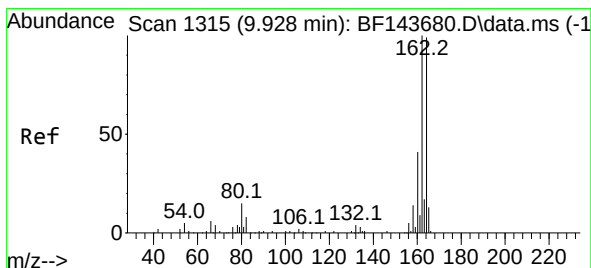
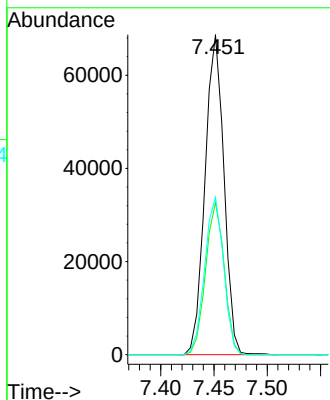
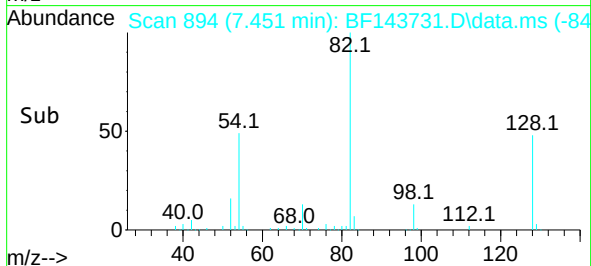


Tgt Ion: 82 Resp: 8501
Ion Ratio Lower Upper
82 100
128 47.6 37.0 55.4
54 49.2 41.8 62.8

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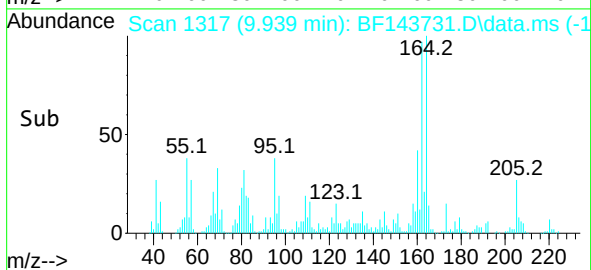
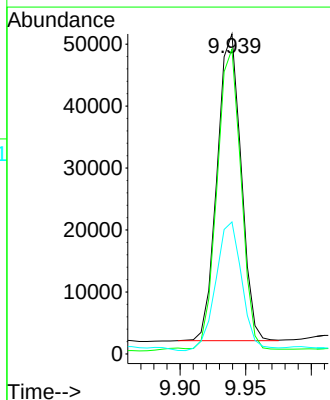
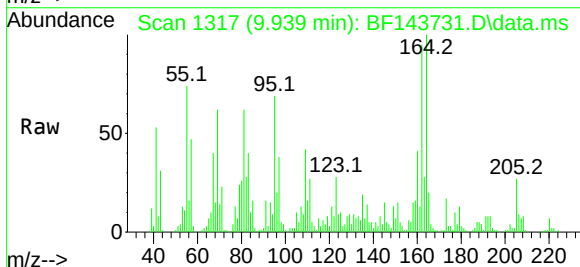
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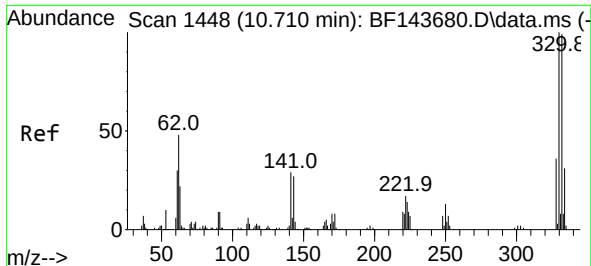
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.012 min
Lab File: BF143731.D
Acq: 12 Sep 2025 14:13

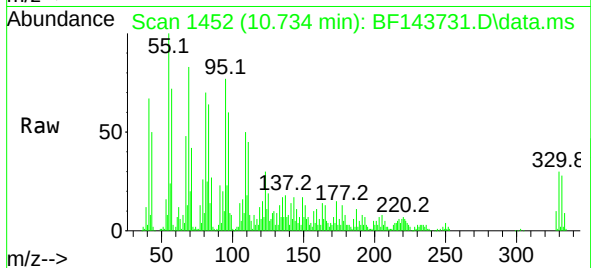
Tgt Ion:164 Resp: 62719
Ion Ratio Lower Upper
164 100
162 95.3 80.6 121.0
160 41.3 33.0 49.4





#42
2,4,6-Tribromophenol
Concen: 53.808 ng
RT: 10.734 min Scan# 1448
Delta R.T. 0.024 min
Lab File: BF143731.D
Acq: 12 Sep 2025 14:13

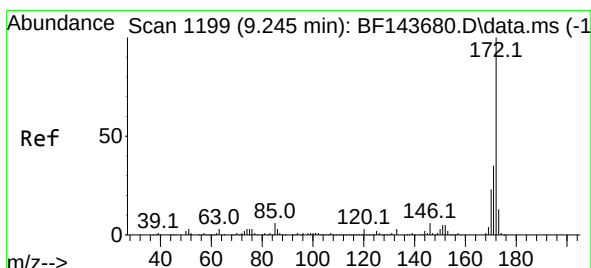
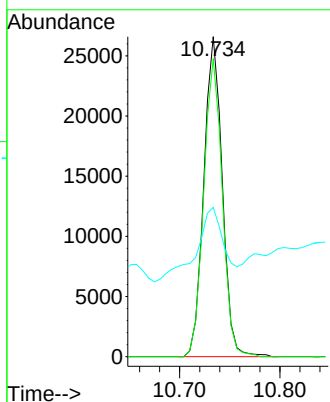
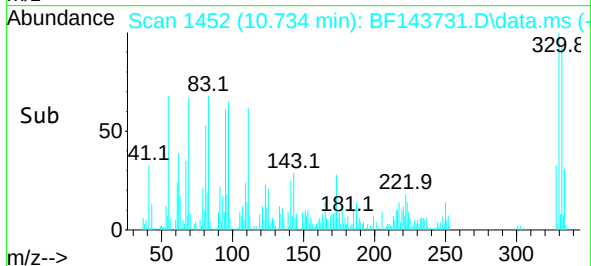
Instrument :
BNA_F
ClientSampleId :
MOO-25-0260



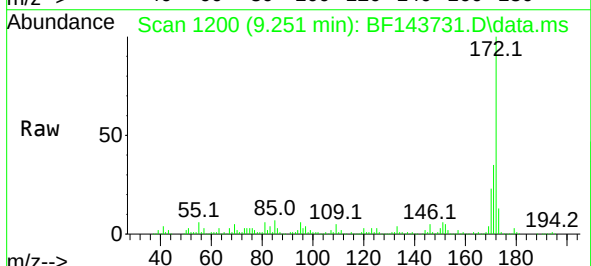
Tgt Ion: 330 Resp: 34010
Ion Ratio Lower Upper
330 100
332 93.6 79.2 118.8
141 35.1 22.2 33.4

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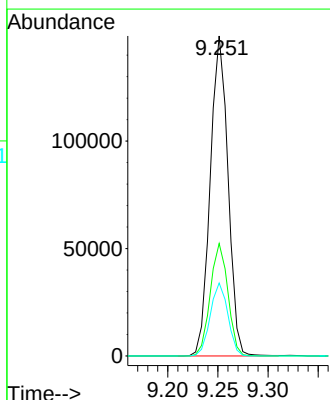
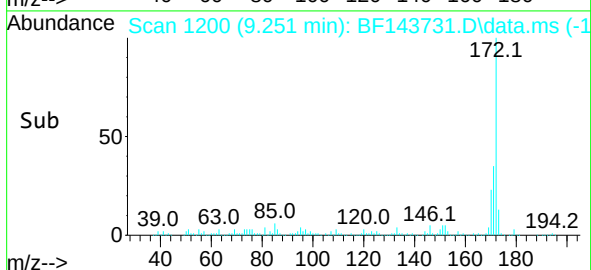
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025

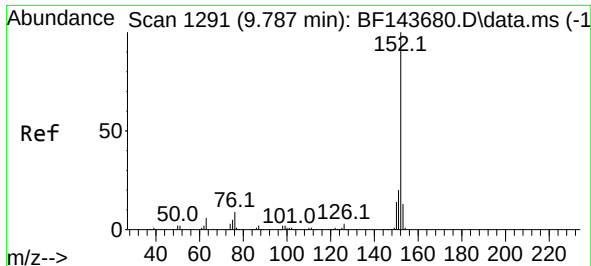


#45
2-Fluorobiphenyl
Concen: 44.238 ng
RT: 9.251 min Scan# 1200
Delta R.T. 0.006 min
Lab File: BF143731.D
Acq: 12 Sep 2025 14:13



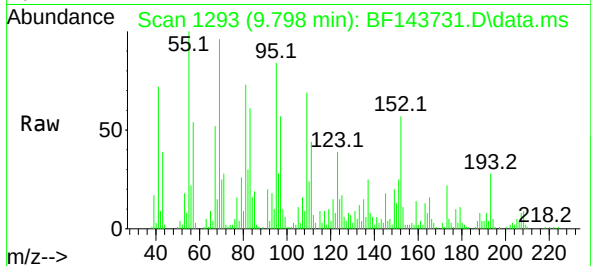
Tgt Ion: 172 Resp: 183671
Ion Ratio Lower Upper
172 100
171 35.2 27.9 41.9
170 22.8 18.6 27.8





#49
Acenaphthylene
Concen: 4.203 ng
RT: 9.798 min Scan# 1573
Delta R.T. 0.012 min
Lab File: BF143731.D
Acq: 12 Sep 2025 14:13

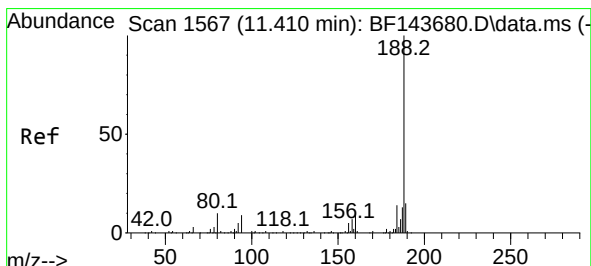
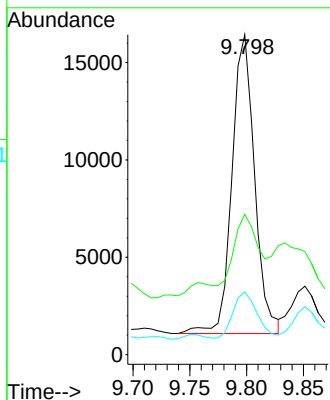
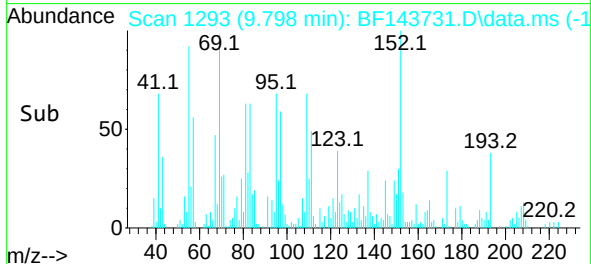
Instrument :
BNA_F
ClientSampleId :
MOO-25-0260



Tgt Ion:152 Resp: 2131
Ion Ratio Lower Upper
152 100
151 43.8 15.9 23.9
153 19.6 10.4 15.6

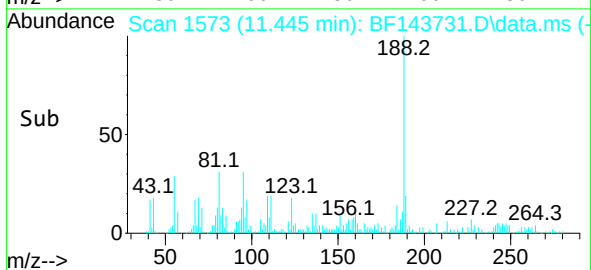
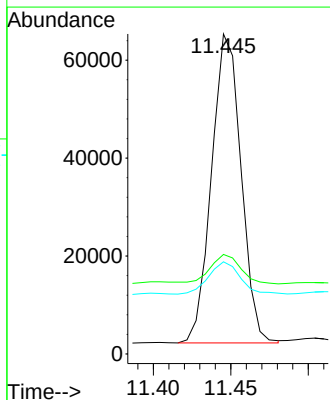
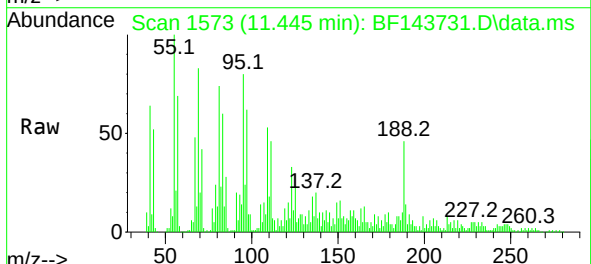
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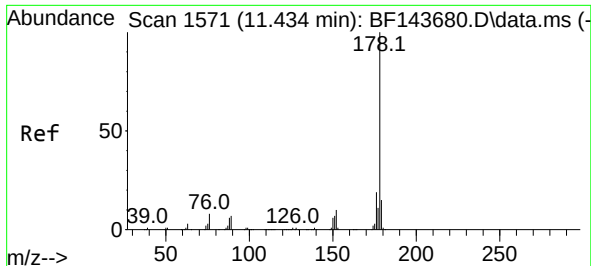
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1573
Delta R.T. 0.035 min
Lab File: BF143731.D
Acq: 12 Sep 2025 14:13

Tgt Ion:188 Resp: 83456
Ion Ratio Lower Upper
188 100
94 31.1 7.4 11.0#
80 28.8 7.7 11.5#





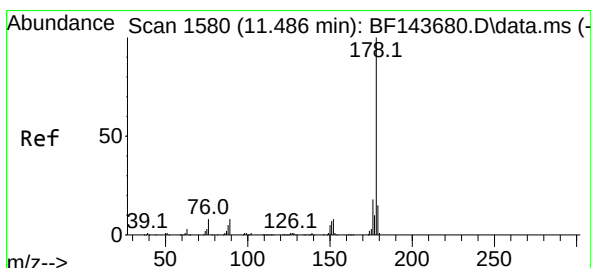
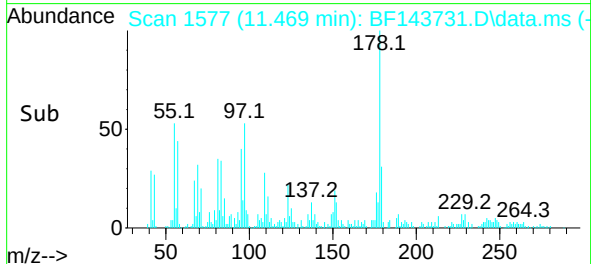
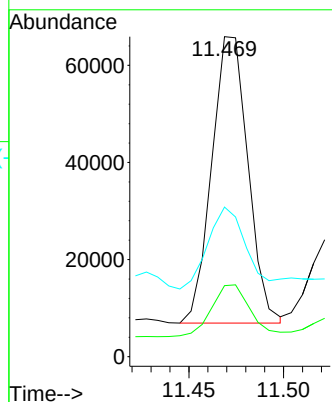
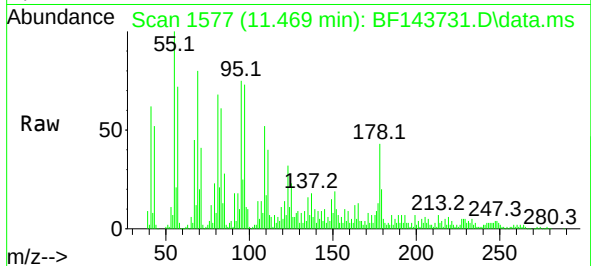
#71
Phenanthrene
Concen: 17.090 ng
RT: 11.469 min Scan# 1577
Delta R.T. 0.035 min
Lab File: BF143731.D
Acq: 12 Sep 2025 14:13

Instrument :
BNA_F
ClientSampleId :
MOO-25-0260

Tgt Ion:178 Resp: 7858
Ion Ratio Lower Upper
178 100
176 22.2 14.8 22.2
179 46.8 12.2 18.2

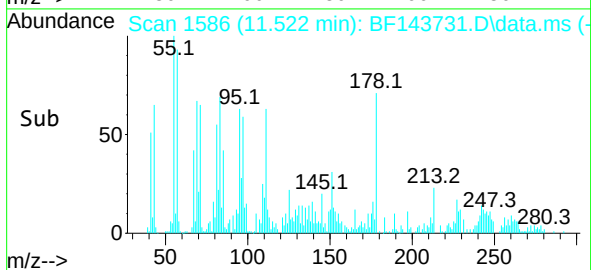
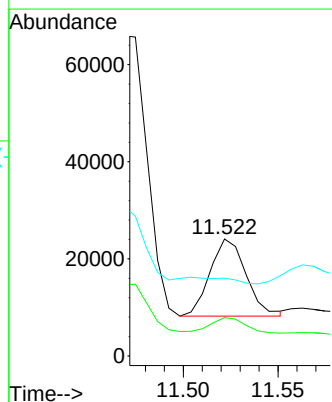
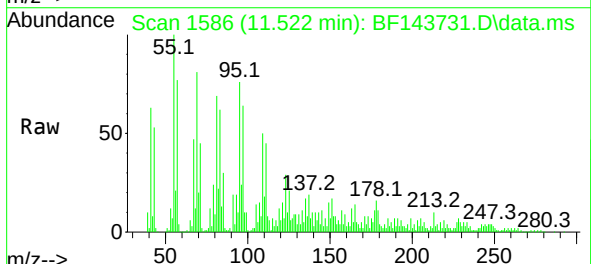
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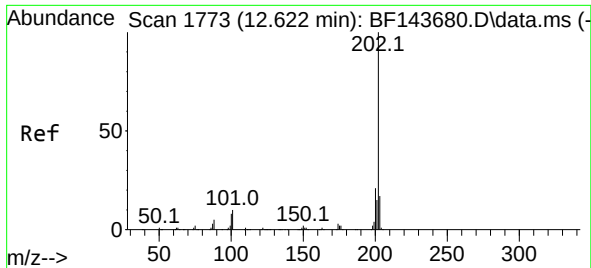
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025



#72
Anthracene
Concen: 4.559 ng
RT: 11.522 min Scan# 1586
Delta R.T. 0.035 min
Lab File: BF143731.D
Acq: 12 Sep 2025 14:13

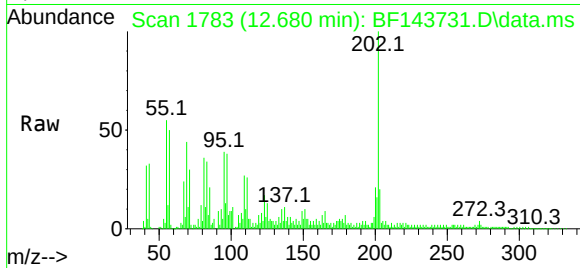
Tgt Ion:178 Resp: 21077
Ion Ratio Lower Upper
178 100
176 32.8 14.5 21.7#
179 66.6 12.2 18.2#





#75
Fluoranthene
Concen: 81.568 ng
RT: 12.680 min Scan# 11
Delta R.T. 0.059 min
Lab File: BF143731.D
Acq: 12 Sep 2025 14:13

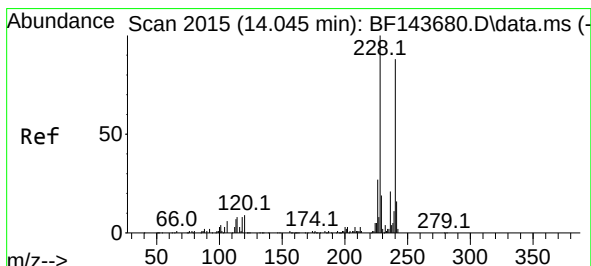
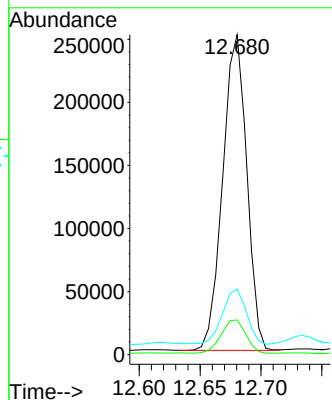
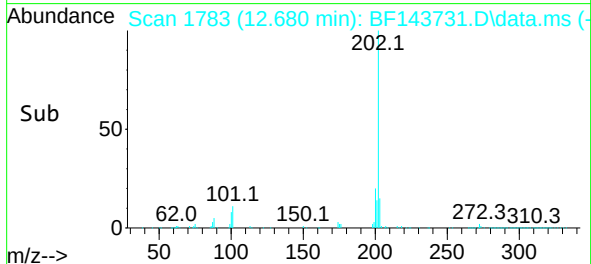
Instrument :
BNA_F
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MOO-25-0260



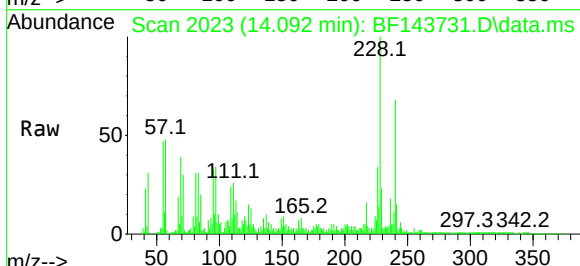
Tgt Ion:202 Resp: 34432
Ion Ratio Lower Upper
202 100
101 10.9 0.0 30.5
203 20.5 0.0 37.1

Manual Integrations
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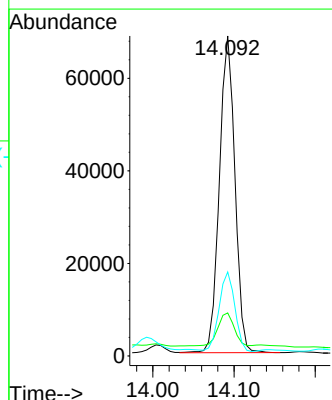
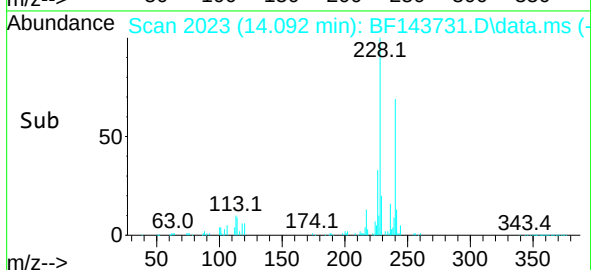
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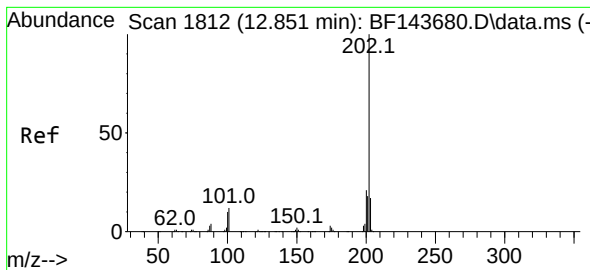


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.047 min
Lab File: BF143731.D
Acq: 12 Sep 2025 14:13



Tgt Ion:240 Resp: 91353
Ion Ratio Lower Upper
240 100
120 13.5 8.4 12.6#
236 26.2 18.6 28.0





#78

Pyrene

Concen: 45.375 ng

RT: 12.910 min Scan# 1822

Delta R.T. 0.059 min

Lab File: BF143731.D

Acq: 12 Sep 2025 14:13

Instrument :

BNA_F

ClientSampleId :

MOO-25-0260

Tgt Ion:202 Resp: 331424

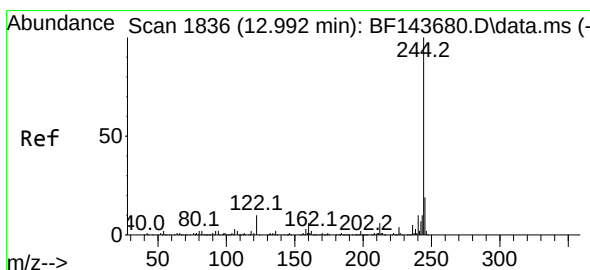
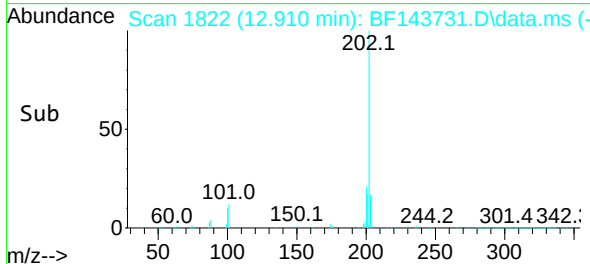
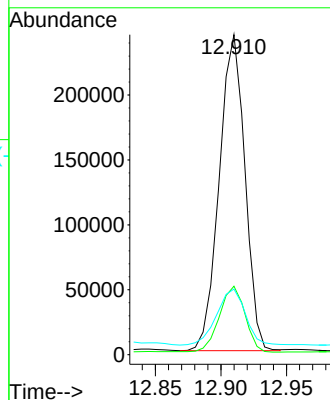
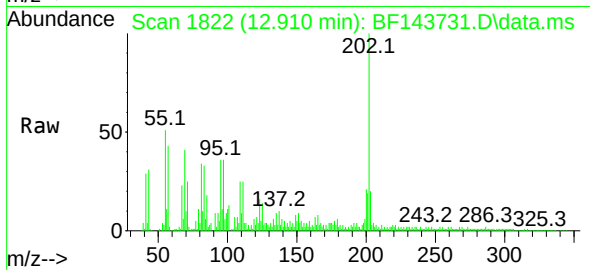
Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.6	24.8
203	20.5	13.5	20.3

Manual Integrations

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Reviewed By :Rahul Chavli 09/15/2025

Supervised By :Jagrut Upadhyay 09/15/2025



#79

Terphenyl-d14

Concen: 29.596 ng

RT: 13.039 min Scan# 1844

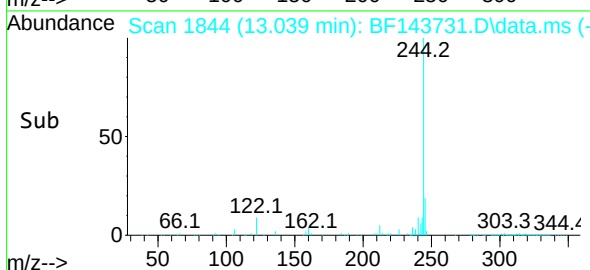
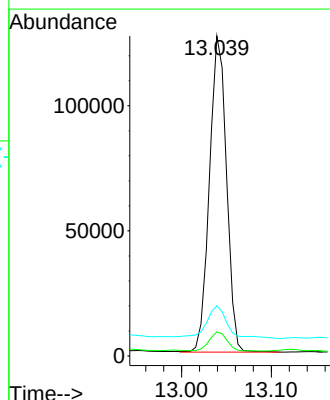
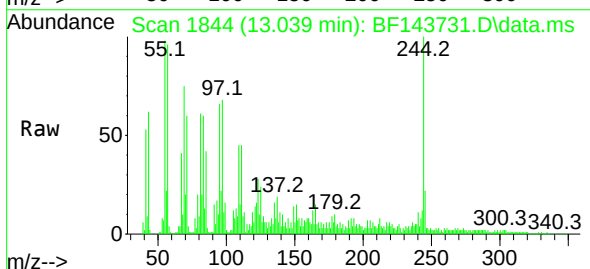
Delta R.T. 0.047 min

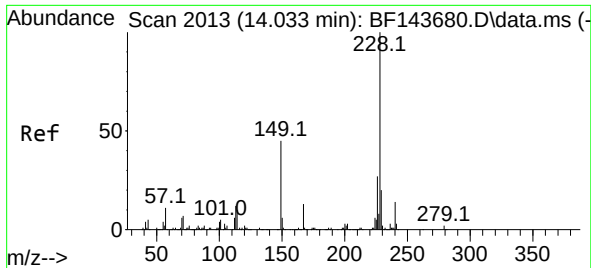
Lab File: BF143731.D

Acq: 12 Sep 2025 14:13

Tgt Ion:244 Resp: 166841

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.0	7.6
122	15.7	7.9	11.9





#81
Benzo(a)anthracene
Concen: 39.951 ng
RT: 14.080 min Scan# 2013
Delta R.T. 0.047 min
Lab File: BF143731.D
Acq: 12 Sep 2025 14:13

Instrument :

BNA_F

ClientSampleId :

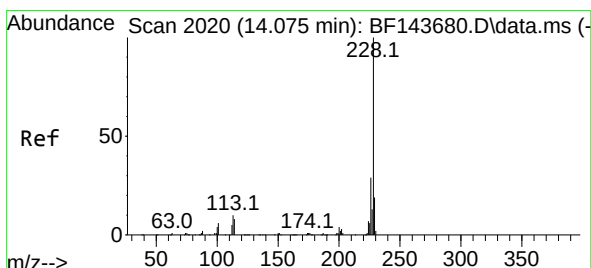
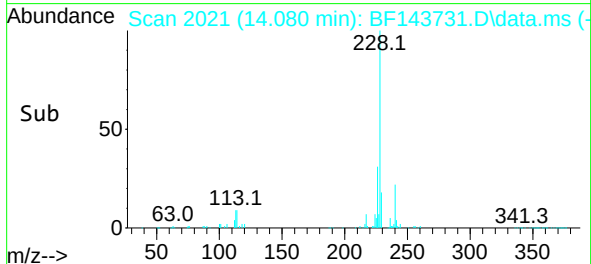
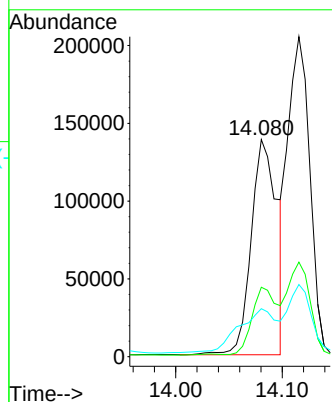
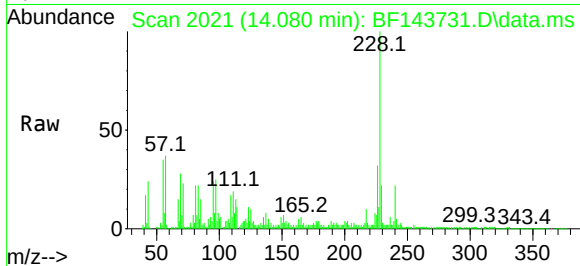
MOO-25-0260

Tgt Ion:228 Resp: 23479
Ion Ratio Lower Upper
228 100
226 32.0 21.6 32.4
229 22.1 15.7 23.5

Manual Integrations

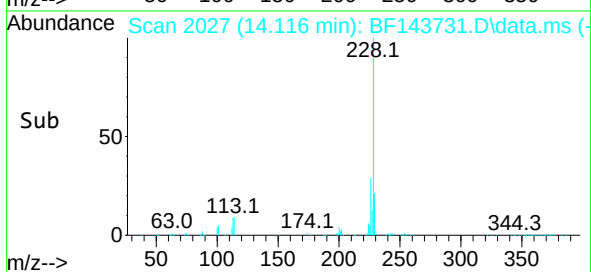
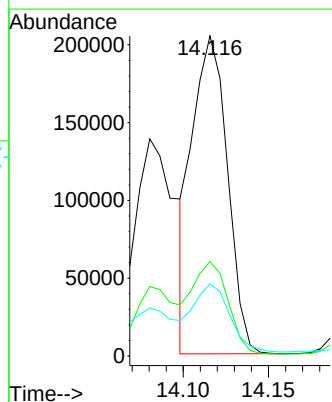
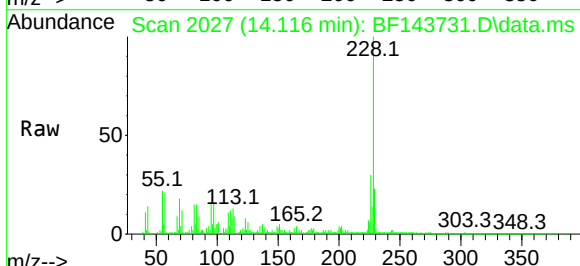
APPROVED

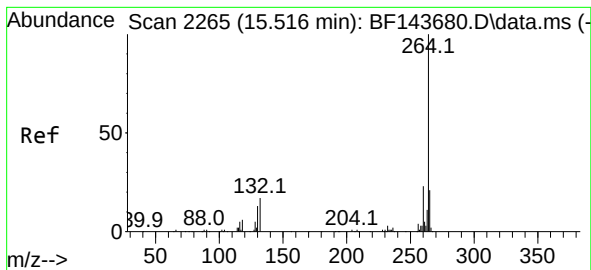
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025



#83
Chrysene
Concen: 54.273 ng
RT: 14.116 min Scan# 2027
Delta R.T. 0.041 min
Lab File: BF143731.D
Acq: 12 Sep 2025 14:13

Tgt Ion:228 Resp: 292132
Ion Ratio Lower Upper
228 100
226 29.6 22.7 34.1
229 22.6 15.1 22.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.569 min Scan# 21
Delta R.T. 0.053 min
Lab File: BF143731.D
Acq: 12 Sep 2025 14:13

Instrument :

BNA_F

ClientSampleId :

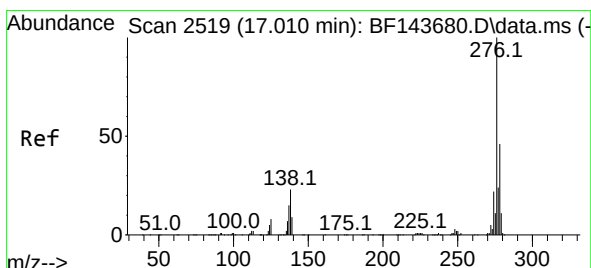
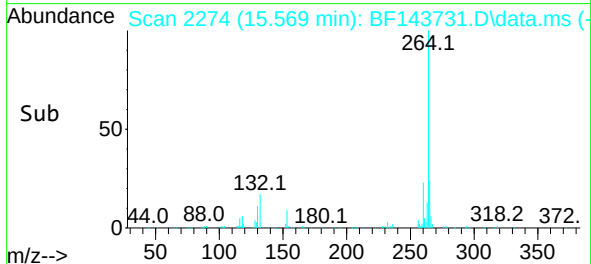
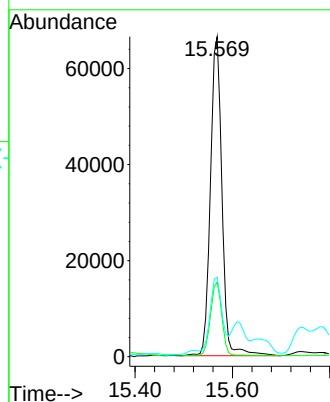
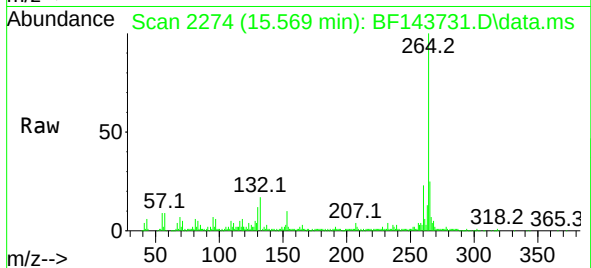
MOO-25-0260

Tgt Ion:264 Resp: 108928
Ion Ratio Lower Upper
264 100
260 23.3 18.4 27.6
265 24.8 17.1 25.7

Manual Integrations

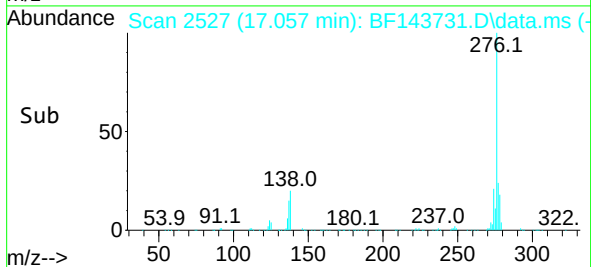
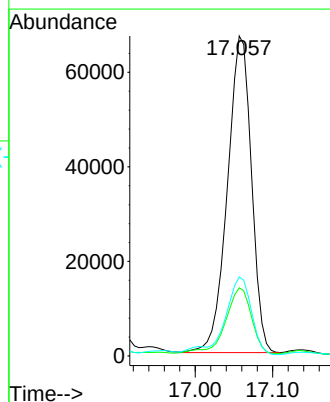
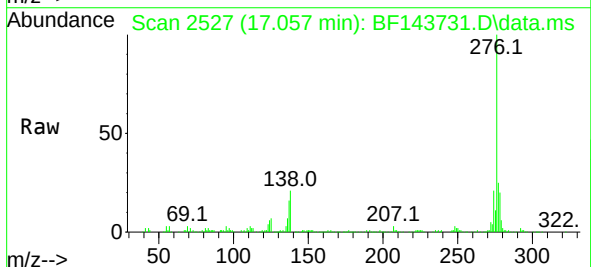
APPROVED

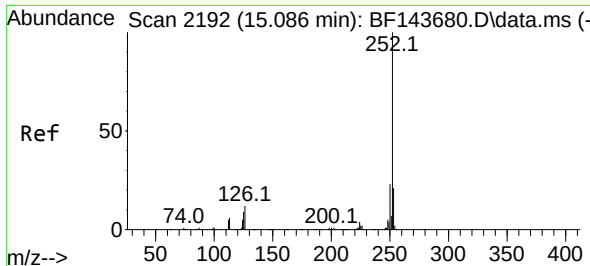
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 19.435 ng
RT: 17.057 min Scan# 2527
Delta R.T. 0.047 min
Lab File: BF143731.D
Acq: 12 Sep 2025 14:13

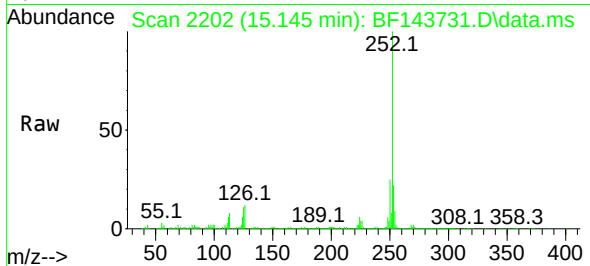
Tgt Ion:276 Resp: 144483
Ion Ratio Lower Upper
276 100
138 22.1 19.7 29.5
277 27.4 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 105.801 ng m
RT: 15.145 min Scan# 2192
Delta R.T. 0.059 min
Lab File: BF143731.D
Acq: 12 Sep 2025 14:13

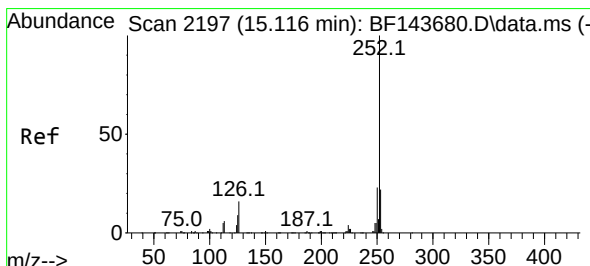
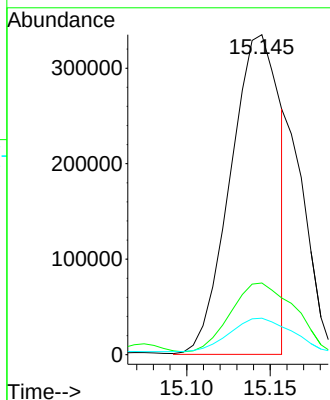
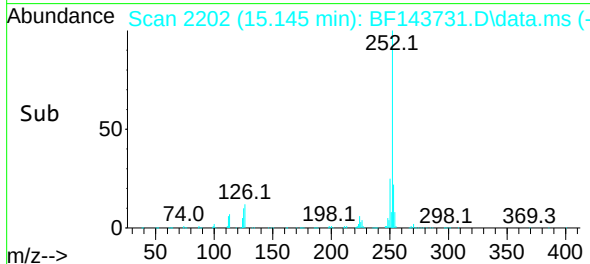
Instrument :
BNA_F
ClientSampleId :
MOO-25-0260



Tgt Ion:252 Resp: 686044
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.4
125 11.4 7.4 11.0

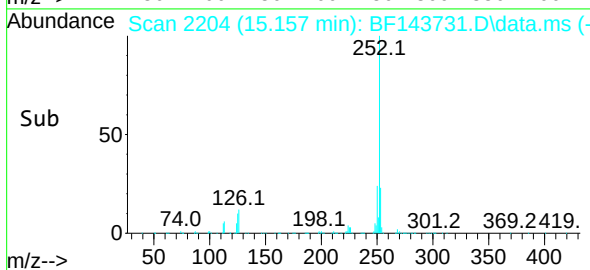
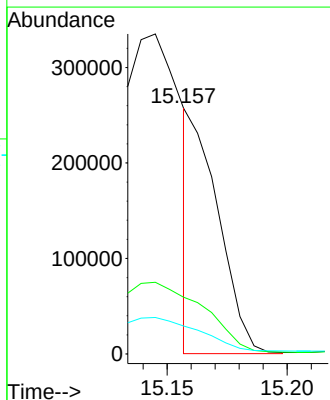
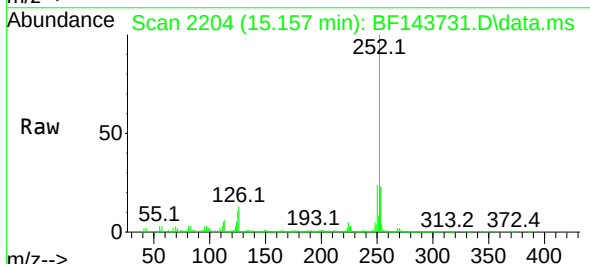
Manual Integrations
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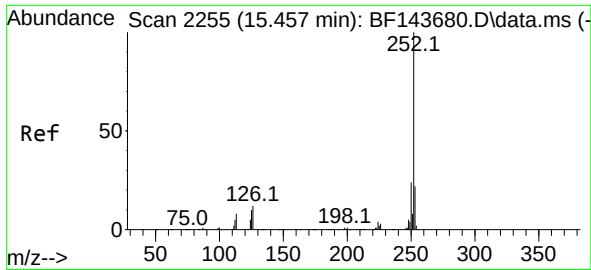
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025



#89
Benzo(k)fluoranthene
Concen: 34.656 ng m
RT: 15.157 min Scan# 2204
Delta R.T. 0.041 min
Lab File: BF143731.D
Acq: 12 Sep 2025 14:13

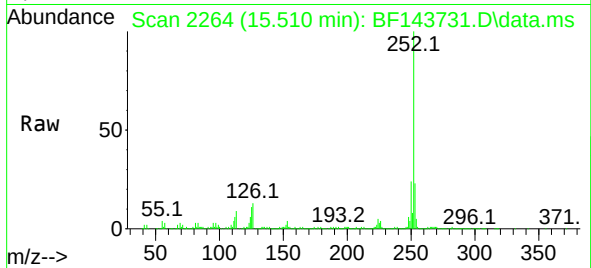
Tgt Ion:252 Resp: 202812
Ion Ratio Lower Upper
252 100
253 23.1 17.3 25.9
125 11.4 7.3 10.9





#90
Benzo(a)pyrene
Concen: 45.812 ng m
RT: 15.510 min Scan# 21
Delta R.T. 0.053 min
Lab File: BF143731.D
Acq: 12 Sep 2025 14:13

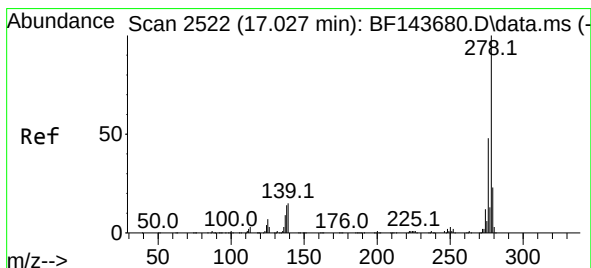
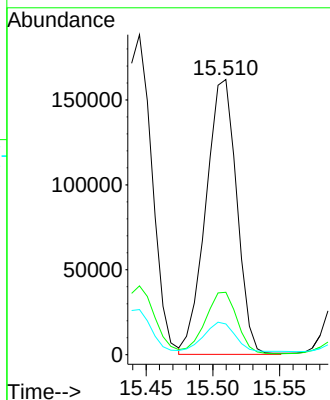
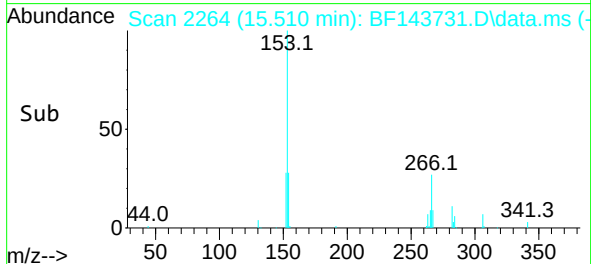
Instrument :
BNA_F
ClientSampleId :
MOO-25-0260



Tgt Ion:252 Resp: 260970
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 11.2 8.2 12.4

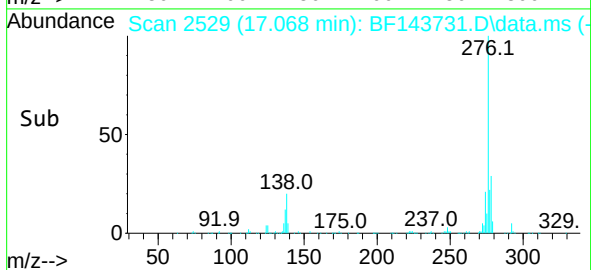
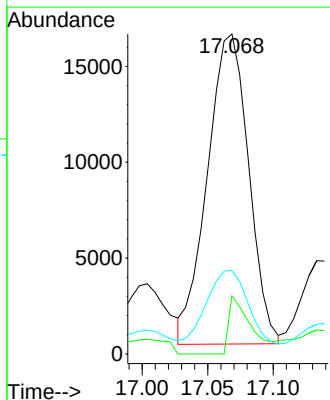
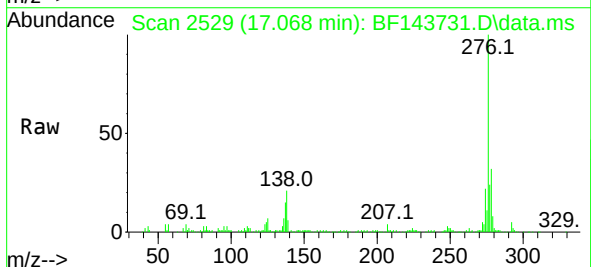
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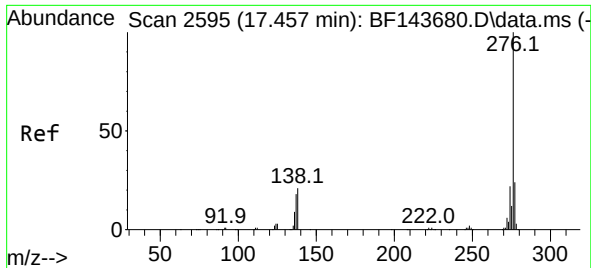
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025



#91
Dibenzo(a,h)anthracene
Concen: 5.739 ng
RT: 17.068 min Scan# 2529
Delta R.T. 0.041 min
Lab File: BF143731.D
Acq: 12 Sep 2025 14:13

Tgt Ion:278 Resp: 35394
Ion Ratio Lower Upper
278 100
139 18.1 12.2 18.4
279 26.1 18.7 28.1





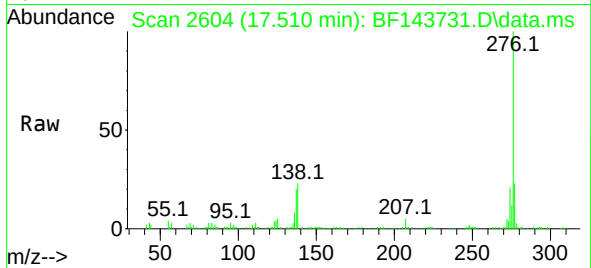
#92
 Benzo(g,h,i)perylene
 Concen: 19.018 ng
 RT: 17.510 min Scan# 20
 Delta R.T. 0.053 min
 Lab File: BF143731.D
 Acq: 12 Sep 2025 14:13

Instrument :

BNA_F

ClientSampleId :

MOO-25-0260



Tgt Ion:276 Resp: 109719
 Ion Ratio Lower Upper
 276 100
 277 23.4 19.2 28.8
 138 23.3 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/15/2025

Supervised By :Jagrut Upadhyay 09/15/2025

