

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091225\
 Data File : BF143743.D
 Acq On : 12 Sep 2025 20:06
 Operator : RC/JU
 Sample : Q3075-08DL 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0260DL

Manual Integrations
 APPROVED

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

Quant Time: Sep 12 23:46:39 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	31086	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	113411	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	55522	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	75662	20.000	ng	# 0.02
76) Chrysene-d12	14.074	240	77504	20.000	ng	0.03
86) Perylene-d12	15.551	264	77996	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	57053	31.313	ng	0.00
7) Phenol-d6	6.504	99	70311	31.693	ng	0.00
23) Nitrobenzene-d5	7.451	82	41465	22.742	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	15875	28.372	ng	0.02
45) 2-Fluorobiphenyl	9.251	172	90278	24.562	ng	0.00
79) Terphenyl-d14	13.022	244	80414	16.814	ng	0.03
Target Compounds						Qvalue
49) Acenaphthylene	9.792	152	10190	2.270	ng	# 64
71) Phenanthrene	11.457	178	40797	9.786	ng	# 62
72) Anthracene	11.510	178	12109	2.889	ng	# 28
75) Fluoranthene	12.657	202	174515	45.600	ng	95
78) Pyrene	12.886	202	166486	26.867	ng	97
81) Benzo(a)anthracene	14.063	228	106759	21.411	ng	92
83) Chrysene	14.098	228	139934	30.642	ng	97
87) Indeno(1,2,3-cd)pyrene	17.039	276	61215	11.500	ng	96
88) Benzo(b)fluoranthene	15.121	252	314911m	67.825	ng	
89) Benzo(k)fluoranthene	15.139	252	88548m	21.132	ng	
90) Benzo(a)pyrene	15.486	252	109573	26.863	ng	# 97
91) Dibenzo(a,h)anthracene	17.051	278	15473	3.504	ng	# 88
92) Benzo(g,h,i)perylene	17.492	276	50134	12.136	ng	99

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

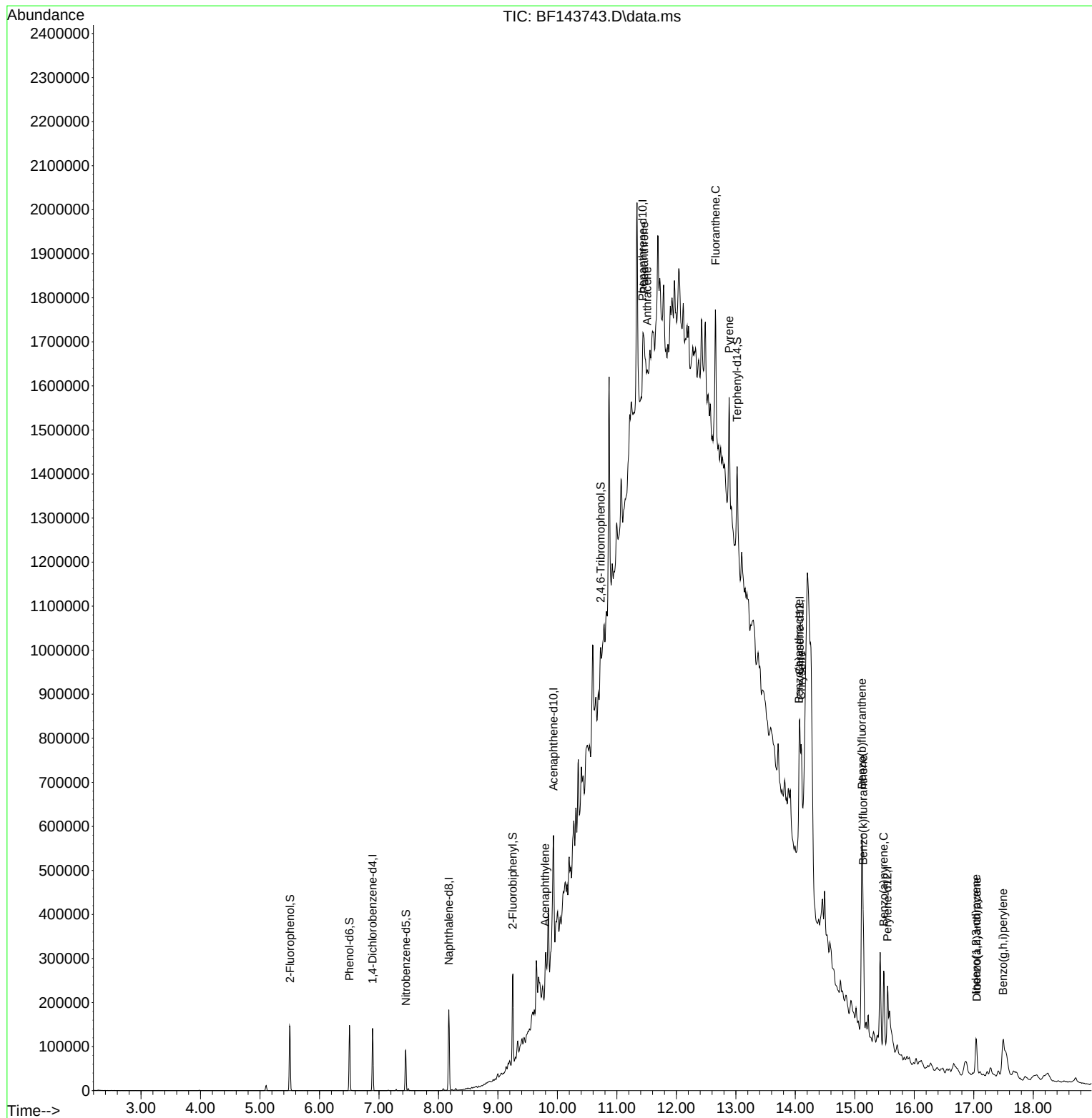
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091225\
Data File : BF143743.D
Acq On : 12 Sep 2025 20:06
Operator : RC/JU
Sample : Q3075-08DL 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

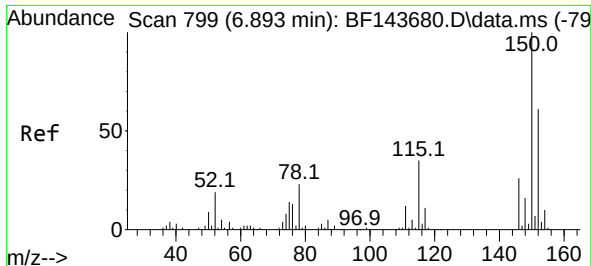
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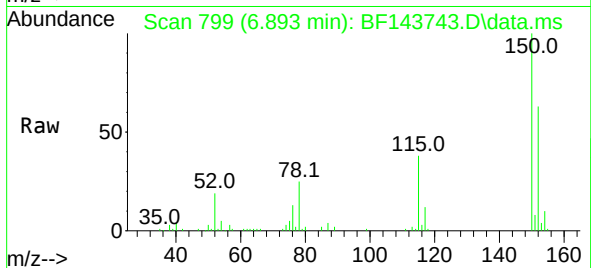
Quant Time: Sep 12 23:46:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 09 15:20:16 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 799
Delta R.T. -0.000 min
Lab File: BF143743.D
Acq: 12 Sep 2025 20:06

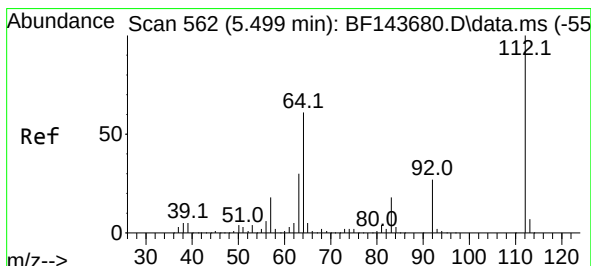
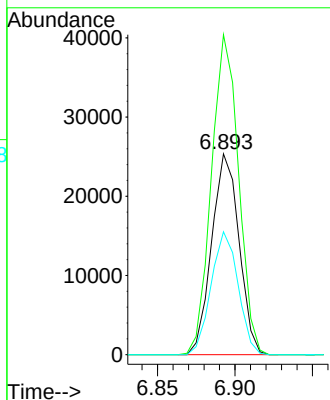
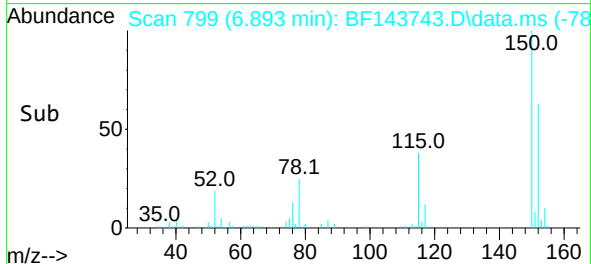
Instrument :
BNA_F
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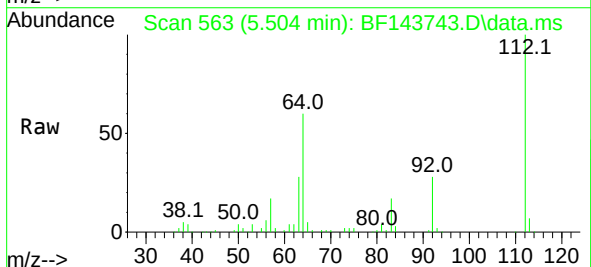
Tgt Ion:152 Resp: 31080
Ion Ratio Lower Upper
152 100
150 159.4 130.7 196.1
115 61.2 45.9 68.9

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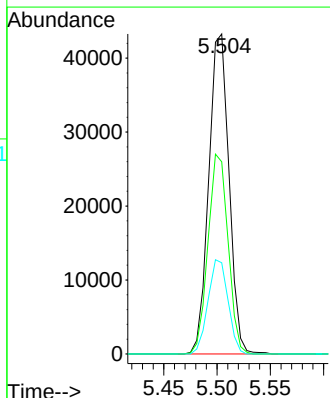
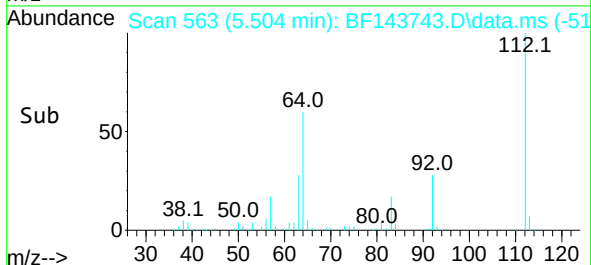
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025

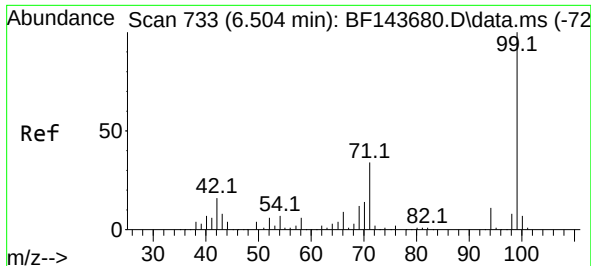


#5
2-Fluorophenol
Concen: 31.313 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF143743.D
Acq: 12 Sep 2025 20:06



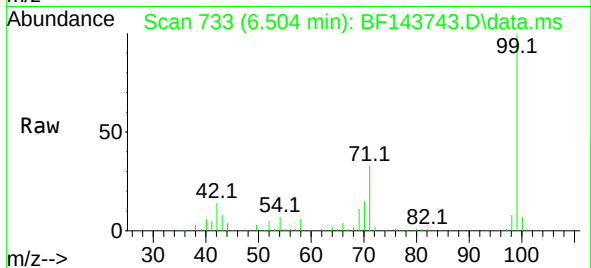
Tgt Ion:112 Resp: 57053
Ion Ratio Lower Upper
112 100
64 60.1 49.0 73.4
63 28.5 24.3 36.5





#7
Phenol-d6
Concen: 31.693 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF143743.D
Acq: 12 Sep 2025 20:06

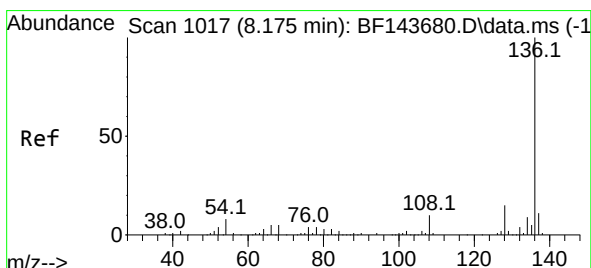
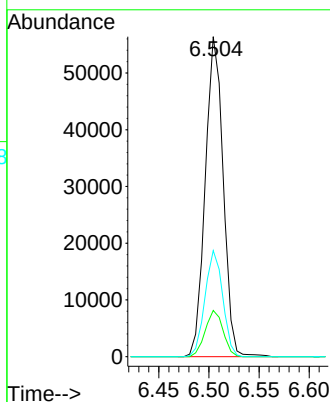
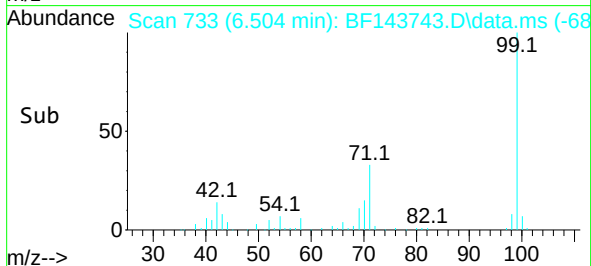
Instrument :
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ClientSampleId :
MOO-25-0260DL



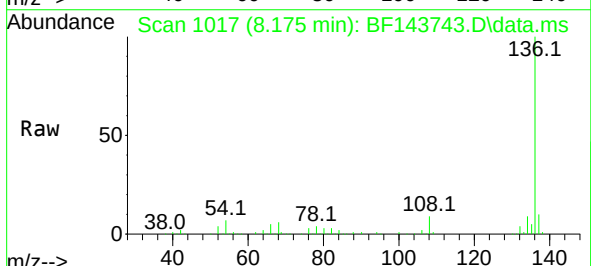
Tgt Ion: 99 Resp: 7031
Ion Ratio Lower Upper
99 100
42 14.5 13.0 19.4
71 33.1 27.4 41.2

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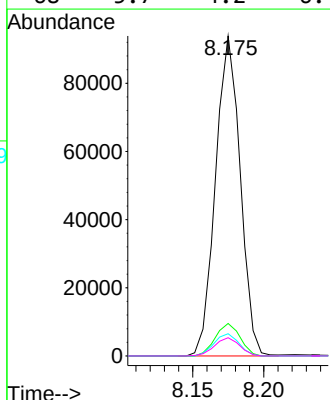
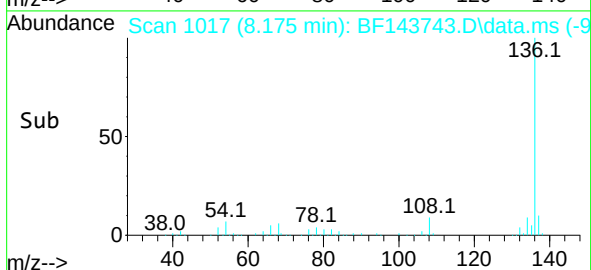
Reviewed By :Rahul Chavli 09/15/2025
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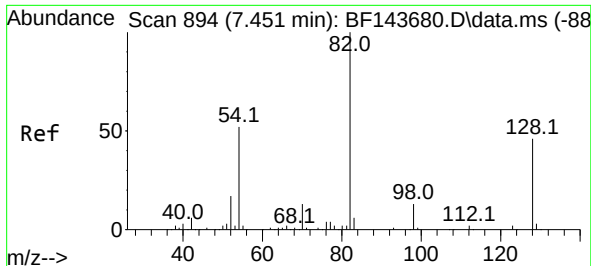


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BF143743.D
Acq: 12 Sep 2025 20:06



Tgt Ion:136 Resp: 113411
Ion Ratio Lower Upper
136 100
137 10.1 8.7 13.1
54 6.9 6.2 9.2
68 5.7 4.2 6.4





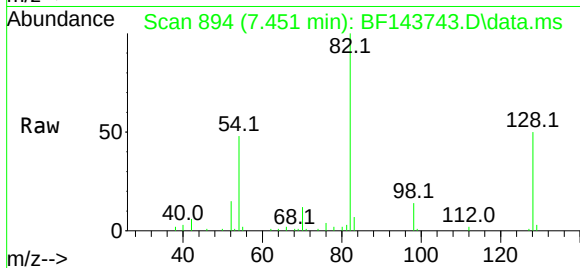
#23
Nitrobenzene-d5
Concen: 22.742 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.000 min
Lab File: BF143743.D
Acq: 12 Sep 2025 20:06

Instrument :

BNA_F

ClientSampleId :

MOO-25-0260DL

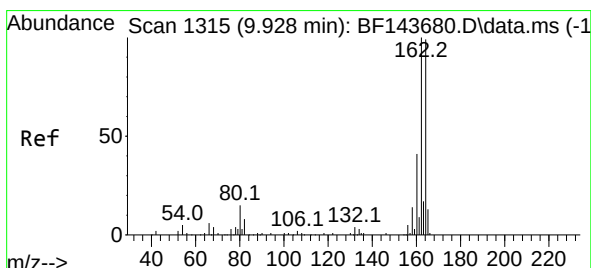
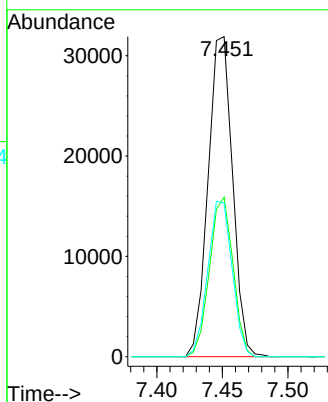
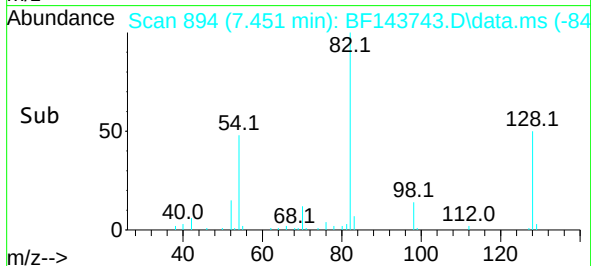


Tgt Ion: 82 Resp: 4146
Ion Ratio Lower Upper
82 100
128 49.8 37.0 55.4
54 47.9 41.8 62.8

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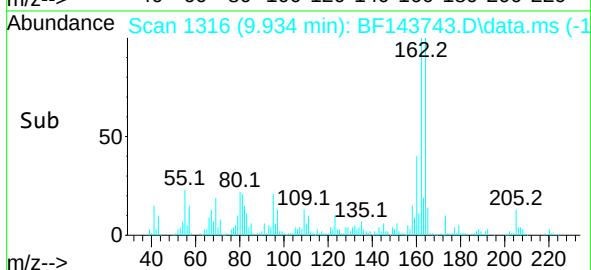
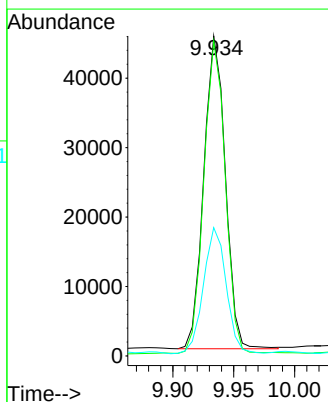
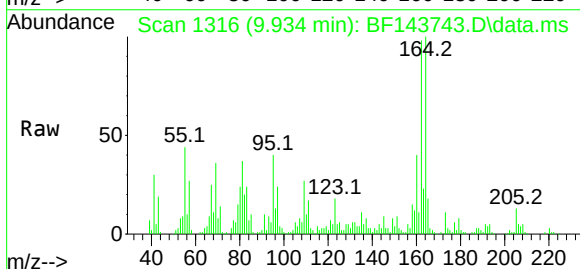
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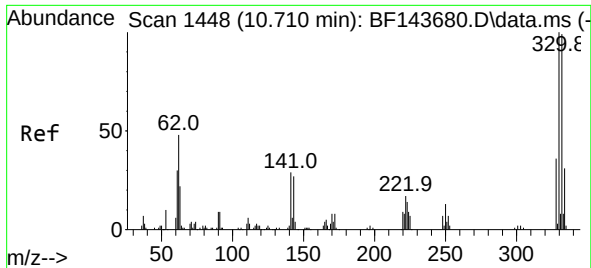
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. 0.006 min
Lab File: BF143743.D
Acq: 12 Sep 2025 20:06

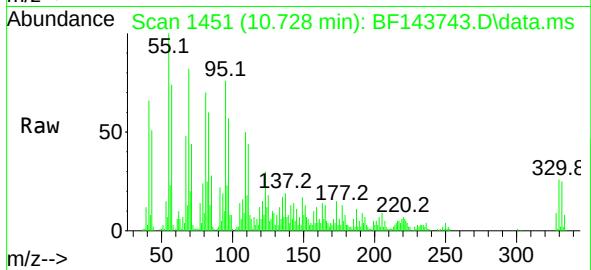
Tgt Ion:164 Resp: 55522
Ion Ratio Lower Upper
164 100
162 98.5 80.6 121.0
160 40.1 33.0 49.4





#42
2,4,6-Tribromophenol
Concen: 28.372 ng
RT: 10.728 min Scan# 1448
Delta R.T. 0.018 min
Lab File: BF143743.D
Acq: 12 Sep 2025 20:06

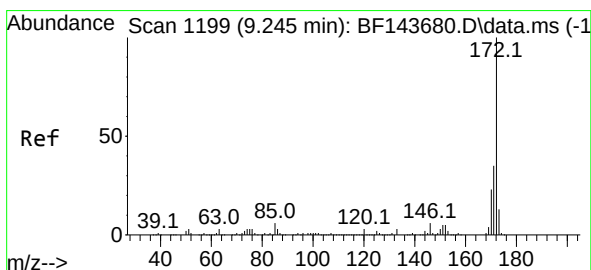
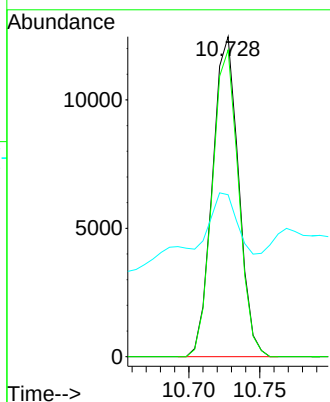
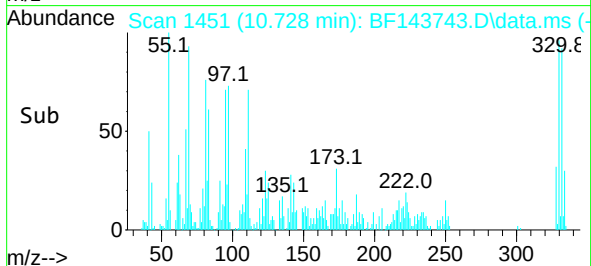
Instrument :
BNA_F
ClientSampleId :
MOO-25-0260DL



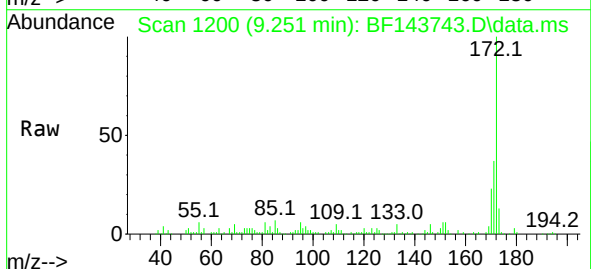
Tgt Ion: 330 Resp: 15879
Ion Ratio Lower Upper
330 100
332 96.0 79.2 118.8
141 40.7 22.2 33.4

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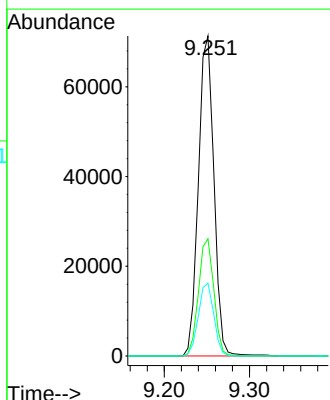
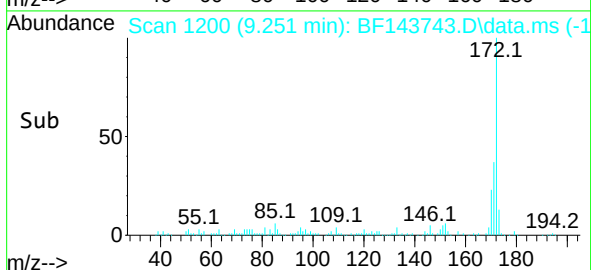
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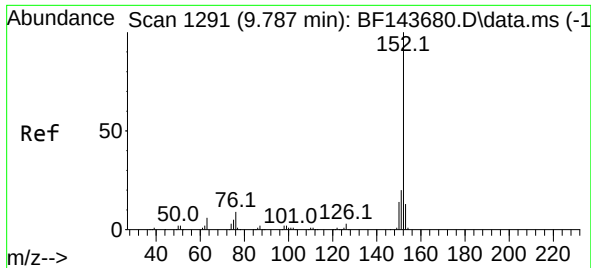


#45
2-Fluorobiphenyl
Concen: 24.562 ng
RT: 9.251 min Scan# 1200
Delta R.T. 0.006 min
Lab File: BF143743.D
Acq: 12 Sep 2025 20:06



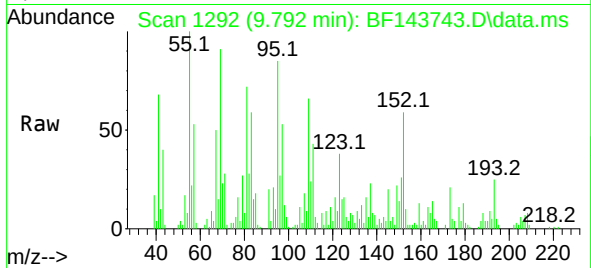
Tgt Ion: 172 Resp: 90278
Ion Ratio Lower Upper
172 100
171 36.6 27.9 41.9
170 22.8 18.6 27.8





#49
Acenaphthylene
Concen: 2.270 ng
RT: 9.792 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143743.D
Acq: 12 Sep 2025 20:06

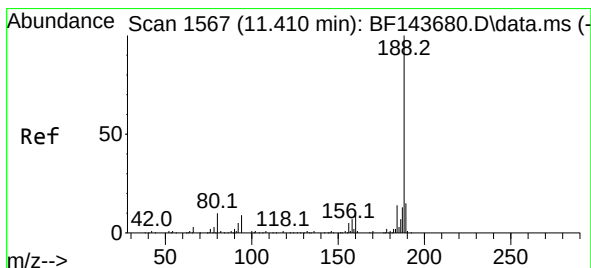
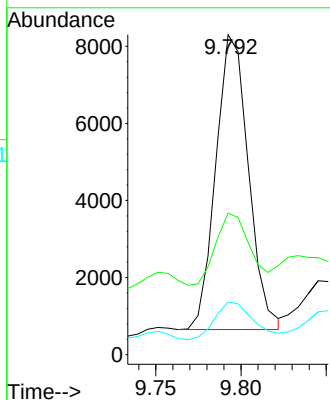
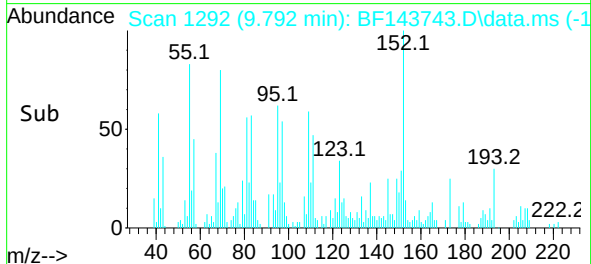
Instrument :
BNA_F
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MOO-25-0260DL



Tgt Ion:152 Resp: 10190
Ion Ratio Lower Upper
152 100
151 44.2 15.9 23.9#
153 16.5 10.4 15.6#

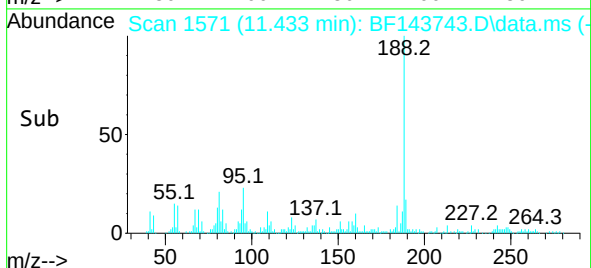
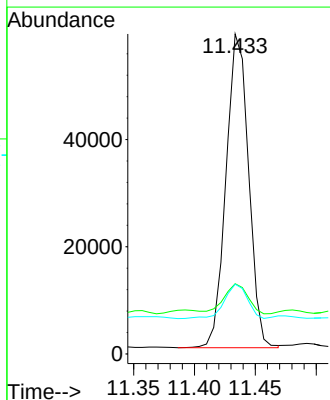
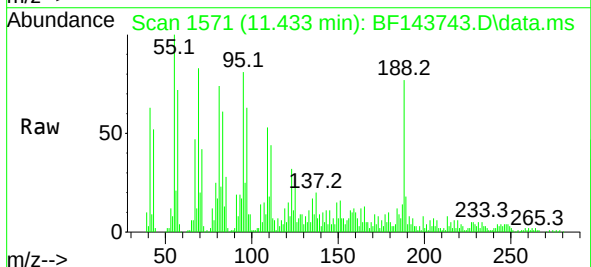
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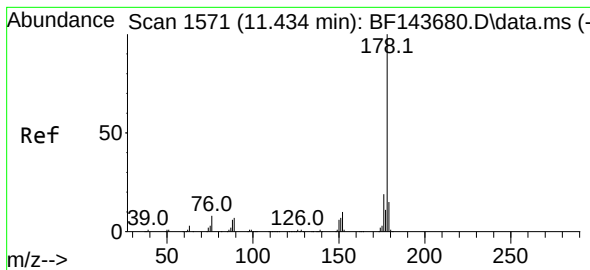
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.023 min
Lab File: BF143743.D
Acq: 12 Sep 2025 20:06

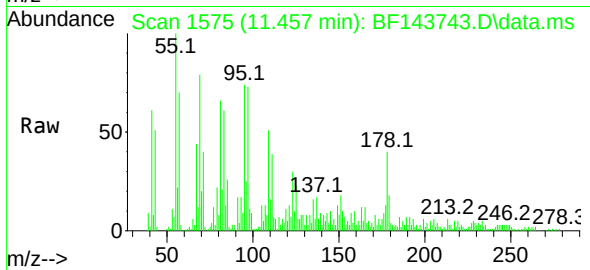
Tgt Ion:188 Resp: 75662
Ion Ratio Lower Upper
188 100
94 21.9 7.4 11.0#
80 21.8 7.7 11.5#





#71
Phenanthrene
Concen: 9.786 ng
RT: 11.457 min Scan# 1575
Delta R.T. 0.023 min
Lab File: BF143743.D
Acq: 12 Sep 2025 20:06

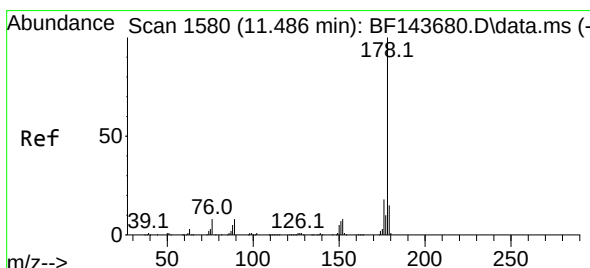
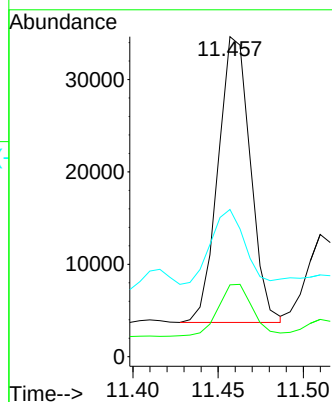
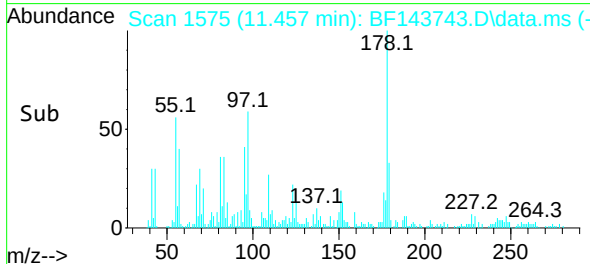
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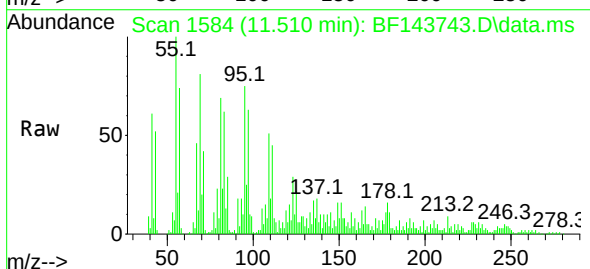
Tgt Ion:178 Resp: 4079
Ion Ratio Lower Upper
178 100
176 22.5 14.8 22.2#
179 46.0 12.2 18.2#

Manual Integrations
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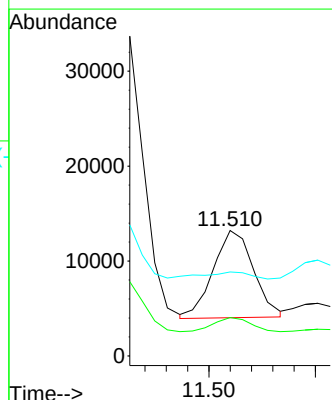
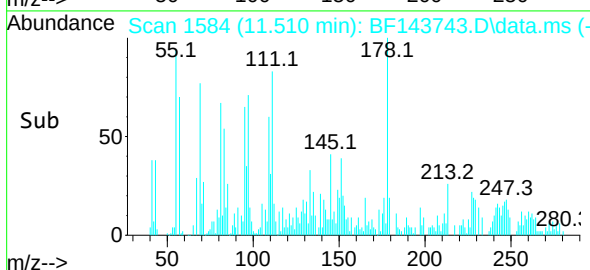
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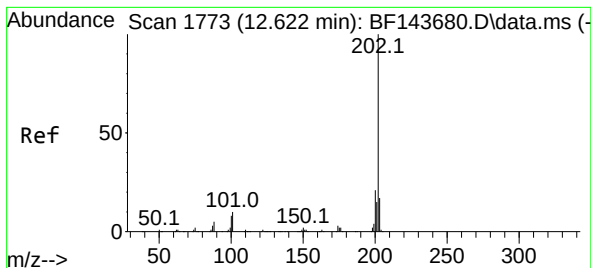


#72
Anthracene
Concen: 2.889 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.023 min
Lab File: BF143743.D
Acq: 12 Sep 2025 20:06



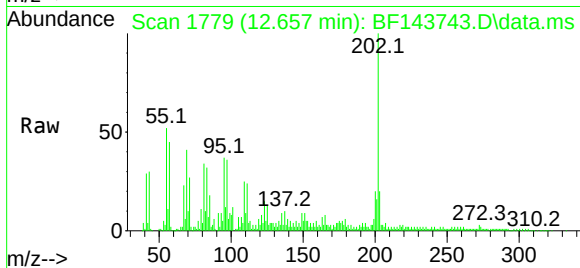
Tgt Ion:178 Resp: 12109
Ion Ratio Lower Upper
178 100
176 30.6 14.5 21.7#
179 66.9 12.2 18.2#





#75
Fluoranthene
Concen: 45.600 ng
RT: 12.657 min Scan# 1779
Delta R.T. 0.035 min
Lab File: BF143743.D
Acq: 12 Sep 2025 20:06

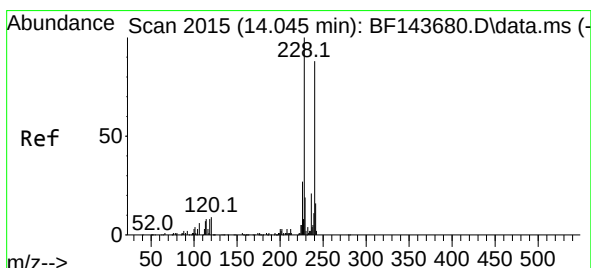
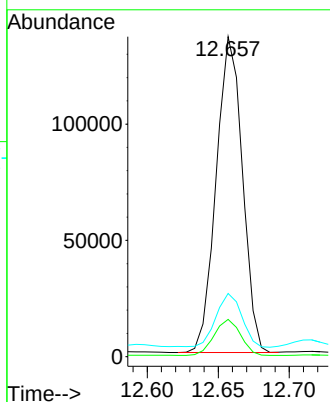
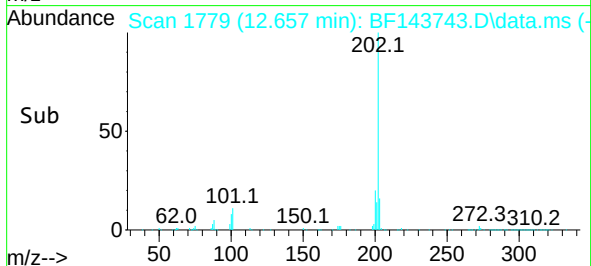
Instrument :
BNA_F
ClientSampleId :
MOO-25-0260DL



Tgt Ion:202 Resp: 17451
Ion Ratio Lower Upper
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101 11.6 0.0 30.5
203 19.7 0.0 37.1

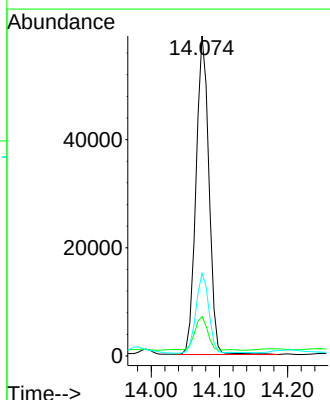
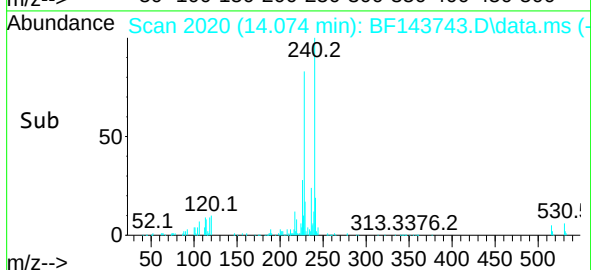
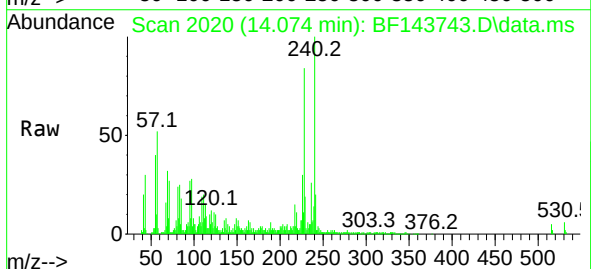
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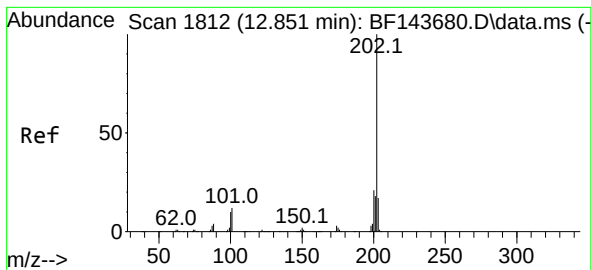
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.029 min
Lab File: BF143743.D
Acq: 12 Sep 2025 20:06

Tgt Ion:240 Resp: 77504
Ion Ratio Lower Upper
240 100
120 12.3 8.4 12.6
236 25.8 18.6 28.0





#78

Pyrene

Concen: 26.867 ng

RT: 12.886 min Scan# 1818

Delta R.T. 0.035 min

Lab File: BF143743.D

Acq: 12 Sep 2025 20:06

Instrument :

BNA_F

ClientSampleId :

MOO-25-0260DL

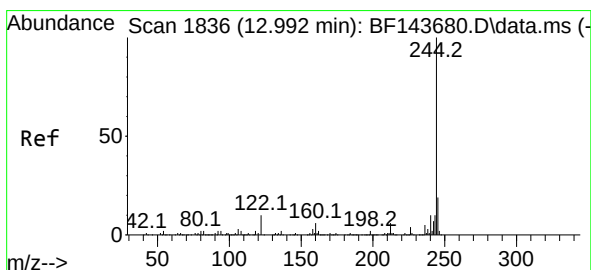
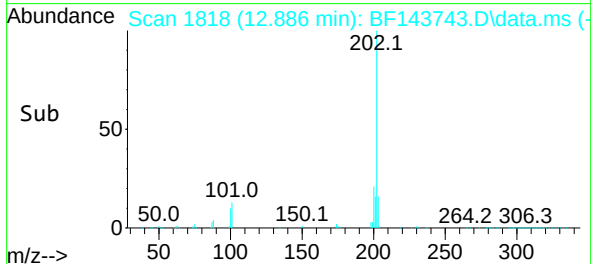
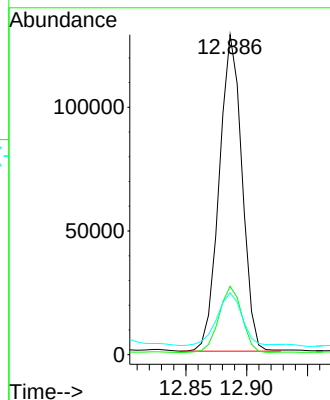
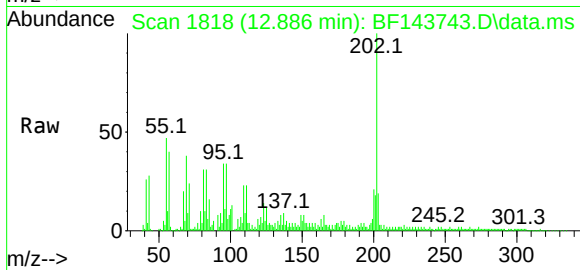
Tgt Ion:	202	Resp:	166480
Ion Ratio	Lower	Upper	
202	100		
200	21.4	16.6	24.8
203	19.4	13.5	20.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/15/2025

Supervised By :Jagrut Upadhyay 09/15/2025



#79

Terphenyl-d14

Concen: 16.814 ng

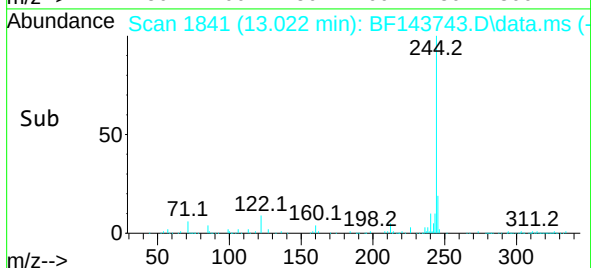
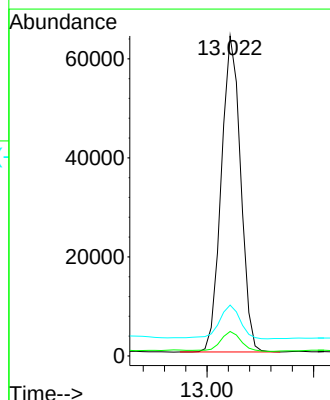
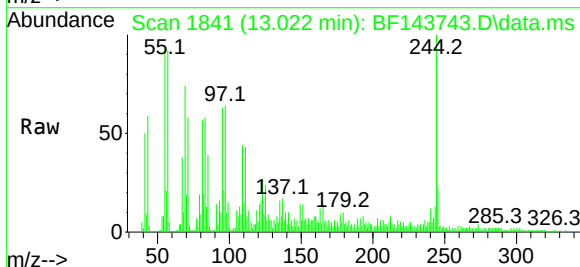
RT: 13.022 min Scan# 1841

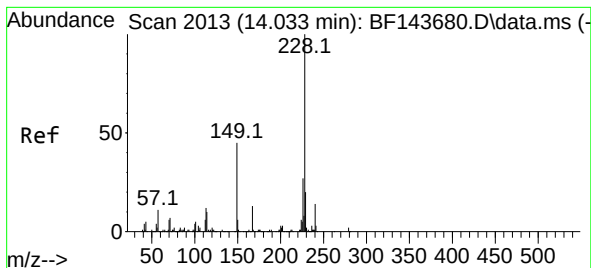
Delta R.T. 0.029 min

Lab File: BF143743.D

Acq: 12 Sep 2025 20:06

Tgt Ion:	244	Resp:	80414
Ion Ratio	Lower	Upper	
244	100		
212	7.6	5.0	7.6#
122	15.9	7.9	11.9#





#81

Benzo(a)anthracene

Concen: 21.411 ng

RT: 14.063 min Scan# 2013

Delta R.T. 0.029 min

Lab File: BF143743.D

Acq: 12 Sep 2025 20:06

Instrument :

BNF

ClientSampleId :

MOO-25-0260DL

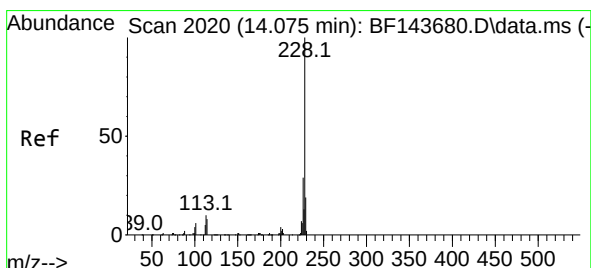
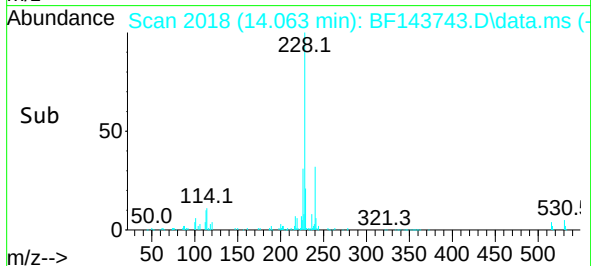
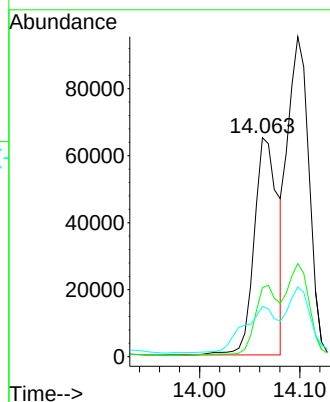
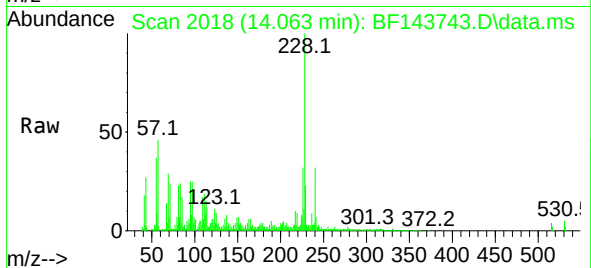
Tgt Ion:	228	Resp:	106759
Ion Ratio	Lower	Upper	
228	100		
226	31.6	21.6	32.4
229	22.9	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/15/2025

Supervised By :Jagrut Upadhyay 09/15/2025



#83

Chrysene

Concen: 30.642 ng

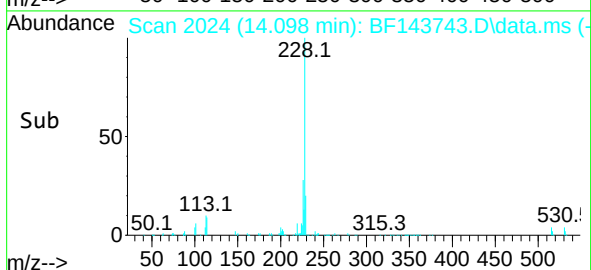
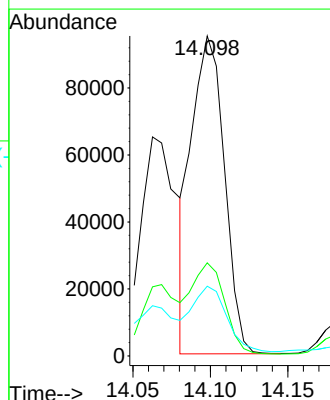
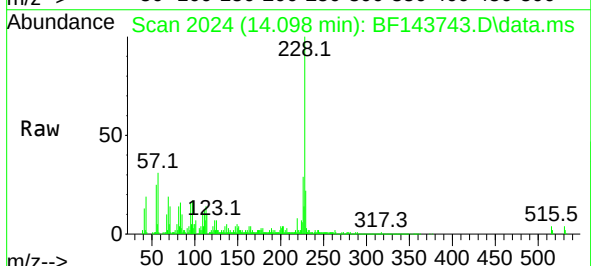
RT: 14.098 min Scan# 2024

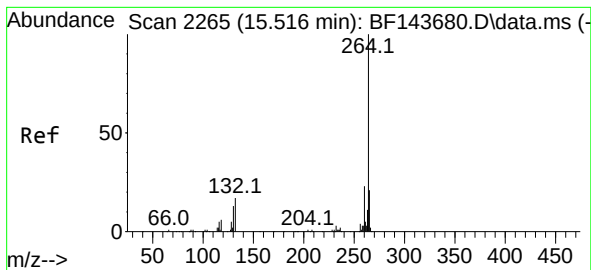
Delta R.T. 0.023 min

Lab File: BF143743.D

Acq: 12 Sep 2025 20:06

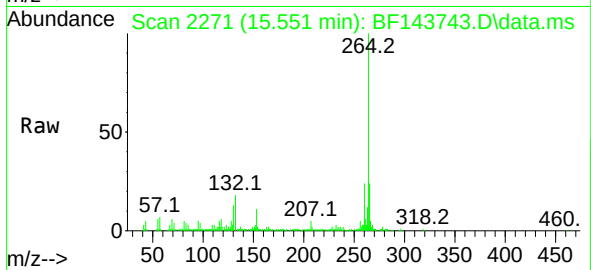
Tgt Ion:	228	Resp:	139934
Ion Ratio	Lower	Upper	
228	100		
226	29.1	22.7	34.1
229	21.8	15.1	22.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.035 min
Lab File: BF143743.D
Acq: 12 Sep 2025 20:06

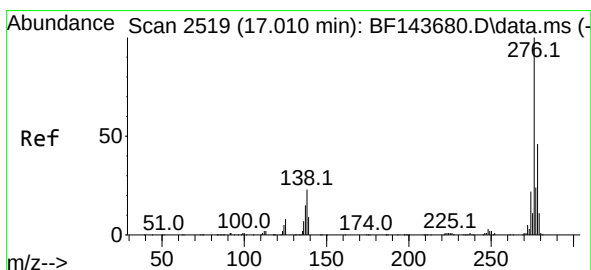
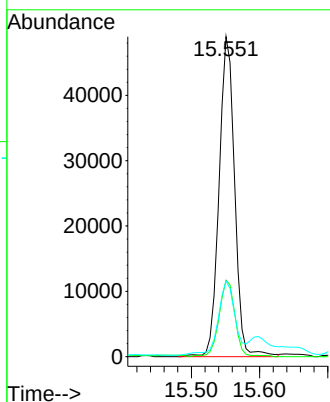
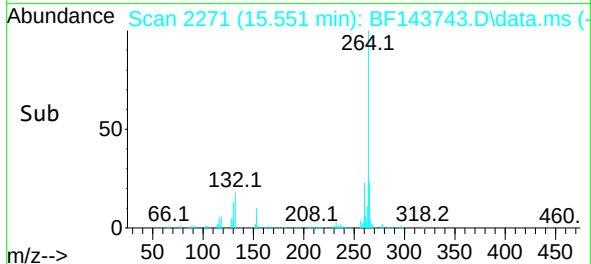
Instrument :
BNA_F
ClientSampleId :
MOO-25-0260DL



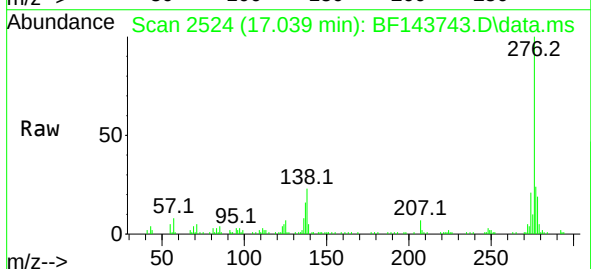
Tgt Ion:264 Resp: 77990
Ion Ratio Lower Upper
264 100
260 23.9 18.4 27.6
265 23.7 17.1 25.7

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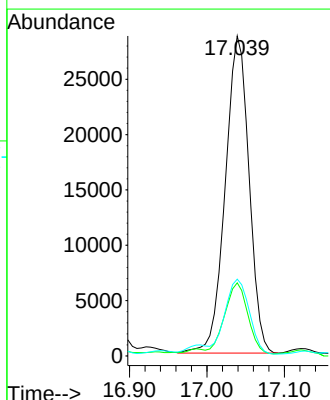
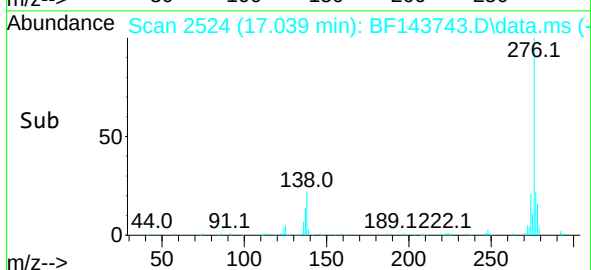
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025

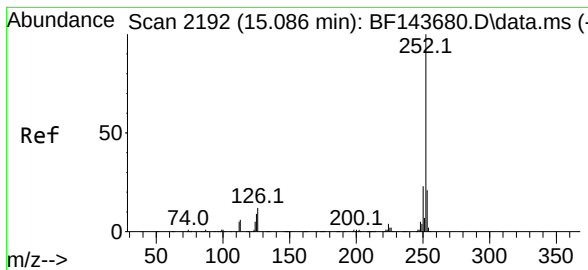


#87
Indeno(1,2,3-cd)pyrene
Concen: 11.500 ng
RT: 17.039 min Scan# 2524
Delta R.T. 0.029 min
Lab File: BF143743.D
Acq: 12 Sep 2025 20:06



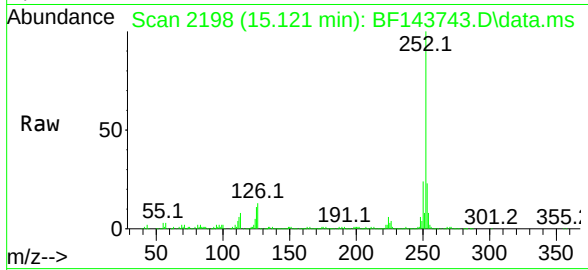
Tgt Ion:276 Resp: 61215
Ion Ratio Lower Upper
276 100
138 21.8 19.7 29.5
277 24.0 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 67.825 ng m
RT: 15.121 min Scan# 2192
Delta R.T. 0.035 min
Lab File: BF143743.D
Acq: 12 Sep 2025 20:06

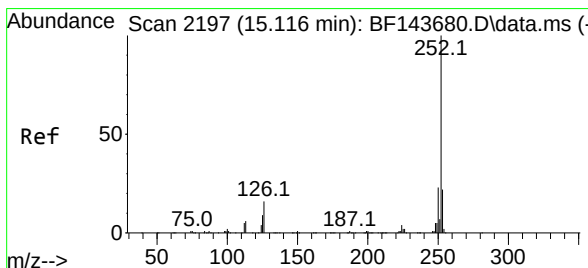
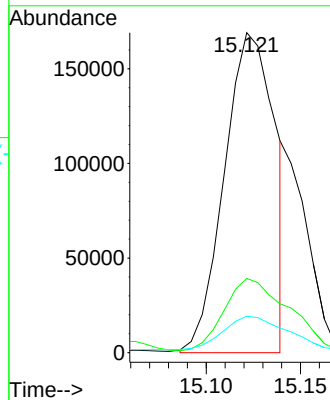
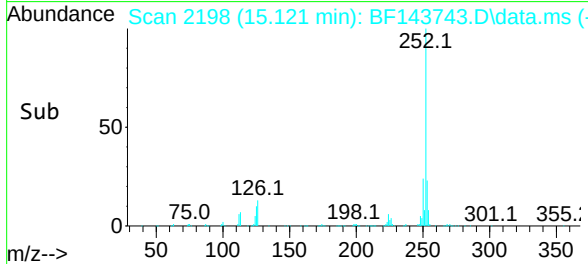
Instrument :
BNA_F
ClientSampleId :
MOO-25-0260DL



Tgt Ion:252 Resp: 31491
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.4
125 11.4 7.4 11.0

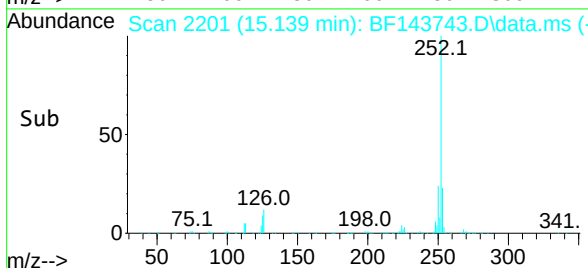
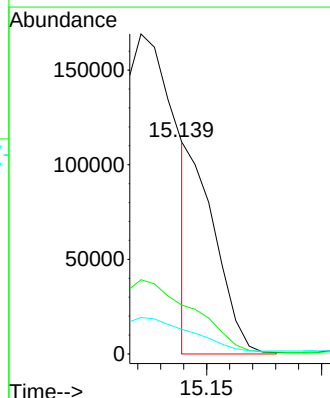
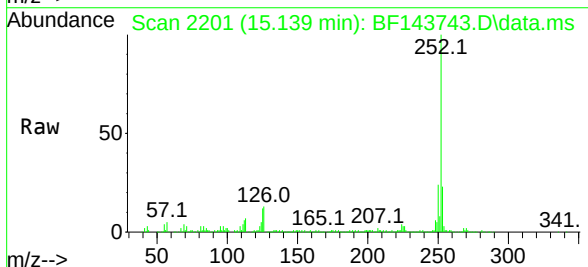
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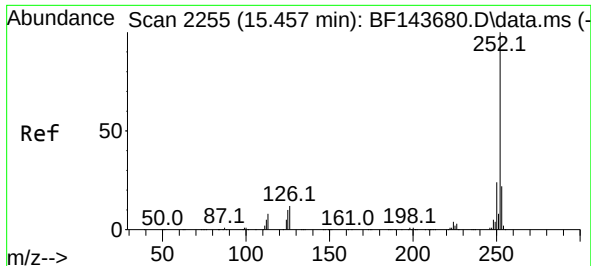
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025



#89
Benzo(k)fluoranthene
Concen: 21.132 ng m
RT: 15.139 min Scan# 2201
Delta R.T. 0.023 min
Lab File: BF143743.D
Acq: 12 Sep 2025 20:06

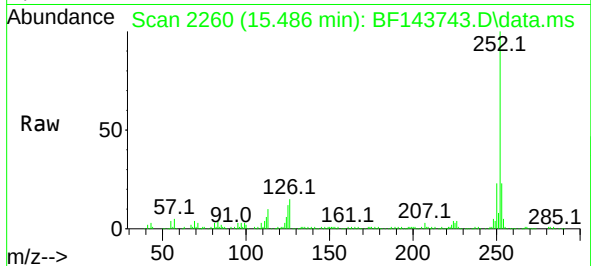
Tgt Ion:252 Resp: 88548
Ion Ratio Lower Upper
252 100
253 23.1 17.3 25.9
125 11.6 7.3 10.9





#90
Benzo(a)pyrene
Concen: 26.863 ng
RT: 15.486 min Scan# 21
Delta R.T. 0.029 min
Lab File: BF143743.D
Acq: 12 Sep 2025 20:06

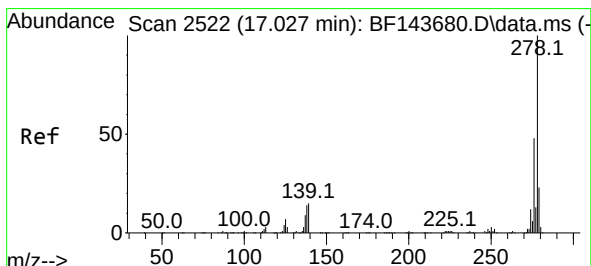
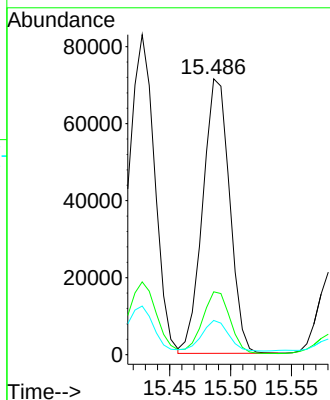
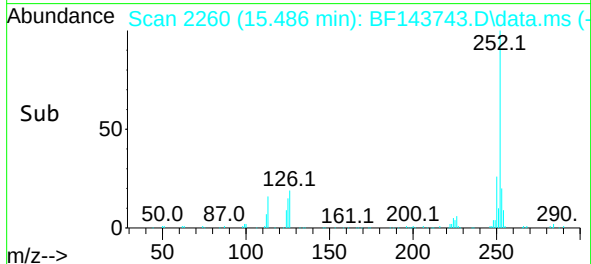
Instrument :
BNA_F
ClientSampleId :
MOO-25-0260DL



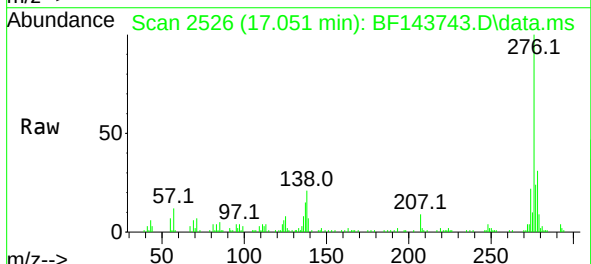
Tgt Ion:252 Resp: 10957
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 12.4 8.2 12.4

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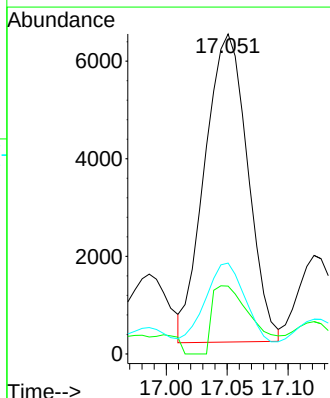
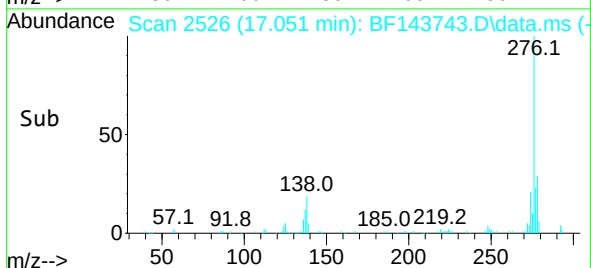
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025

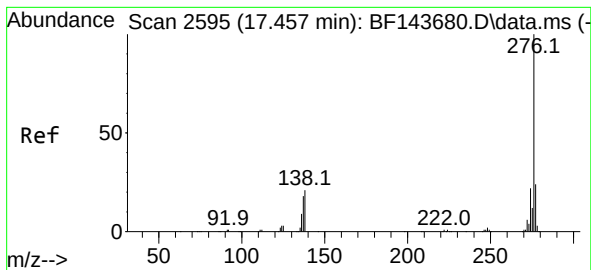


#91
Dibenzo(a,h)anthracene
Concen: 3.504 ng
RT: 17.051 min Scan# 2526
Delta R.T. 0.023 min
Lab File: BF143743.D
Acq: 12 Sep 2025 20:06



Tgt Ion:278 Resp: 15473
Ion Ratio Lower Upper
278 100
139 21.2 12.2 18.4#
279 28.4 18.7 28.1#





#92

Benzo(g,h,i)perylene

Concen: 12.136 ng

RT: 17.492 min Scan# 20

Delta R.T. 0.035 min

Lab File: BF143743.D

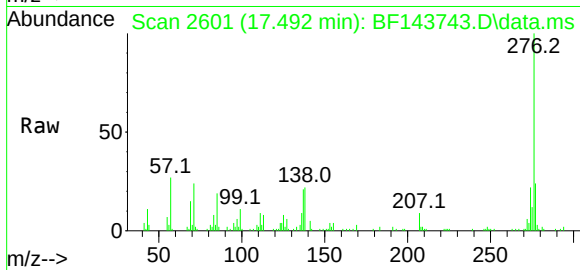
Acq: 12 Sep 2025 20:06

Instrument :

BNA_F

ClientSampleId :

MOO-25-0260DL



Tgt Ion:	276	Resp:	50134
Ion Ratio	Lower	Upper	
276	100		
277	24.1	19.2	28.8
138	21.9	17.0	25.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/15/2025

Supervised By :Jagrut Upadhyay 09/15/2025

