

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091225\
 Data File : BF143728.D
 Acq On : 12 Sep 2025 12:46
 Operator : RC/JU
 Sample : Q3077-03DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAW-25-0139DL

Manual Integrations
 APPROVED

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

Quant Time: Sep 12 13:42:03 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	6.892	152	24712	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	88490	20.000	ng	# 0.00
39) Acenaphthene-d10	9.933	164	43067	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	65876	20.000	ng	# 0.02
76) Chrysene-d12	14.068	240	74367	20.000	ng	0.02
86) Perylene-d12	15.545	264	83366	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	3864	2.668	ng	0.00
7) Phenol-d6	6.504	99	4454	2.526	ng	0.00
23) Nitrobenzene-d5	7.445	82	3849	2.706	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	1148	2.645	ng	0.03
45) 2-Fluorobiphenyl	9.251	172	5837	2.047	ng	0.00
79) Terphenyl-d14	13.016	244	6928	1.510	ng	0.02
Target Compounds						
						Qvalue
46) 1,1'-Biphenyl	9.351	154	17295	5.578	ng	99
58) Fluorene	10.480	166	34400	12.738	ng	# 40
75) Fluoranthene	12.651	202	17369	5.213	ng	79
78) Pyrene	12.880	202	22944	3.859	ng	# 88
81) Benzo(a)anthracene	14.057	228	16655	3.481	ng	95
83) Chrysene	14.092	228	12185m	2.781	ng	
84) Bis(2-ethylhexyl)phtha...	14.045	149	14313	5.385	ng	# 90
88) Benzo(b)fluoranthene	15.110	252	14506m	2.923	ng	

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

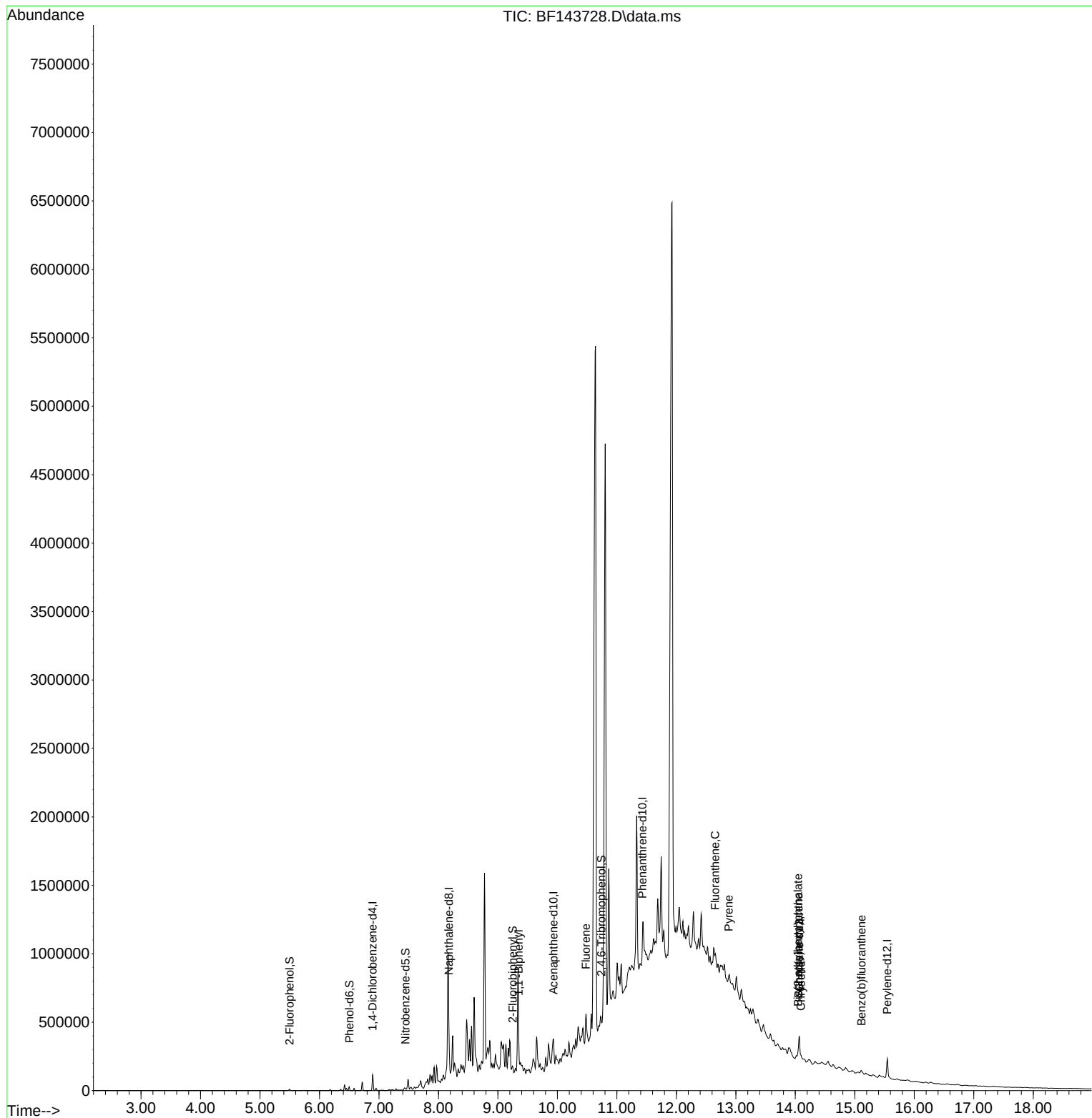
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091225\
Data File : BF143728.D
Acq On : 12 Sep 2025 12:46
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Sample : Q3077-03DL 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

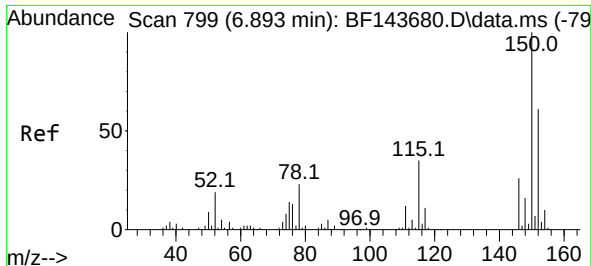
Instrument :
BNA_F
ClientSampleId :
LAW-25-0139DL

Quant Time: Sep 12 13:42:03 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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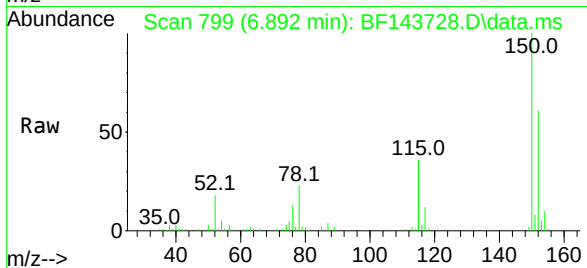
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Supervised By :Jagrut Upadhyay 09/15/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF143728.D
Acq: 12 Sep 2025 12:46

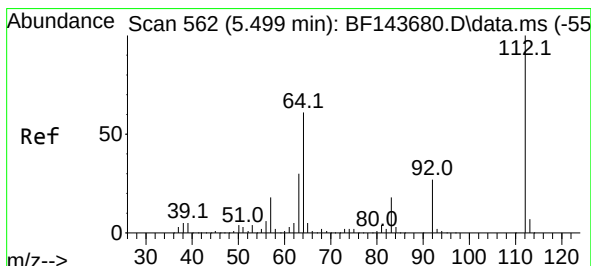
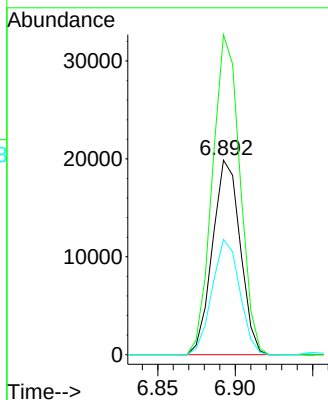
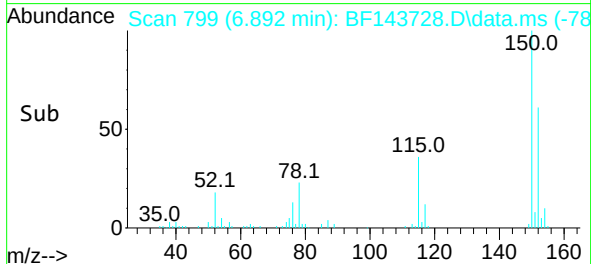
Instrument :
BNA_F
ClientSampleId :
LAW-25-0139DL



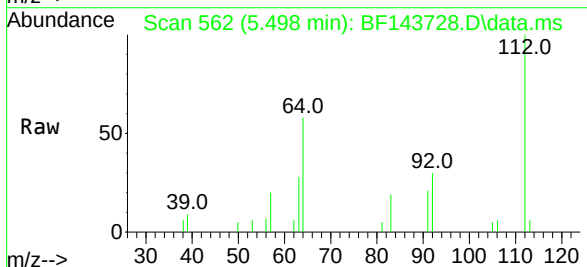
Tgt Ion:152 Resp: 24712
Ion Ratio Lower Upper
152 100
150 164.5 130.7 196.1
115 59.2 45.9 68.9

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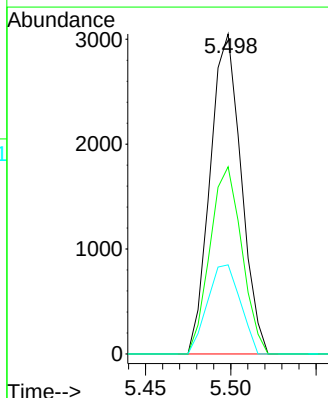
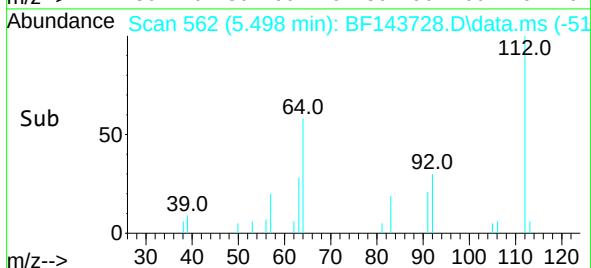
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025

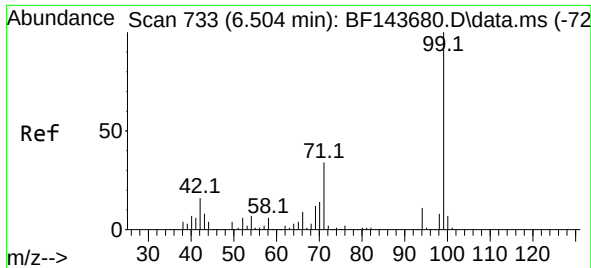


#5
2-Fluorophenol
Concen: 2.668 ng
RT: 5.498 min Scan# 562
Delta R.T. -0.000 min
Lab File: BF143728.D
Acq: 12 Sep 2025 12:46



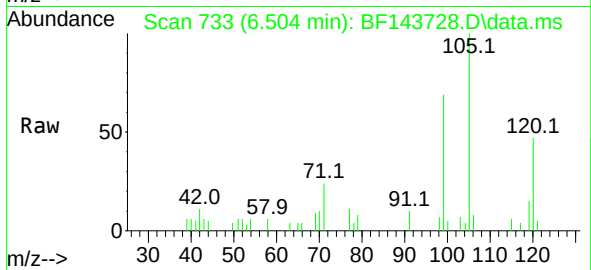
Tgt Ion:112 Resp: 3864
Ion Ratio Lower Upper
112 100
64 58.5 49.0 73.4
63 27.9 24.3 36.5





#7
Phenol-d6
Concen: 2.526 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF143728.D
Acq: 12 Sep 2025 12:46

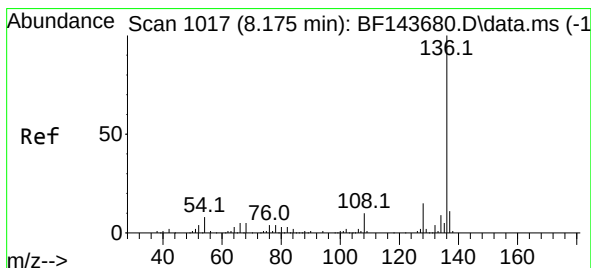
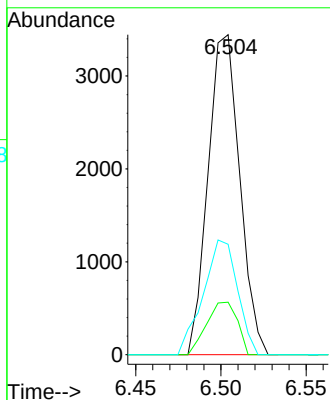
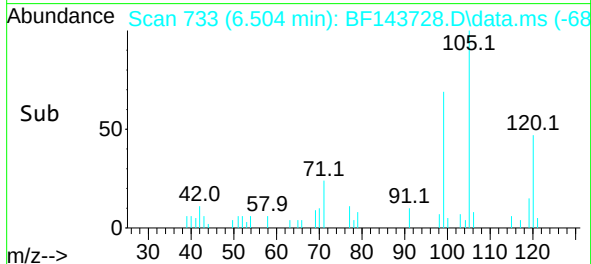
Instrument :
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ClientSampleId :
LAW-25-0139DL



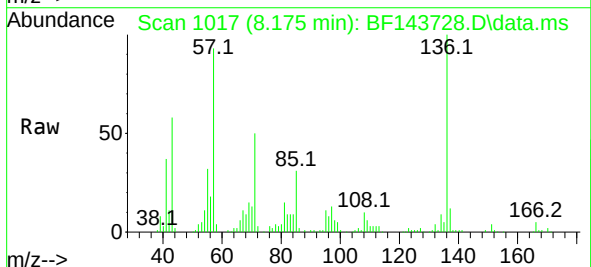
Tgt Ion: 99 Resp: 4454
Ion Ratio Lower Upper
99 100
42 16.4 13.0 19.4
71 34.5 27.4 41.2

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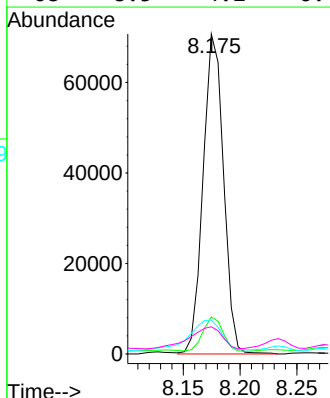
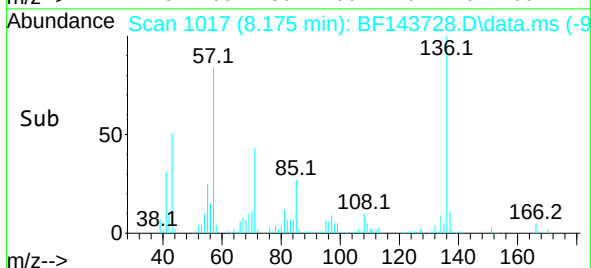
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025

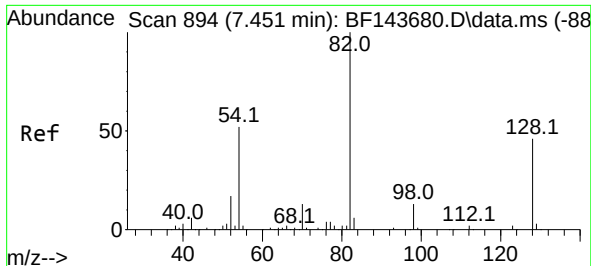


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BF143728.D
Acq: 12 Sep 2025 12:46



Tgt Ion:136 Resp: 88490
Ion Ratio Lower Upper
136 100
137 11.5 8.7 13.1
54 10.6 6.2 9.2#
68 8.5 4.2 6.4#





#23

Nitrobenzene-d5

Concen: 2.706 ng

RT: 7.445 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF143728.D

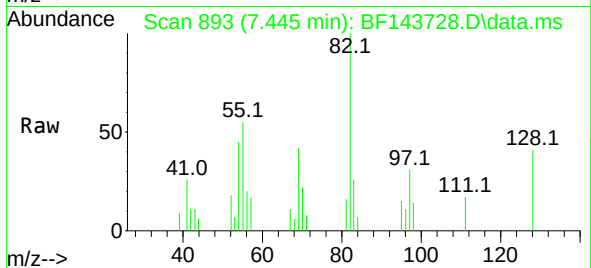
Acq: 12 Sep 2025 12:46

Instrument :

BNA_F

ClientSampleId :

LAW-25-0139DL



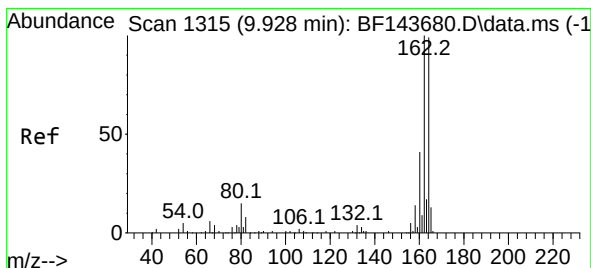
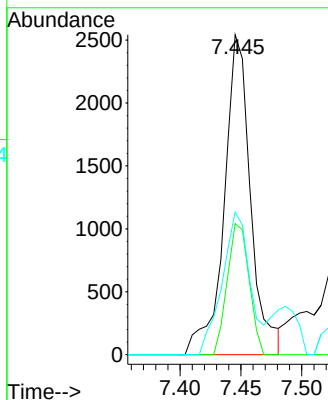
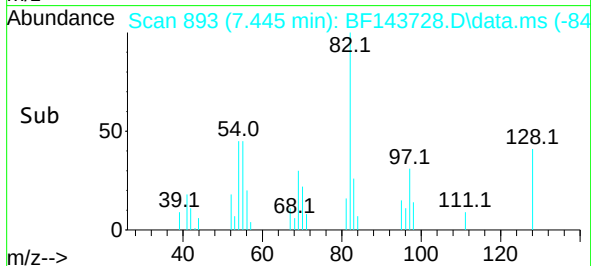
Tgt Ion: 82	Resp: 3849
Ion Ratio	Lower Upper
82	100
128	40.9 37.0 55.4
54	44.6 41.8 62.8

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

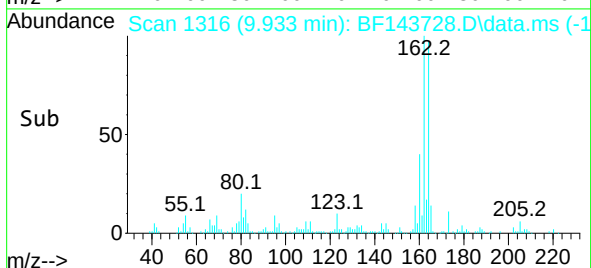
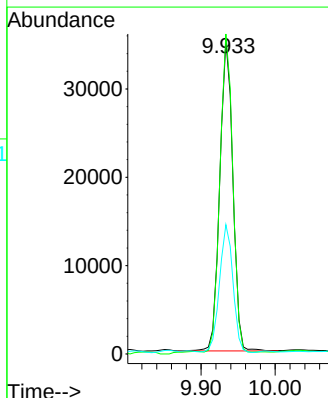
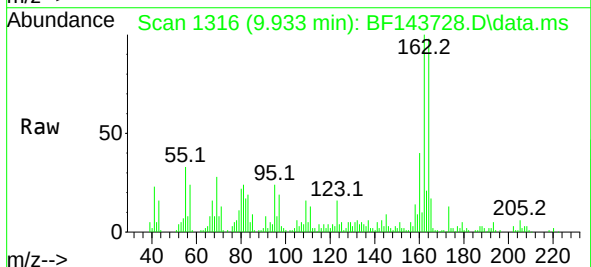
RT: 9.933 min Scan# 1316

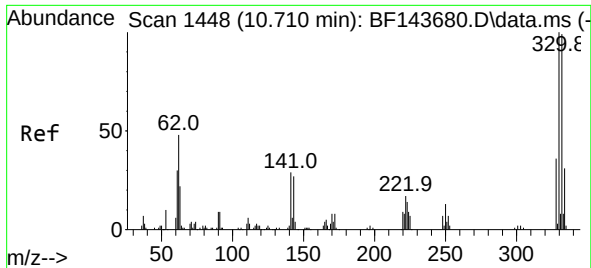
Delta R.T. 0.006 min

Lab File: BF143728.D

Acq: 12 Sep 2025 12:46

Tgt Ion:164	Resp: 43067
Ion Ratio	Lower Upper
164	100
162	102.1 80.6 121.0
160	41.3 33.0 49.4





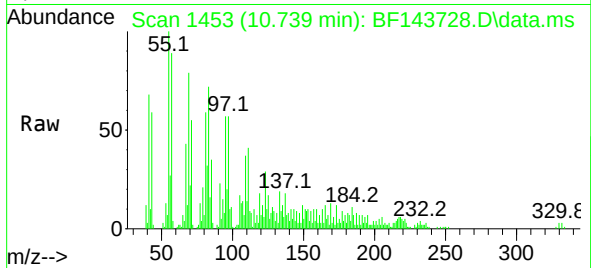
#42
2,4,6-Tribromophenol
Concen: 2.645 ng
RT: 10.739 min Scan# 1448
Delta R.T. 0.029 min
Lab File: BF143728.D
Acq: 12 Sep 2025 12:46

Instrument :

BNA_F

ClientSampleId :

LAW-25-0139DL



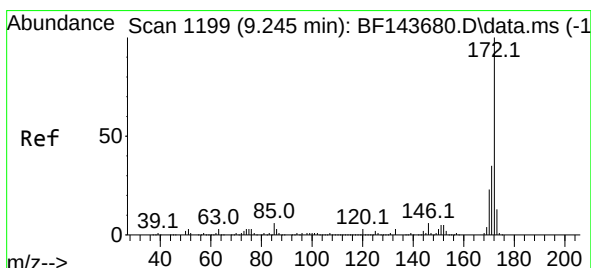
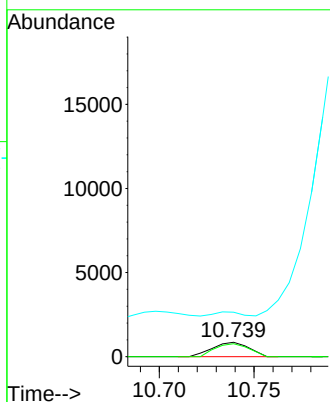
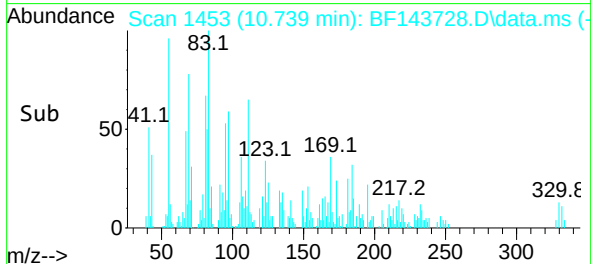
Tgt Ion: 330 Resp: 1148
Ion Ratio Lower Upper
330 100
332 83.7 79.2 118.8
141 0.0 22.2 33.4

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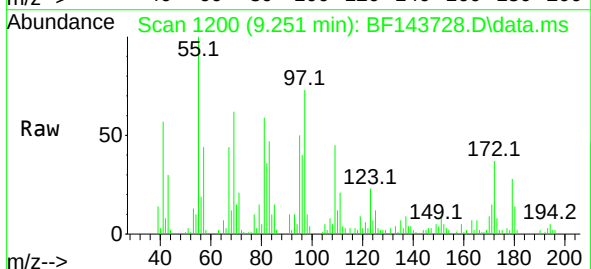
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Reviewed By :Rahul Chavli 09/15/2025

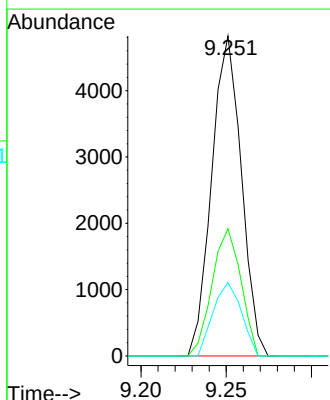
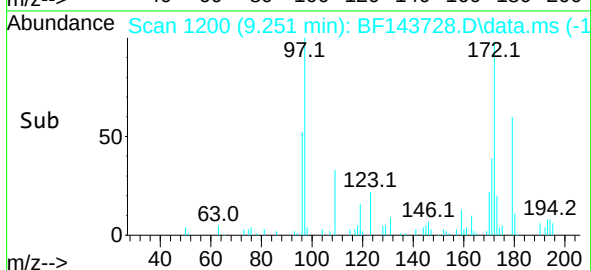
Supervised By :Jagrut Upadhyay 09/15/2025

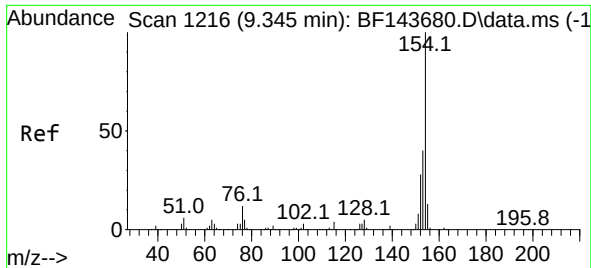


#45
2-Fluorobiphenyl
Concen: 2.047 ng
RT: 9.251 min Scan# 1200
Delta R.T. 0.006 min
Lab File: BF143728.D
Acq: 12 Sep 2025 12:46



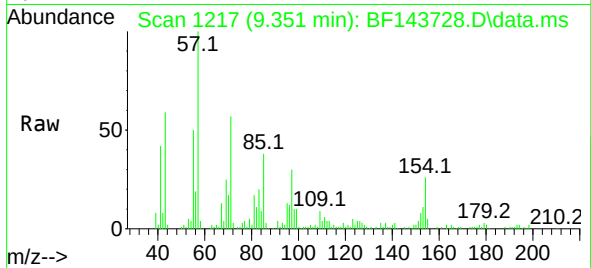
Tgt Ion: 172 Resp: 5837
Ion Ratio Lower Upper
172 100
171 39.8 27.9 41.9
170 23.0 18.6 27.8





#46
1,1'-Biphenyl
Concen: 5.578 ng
RT: 9.351 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143728.D
Acq: 12 Sep 2025 12:46

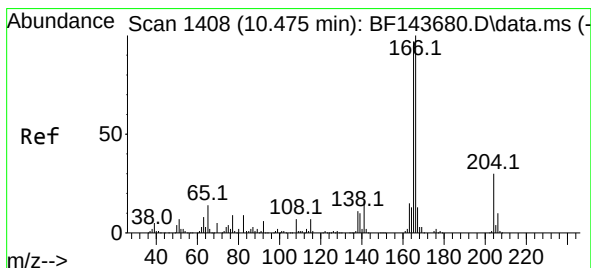
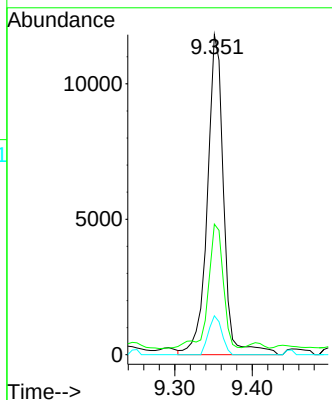
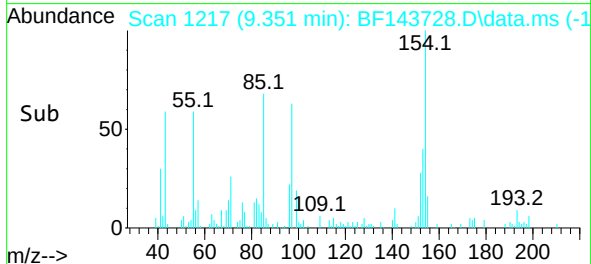
Instrument :
BNA_F
ClientSampleId :
LAW-25-0139DL



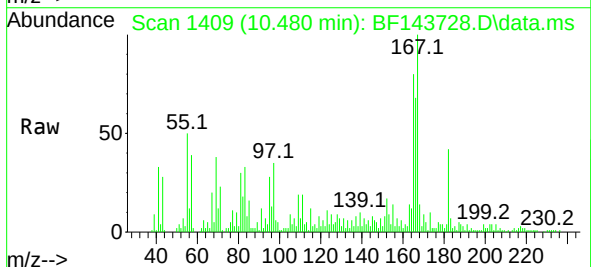
Tgt Ion:154 Resp: 1729
Ion Ratio Lower Upper
154 100
153 40.8 20.2 60.2
76 12.2 0.0 31.6

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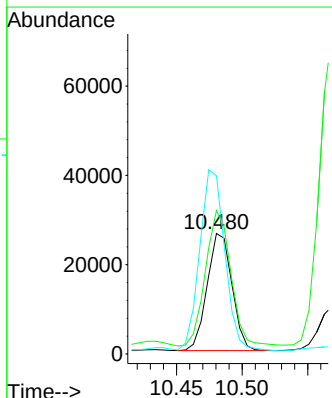
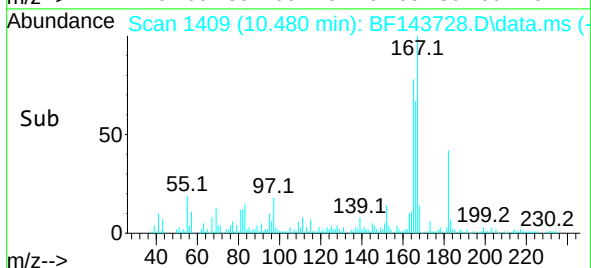
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025

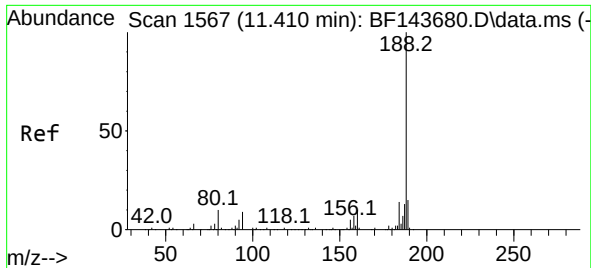


#58
Fluorene
Concen: 12.738 ng
RT: 10.480 min Scan# 1409
Delta R.T. 0.006 min
Lab File: BF143728.D
Acq: 12 Sep 2025 12:46



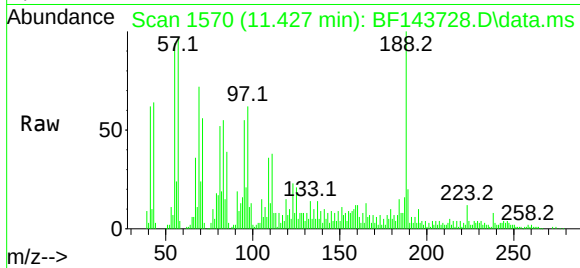
Tgt Ion:166 Resp: 34400
Ion Ratio Lower Upper
166 100
165 119.1 77.5 116.3#
167 148.0 10.2 15.2#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 11427
Delta R.T. 0.017 min
Lab File: BF143728.D
Acq: 12 Sep 2025 12:46

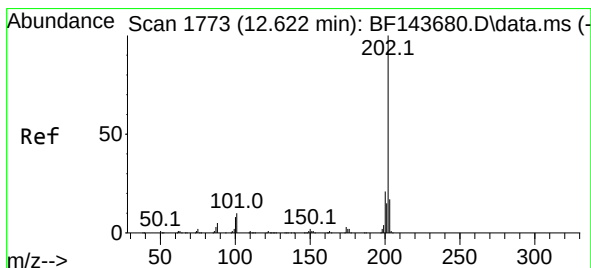
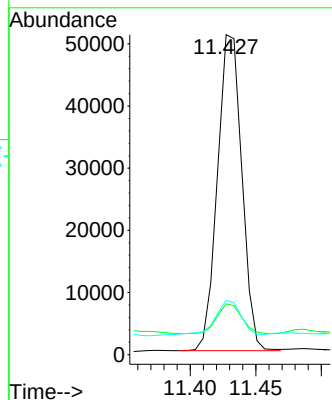
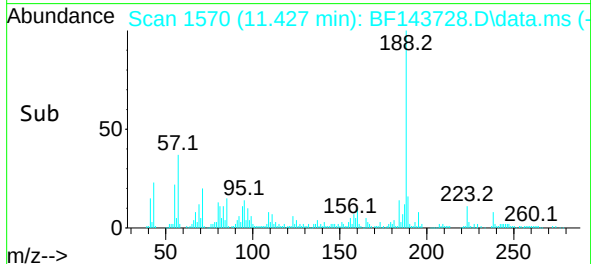
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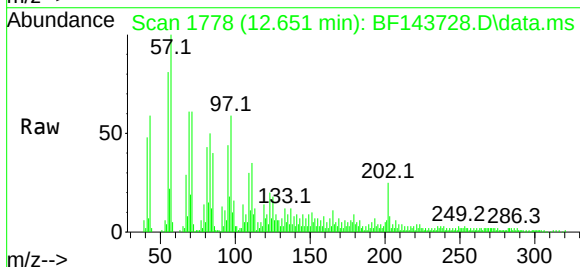
Tgt Ion:188 Resp: 65870
Ion Ratio Lower Upper
188 100
94 15.9 7.4 11.0
80 17.0 7.7 11.5

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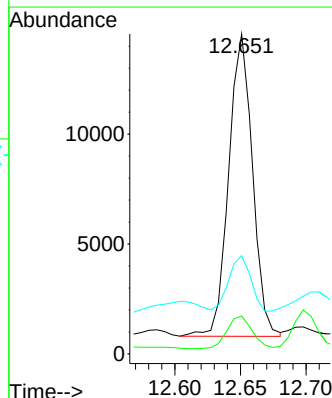
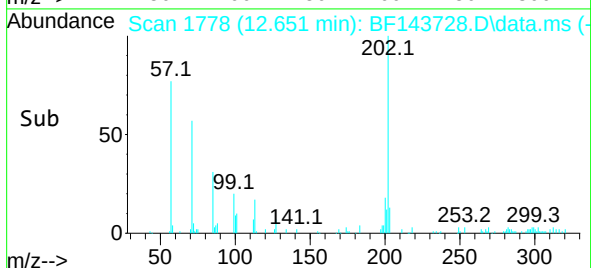
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025

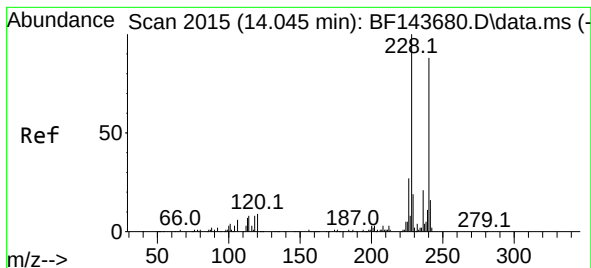


#75
Fluoranthene
Concen: 5.213 ng
RT: 12.651 min Scan# 1778
Delta R.T. 0.029 min
Lab File: BF143728.D
Acq: 12 Sep 2025 12:46



Tgt Ion:202 Resp: 17369
Ion Ratio Lower Upper
202 100
101 11.9 0.0 30.5
203 30.7 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 2015

Delta R.T. 0.023 min

Lab File: BF143728.D

Acq: 12 Sep 2025 12:46

Instrument :

BNA_F

ClientSampleId :

LAW-25-0139DL

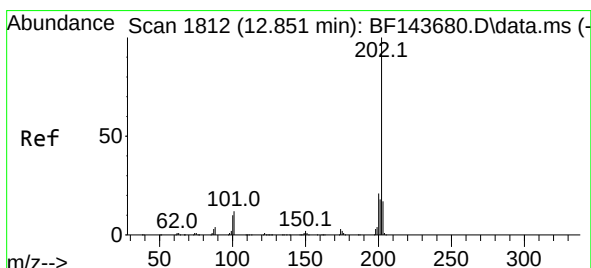
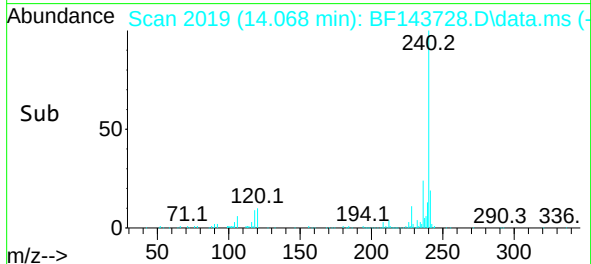
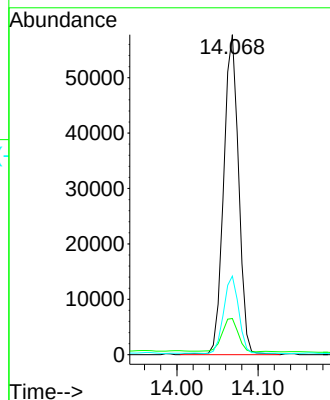
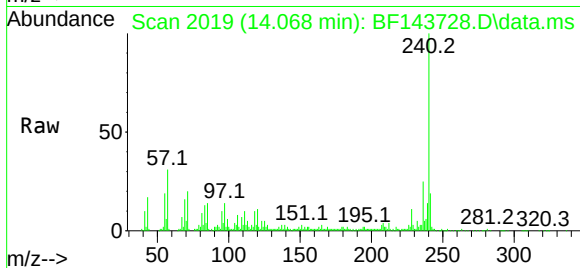
Tgt Ion:240 Resp: 7436
 Ion Ratio Lower Upper
 240 100
 120 11.3 8.4 12.6
 236 24.6 18.6 28.0

Manual Integrations

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#78

Pyrene

Concen: 3.859 ng

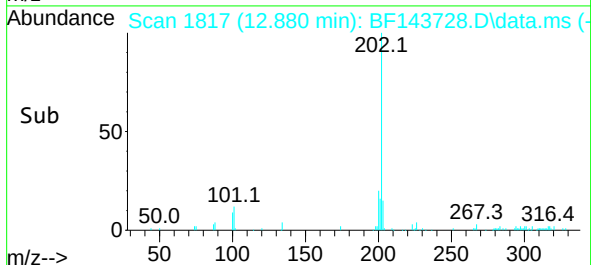
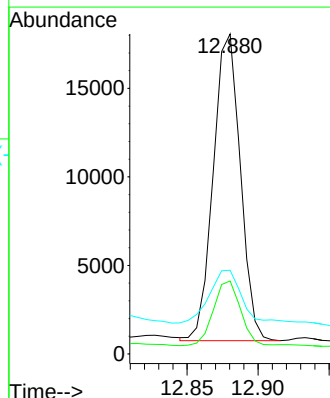
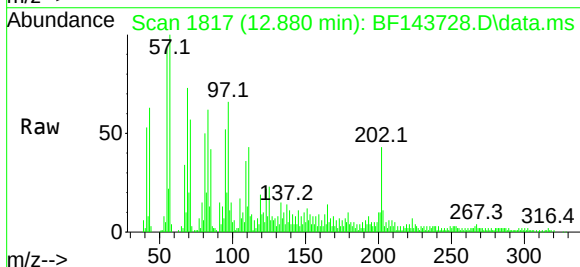
RT: 12.880 min Scan# 1817

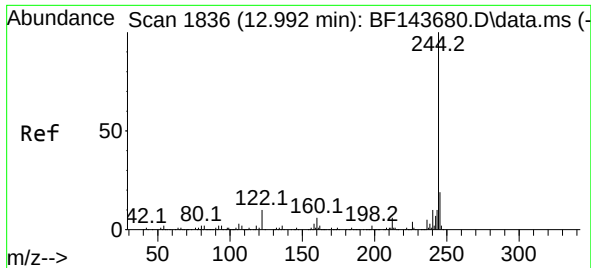
Delta R.T. 0.029 min

Lab File: BF143728.D

Acq: 12 Sep 2025 12:46

Tgt Ion:202 Resp: 22944
 Ion Ratio Lower Upper
 202 100
 200 22.8 16.6 24.8
 203 26.2 13.5 20.3#





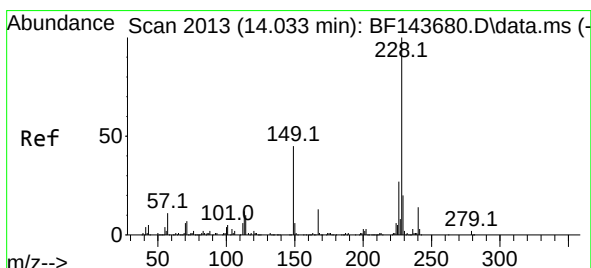
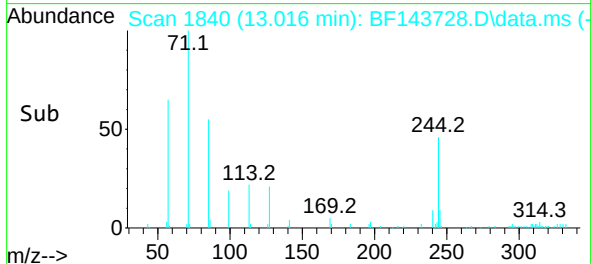
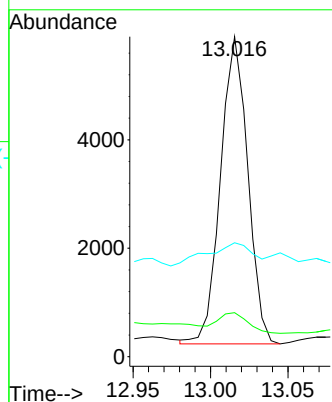
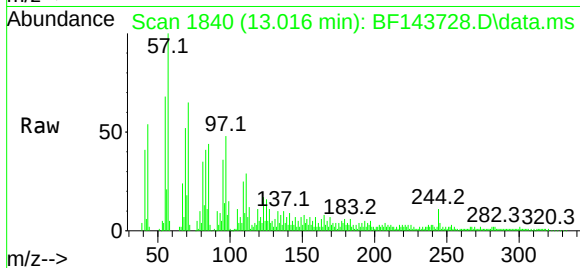
#79
 Terphenyl-d14
 Concen: 1.510 ng
 RT: 13.016 min Scan# 11
 Delta R.T. 0.023 min
 Lab File: BF143728.D
 Acq: 12 Sep 2025 12:46

Instrument :
 BNA_F
 ClientSampleId :
 LAW-25-0139DL

Tgt Ion:244 Resp: 6928
 Ion Ratio Lower Upper
 244 100
 212 13.7 5.0 7.6
 122 35.6 7.9 11.9

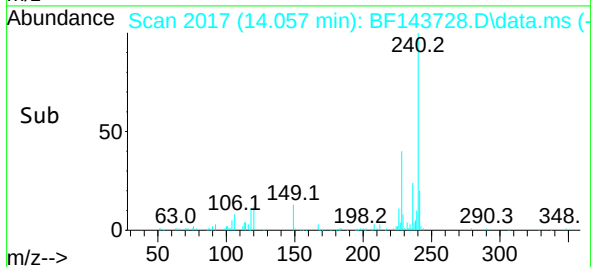
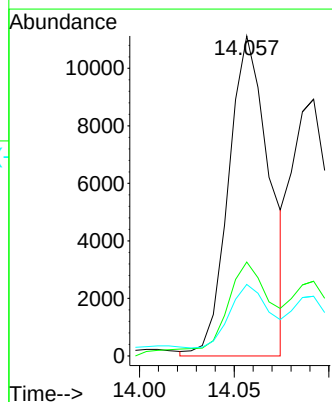
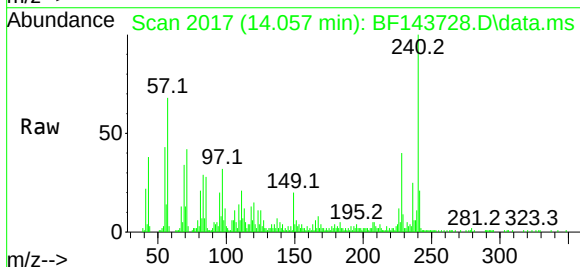
Manual Integrations
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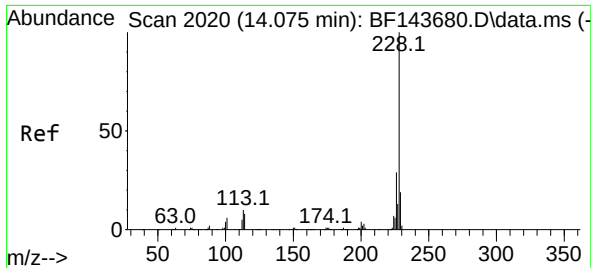
Reviewed By :Rahul Chavli 09/15/2025
 Supervised By :Jagrut Upadhyay 09/15/2025



#81
 Benzo(a)anthracene
 Concen: 3.481 ng
 RT: 14.057 min Scan# 2017
 Delta R.T. 0.023 min
 Lab File: BF143728.D
 Acq: 12 Sep 2025 12:46

Tgt Ion:228 Resp: 16655
 Ion Ratio Lower Upper
 228 100
 226 29.3 21.6 32.4
 229 22.4 15.7 23.5





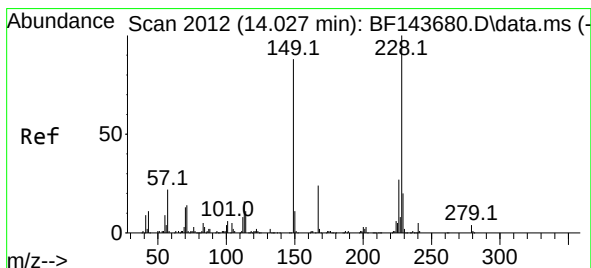
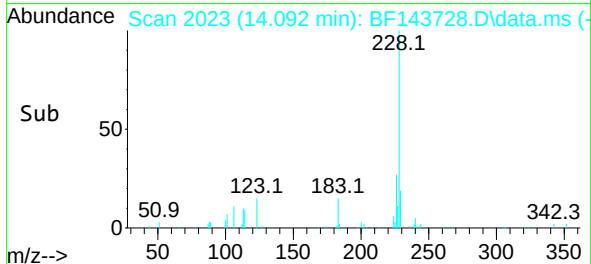
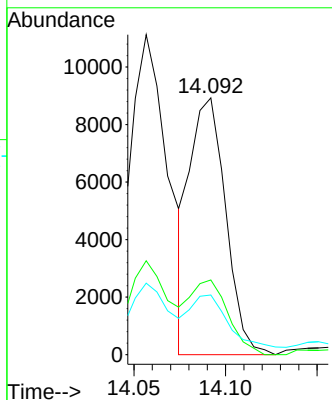
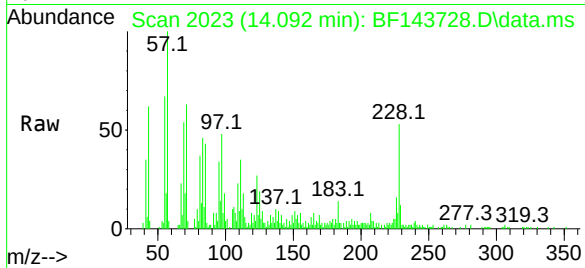
#83
Chrysene
Concen: 2.781 ng m
RT: 14.092 min Scan# 2015
Delta R.T. 0.017 min
Lab File: BF143728.D
Acq: 12 Sep 2025 12:46

Instrument :
BNA_F
ClientSampleId :
LAW-25-0139DL

Tgt Ion:228 Resp: 1218
Ion Ratio Lower Upper
228 100
226 29.1 22.7 34.1
229 23.2 15.1 22.7

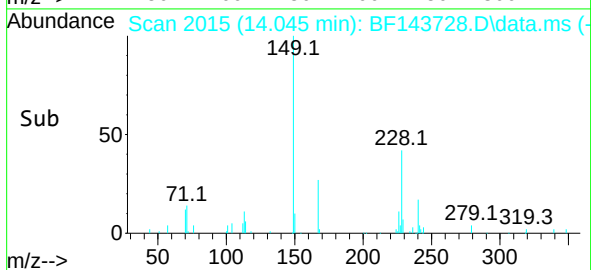
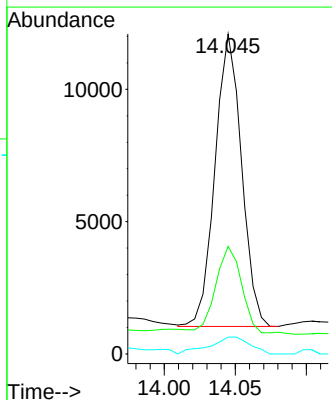
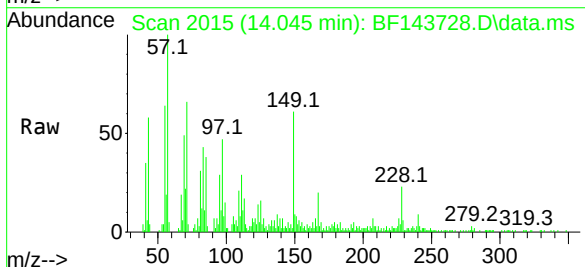
Manual Integrations
APPROVED

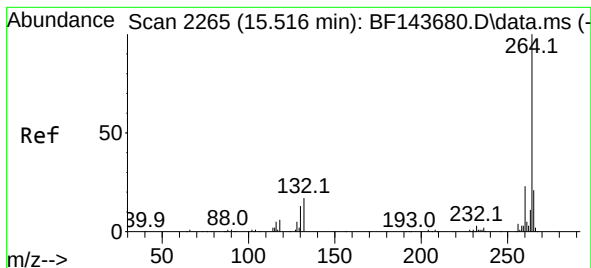
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.385 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.017 min
Lab File: BF143728.D
Acq: 12 Sep 2025 12:46

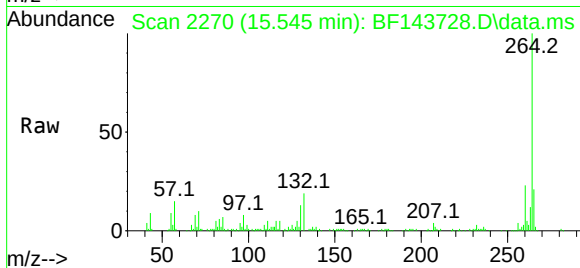
Tgt Ion:149 Resp: 14313
Ion Ratio Lower Upper
149 100
167 33.6 22.2 33.2#
279 5.2 3.5 5.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2196
Delta R.T. 0.029 min
Lab File: BF143728.D
Acq: 12 Sep 2025 12:46

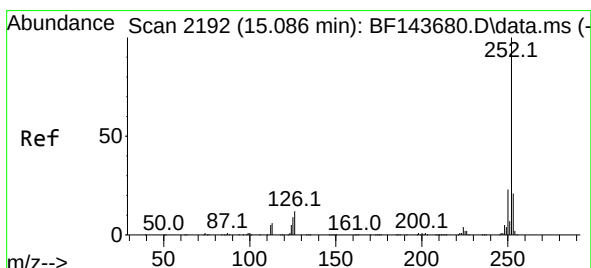
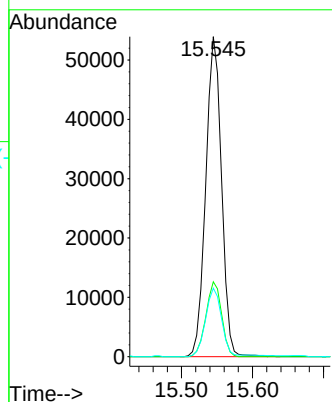
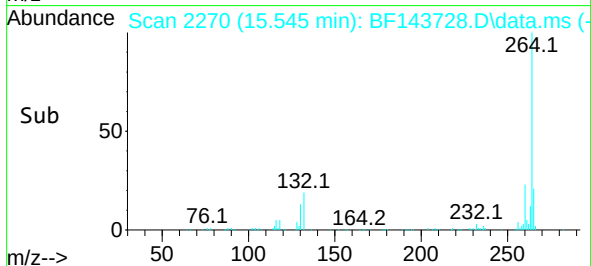
Instrument :
BNA_F
ClientSampleId :
LAW-25-0139DL



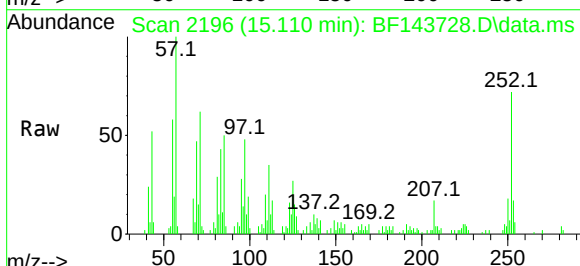
Tgt Ion:264 Resp: 83360
Ion Ratio Lower Upper
264 100
260 23.4 18.4 27.6
265 21.4 17.1 25.7

Manual Integrations
APPROVED

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



#88
Benzo(b)fluoranthene
Concen: 2.923 ng m
RT: 15.110 min Scan# 2196
Delta R.T. 0.023 min
Lab File: BF143728.D
Acq: 12 Sep 2025 12:46



Tgt Ion:252 Resp: 14506
Ion Ratio Lower Upper
252 100
253 23.9 17.0 25.4
125 37.1 7.4 11.0#

