

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091225\
 Data File : BF143730.D
 Acq On : 12 Sep 2025 13:44
 Operator : RC/JU
 Sample : Q3082-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-29

Manual Integrations
 APPROVED

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

Quant Time: Sep 12 14:16:49 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	32488	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	114381	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	55269	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	81923	20.000	ng	0.00
76) Chrysene-d12	14.063	240	81072	20.000	ng	0.02
86) Perylene-d12	15.545	264	93997	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	142852	75.020	ng	0.01
7) Phenol-d6	6.510	99	159713	68.885	ng	0.00
23) Nitrobenzene-d5	7.451	82	102052	55.496	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	38667	69.422	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	200799	54.882	ng	0.00
79) Terphenyl-d14	13.004	244	188593	37.697	ng	0.01
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	38898	8.618	ng	98
72) Anthracene	11.492	178	10695	2.356	ng	96
75) Fluoranthene	12.633	202	61218	14.774	ng	99
78) Pyrene	12.863	202	56465	8.711	ng	98
81) Benzo(a)anthracene	14.051	228	36546	7.007	ng	96
83) Chrysene	14.086	228	29487m	6.173	ng	
87) Indeno(1,2,3-cd)pyrene	17.033	276	22010	3.431	ng	# 92
88) Benzo(b)fluoranthene	15.104	252	46084m	8.236	ng	
89) Benzo(k)fluoranthene	15.121	252	17174m	3.401	ng	
90) Benzo(a)pyrene	15.474	252	33293	6.773	ng	97
92) Benzo(g,h,i)perylene	17.486	276	22749	4.570	ng	97

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

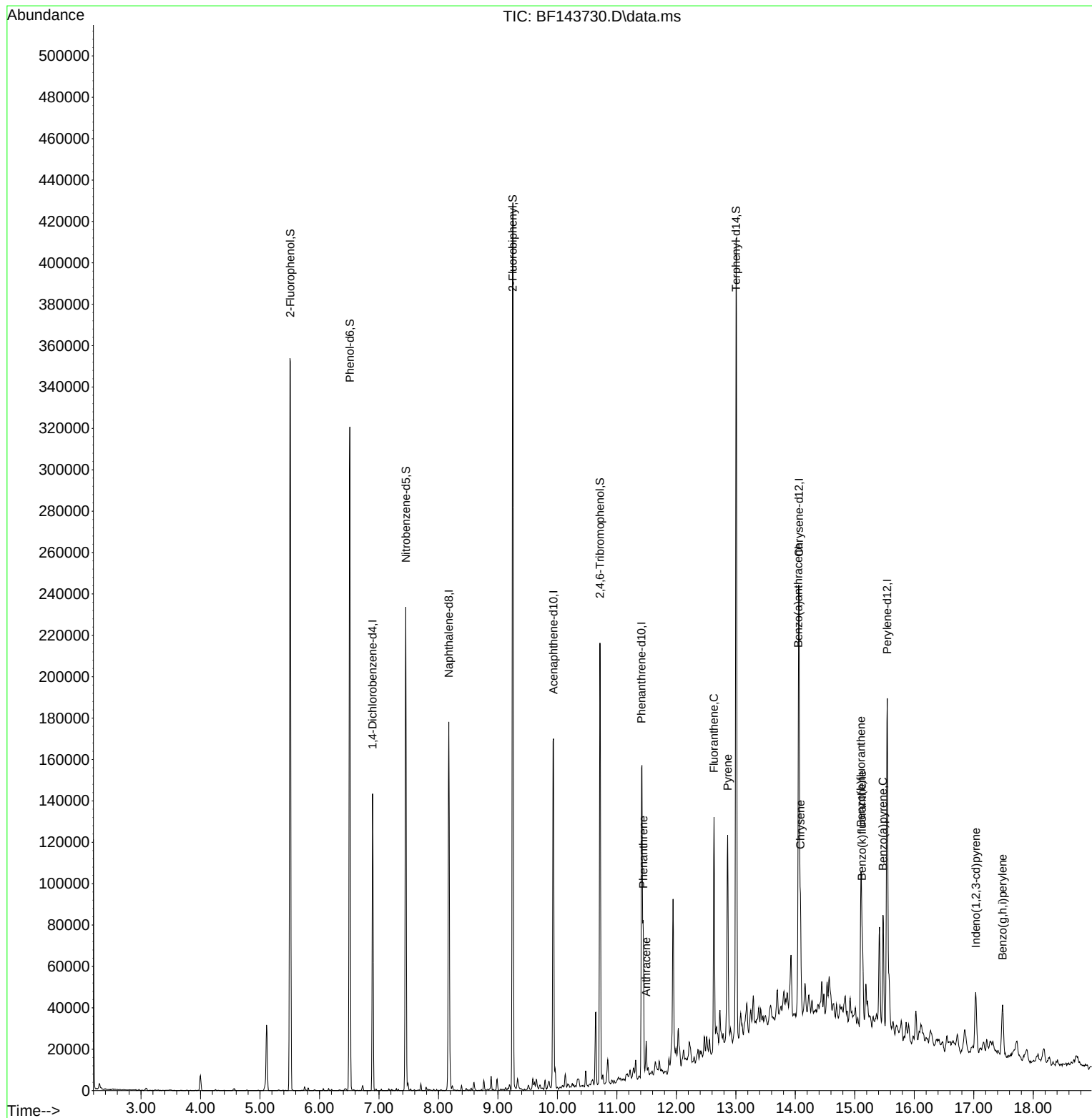
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091225\
Data File : BF143730.D
Acq On : 12 Sep 2025 13:44
Operator : RC/JU
Sample : Q3082-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

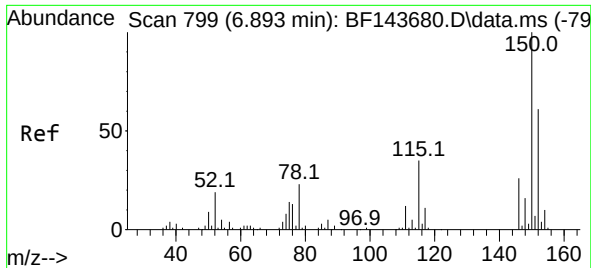
Instrument :
BNA_F
ClientSampleId :
WC-29

Quant Time: Sep 12 14:16:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 09 15:20:16 2025
Response via : Initial Calibration

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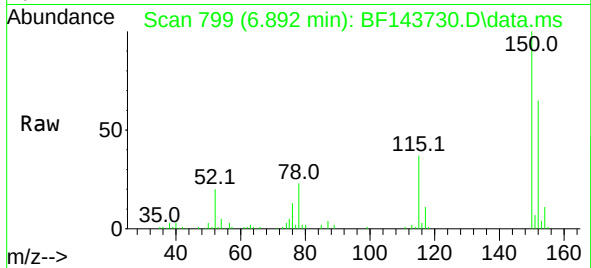
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF143730.D
Acq: 12 Sep 2025 13:44

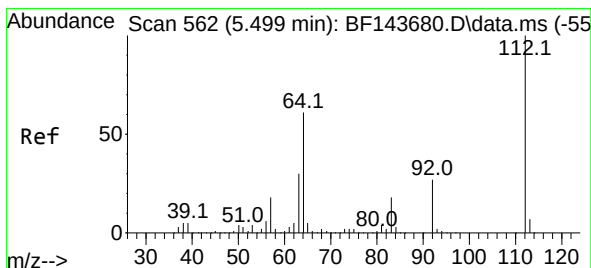
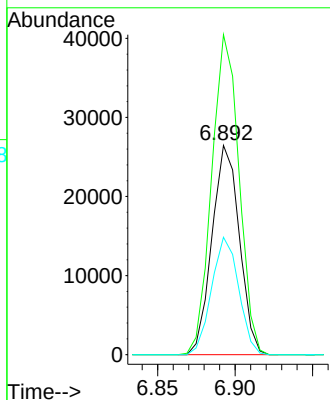
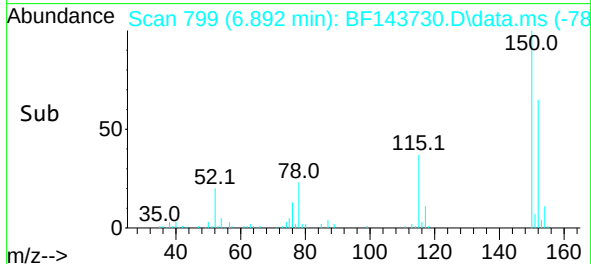
Instrument :
BNA_F
ClientSampleId :
WC-29



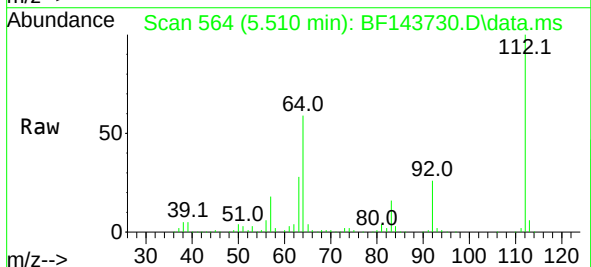
Tgt Ion:152 Resp: 32488
Ion Ratio Lower Upper
152 100
150 152.9 130.7 196.1
115 56.1 45.9 68.9

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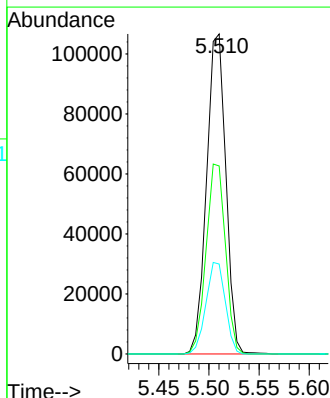
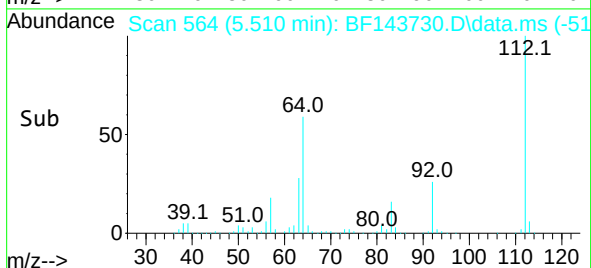
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025

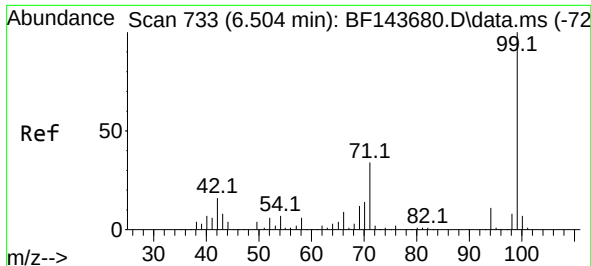


#5
2-Fluorophenol
Concen: 75.020 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.012 min
Lab File: BF143730.D
Acq: 12 Sep 2025 13:44



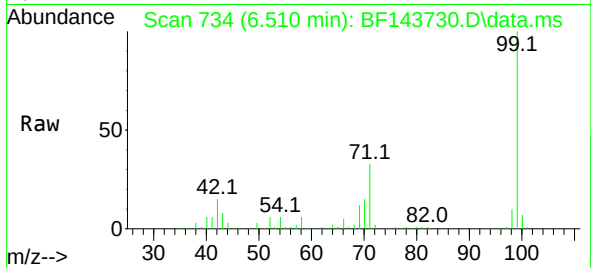
Tgt Ion:112 Resp: 142852
Ion Ratio Lower Upper
112 100
64 58.8 49.0 73.4
63 28.1 24.3 36.5





#7
Phenol-d6
Concen: 68.885 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF143730.D
Acq: 12 Sep 2025 13:44

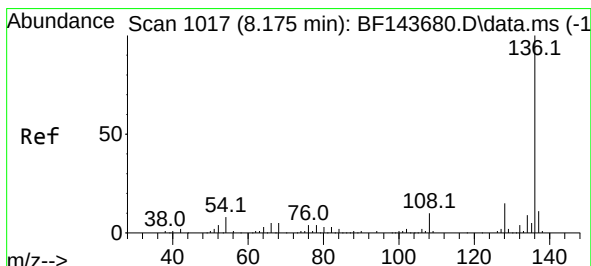
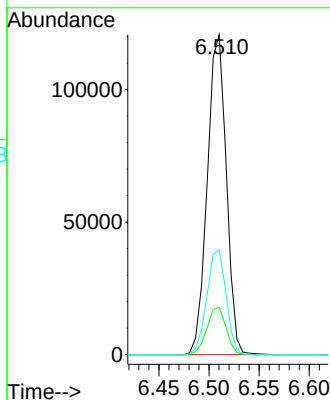
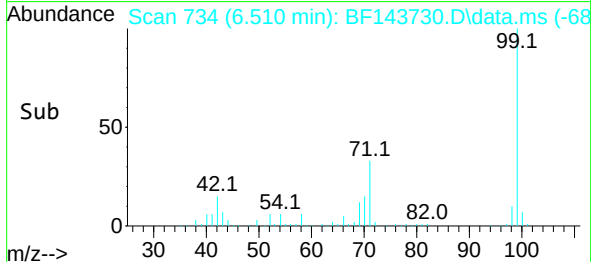
Instrument :
BNA_F
ClientSampleId :
WC-29



Tgt Ion: 99 Resp: 15971
Ion Ratio Lower Upper
99 100
42 14.8 13.0 19.4
71 32.8 27.4 41.2

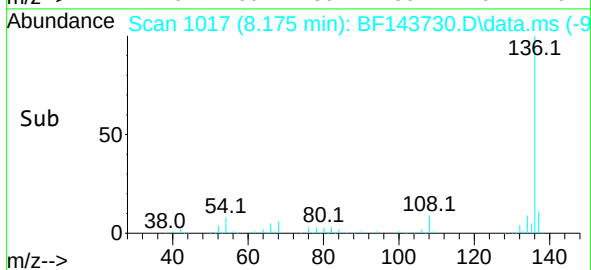
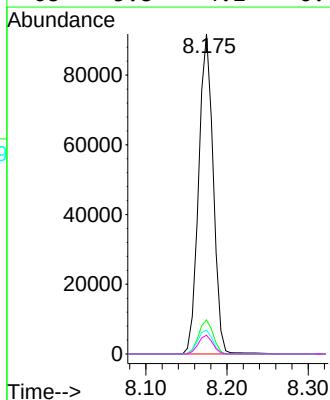
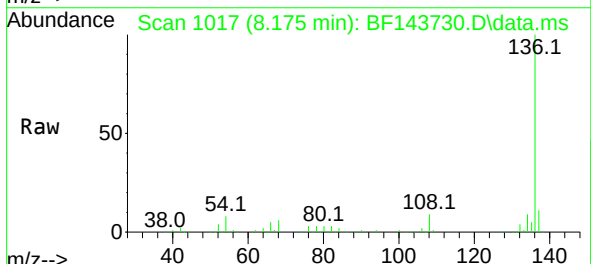
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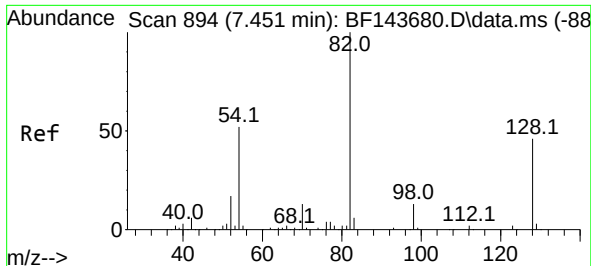
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BF143730.D
Acq: 12 Sep 2025 13:44

Tgt Ion:136 Resp: 114381
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: 55.496 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.000 min

Lab File: BF143730.D

Acq: 12 Sep 2025 13:44

Instrument :

BNA_F

ClientSampleId :

WC-29

Tgt Ion: 82 Resp: 102052

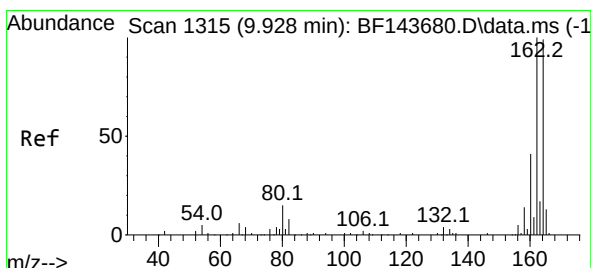
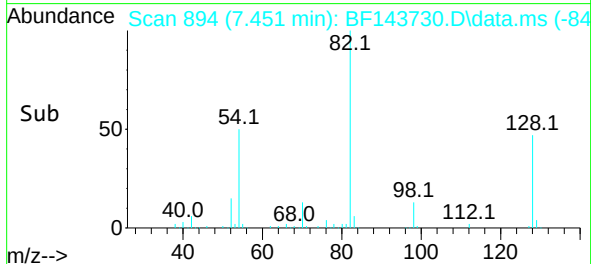
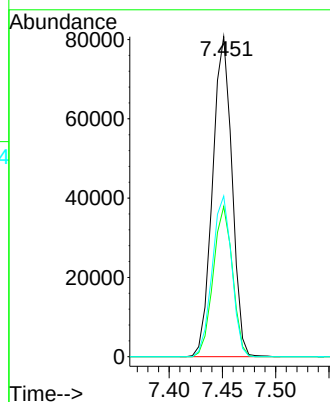
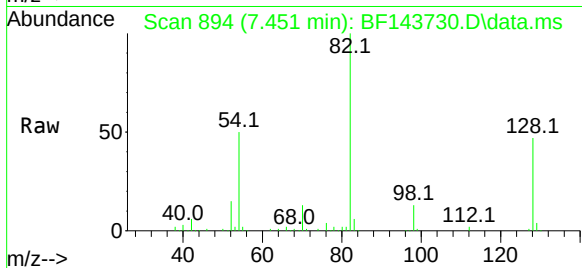
Ion	Ratio	Lower	Upper
82	100		
128	46.9	37.0	55.4
54	50.2	41.8	62.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1316

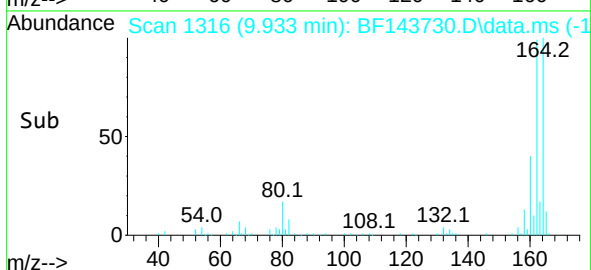
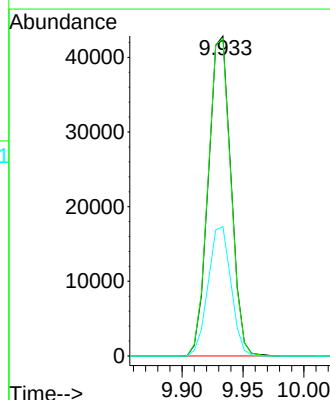
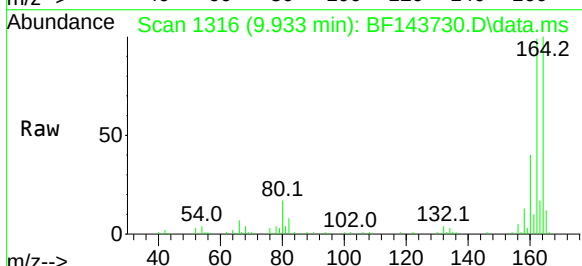
Delta R.T. 0.006 min

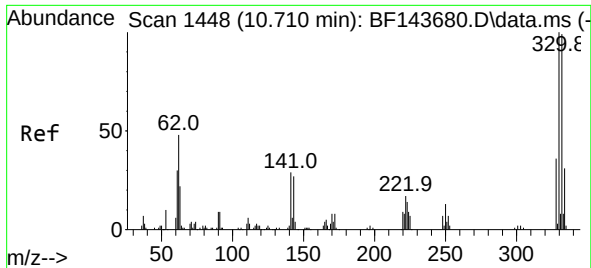
Lab File: BF143730.D

Acq: 12 Sep 2025 13:44

Tgt Ion:164 Resp: 55269

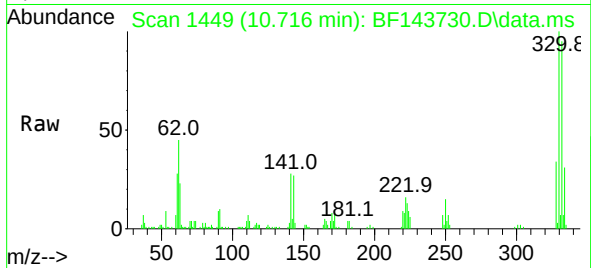
Ion	Ratio	Lower	Upper
164	100		
162	99.1	80.6	121.0
160	40.4	33.0	49.4





#42
2,4,6-Tribromophenol
Concen: 69.422 ng
RT: 10.716 min Scan# 1448
Delta R.T. 0.006 min
Lab File: BF143730.D
Acq: 12 Sep 2025 13:44

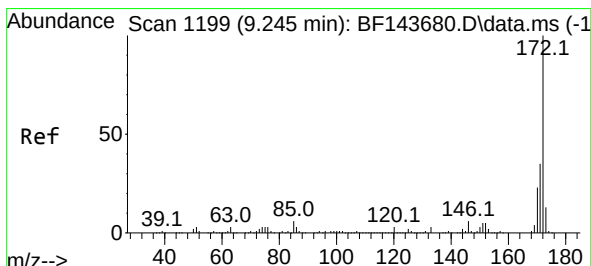
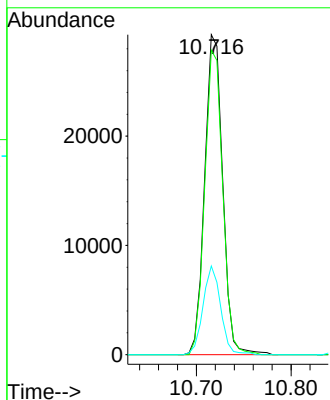
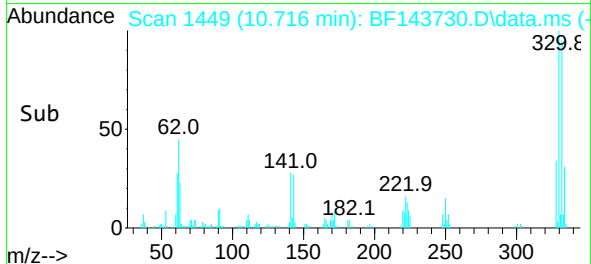
Instrument :
BNA_F
ClientSampleId :
WC-29



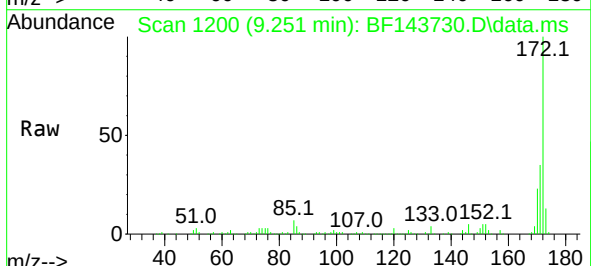
Tgt Ion: 330 Resp: 3866
Ion Ratio Lower Upper
330 100
332 94.8 79.2 118.8
141 27.2 22.2 33.4

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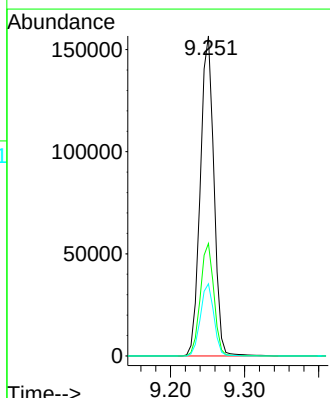
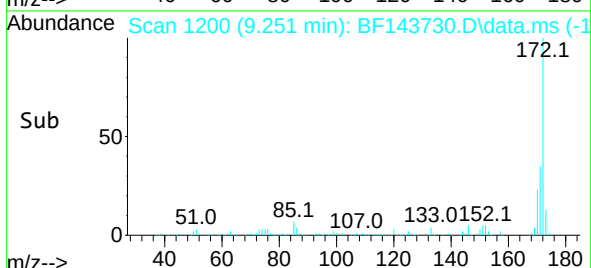
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025

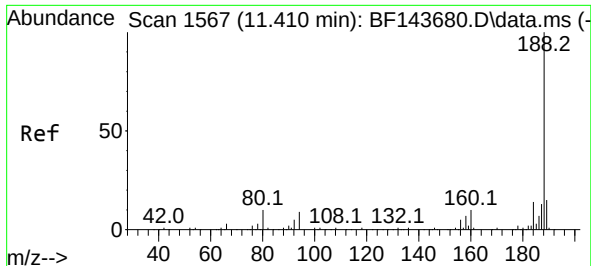


#45
2-Fluorobiphenyl
Concen: 54.882 ng
RT: 9.251 min Scan# 1200
Delta R.T. 0.006 min
Lab File: BF143730.D
Acq: 12 Sep 2025 13:44



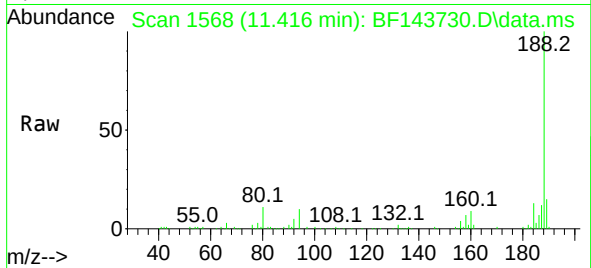
Tgt Ion: 172 Resp: 200799
Ion Ratio Lower Upper
172 100
171 35.1 27.9 41.9
170 22.6 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1567
Delta R.T. 0.006 min
Lab File: BF143730.D
Acq: 12 Sep 2025 13:44

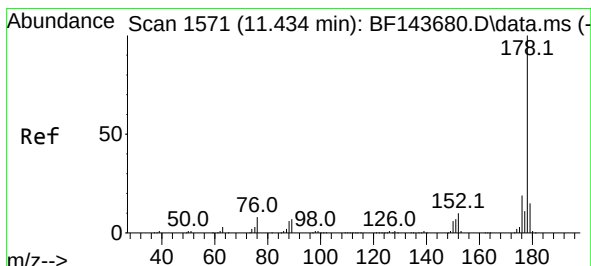
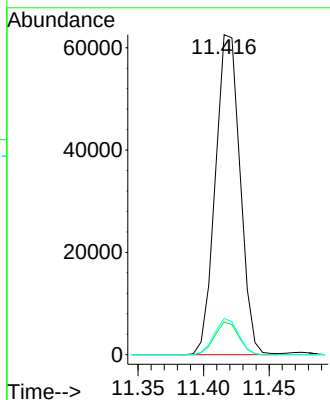
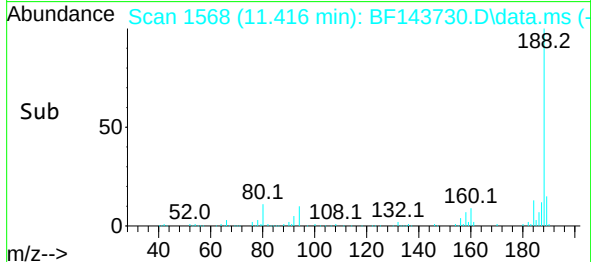
Instrument :
BNA_F
ClientSampleId :
WC-29



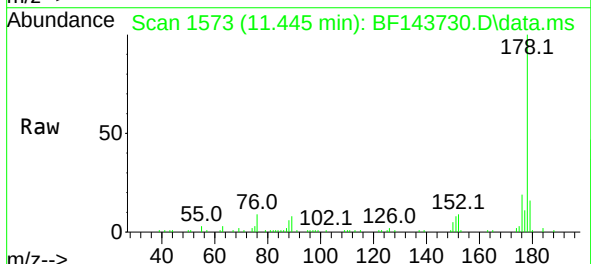
Tgt Ion:188 Resp: 8192
Ion Ratio Lower Upper
188 100
94 10.3 7.4 11.0
80 11.3 7.7 11.5

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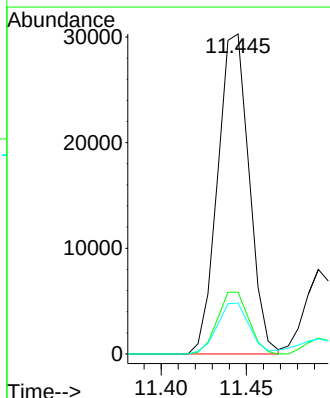
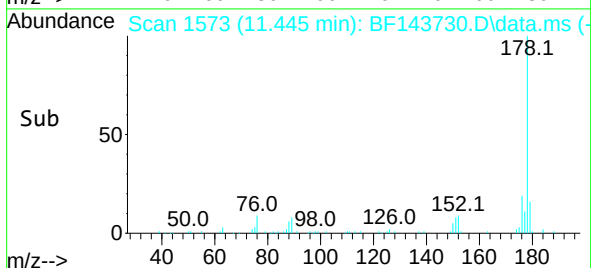
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025

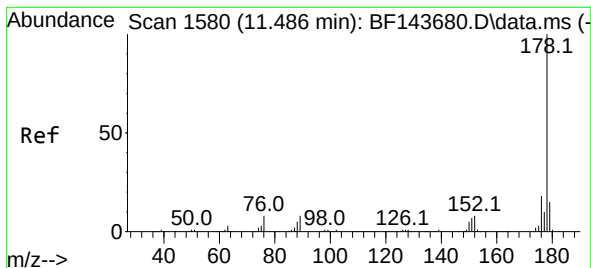


#71
Phenanthrene
Concen: 8.618 ng
RT: 11.445 min Scan# 1573
Delta R.T. 0.012 min
Lab File: BF143730.D
Acq: 12 Sep 2025 13:44



Tgt Ion:178 Resp: 38898
Ion Ratio Lower Upper
178 100
176 19.3 14.8 22.2
179 15.9 12.2 18.2





#72

Anthracene

Concen: 2.356 ng

RT: 11.492 min Scan# 1149

Delta R.T. 0.006 min

Lab File: BF143730.D

Acq: 12 Sep 2025 13:44

Instrument :

BNA_F

ClientSampleId :

WC-29

Tgt Ion:178 Resp: 1069

Ion Ratio Lower Upper

178 100

176 18.7 14.5 21.7

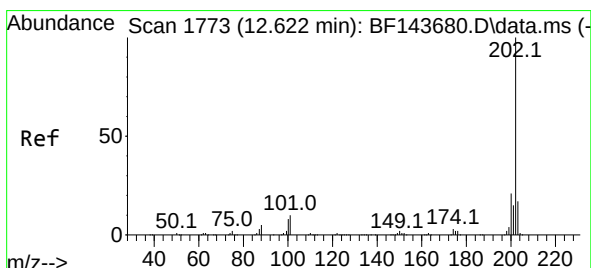
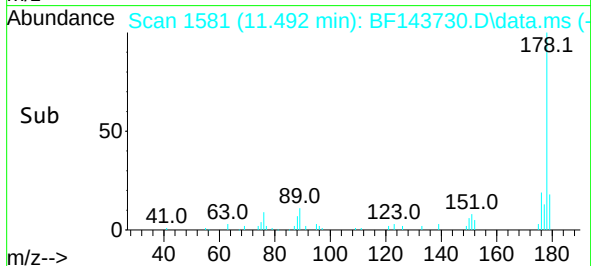
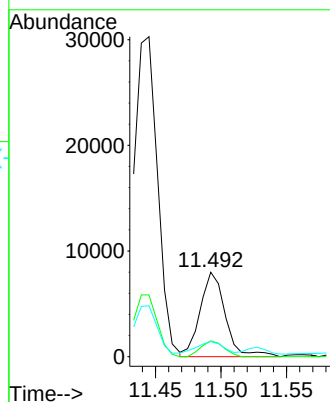
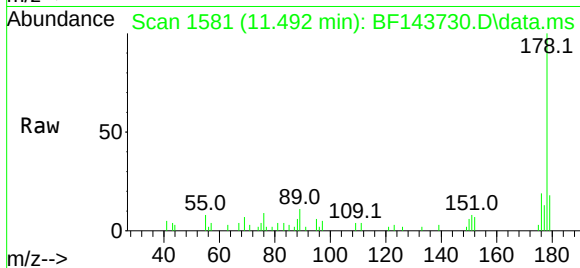
179 17.8 12.2 18.2

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#75

Fluoranthene

Concen: 14.774 ng

RT: 12.633 min Scan# 1775

Delta R.T. 0.012 min

Lab File: BF143730.D

Acq: 12 Sep 2025 13:44

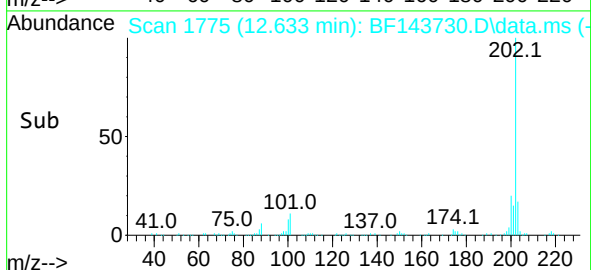
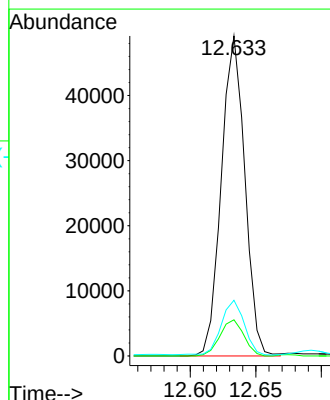
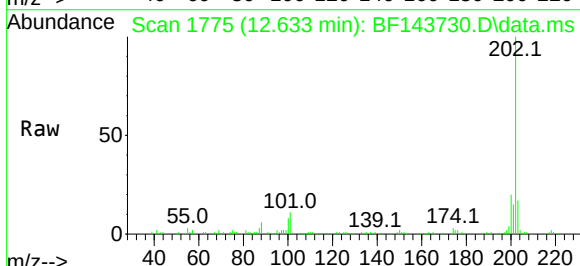
Tgt Ion:202 Resp: 61218

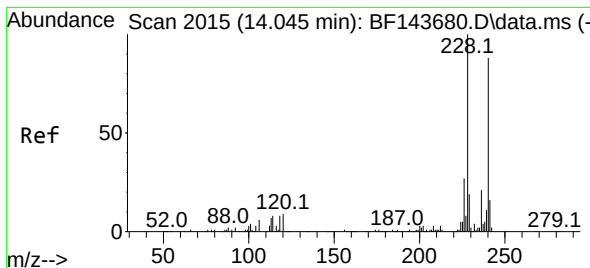
Ion Ratio Lower Upper

202 100

101 11.3 0.0 30.5

203 17.4 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2015

Delta R.T. 0.018 min

Lab File: BF143730.D

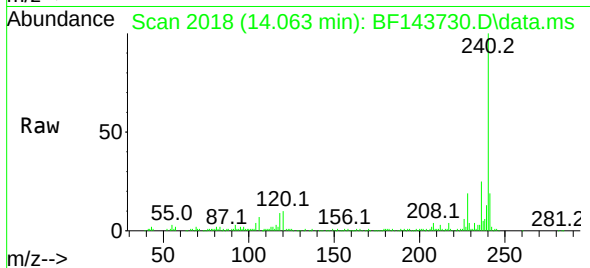
Acq: 12 Sep 2025 13:44

Instrument :

BNA_F

ClientSampleId :

WC-29



Tgt Ion:240 Resp: 81072

Ion Ratio Lower Upper

240 100

120 10.5 8.4 12.6

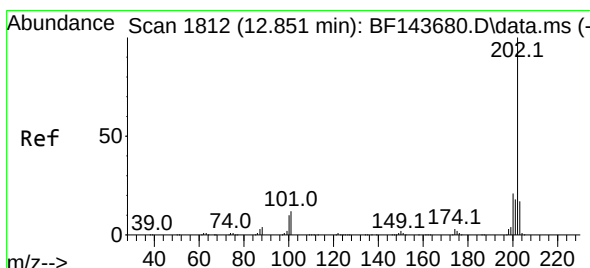
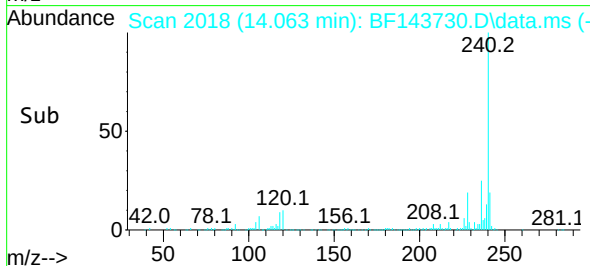
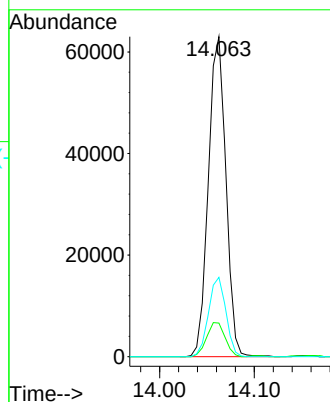
236 24.8 18.6 28.0

Manual Integrations

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Reviewed By :Rahul Chavli 09/15/2025

Supervised By :Jagrut Upadhyay 09/15/2025



#78

Pyrene

Concen: 8.711 ng

RT: 12.863 min Scan# 1814

Delta R.T. 0.012 min

Lab File: BF143730.D

Acq: 12 Sep 2025 13:44

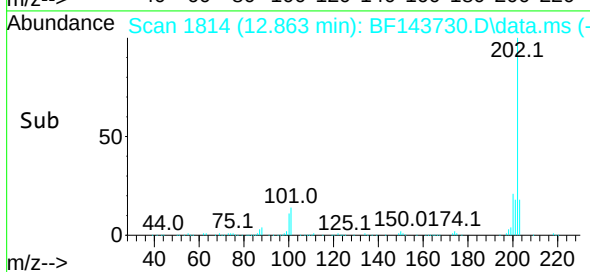
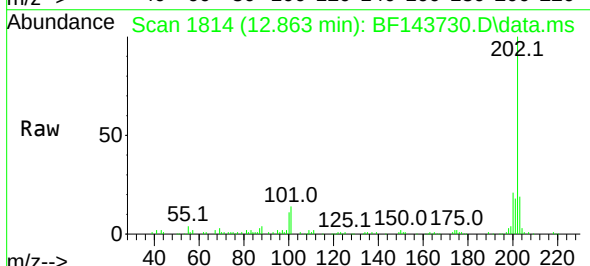
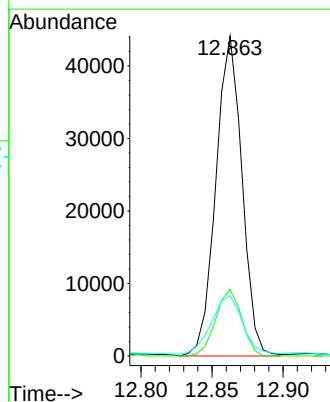
Tgt Ion:202 Resp: 56465

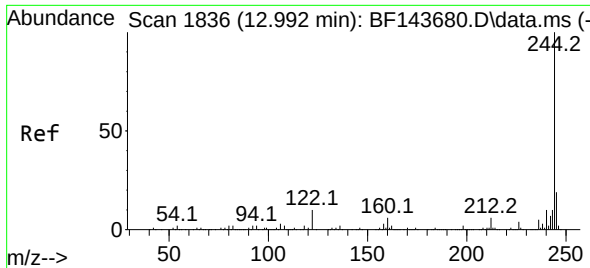
Ion Ratio Lower Upper

202 100

200 20.8 16.6 24.8

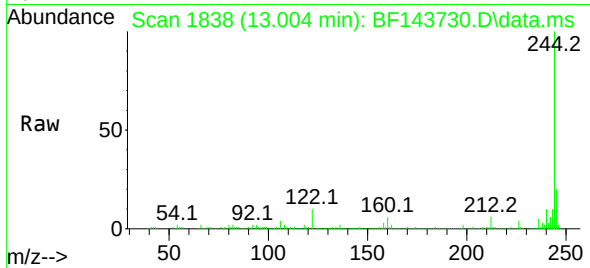
203 18.9 13.5 20.3





#79
 Terphenyl-d14
 Concen: 37.697 ng
 RT: 13.004 min Scan# 1838
 Delta R.T. 0.012 min
 Lab File: BF143730.D
 Acq: 12 Sep 2025 13:44

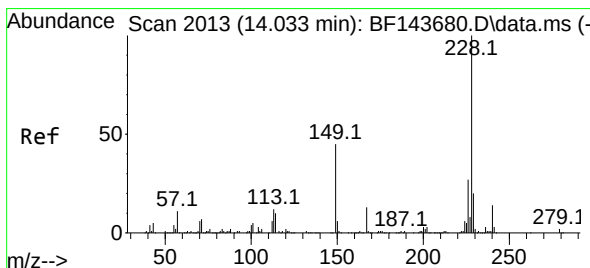
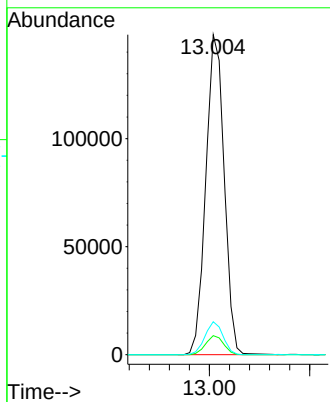
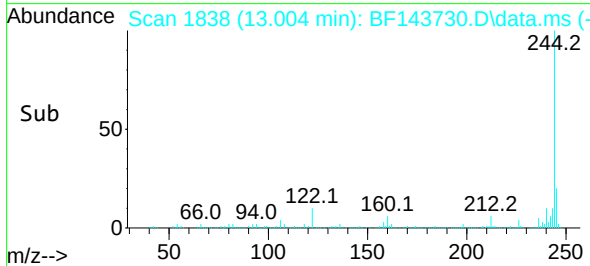
Instrument :
 BNA_F
 ClientSampleId :
 WC-29



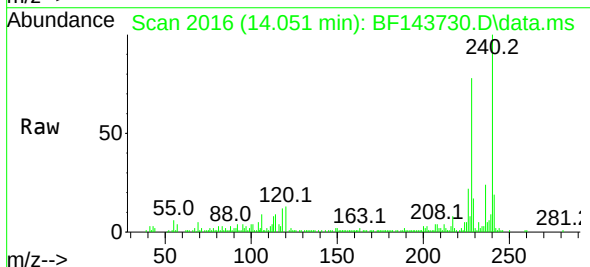
Tgt Ion:244 Resp: 18859
 Ion Ratio Lower Upper
 244 100
 212 5.9 5.0 7.6
 122 10.3 7.9 11.9

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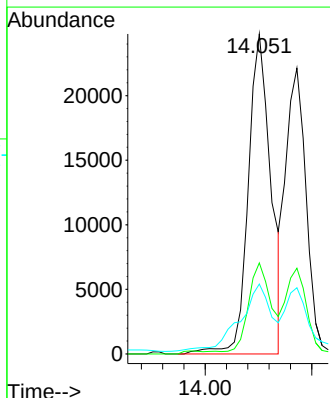
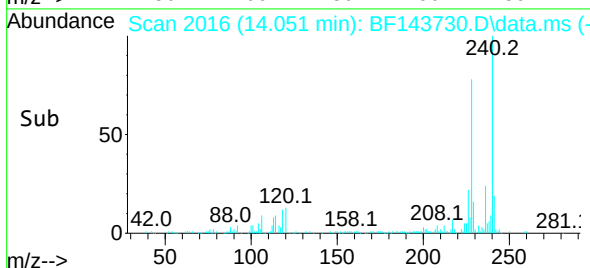
Reviewed By :Rahul Chavli 09/15/2025
 Supervised By :Jagrut Upadhyay 09/15/2025

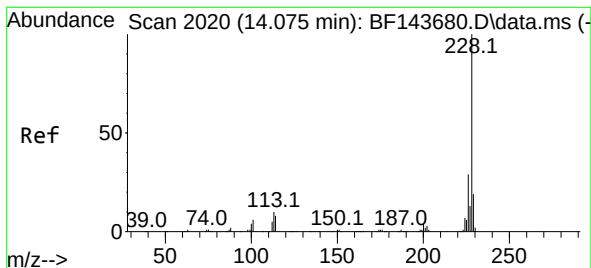


#81
 Benzo(a)anthracene
 Concen: 7.007 ng
 RT: 14.051 min Scan# 2016
 Delta R.T. 0.018 min
 Lab File: BF143730.D
 Acq: 12 Sep 2025 13:44



Tgt Ion:228 Resp: 36546
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.6 32.4
 229 21.8 15.7 23.5





#83

Chrysene

Concen: 6.173 ng m

RT: 14.086 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF143730.D

Acq: 12 Sep 2025 13:44

Instrument :

BNA_F

ClientSampleId :

WC-29

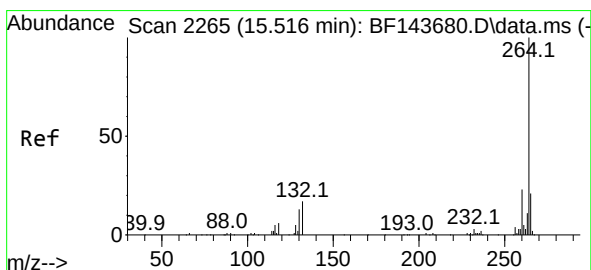
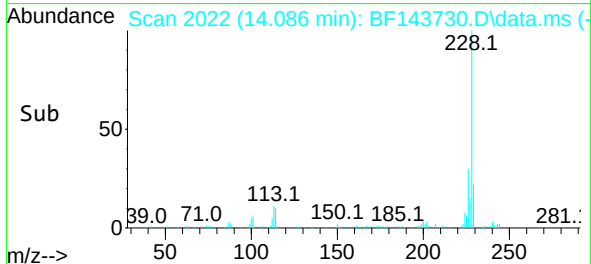
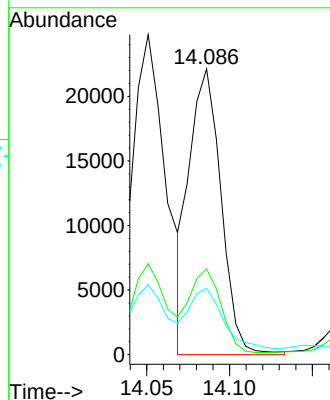
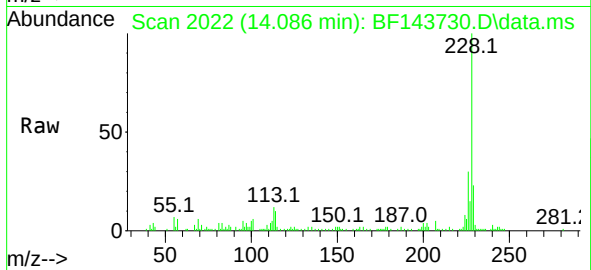
Tgt Ion:228	Resp:	2948
Ion Ratio	Lower	Upper
228	100	
226	30.0	22.7 34.1
229	23.2	15.1 22.7

Manual Integrations

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Reviewed By :Rahul Chavli 09/15/2025

Supervised By :Jagrut Upadhyay 09/15/2025



#86

Perylene-d12

Concen: 20.000 ng

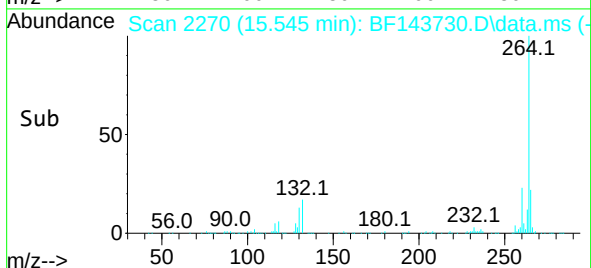
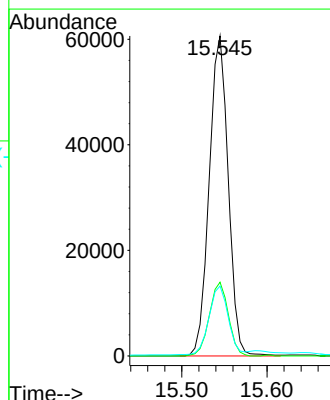
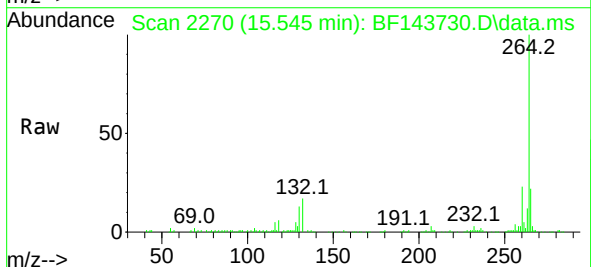
RT: 15.545 min Scan# 2270

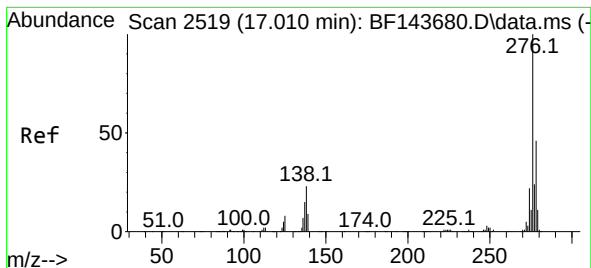
Delta R.T. 0.029 min

Lab File: BF143730.D

Acq: 12 Sep 2025 13:44

Tgt Ion:264	Resp:	93997
Ion Ratio	Lower	Upper
264	100	
260	23.1	18.4 27.6
265	21.9	17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.431 ng

RT: 17.033 min Scan# 2195

Delta R.T. 0.023 min

Lab File: BF143730.D

Acq: 12 Sep 2025 13:44

Instrument :

BNA_F

ClientSampleId :

WC-29

Tgt Ion:276 Resp: 22010

Ion Ratio Lower Upper

276 100

138 29.9 19.7 29.5

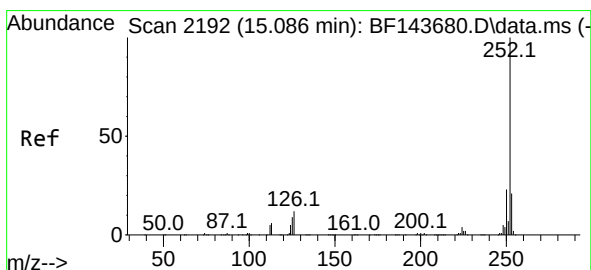
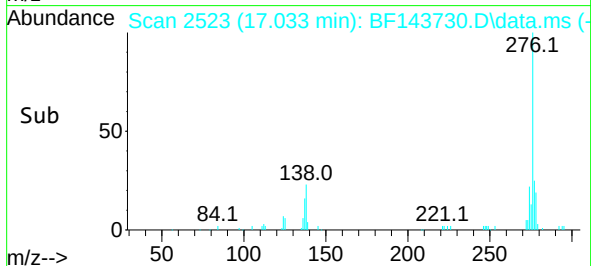
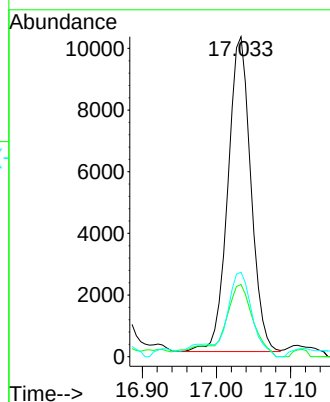
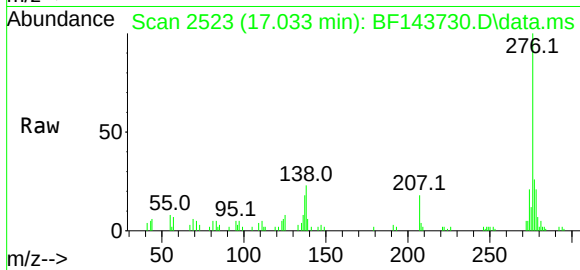
277 27.6 20.2 30.2

Manual Integrations

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Reviewed By :Rahul Chavli 09/15/2025

Supervised By :Jagrut Upadhyay 09/15/2025



#88

Benzo(b)fluoranthene

Concen: 8.236 ng m

RT: 15.104 min Scan# 2195

Delta R.T. 0.017 min

Lab File: BF143730.D

Acq: 12 Sep 2025 13:44

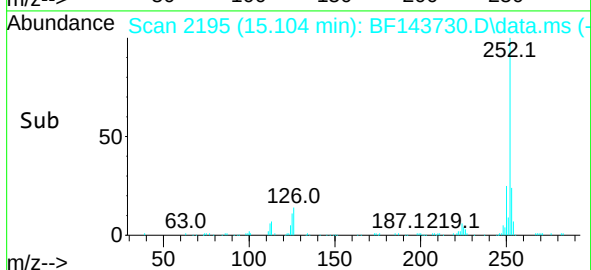
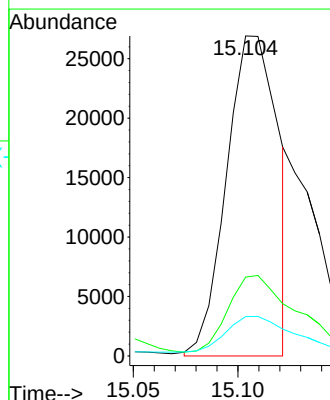
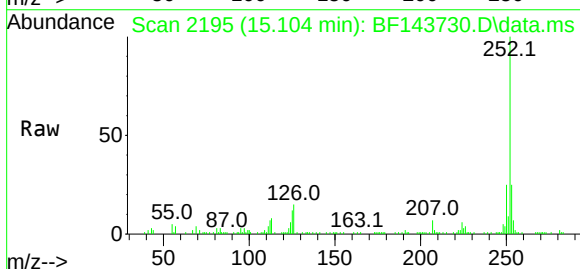
Tgt Ion:252 Resp: 46084

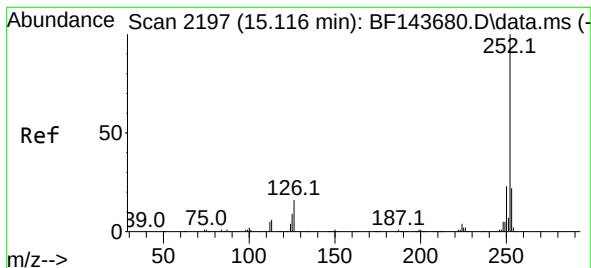
Ion Ratio Lower Upper

252 100

253 24.7 17.0 25.4

125 12.3 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 3.401 ng m

RT: 15.121 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143730.D

Acq: 12 Sep 2025 13:44

Instrument :

BNA_F

ClientSampleId :

WC-29

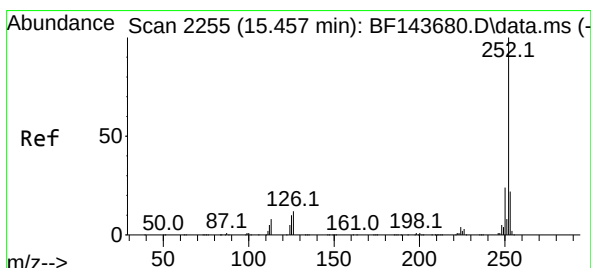
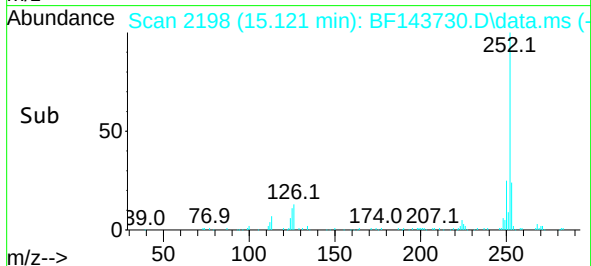
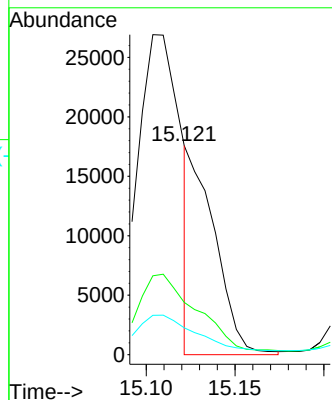
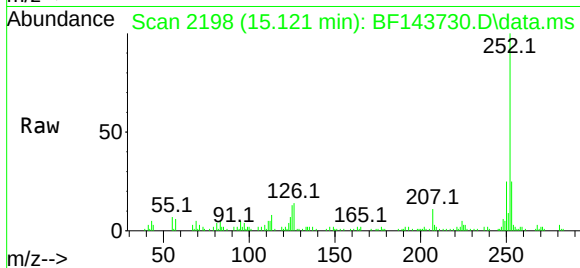
Tgt Ion:252	Resp:	17174
Ion Ratio	Lower	Upper
252	100	
253	25.0	17.3 25.9
125	12.8	7.3 10.9

Manual Integrations

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Reviewed By :Rahul Chavli 09/15/2025

Supervised By :Jagrut Upadhyay 09/15/2025



#90

Benzo(a)pyrene

Concen: 6.773 ng

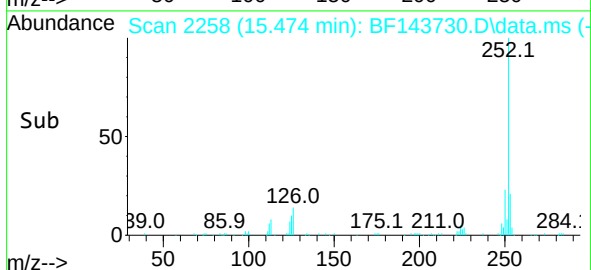
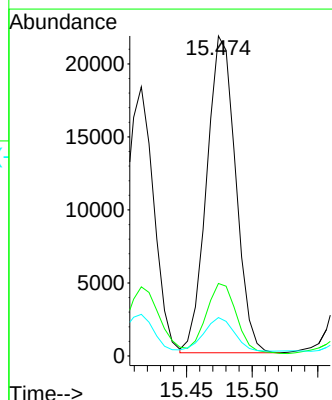
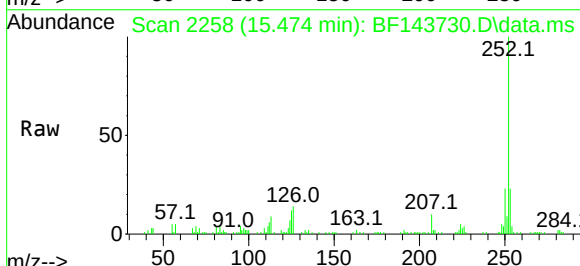
RT: 15.474 min Scan# 2258

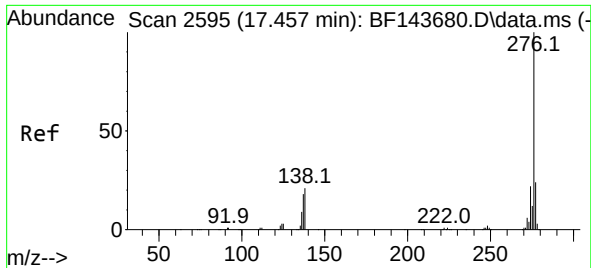
Delta R.T. 0.017 min

Lab File: BF143730.D

Acq: 12 Sep 2025 13:44

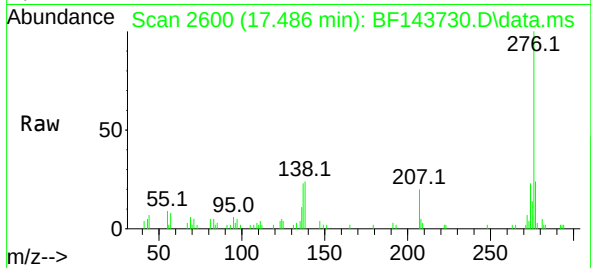
Tgt Ion:252	Resp:	33293
Ion Ratio	Lower	Upper
252	100	
253	22.6	17.4 26.0
125	12.0	8.2 12.4





#92
Benzo(g,h,i)perylene
Concen: 4.570 ng
RT: 17.486 min Scan# 20
Delta R.T. 0.029 min
Lab File: BF143730.D
Acq: 12 Sep 2025 13:44

Instrument :
BNA_F
ClientSampleId :
WC-29



Tgt Ion:	276	Resp:	22749
Ion Ratio	Lower	Upper	
276	100		
277	24.2	19.2	28.8
138	23.5	17.0	25.4

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

