

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
 Data File : BF143812.D
 Acq On : 25 Sep 2025 19:21
 Operator : RC/JU
 Sample : Q3183-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/26/2025
 Supervised By :Jagrut Upadhyay 09/26/2025

Quant Time: Sep 25 23:24:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	123670	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	420962	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	186913	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	296568	20.000	ng	0.00
76) Chrysene-d12	14.057	240	462477	20.000	ng	0.00
86) Perylene-d12	15.533	264	609932	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	637711	83.779	ng	0.00
7) Phenol-d6	6.498	99	748010	85.049	ng	-0.01
23) Nitrobenzene-d5	7.439	82	424906	61.785	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	256090	92.533	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	740872	61.854	ng	0.00
79) Terphenyl-d14	12.998	244	1101657	48.445	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	79499	5.221	ng	100
75) Fluoranthene	12.627	202	281769	18.400	ng	99
78) Pyrene	12.857	202	267391	11.760	ng	99
81) Benzo(a)anthracene	14.045	228	237023	9.540	ng	95
83) Chrysene	14.080	228	197754	8.796	ng	97
87) Indeno(1,2,3-cd)pyrene	17.015	276	155645	3.363	ng	98
88) Benzo(b)fluoranthene	15.104	252	439803m	14.159	ng	
89) Benzo(k)fluoranthene	15.115	252	160764m	5.152	ng	
90) Benzo(a)pyrene	15.468	252	275059	9.421	ng	97
92) Benzo(g,h,i)perylene	17.468	276	136209	3.733	ng	99

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

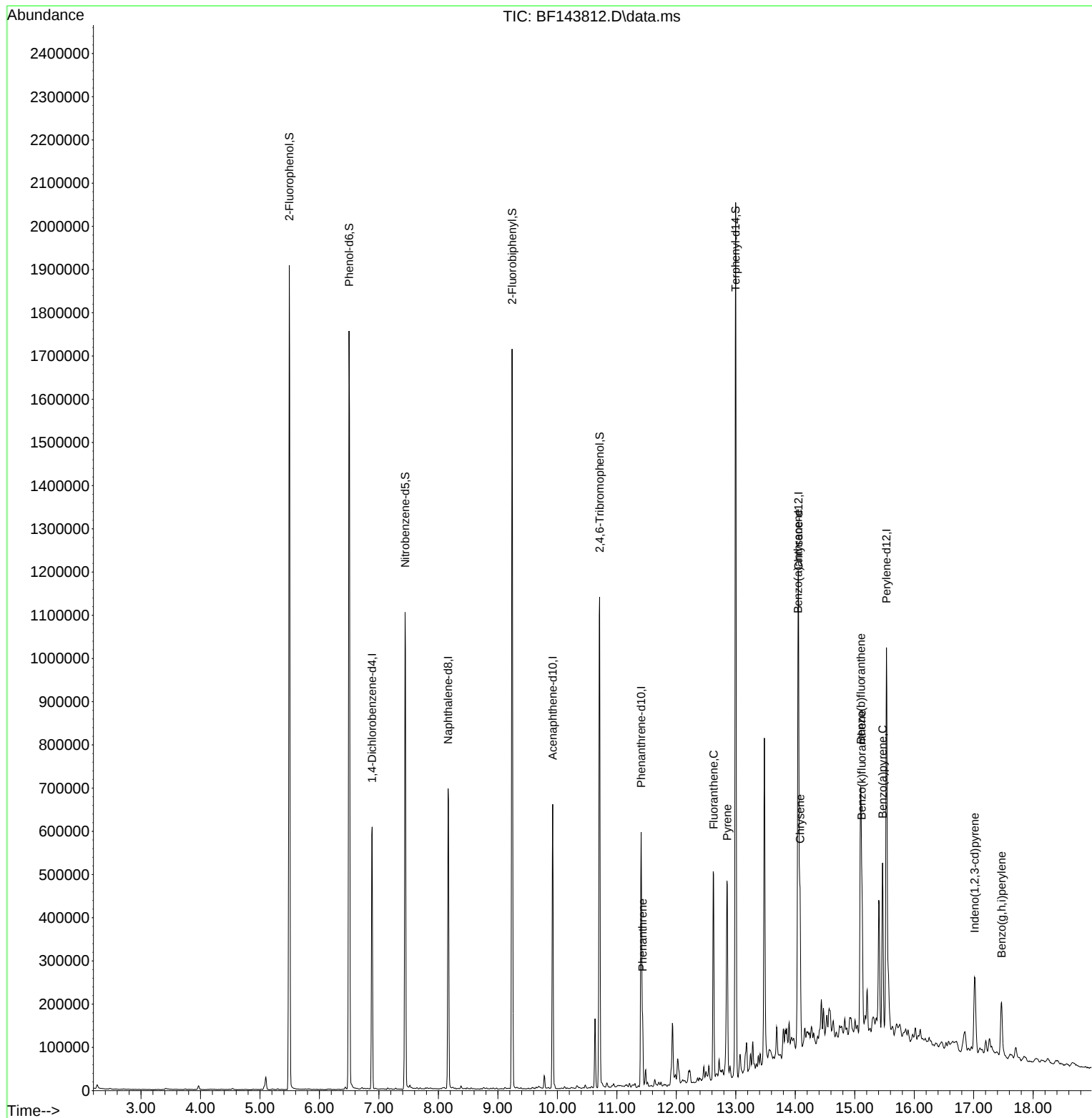
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
Data File : BF143812.D
Acq On : 25 Sep 2025 19:21
Operator : RC/JU
Sample : Q3183-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

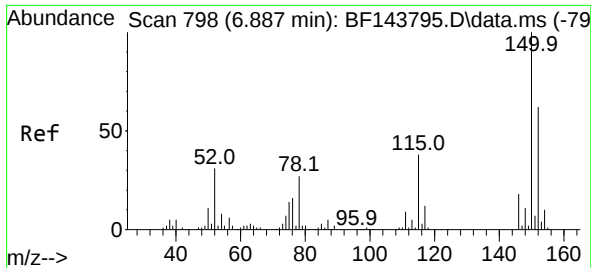
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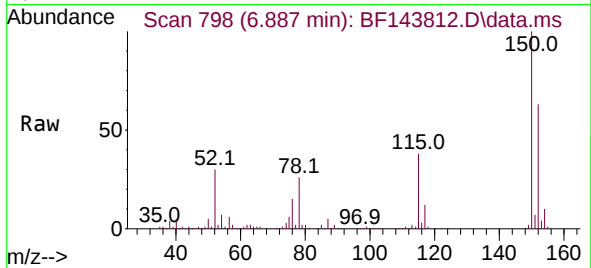
Quant Time: Sep 25 23:24:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 05:00:00 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF143812.D
Acq: 25 Sep 2025 19:21

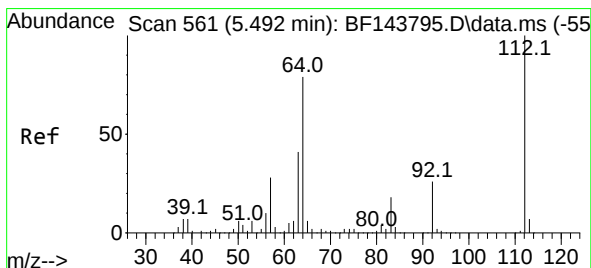
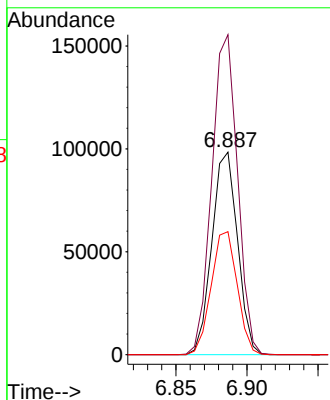
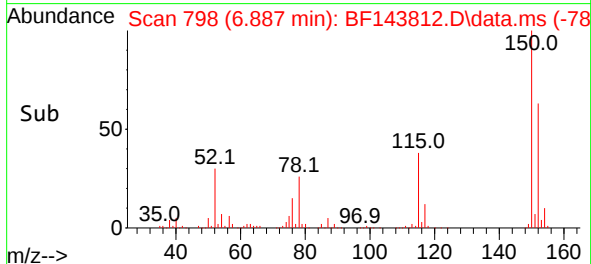
Instrument :
BNA_F
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WC-3



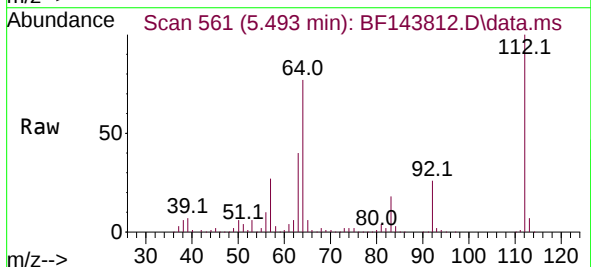
Tgt Ion:152 Resp: 123670
Ion Ratio Lower Upper
152 100
150 158.0 129.6 194.4
115 60.7 49.0 73.4

Manual Integrations
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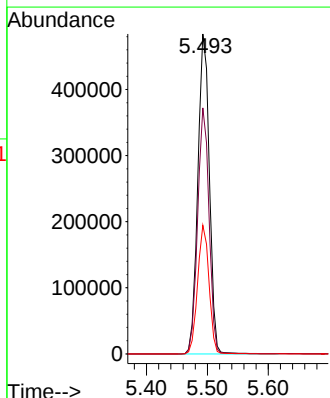
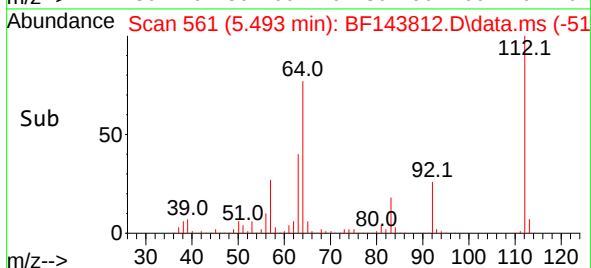
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

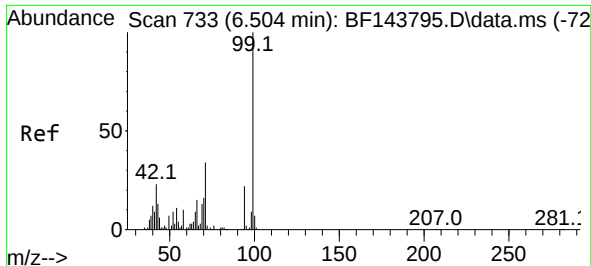


#5
2-Fluorophenol
Concen: 83.779 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.005 min
Lab File: BF143812.D
Acq: 25 Sep 2025 19:21



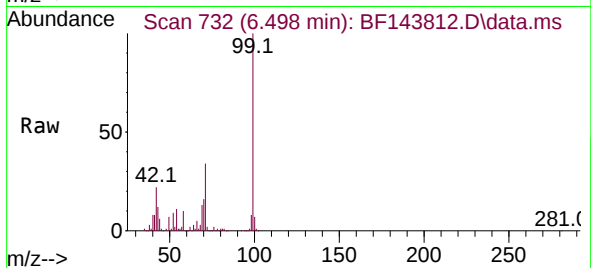
Tgt Ion:112 Resp: 637711
Ion Ratio Lower Upper
112 100
64 76.9 63.0 94.4
63 40.2 32.6 49.0





#7
Phenol-d6
Concen: 85.049 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.012 min
Lab File: BF143812.D
Acq: 25 Sep 2025 19:21

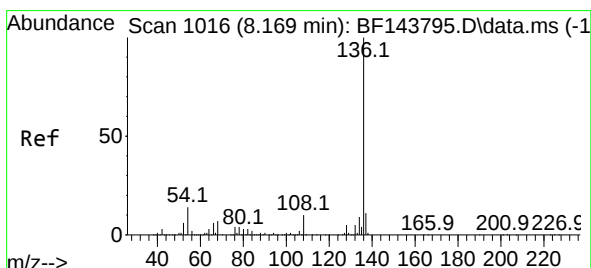
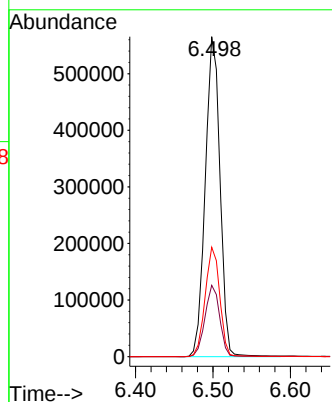
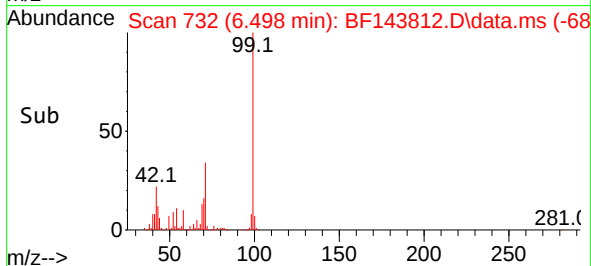
Instrument :
BNA_F
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WC-3



Tgt Ion: 99 Resp: 748010
Ion Ratio Lower Upper
99 100
42 22.3 18.6 28.0
71 34.2 27.0 40.4

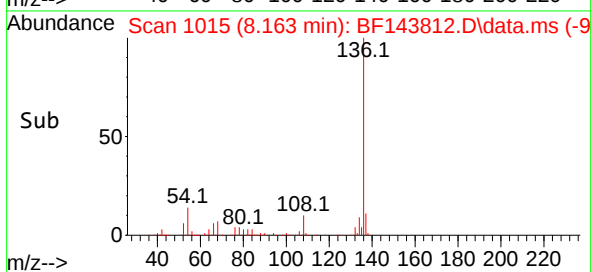
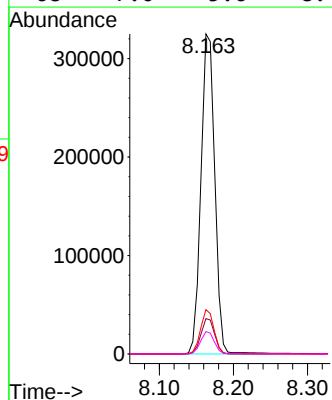
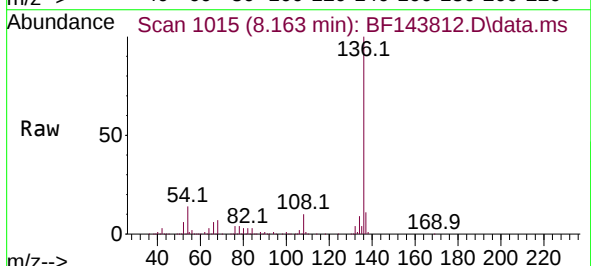
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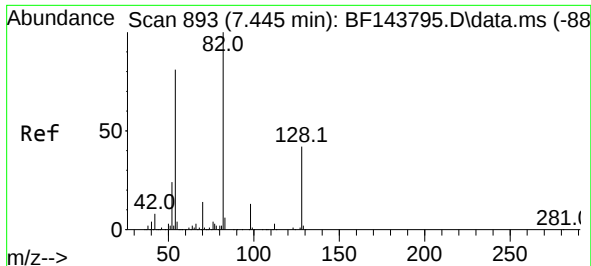
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143812.D
Acq: 25 Sep 2025 19:21

Tgt Ion:136 Resp: 420962
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 13.8 11.2 16.8
68 7.0 5.6 8.4





#23

Nitrobenzene-d5

Concen: 61.785 ng

RT: 7.439 min Scan# 893

Delta R.T. -0.011 min

Lab File: BF143812.D

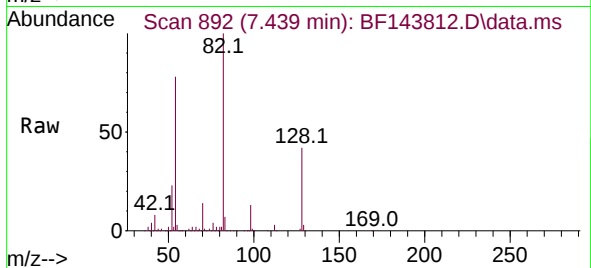
Acq: 25 Sep 2025 19:21

Instrument :

BNA_F

ClientSampleId :

WC-3



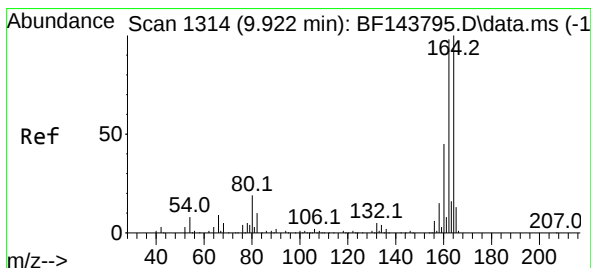
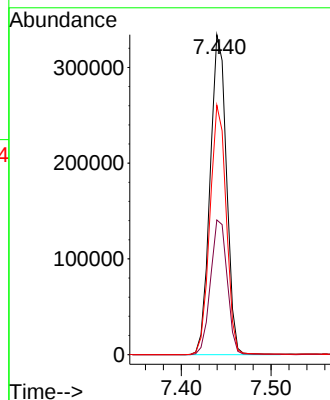
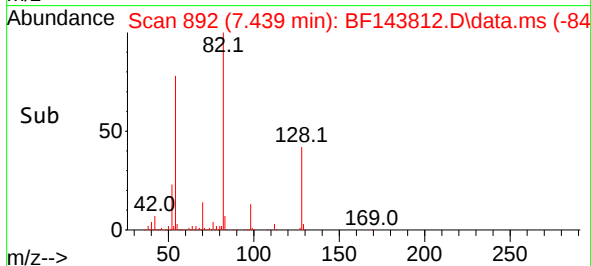
Tgt Ion:	82	Resp:	424900
Ion	Ratio	Lower	Upper
82	100		
128	42.1	33.3	49.9
54	77.9	64.2	96.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

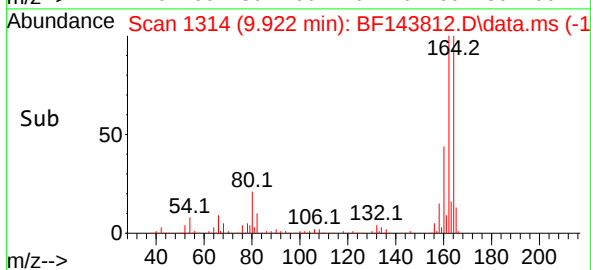
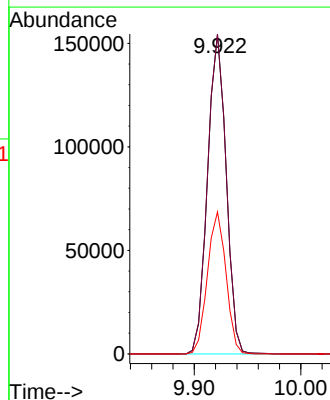
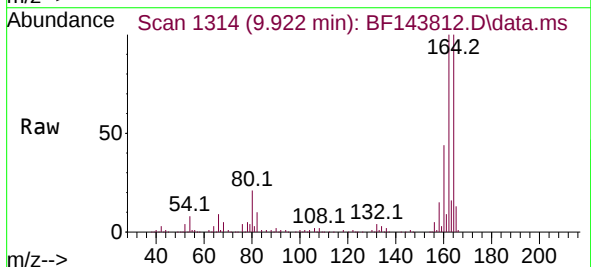
RT: 9.922 min Scan# 1314

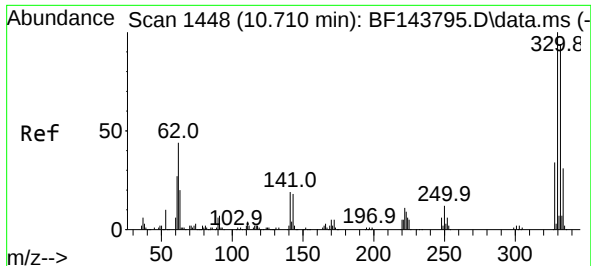
Delta R.T. -0.006 min

Lab File: BF143812.D

Acq: 25 Sep 2025 19:21

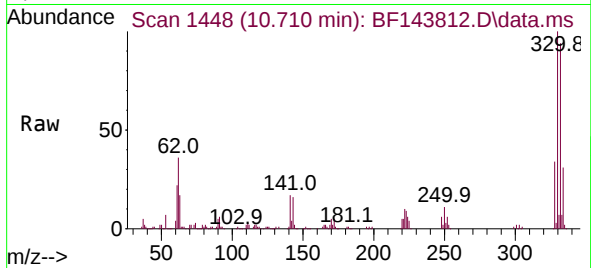
Tgt Ion:	164	Resp:	186913
Ion	Ratio	Lower	Upper
164	100		
162	100.1	78.8	118.2
160	44.4	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 92.533 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143812.D
Acq: 25 Sep 2025 19:21

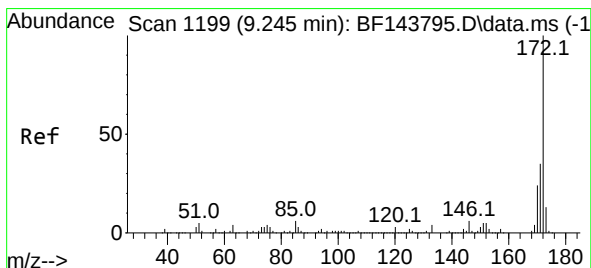
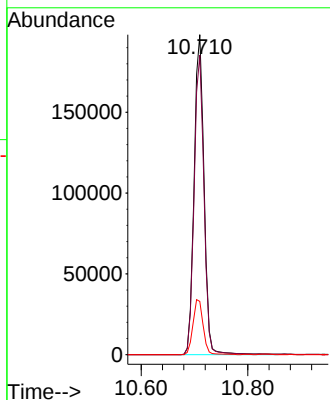
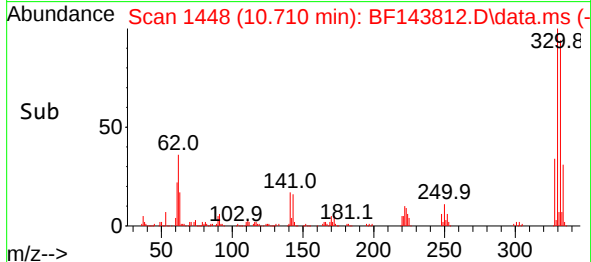
Instrument :
BNA_F
ClientSampleId :
WC-3



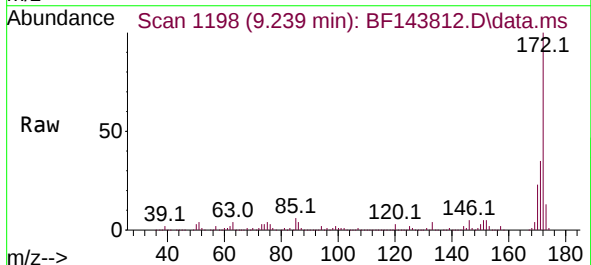
Tgt Ion: 330 Resp: 256090
Ion Ratio Lower Upper
330 100
332 93.5 74.7 112.1
141 17.6 14.3 21.5

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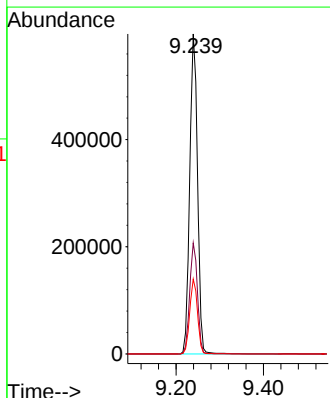
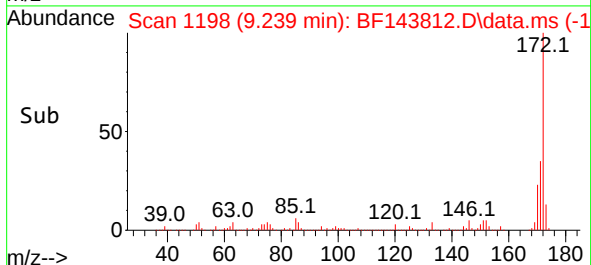
Reviewed By :Rahul Chavli 09/26/2025
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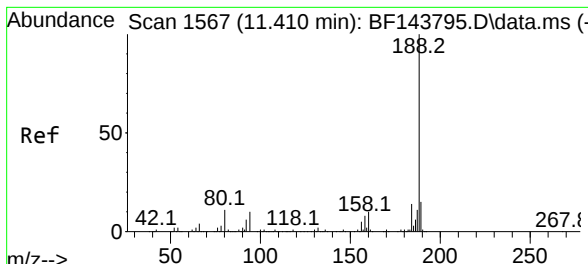


#45
2-Fluorobiphenyl
Concen: 61.854 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF143812.D
Acq: 25 Sep 2025 19:21



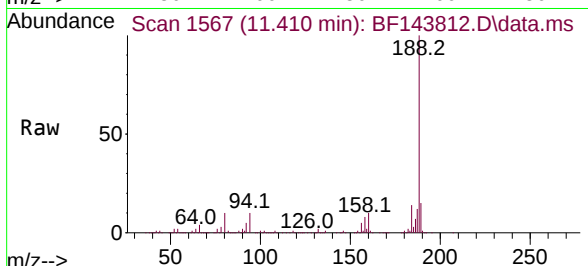
Tgt Ion: 172 Resp: 740872
Ion Ratio Lower Upper
172 100
171 34.7 27.9 41.9
170 23.4 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143812.D
Acq: 25 Sep 2025 19:21

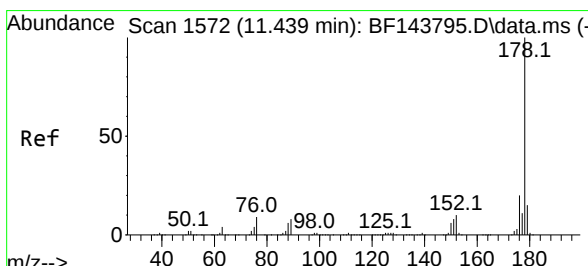
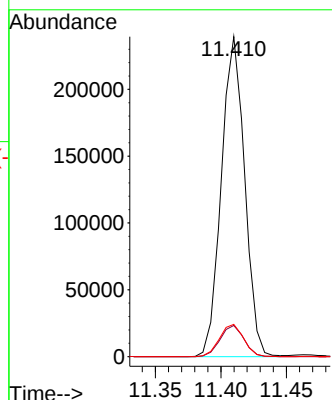
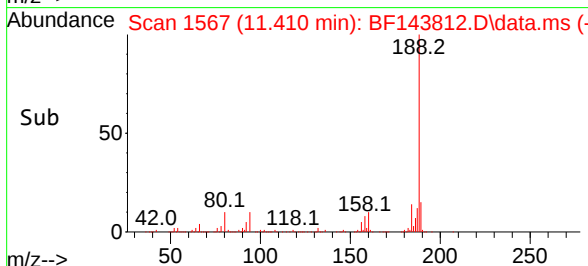
Instrument :
BNA_F
ClientSampleId :
WC-3



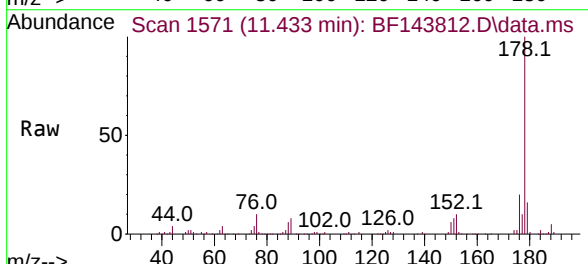
Tgt Ion:188 Resp: 296568
Ion Ratio Lower Upper
188 100
94 9.7 8.2 12.2
80 10.1 8.6 12.8

Manual Integrations
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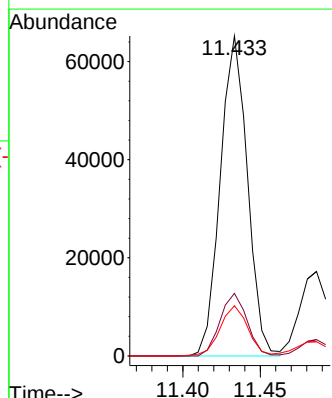
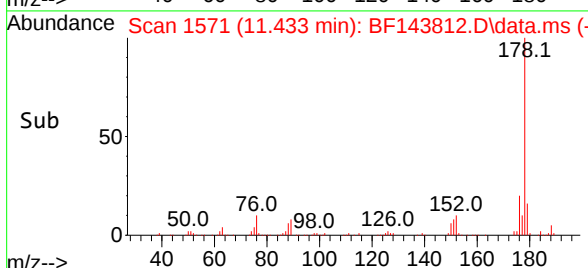
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

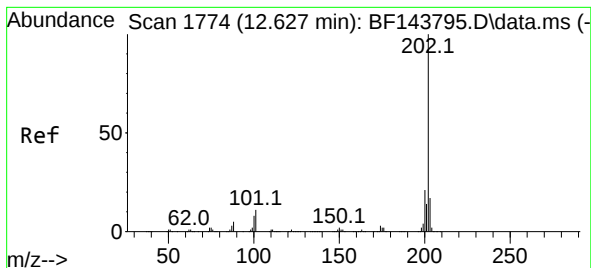


#71
Phenanthrene
Concen: 5.221 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF143812.D
Acq: 25 Sep 2025 19:21



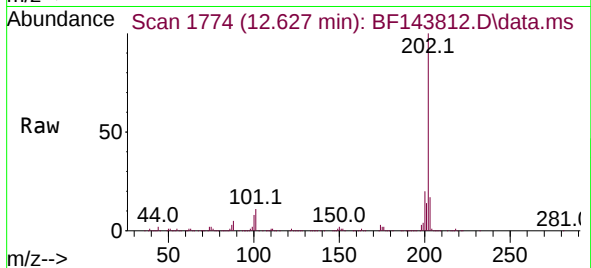
Tgt Ion:178 Resp: 79499
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.7 12.2 18.4





#75
Fluoranthene
Concen: 18.400 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF143812.D
Acq: 25 Sep 2025 19:21

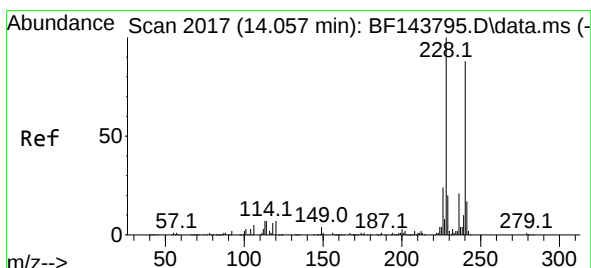
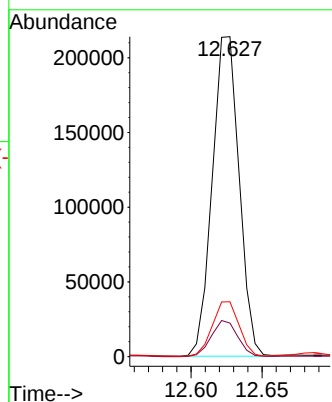
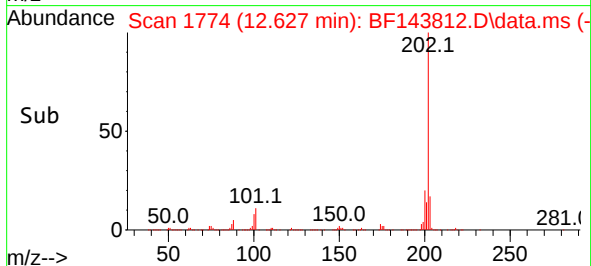
Instrument :
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ClientSampleId :
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Tgt Ion:202 Resp: 281769
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.1
203 17.1 0.0 37.4

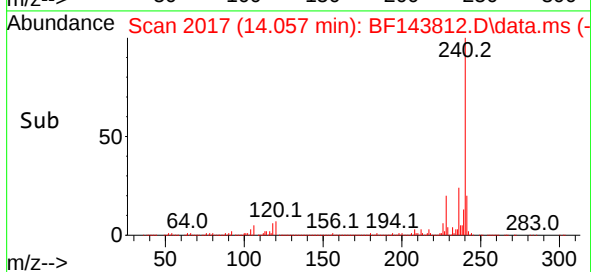
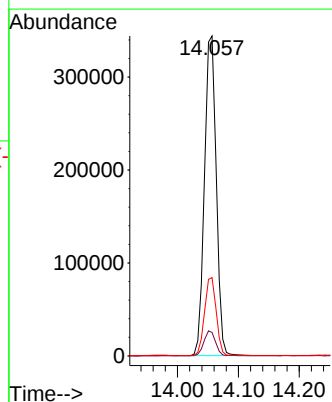
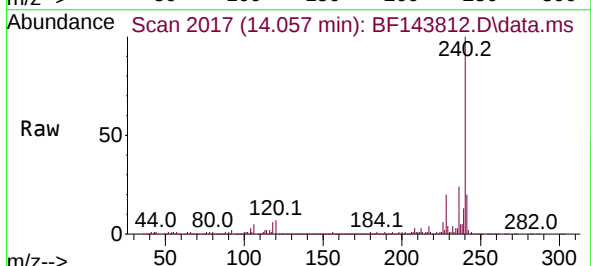
Manual Integrations
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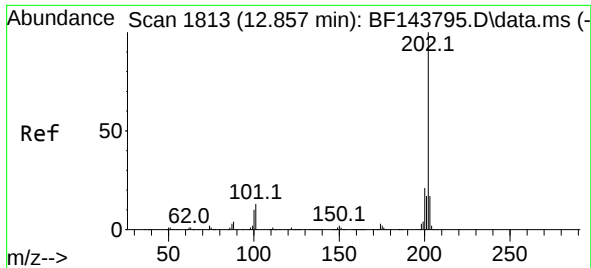
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF143812.D
Acq: 25 Sep 2025 19:21

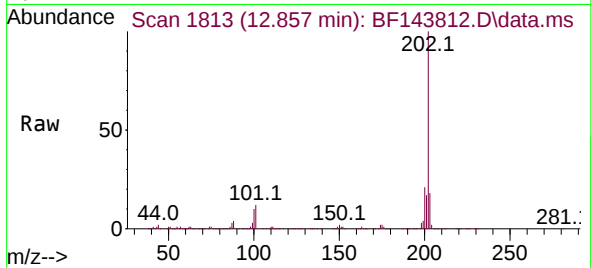
Tgt Ion:240 Resp: 462477
Ion Ratio Lower Upper
240 100
120 7.3 6.2 9.4
236 24.5 19.4 29.2





#78
Pyrene
Concen: 11.760 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF143812.D
Acq: 25 Sep 2025 19:21

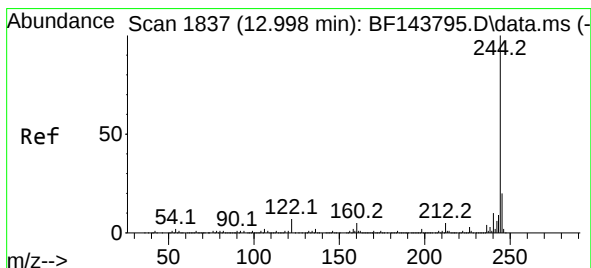
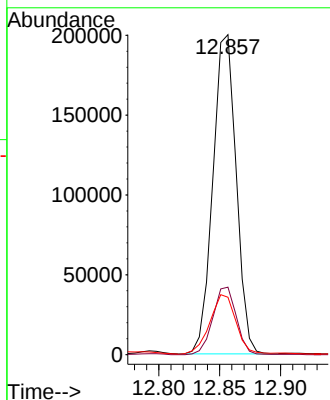
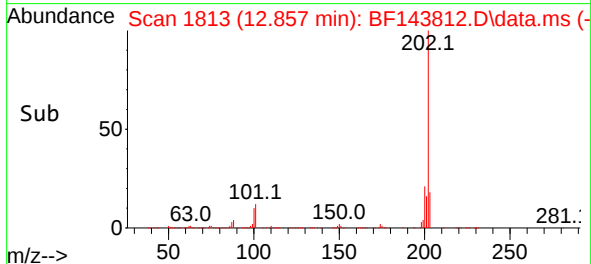
Instrument :
BNA_F
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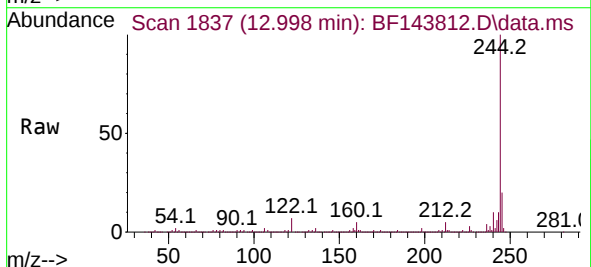
Tgt Ion:202 Resp: 267391
Ion Ratio Lower Upper
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200 21.1 17.0 25.4
203 17.9 13.9 20.9

Manual Integrations
APPROVED

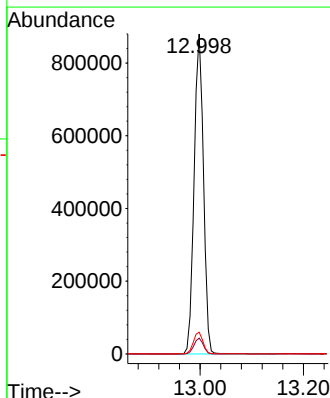
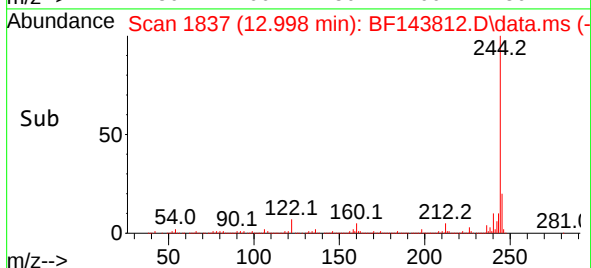
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

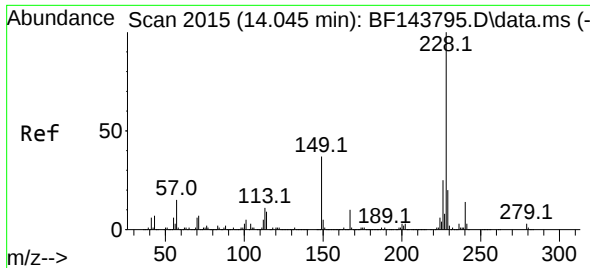


#79
Terphenyl-d14
Concen: 48.445 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BF143812.D
Acq: 25 Sep 2025 19:21



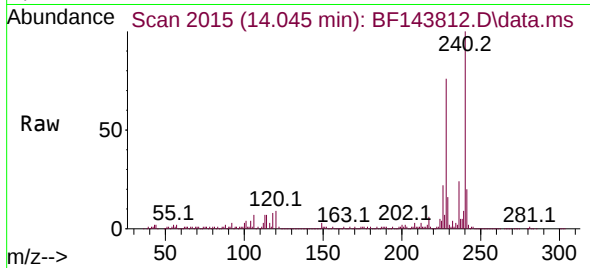
Tgt Ion:244 Resp: 1101657
Ion Ratio Lower Upper
244 100
212 4.9 3.9 5.9
122 6.8 5.6 8.4





#81
Benzo(a)anthracene
Concen: 9.540 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143812.D
Acq: 25 Sep 2025 19:21

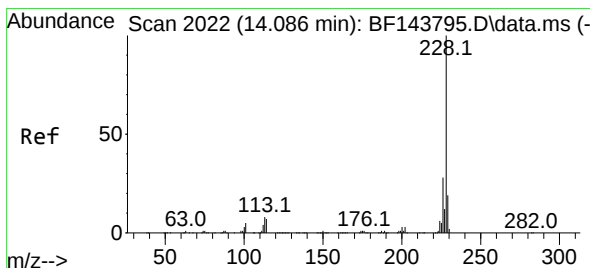
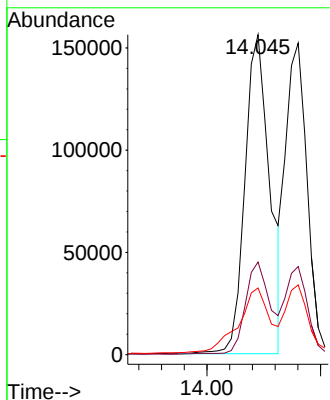
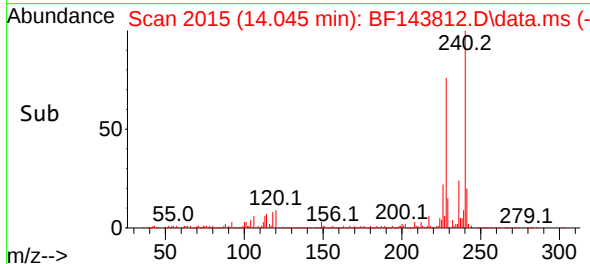
Instrument :
BNA_F
ClientSampleId :
WC-3



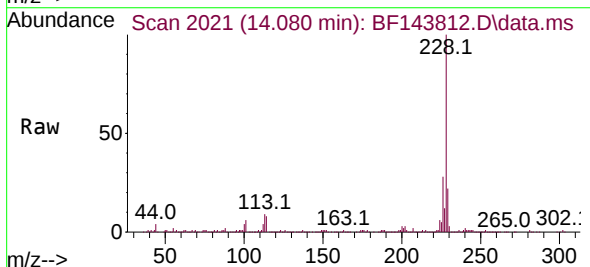
Tgt Ion:228 Resp: 237023
Ion Ratio Lower Upper
228 100
226 29.0 20.2 30.2
229 20.8 16.1 24.1

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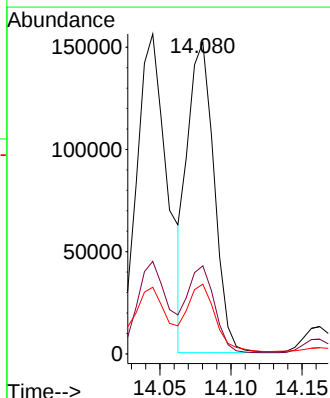
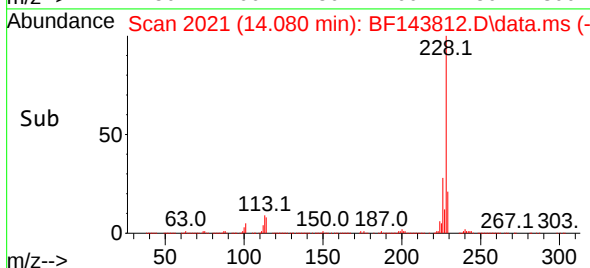
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

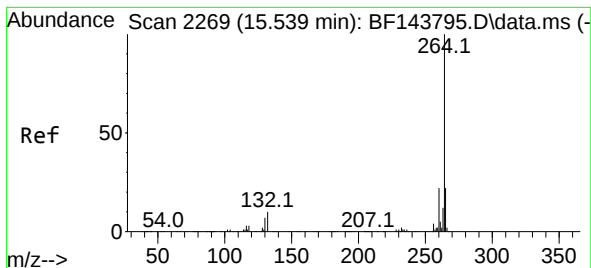


#83
Chrysene
Concen: 8.796 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF143812.D
Acq: 25 Sep 2025 19:21



Tgt Ion:228 Resp: 197754
Ion Ratio Lower Upper
228 100
226 28.3 22.6 33.8
229 22.4 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143812.D

Acq: 25 Sep 2025 19:21

Instrument :

BNA_F

ClientSampleId :

WC-3

Tgt Ion:264 Resp: 609932

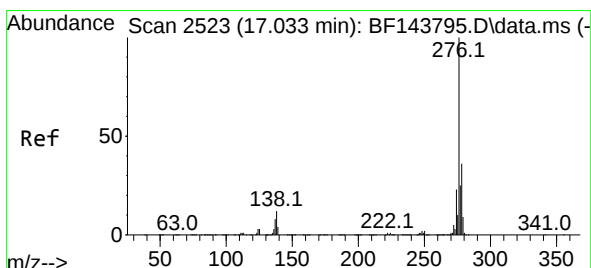
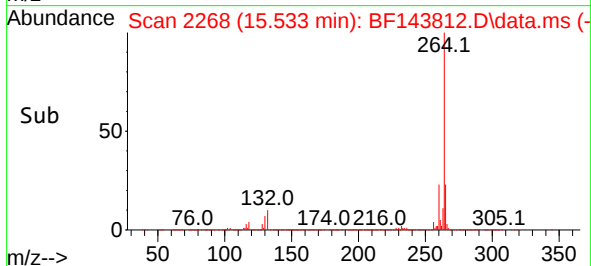
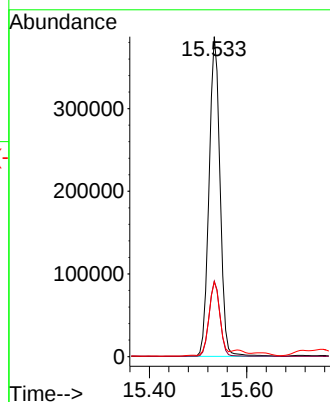
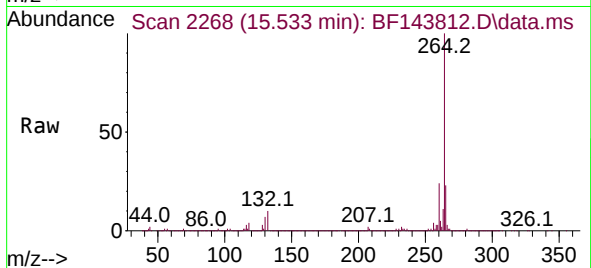
Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.9	26.9
265	23.4	17.7	26.5

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Supervised By :Jagrut Upadhyay 09/26/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.363 ng

RT: 17.015 min Scan# 2520

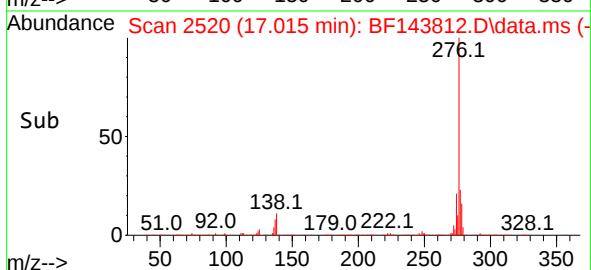
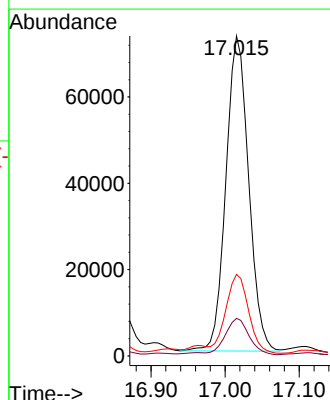
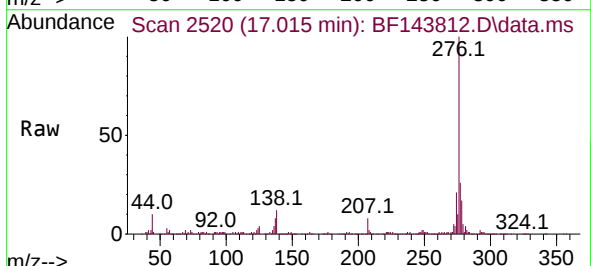
Delta R.T. -0.029 min

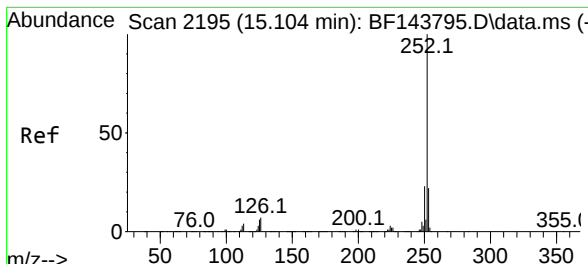
Lab File: BF143812.D

Acq: 25 Sep 2025 19:21

Tgt Ion:276 Resp: 155645

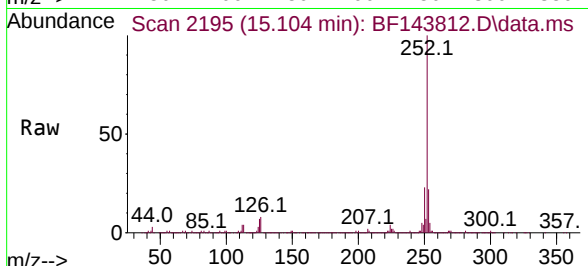
Ion	Ratio	Lower	Upper
276	100		
138	12.6	10.6	15.8
277	24.9	20.7	31.1





#88
Benzo(b)fluoranthene
Concen: 14.159 ng m
RT: 15.104 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF143812.D
Acq: 25 Sep 2025 19:21

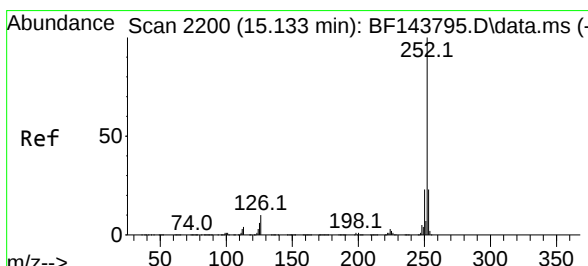
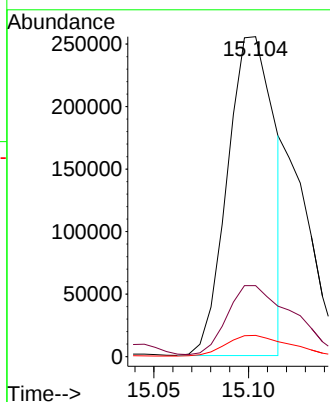
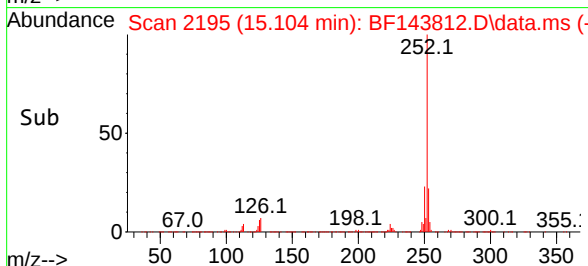
Instrument :
BNA_F
ClientSampleId :
WC-3



Tgt Ion:252 Resp: 439803
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 6.6 4.4 6.6

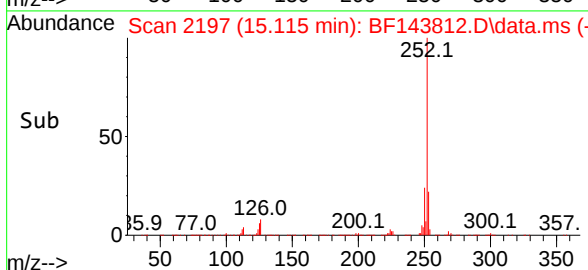
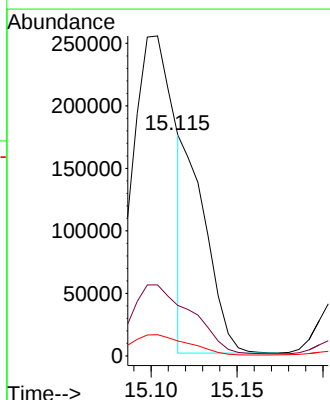
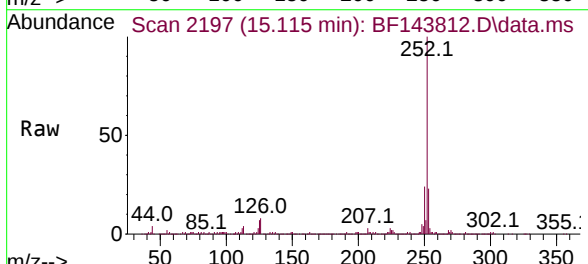
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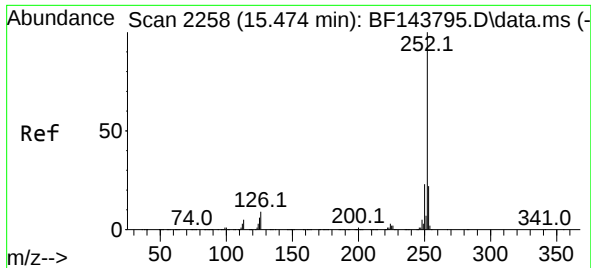
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#89
Benzo(k)fluoranthene
Concen: 5.152 ng m
RT: 15.115 min Scan# 2197
Delta R.T. -0.023 min
Lab File: BF143812.D
Acq: 25 Sep 2025 19:21

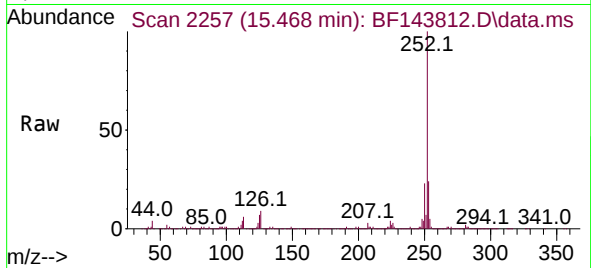
Tgt Ion:252 Resp: 160764
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 6.8 4.6 6.8





#90
Benzo(a)pyrene
Concen: 9.421 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF143812.D
Acq: 25 Sep 2025 19:21

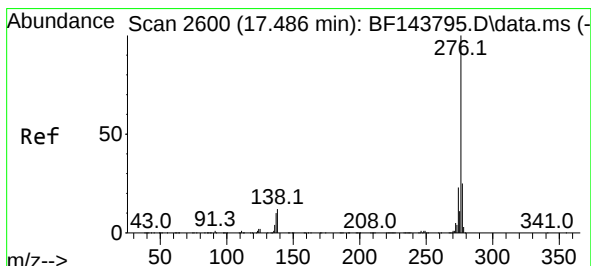
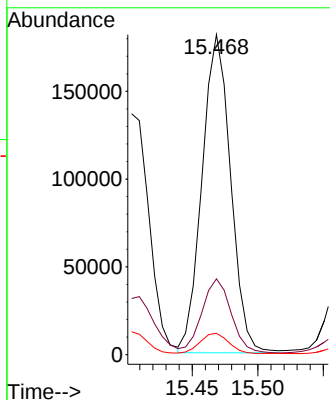
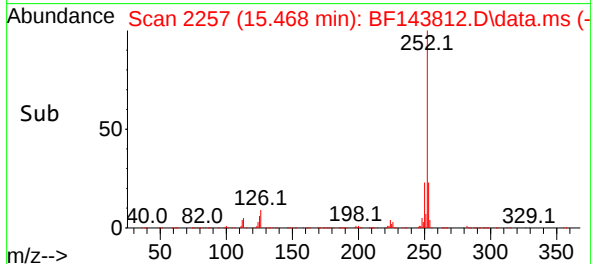
Instrument :
BNA_F
ClientSampleId :
WC-3



Tgt Ion:252 Resp: 275059
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 6.7 5.0 7.4

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Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#92
Benzo(g,h,i)perylene
Concen: 3.733 ng
RT: 17.468 min Scan# 2597
Delta R.T. -0.035 min
Lab File: BF143812.D
Acq: 25 Sep 2025 19:21

Tgt Ion:276 Resp: 136209
Ion Ratio Lower Upper
276 100
277 24.4 19.6 29.4
138 12.0 9.2 13.8

