

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120325\
 Data File : BF144419.D
 Acq On : 03 Dec 2025 15:07
 Operator : RC/JU
 Sample : Q3741-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B50-SP3-111925

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/04/2025
 Supervised By :mohammad ahmed 12/09/2025

Quant Time: Dec 03 15:26:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	81142	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	286107	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	142110	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	237809	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	247413	20.000	ng	0.00
86) Perylene-d12	15.527	264	282719	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	203776	39.299	ng	0.00
7) Phenol-d6	6.498	99	226284	38.515	ng	0.00
23) Nitrobenzene-d5	7.422	82	139540	28.168	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	60972	34.190	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	298024	30.973	ng	-0.01
79) Terphenyl-d14	12.980	244	349952	22.467	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	23905	2.019	ng	96
75) Fluoranthene	12.610	202	42014	3.435	ng	97
78) Pyrene	12.839	202	44194	2.215	ng	96
81) Benzo(a)anthracene	14.033	228	50440	2.942	ng	# 93
83) Chrysene	14.069	228	42989	2.716	ng	# 93
87) Indeno(1,2,3-cd)pyrene	17.021	276	51542	2.540	ng	98
88) Benzo(b)fluoranthene	15.092	252	98106m	6.104	ng	
89) Benzo(k)fluoranthene	15.110	252	31309m	2.081	ng	
90) Benzo(a)pyrene	15.463	252	86242	5.816	ng	# 93
92) Benzo(g,h,i)perylene	17.480	276	49390	3.069	ng	98

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

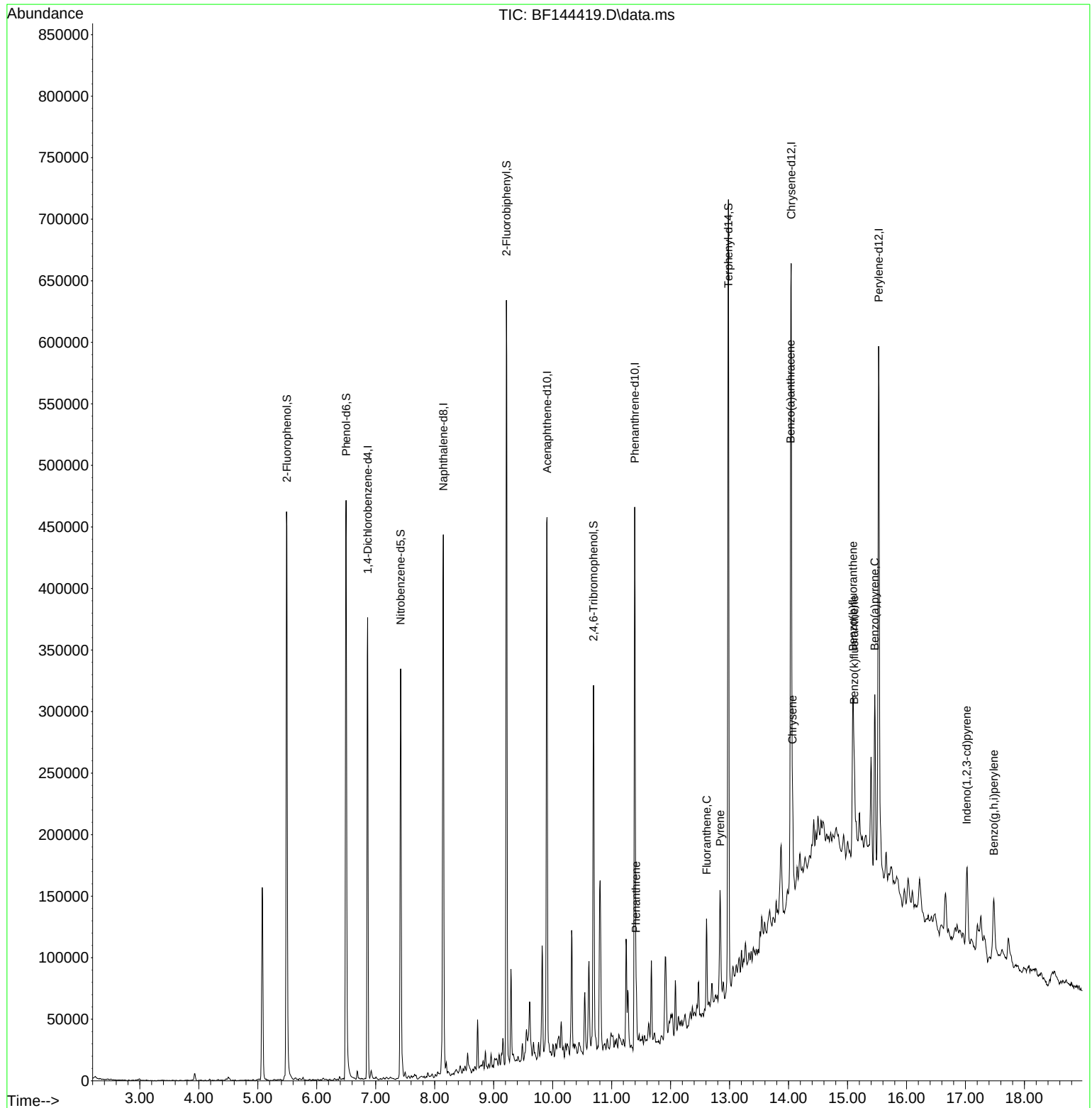
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120325\
Data File : BF144419.D
Acq On : 03 Dec 2025 15:07
Operator : RC/JU
Sample : Q3741-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

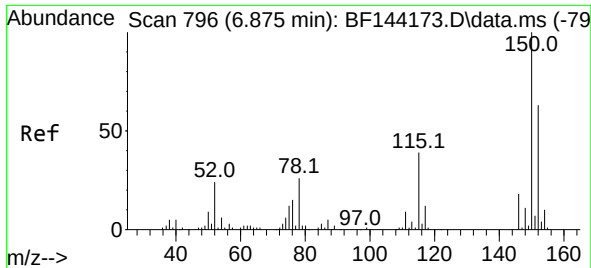
Instrument :
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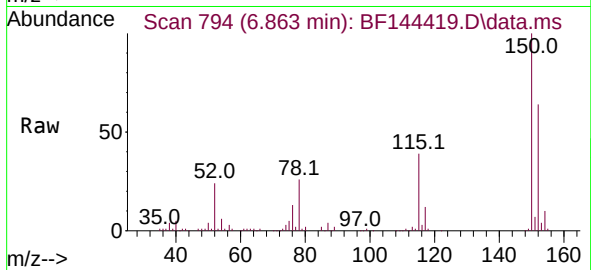
Quant Time: Dec 03 15:26:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 794
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

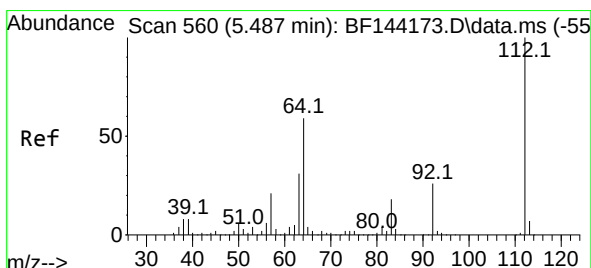
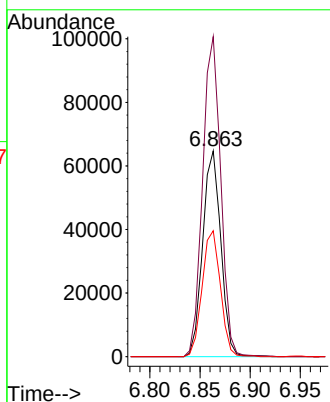
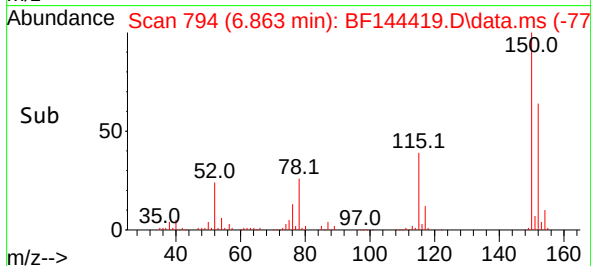
Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925



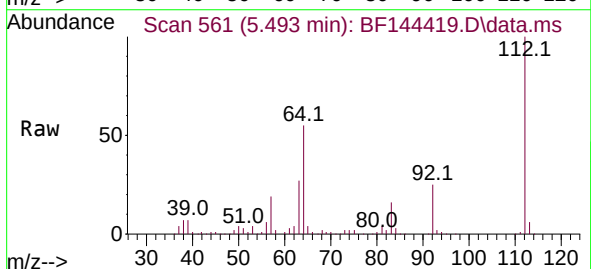
Tgt Ion:152 Resp: 81142
Ion Ratio Lower Upper
152 100
150 155.6 127.4 191.0
115 61.2 49.5 74.3

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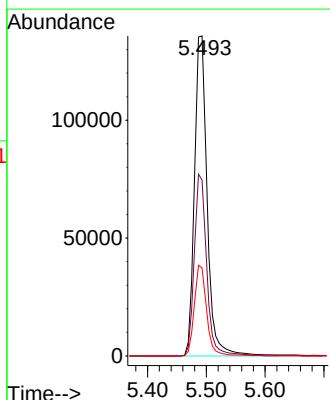
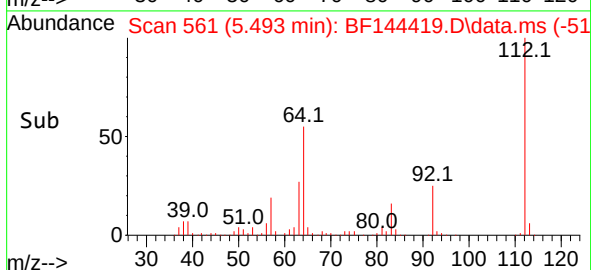
Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025



#5
2-Fluorophenol
Concen: 39.299 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07



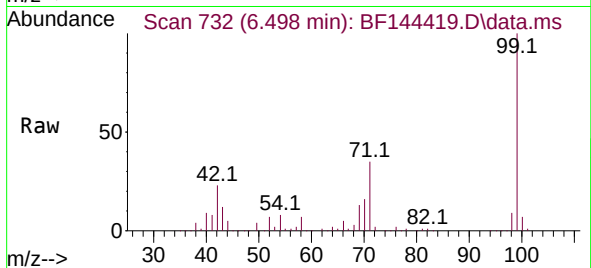
Tgt Ion:112 Resp: 203776
Ion Ratio Lower Upper
112 100
64 55.0 47.2 70.8
63 27.4 24.4 36.6





#7
Phenol-d6
Concen: 38.515 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.000 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

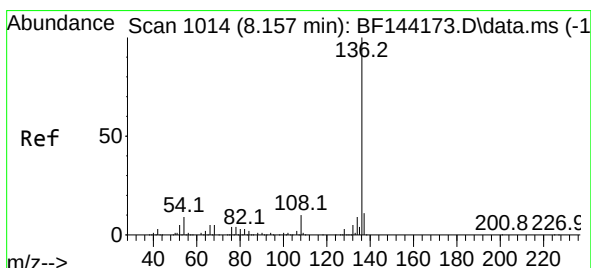
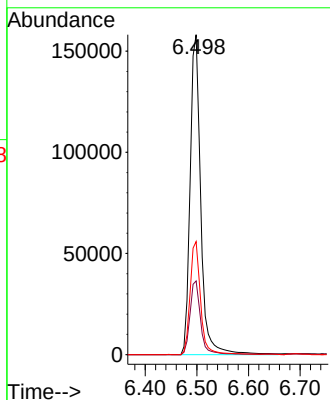
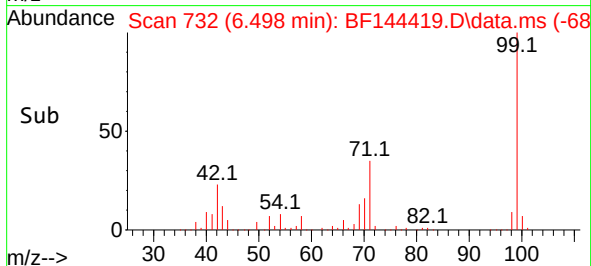
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BNA_F
ClientSampleId :
B50-SP3-111925



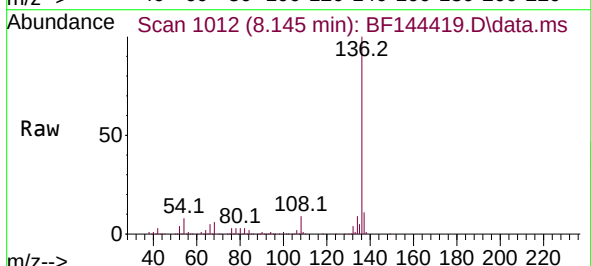
Tgt Ion: 99 Resp: 226284
Ion Ratio Lower Upper
99 100
42 23.0 20.9 31.3
71 35.3 31.4 47.2

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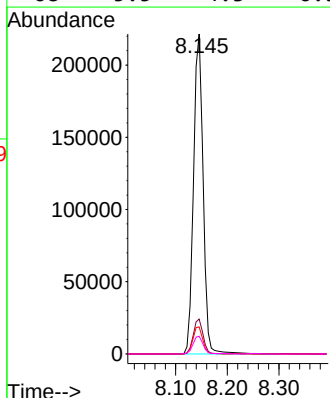
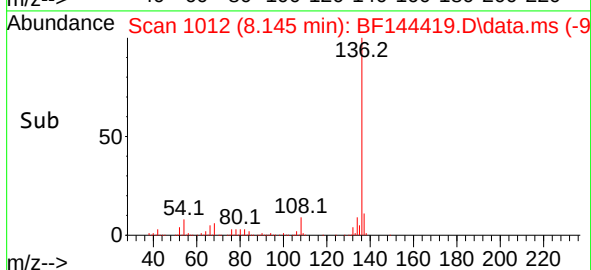
Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025

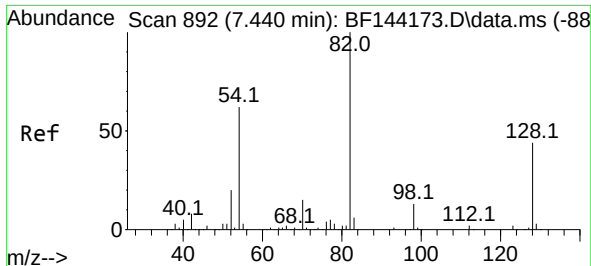


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07



Tgt Ion:136 Resp: 286107
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.4 7.0 10.6
68 5.5 4.3 6.5





#23

Nitrobenzene-d5

Concen: 28.168 ng

RT: 7.422 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF144419.D

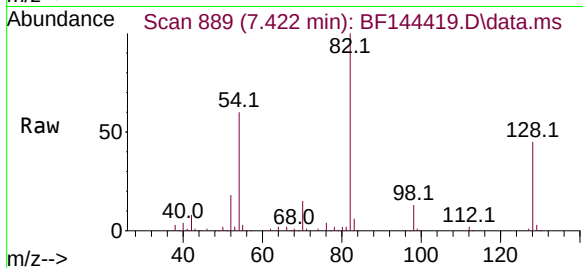
Acq: 03 Dec 2025 15:07

Instrument :

BNA_F

ClientSampleId :

B50-SP3-111925



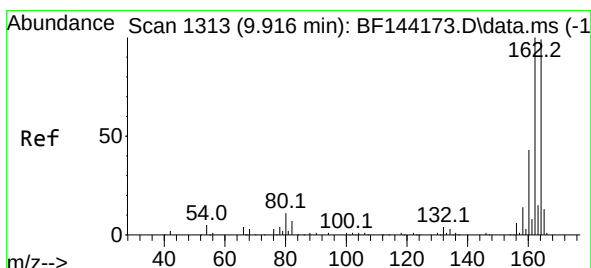
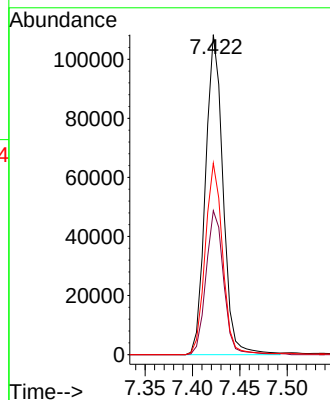
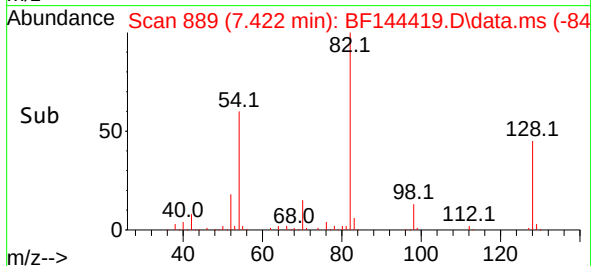
Tgt Ion: 82 Resp: 139540

Ion	Ratio	Lower	Upper
82	100		
128	45.0	34.7	52.1
54	59.8	49.5	74.3

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1311

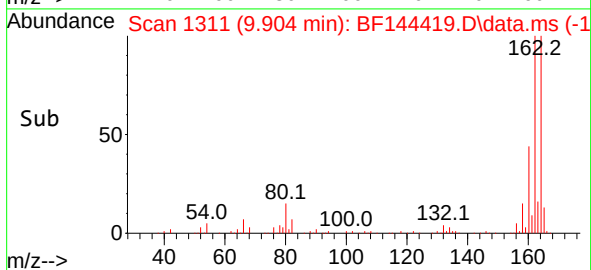
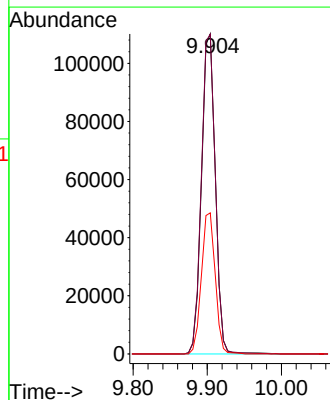
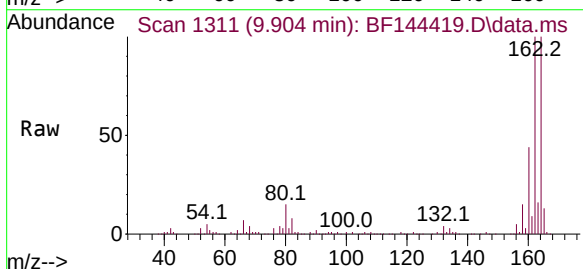
Delta R.T. -0.012 min

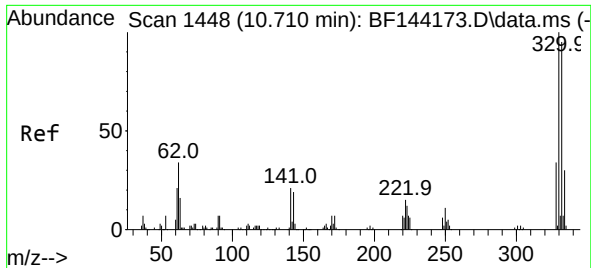
Lab File: BF144419.D

Acq: 03 Dec 2025 15:07

Tgt Ion:164 Resp: 142110

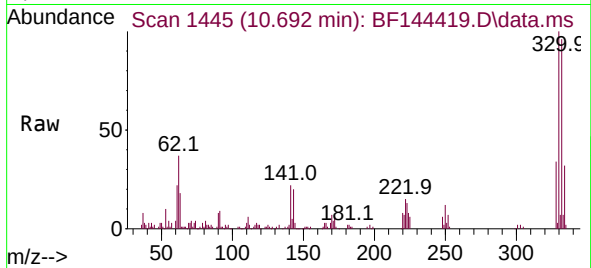
Ion	Ratio	Lower	Upper
164	100		
162	99.9	81.1	121.7
160	44.1	34.5	51.7





#42
2,4,6-Tribromophenol
Concen: 34.190 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

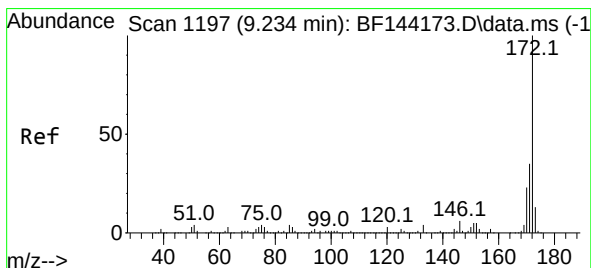
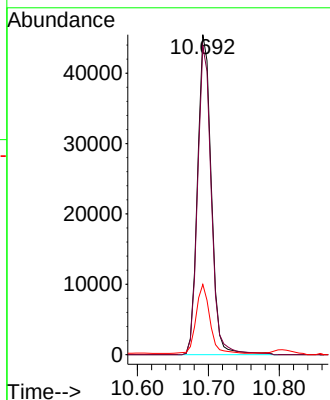
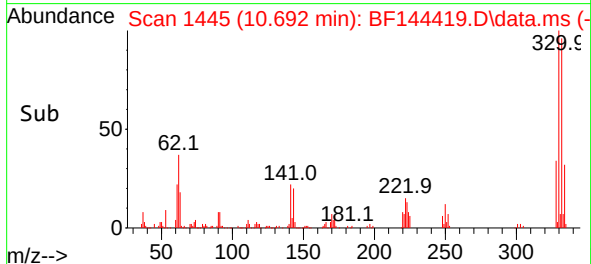
Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925



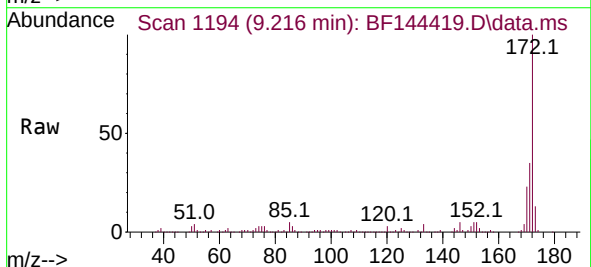
Tgt Ion:330 Resp: 60972
Ion Ratio Lower Upper
330 100
332 96.3 76.7 115.1
141 21.2 17.8 26.8

Manual Integrations
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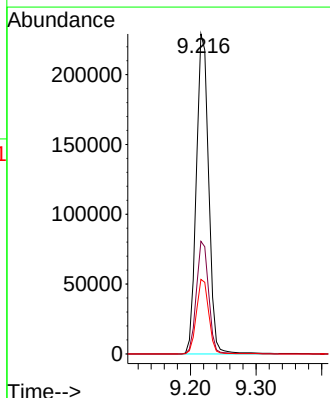
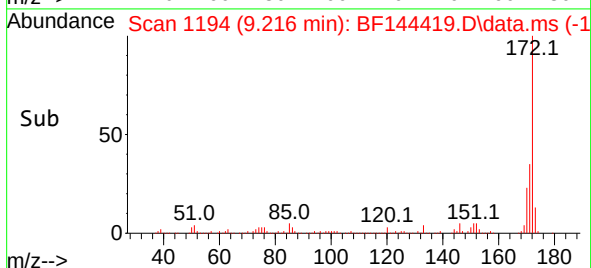
Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025

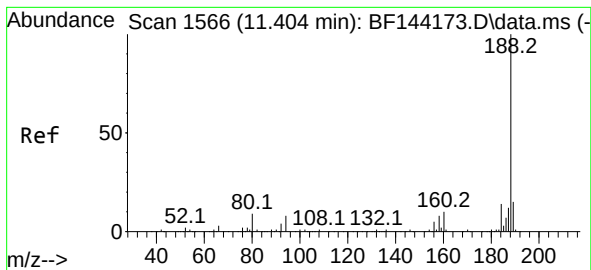


#45
2-Fluorobiphenyl
Concen: 30.973 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07



Tgt Ion:172 Resp: 298024
Ion Ratio Lower Upper
172 100
171 35.2 28.1 42.1
170 23.3 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Instrument :

BNA_F

ClientSampleId :

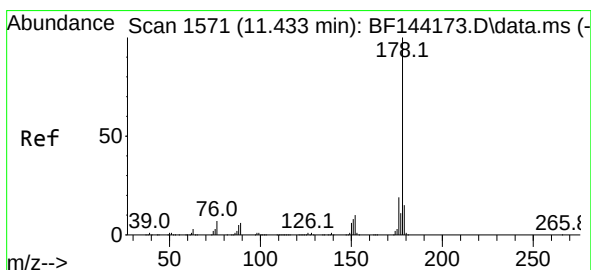
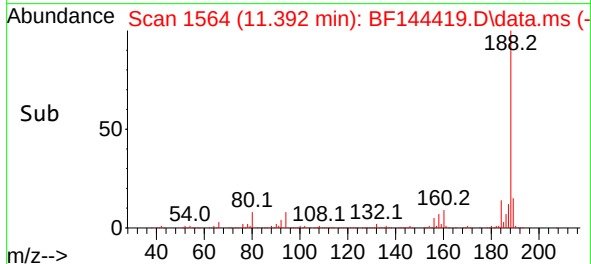
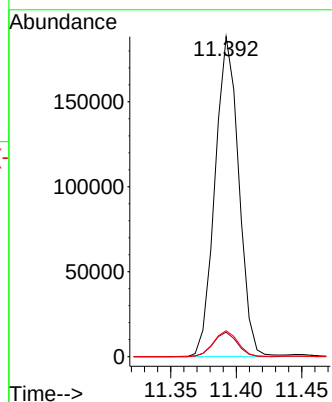
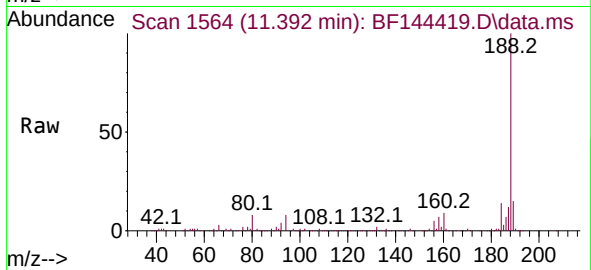
B50-SP3-111925

Tgt Ion:188 Resp: 237809
Ion Ratio Lower Upper
188 100
94 7.6 6.2 9.2
80 8.1 6.9 10.3

Manual Integrations

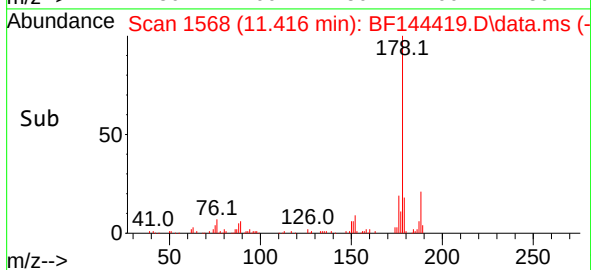
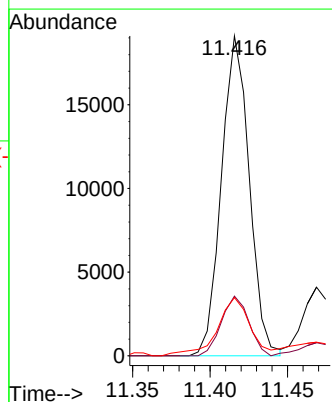
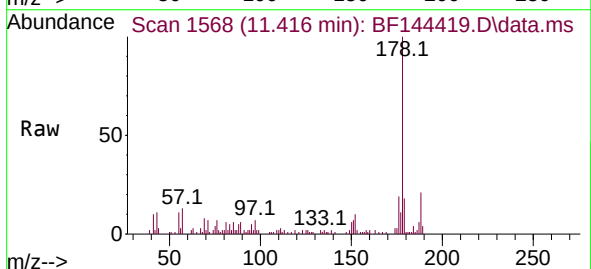
APPROVED

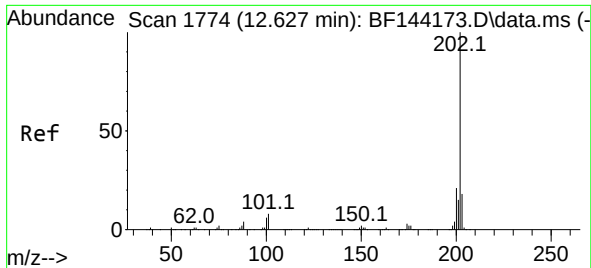
Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025



#71
Phenanthrene
Concen: 2.019 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Tgt Ion:178 Resp: 23905
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 18.2 12.2 18.4





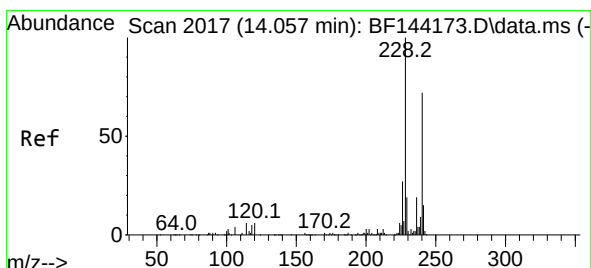
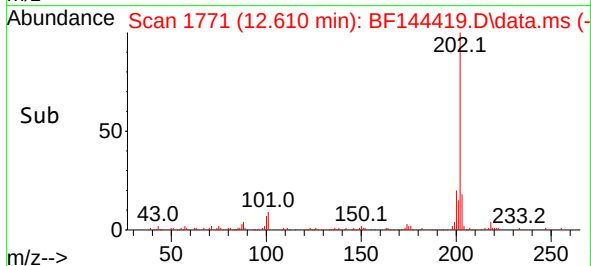
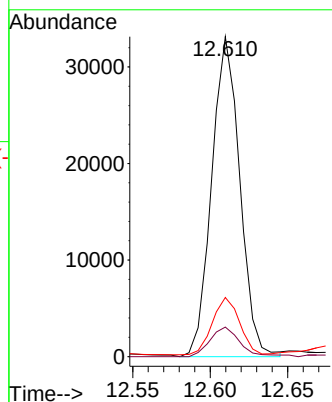
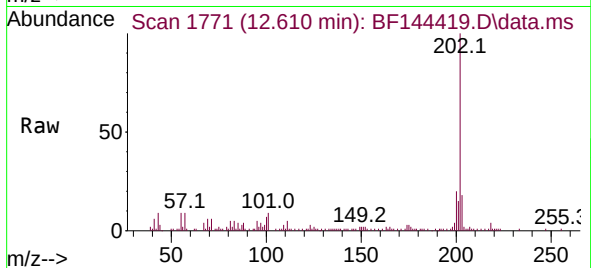
#75
Fluoranthene
Concen: 3.435 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925

Tgt Ion:202 Resp: 42014
Ion Ratio Lower Upper
202 100
101 9.2 0.0 27.9
203 18.5 0.0 37.5

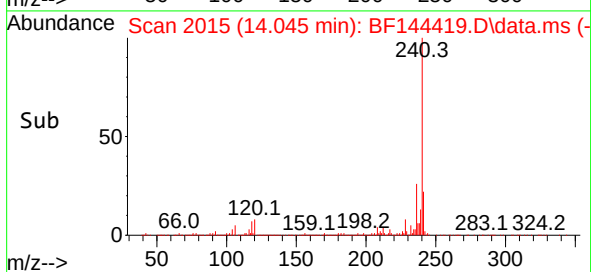
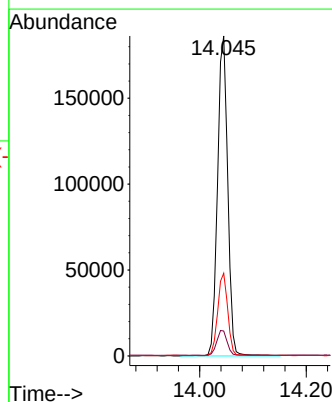
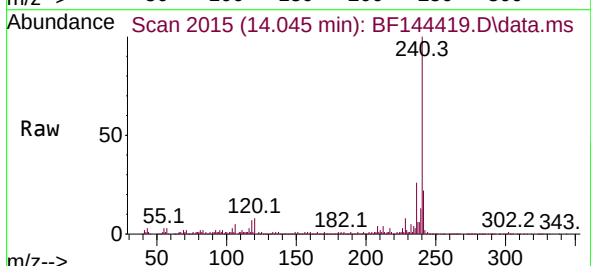
Manual Integrations
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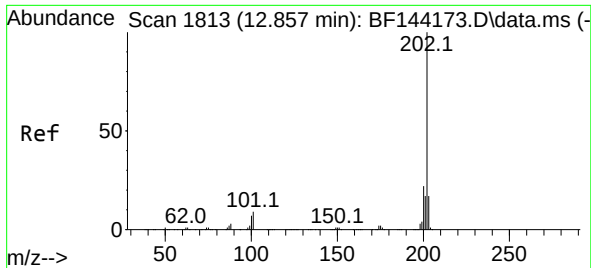
Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

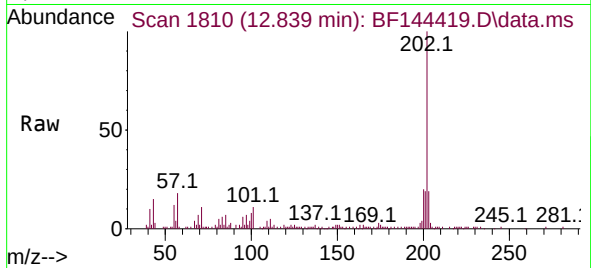
Tgt Ion:240 Resp: 247413
Ion Ratio Lower Upper
240 100
120 7.8 6.6 10.0
236 25.8 21.4 32.2





#78
Pyrene
Concen: 2.215 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

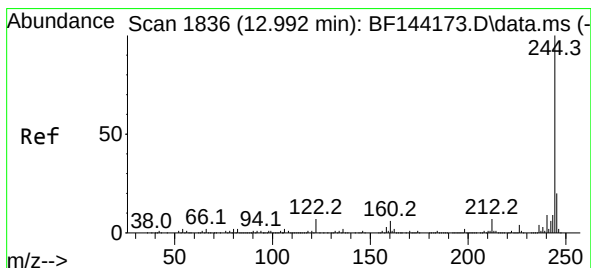
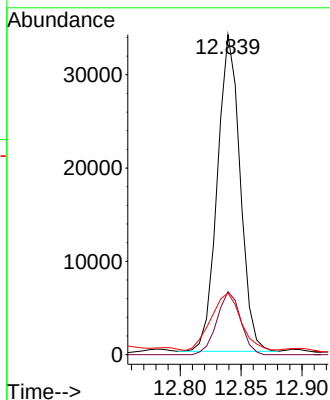
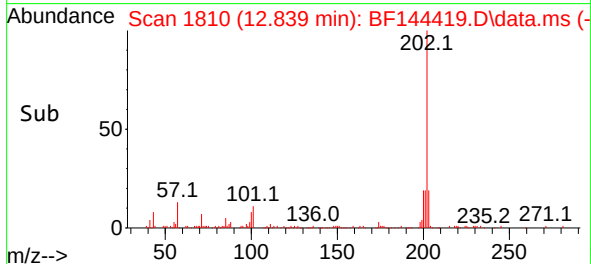
Instrument :
BNA_F
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B50-SP3-111925



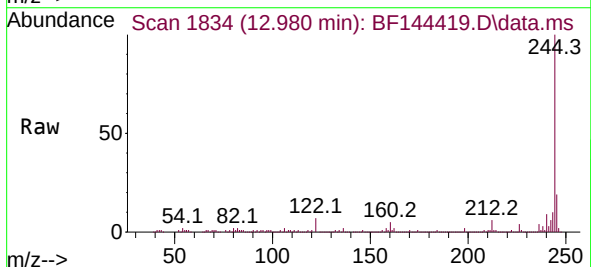
Tgt Ion:202 Resp: 44194
Ion Ratio Lower Upper
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200 19.7 17.2 25.8
203 19.2 13.7 20.5

Manual Integrations
APPROVED

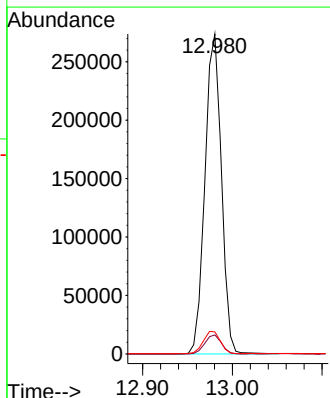
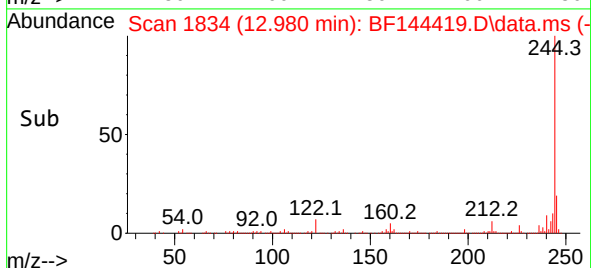
Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025

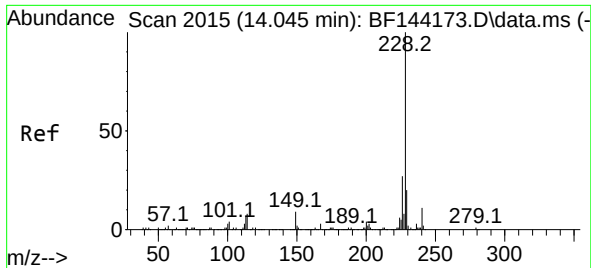


#79
Terphenyl-d14
Concen: 22.467 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07



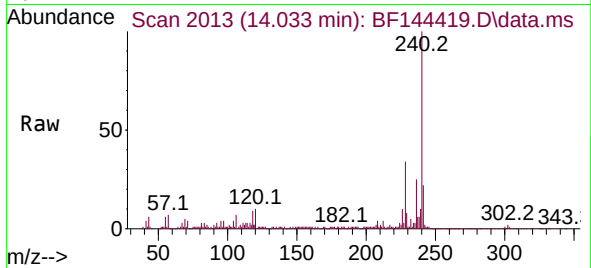
Tgt Ion:244 Resp: 349952
Ion Ratio Lower Upper
244 100
212 5.9 5.3 7.9
122 6.9 5.6 8.4





#81
Benzo(a)anthracene
Concen: 2.942 ng
RT: 14.033 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

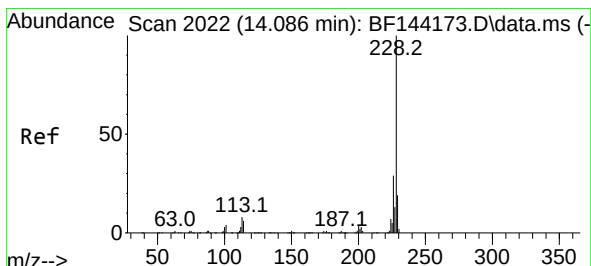
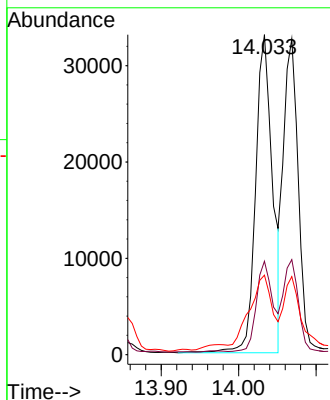
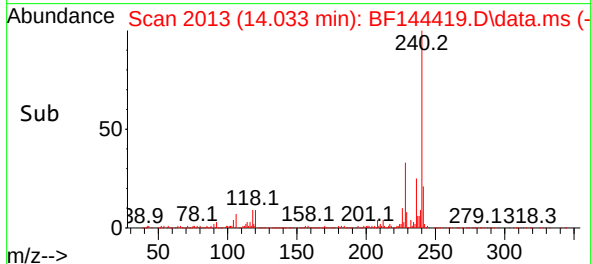
Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925



Tgt Ion:228 Resp: 50440
Ion Ratio Lower Upper
228 100
226 29.2 21.8 32.8
229 24.8 15.8 23.6

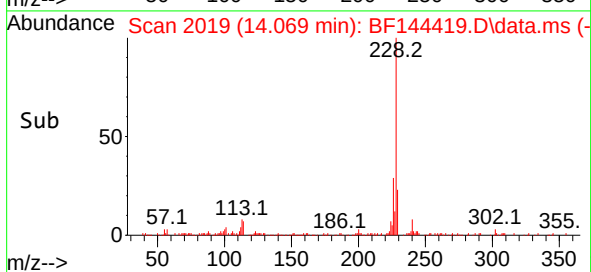
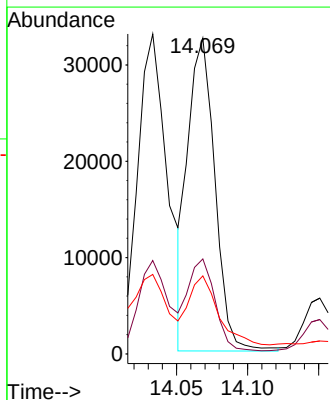
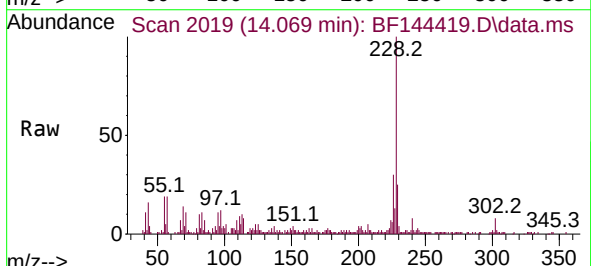
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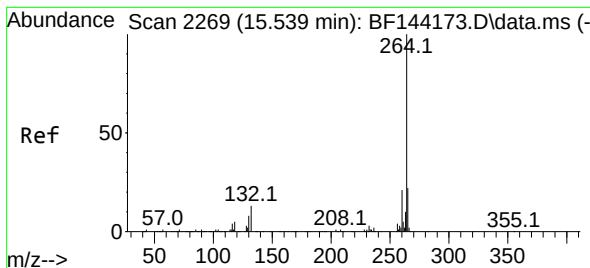
Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025



#83
Chrysene
Concen: 2.716 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

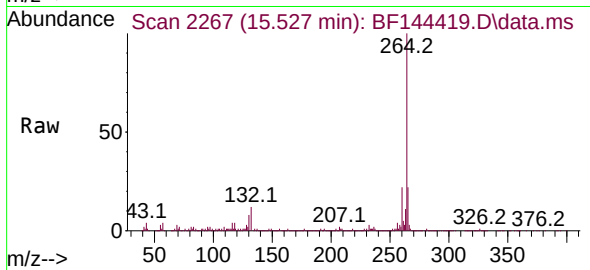
Tgt Ion:228 Resp: 42989
Ion Ratio Lower Upper
228 100
226 30.1 22.9 34.3
229 24.7 15.0 22.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

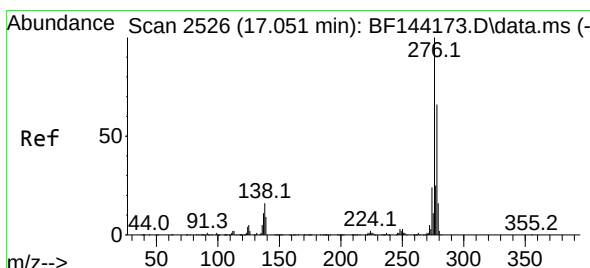
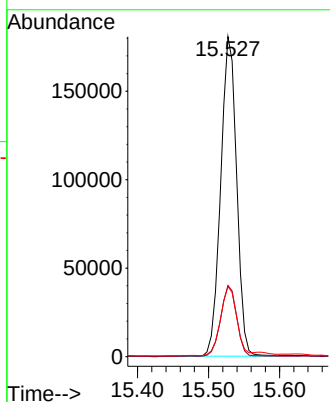
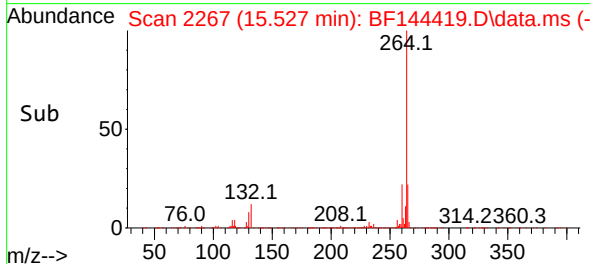
Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925



Tgt Ion:264 Resp: 282719
Ion Ratio Lower Upper
264 100
260 22.2 17.1 25.7
265 21.9 17.4 26.0

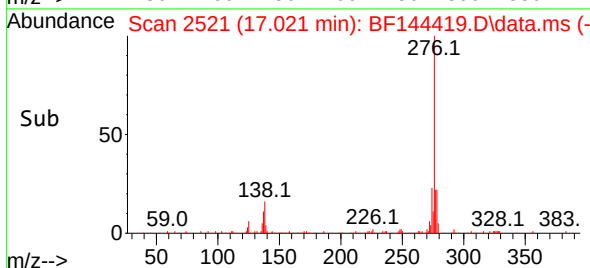
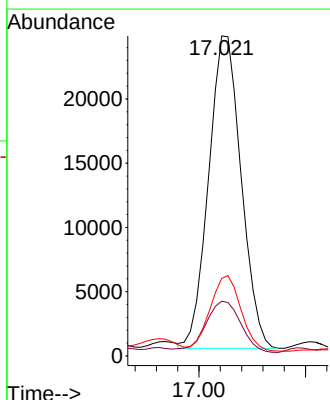
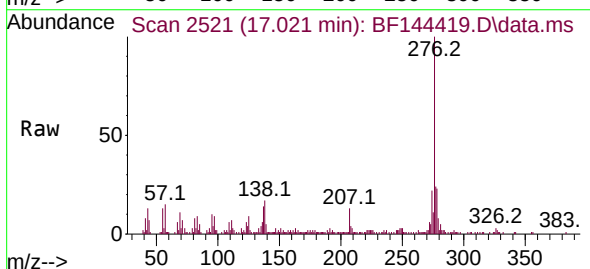
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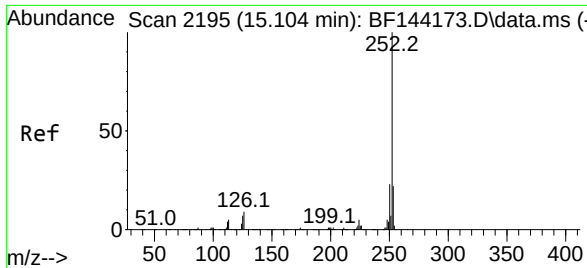
Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.540 ng
RT: 17.021 min Scan# 2521
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

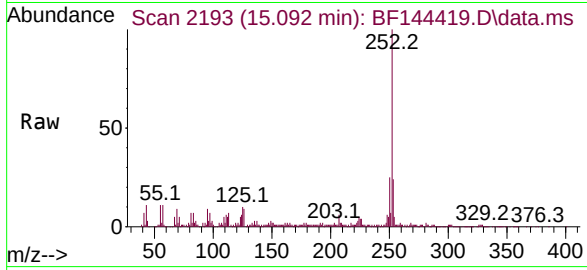
Tgt Ion:276 Resp: 51542
Ion Ratio Lower Upper
276 100
138 17.8 13.9 20.9
277 23.3 19.8 29.6





#88
Benzo(b)fluoranthene
Concen: 6.104 ng m
RT: 15.092 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

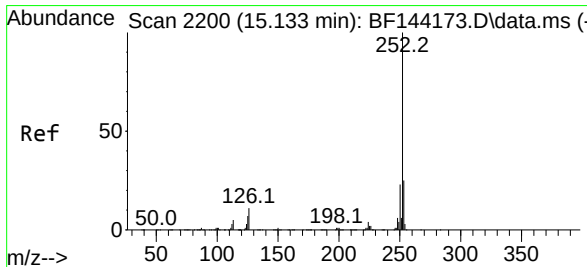
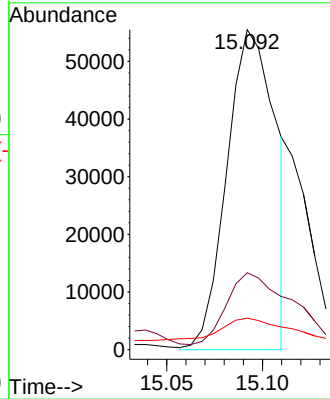
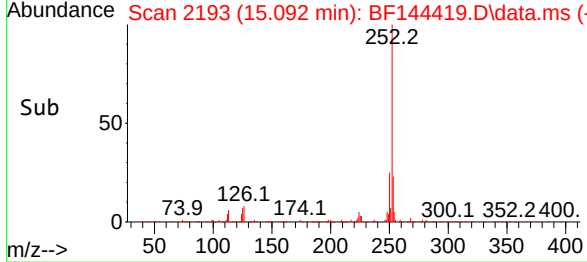
Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925



Tgt Ion:252 Resp: 98100
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.2
125 9.8 5.3 7.9

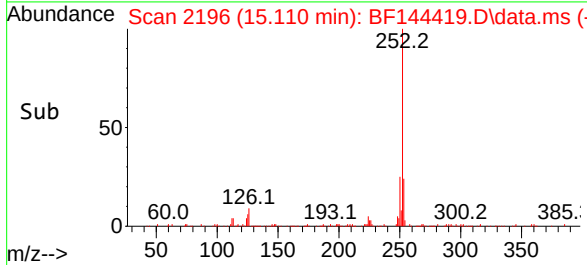
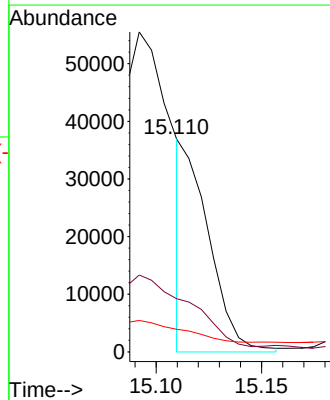
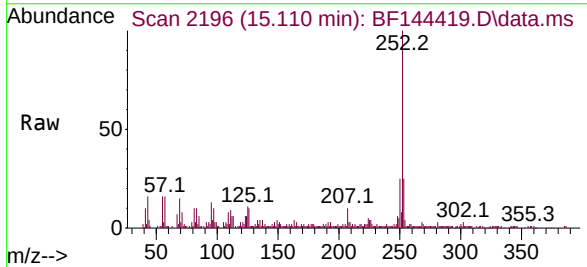
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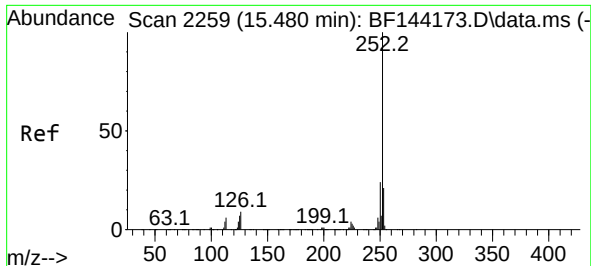
Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025



#89
Benzo(k)fluoranthene
Concen: 2.081 ng m
RT: 15.110 min Scan# 2196
Delta R.T. -0.018 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Tgt Ion:252 Resp: 31309
Ion Ratio Lower Upper
252 100
253 25.0 18.0 27.0
125 10.7 5.4 8.2





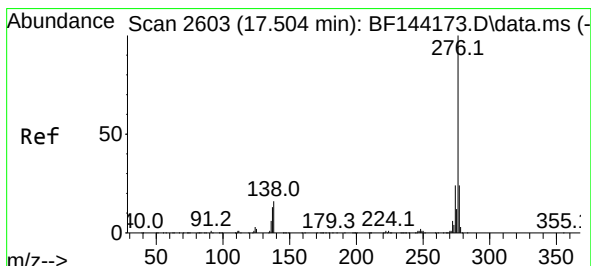
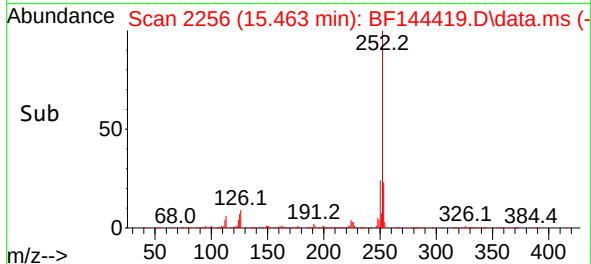
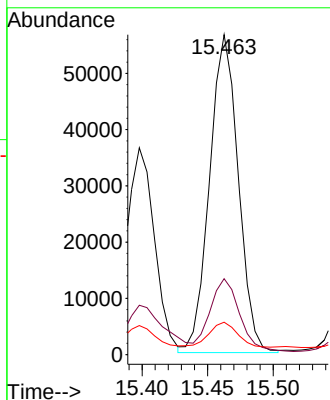
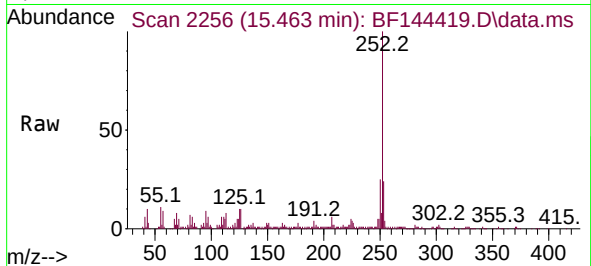
#90
Benzo(a)pyrene
Concen: 5.816 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925

Tgt Ion:252 Resp: 86242
Ion Ratio Lower Upper
252 100
253 23.7 16.7 25.1
125 10.1 5.7 8.5

Manual Integrations
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Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025



#92
Benzo(g,h,i)perylene
Concen: 3.069 ng
RT: 17.480 min Scan# 2599
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Tgt Ion:276 Resp: 49390
Ion Ratio Lower Upper
276 100
277 25.4 19.0 28.4
138 15.8 12.9 19.3

