

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\
 Data File : BF144406.D
 Acq On : 02 Dec 2025 16:49
 Operator : RC/JU
 Sample : Q3742-17
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-25

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2025
 Supervised By :Sohil Jodhani 12/03/2025

Quant Time: Dec 02 17:10:45 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	42309	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	155548	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	79867	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	121200	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	111428	20.000	ng	0.00
86) Perylene-d12	15.527	264	142215	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	215382	79.663	ng	0.00
7) Phenol-d6	6.492	99	246176	80.359	ng	0.00
23) Nitrobenzene-d5	7.422	82	147048	54.599	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	67969	67.817	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	287081	53.088	ng	-0.01
79) Terphenyl-d14	12.980	244	264227	37.666	ng	-0.01
Target Compounds					Qvalue	
31) Naphthalene	8.163	128	23049	3.115	ng	98
71) Phenanthrene	11.416	178	44559	7.384	ng	98
72) Anthracene	11.469	178	20701	3.374	ng	97
75) Fluoranthene	12.610	202	114271	18.332	ng	96
78) Pyrene	12.839	202	107101	11.921	ng	97
81) Benzo(a)anthracene	14.033	228	88559	11.467	ng	# 91
83) Chrysene	14.068	228	67526	9.472	ng	# 90
87) Indeno(1,2,3-cd)pyrene	17.021	276	29818	2.921	ng	# 94
88) Benzo(b)fluoranthene	15.092	252	90097m	11.143	ng	
89) Benzo(k)fluoranthene	15.109	252	29558m	3.906	ng	
90) Benzo(a)pyrene	15.462	252	73140	9.806	ng	# 96
92) Benzo(g,h,i)perylene	17.480	276	26095	3.223	ng	# 91

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

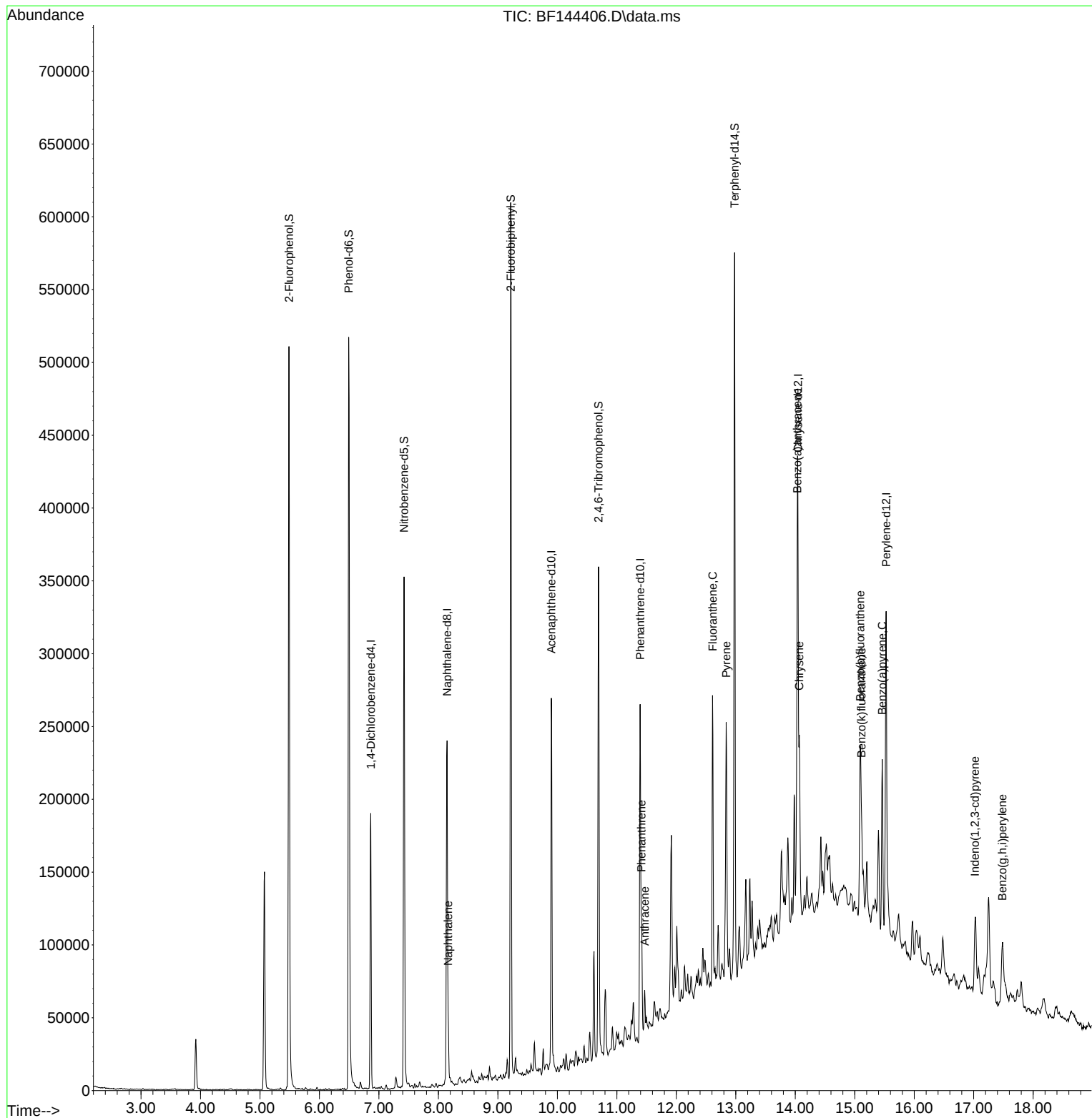
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\
Data File : BF144406.D
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ALS Vial : 10 Sample Multiplier: 1

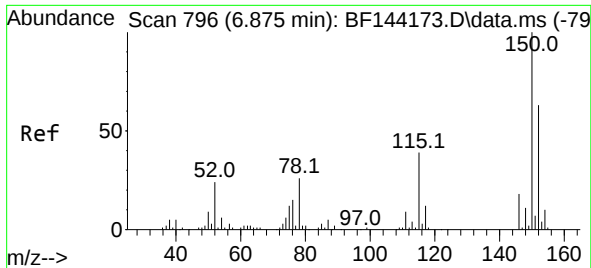
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Quant Time: Dec 02 17:10:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
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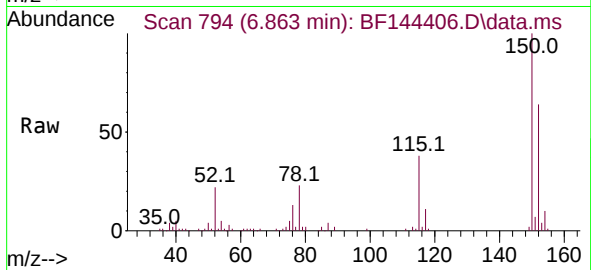
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144406.D
Acq: 02 Dec 2025 16:49

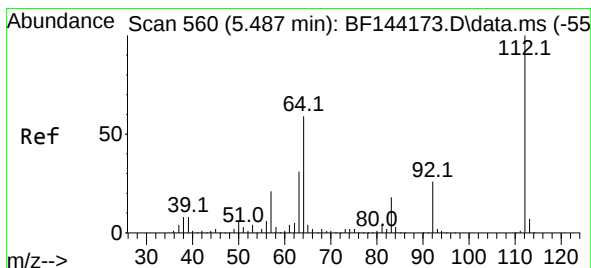
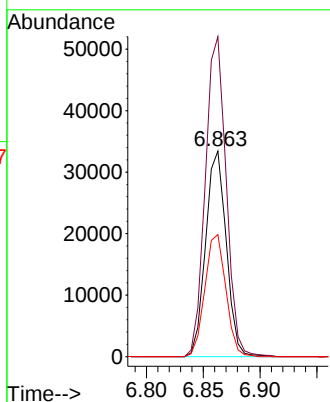
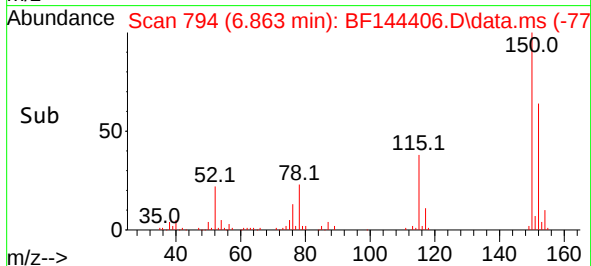
Instrument :
BNA_F
ClientSampleId :
SB-1125-25



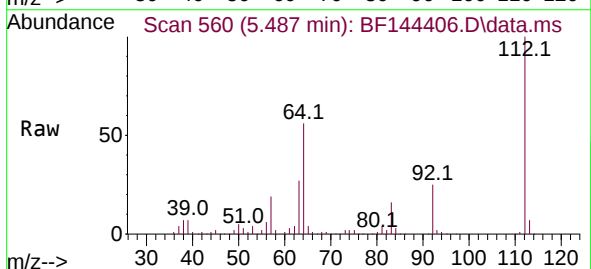
Tgt Ion:152 Resp: 42309
Ion Ratio Lower Upper
152 100
150 155.7 127.4 191.0
115 59.3 49.5 74.3

Manual Integrations
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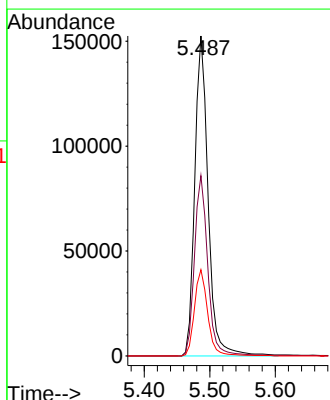
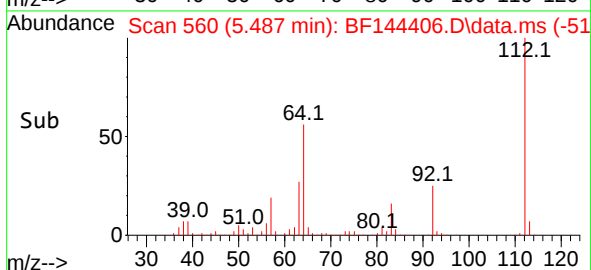
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#5
2-Fluorophenol
Concen: 79.663 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144406.D
Acq: 02 Dec 2025 16:49



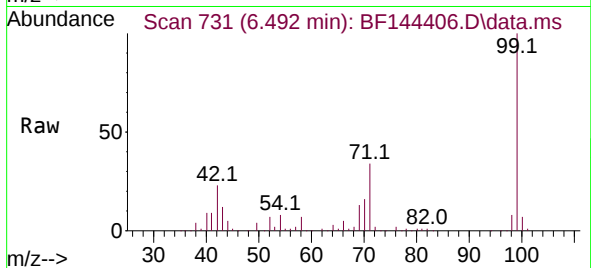
Tgt Ion:112 Resp: 215382
Ion Ratio Lower Upper
112 100
64 56.3 47.2 70.8
63 26.9 24.4 36.6





#7
Phenol-d6
Concen: 80.359 ng
RT: 6.492 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF144406.D
Acq: 02 Dec 2025 16:49

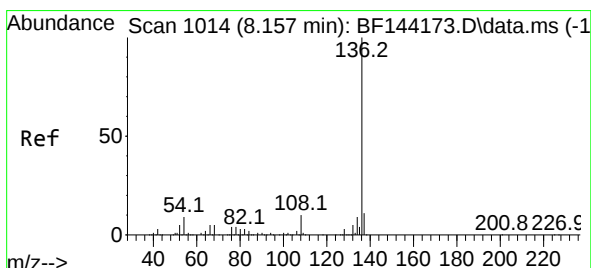
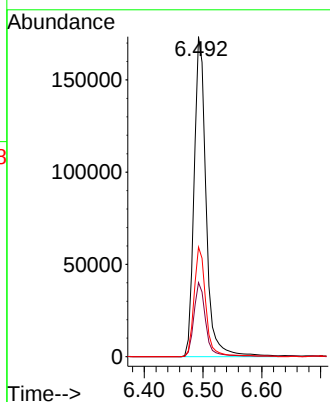
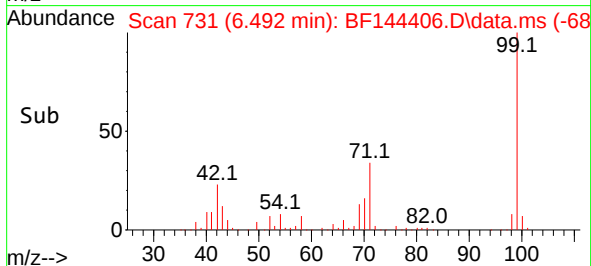
Instrument :
BNA_F
ClientSampleId :
SB-1125-25



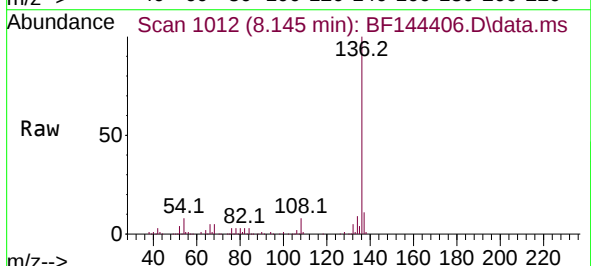
Tgt Ion: 99 Resp: 246176
Ion Ratio Lower Upper
99 100
42 23.1 20.9 31.3
71 34.2 31.4 47.2

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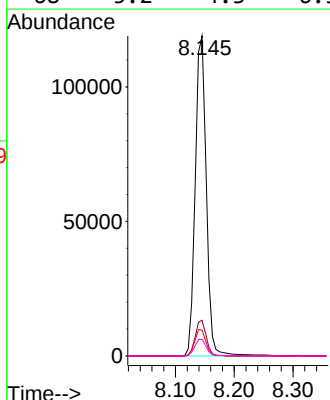
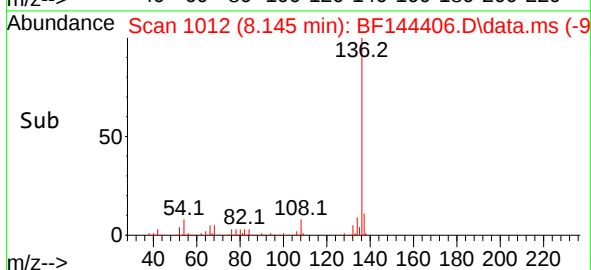
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025

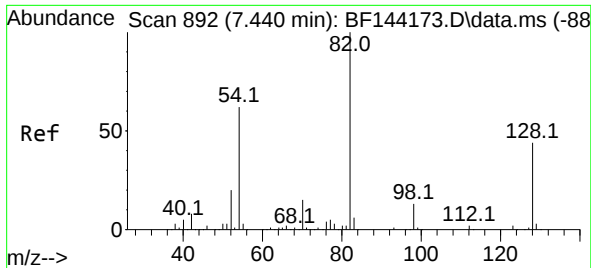


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144406.D
Acq: 02 Dec 2025 16:49



Tgt Ion:136 Resp: 155548
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.1 7.0 10.6
68 5.2 4.3 6.5





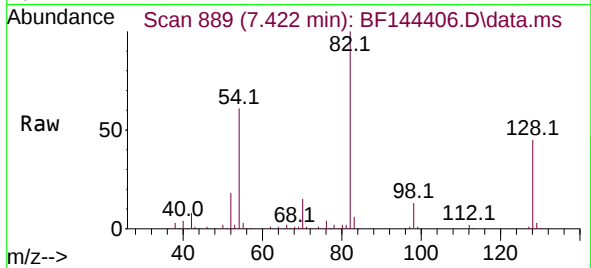
#23
Nitrobenzene-d5
Concen: 54.599 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144406.D
Acq: 02 Dec 2025 16:49

Instrument :

BNA_F

ClientSampleId :

SB-1125-25

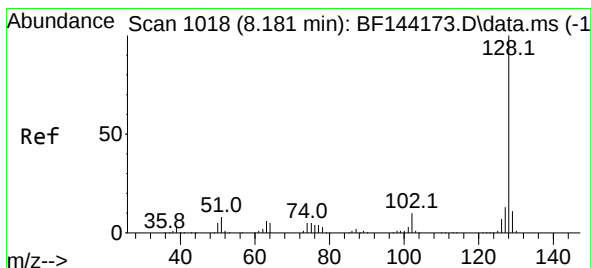
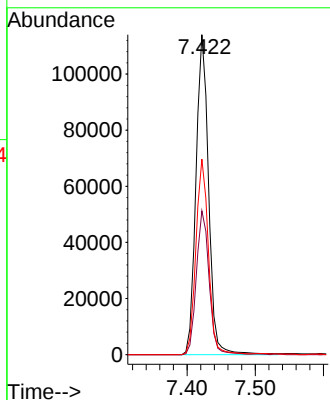
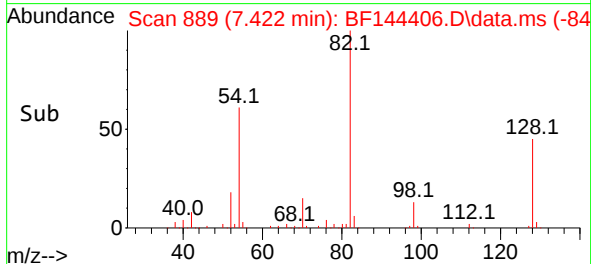


Tgt Ion: 82 Resp: 147048
Ion Ratio Lower Upper
82 100
128 44.9 34.7 52.1
54 61.1 49.5 74.3

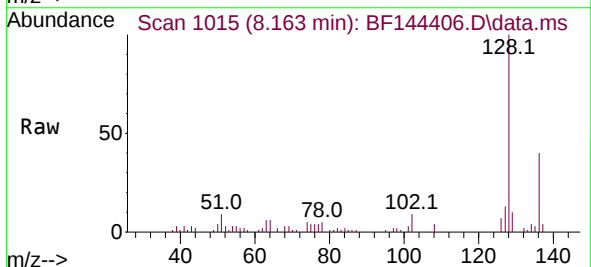
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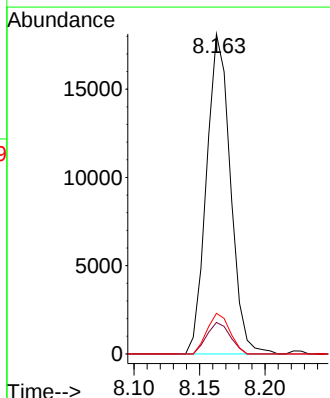
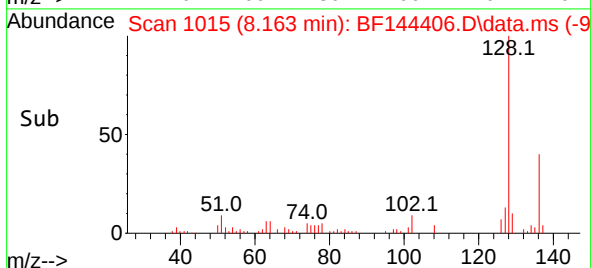
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025

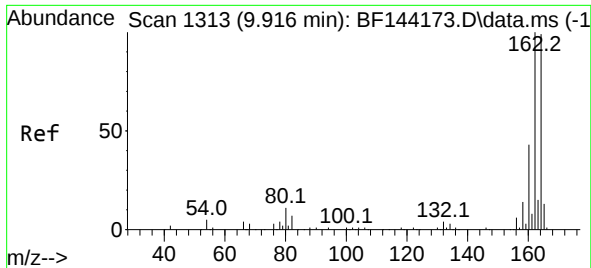


#31
Naphthalene
Concen: 3.115 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF144406.D
Acq: 02 Dec 2025 16:49



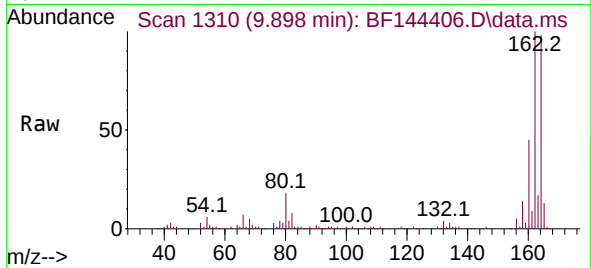
Tgt Ion:128 Resp: 23049
Ion Ratio Lower Upper
128 100
129 9.8 8.9 13.3
127 12.7 10.3 15.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF144406.D
Acq: 02 Dec 2025 16:49

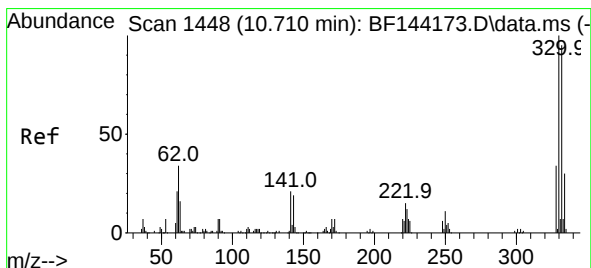
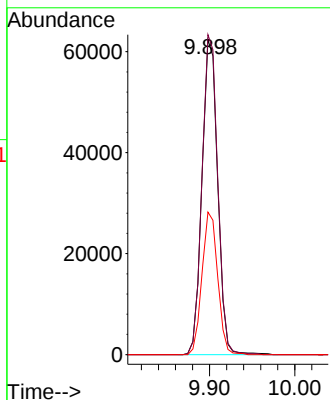
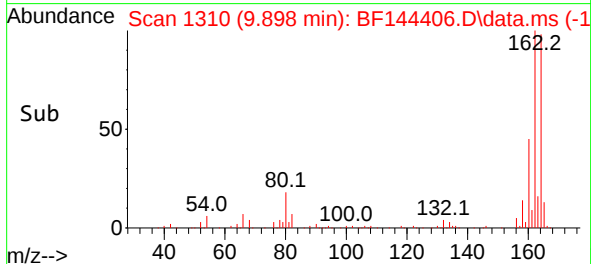
Instrument :
BNA_F
ClientSampleId :
SB-1125-25



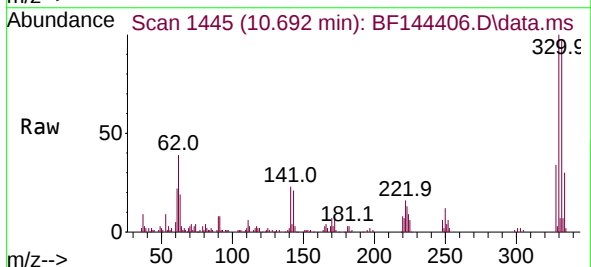
Tgt Ion:164 Resp: 79862
Ion Ratio Lower Upper
164 100
162 101.6 81.1 121.7
160 45.3 34.5 51.7

Manual Integrations
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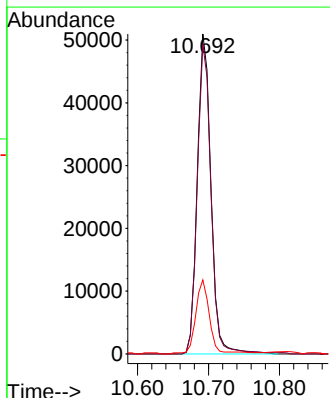
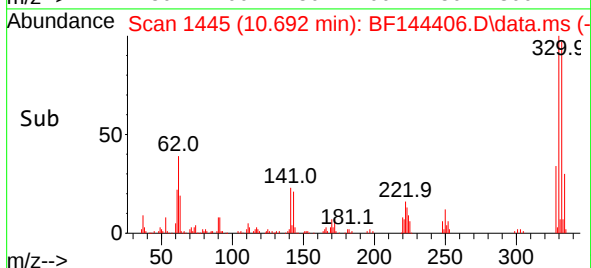
Reviewed By :Jagrut Upadhyay 12/03/2025
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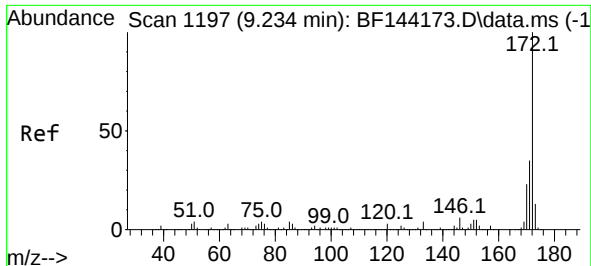


#42
2,4,6-Tribromophenol
Concen: 67.817 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144406.D
Acq: 02 Dec 2025 16:49



Tgt Ion:330 Resp: 67969
Ion Ratio Lower Upper
330 100
332 97.1 76.7 115.1
141 22.7 17.8 26.8





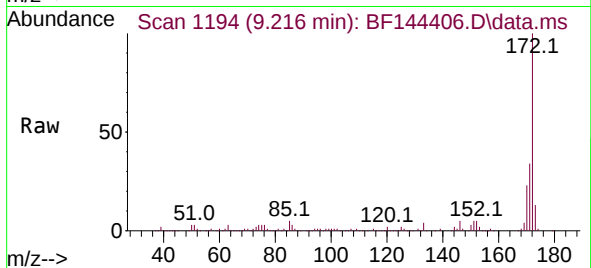
#45
2-Fluorobiphenyl
Concen: 53.088 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144406.D
Acq: 02 Dec 2025 16:49

Instrument :

BNA_F

ClientSampleId :

SB-1125-25

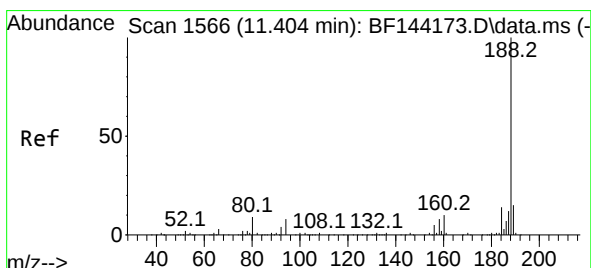
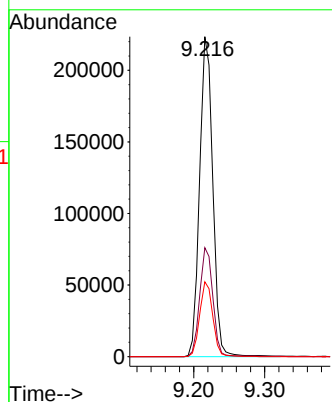
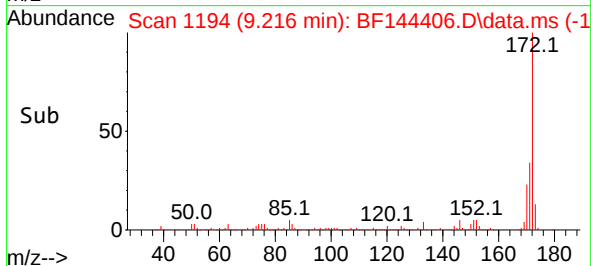


Tgt Ion:172 Resp: 287081
Ion Ratio Lower Upper
172 100
171 34.0 28.1 42.1
170 23.4 18.6 28.0

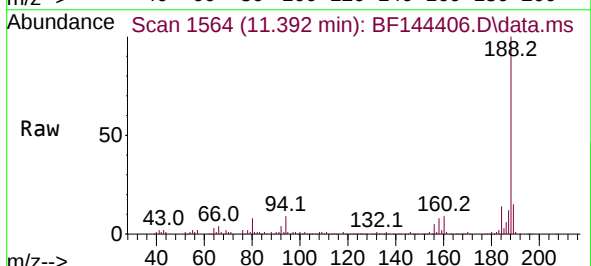
Manual Integrations

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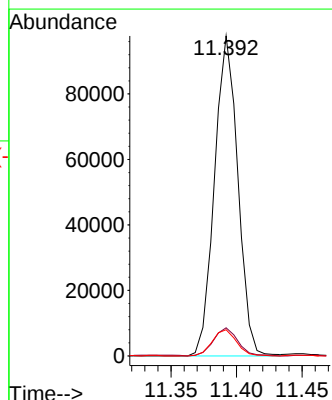
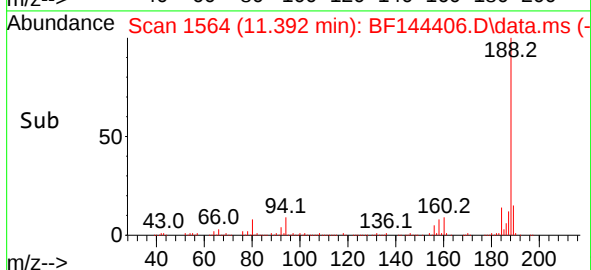
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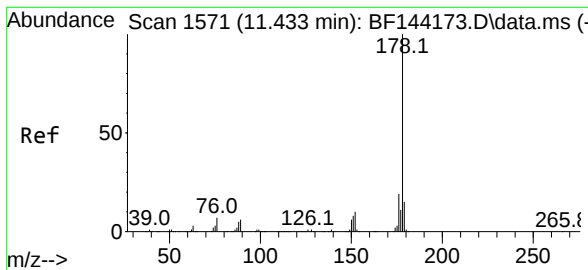


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF144406.D
Acq: 02 Dec 2025 16:49



Tgt Ion:188 Resp: 121200
Ion Ratio Lower Upper
188 100
94 8.8 6.2 9.2
80 8.2 6.9 10.3





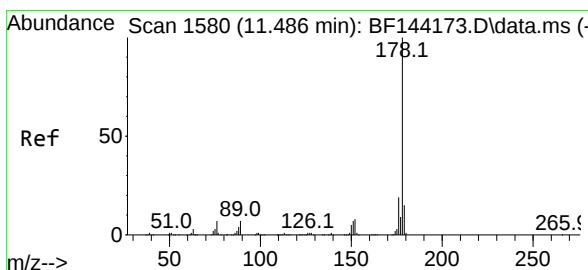
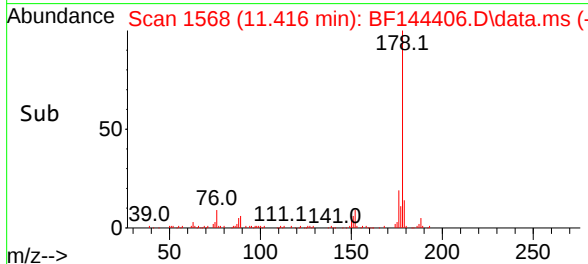
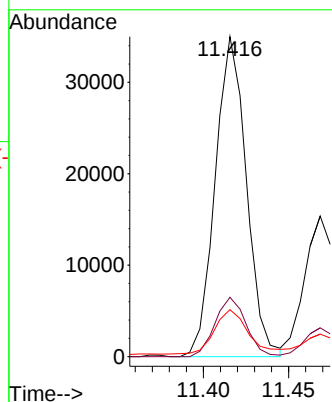
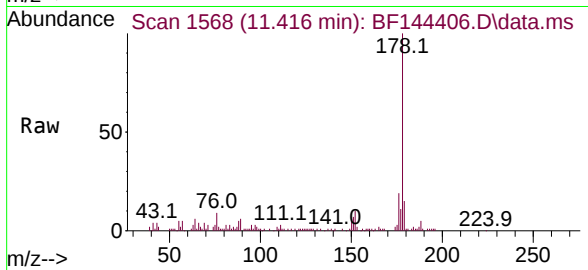
#71
Phenanthrene
Concen: 7.384 ng
RT: 11.416 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BF144406.D
Acq: 02 Dec 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SB-1125-25

Tgt Ion:178 Resp: 44559
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 14.7 12.2 18.4

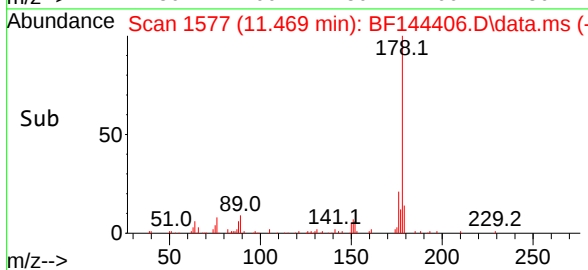
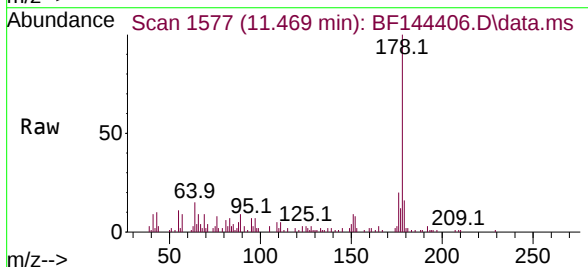
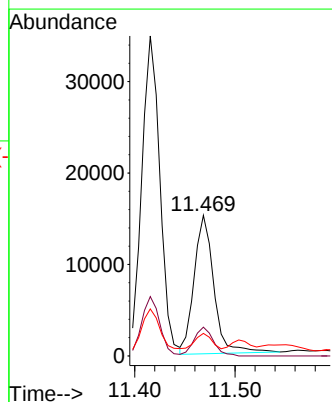
Manual Integrations
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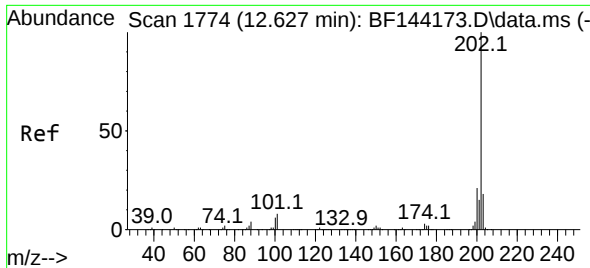
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#72
Anthracene
Concen: 3.374 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BF144406.D
Acq: 02 Dec 2025 16:49

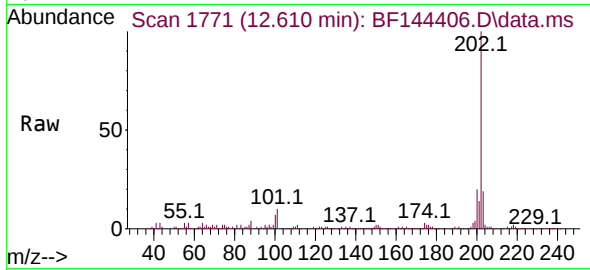
Tgt Ion:178 Resp: 20701
Ion Ratio Lower Upper
178 100
176 20.4 15.3 22.9
179 16.0 12.0 18.0





#75
Fluoranthene
Concen: 18.332 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144406.D
Acq: 02 Dec 2025 16:49

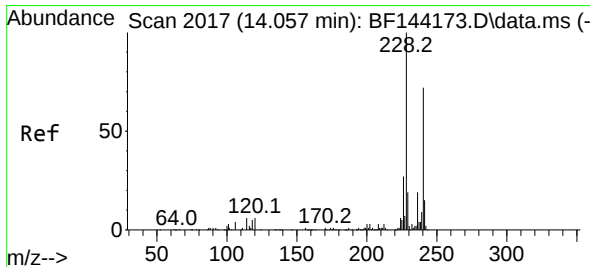
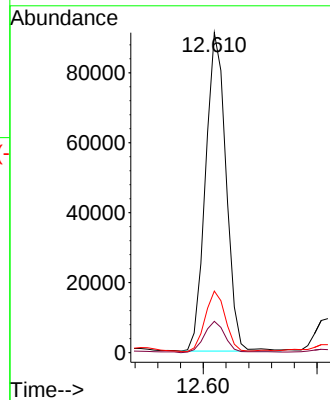
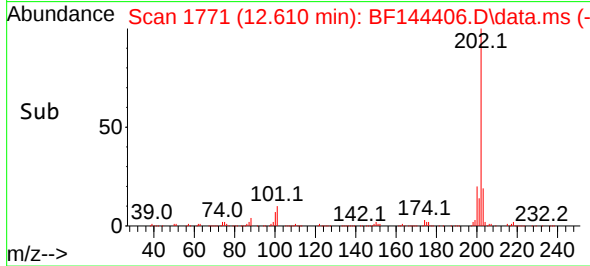
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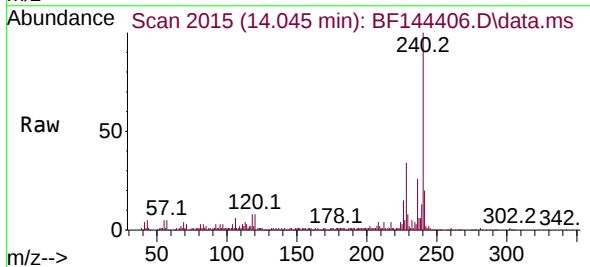
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Ion Ratio Lower Upper
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101 9.8 0.0 27.9
203 19.2 0.0 37.5

Manual Integrations
APPROVED

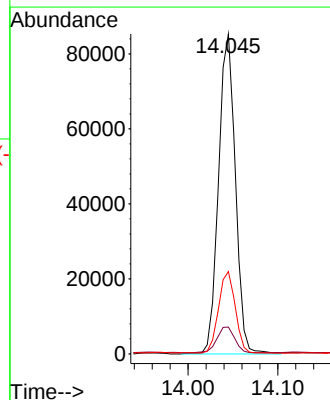
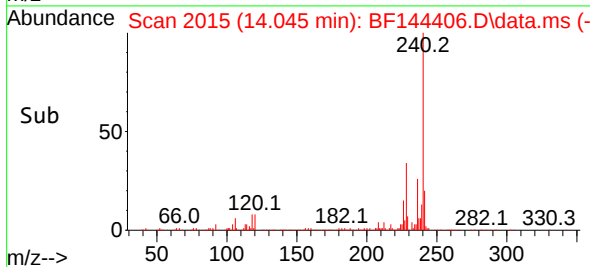
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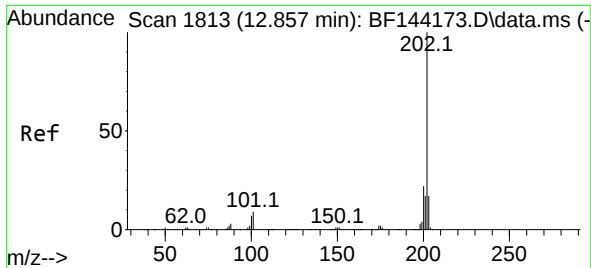


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144406.D
Acq: 02 Dec 2025 16:49



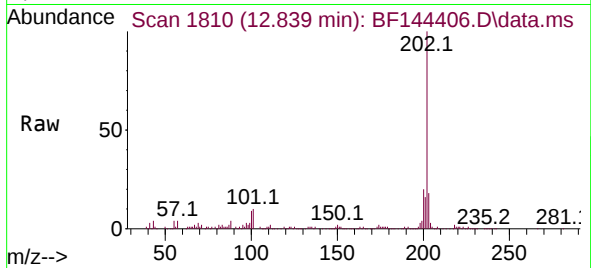
Tgt Ion:240 Resp: 111428
Ion Ratio Lower Upper
240 100
120 8.4 6.6 10.0
236 25.7 21.4 32.2





#78
Pyrene
Concen: 11.921 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144406.D
Acq: 02 Dec 2025 16:49

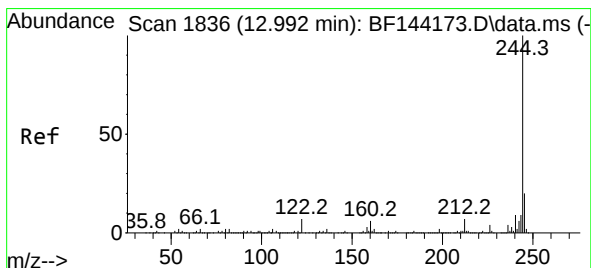
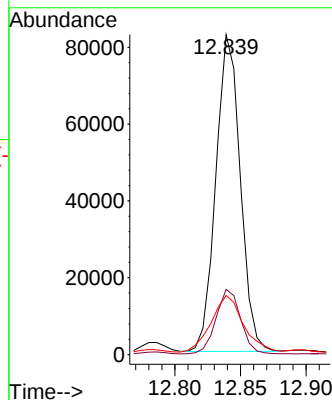
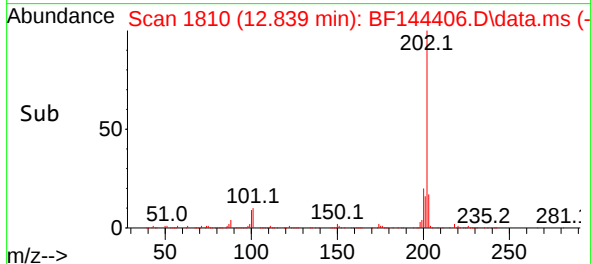
Instrument :
BNA_F
ClientSampleId :
SB-1125-25



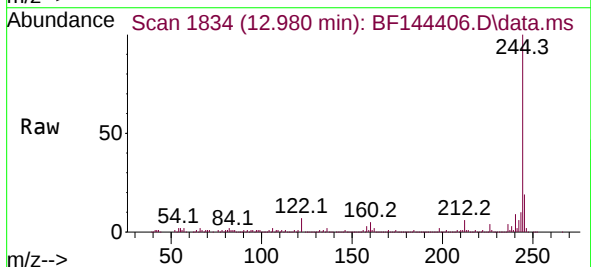
Tgt Ion:202 Resp: 107101
Ion Ratio Lower Upper
202 100
200 20.4 17.2 25.8
203 18.5 13.7 20.5

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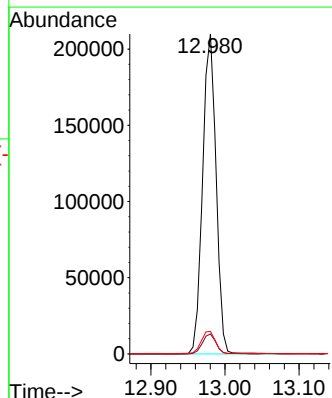
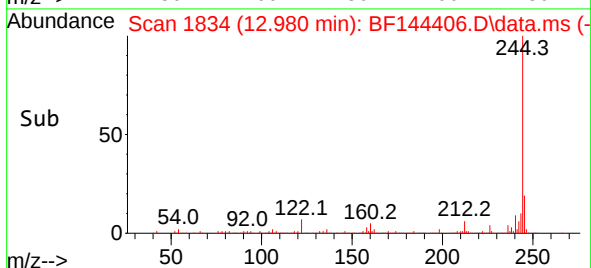
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025

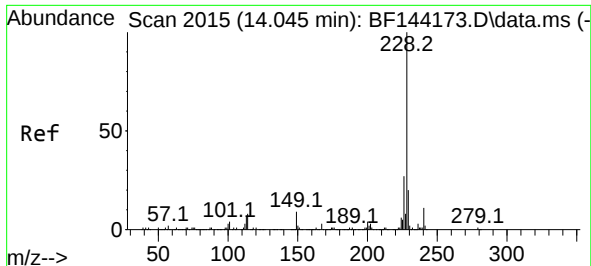


#79
Terphenyl-d14
Concen: 37.666 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144406.D
Acq: 02 Dec 2025 16:49



Tgt Ion:244 Resp: 264227
Ion Ratio Lower Upper
244 100
212 6.2 5.3 7.9
122 7.0 5.6 8.4





#81
Benzo(a)anthracene
Concen: 11.467 ng
RT: 14.033 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144406.D
Acq: 02 Dec 2025 16:49

Instrument :

BNA_F

ClientSampleId :

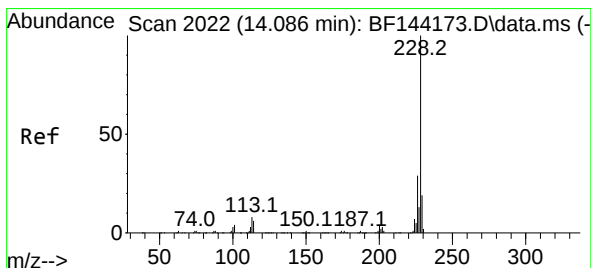
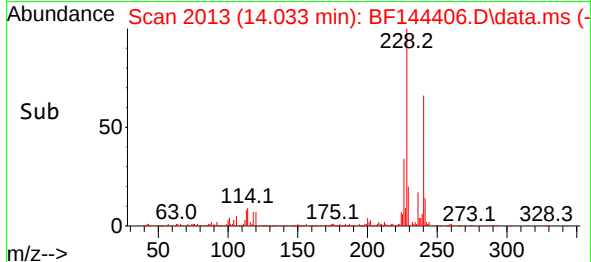
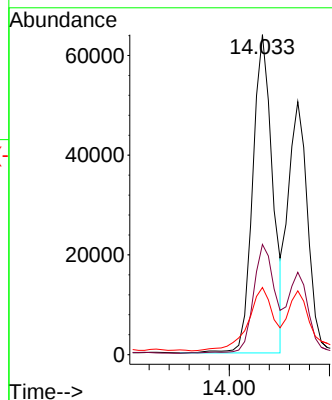
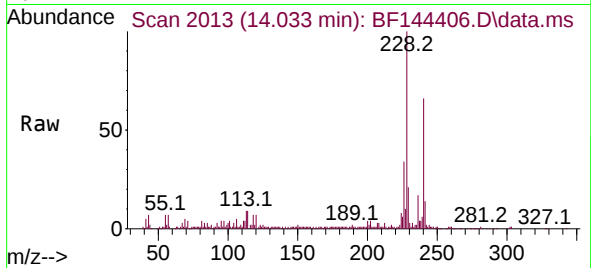
SB-1125-25

Tgt Ion:228 Resp: 88559
Ion Ratio Lower Upper
228 100
226 34.4 21.8 32.8
229 21.0 15.8 23.6

Manual Integrations

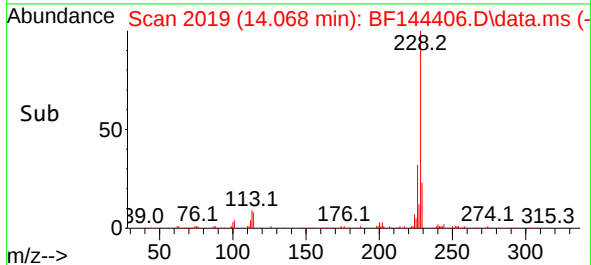
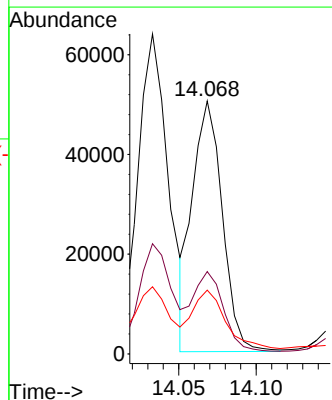
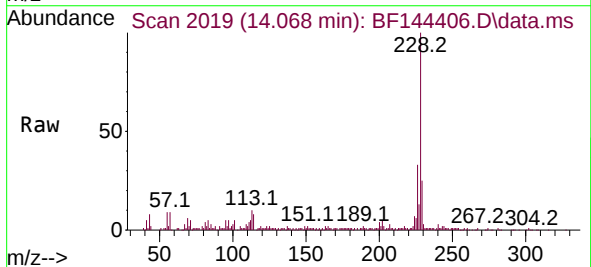
APPROVED

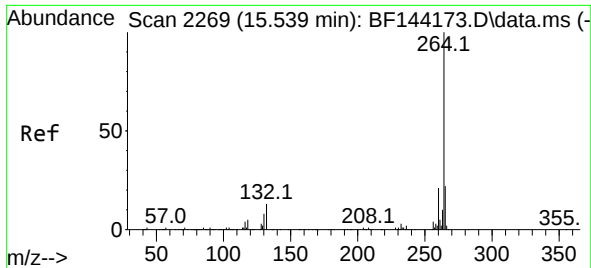
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#83
Chrysene
Concen: 9.472 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144406.D
Acq: 02 Dec 2025 16:49

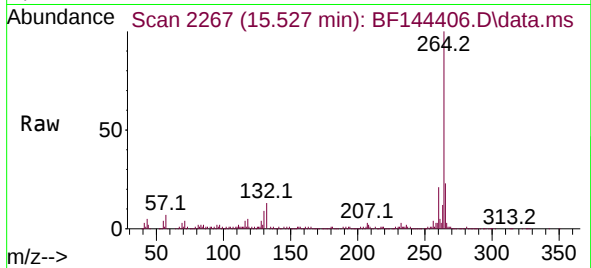
Tgt Ion:228 Resp: 67526
Ion Ratio Lower Upper
228 100
226 32.6 22.9 34.3
229 25.2 15.0 22.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144406.D
Acq: 02 Dec 2025 16:49

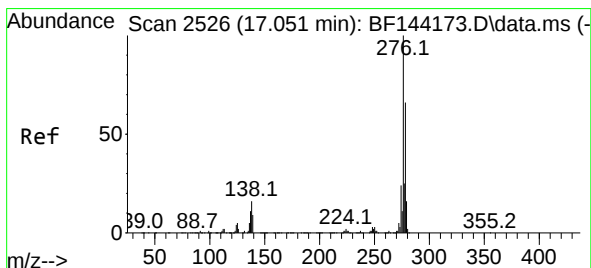
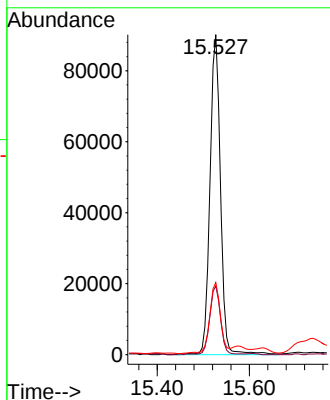
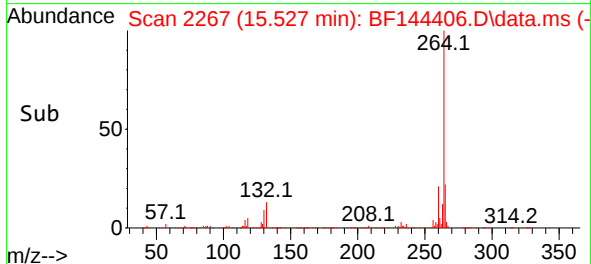
Instrument :
BNA_F
ClientSampleId :
SB-1125-25



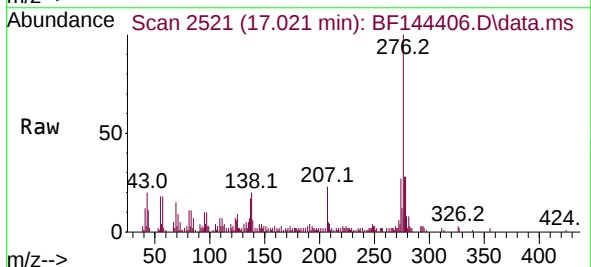
Tgt Ion:264 Resp: 142215
Ion Ratio Lower Upper
264 100
260 21.5 17.1 25.7
265 22.5 17.4 26.0

Manual Integrations
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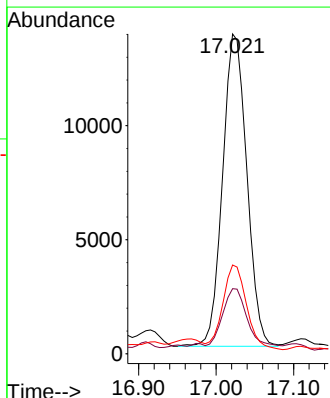
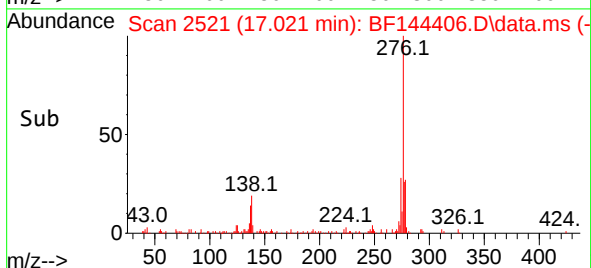
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025

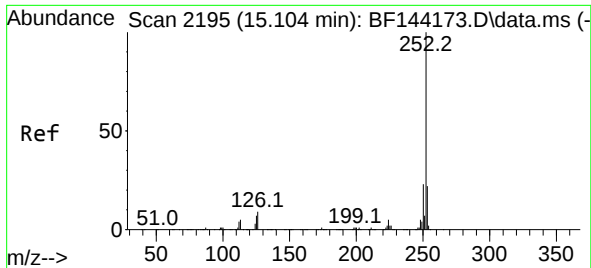


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.921 ng
RT: 17.021 min Scan# 2521
Delta R.T. -0.012 min
Lab File: BF144406.D
Acq: 02 Dec 2025 16:49



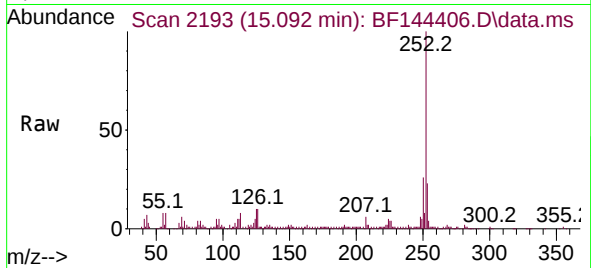
Tgt Ion:276 Resp: 29818
Ion Ratio Lower Upper
276 100
138 21.1 13.9 20.9#
277 26.5 19.8 29.6





#88
Benzo(b)fluoranthene
Concen: 11.143 ng m
RT: 15.092 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF144406.D
Acq: 02 Dec 2025 16:49

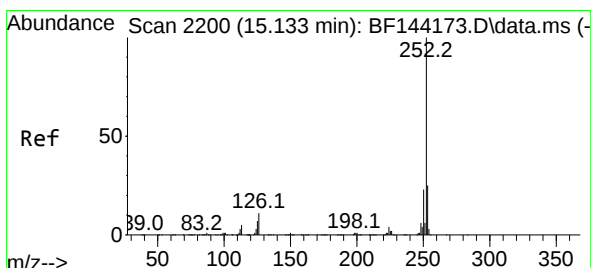
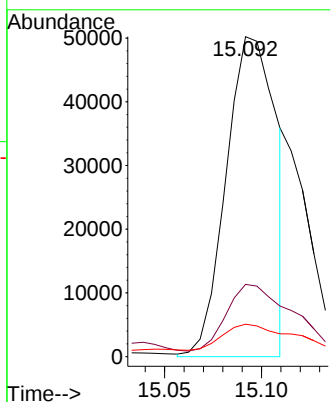
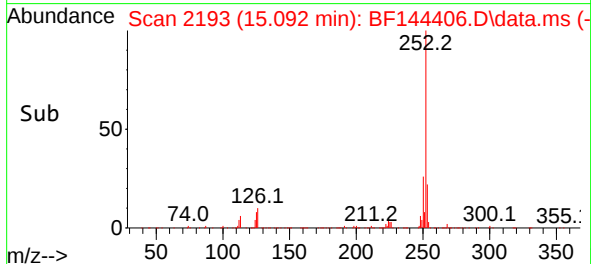
Instrument :
BNA_F
ClientSampleId :
SB-1125-25



Tgt Ion:252 Resp: 90092
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 10.1 5.3 7.9

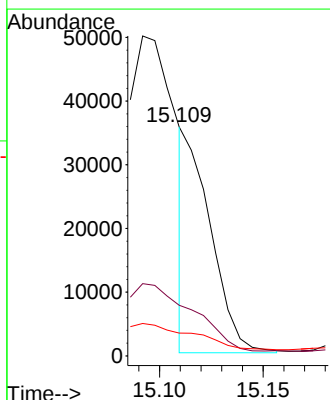
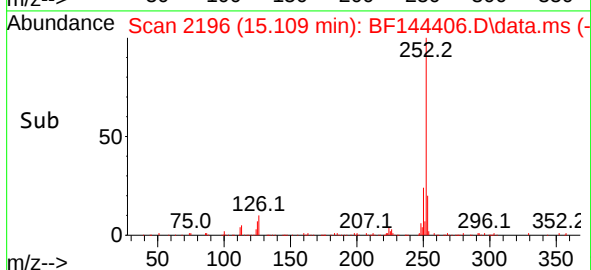
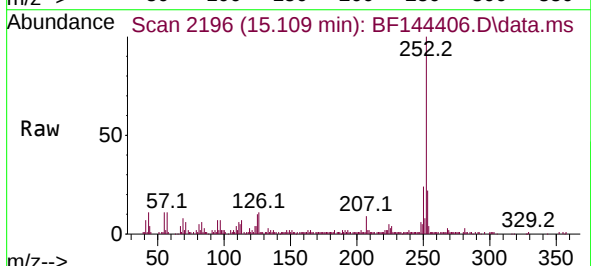
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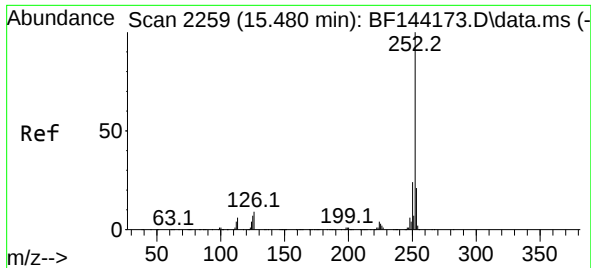
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#89
Benzo(k)fluoranthene
Concen: 3.906 ng m
RT: 15.109 min Scan# 2196
Delta R.T. -0.018 min
Lab File: BF144406.D
Acq: 02 Dec 2025 16:49

Tgt Ion:252 Resp: 29558
Ion Ratio Lower Upper
252 100
253 22.1 18.0 27.0
125 10.0 5.4 8.2





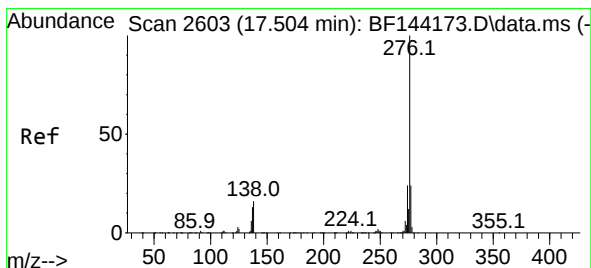
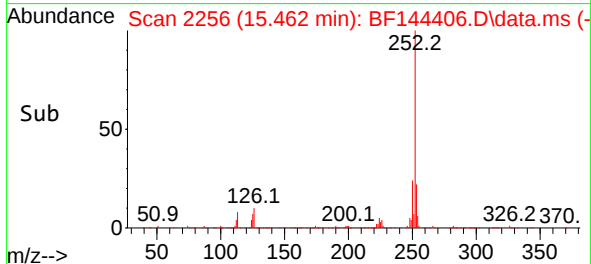
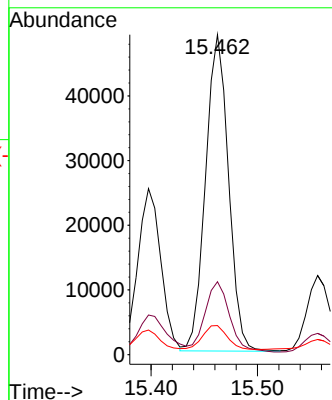
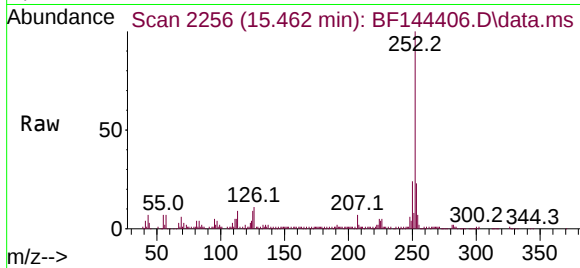
#90
Benzo(a)pyrene
Concen: 9.806 ng
RT: 15.462 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144406.D
Acq: 02 Dec 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SB-1125-25

Tgt Ion:252 Resp: 73140
Ion Ratio Lower Upper
252 100
253 22.8 16.7 25.1
125 9.1 5.7 8.5

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Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#92
Benzo(g,h,i)perylene
Concen: 3.223 ng
RT: 17.480 min Scan# 2599
Delta R.T. -0.012 min
Lab File: BF144406.D
Acq: 02 Dec 2025 16:49

Tgt Ion:276 Resp: 26095
Ion Ratio Lower Upper
276 100
277 27.4 19.0 28.4
138 20.8 12.9 19.3

