

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\
 Data File : BF144407.D
 Acq On : 02 Dec 2025 17:19
 Operator : RC/JU
 Sample : Q3742-18
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-24

Manual Integrations
 APPROVED

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

Quant Time: Dec 02 17:39:39 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	40197	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	151185	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	77803	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	116737	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	105661	20.000	ng	0.00
86) Perylene-d12	15.527	264	136950	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	235901	91.837	ng	0.00
7) Phenol-d6	6.492	99	277496	95.341	ng	0.00
23) Nitrobenzene-d5	7.422	82	165014	63.038	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	78690	80.597	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	346356	65.749	ng	-0.01
79) Terphenyl-d14	12.980	244	313147	47.075	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	26376	4.538	ng	100
75) Fluoranthene	12.610	202	61608	10.261	ng	98
78) Pyrene	12.839	202	58547	6.872	ng	98
81) Benzo(a)anthracene	14.033	228	58088m	7.932	ng	
83) Chrysene	14.068	228	45811	6.777	ng	94
87) Indeno(1,2,3-cd)pyrene	17.027	276	22777	2.317	ng	95
88) Benzo(b)fluoranthene	15.092	252	68533m	8.802	ng	
89) Benzo(k)fluoranthene	15.109	252	20595m	2.826	ng	
90) Benzo(a)pyrene	15.462	252	55659	7.749	ng	# 97
92) Benzo(g,h,i)perylene	17.480	276	20302	2.604	ng	# 93

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

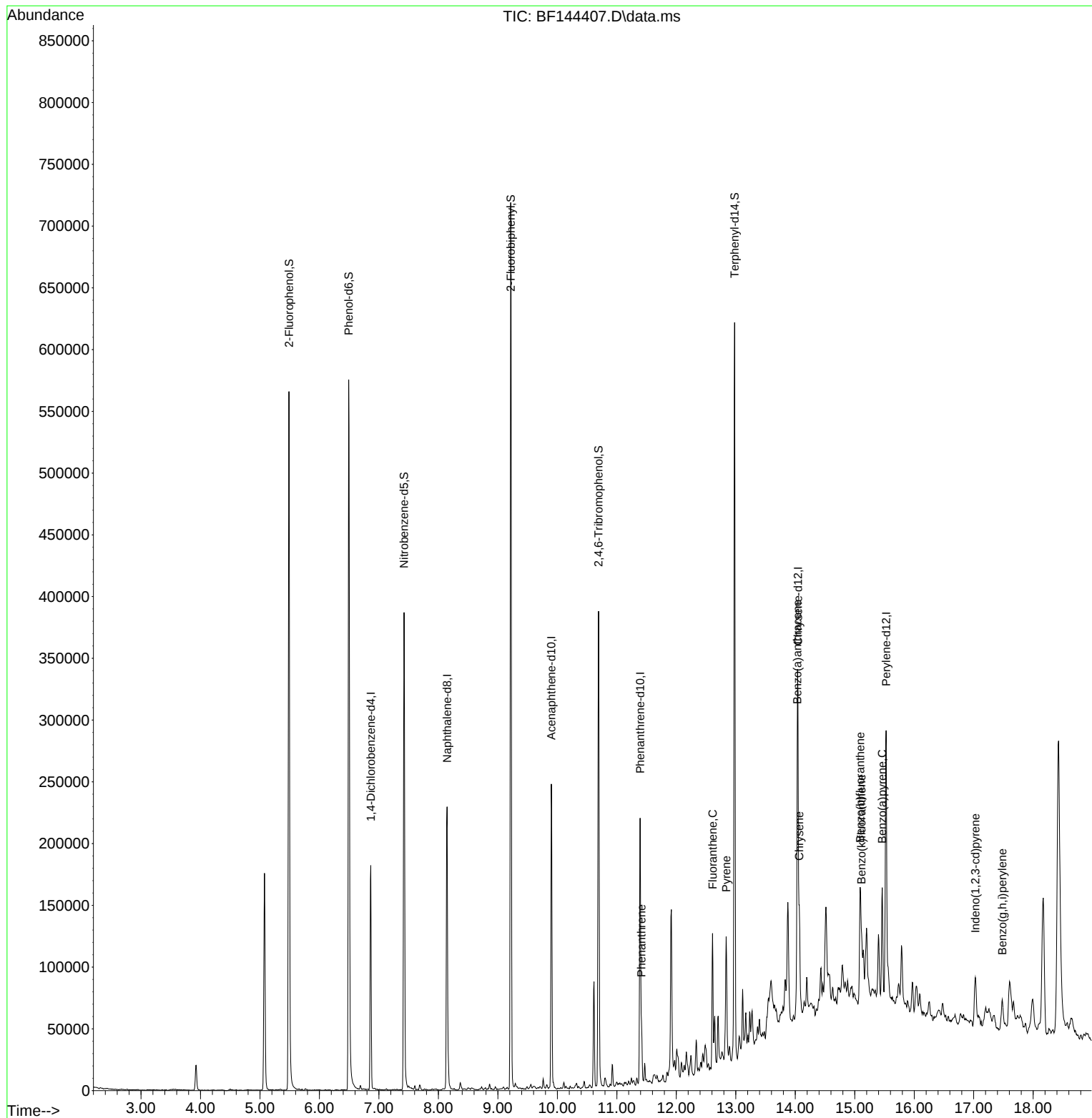
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\
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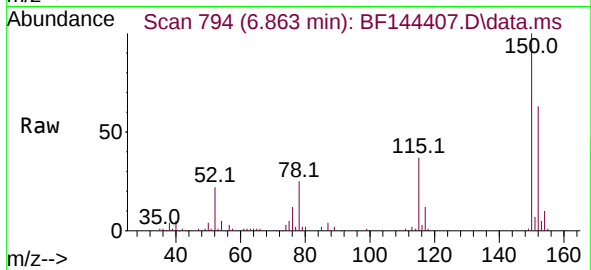
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Supervised By :Sohil Jodhani 12/03/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144407.D
Acq: 02 Dec 2025 17:19

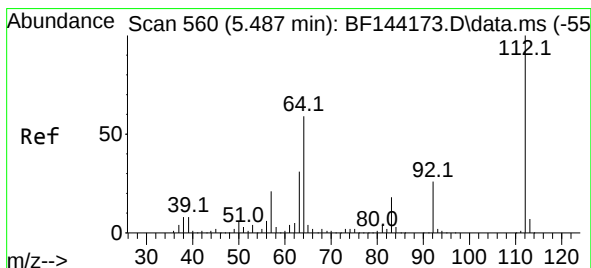
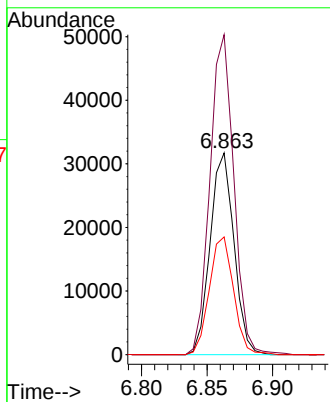
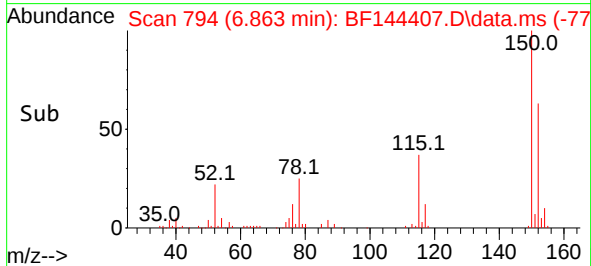
Instrument :
BNA_F
ClientSampleId :
SB-1125-24



Tgt Ion:152 Resp: 40197
Ion Ratio Lower Upper
152 100
150 158.7 127.4 191.0
115 58.4 49.5 74.3

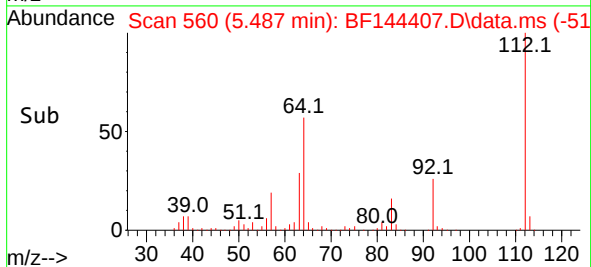
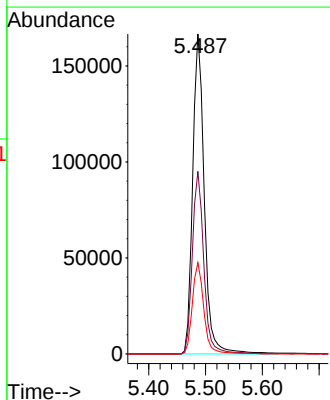
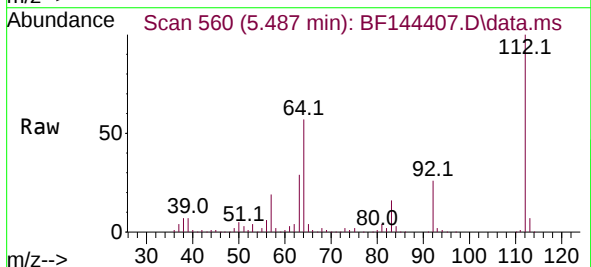
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#5
2-Fluorophenol
Concen: 91.837 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144407.D
Acq: 02 Dec 2025 17:19

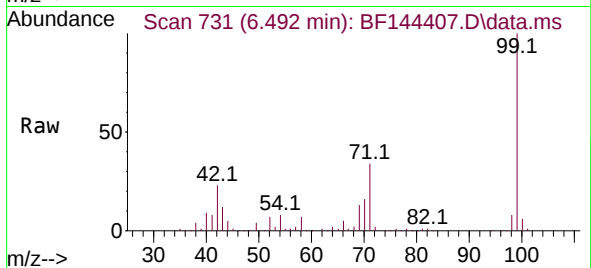
Tgt Ion:112 Resp: 235901
Ion Ratio Lower Upper
112 100
64 57.0 47.2 70.8
63 28.5 24.4 36.6





#7
Phenol-d6
Concen: 95.341 ng
RT: 6.492 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF144407.D
Acq: 02 Dec 2025 17:19

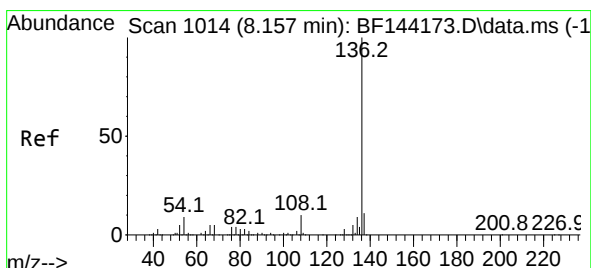
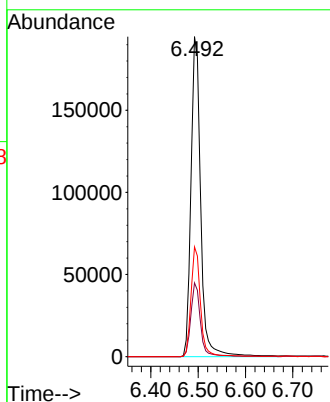
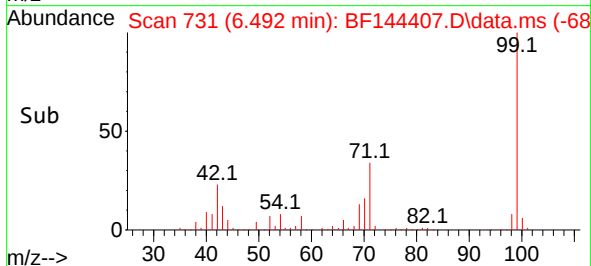
Instrument :
BNA_F
ClientSampleId :
SB-1125-24



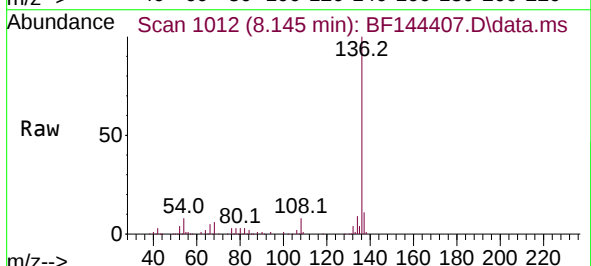
Tgt Ion: 99 Resp: 277496
Ion Ratio Lower Upper
99 100
42 23.0 20.9 31.3
71 34.3 31.4 47.2

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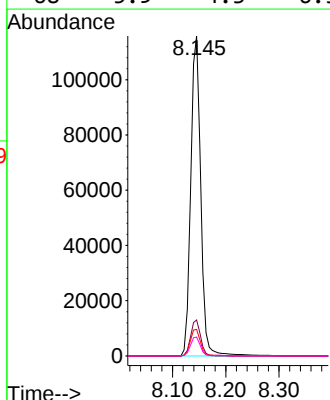
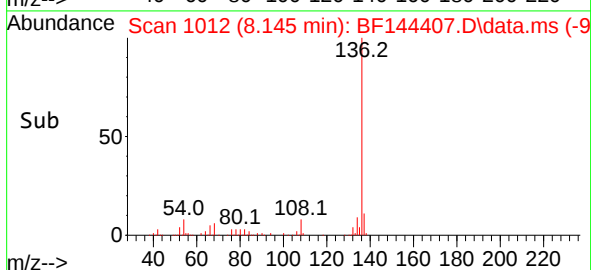
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025

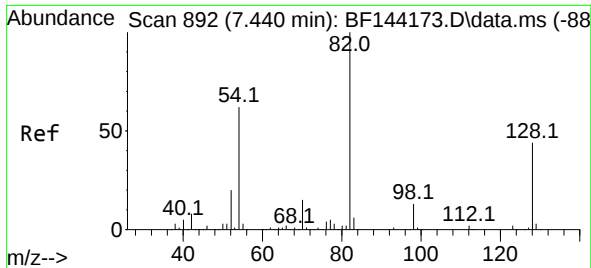


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144407.D
Acq: 02 Dec 2025 17:19



Tgt Ion:136 Resp: 151185
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 8.3 7.0 10.6
68 5.9 4.3 6.5





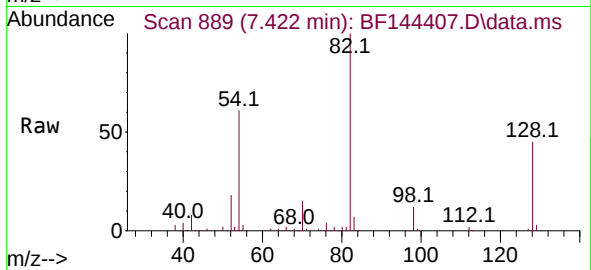
#23
Nitrobenzene-d5
Concen: 63.038 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144407.D
Acq: 02 Dec 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SB-1125-24

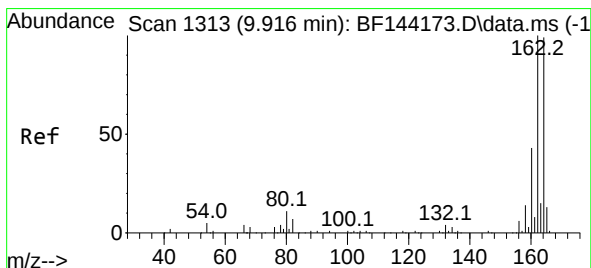
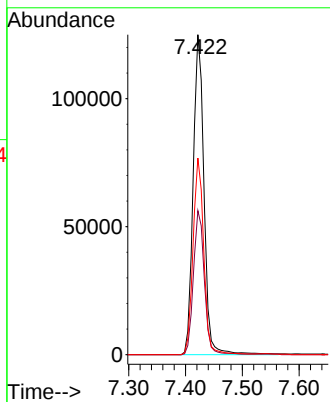
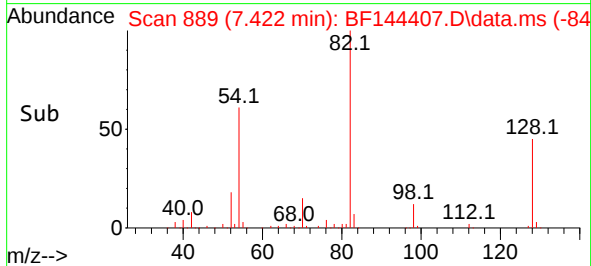


Tgt Ion: 82 Resp: 165014
Ion Ratio Lower Upper
82 100
128 45.0 34.7 52.1
54 61.4 49.5 74.3

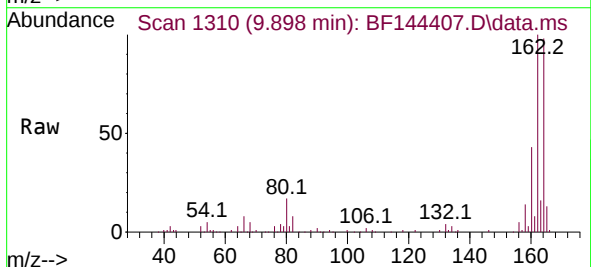
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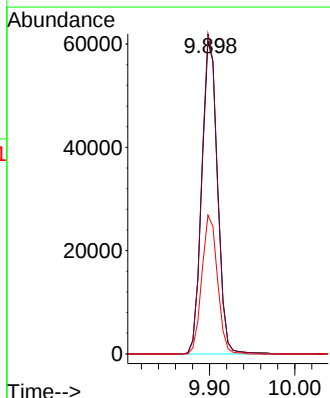
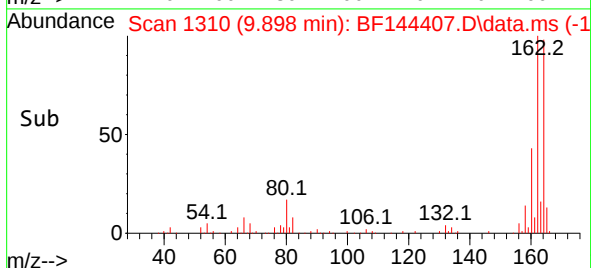
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Supervised By :Sohil Jodhani 12/03/2025

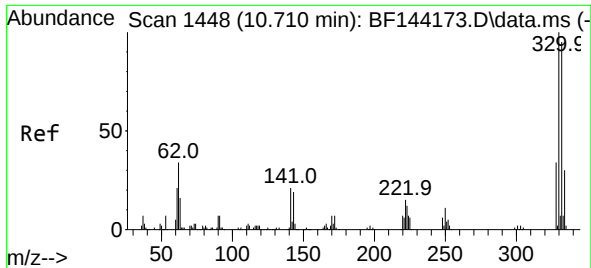


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144407.D
Acq: 02 Dec 2025 17:19



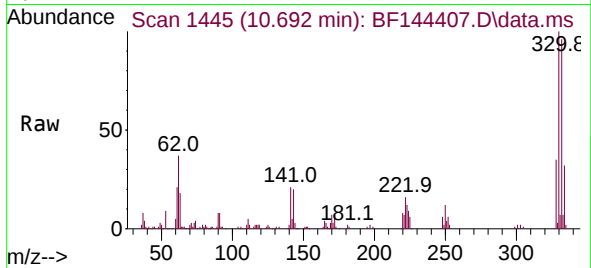
Tgt Ion:164 Resp: 77803
Ion Ratio Lower Upper
164 100
162 102.4 81.1 121.7
160 44.4 34.5 51.7





#42
2,4,6-Tribromophenol
Concen: 80.597 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144407.D
Acq: 02 Dec 2025 17:19

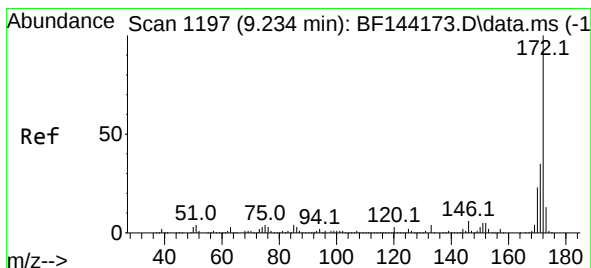
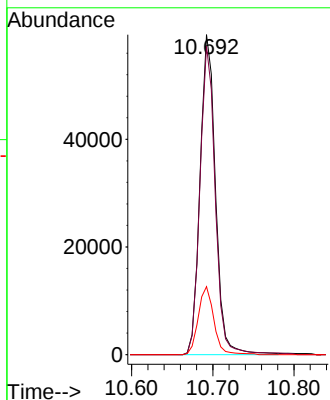
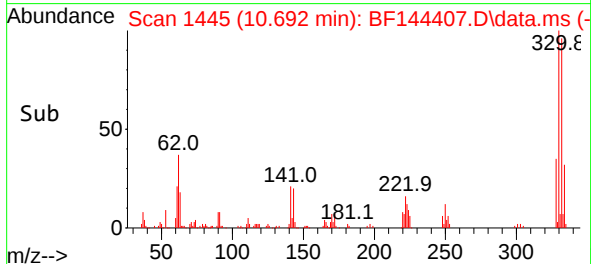
Instrument :
BNA_F
ClientSampleId :
SB-1125-24



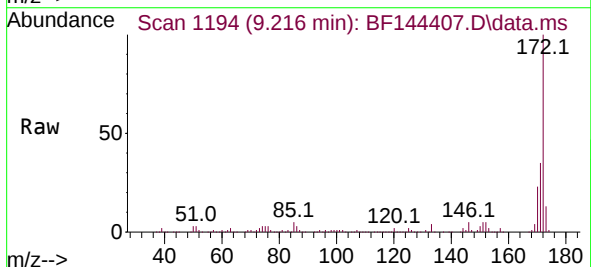
Tgt Ion: 330 Resp: 78690
Ion Ratio Lower Upper
330 100
332 95.7 76.7 115.1
141 21.4 17.8 26.8

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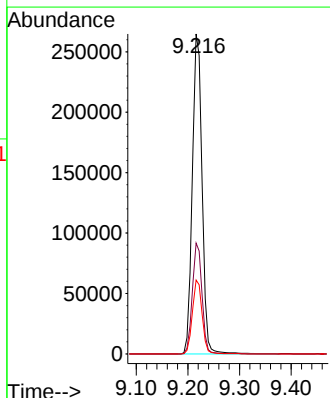
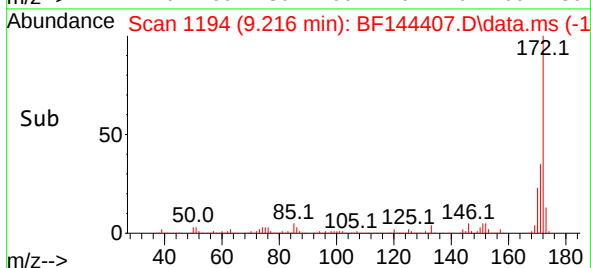
Reviewed By : Jagrut Upadhyay 12/03/2025
Supervised By : Sohil Jodhani 12/03/2025

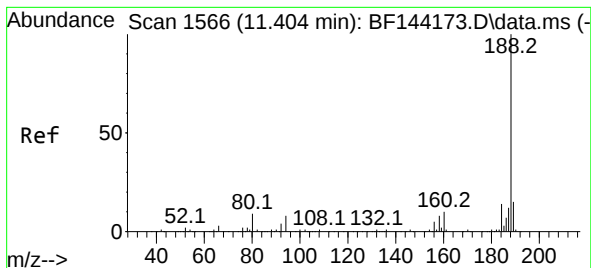


#45
2-Fluorobiphenyl
Concen: 65.749 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144407.D
Acq: 02 Dec 2025 17:19



Tgt Ion: 172 Resp: 346356
Ion Ratio Lower Upper
172 100
171 34.6 28.1 42.1
170 23.1 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: BF144407.D

Acq: 02 Dec 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SB-1125-24

Tgt Ion:188 Resp: 11673

Ion Ratio Lower Upper

188 100

94 8.0 6.2 9.2

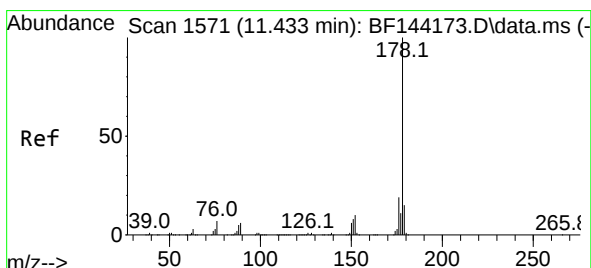
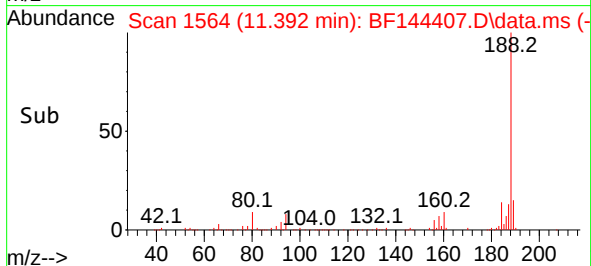
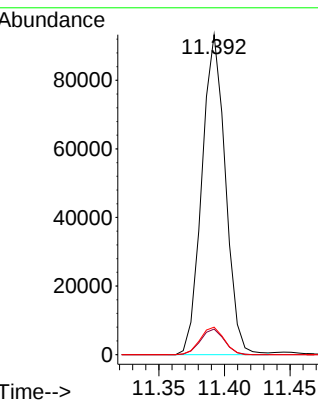
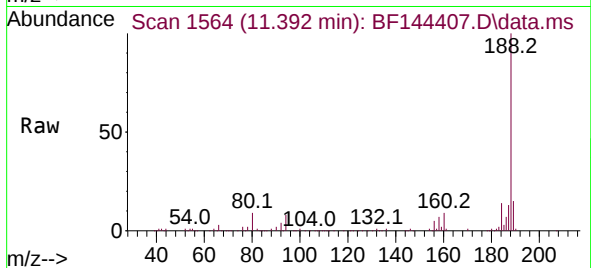
80 8.6 6.9 10.3

Manual Integrations

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#71

Phenanthrene

Concen: 4.538 ng

RT: 11.416 min Scan# 1568

Delta R.T. -0.012 min

Lab File: BF144407.D

Acq: 02 Dec 2025 17:19

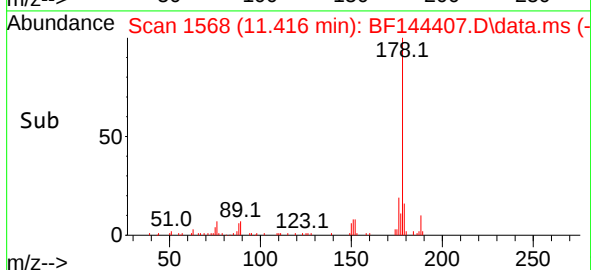
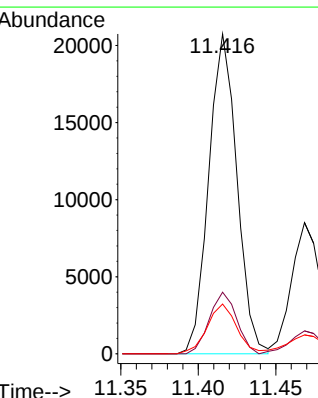
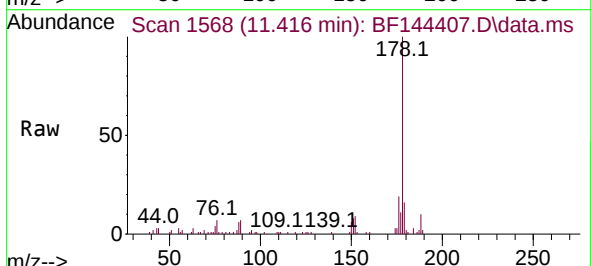
Tgt Ion:178 Resp: 26376

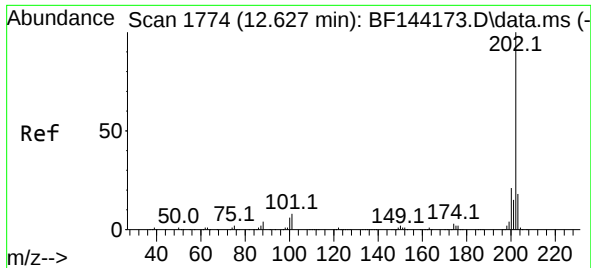
Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

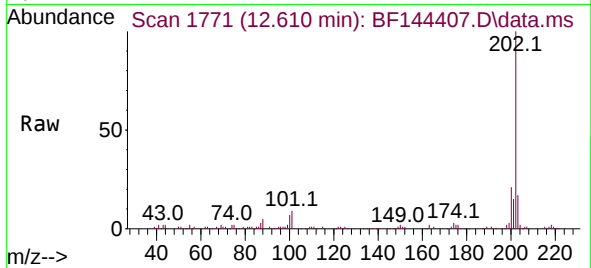
179 15.6 12.2 18.4





#75
Fluoranthene
Concen: 10.261 ng
RT: 12.610 min Scan# 1774
Delta R.T. -0.012 min
Lab File: BF144407.D
Acq: 02 Dec 2025 17:19

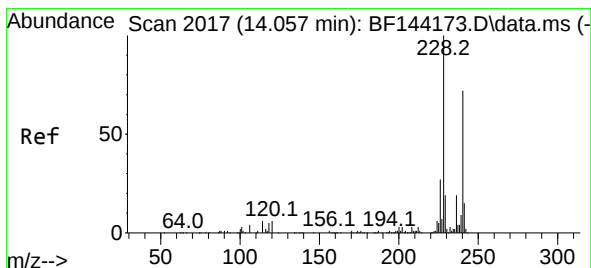
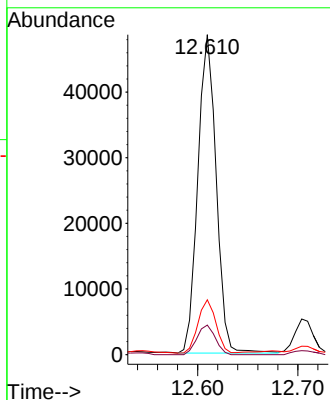
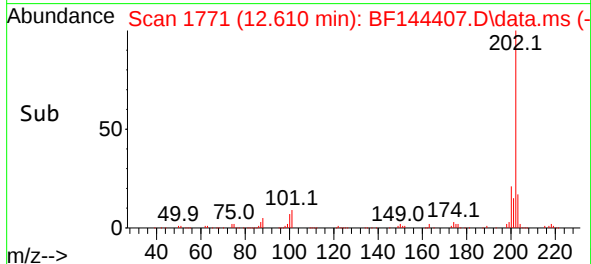
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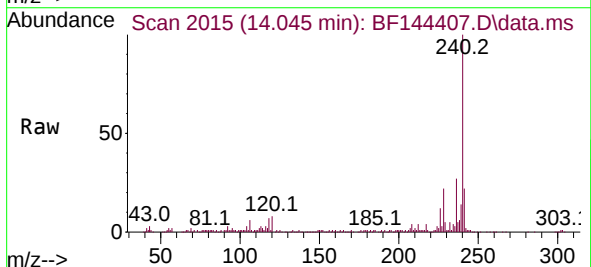
Tgt Ion:202 Resp: 61608
Ion Ratio Lower Upper
202 100
101 9.2 0.0 27.9
203 17.1 0.0 37.5

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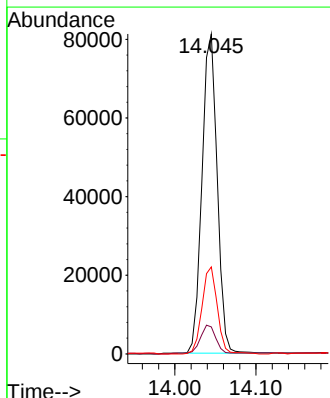
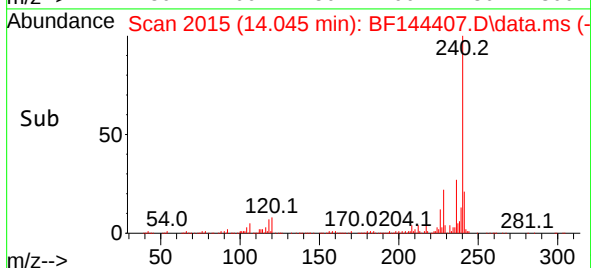
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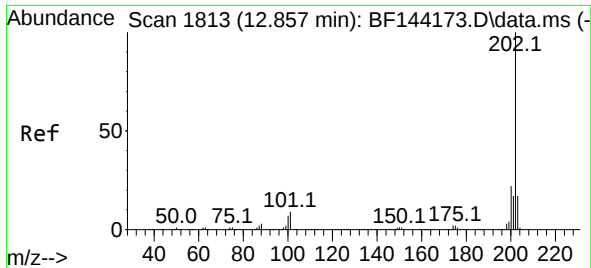


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144407.D
Acq: 02 Dec 2025 17:19



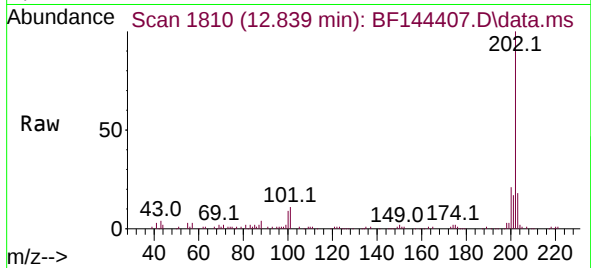
Tgt Ion:240 Resp: 105661
Ion Ratio Lower Upper
240 100
120 8.4 6.6 10.0
236 27.2 21.4 32.2





#78
Pyrene
Concen: 6.872 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144407.D
Acq: 02 Dec 2025 17:19

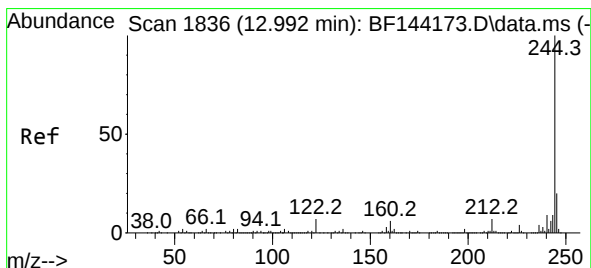
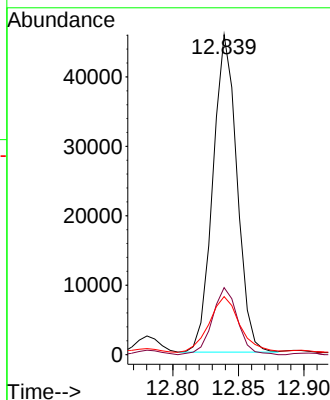
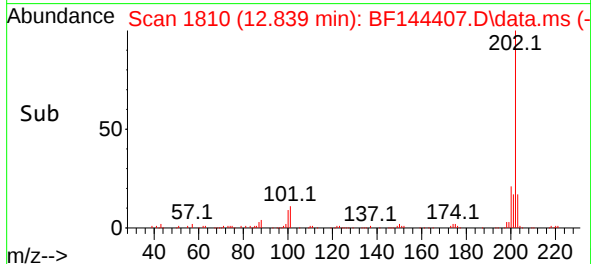
Instrument :
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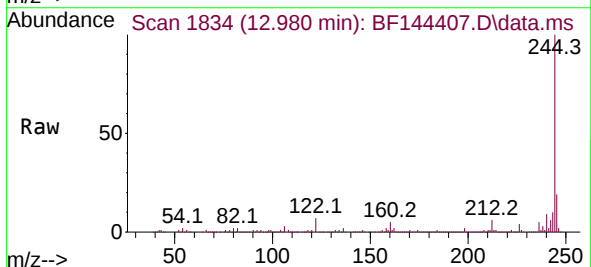
Tgt Ion:202 Resp: 5854
Ion Ratio Lower Upper
202 100
200 20.9 17.2 25.8
203 18.1 13.7 20.5

Manual Integrations
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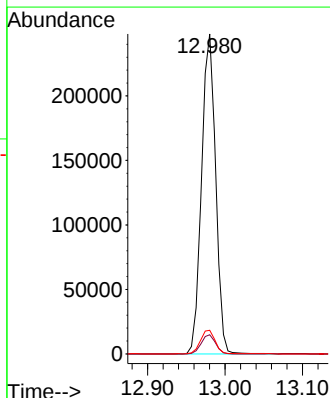
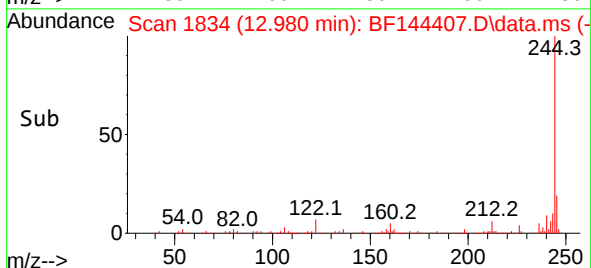
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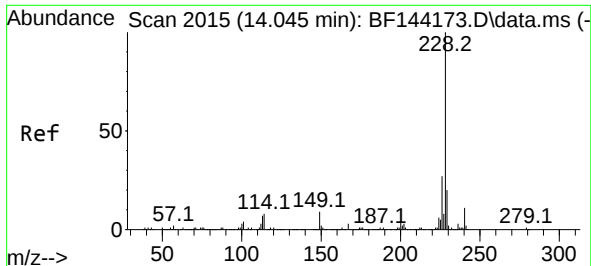


#79
Terphenyl-d14
Concen: 47.075 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144407.D
Acq: 02 Dec 2025 17:19



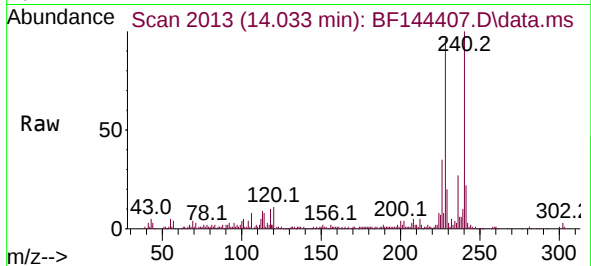
Tgt Ion:244 Resp: 313147
Ion Ratio Lower Upper
244 100
212 6.0 5.3 7.9
122 7.4 5.6 8.4





#81
Benzo(a)anthracene
Concen: 7.932 ng m
RT: 14.033 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144407.D
Acq: 02 Dec 2025 17:19

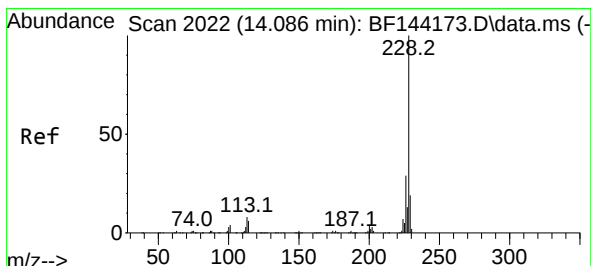
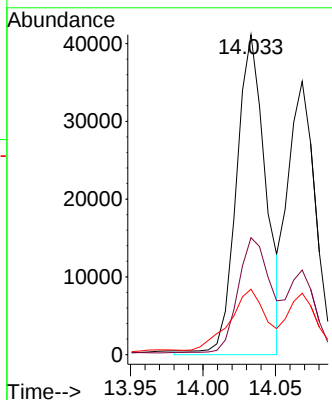
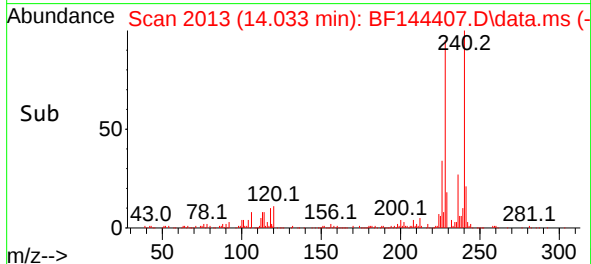
Instrument :
BNA_F
ClientSampleId :
SB-1125-24



Tgt Ion:228 Resp: 5808
Ion Ratio Lower Upper
228 100
226 36.5 21.8 32.8
229 20.4 15.8 23.6

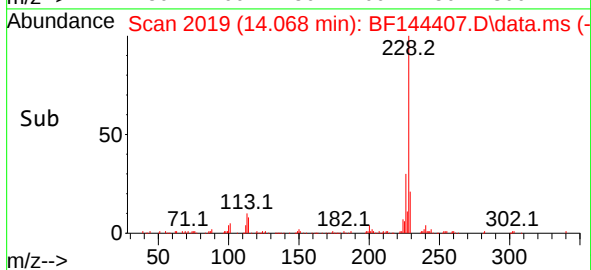
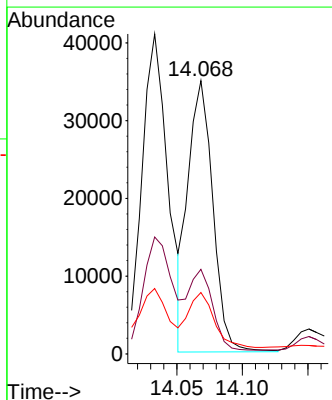
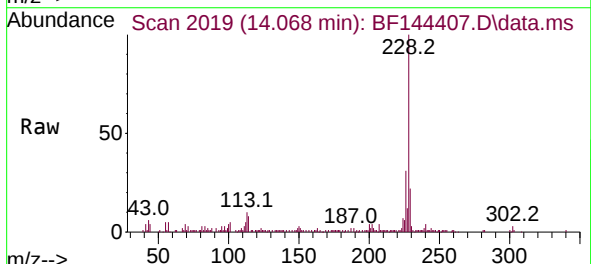
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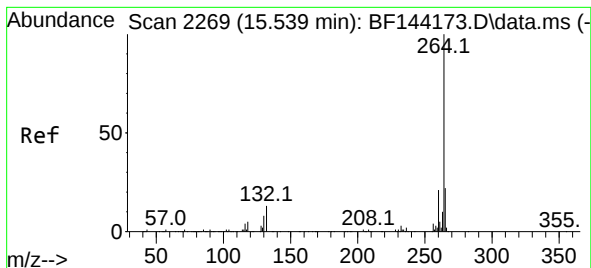
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#83
Chrysene
Concen: 6.777 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144407.D
Acq: 02 Dec 2025 17:19

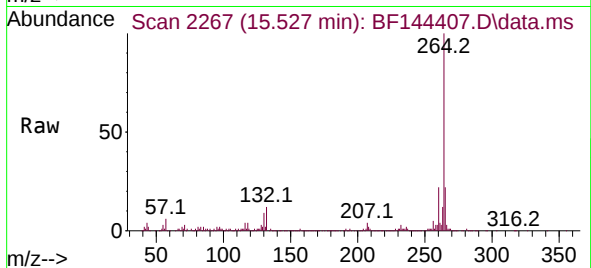
Tgt Ion:228 Resp: 45811
Ion Ratio Lower Upper
228 100
226 30.9 22.9 34.3
229 22.5 15.0 22.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144407.D
Acq: 02 Dec 2025 17:19

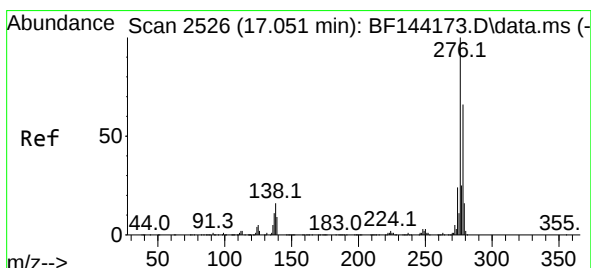
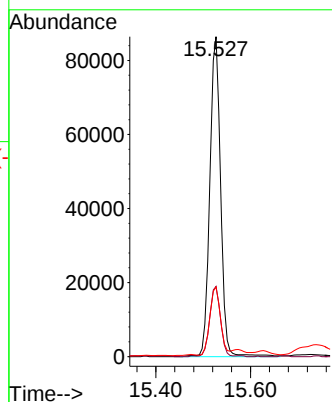
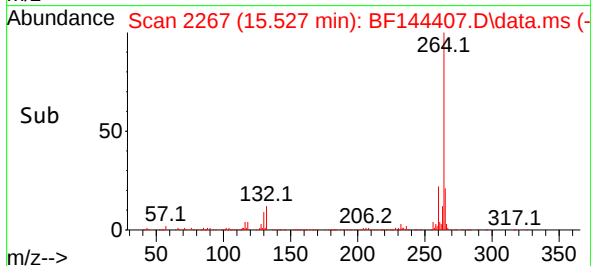
Instrument :
BNA_F
ClientSampleId :
SB-1125-24



Tgt Ion:264 Resp: 136950
Ion Ratio Lower Upper
264 100
260 21.9 17.1 25.7
265 21.8 17.4 26.0

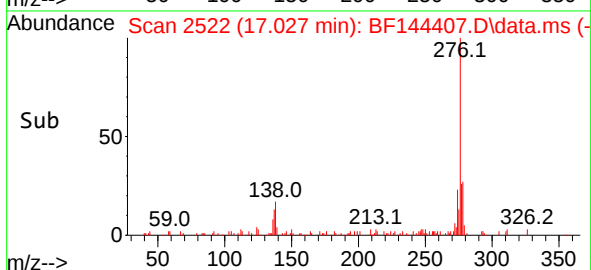
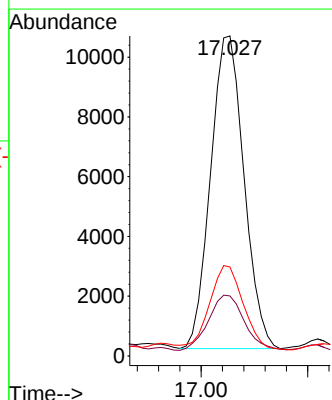
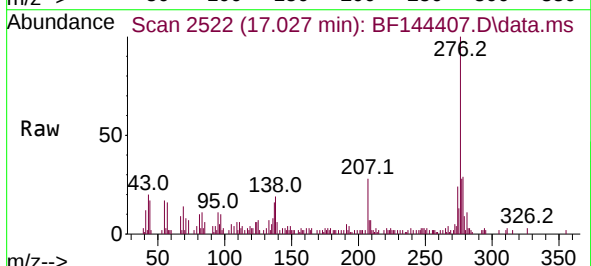
Manual Integrations
APPROVED

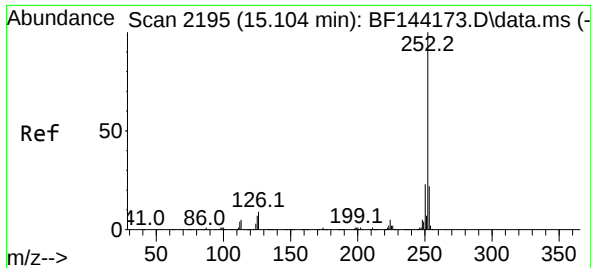
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.317 ng
RT: 17.027 min Scan# 2522
Delta R.T. -0.006 min
Lab File: BF144407.D
Acq: 02 Dec 2025 17:19

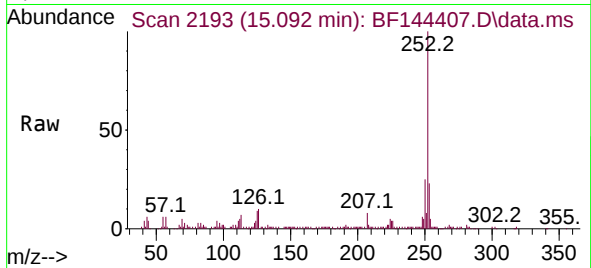
Tgt Ion:276 Resp: 22777
Ion Ratio Lower Upper
276 100
138 19.2 13.9 20.9
277 27.3 19.8 29.6





#88
Benzo(b)fluoranthene
Concen: 8.802 ng m
RT: 15.092 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF144407.D
Acq: 02 Dec 2025 17:19

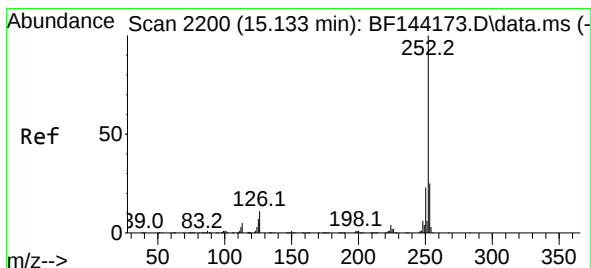
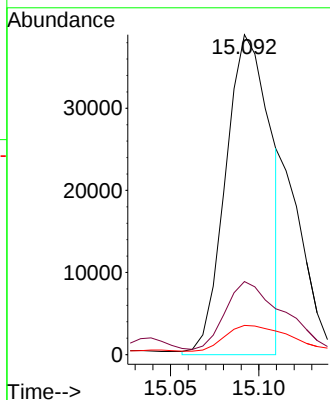
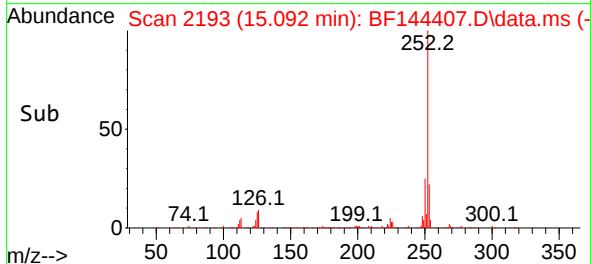
Instrument :
BNA_F
ClientSampleId :
SB-1125-24



Tgt Ion:252 Resp: 68533
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 9.2 5.3 7.9

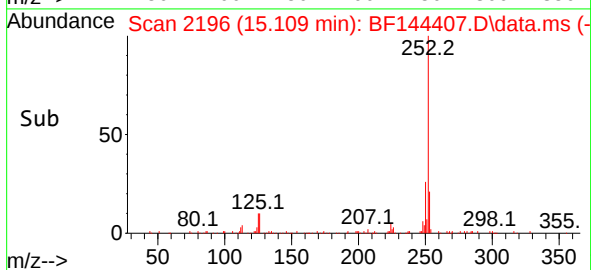
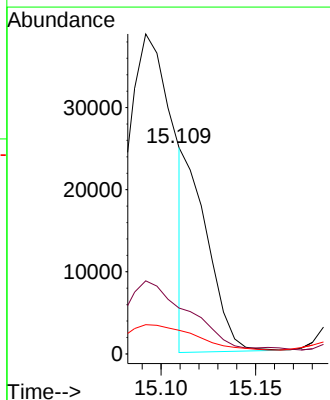
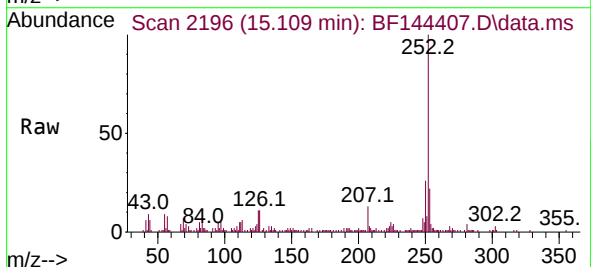
Manual Integrations
APPROVED

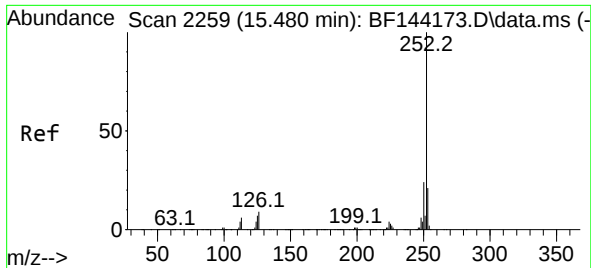
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#89
Benzo(k)fluoranthene
Concen: 2.826 ng m
RT: 15.109 min Scan# 2196
Delta R.T. -0.018 min
Lab File: BF144407.D
Acq: 02 Dec 2025 17:19

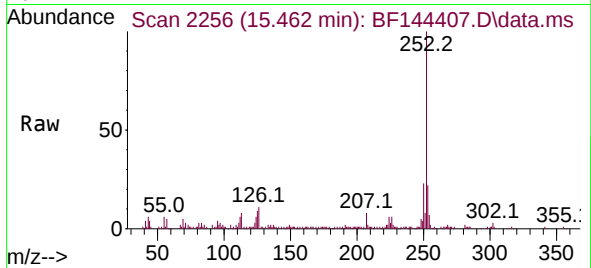
Tgt Ion:252 Resp: 20595
Ion Ratio Lower Upper
252 100
253 22.2 18.0 27.0
125 11.5 5.4 8.2





#90
Benzo(a)pyrene
Concen: 7.749 ng
RT: 15.462 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144407.D
Acq: 02 Dec 2025 17:19

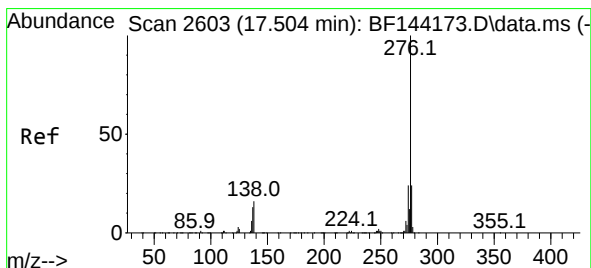
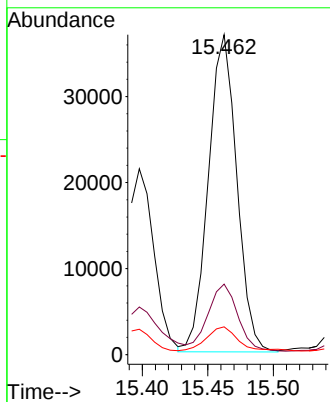
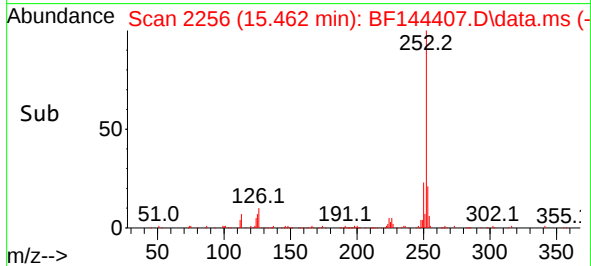
Instrument :
BNA_F
ClientSampleId :
SB-1125-24



Tgt Ion:252 Resp: 55659
Ion Ratio Lower Upper
252 100
253 22.0 16.7 25.1
125 8.7 5.7 8.5

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 2.604 ng
RT: 17.480 min Scan# 2599
Delta R.T. -0.012 min
Lab File: BF144407.D
Acq: 02 Dec 2025 17:19

Tgt Ion:276 Resp: 20302
Ion Ratio Lower Upper
276 100
277 26.9 19.0 28.4
138 19.8 12.9 19.3

