

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\
 Data File : BF144405.D
 Acq On : 02 Dec 2025 16:19
 Operator : RC/JU
 Sample : Q3742-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-22

Manual Integrations
 APPROVED

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

Quant Time: Dec 02 16:41:26 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	40154	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	152656	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	84285	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	125156	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	113462	20.000	ng	0.00
86) Perylene-d12	15.527	264	140860	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	218561	85.177	ng	0.00
7) Phenol-d6	6.492	99	250244	86.070	ng	0.00
23) Nitrobenzene-d5	7.422	82	152774	57.800	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	74249	70.200	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	316592	55.477	ng	-0.01
79) Terphenyl-d14	12.980	244	300123	42.016	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	13526	2.171	ng	99
75) Fluoranthene	12.610	202	25897	4.023	ng	97
78) Pyrene	12.839	202	23741	2.595	ng	97
81) Benzo(a)anthracene	14.033	228	25019	3.182	ng	92
83) Chrysene	14.068	228	21006	2.894	ng	94
88) Benzo(b)fluoranthene	15.092	252	31754m	3.965	ng	
90) Benzo(a)pyrene	15.462	252	24181	3.273	ng	# 92

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

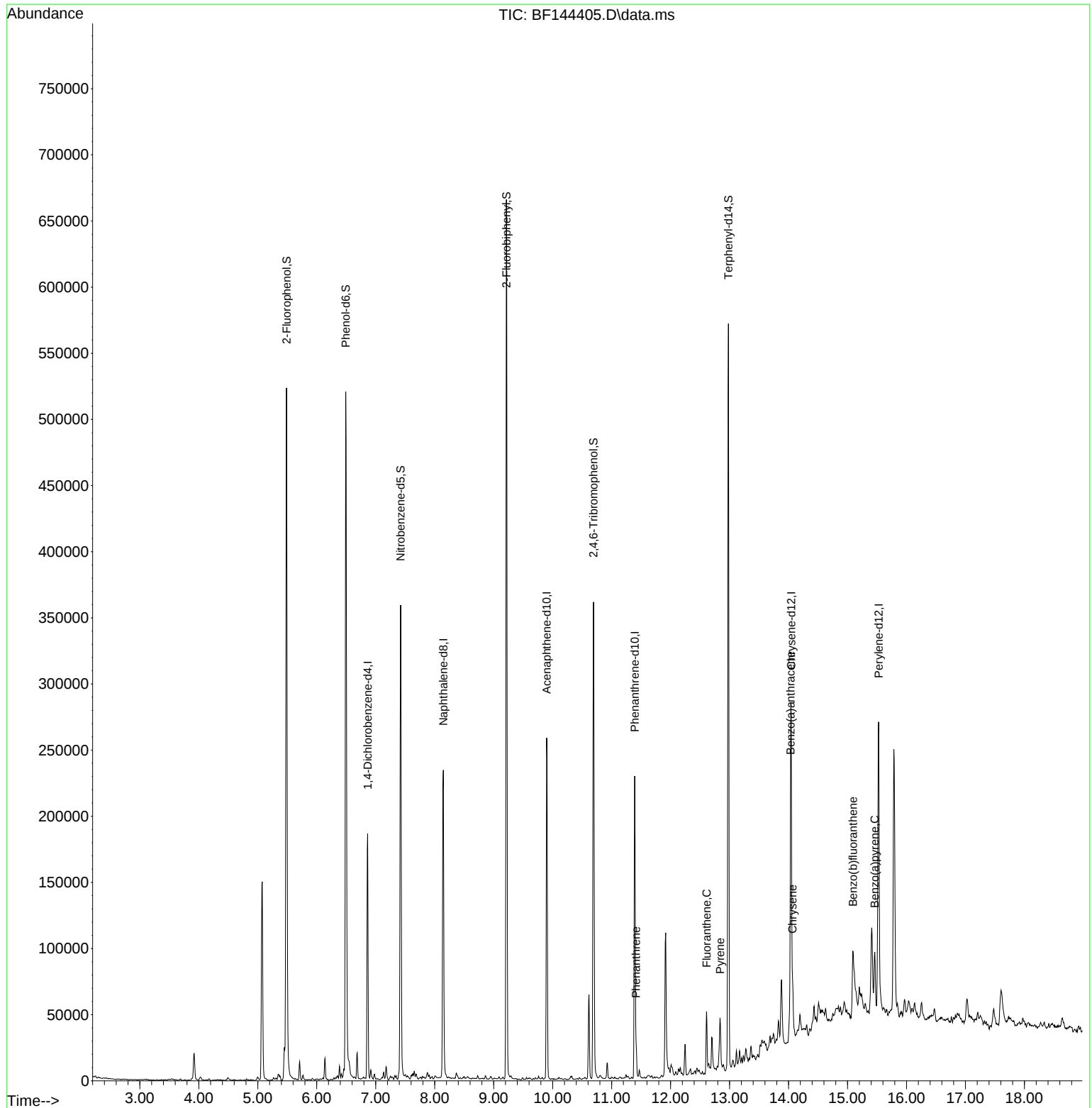
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\
Data File : BF144405.D
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

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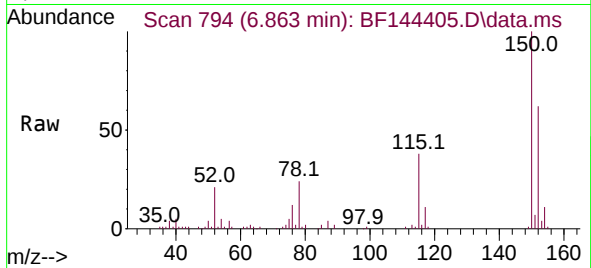
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144405.D
Acq: 02 Dec 2025 16:19

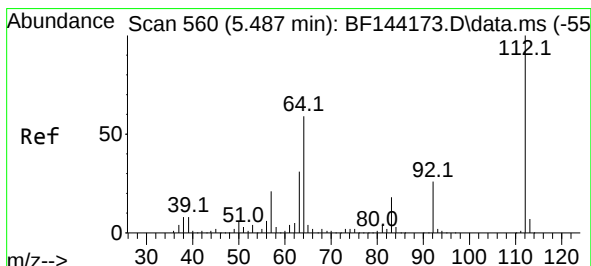
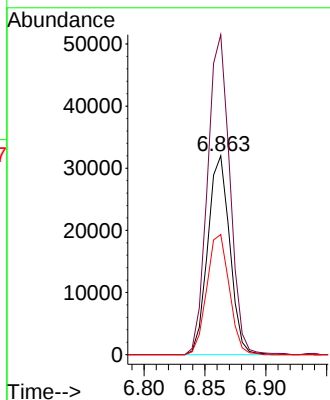
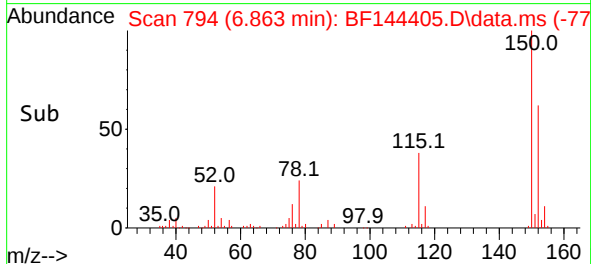
Instrument :
BNA_F
ClientSampleId :
SB-1125-22



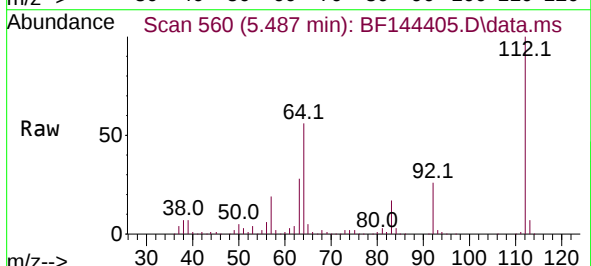
Tgt Ion:152 Resp: 40154
Ion Ratio Lower Upper
152 100
150 161.0 127.4 191.0
115 60.4 49.5 74.3

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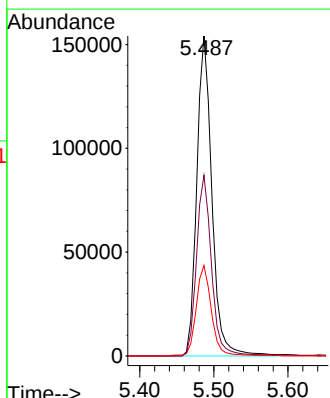
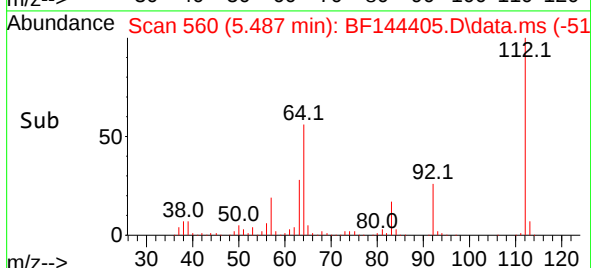
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025

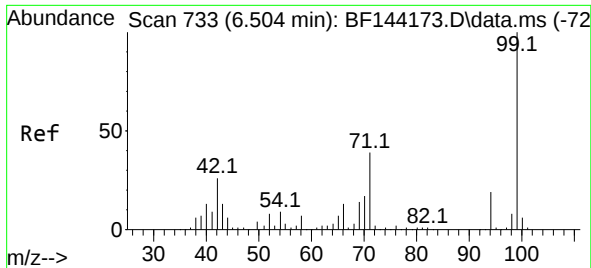


#5
2-Fluorophenol
Concen: 85.177 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144405.D
Acq: 02 Dec 2025 16:19



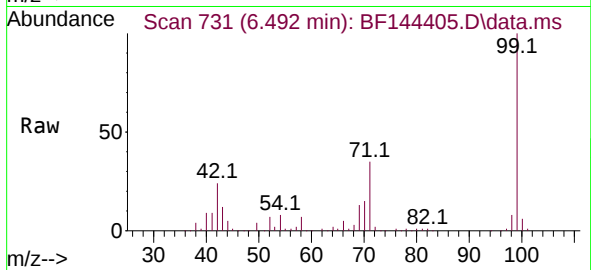
Tgt Ion:112 Resp: 218561
Ion Ratio Lower Upper
112 100
64 56.4 47.2 70.8
63 28.2 24.4 36.6





#7
Phenol-d6
Concen: 86.070 ng
RT: 6.492 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF144405.D
Acq: 02 Dec 2025 16:19

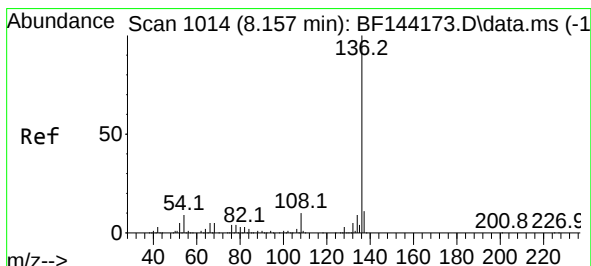
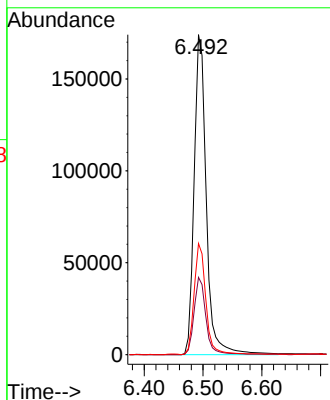
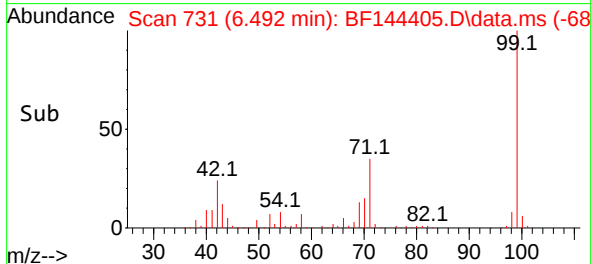
Instrument :
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ClientSampleId :
SB-1125-22



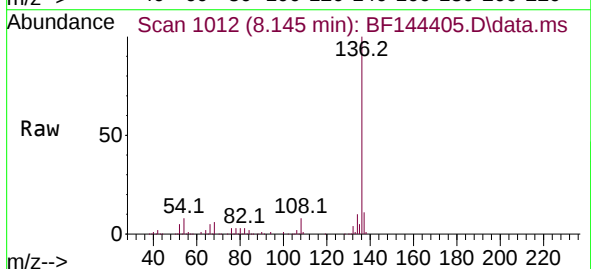
Tgt Ion: 99 Resp: 250244
Ion Ratio Lower Upper
99 100
42 24.2 20.9 31.3
71 34.7 31.4 47.2

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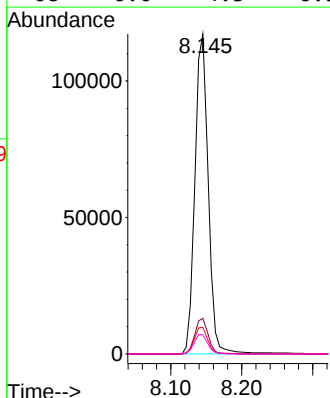
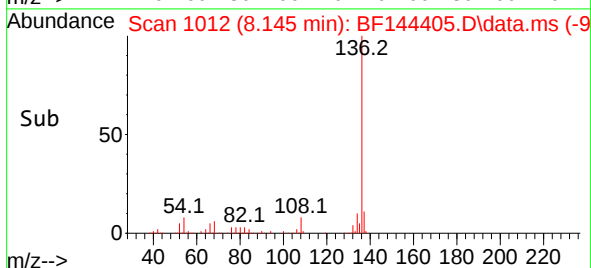
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025

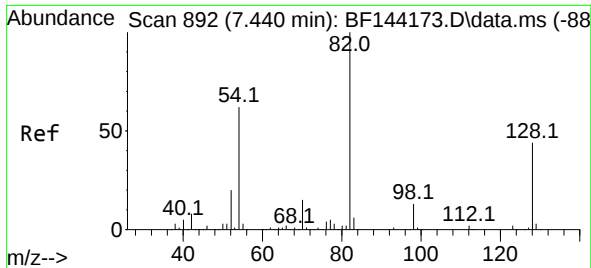


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144405.D
Acq: 02 Dec 2025 16:19



Tgt Ion:136 Resp: 152656
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.3 7.0 10.6
68 6.0 4.3 6.5





#23

Nitrobenzene-d5

Concen: 57.800 ng

RT: 7.422 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF144405.D

Acq: 02 Dec 2025 16:19

Instrument :

BNA_F

ClientSampleId :

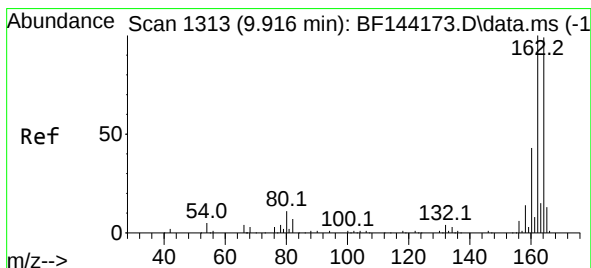
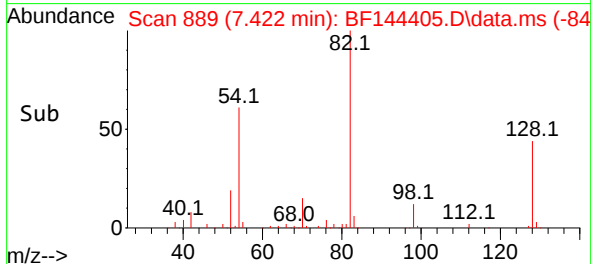
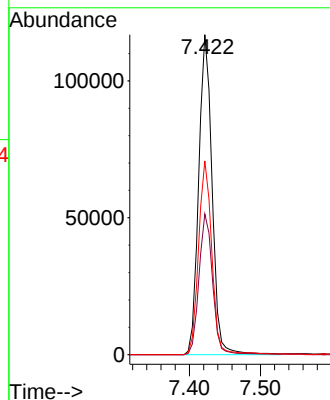
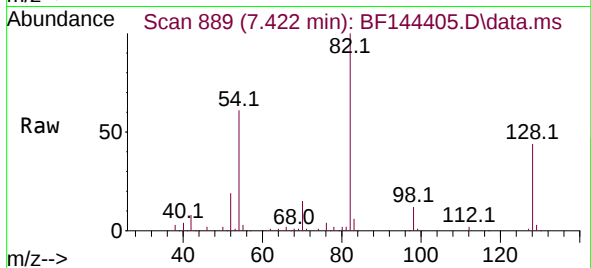
SB-1125-22

Tgt Ion: 82 Resp: 152774
 Ion Ratio Lower Upper
 82 100
 128 44.0 34.7 52.1
 54 60.5 49.5 74.3

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#39

Acenaphthene-d10

Concen: 20.000 ng

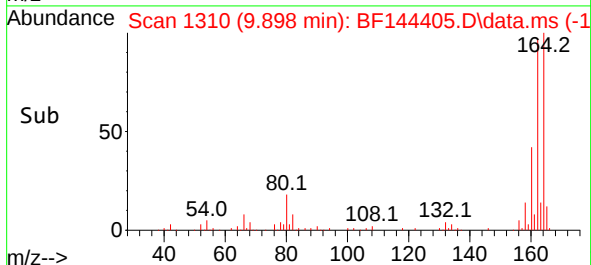
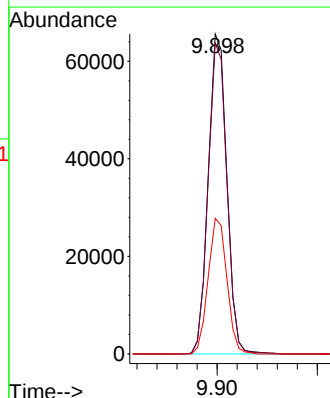
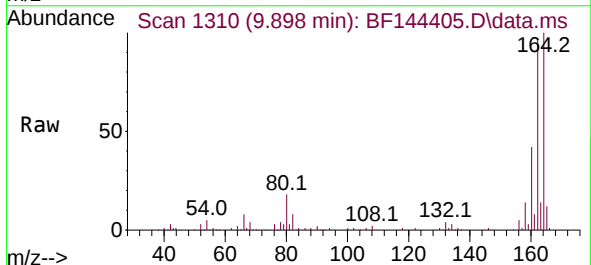
RT: 9.898 min Scan# 1310

Delta R.T. -0.018 min

Lab File: BF144405.D

Acq: 02 Dec 2025 16:19

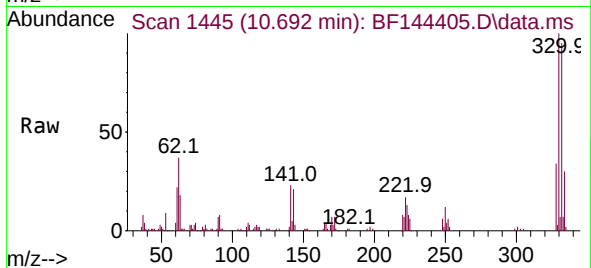
Tgt Ion:164 Resp: 84285
 Ion Ratio Lower Upper
 164 100
 162 97.1 81.1 121.7
 160 42.4 34.5 51.7





#42
2,4,6-Tribromophenol
Concen: 70.200 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144405.D
Acq: 02 Dec 2025 16:19

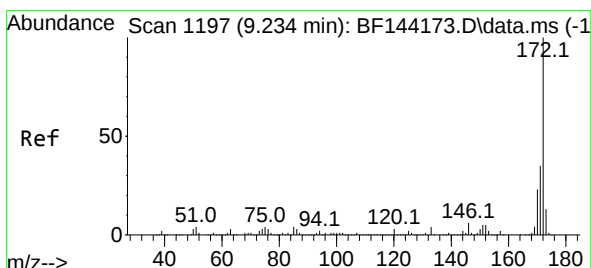
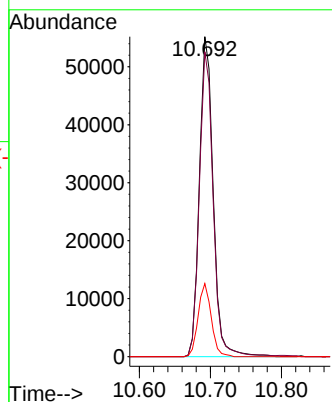
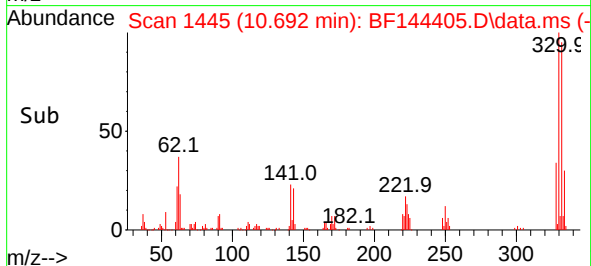
Instrument :
BNA_F
ClientSampleId :
SB-1125-22



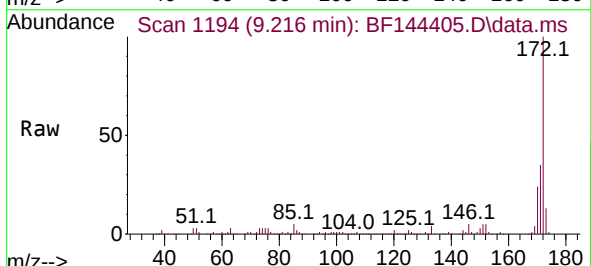
Tgt Ion: 330 Resp: 74249
Ion Ratio Lower Upper
330 100
332 95.3 76.7 115.1
141 21.7 17.8 26.8

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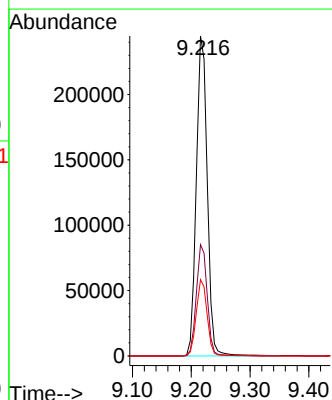
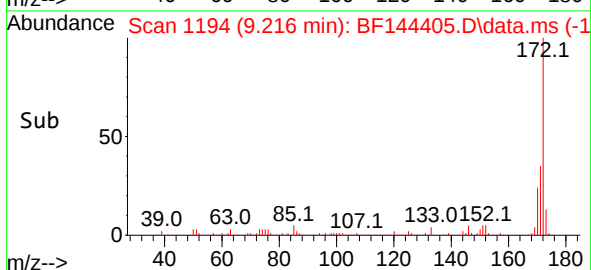
Reviewed By : Jagrut Upadhyay 12/03/2025
Supervised By : Sohil Jodhani 12/03/2025

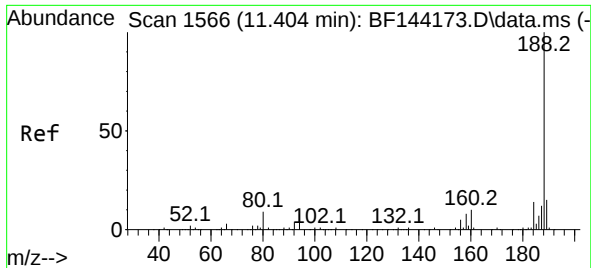


#45
2-Fluorobiphenyl
Concen: 55.477 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144405.D
Acq: 02 Dec 2025 16:19



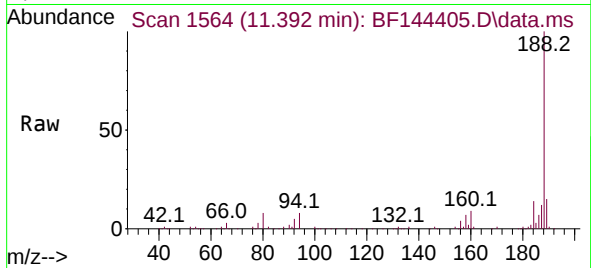
Tgt Ion: 172 Resp: 316592
Ion Ratio Lower Upper
172 100
171 34.8 28.1 42.1
170 23.8 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF144405.D
Acq: 02 Dec 2025 16:19

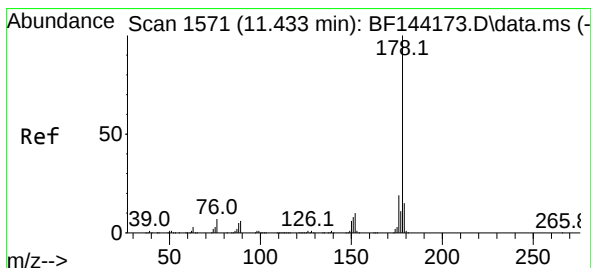
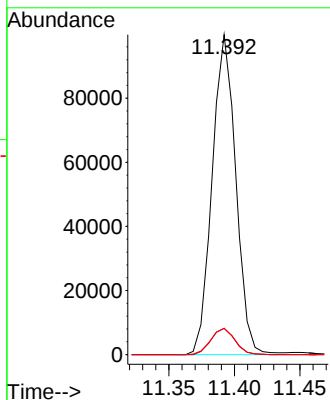
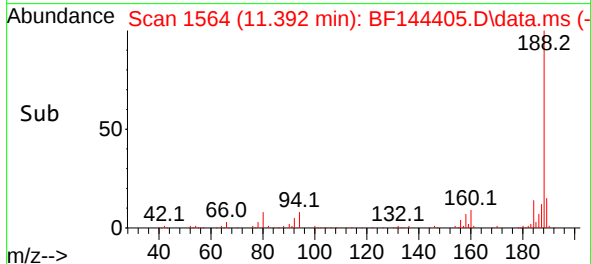
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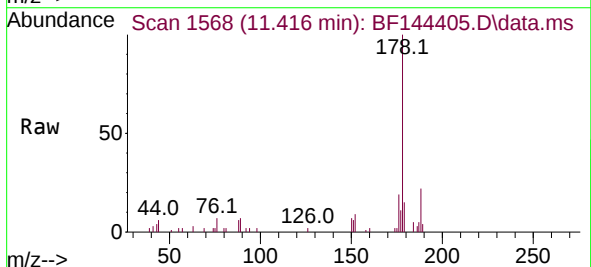
Tgt Ion:188 Resp: 125156
Ion Ratio Lower Upper
188 100
94 8.2 6.2 9.2
80 8.2 6.9 10.3

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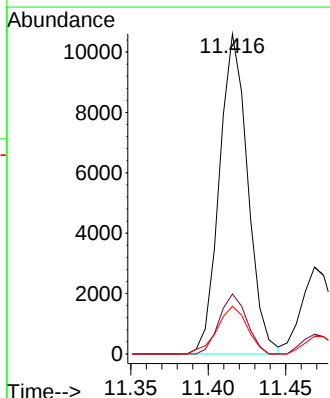
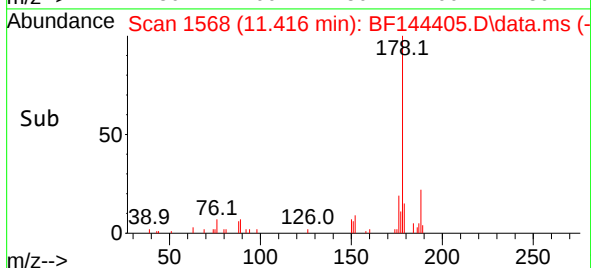
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025

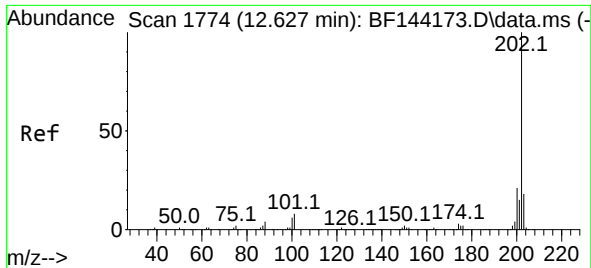


#71
Phenanthrene
Concen: 2.171 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144405.D
Acq: 02 Dec 2025 16:19



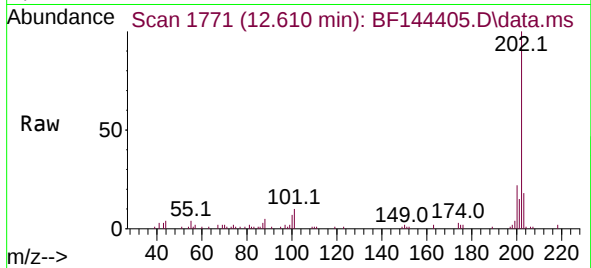
Tgt Ion:178 Resp: 13526
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 14.9 12.2 18.4





#75
Fluoranthene
Concen: 4.023 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144405.D
Acq: 02 Dec 2025 16:19

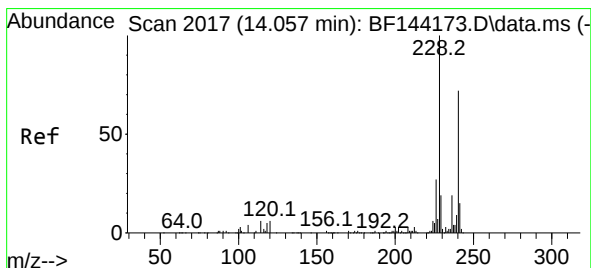
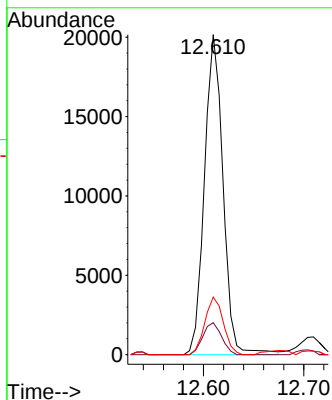
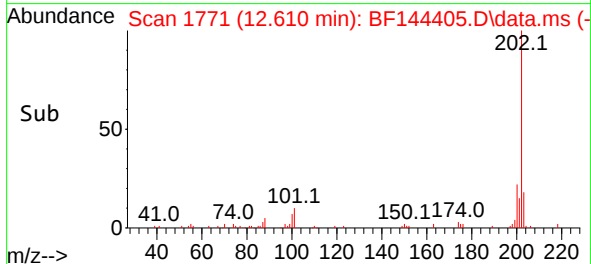
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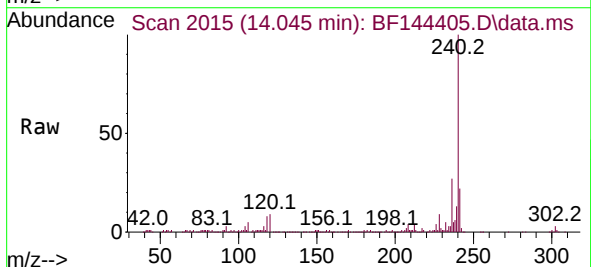
Tgt Ion:202 Resp: 2589
Ion Ratio Lower Upper
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101 10.0 0.0 27.9
203 18.0 0.0 37.5

Manual Integrations
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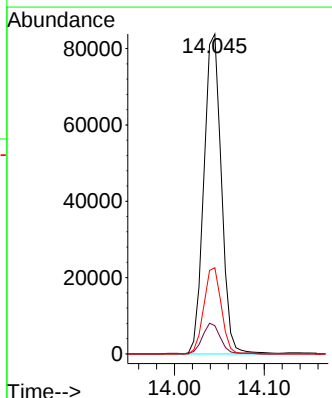
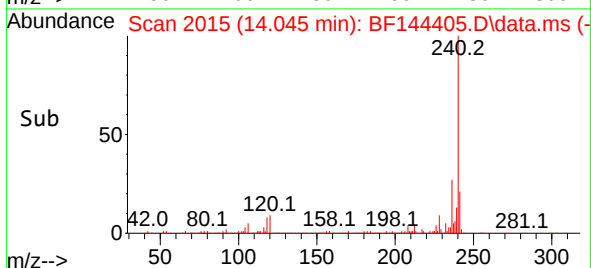
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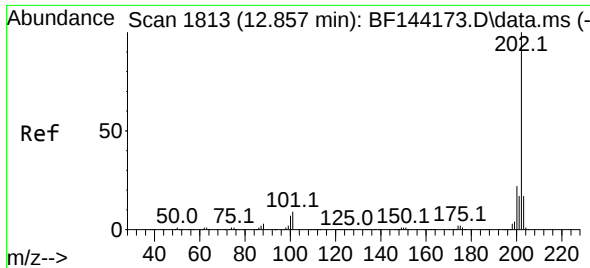


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144405.D
Acq: 02 Dec 2025 16:19



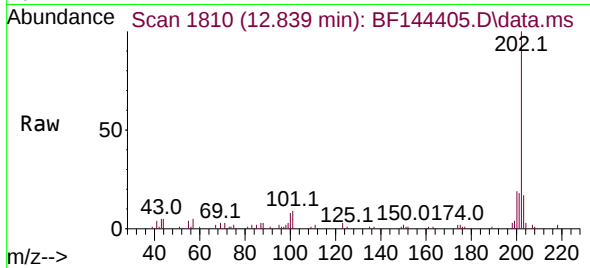
Tgt Ion:240 Resp: 113462
Ion Ratio Lower Upper
240 100
120 8.8 6.6 10.0
236 26.9 21.4 32.2





#78
Pyrene
Concen: 2.595 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144405.D
Acq: 02 Dec 2025 16:19

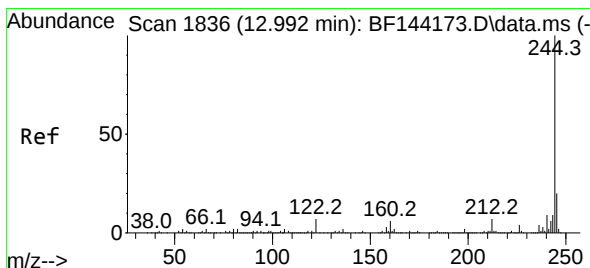
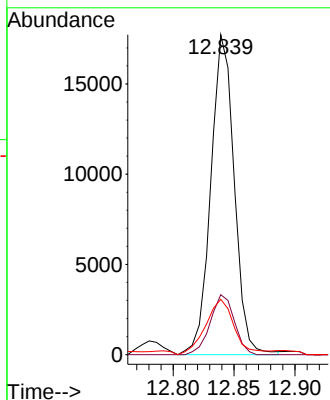
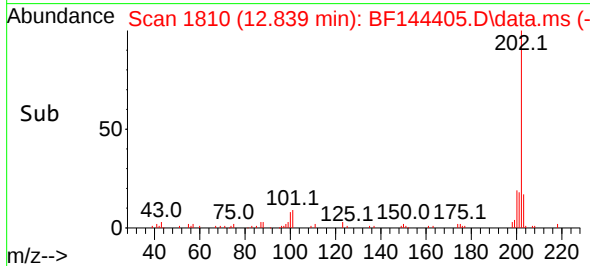
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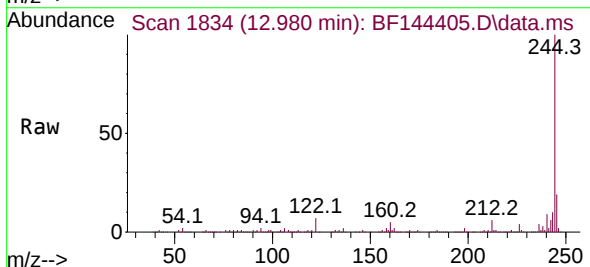
Tgt Ion:202 Resp: 2374
Ion Ratio Lower Upper
202 100
200 18.7 17.2 25.8
203 17.3 13.7 20.5

Manual Integrations
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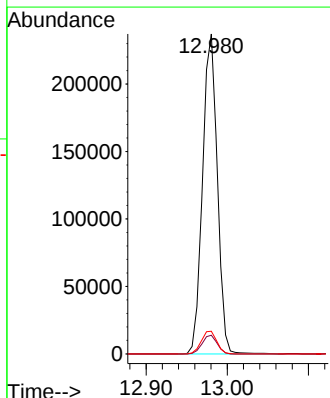
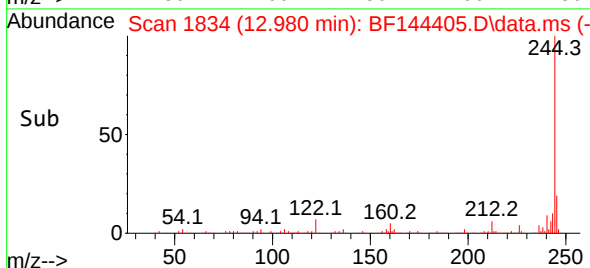
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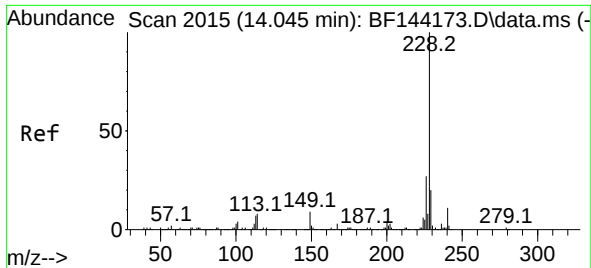


#79
Terphenyl-d14
Concen: 42.016 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144405.D
Acq: 02 Dec 2025 16:19



Tgt Ion:244 Resp: 300123
Ion Ratio Lower Upper
244 100
212 5.8 5.3 7.9
122 7.1 5.6 8.4





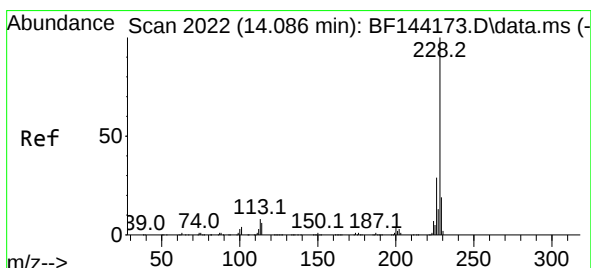
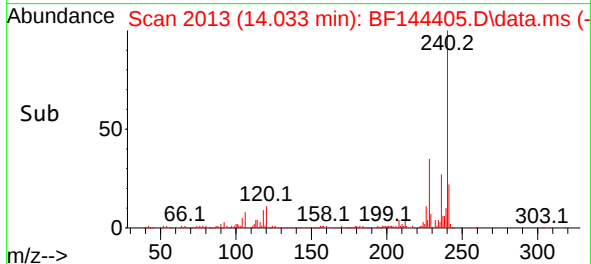
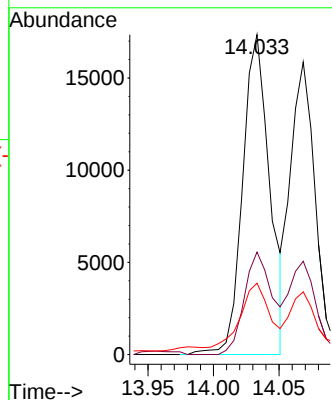
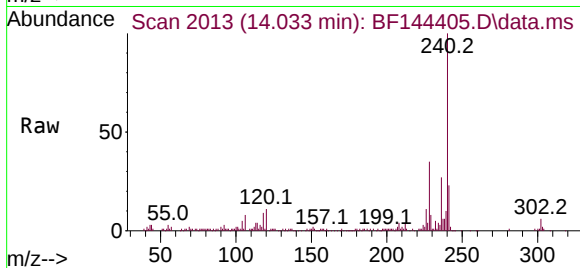
#81
Benzo(a)anthracene
Concen: 3.182 ng
RT: 14.033 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144405.D
Acq: 02 Dec 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SB-1125-22

Tgt Ion:228	Resp:	25019
Ion Ratio	Lower	Upper
228	100	
226	32.0	21.8 32.8
229	22.3	15.8 23.6

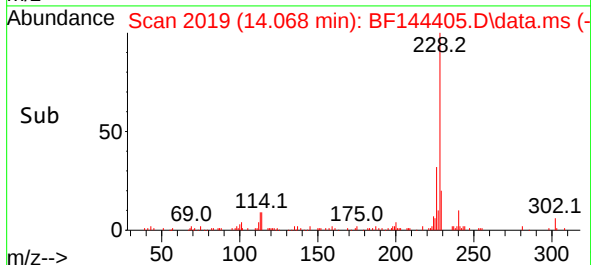
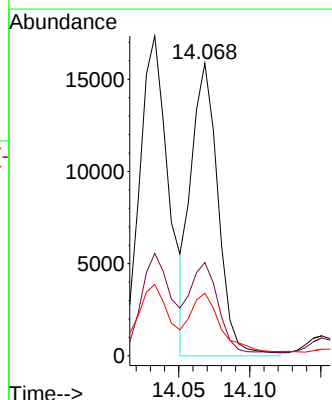
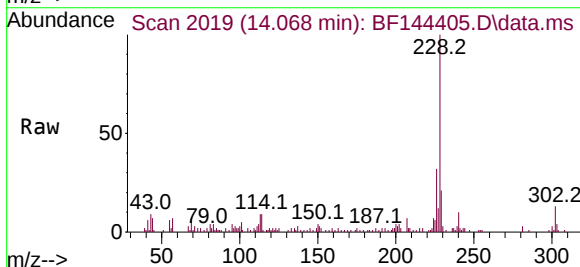
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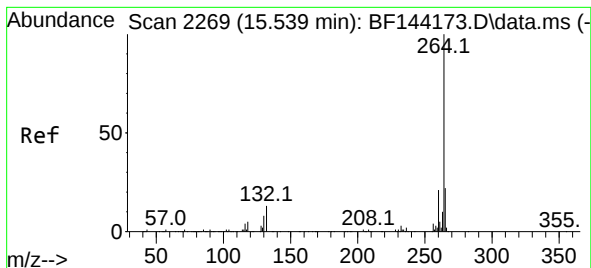
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#83
Chrysene
Concen: 2.894 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144405.D
Acq: 02 Dec 2025 16:19

Tgt Ion:228	Resp:	21006
Ion Ratio	Lower	Upper
228	100	
226	31.9	22.9 34.3
229	21.5	15.0 22.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2193

Delta R.T. -0.012 min

Lab File: BF144405.D

Acq: 02 Dec 2025 16:19

Instrument :

BNA_F

ClientSampleId :

SB-1125-22

Tgt Ion:264 Resp: 140860

Ion Ratio Lower Upper

264 100

260 21.8 17.1 25.7

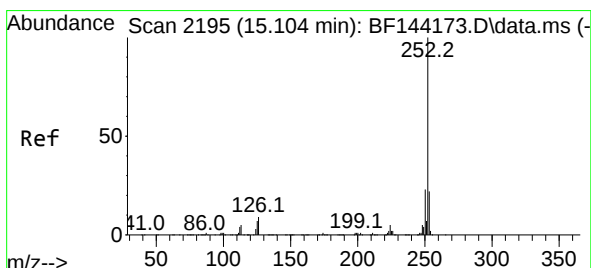
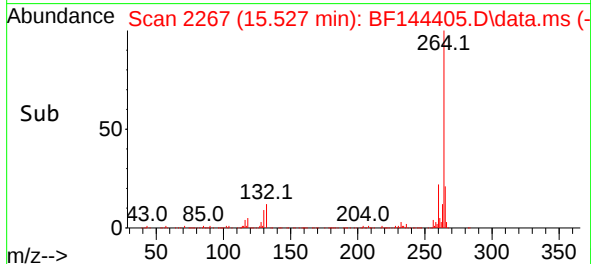
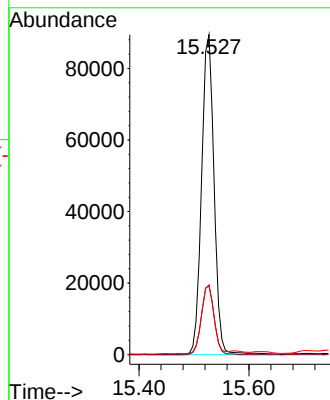
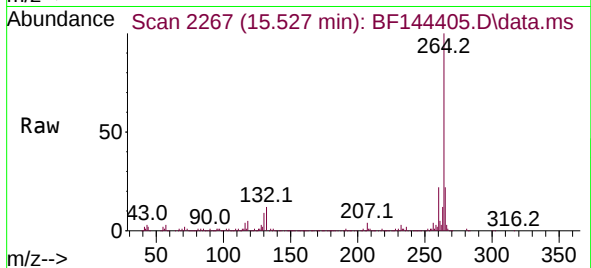
265 21.6 17.4 26.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/03/2025

Supervised By :Sohil Jodhani 12/03/2025



#88

Benzo(b)fluoranthene

Concen: 3.965 ng m

RT: 15.092 min Scan# 2193

Delta R.T. -0.006 min

Lab File: BF144405.D

Acq: 02 Dec 2025 16:19

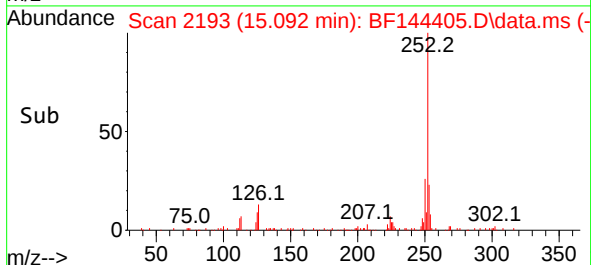
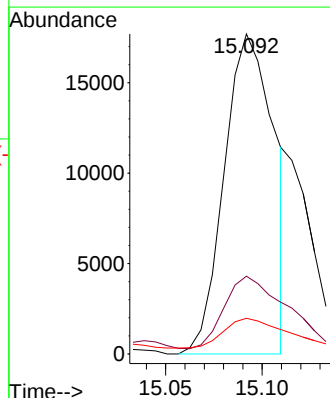
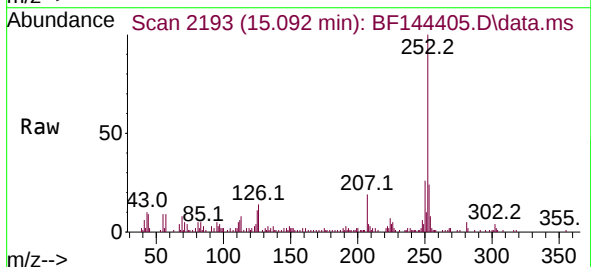
Tgt Ion:252 Resp: 31754

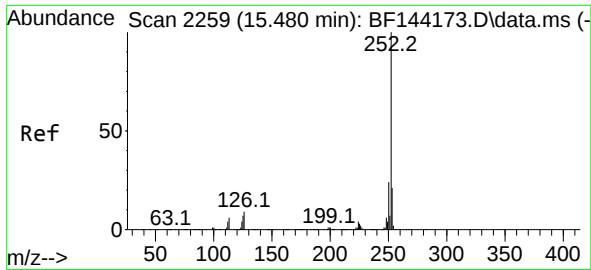
Ion Ratio Lower Upper

252 100

253 24.3 17.4 26.2

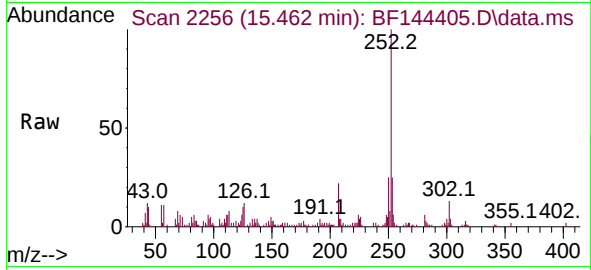
125 11.1 5.3 7.9#





#90
Benzo(a)pyrene
Concen: 3.273 ng
RT: 15.462 min Scan# 2256
Delta R.T. -0.012 min
Lab File: BF144405.D
Acq: 02 Dec 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SB-1125-22



Tgt Ion:252 Resp: 2418
Ion Ratio Lower Upper
252 100
253 24.9 16.7 25.1
125 9.8 5.7 8.5

Manual Integrations
APPROVED

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

