

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103025\
 Data File : BF144157.D
 Acq On : 30 Oct 2025 23:38
 Operator : RC/JU
 Sample : Q3485-01 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-102924

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/31/2025
 Supervised By :Jagrut Upadhyay 10/31/2025

Quant Time: Oct 31 01:03:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	51214	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	161846	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	81720	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	163370	20.000	ng	0.00
76) Chrysene-d12	14.057	240	185367	20.000	ng	0.00
86) Perylene-d12	15.539	264	139638	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	54559	16.854	ng	0.00
7) Phenol-d6	6.504	99	56430	15.785	ng	0.00
23) Nitrobenzene-d5	7.440	82	35078	11.874	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	18720	17.983	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	78397	13.500	ng	0.00
79) Terphenyl-d14	12.992	244	118960	11.219	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	43502	5.360	ng	98
75) Fluoranthene	12.622	202	78001	8.700	ng	99
78) Pyrene	12.851	202	69969	5.250	ng	97
81) Benzo(a)anthracene	14.045	228	38160	3.046	ng	# 92
83) Chrysene	14.080	228	33125	2.818	ng	# 95
88) Benzo(b)fluoranthene	15.104	252	30865m	3.910	ng	
90) Benzo(a)pyrene	15.480	252	19891	2.809	ng	# 89

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

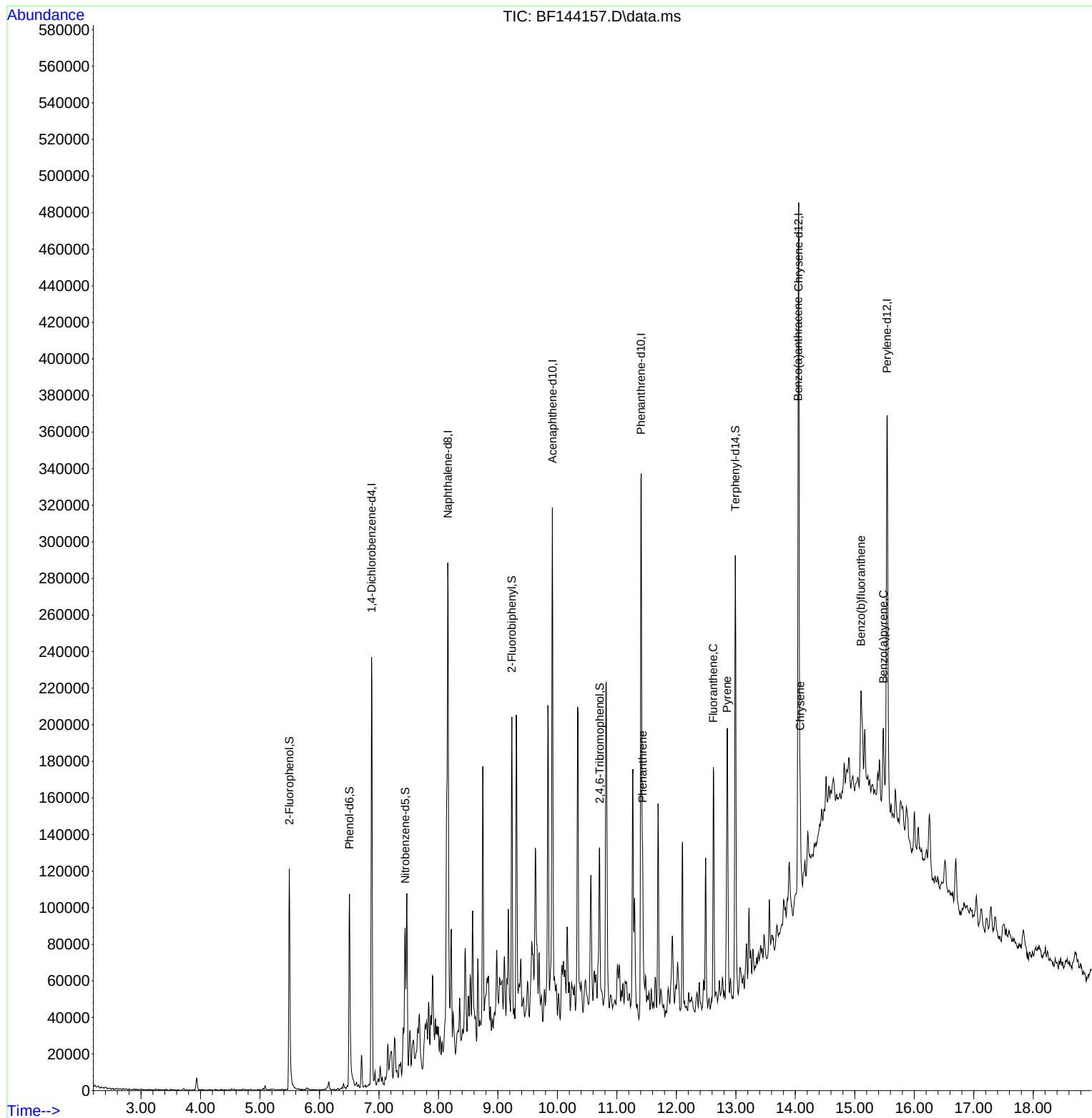
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103025\
Data File : BF144157.D
Acq On : 30 Oct 2025 23:38
Operator : RC/JU
Sample : Q3485-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

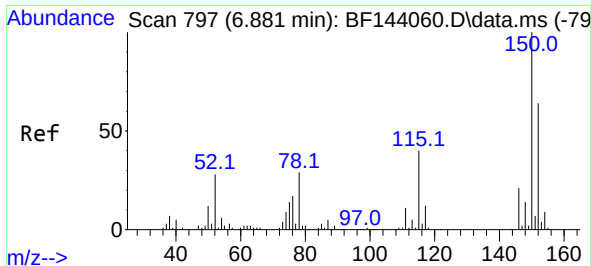
Instrument :
BNA_F
ClientSampleId :
TR-04-102924

Quant Time: Oct 31 01:03:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF144157.D
Acq: 30 Oct 2025 23:38

Instrument :

BNA_F

ClientSampleId :

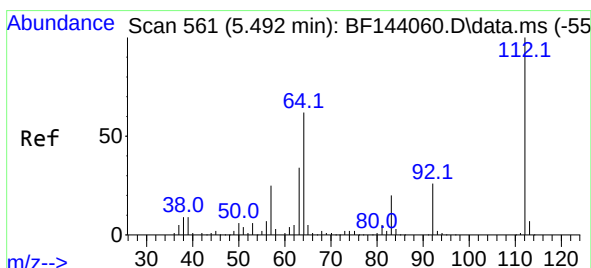
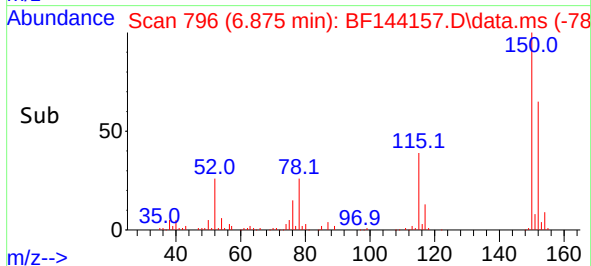
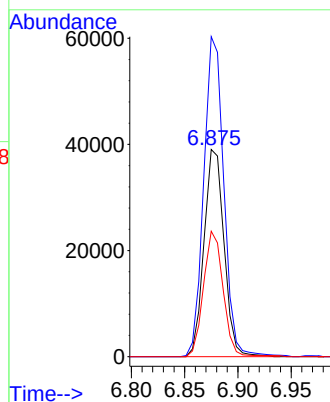
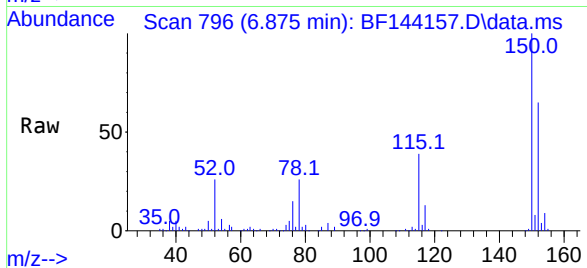
TR-04-102924

Tgt Ion:152 Resp: 51214
Ion Ratio Lower Upper
152 100
150 154.4 124.4 186.6
115 60.5 49.4 74.0

Manual Integrations

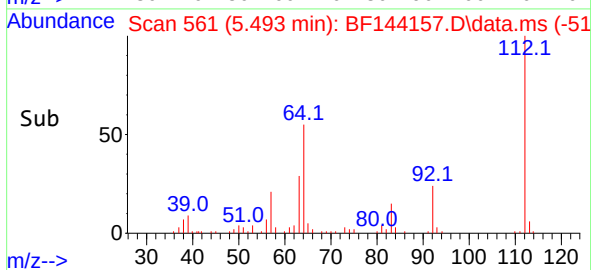
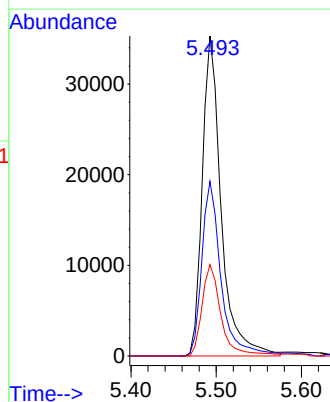
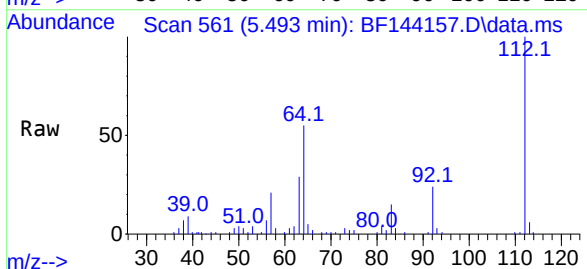
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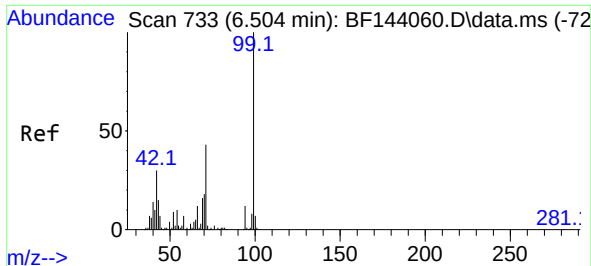
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Supervised By :Jagrut Upadhyay 10/31/2025



#5
2-Fluorophenol
Concen: 16.854 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144157.D
Acq: 30 Oct 2025 23:38

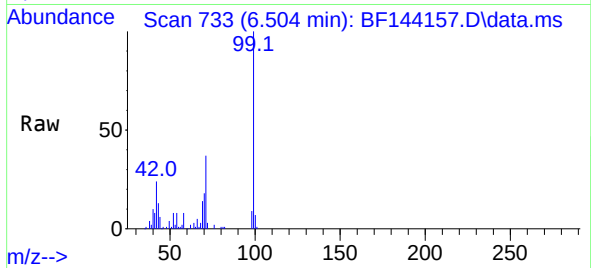
Tgt Ion:112 Resp: 54559
Ion Ratio Lower Upper
112 100
64 54.6 49.8 74.8
63 28.5 27.4 41.2





#7
Phenol-d6
Concen: 15.785 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF144157.D
Acq: 30 Oct 2025 23:38

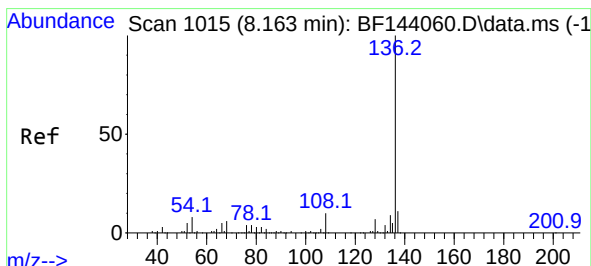
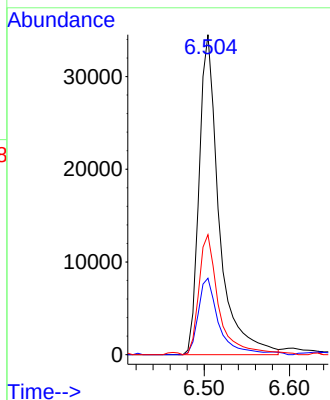
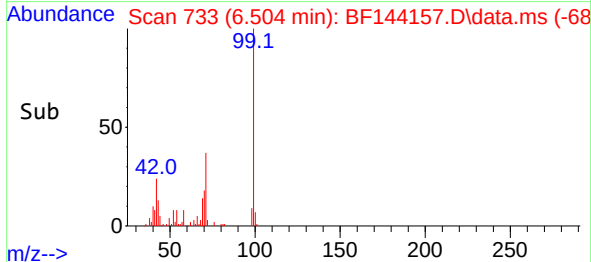
Instrument :
BNA_F
ClientSampleId :
TR-04-102924



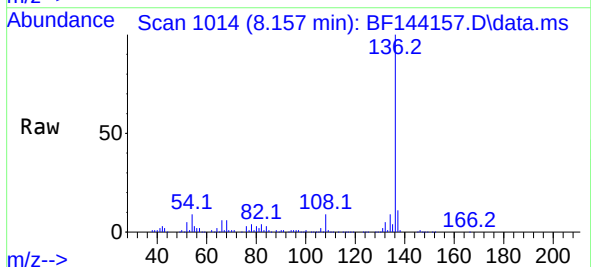
Tgt Ion: 99 Resp: 56430
Ion Ratio Lower Upper
99 100
42 23.9 23.9 35.9
71 37.5 34.4 51.6

Manual Integrations
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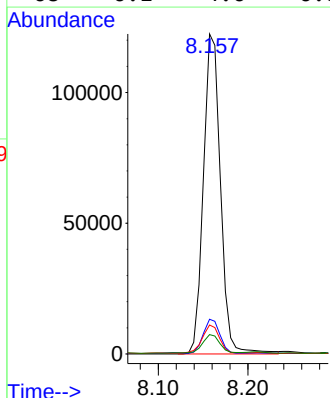
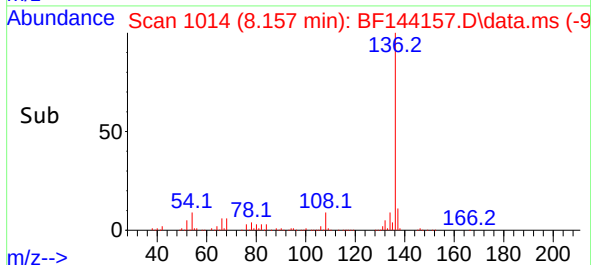
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

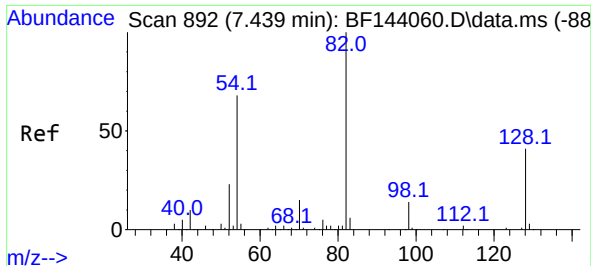


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144157.D
Acq: 30 Oct 2025 23:38



Tgt Ion:136 Resp: 161846
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.1 6.6 9.8
68 6.1 4.6 6.8





#23
Nitrobenzene-d5
Concen: 11.874 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144157.D
Acq: 30 Oct 2025 23:38

Instrument :

BNA_F

ClientSampleId :

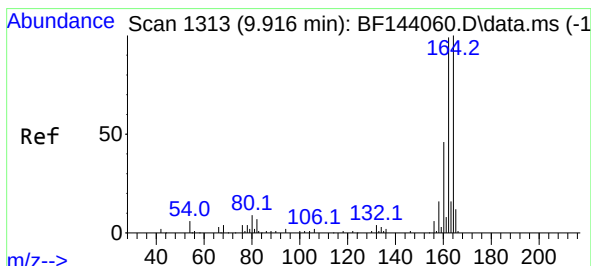
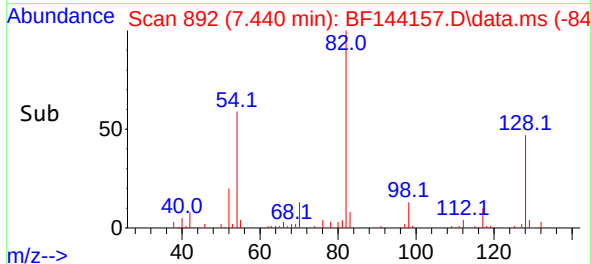
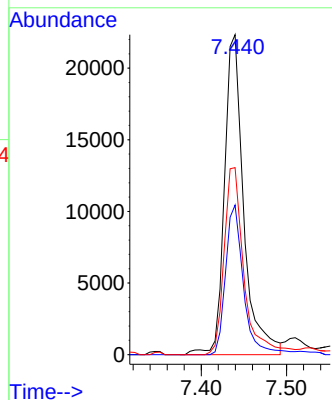
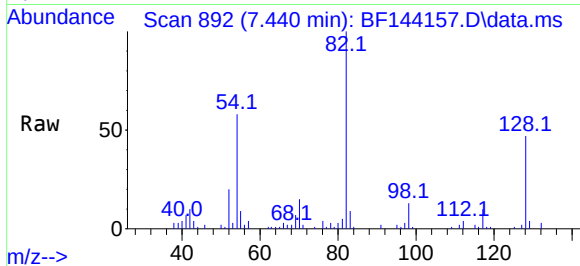
TR-04-102924

Tgt Ion: 82 Resp: 35078
Ion Ratio Lower Upper
82 100
128 46.7 32.4 48.6
54 58.5 54.0 81.0

Manual Integrations

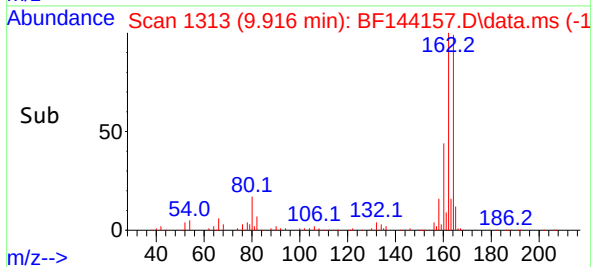
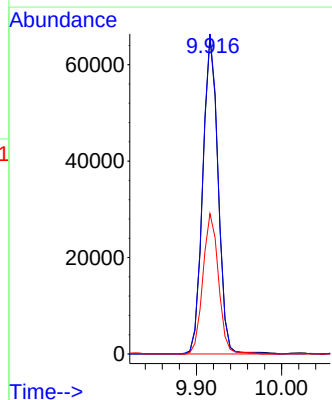
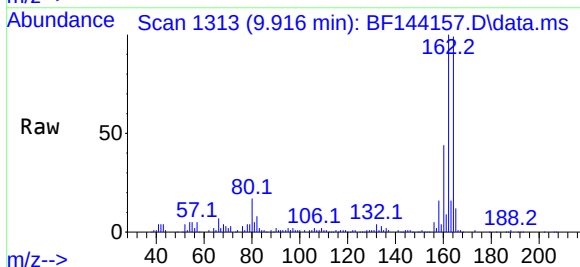
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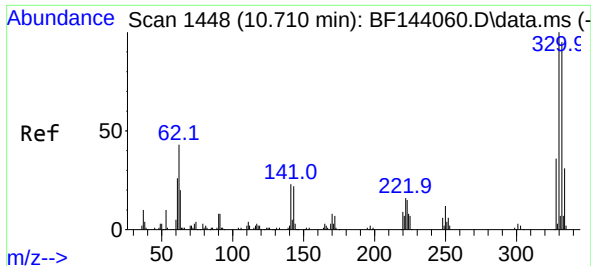
Reviewed By :Rahul Chavli 10/31/2025
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144157.D
Acq: 30 Oct 2025 23:38

Tgt Ion:164 Resp: 81720
Ion Ratio Lower Upper
164 100
162 101.0 79.4 119.2
160 44.3 36.7 55.1





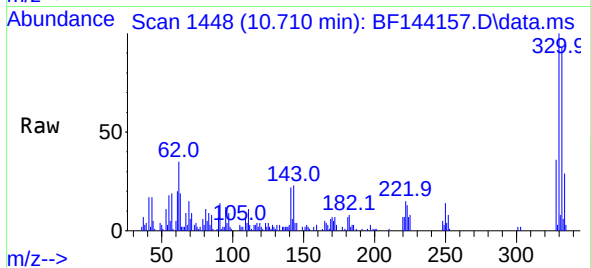
#42
2,4,6-Tribromophenol
Concen: 17.983 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144157.D
Acq: 30 Oct 2025 23:38

Instrument :

BNA_F

ClientSampleId :

TR-04-102924



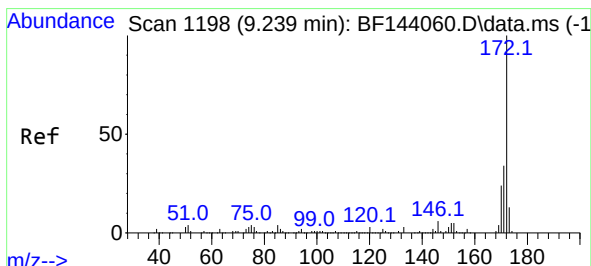
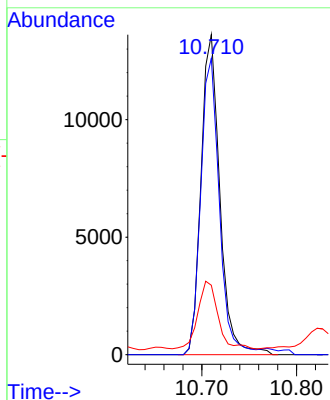
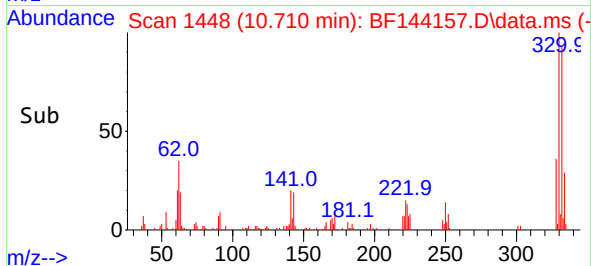
Tgt Ion:330 Resp: 18720
Ion Ratio Lower Upper
330 100
332 91.3 77.0 115.6
141 22.6 19.4 29.0

Manual Integrations

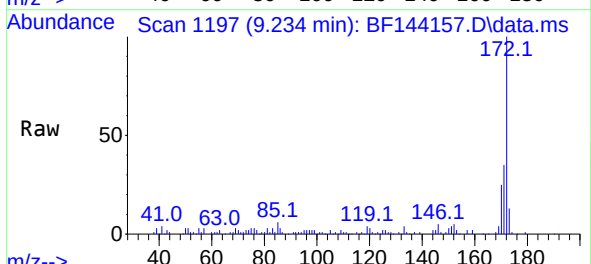
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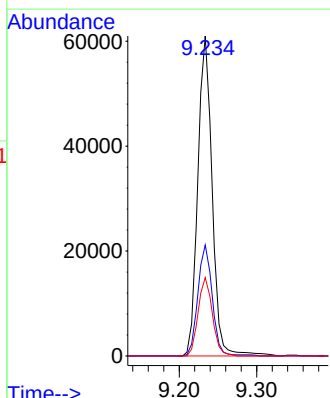
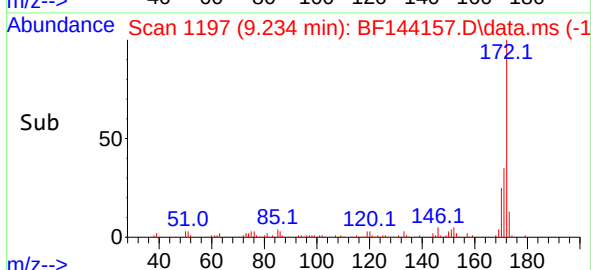
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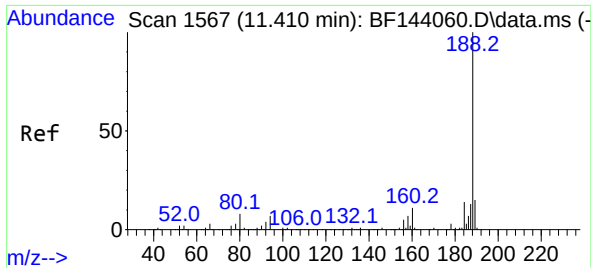


#45
2-Fluorobiphenyl
Concen: 13.500 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144157.D
Acq: 30 Oct 2025 23:38



Tgt Ion:172 Resp: 78397
Ion Ratio Lower Upper
172 100
171 34.7 27.5 41.3
170 24.5 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF144157.D
Acq: 30 Oct 2025 23:38

Instrument :

BNA_F

ClientSampleId :

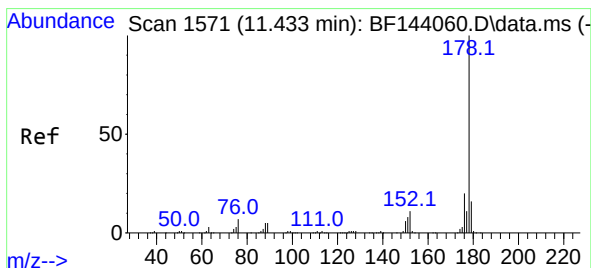
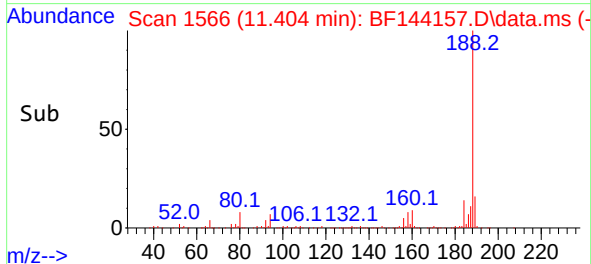
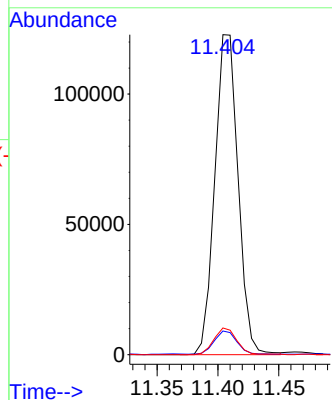
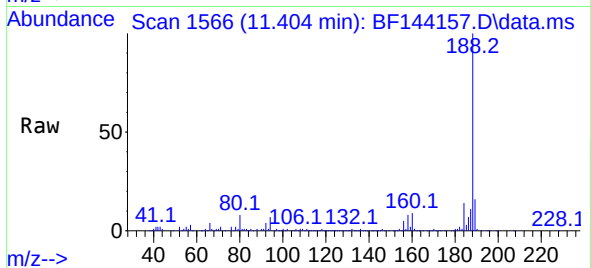
TR-04-102924

Tgt Ion:188 Resp: 163370
Ion Ratio Lower Upper
188 100
94 7.4 5.4 8.0
80 8.4 6.0 9.0

Manual Integrations

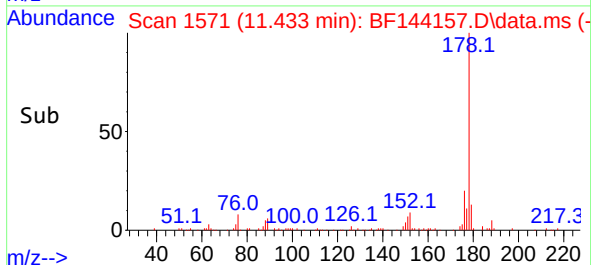
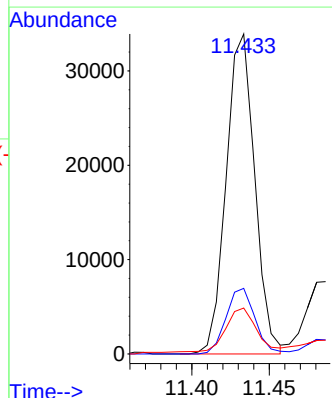
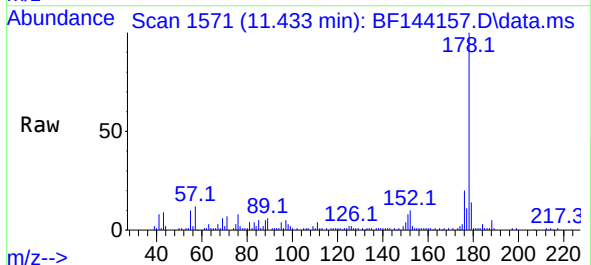
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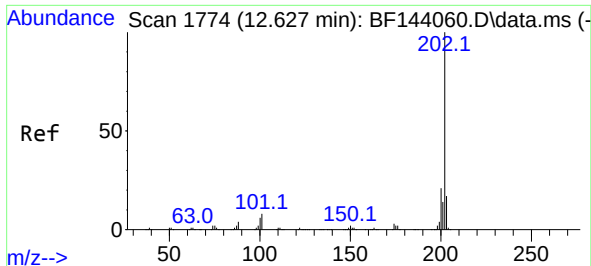
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#71
Phenanthrene
Concen: 5.360 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF144157.D
Acq: 30 Oct 2025 23:38

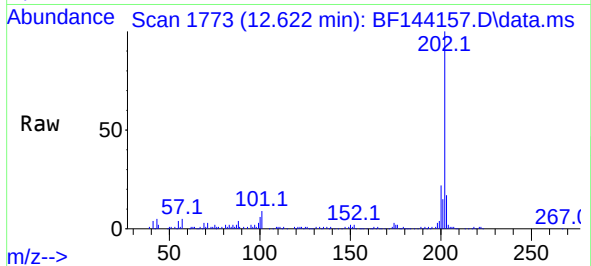
Tgt Ion:178 Resp: 43502
Ion Ratio Lower Upper
178 100
176 20.5 16.3 24.5
179 14.3 12.6 18.8





#75
Fluoranthene
Concen: 8.700 ng
RT: 12.622 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF144157.D
Acq: 30 Oct 2025 23:38

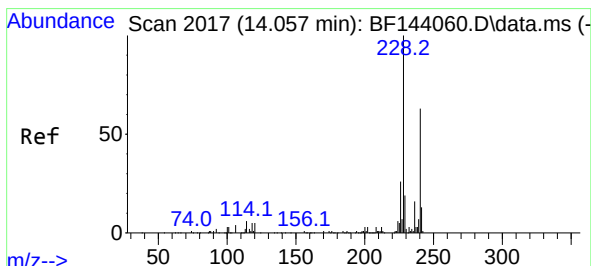
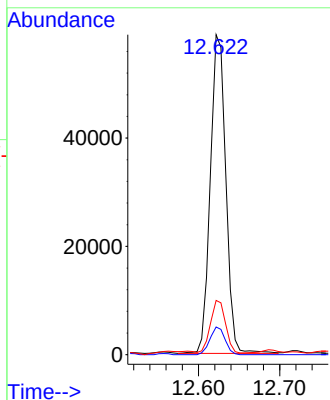
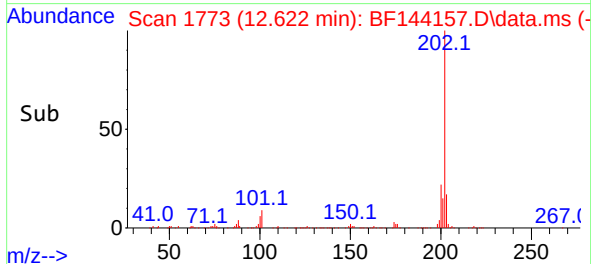
Instrument :
BNA_F
ClientSampleId :
TR-04-102924



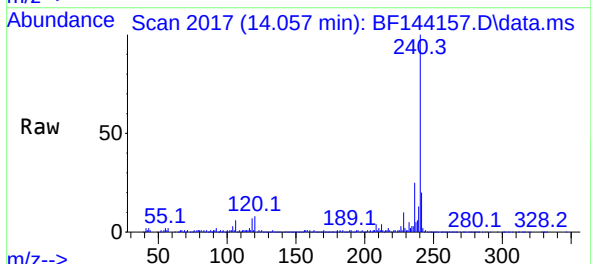
Tgt Ion:202 Resp: 7800
Ion Ratio Lower Upper
202 100
101 8.7 0.0 27.7
203 16.9 0.0 37.3

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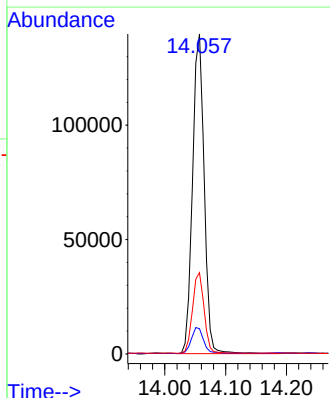
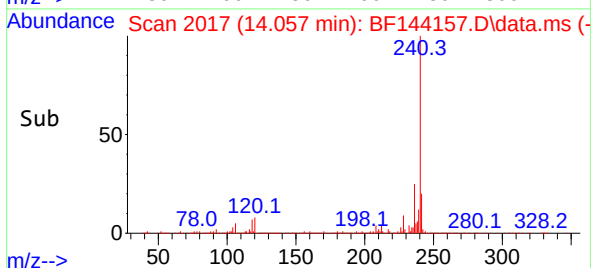
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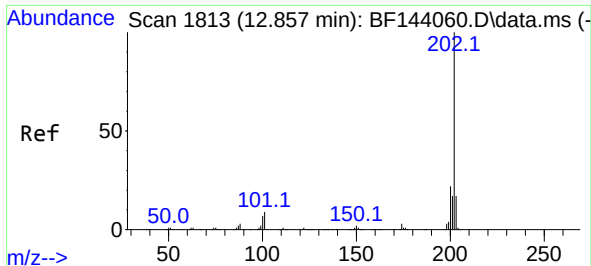


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144157.D
Acq: 30 Oct 2025 23:38



Tgt Ion:240 Resp: 185367
Ion Ratio Lower Upper
240 100
120 7.9 6.5 9.7
236 25.4 20.1 30.1





#78
Pyrene
Concen: 5.250 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF144157.D
Acq: 30 Oct 2025 23:38

Instrument :

BNA_F

ClientSampleId :

TR-04-102924

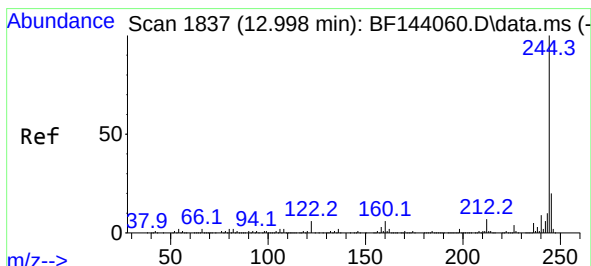
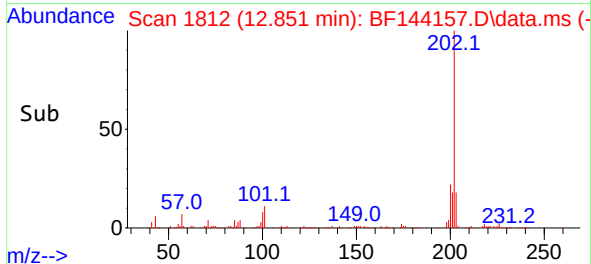
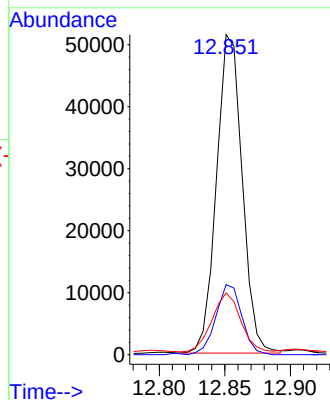
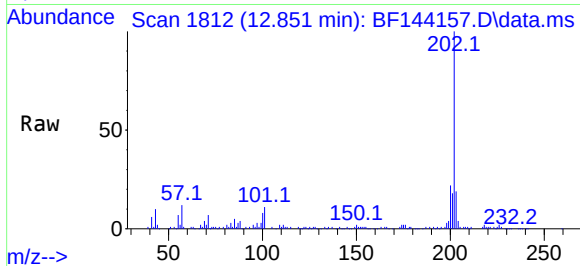
Tgt Ion:202 Resp: 69969
Ion Ratio Lower Upper
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200 21.9 17.2 25.8
203 19.3 13.5 20.3

Manual Integrations

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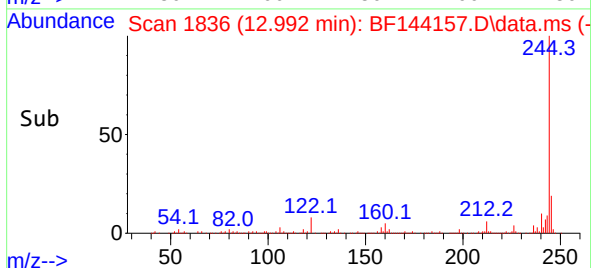
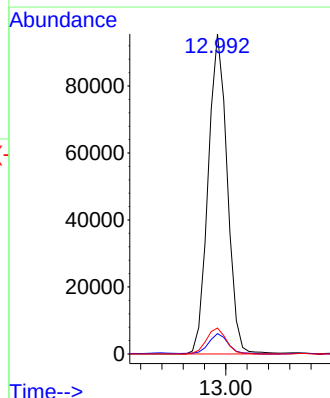
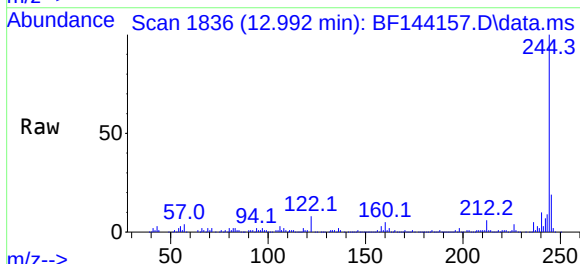
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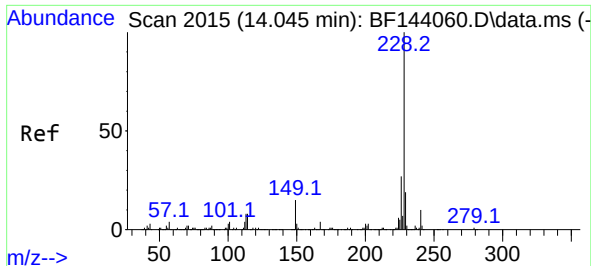
Supervised By :Jagrut Upadhyay 10/31/2025



#79
Terphenyl-d14
Concen: 11.219 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF144157.D
Acq: 30 Oct 2025 23:38

Tgt Ion:244 Resp: 118960
Ion Ratio Lower Upper
244 100
212 6.3 5.8 8.6
122 8.1 4.9 7.3





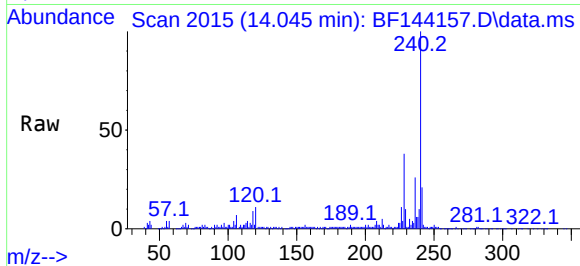
#81
Benzo(a)anthracene
Concen: 3.046 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF144157.D
Acq: 30 Oct 2025 23:38

Instrument :

BNA_F

ClientSampleId :

TR-04-102924

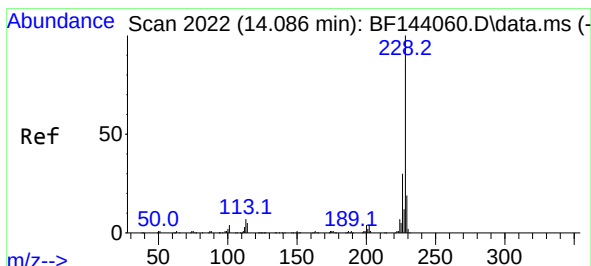
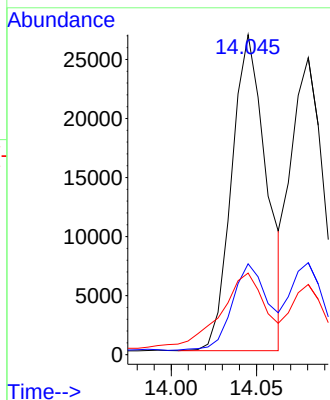
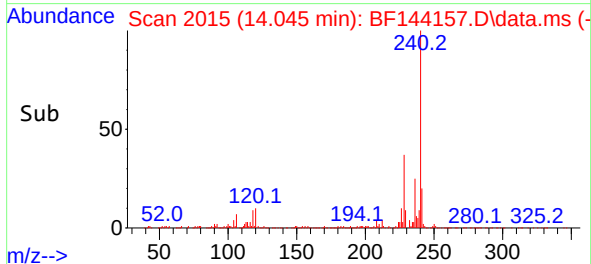


Tgt Ion:228 Resp: 38160
Ion Ratio Lower Upper
228 100
226 28.4 21.4 32.2
229 25.5 15.3 22.9

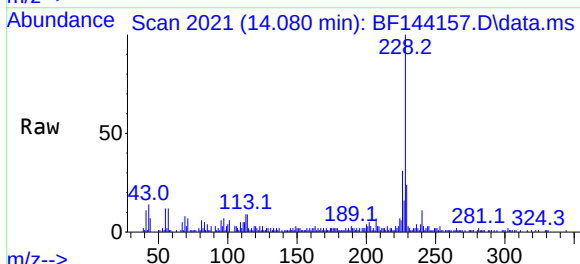
Manual Integrations

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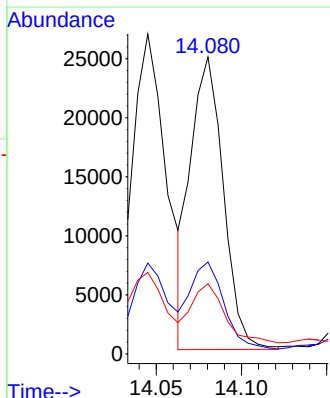
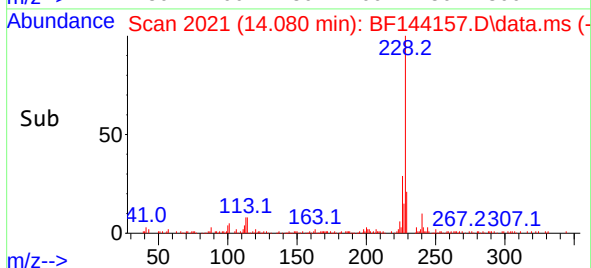
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

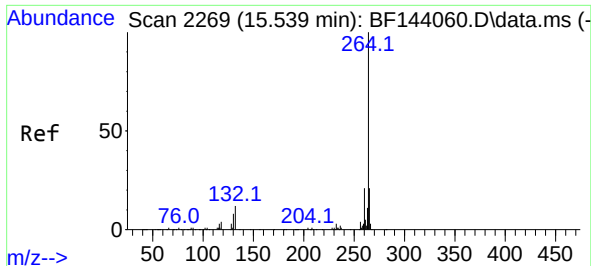


#83
Chrysene
Concen: 2.818 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF144157.D
Acq: 30 Oct 2025 23:38



Tgt Ion:228 Resp: 33125
Ion Ratio Lower Upper
228 100
226 31.0 23.8 35.6
229 23.6 15.6 23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF144157.D
Acq: 30 Oct 2025 23:38

Instrument :

BNA_F

ClientSampleId :

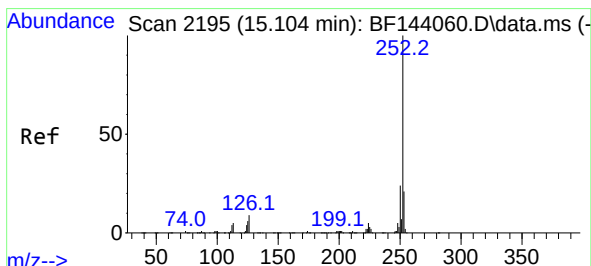
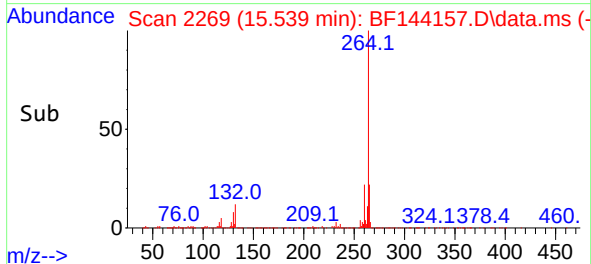
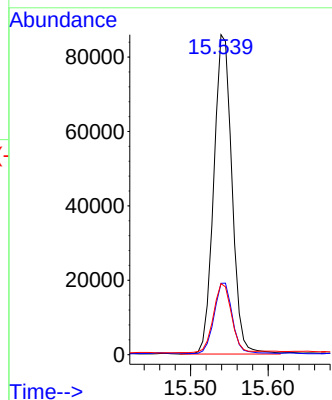
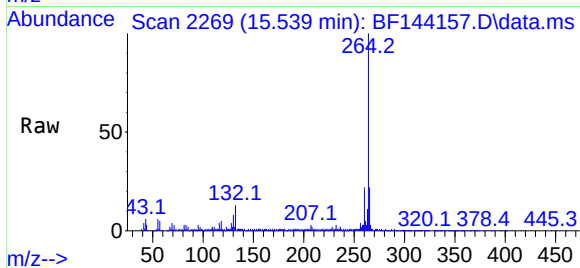
TR-04-102924

Tgt Ion:264 Resp: 139638
Ion Ratio Lower Upper
264 100
260 22.3 17.0 25.4
265 22.2 16.6 24.8

Manual Integrations

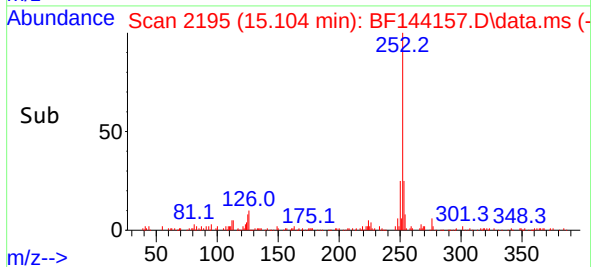
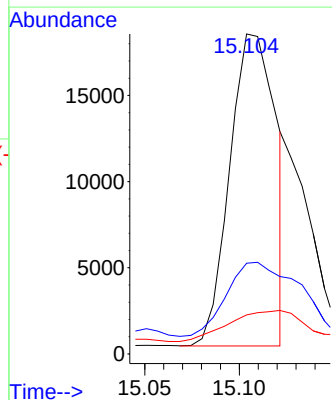
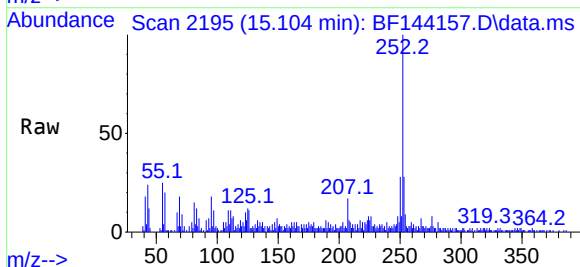
APPROVED

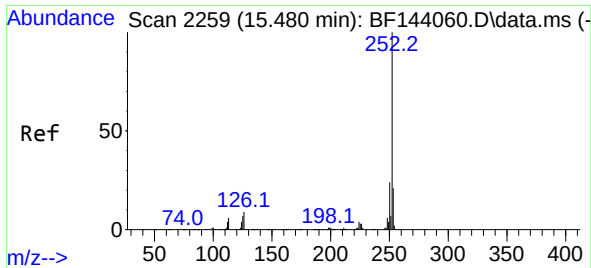
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025



#88
Benzo(b)fluoranthene
Concen: 3.910 ng m
RT: 15.104 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF144157.D
Acq: 30 Oct 2025 23:38

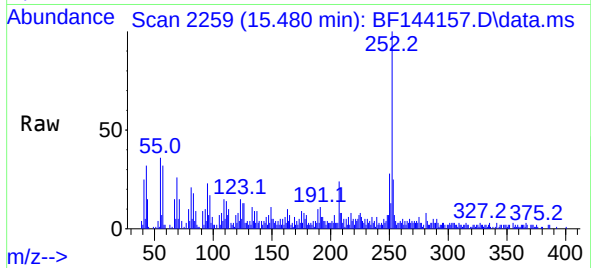
Tgt Ion:252 Resp: 30865
Ion Ratio Lower Upper
252 100
253 28.4 17.2 25.8#
125 12.2 5.0 7.6#





#90
Benzo(a)pyrene
Concen: 2.809 ng
RT: 15.480 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF144157.D
Acq: 30 Oct 2025 23:38

Instrument :
BNA_F
ClientSampleId :
TR-04-102924



Tgt Ion:252 Resp: 1989
Ion Ratio Lower Upper
252 100
253 25.4 17.1 25.7
125 12.9 5.4 8.2

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

