

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
 Data File : BF144129.D
 Acq On : 29 Oct 2025 15:32
 Operator : RC/JU
 Sample : Q3469-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-13

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/30/2025
 Supervised By :Jagrut Upadhyay 10/30/2025

Quant Time: Oct 29 15:56:20 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	61438	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	234380	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	134922	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	228489	20.000	ng	# 0.00
76) Chrysene-d12	14.051	240	168291	20.000	ng	0.00
86) Perylene-d12	15.539	264	215048	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	334395	86.111	ng	0.00
7) Phenol-d6	6.504	99	391044	91.180	ng	0.00
23) Nitrobenzene-d5	7.439	82	248572	58.105	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	149001	86.697	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	532104	55.498	ng	0.00
79) Terphenyl-d14	12.992	244	542545	56.360	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.621	202	54047	4.310	ng	97
78) Pyrene	12.851	202	54256	4.484	ng	97
81) Benzo(a)anthracene	14.045	228	39819m	3.501	ng	
83) Chrysene	14.080	228	30694	2.876	ng	98
88) Benzo(b)fluoranthene	15.104	252	65152m	5.359	ng	
90) Benzo(a)pyrene	15.474	252	42705	3.915	ng	96

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

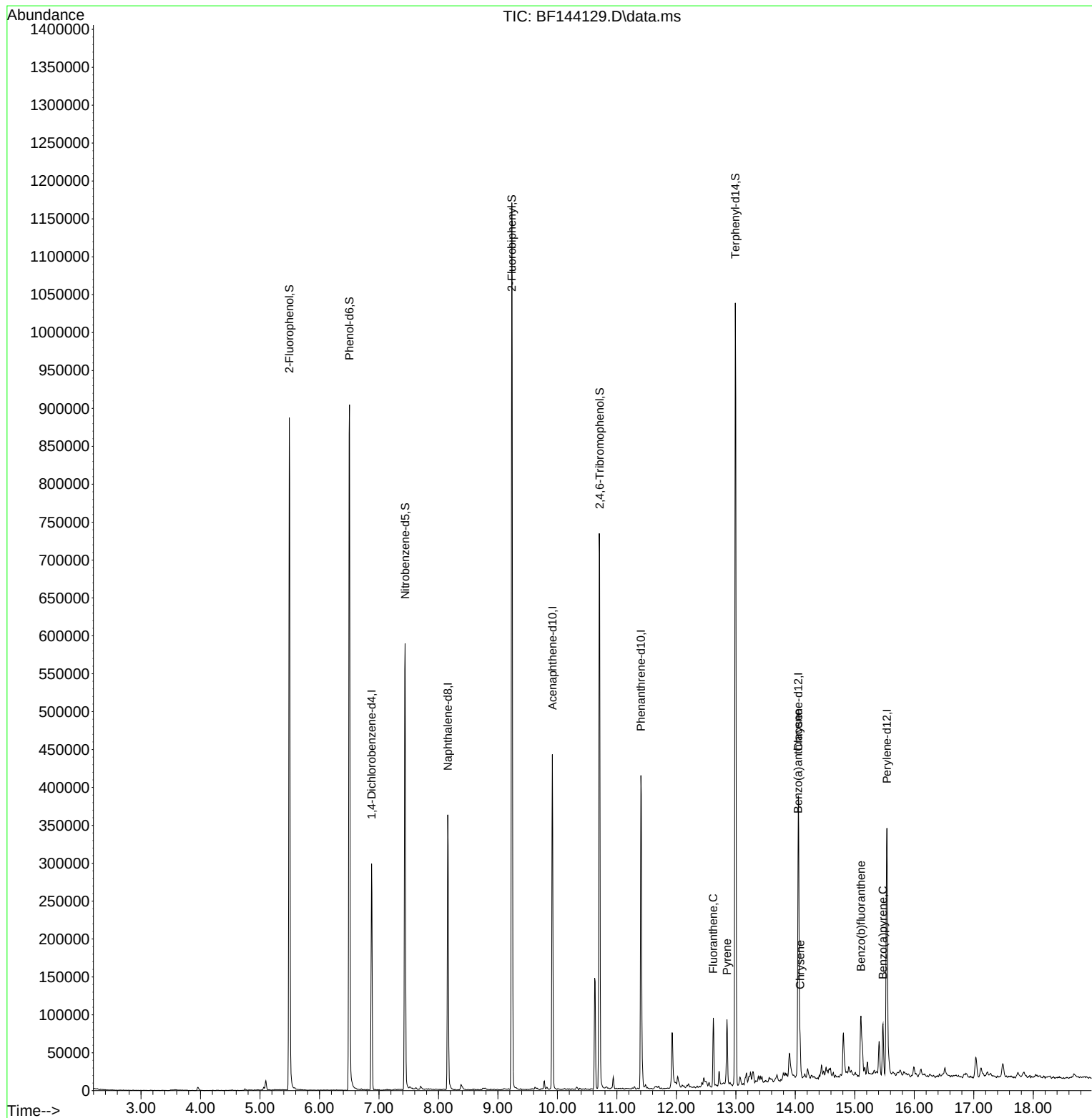
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144129.D
Acq On : 29 Oct 2025 15:32
Operator : RC/JU
Sample : Q3469-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

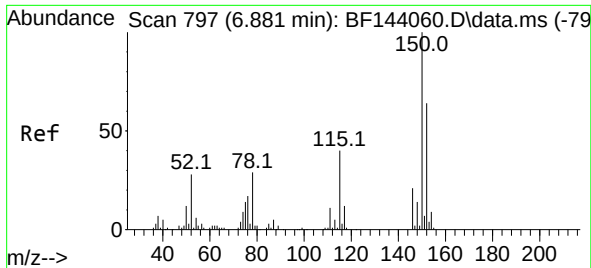
Instrument :
BNA_F
ClientSampleId :
TP-13

Quant Time: Oct 29 15:56:20 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

Manual Integrations
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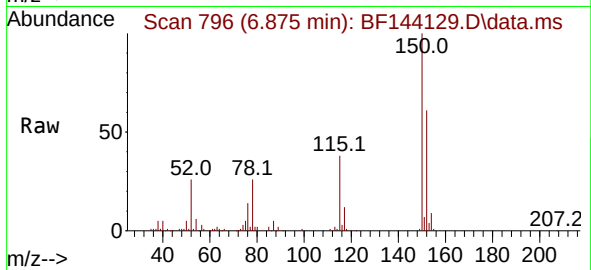
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

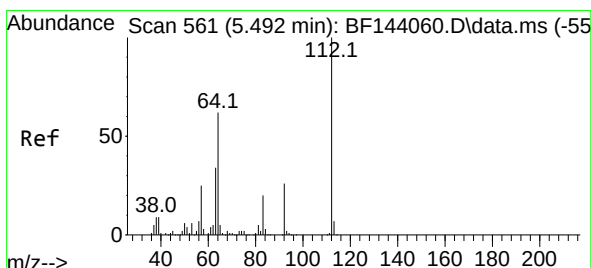
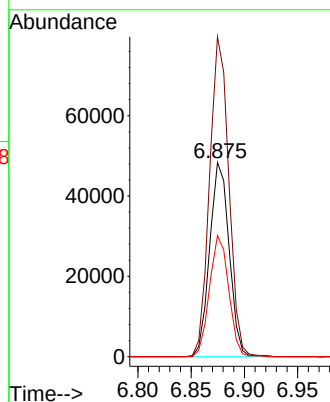
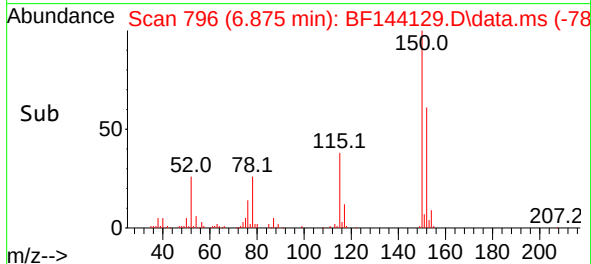
Instrument :
BNA_F
ClientSampleId :
TP-13



Tgt Ion:152 Resp: 61438
Ion Ratio Lower Upper
152 100
150 164.8 124.4 186.6
115 62.4 49.4 74.0

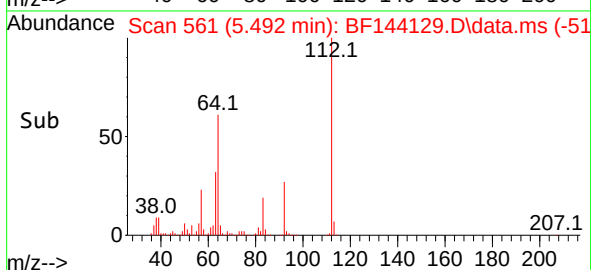
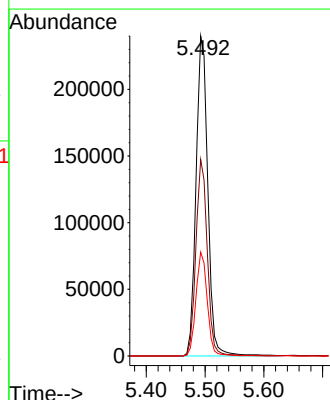
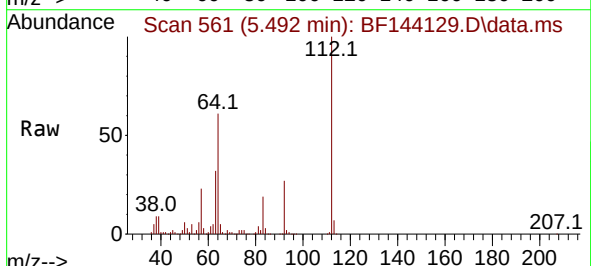
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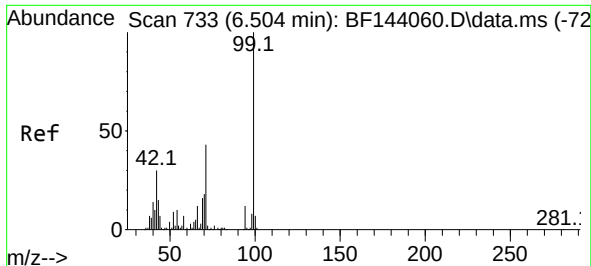
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#5
2-Fluorophenol
Concen: 86.111 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

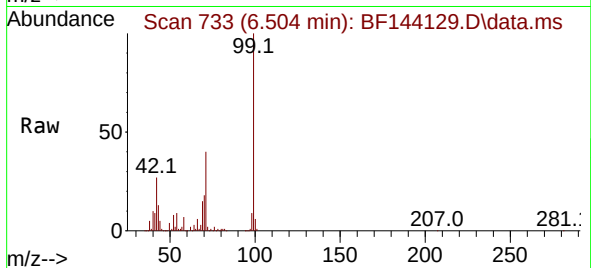
Tgt Ion:112 Resp: 334395
Ion Ratio Lower Upper
112 100
64 61.4 49.8 74.8
63 32.4 27.4 41.2





#7
Phenol-d6
Concen: 91.180 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

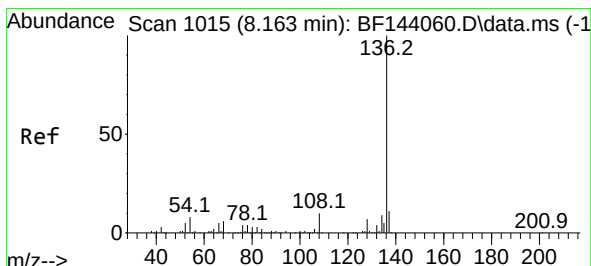
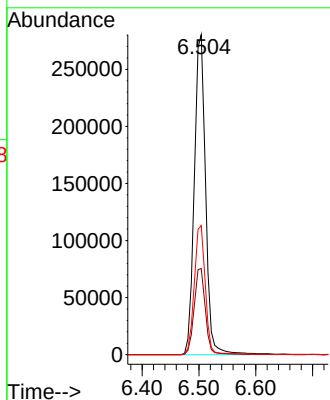
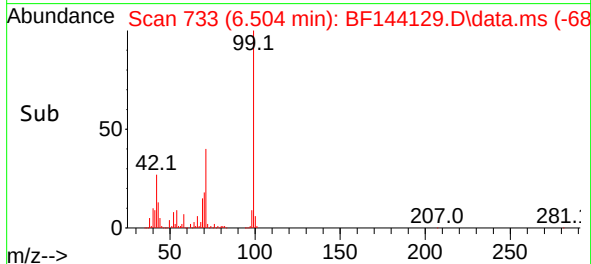
Instrument :
BNA_F
ClientSampleId :
TP-13



Tgt Ion: 99 Resp: 391044
Ion Ratio Lower Upper
99 100
42 26.9 23.9 35.9
71 40.4 34.4 51.6

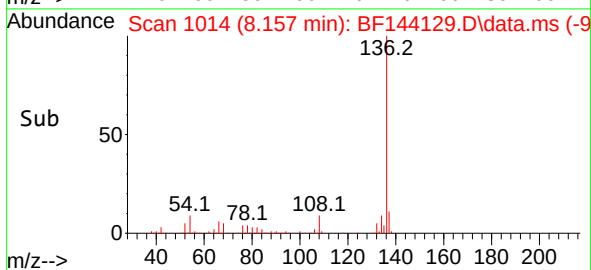
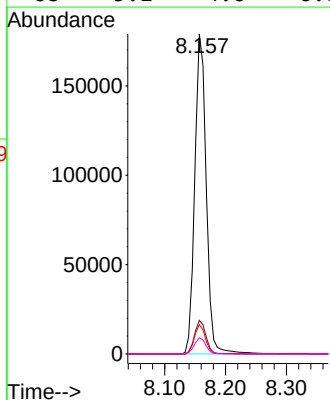
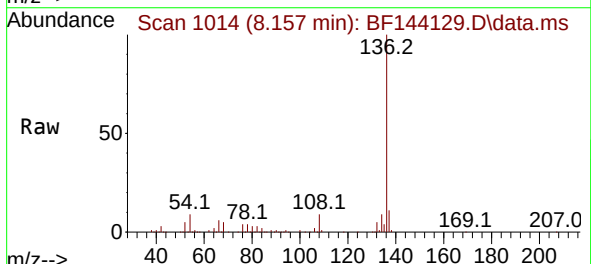
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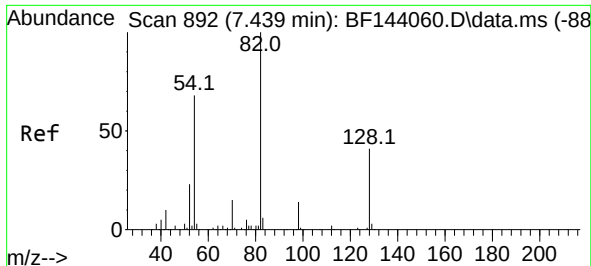
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

Tgt Ion:136 Resp: 234380
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 9.1 6.6 9.8
68 5.1 4.6 6.8





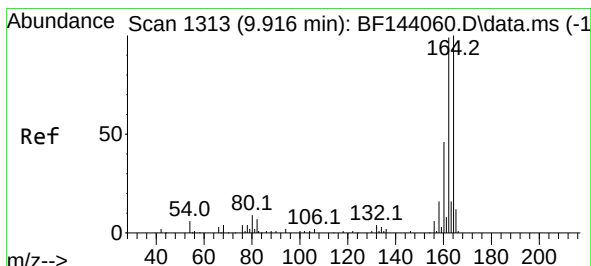
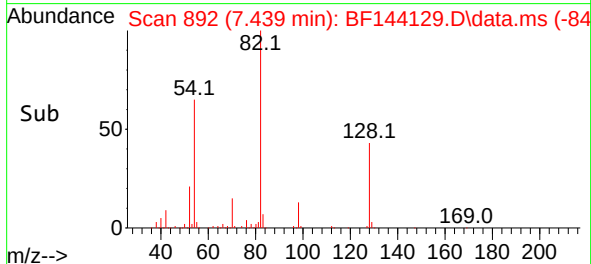
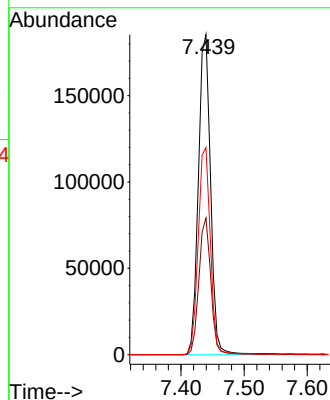
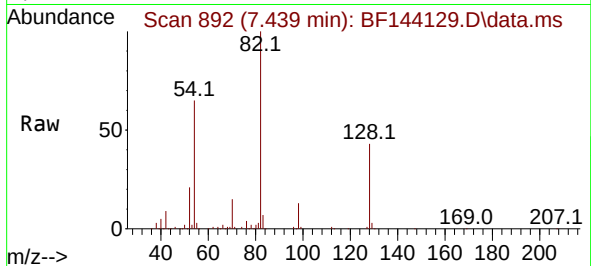
#23
Nitrobenzene-d5
Concen: 58.105 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.000 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

Instrument :
BNA_F
ClientSampleId :
TP-13

Tgt Ion: 82 Resp: 248572
Ion Ratio Lower Upper
82 100
128 42.7 32.4 48.6
54 64.7 54.0 81.0

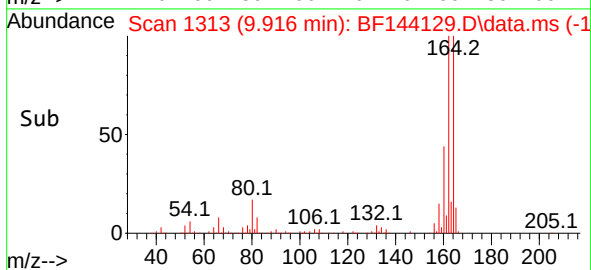
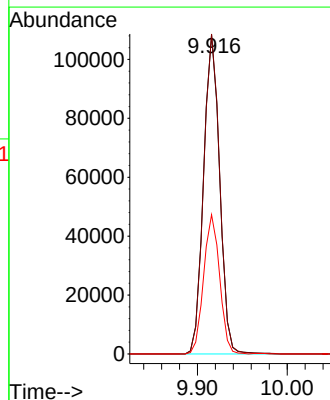
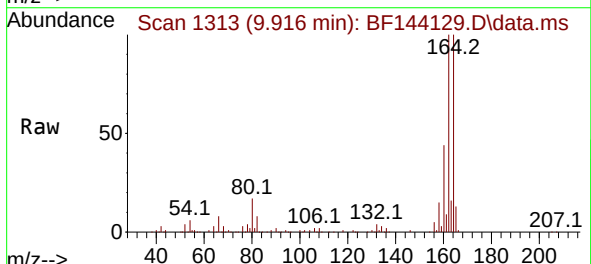
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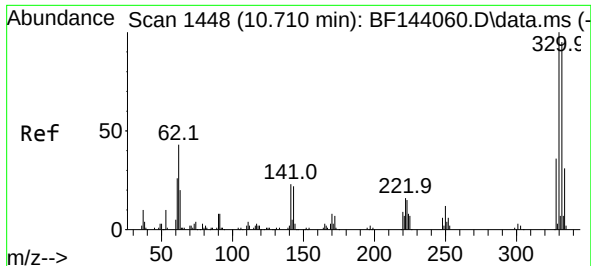
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.000 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

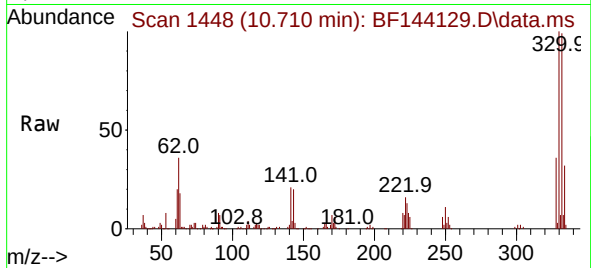
Tgt Ion:164 Resp: 134922
Ion Ratio Lower Upper
164 100
162 100.3 79.4 119.2
160 43.6 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 86.697 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.000 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

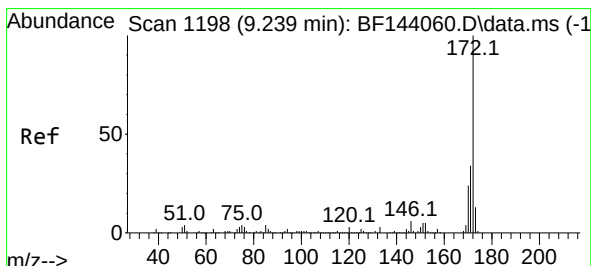
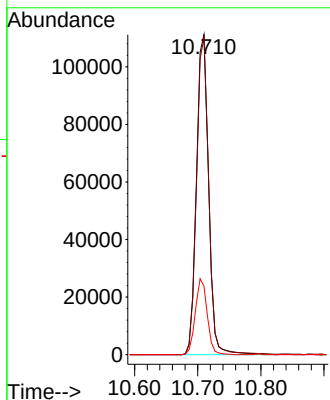
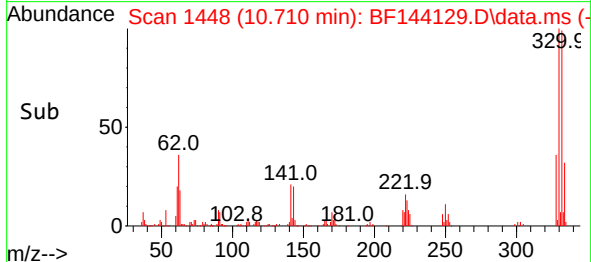
Instrument :
BNA_F
ClientSampleId :
TP-13



Tgt Ion:330 Resp: 14900
Ion Ratio Lower Upper
330 100
332 98.3 77.0 115.6
141 23.1 19.4 29.0

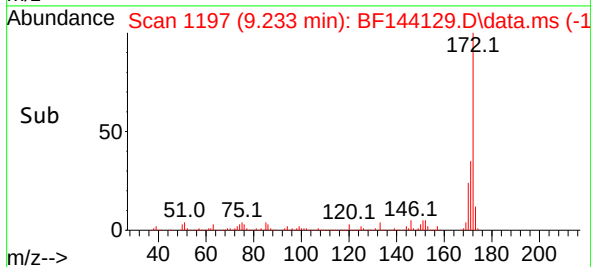
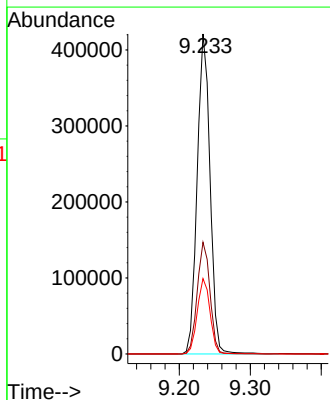
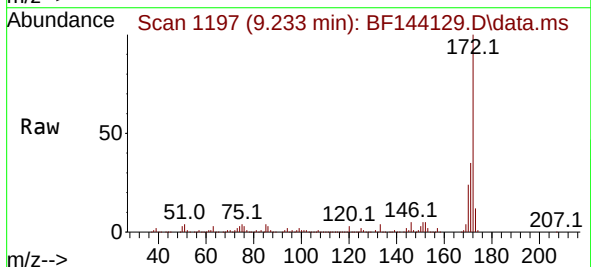
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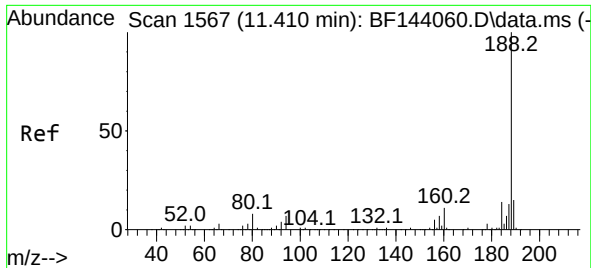
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#45
2-Fluorobiphenyl
Concen: 55.498 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

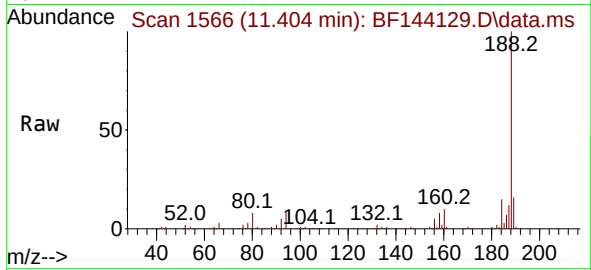
Tgt Ion:172 Resp: 532104
Ion Ratio Lower Upper
172 100
171 34.9 27.5 41.3
170 23.6 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

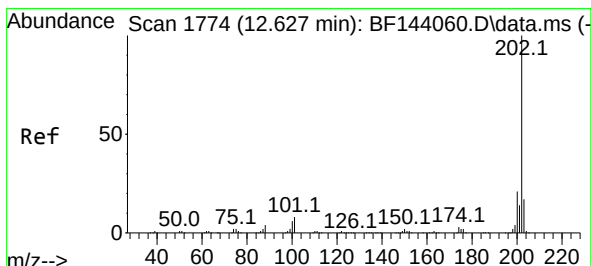
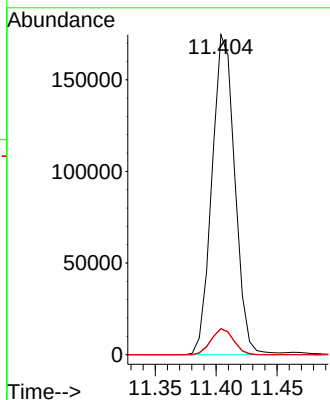
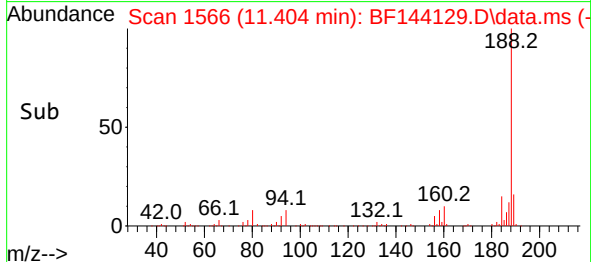
Instrument :
BNA_F
ClientSampleId :
TP-13



Tgt Ion:188 Resp: 228489
Ion Ratio Lower Upper
188 100
94 8.2 5.4 8.0
80 8.1 6.0 9.0

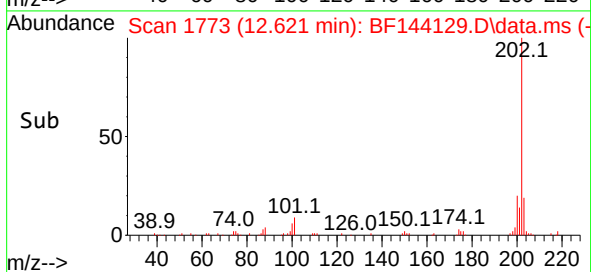
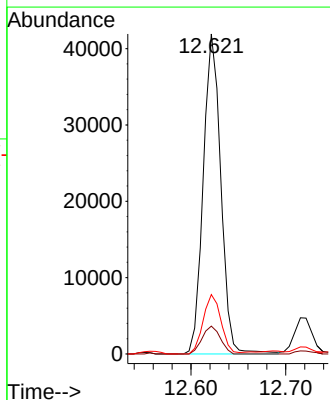
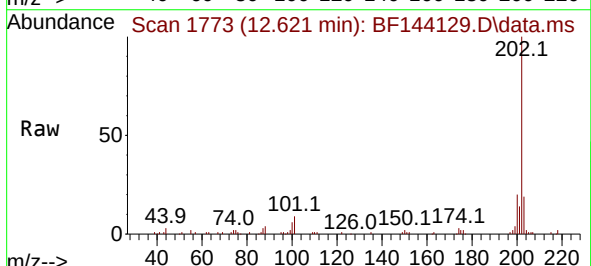
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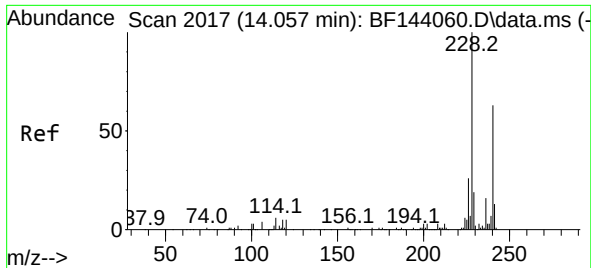
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#75
Fluoranthene
Concen: 4.310 ng
RT: 12.621 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

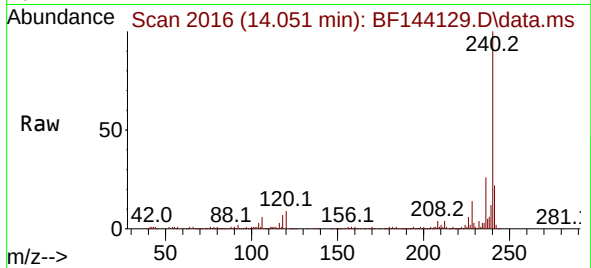
Tgt Ion:202 Resp: 54047
Ion Ratio Lower Upper
202 100
101 8.7 0.0 27.7
203 18.6 0.0 37.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

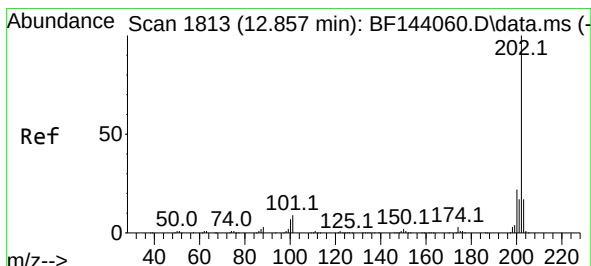
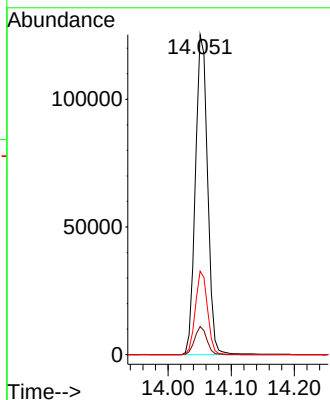
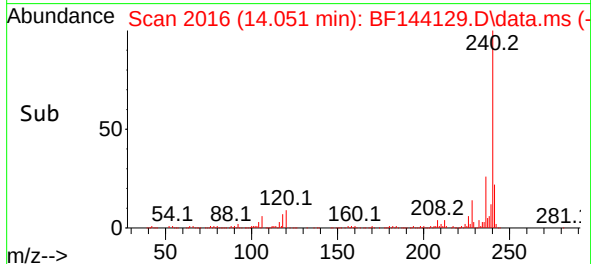
Instrument :
BNA_F
ClientSampleId :
TP-13



Tgt Ion:240 Resp: 16829
Ion Ratio Lower Upper
240 100
120 8.8 6.5 9.7
236 26.1 20.1 30.1

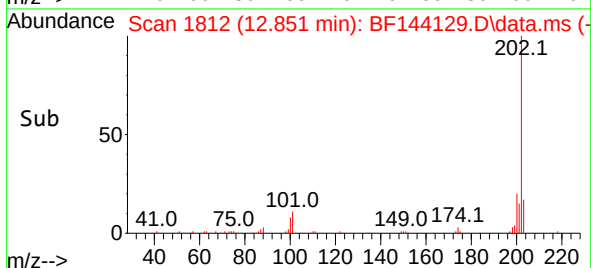
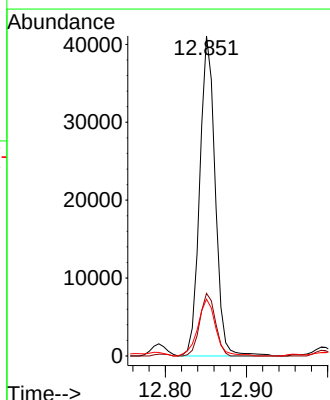
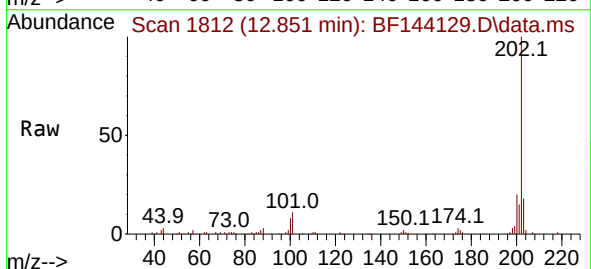
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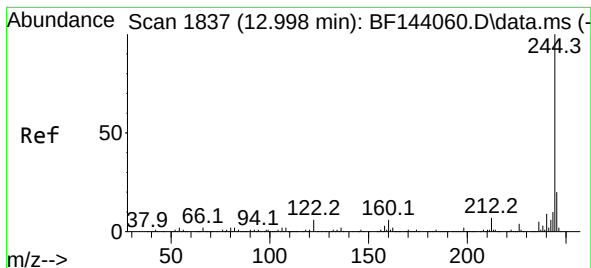
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#78
Pyrene
Concen: 4.484 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

Tgt Ion:202 Resp: 54256
Ion Ratio Lower Upper
202 100
200 19.6 17.2 25.8
203 17.8 13.5 20.3





#79

Terphenyl-d14

Concen: 56.360 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF144129.D

Acq: 29 Oct 2025 15:32

Instrument :

BNA_F

ClientSampleId :

TP-13

Tgt Ion:244 Resp: 54254

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.6

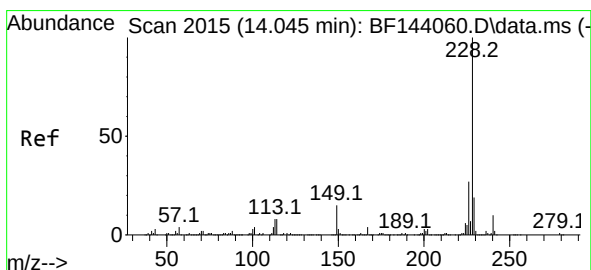
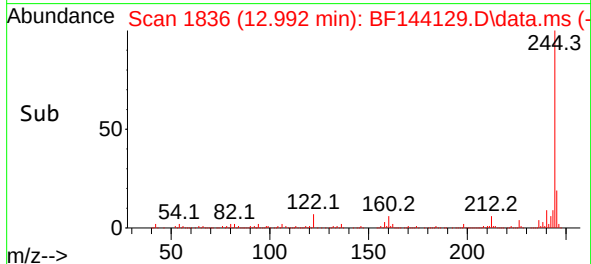
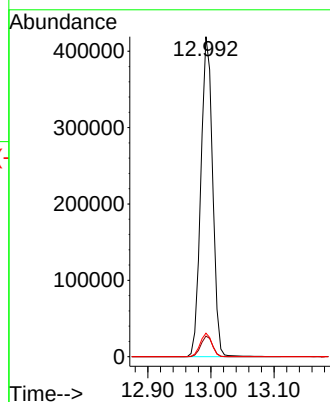
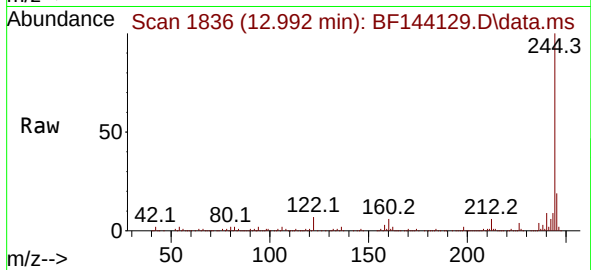
122 7.4 4.9 7.3

Manual Integrations

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Reviewed By :Rahul Chavli 10/30/2025

Supervised By :Jagrut Upadhyay 10/30/2025



#81

Benzo(a)anthracene

Concen: 3.501 ng m

RT: 14.045 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF144129.D

Acq: 29 Oct 2025 15:32

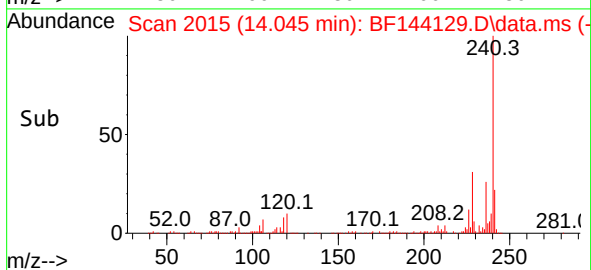
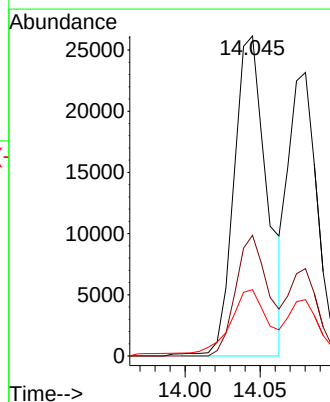
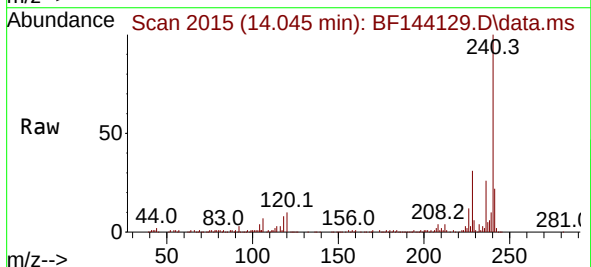
Tgt Ion:228 Resp: 39819

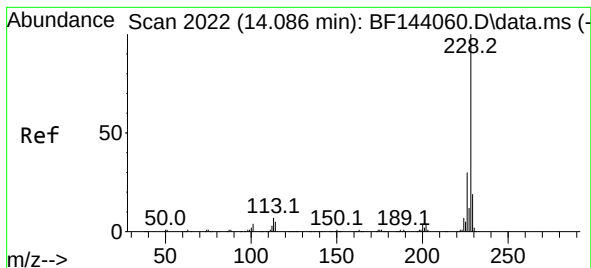
Ion Ratio Lower Upper

228 100

226 37.7 21.4 32.2#

229 20.7 15.3 22.9





#83

Chrysene

Concen: 2.876 ng

RT: 14.080 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF144129.D

Acq: 29 Oct 2025 15:32

Instrument :

BNA_F

ClientSampleId :

TP-13

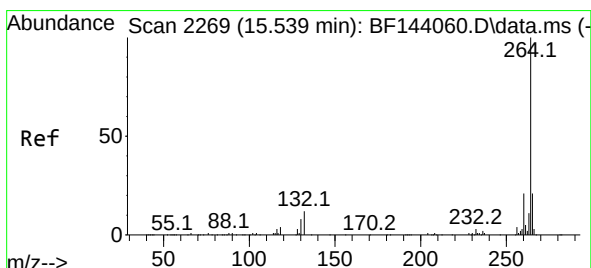
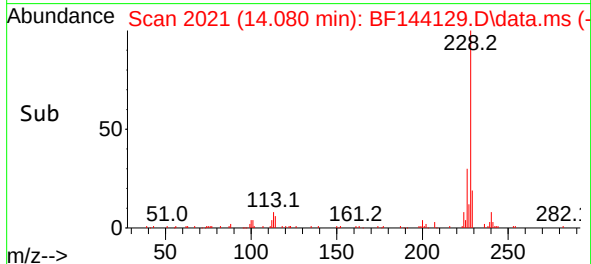
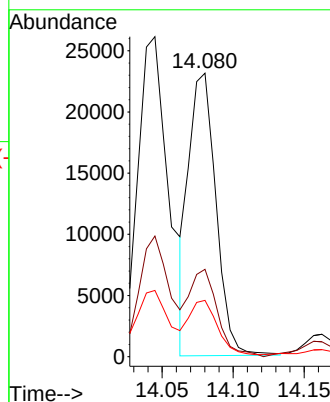
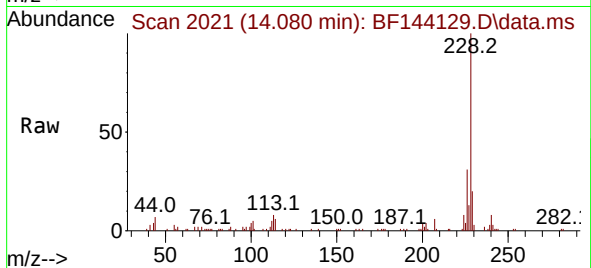
Tgt Ion:228	Resp:	30694
Ion Ratio	Lower	Upper
228	100	
226	30.8	23.8 35.6
229	19.9	15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/30/2025

Supervised By :Jagrut Upadhyay 10/30/2025



#86

Perylene-d12

Concen: 20.000 ng

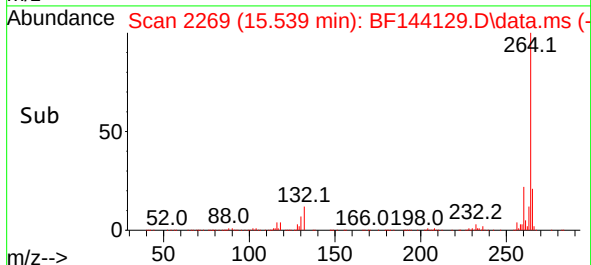
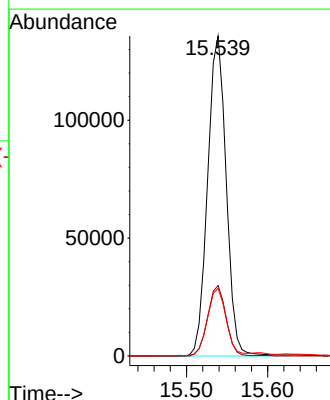
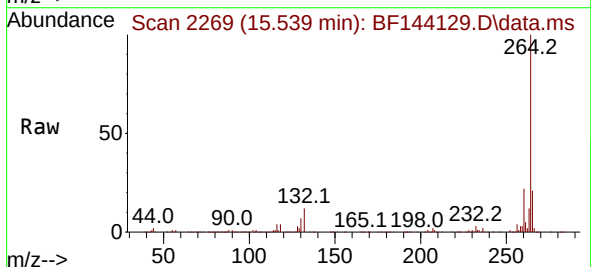
RT: 15.539 min Scan# 2269

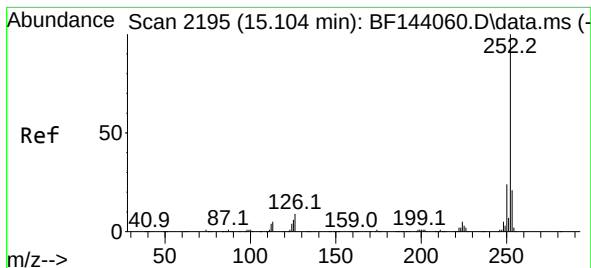
Delta R.T. -0.000 min

Lab File: BF144129.D

Acq: 29 Oct 2025 15:32

Tgt Ion:264	Resp:	215048
Ion Ratio	Lower	Upper
264	100	
260	22.0	17.0 25.4
265	21.1	16.6 24.8





#88

Benzo(b)fluoranthene

Concen: 5.359 ng m

RT: 15.104 min Scan# 2195

Delta R.T. -0.000 min

Lab File: BF144129.D

Acq: 29 Oct 2025 15:32

Instrument :

BNA_F

ClientSampleId :

TP-13

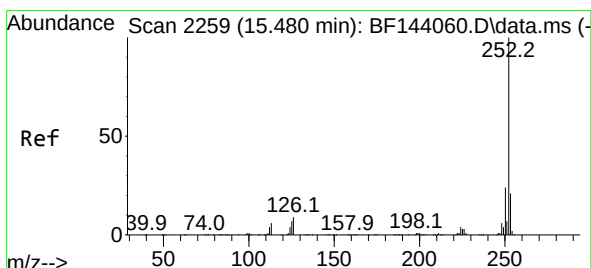
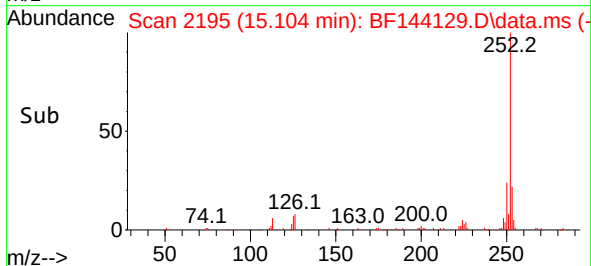
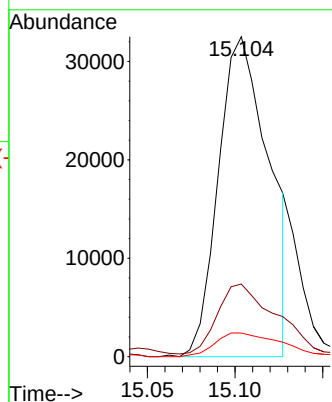
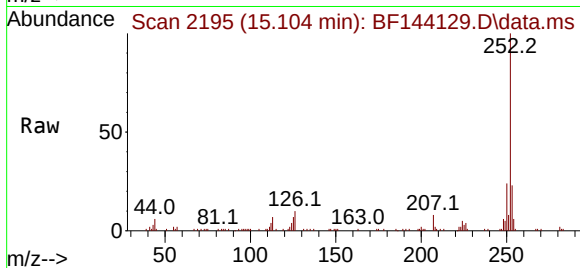
Tgt Ion:252 Resp: 65152
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.2 25.8
 125 7.4 5.0 7.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/30/2025

Supervised By :Jagrut Upadhyay 10/30/2025



#90

Benzo(a)pyrene

Concen: 3.915 ng

RT: 15.474 min Scan# 2258

Delta R.T. -0.006 min

Lab File: BF144129.D

Acq: 29 Oct 2025 15:32

Tgt Ion:252 Resp: 42705
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.1 25.7
 125 7.9 5.4 8.2

