

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
 Data File : BF144023.D
 Acq On : 21 Oct 2025 20:27
 Operator : RC/JU
 Sample : Q3402-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 41-RB

Quant Time: Oct 22 11:12:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul
 Chavli

10/22/2025
 Supervised By :Jagrut
 Upadhyay

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	106165	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	386692	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	185031	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	278657	20.000	ng	0.00
76) Chrysene-d12	14.057	240	243695	20.000	ng	-0.01
86) Perylene-d12	15.545	264	299709	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	509992	76.283	ng	0.00
7) Phenol-d6	6.504	99	604376	75.842	ng	-0.01
23) Nitrobenzene-d5	7.440	82	335105	52.650	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	113033	61.333	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	529805	45.434	ng	-0.01
79) Terphenyl-d14	12.998	244	446072	31.284	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.433	178	35484	2.627	ng	98
75) Fluoranthene	12.627	202	66170	4.742	ng	97
78) Pyrene	12.857	202	57633	2.837	ng	98
81) Benzo(a)anthracene	14.051	228	34677	2.174	ng	94
88) Benzo(b)fluoranthene	15.110	252	36659m	2.129	ng	

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

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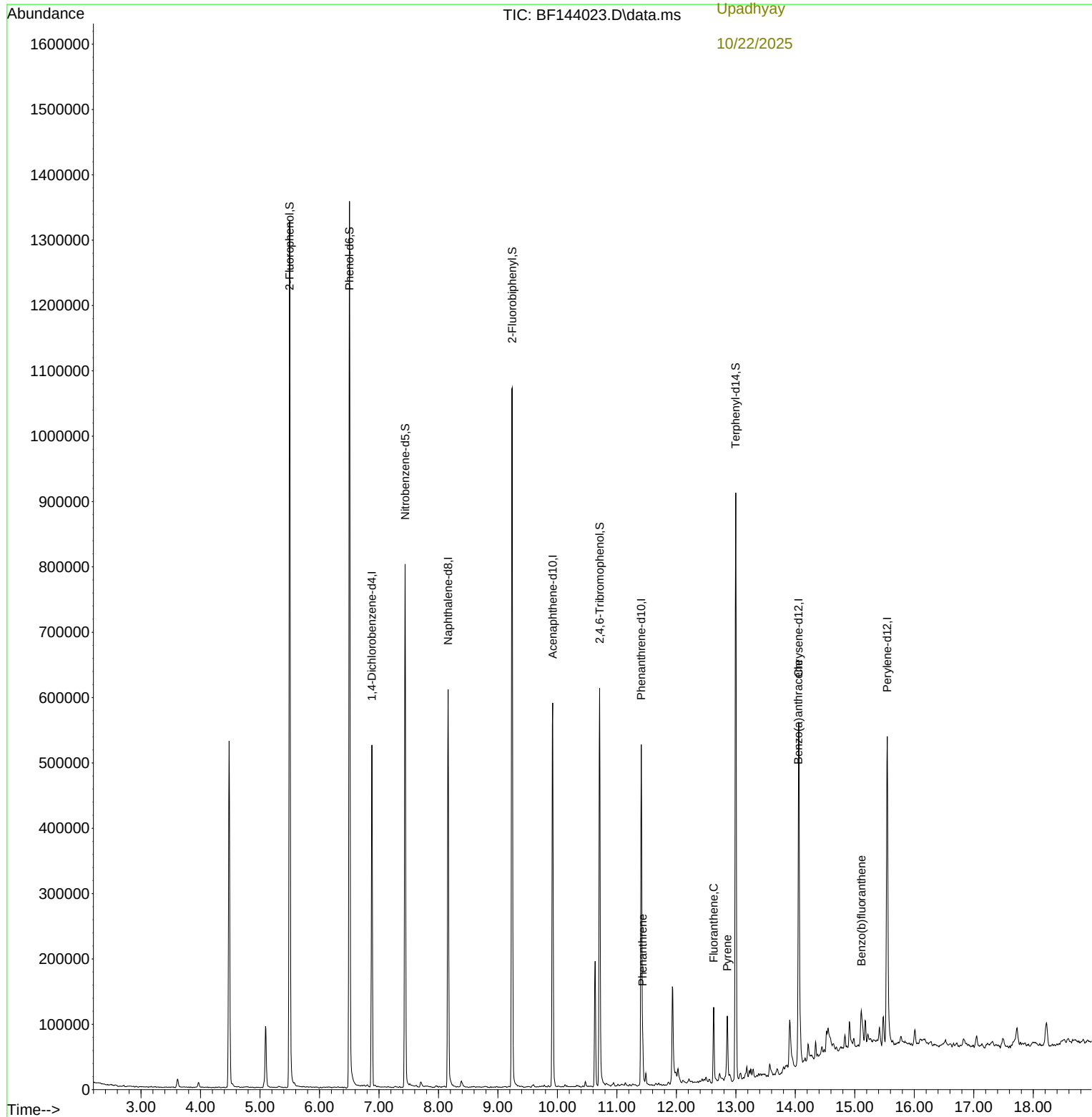
Instrument :
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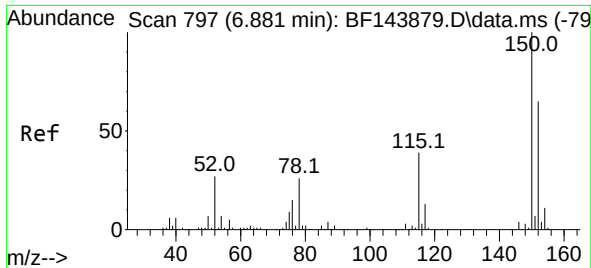
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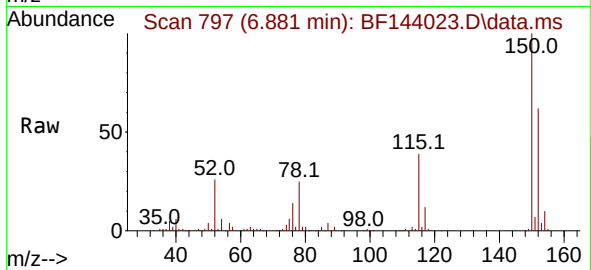
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27

Instrument :
BNA_F
ClientSampleId :
41-RB



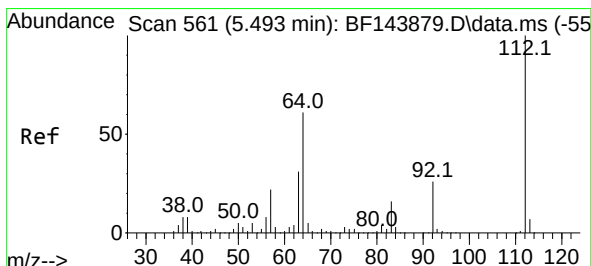
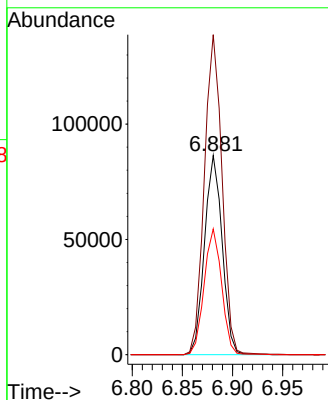
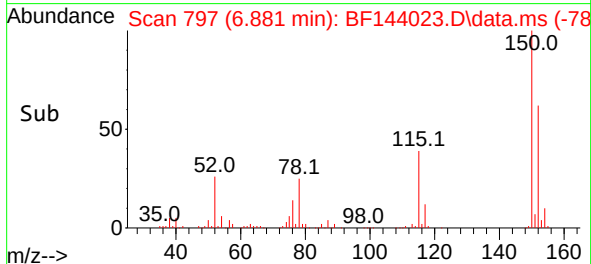
Tgt Ion:152 Resp: 10616
Ion Ratio Lower Upper
152 100
150 160.6 124.4 186.6
115 63.1 48.1 72.1

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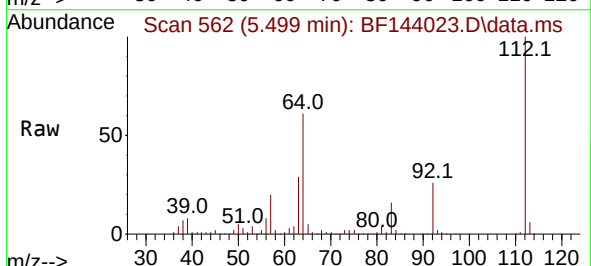
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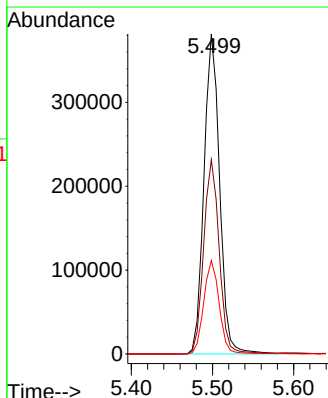
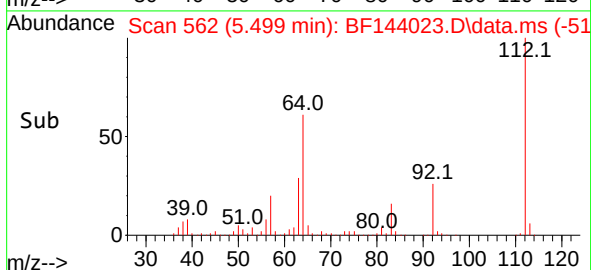
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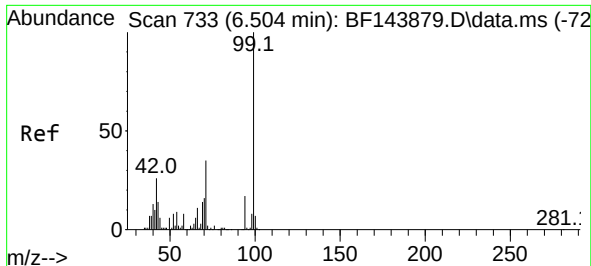


#5
2-Fluorophenol
Concen: 76.283 ng
RT: 5.499 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27



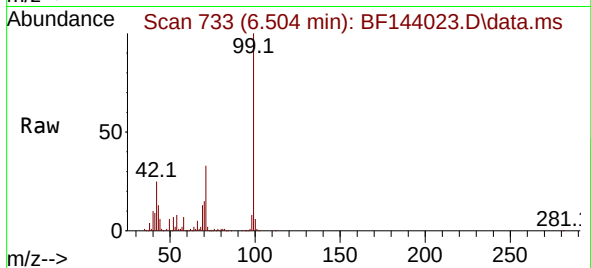
Tgt Ion:112 Resp: 509992
Ion Ratio Lower Upper
112 100
64 60.7 49.1 73.7
63 29.2 24.5 36.7





#7
Phenol-d6
Concen: 75.842 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27

Instrument :
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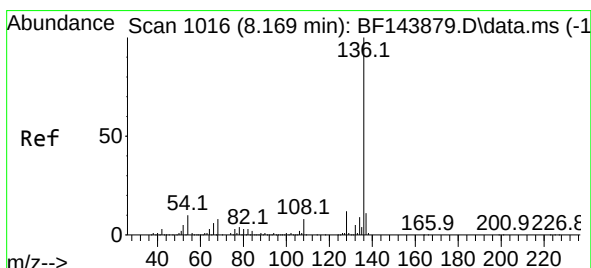
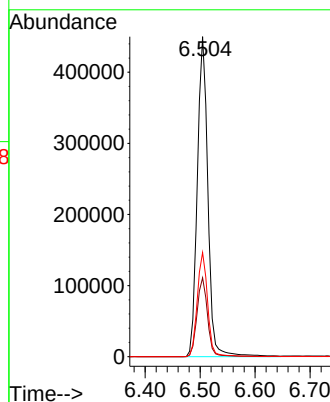
Tgt Ion: 99 Resp: 604370
Ion Ratio Lower Upper
99 100
42 24.7 21.0 31.4
71 32.5 27.8 41.8

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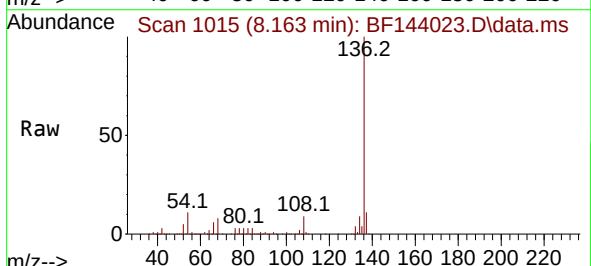
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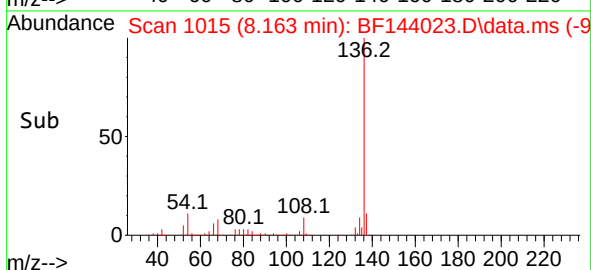
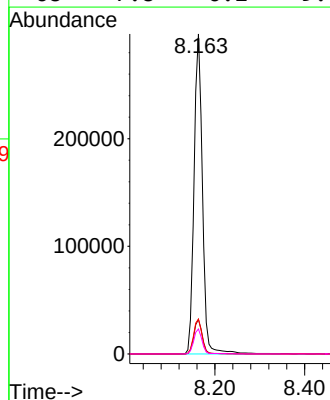
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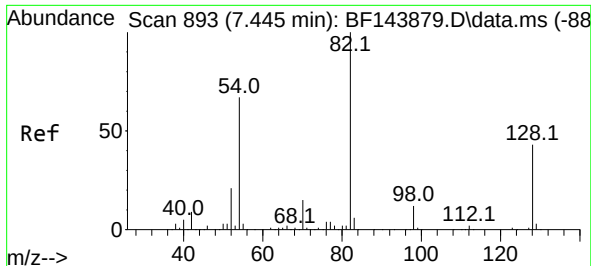


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27



Tgt Ion:136 Resp: 386692
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 10.9 8.2 12.4
68 7.8 6.2 9.4





#23

Nitrobenzene-d5

Concen: 52.650 ng

RT: 7.440 min Scan# 893

Delta R.T. -0.017 min

Lab File: BF144023.D

Acq: 21 Oct 2025 20:27

Instrument :

BNA_F

ClientSampleId :

41-RB

Tgt Ion: 82 Resp: 33510
 Ion Ratio Lower Upper
 82 100
 128 43.7 34.0 51.0
 54 63.1 53.2 79.8

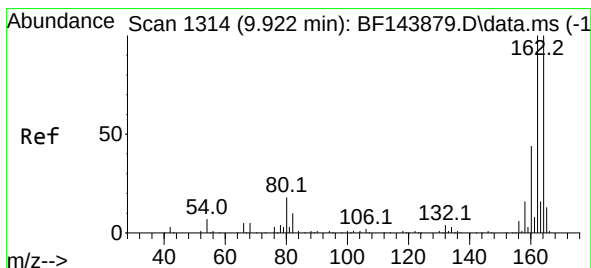
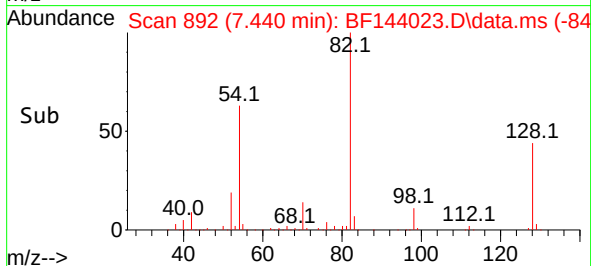
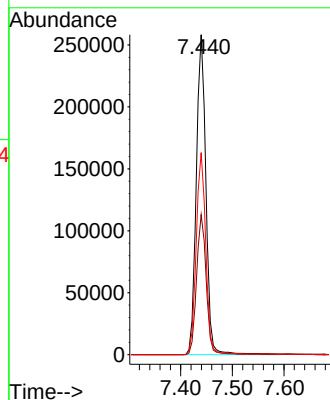
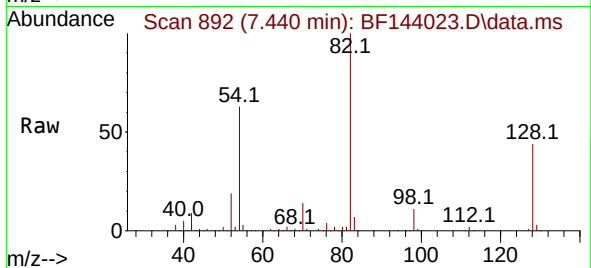
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#39

Acenaphthene-d10

Concen: 20.000 ng

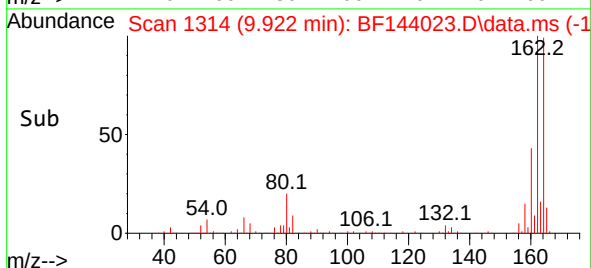
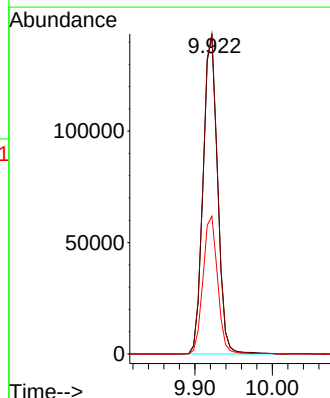
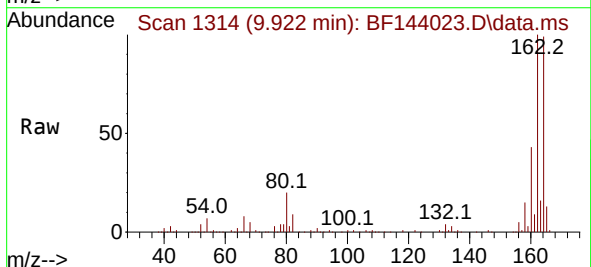
RT: 9.922 min Scan# 1314

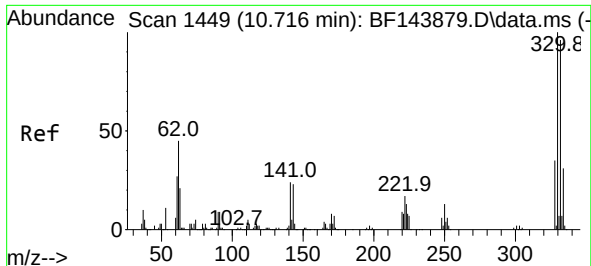
Delta R.T. -0.005 min

Lab File: BF144023.D

Acq: 21 Oct 2025 20:27

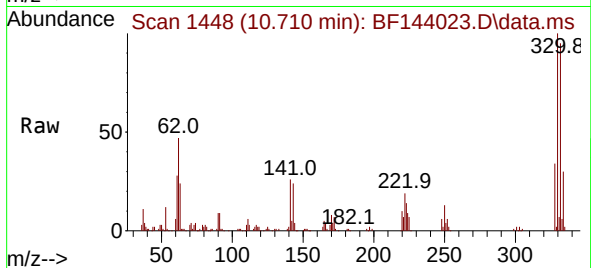
Tgt Ion:164 Resp: 185031
 Ion Ratio Lower Upper
 164 100
 162 100.9 80.2 120.2
 160 43.4 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 61.333 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27

Instrument :
BNA_F
ClientSampleId :
41-RB



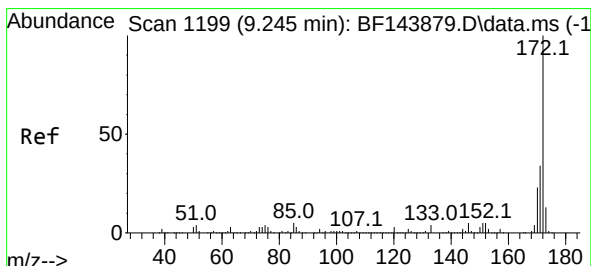
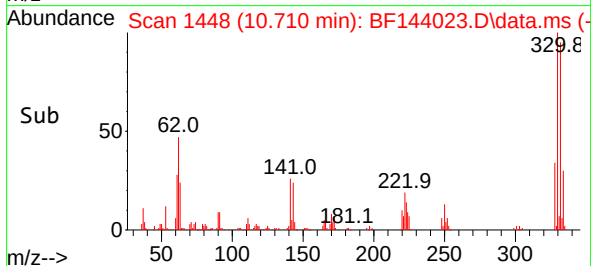
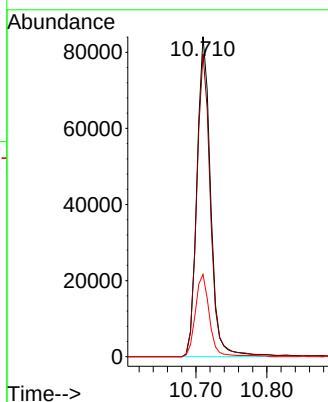
Tgt Ion: 330 Resp: 11303
Ion Ratio Lower Upper
330 100
332 95.4 76.9 115.3
141 26.5 20.2 30.4

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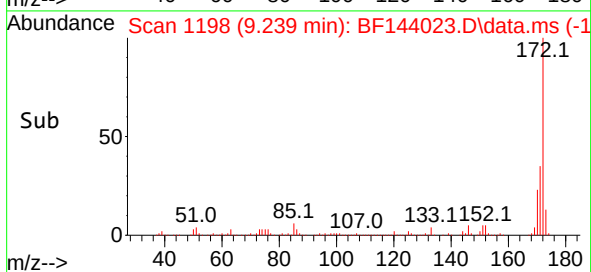
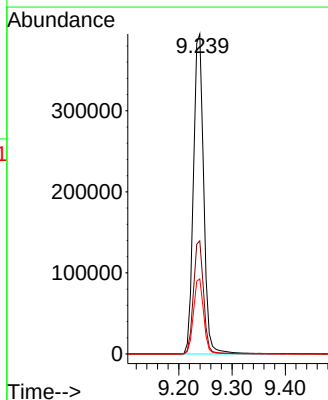
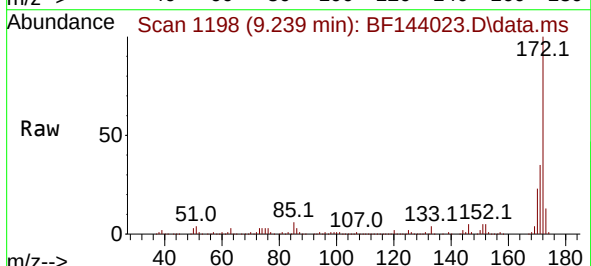
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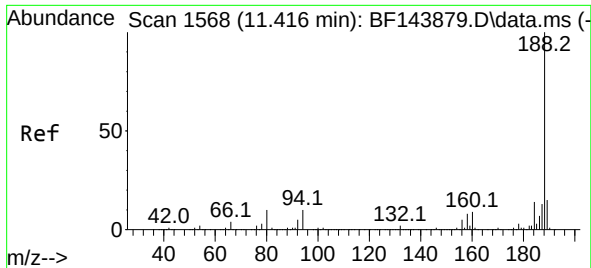
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#45
2-Fluorobiphenyl
Concen: 45.434 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27

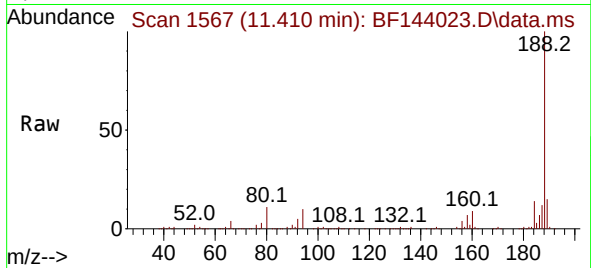
Tgt Ion: 172 Resp: 529805
Ion Ratio Lower Upper
172 100
171 35.4 27.4 41.0
170 23.4 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27

Instrument :
BNA_F
ClientSampleId :
41-RB



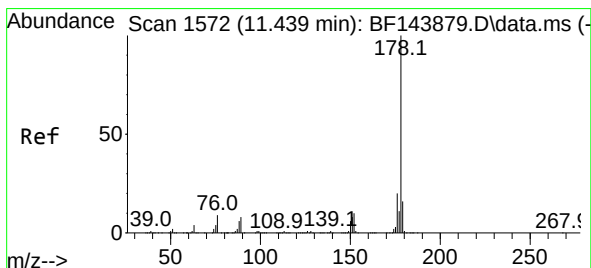
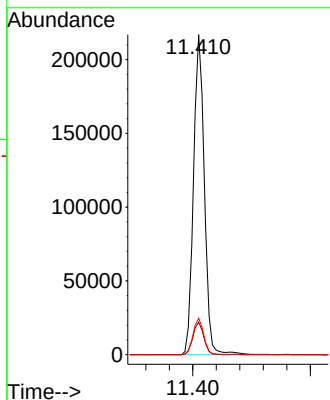
Tgt Ion:188 Resp: 27865
Ion Ratio Lower Upper
188 100
94 10.2 7.8 11.6
80 11.3 7.9 11.9

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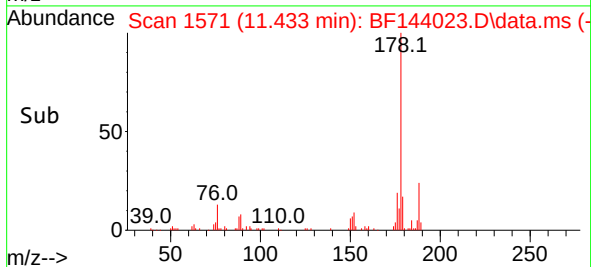
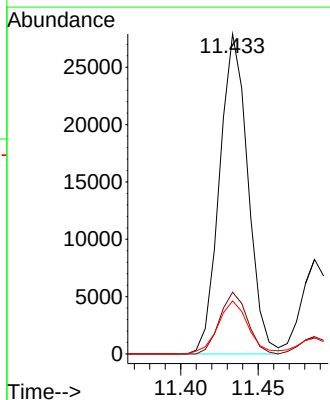
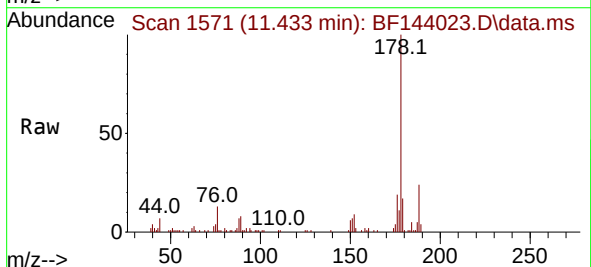
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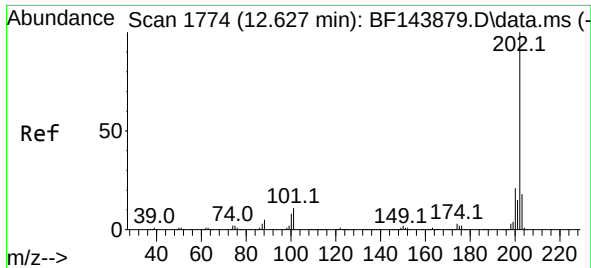
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#71
Phenanthrene
Concen: 2.627 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27

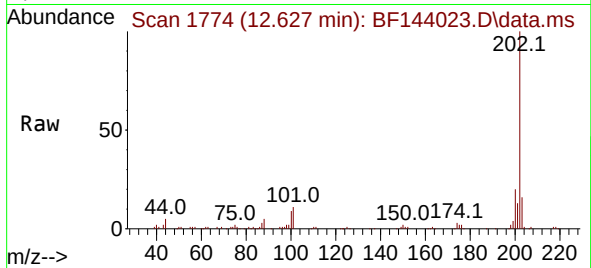
Tgt Ion:178 Resp: 35484
Ion Ratio Lower Upper
178 100
176 19.3 15.9 23.9
179 16.6 12.4 18.6





#75
Fluoranthene
Concen: 4.742 ng
RT: 12.627 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27

Instrument :
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ClientSampleId :
41-RB



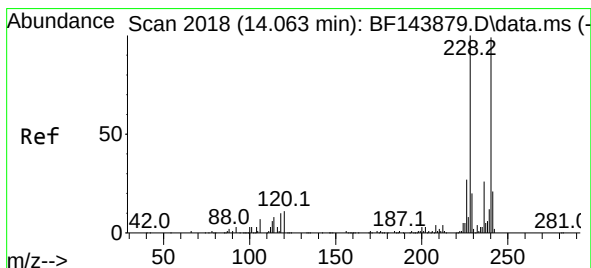
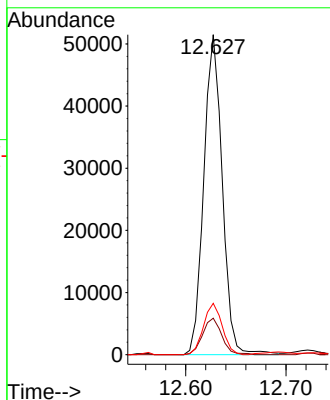
Tgt Ion:202 Resp: 66170
Ion Ratio Lower Upper
202 100
101 11.4 0.0 30.7
203 16.0 0.0 37.8

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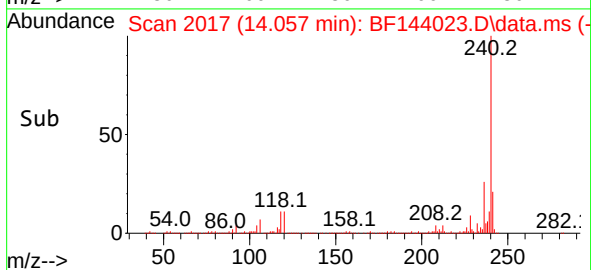
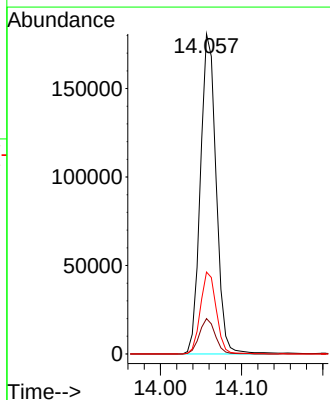
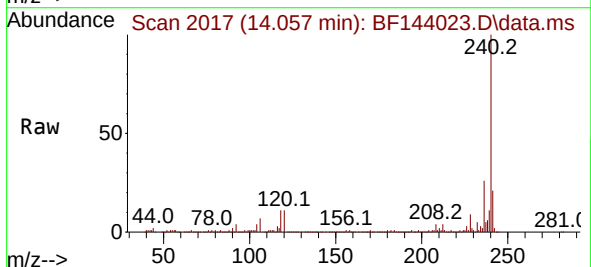
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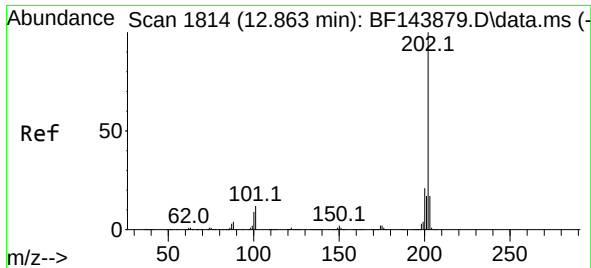
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27

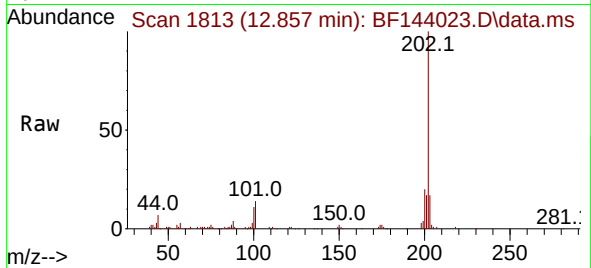
Tgt Ion:240 Resp: 243695
Ion Ratio Lower Upper
240 100
120 11.0 8.6 13.0
236 25.6 21.1 31.7





#78
Pyrene
Concen: 2.837 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27

Instrument :
BNA_F
ClientSampleId :
41-RB



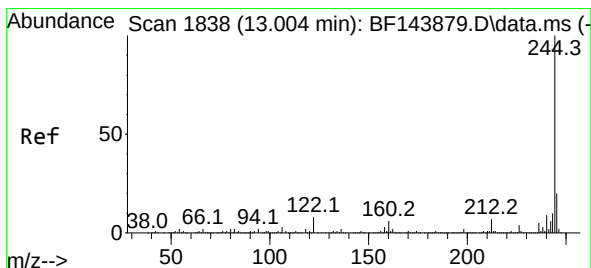
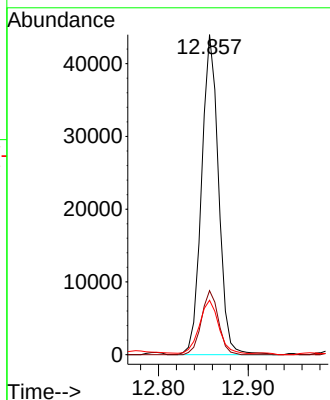
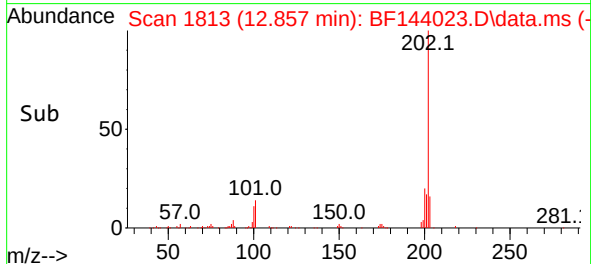
Tgt Ion:202 Resp: 5763
Ion Ratio Lower Upper
202 100
200 20.0 17.0 25.6
203 17.0 13.8 20.6

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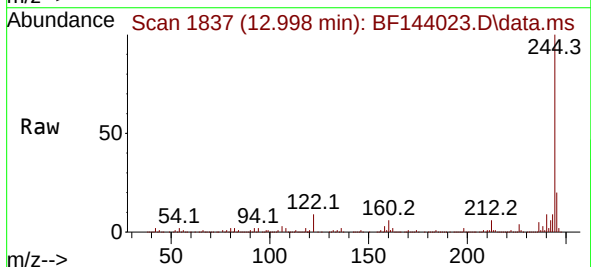
Reviewed By :Rahul
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Upadhyay

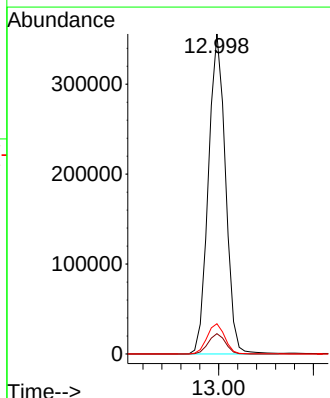
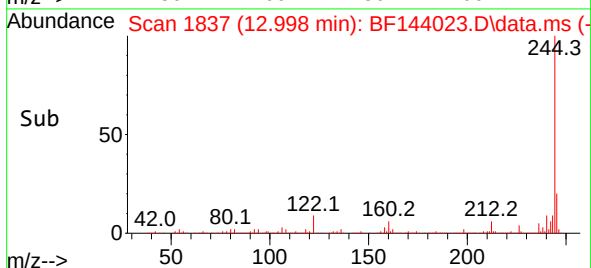
10/22/2025

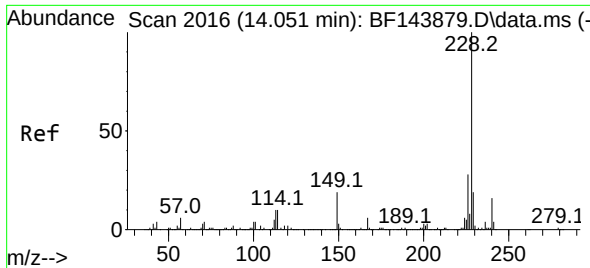


#79
Terphenyl-d14
Concen: 31.284 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27



Tgt Ion:244 Resp: 446072
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 9.5 6.4 9.6





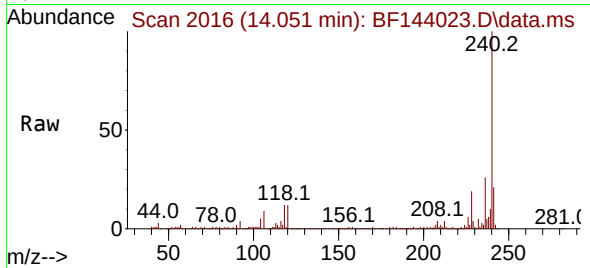
#81
Benzo(a)anthracene
Concen: 2.174 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:228 Resp: 3467
Ion Ratio Lower Upper
228 100
226 30.2 22.2 33.2
229 22.9 15.6 23.4

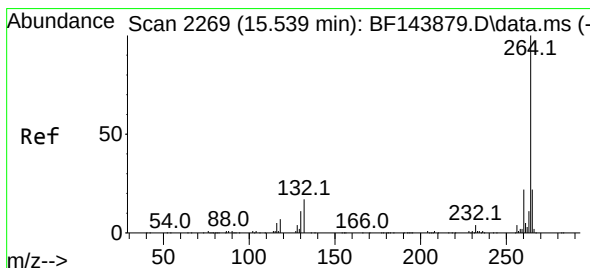
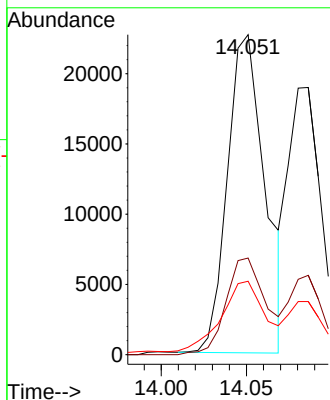
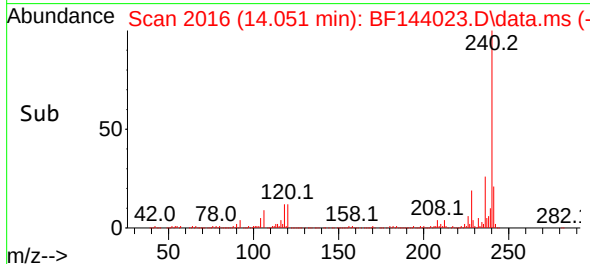
Manual Integrations
APPROVED

Reviewed By :Rahul
Chavli

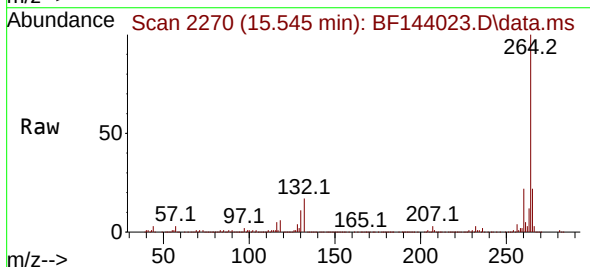
10/22/2025

Supervised By :Jagrut
Upadhyay

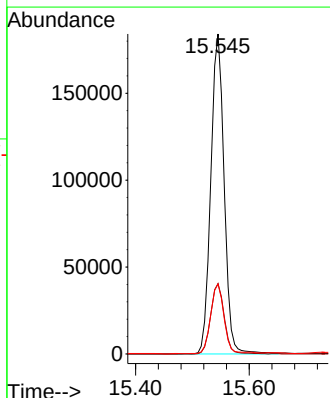
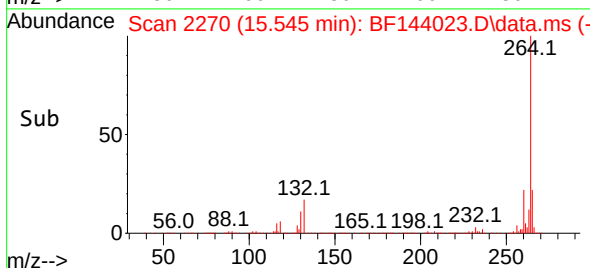
10/22/2025

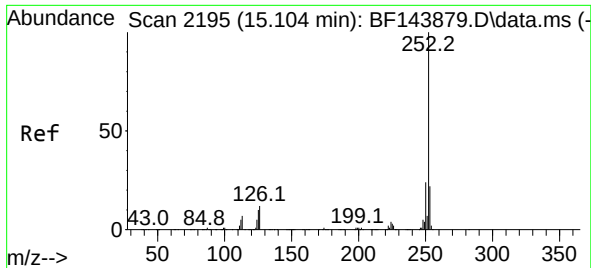


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27



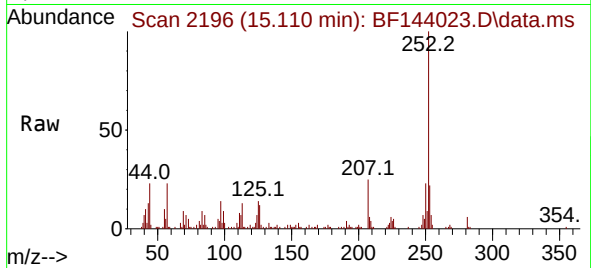
Tgt Ion:264 Resp: 299709
Ion Ratio Lower Upper
264 100
260 22.0 17.8 26.8
265 21.9 17.5 26.3





#88
Benzo(b)fluoranthene
Concen: 2.129 ng m
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF144023.D
Acq: 21 Oct 2025 20:27

Instrument :
BNA_F
ClientSampleId :
41-RB



Tgt Ion:252 Resp: 36659
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.2
125 14.4 7.8 11.6

Manual Integrations
APPROVED

Reviewed By :Rahul
Chavli

10/22/2025
Supervised By :Jagrut
Upadhyay

10/22/2025

