

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
 Data File : BF143944.D
 Acq On : 13 Oct 2025 20:54
 Operator : RC/JU
 Sample : Q3327-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HADLEY-ROAD-TP

Quant Time: Oct 14 01:31:30 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

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

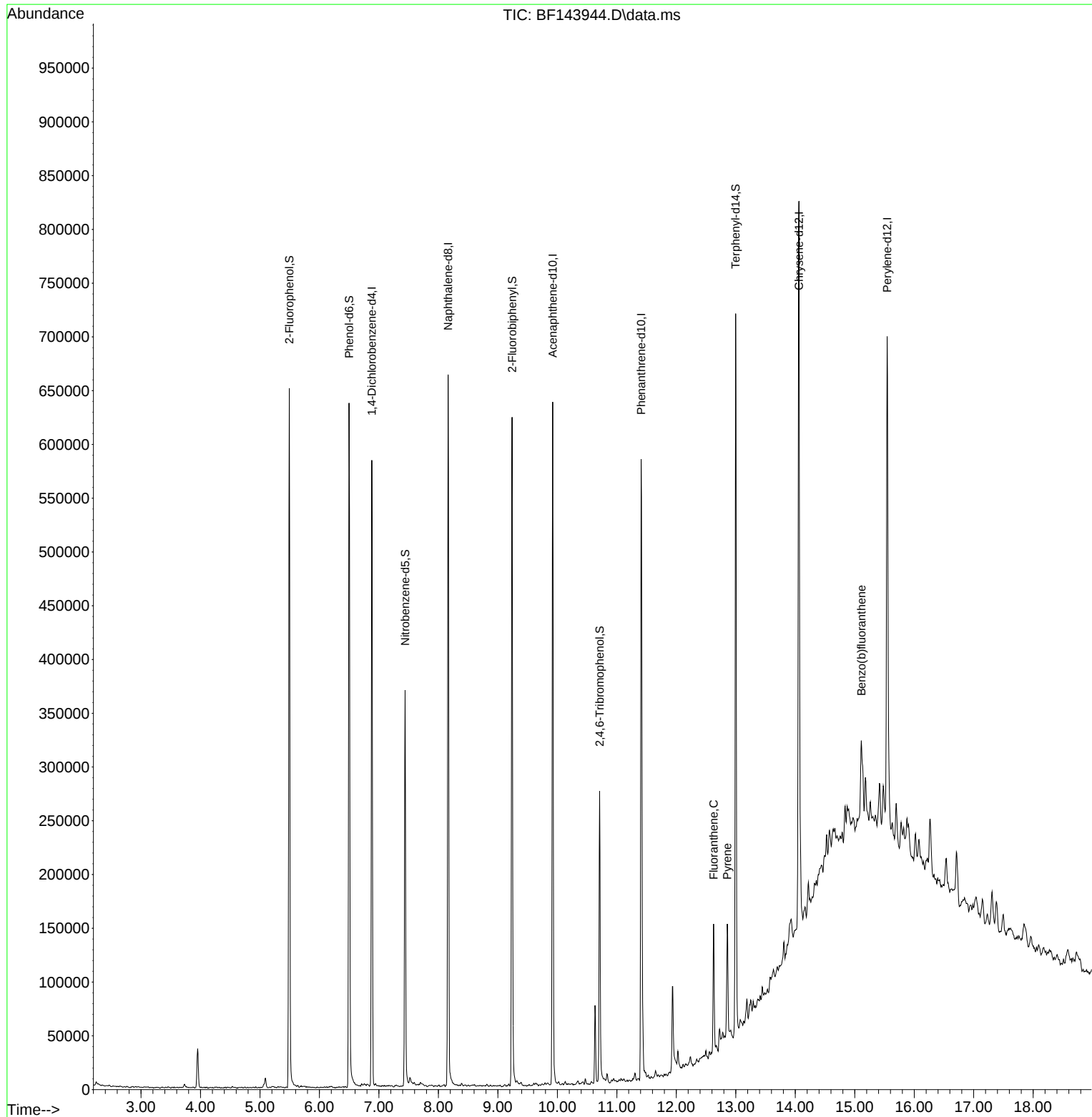
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	118288	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	415855	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	189375	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	313795	20.000	ng	# 0.00
76) Chrysene-d12	14.063	240	334489	20.000	ng	0.00
86) Perylene-d12	15.545	264	301190	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	249858	33.543	ng	0.00
7) Phenol-d6	6.498	99	285605	32.167	ng	-0.02
23) Nitrobenzene-d5	7.439	82	155579	22.729	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	49541	26.265	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	304378	25.503	ng	-0.01
79) Terphenyl-d14	12.998	244	343419	17.547	ng	-0.01
Target Compounds						
75) Fluoranthene	12.627	202	67271	4.281	ng	Qvalue 99
78) Pyrene	12.857	202	60736	2.178	ng	100
88) Benzo(b)fluoranthene	15.110	252	41054m	2.373	ng	

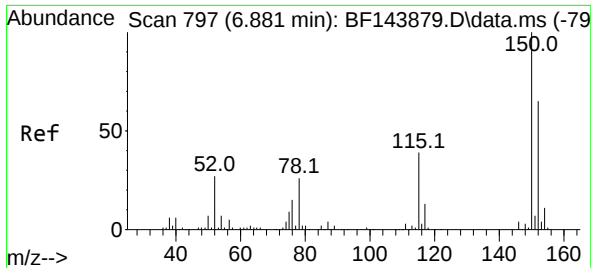
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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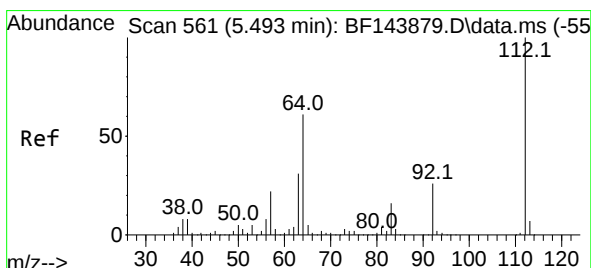
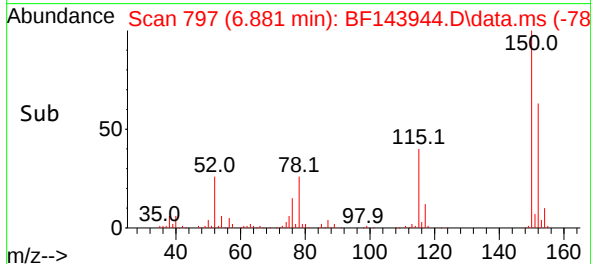
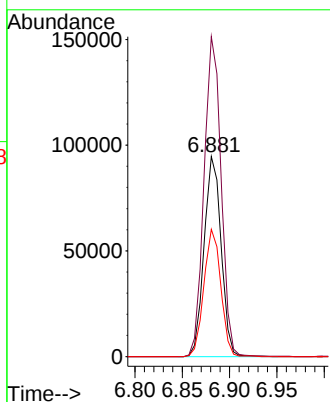
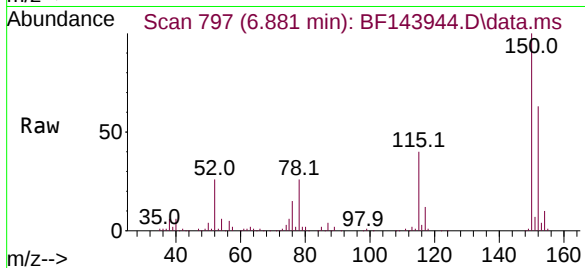




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF143944.D
Acq: 13 Oct 2025 20:54

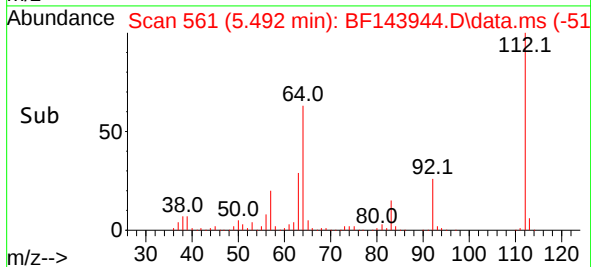
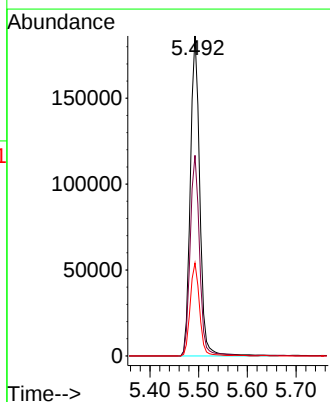
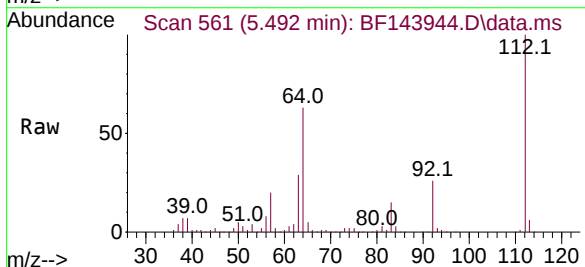
Instrument :
BNA_F
ClientSampleId :
HADLEY-ROAD-TP

Tgt Ion:152 Resp: 118288
Ion Ratio Lower Upper
152 100
150 159.9 124.4 186.6
115 63.6 48.1 72.1



#5
2-Fluorophenol
Concen: 33.543 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF143944.D
Acq: 13 Oct 2025 20:54

Tgt Ion:112 Resp: 249858
Ion Ratio Lower Upper
112 100
64 62.7 49.1 73.7
63 29.0 24.5 36.7

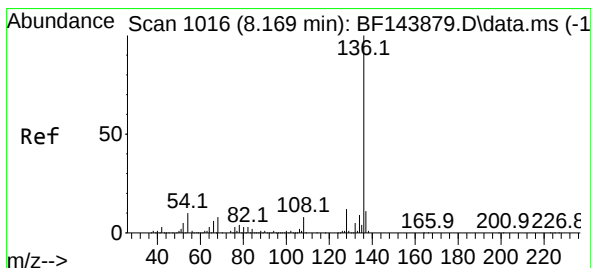
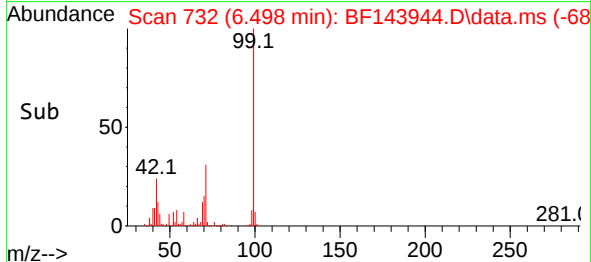
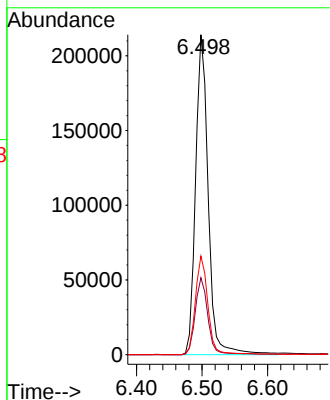
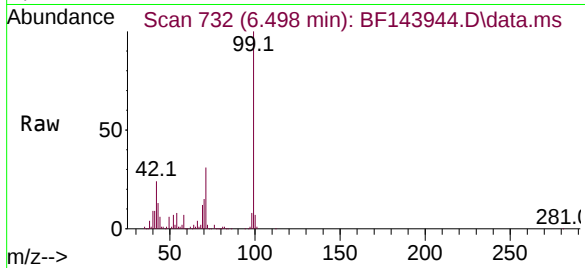




#7
Phenol-d6
Concen: 32.167 ng
RT: 6.498 min Scan# 731
Delta R.T. -0.018 min
Lab File: BF143944.D
Acq: 13 Oct 2025 20:54

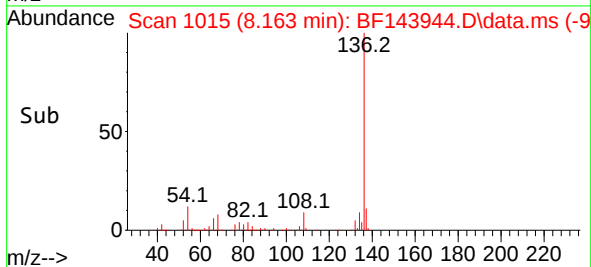
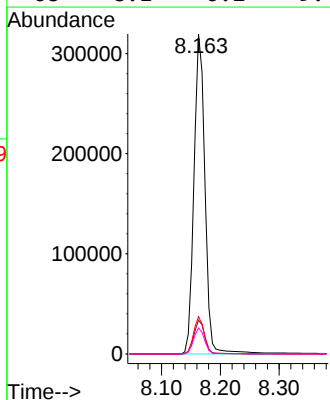
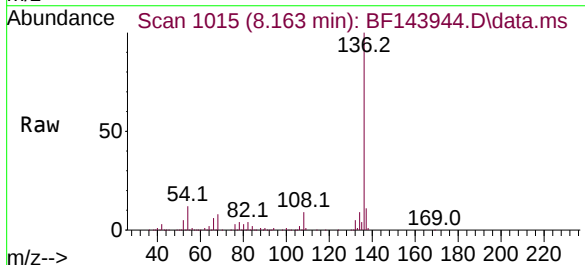
Instrument :
BNA_F
ClientSampleId :
HADLEY-ROAD-TP

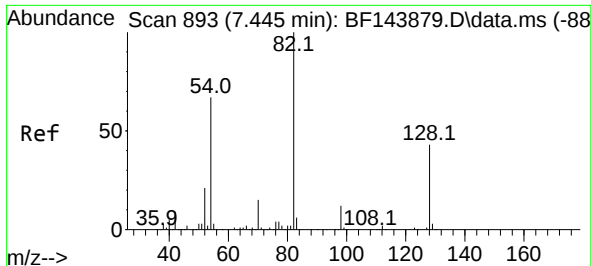
Tgt Ion: 99 Resp: 285605
Ion Ratio Lower Upper
99 100
42 24.0 21.0 31.4
71 30.8 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143944.D
Acq: 13 Oct 2025 20:54

Tgt Ion: 136 Resp: 415855
Ion Ratio Lower Upper
136 100
137 10.5 8.5 12.7
54 11.6 8.2 12.4
68 8.1 6.2 9.4





#23

Nitrobenzene-d5

Concen: 22.729 ng

RT: 7.439 min Scan# 893

Delta R.T. -0.018 min

Lab File: BF143944.D

Acq: 13 Oct 2025 20:54

Instrument :

BNA_F

ClientSampleId :

HADLEY-ROAD-TP

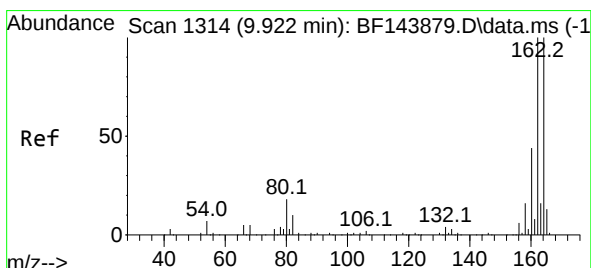
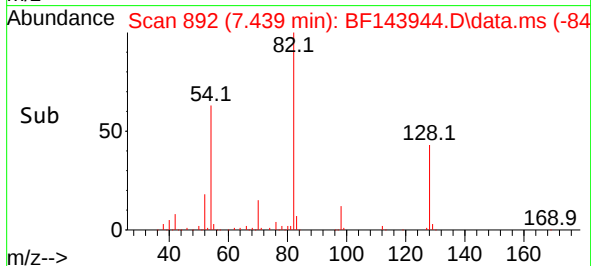
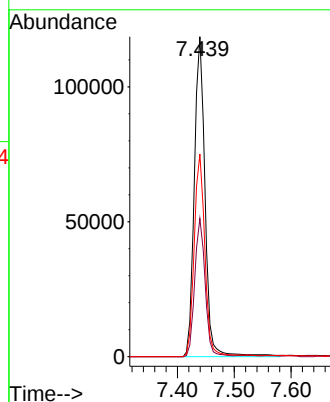
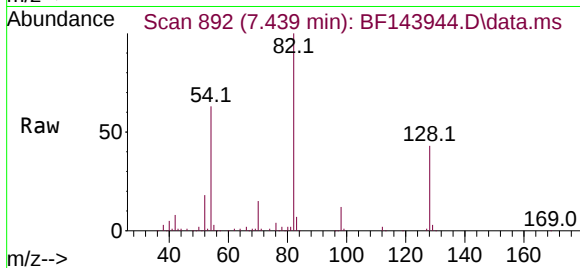
Tgt Ion: 82 Resp: 155579

Ion Ratio Lower Upper

82 100

128 43.2 34.0 51.0

54 63.3 53.2 79.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.005 min

Lab File: BF143944.D

Acq: 13 Oct 2025 20:54

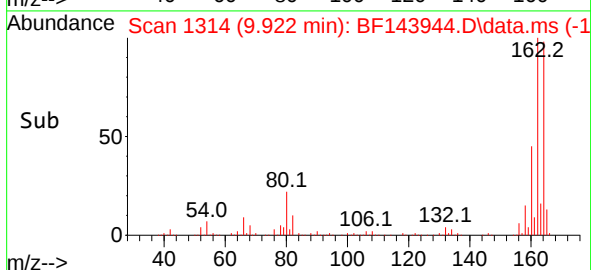
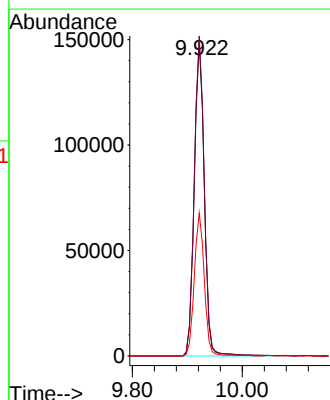
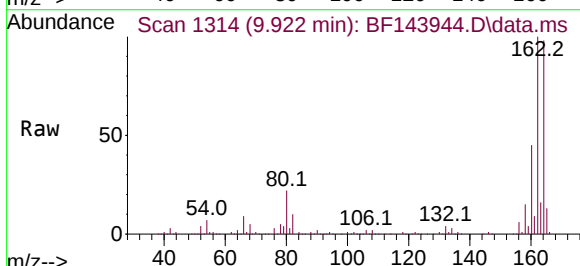
Tgt Ion: 164 Resp: 189375

Ion Ratio Lower Upper

164 100

162 102.0 80.2 120.2

160 45.5 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 26.265 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF143944.D

Acq: 13 Oct 2025 20:54

Instrument :

BNA_F

ClientSampleId :

HADLEY-ROAD-TP

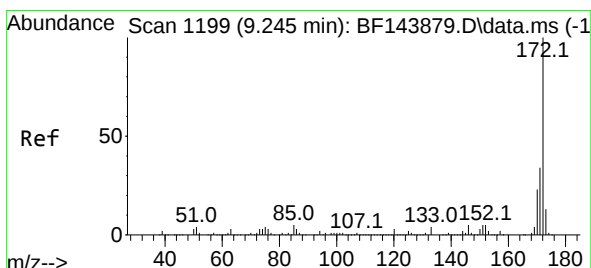
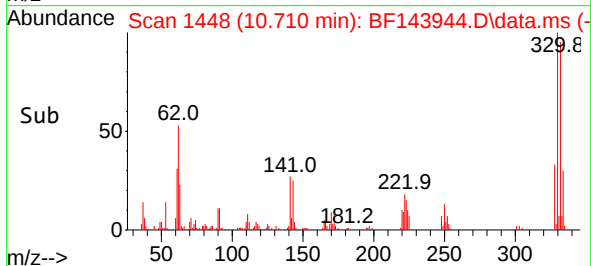
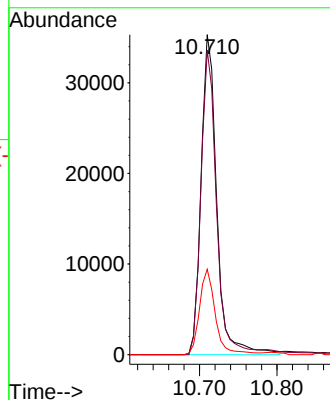
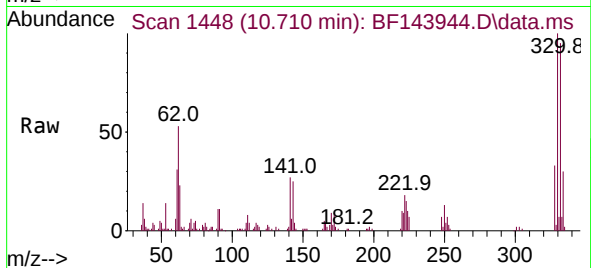
Tgt Ion:330 Resp: 49541

Ion Ratio Lower Upper

330 100

332 93.2 76.9 115.3

141 27.0 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 25.503 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF143944.D

Acq: 13 Oct 2025 20:54

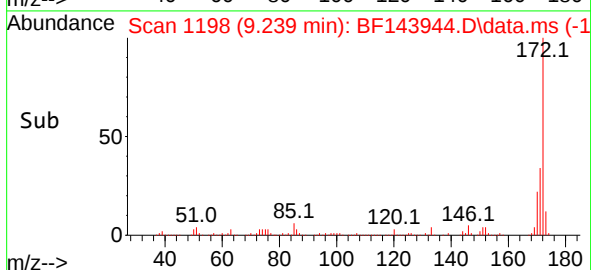
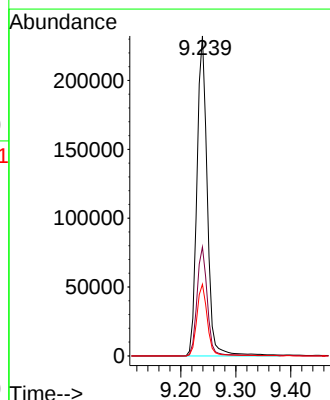
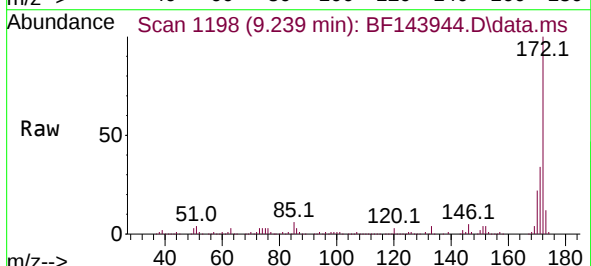
Tgt Ion:172 Resp: 304378

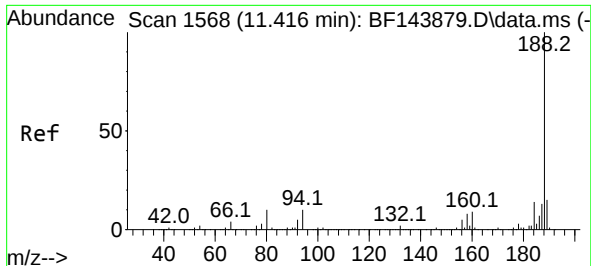
Ion Ratio Lower Upper

172 100

171 34.0 27.4 41.0

170 22.4 18.6 28.0

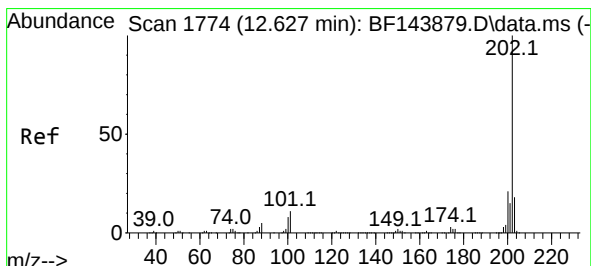
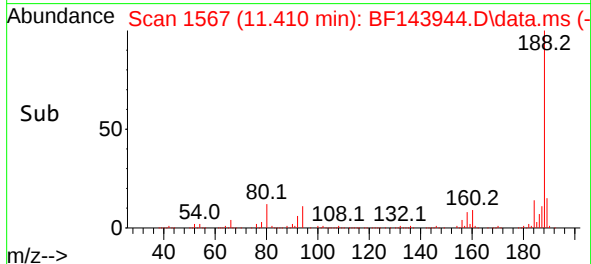
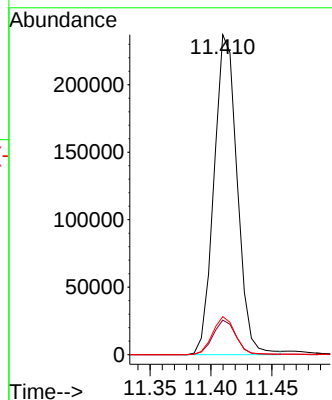
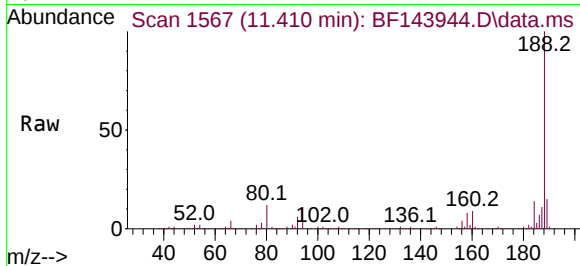




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143944.D
Acq: 13 Oct 2025 20:54

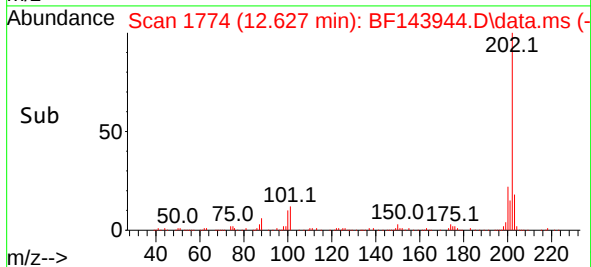
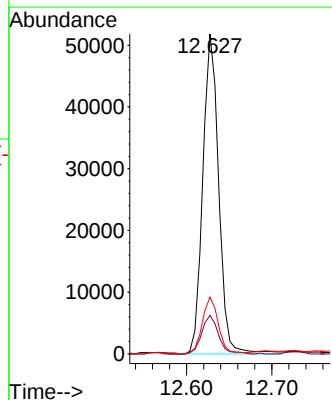
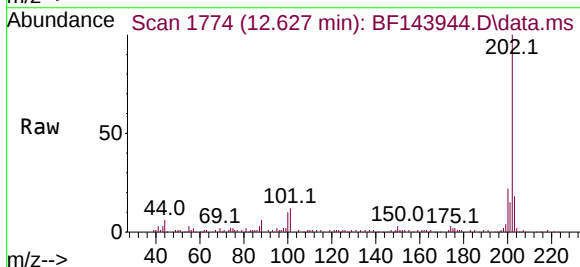
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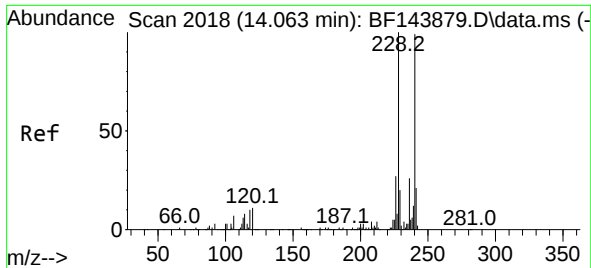
Tgt Ion:188 Resp: 313795
Ion Ratio Lower Upper
188 100
94 10.8 7.8 11.6
80 11.9 7.9 11.9#



#75
Fluoranthene
Concen: 4.281 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143944.D
Acq: 13 Oct 2025 20:54

Tgt Ion:202 Resp: 67271
Ion Ratio Lower Upper
202 100
101 12.0 0.0 30.7
203 17.7 0.0 37.8

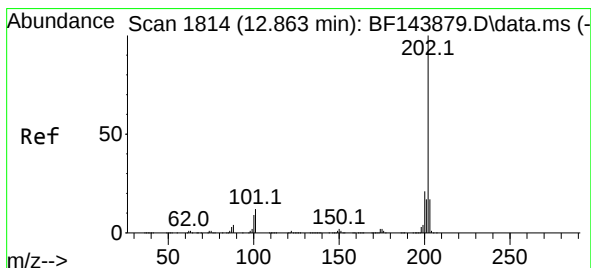
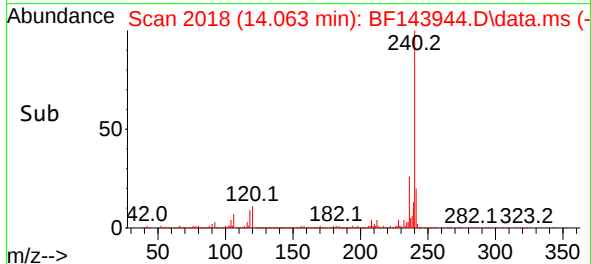
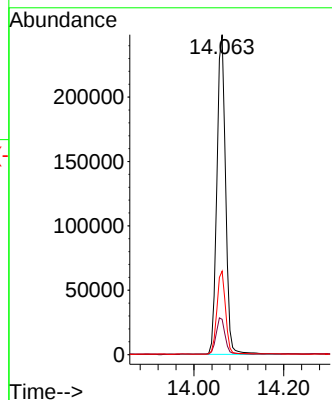
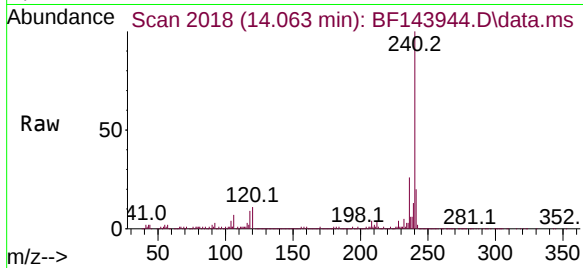




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.005 min
Lab File: BF143944.D
Acq: 13 Oct 2025 20:54

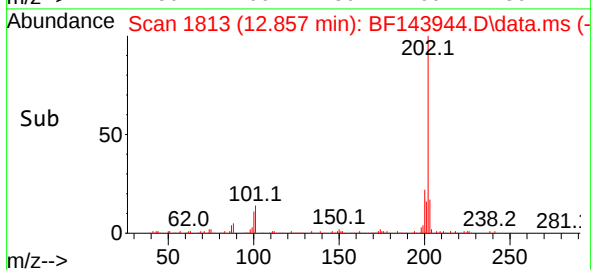
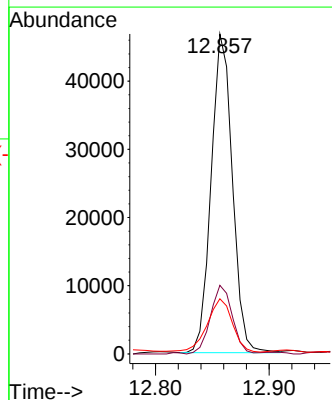
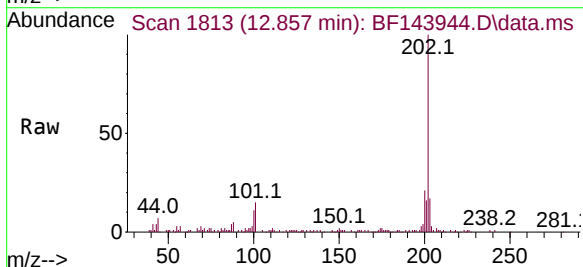
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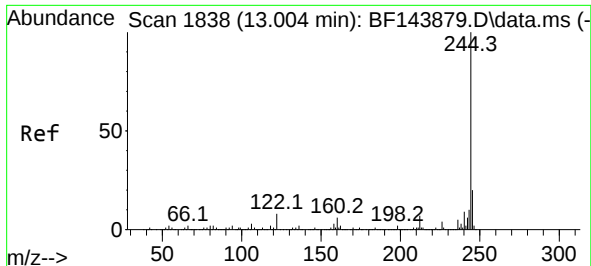
Tgt Ion:240 Resp: 334489
Ion Ratio Lower Upper
240 100
120 11.0 8.6 13.0
236 26.1 21.1 31.7



#78
Pyrene
Concen: 2.178 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF143944.D
Acq: 13 Oct 2025 20:54

Tgt Ion:202 Resp: 60736
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.6
203 17.2 13.8 20.6

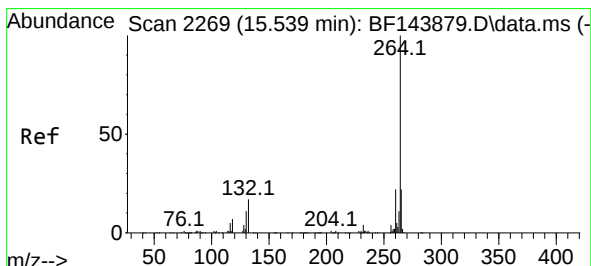
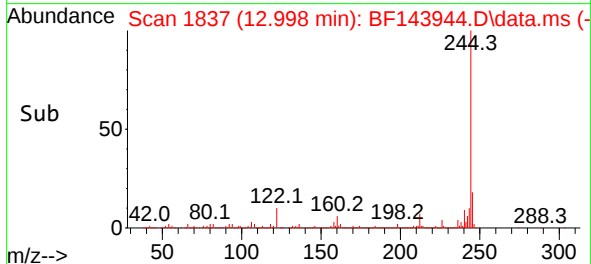
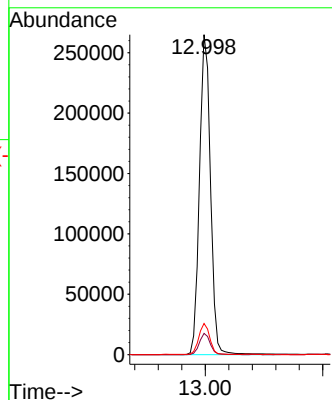
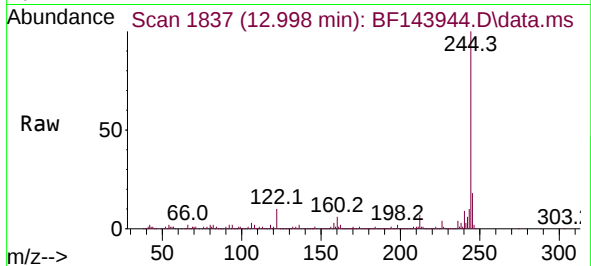




#79
Terphenyl-d14
Concen: 17.547 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF143944.D
Acq: 13 Oct 2025 20:54

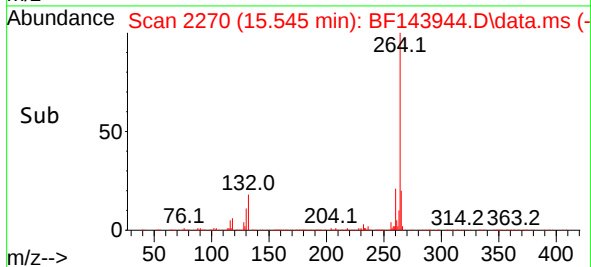
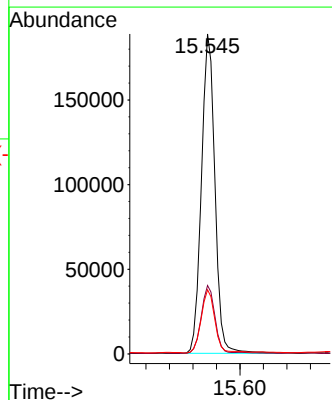
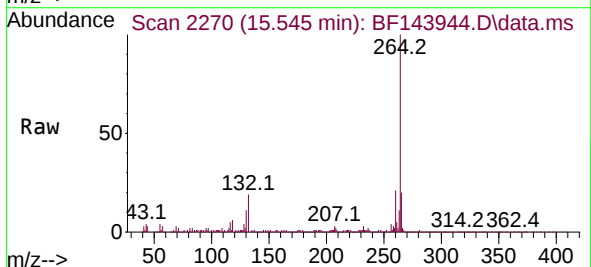
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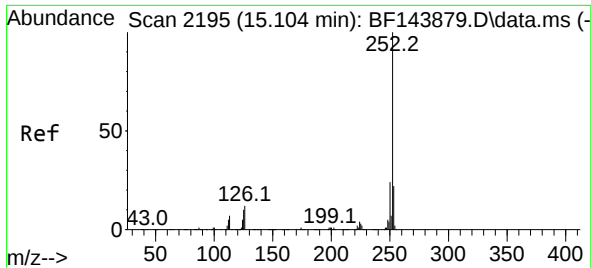
Tgt Ion:244 Resp: 343419
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 9.7 6.4 9.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143944.D
Acq: 13 Oct 2025 20:54

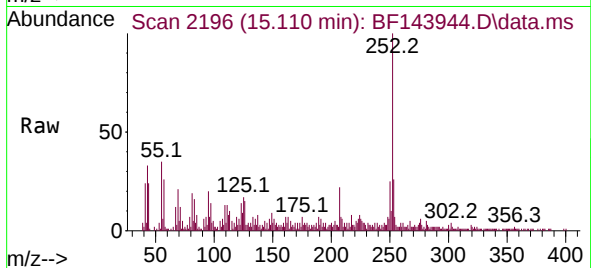
Tgt Ion:264 Resp: 301190
Ion Ratio Lower Upper
264 100
260 21.4 17.8 26.8
265 20.0 17.5 26.3





#88
Benzo(b)fluoranthene
Concen: 2.373 ng m
RT: 15.110 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143944.D
Acq: 13 Oct 2025 20:54

Instrument :
BNA_F
ClientSampleId :
HADLEY-ROAD-TP



Tgt Ion:252 Resp: 41054
Ion Ratio Lower Upper
252 100
253 25.5 17.4 26.2
125 17.3 7.8 11.6#

