

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
 Data File : BF143939.D
 Acq On : 13 Oct 2025 18:30
 Operator : RC/JU
 Sample : Q3323-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SED-03-0-2

Quant Time: Oct 14 01:29:36 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)

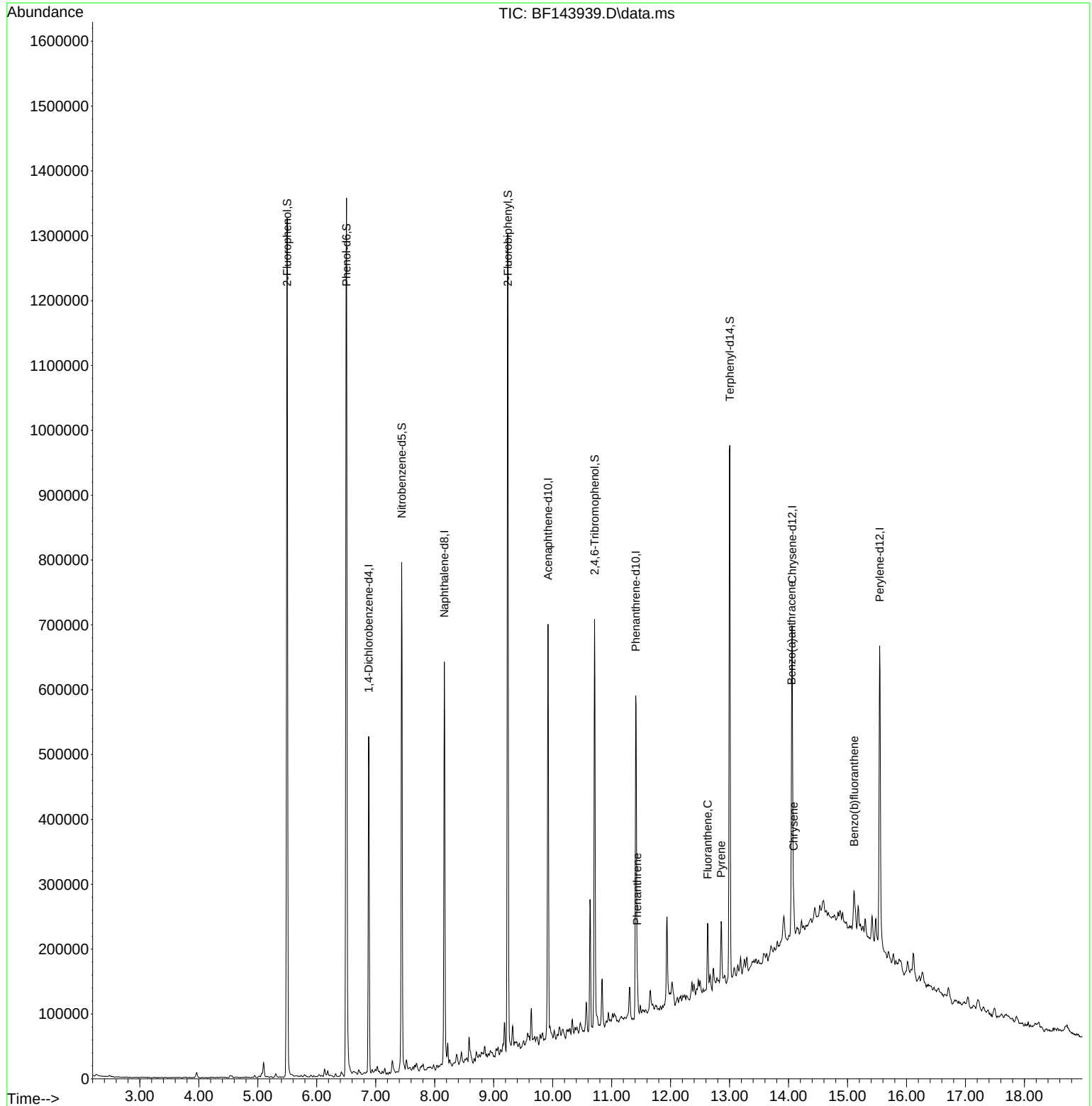
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	105702	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	380784	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	194972	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	272542	20.000	ng	# 0.00
76) Chrysene-d12	14.062	240	233050	20.000	ng	0.00
86) Perylene-d12	15.545	264	302615	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	509275	76.510	ng	0.00
7) Phenol-d6	6.504	99	603049	76.007	ng	-0.01
23) Nitrobenzene-d5	7.439	82	326774	52.137	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	115036	59.237	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	591539	48.141	ng	-0.01
79) Terphenyl-d14	13.004	244	453597	33.265	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.433	178	27657	2.093	ng	94
75) Fluoranthene	12.627	202	58843	4.311	ng	97
78) Pyrene	12.857	202	56954m	2.931	ng	
81) Benzo(a)anthracene	14.051	228	33292	2.183	ng	# 82
83) Chrysene	14.086	228	31735	2.248	ng	# 96
88) Benzo(b)fluoranthene	15.109	252	35222m	2.026	ng	

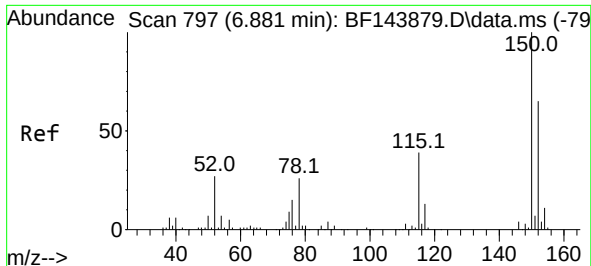
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
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Sample : Q3323-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

Quant Time: Oct 14 01:29:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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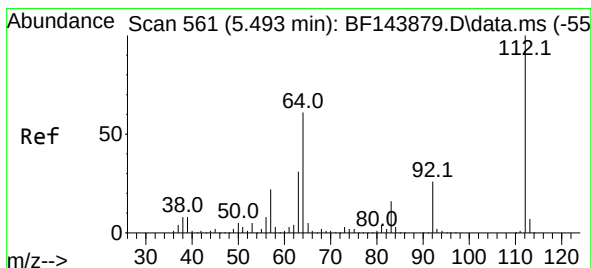
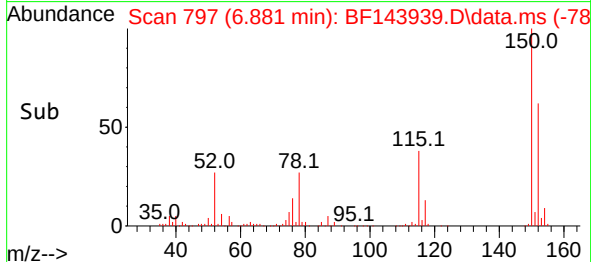
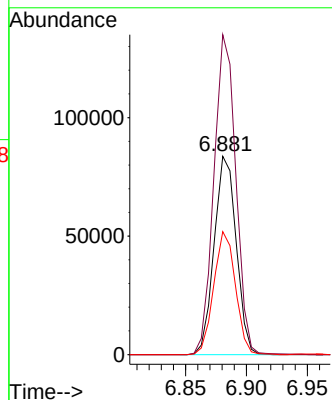
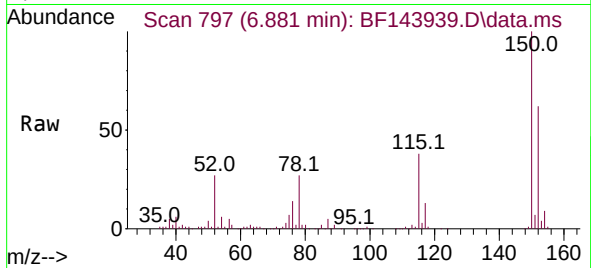




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

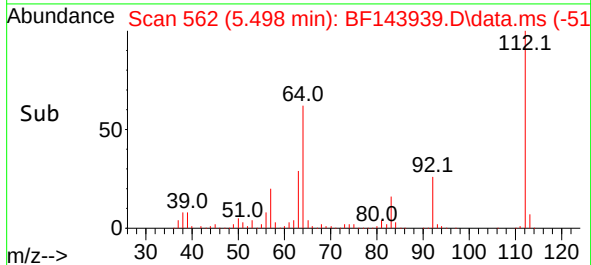
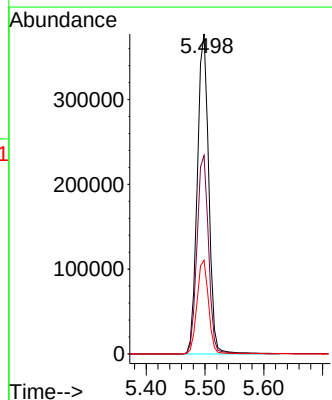
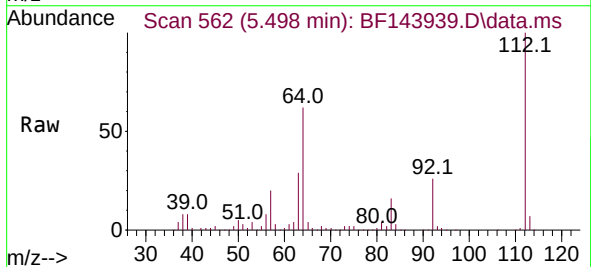
Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

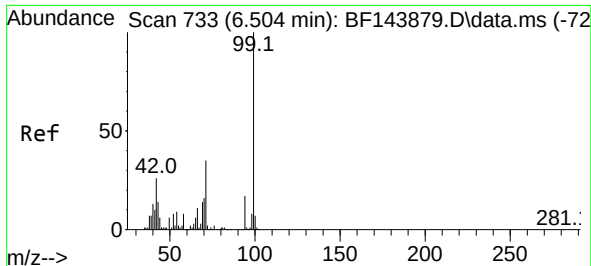
Tgt Ion:152 Resp: 105702
Ion Ratio Lower Upper
152 100
150 161.3 124.4 186.6
115 62.0 48.1 72.1



#5
2-Fluorophenol
Concen: 76.510 ng
RT: 5.498 min Scan# 562
Delta R.T. -0.000 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Tgt Ion:112 Resp: 509275
Ion Ratio Lower Upper
112 100
64 62.0 49.1 73.7
63 29.2 24.5 36.7

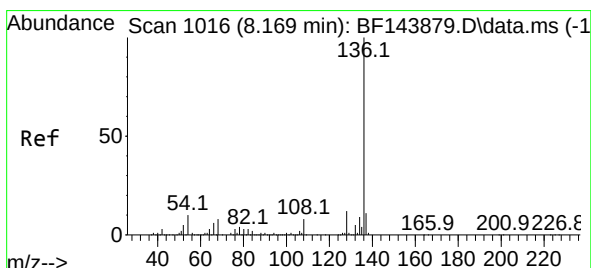
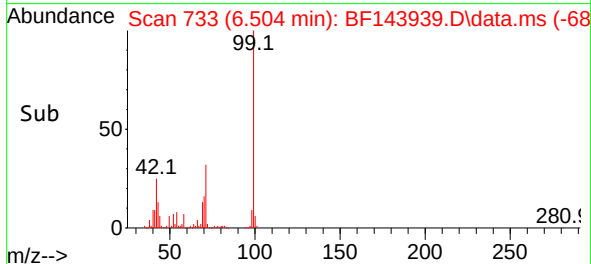
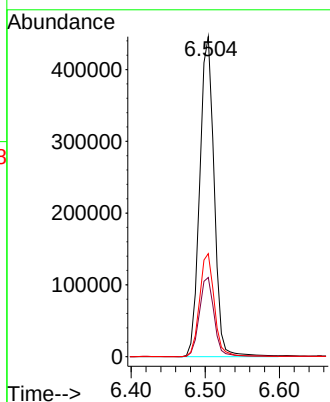
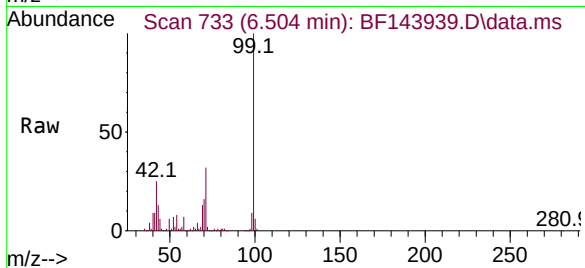




#7
Phenol-d6
Concen: 76.007 ng
RT: 6.504 min Scan# 733
Delta R.T. -0.012 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

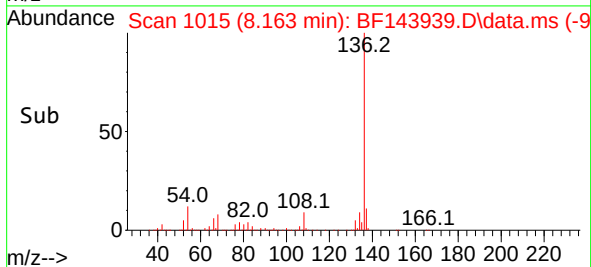
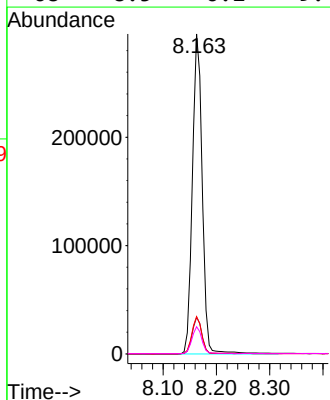
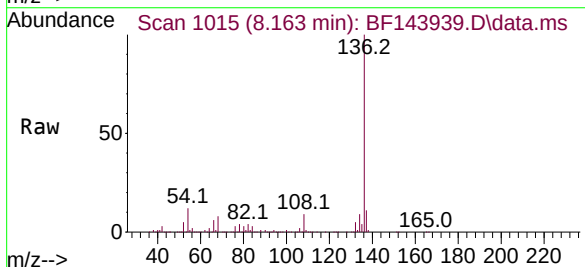
Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

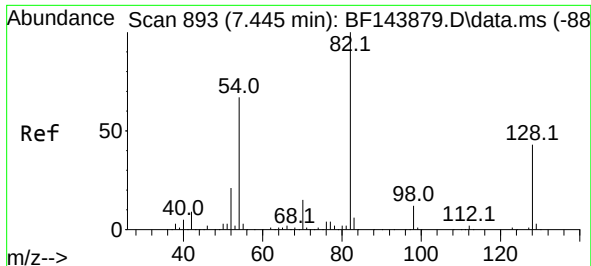
Tgt Ion: 99	Resp: 603049
Ion Ratio	Lower Upper
99 100	
42 24.7	21.0 31.4
71 32.2	27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Tgt	Ion:136	Resp:	380784
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.5	12.7
54	11.7	8.2	12.4
68	8.5	6.2	9.4





#23

Nitrobenzene-d5

Concen: 52.137 ng

RT: 7.439 min Scan# 893

Delta R.T. -0.018 min

Lab File: BF143939.D

Acq: 13 Oct 2025 18:30

Instrument :

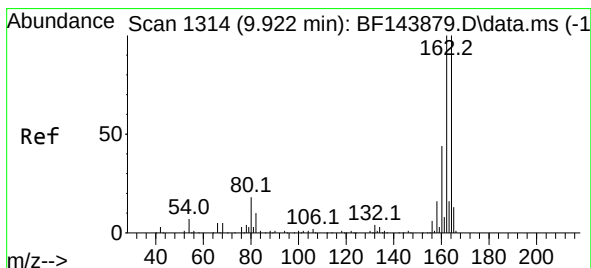
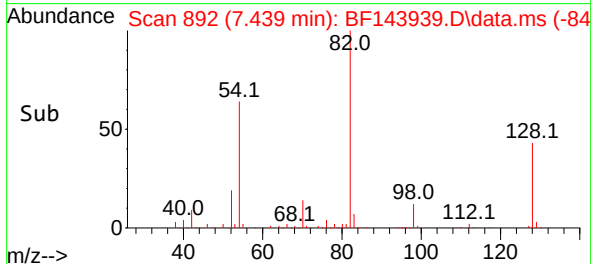
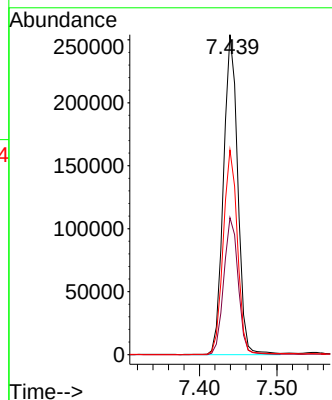
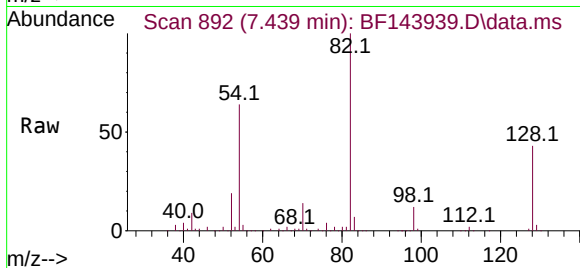
BNA_F

ClientSampleId :

SED-03-0-2

Tgt Ion: 82 Resp: 326774

Ion	Ratio	Lower	Upper
82	100		
128	42.8	34.0	51.0
54	64.0	53.2	79.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

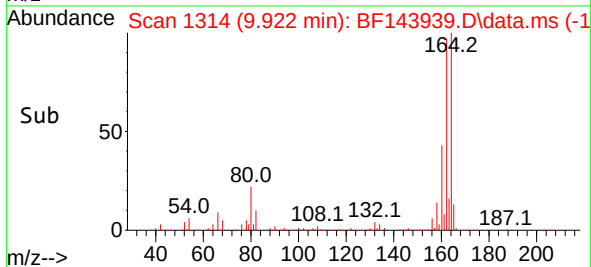
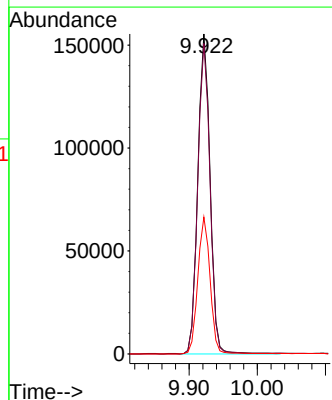
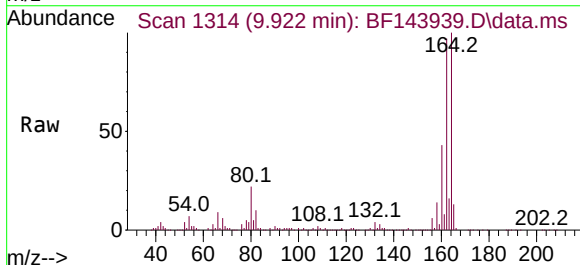
Delta R.T. -0.005 min

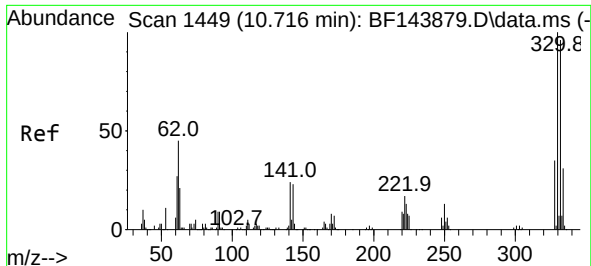
Lab File: BF143939.D

Acq: 13 Oct 2025 18:30

Tgt Ion: 164 Resp: 194972

Ion	Ratio	Lower	Upper
164	100		
162	97.0	80.2	120.2
160	42.7	35.4	53.0





#42

2,4,6-Tribromophenol

Concen: 59.237 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.012 min

Lab File: BF143939.D

Acq: 13 Oct 2025 18:30

Instrument :

BNA_F

ClientSampleId :

SED-03-0-2

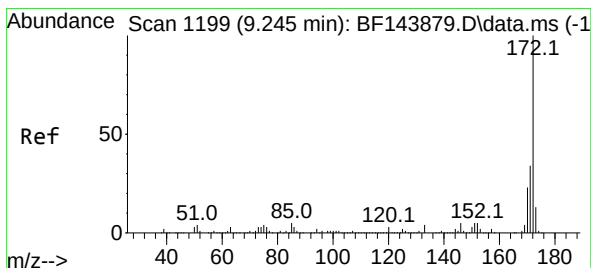
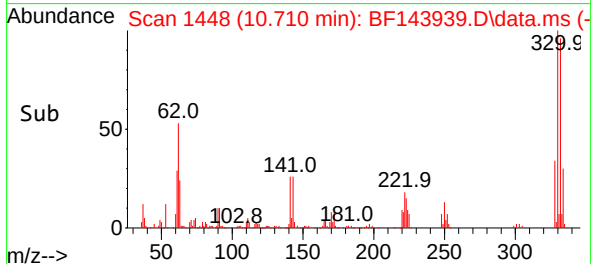
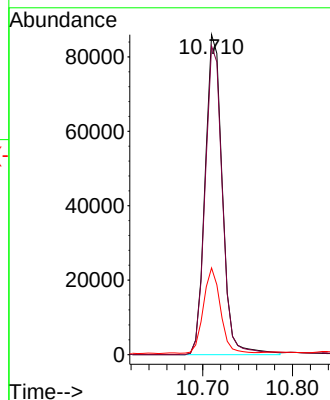
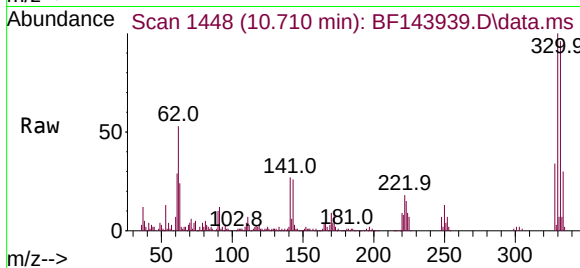
Tgt Ion:330 Resp: 115036

Ion Ratio Lower Upper

330 100

332 97.7 76.9 115.3

141 26.2 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 48.141 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF143939.D

Acq: 13 Oct 2025 18:30

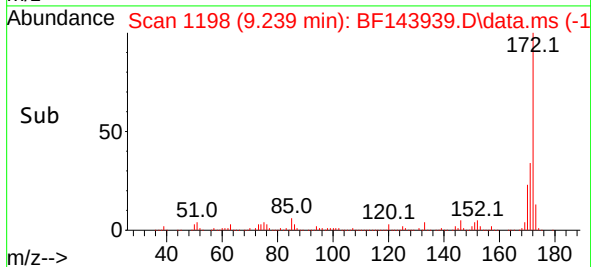
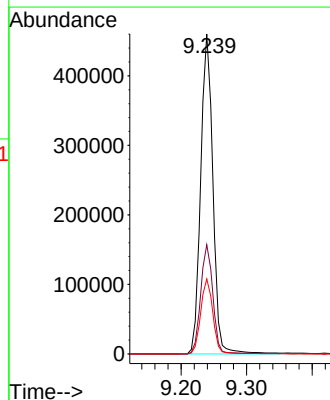
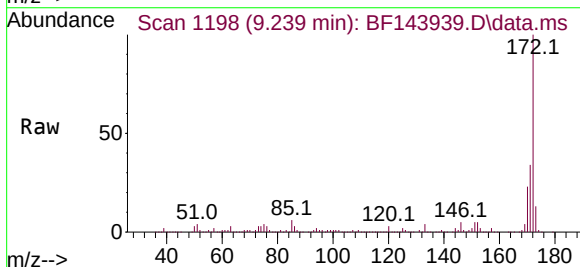
Tgt Ion:172 Resp: 591539

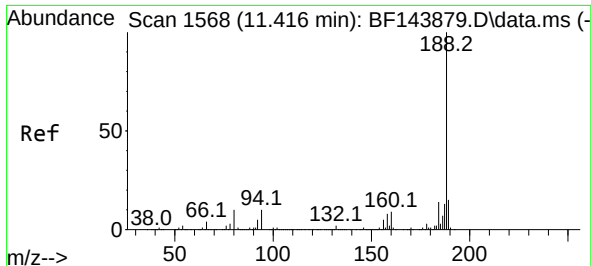
Ion Ratio Lower Upper

172 100

171 34.1 27.4 41.0

170 23.4 18.6 28.0

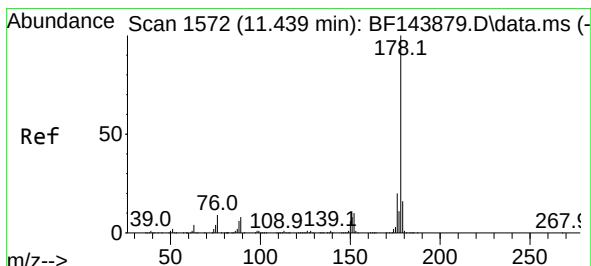
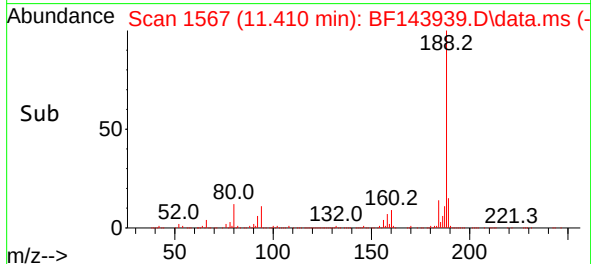
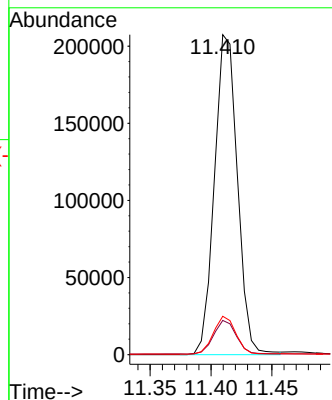
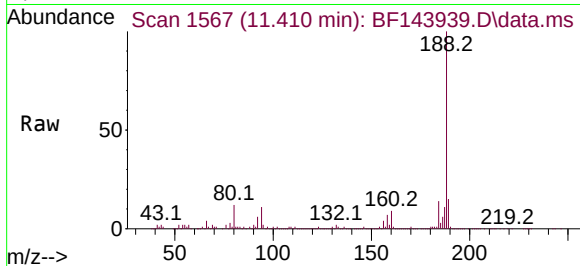




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

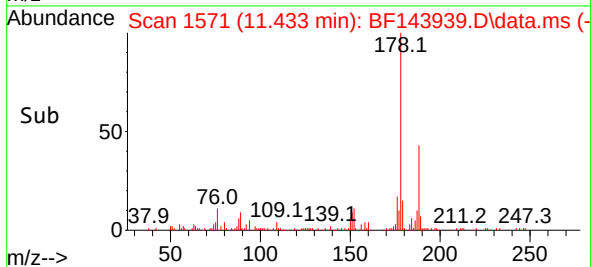
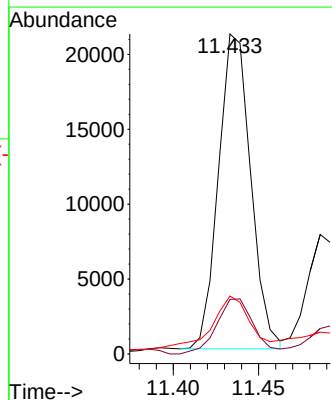
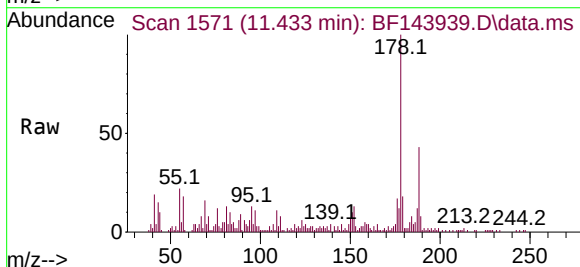
Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

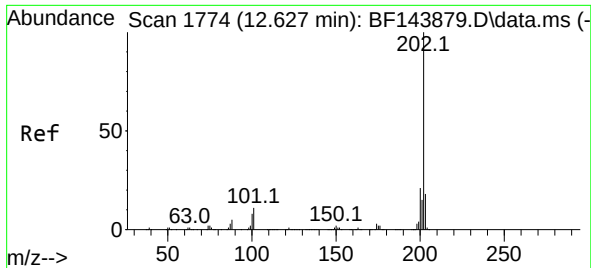
Tgt Ion:188 Resp: 272542
Ion Ratio Lower Upper
188 100
94 10.7 7.8 11.6
80 12.0 7.9 11.9#



#71
Phenanthrene
Concen: 2.093 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Tgt Ion:178 Resp: 27657
Ion Ratio Lower Upper
178 100
176 17.0 15.9 23.9
179 18.1 12.4 18.6

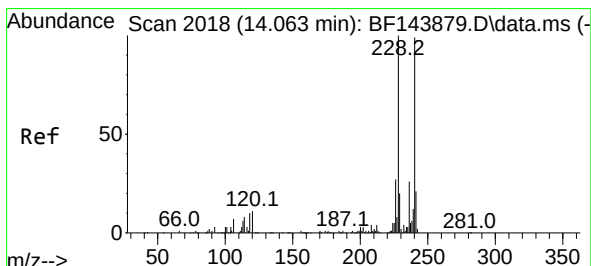
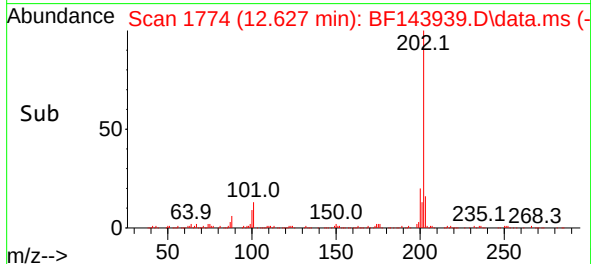
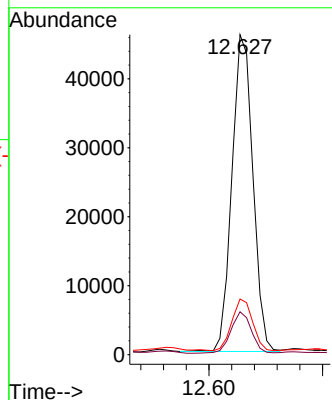
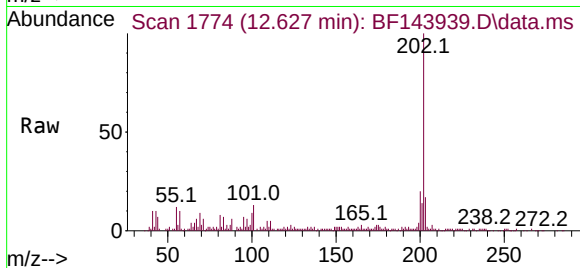




#75
Fluoranthene
Concen: 4.311 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

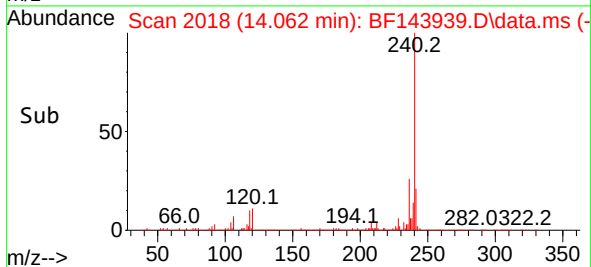
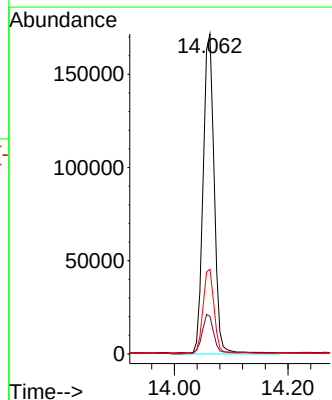
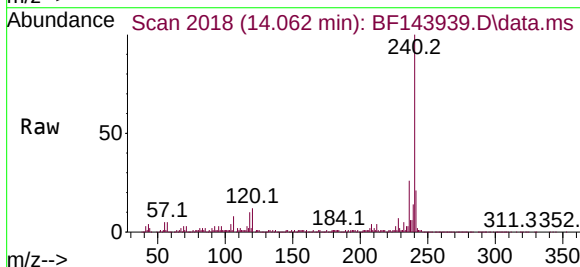
Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

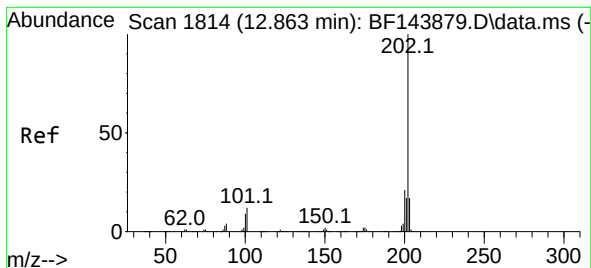
Tgt Ion:202 Resp: 58843
Ion Ratio Lower Upper
202 100
101 13.4 0.0 30.7
203 17.4 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Tgt Ion:240 Resp: 233050
Ion Ratio Lower Upper
240 100
120 11.7 8.6 13.0
236 26.4 21.1 31.7





#78

Pyrene

Concen: 2.931 ng m

RT: 12.857 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF143939.D

Acq: 13 Oct 2025 18:30

Instrument :

BNA_F

ClientSampleId :

SED-03-0-2

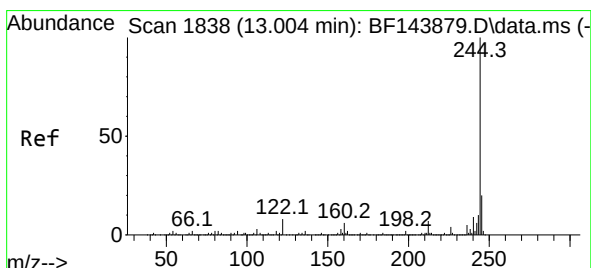
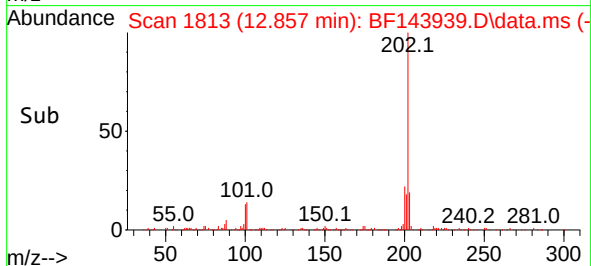
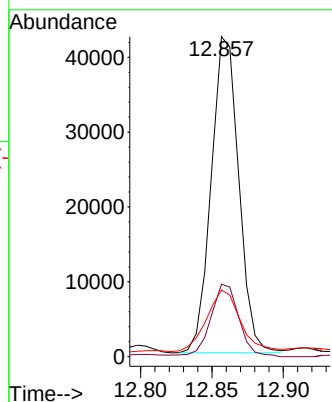
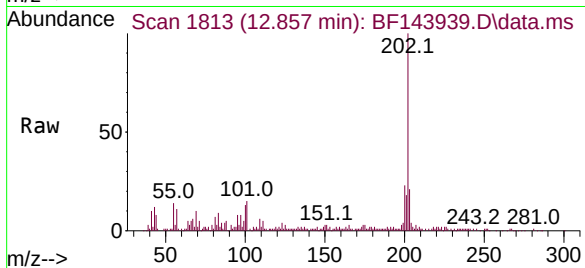
Tgt Ion:202 Resp: 56954

Ion Ratio Lower Upper

202 100

200 22.6 17.0 25.6

203 20.8 13.8 20.6#



#79

Terphenyl-d14

Concen: 33.265 ng

RT: 13.004 min Scan# 1838

Delta R.T. -0.006 min

Lab File: BF143939.D

Acq: 13 Oct 2025 18:30

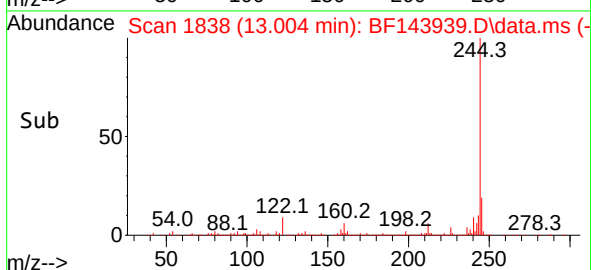
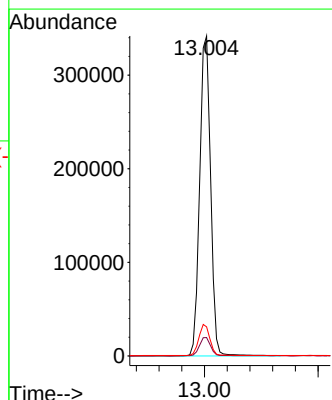
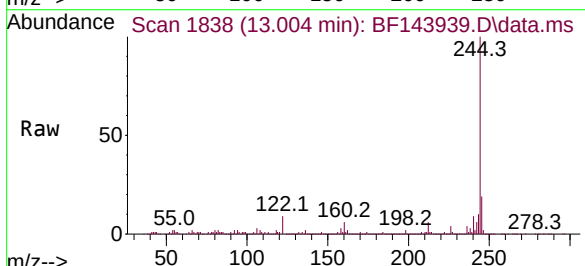
Tgt Ion:244 Resp: 453597

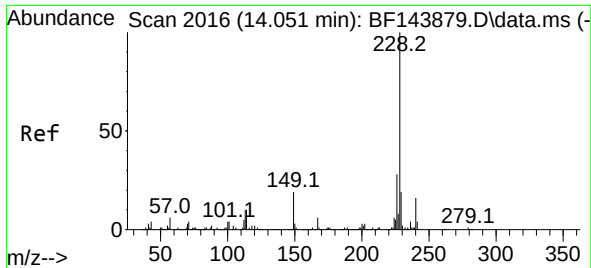
Ion Ratio Lower Upper

244 100

212 5.7 5.4 8.0

122 9.1 6.4 9.6

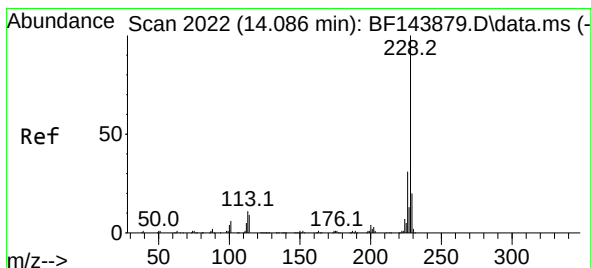
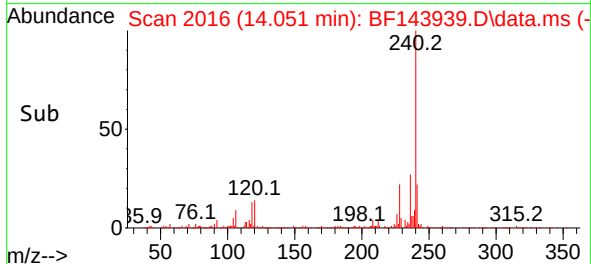
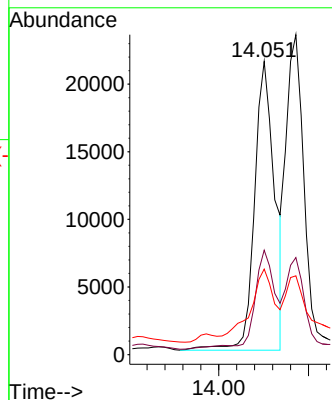
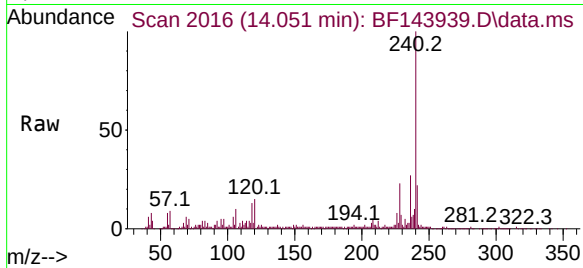




#81
Benzo(a)anthracene
Concen: 2.183 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

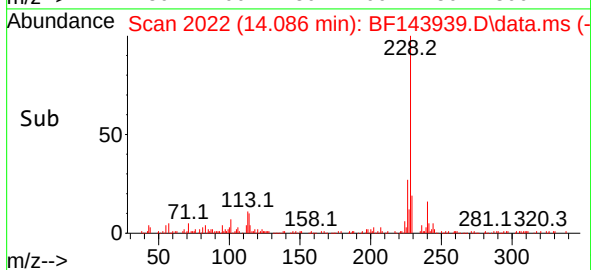
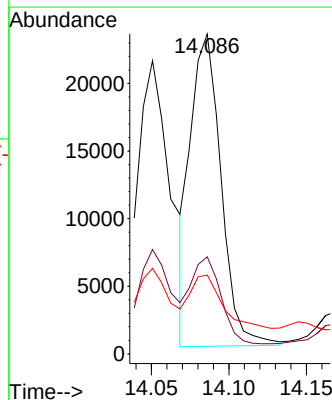
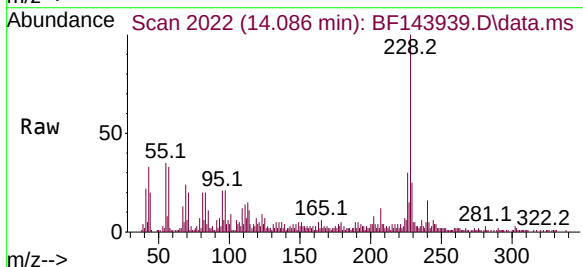
Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

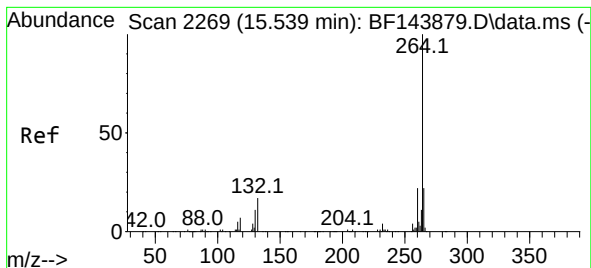
Tgt Ion:228 Resp: 33292
Ion Ratio Lower Upper
228 100
226 35.6 22.2 33.2#
229 29.2 15.6 23.4#



#83
Chrysene
Concen: 2.248 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Tgt Ion:228 Resp: 31735
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 24.6 15.9 23.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143939.D

Acq: 13 Oct 2025 18:30

Instrument :

BNA_F

ClientSampleId :

SED-03-0-2

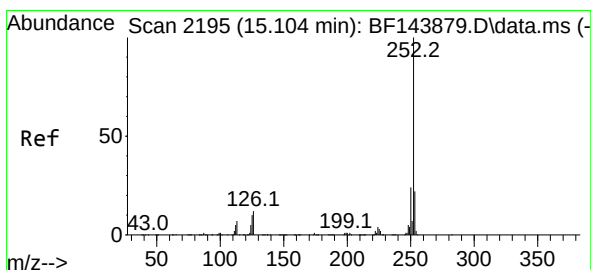
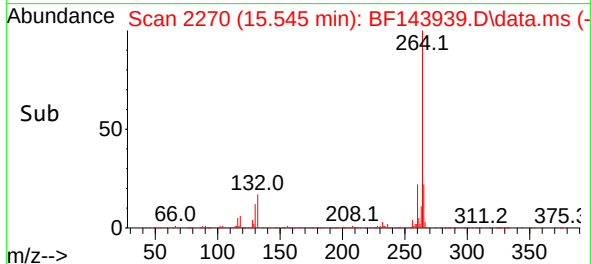
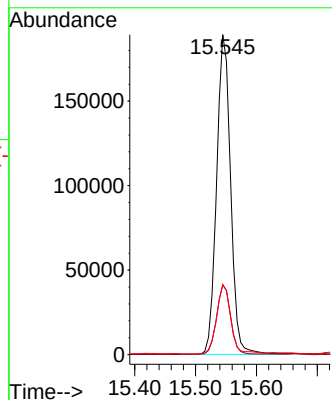
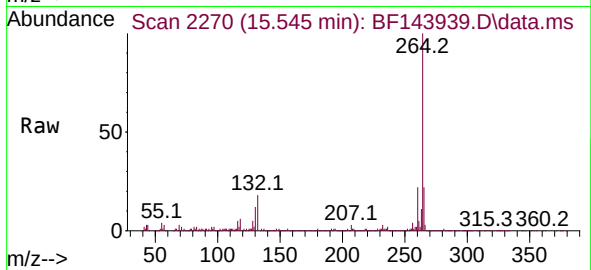
Tgt Ion:264 Resp: 302615

Ion Ratio Lower Upper

264 100

260 21.8 17.8 26.8

265 21.9 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 2.026 ng m

RT: 15.109 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF143939.D

Acq: 13 Oct 2025 18:30

Tgt Ion:252 Resp: 35222

Ion Ratio Lower Upper

252 100

253 25.5 17.4 26.2

125 18.6 7.8 11.6#

