

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
 Data File : BF143941.D
 Acq On : 13 Oct 2025 19:27
 Operator : RC/JU
 Sample : Q3323-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SED-06-0-2

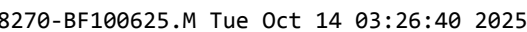
Quant Time: Oct 14 01:30:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

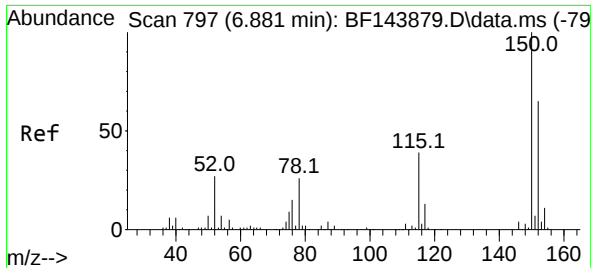
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	111779	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	409481	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	209857	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	300092	20.000	ng	0.00
76) Chrysene-d12	14.063	240	253022	20.000	ng	0.00
86) Perylene-d12	15.545	264	326397	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	483631	68.707	ng	0.00
7) Phenol-d6	6.498	99	559463	66.680	ng	-0.02
23) Nitrobenzene-d5	7.440	82	318892	47.314	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	109595	52.432	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	551868	41.727	ng	-0.01
79) Terphenyl-d14	12.998	244	390618	26.385	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.433	178	156784	10.777	ng	100
72) Anthracene	11.486	178	45493	3.095	ng	97
75) Fluoranthene	12.627	202	188333	12.532	ng	97
78) Pyrene	12.857	202	169876	8.053	ng	97
81) Benzo(a)anthracene	14.051	228	102126	6.168	ng	94
83) Chrysene	14.086	228	85722	5.594	ng	98
88) Benzo(b)fluoranthene	15.110	252	118026m	6.295	ng	
89) Benzo(k)fluoranthene	15.127	252	34926m	2.013	ng	
90) Benzo(a)pyrene	15.480	252	85983	5.289	ng	# 95
92) Benzo(g,h,i)perylene	17.486	276	36138	2.247	ng	93

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

Quant Time: Oct 14 01:30:31 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

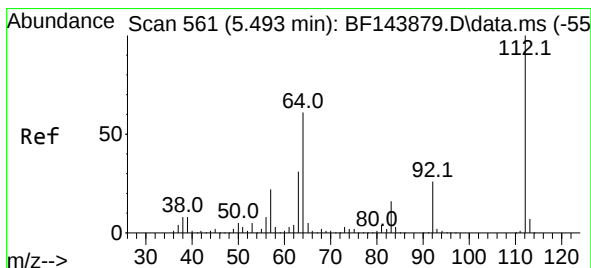
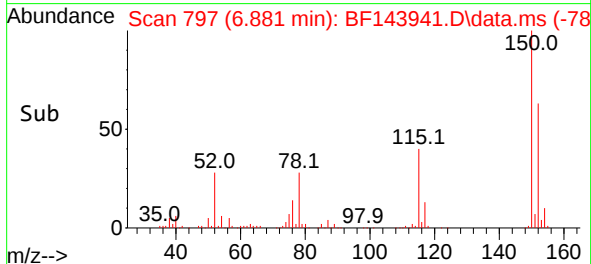
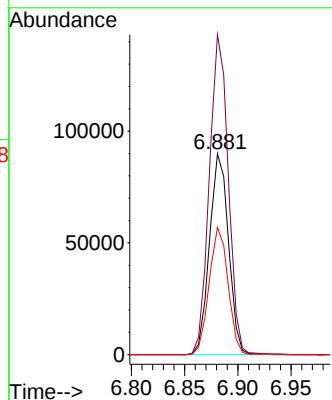
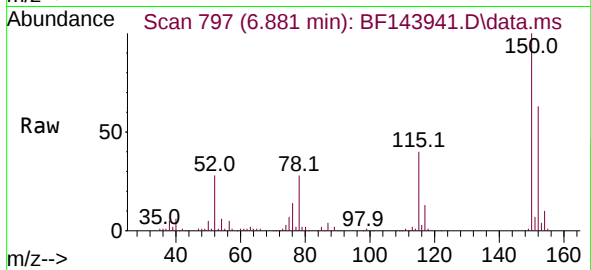




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

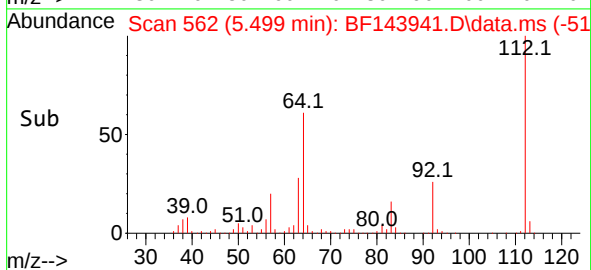
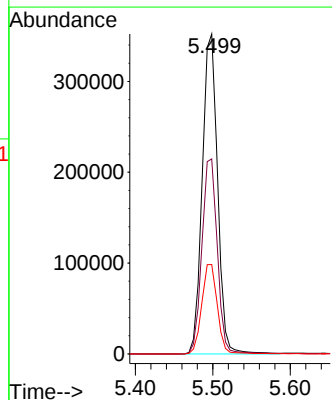
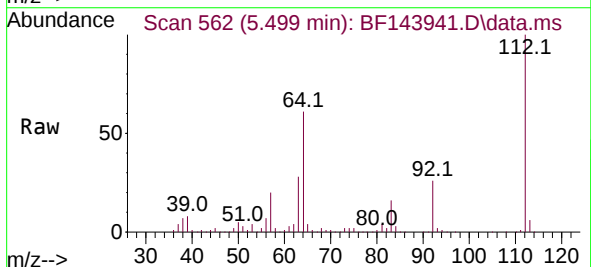
Instrument :
BNA_F
ClientSampleId :
SED-06-0-2

Tgt Ion:152 Resp: 111779
Ion Ratio Lower Upper
152 100
150 159.2 124.4 186.6
115 63.3 48.1 72.1



#5
2-Fluorophenol
Concen: 68.707 ng
RT: 5.499 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Tgt Ion:112 Resp: 483631
Ion Ratio Lower Upper
112 100
64 60.9 49.1 73.7
63 27.9 24.5 36.7

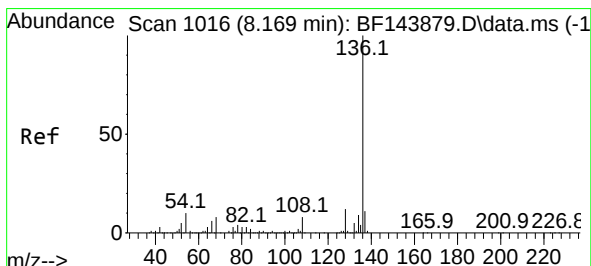
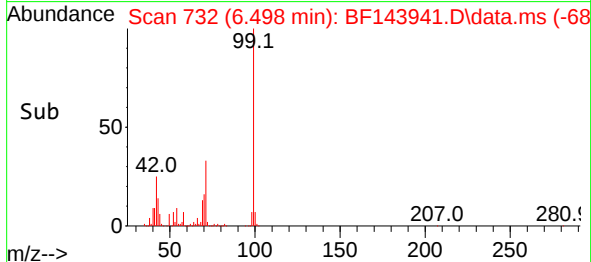
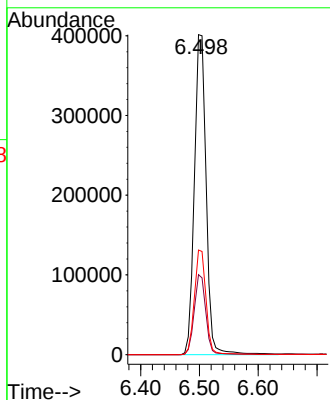
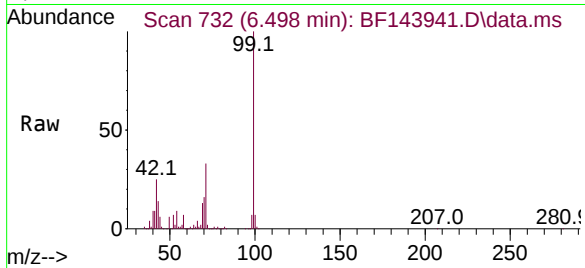




#7
Phenol-d6
Concen: 66.680 ng
RT: 6.498 min Scan# 731
Delta R.T. -0.017 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

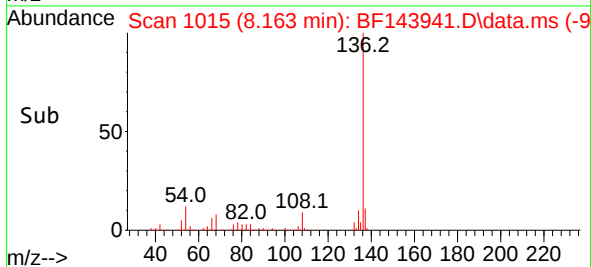
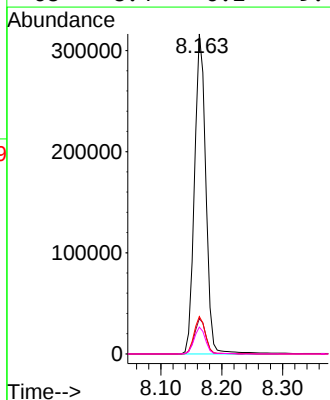
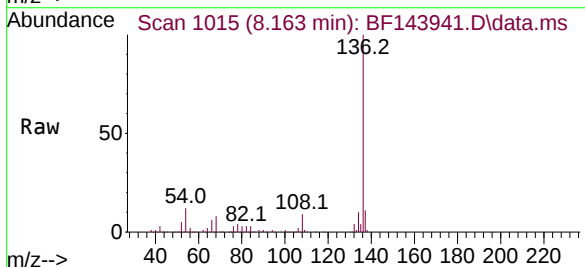
Instrument :
BNA_F
ClientSampleId :
SED-06-0-2

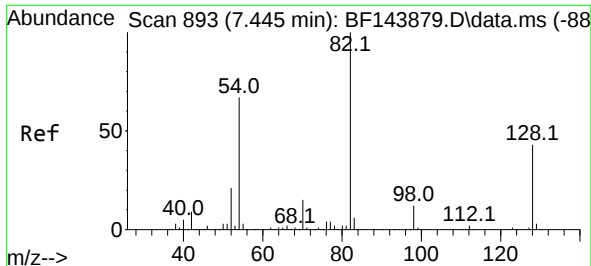
Tgt Ion: 99 Resp: 559463
Ion Ratio Lower Upper
99 100
42 25.0 21.0 31.4
71 32.7 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Tgt Ion: 136 Resp: 409481
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 11.7 8.2 12.4
68 8.4 6.2 9.4





#23

Nitrobenzene-d5

Concen: 47.314 ng

RT: 7.440 min Scan# 893

Delta R.T. -0.017 min

Lab File: BF143941.D

Acq: 13 Oct 2025 19:27

Instrument :

BNA_F

ClientSampleId :

SED-06-0-2

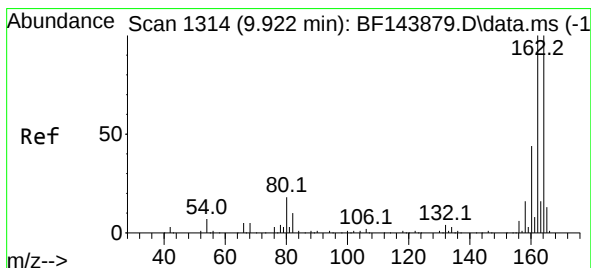
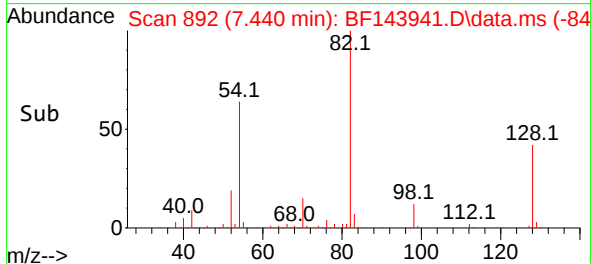
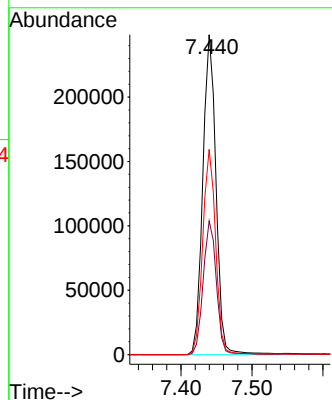
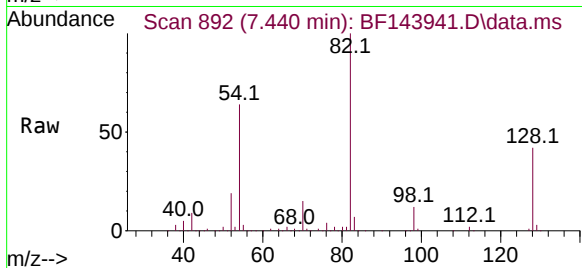
Tgt Ion: 82 Resp: 318892

Ion Ratio Lower Upper

82 100

128 41.8 34.0 51.0

54 64.1 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: BF143941.D

Acq: 13 Oct 2025 19:27

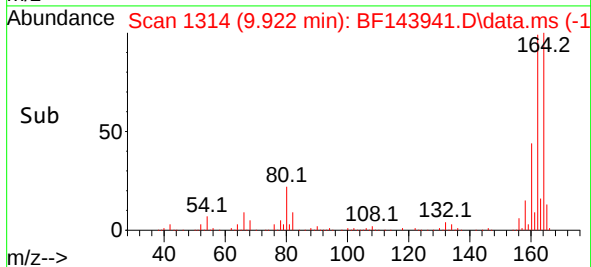
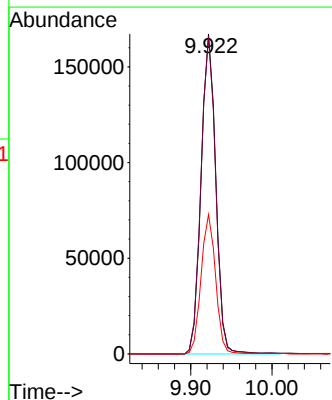
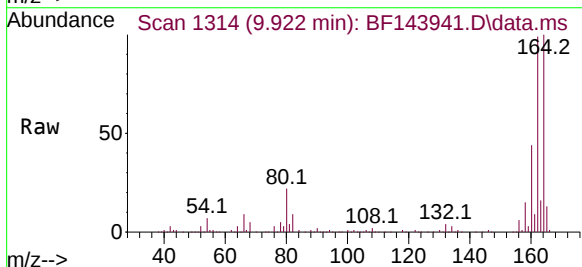
Tgt Ion:164 Resp: 209857

Ion Ratio Lower Upper

164 100

162 99.2 80.2 120.2

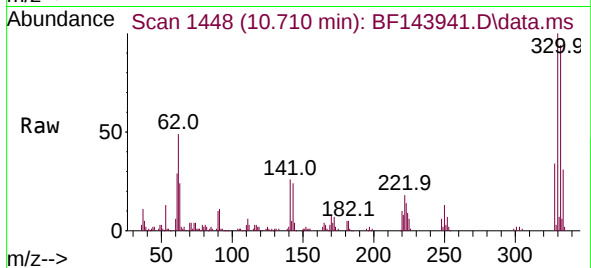
160 43.5 35.4 53.0



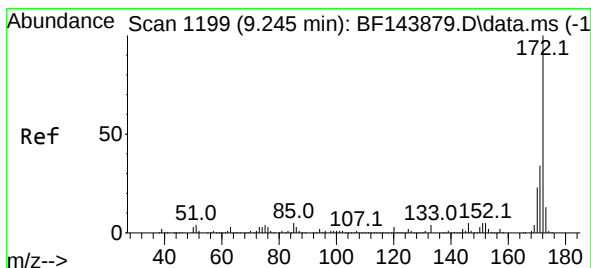
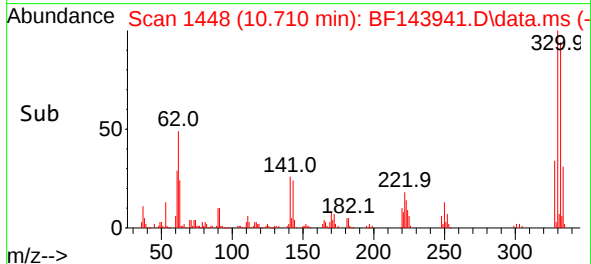
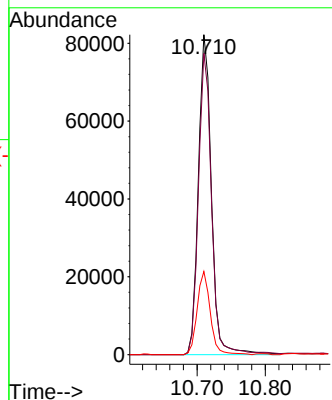


#42
2,4,6-Tribromophenol
Concen: 52.432 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.012 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Instrument :
BNA_F
ClientSampleId :
SED-06-0-2

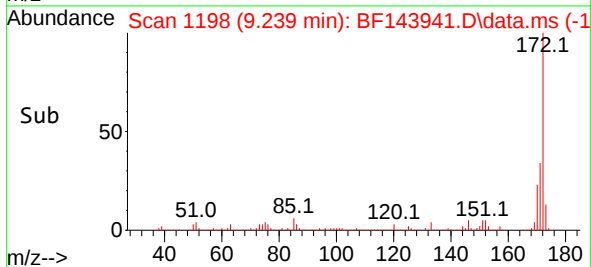
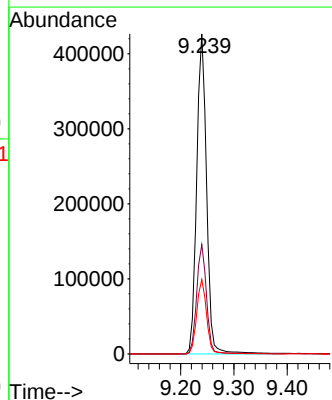
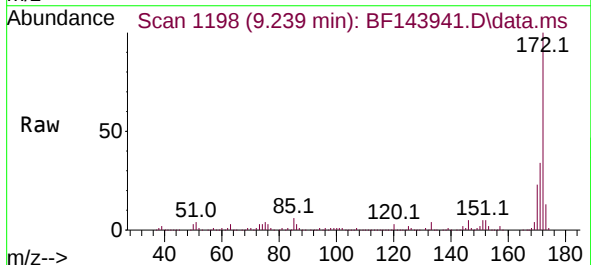


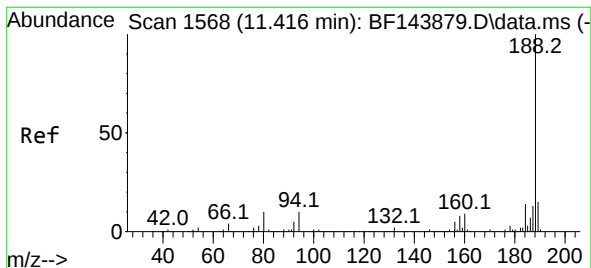
Tgt Ion:330 Resp: 109595
Ion Ratio Lower Upper
330 100
332 93.7 76.9 115.3
141 26.0 20.2 30.4



#45
2-Fluorobiphenyl
Concen: 41.727 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Tgt Ion:172 Resp: 551868
Ion Ratio Lower Upper
172 100
171 34.2 27.4 41.0
170 23.2 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: BF143941.D

Acq: 13 Oct 2025 19:27

Instrument :

BNA_F

ClientSampleId :

SED-06-0-2

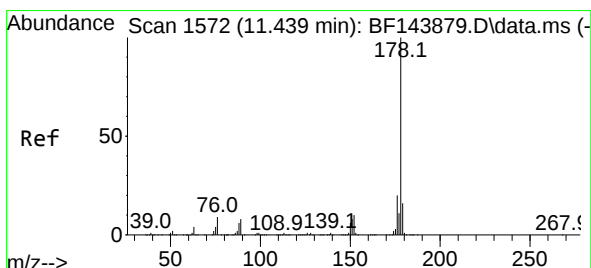
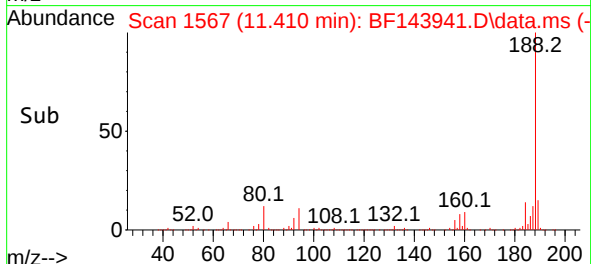
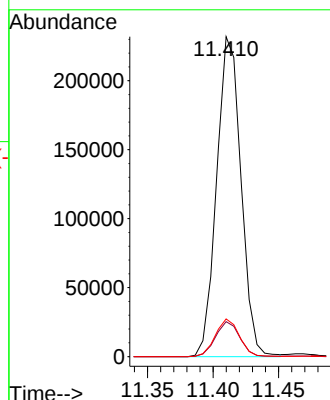
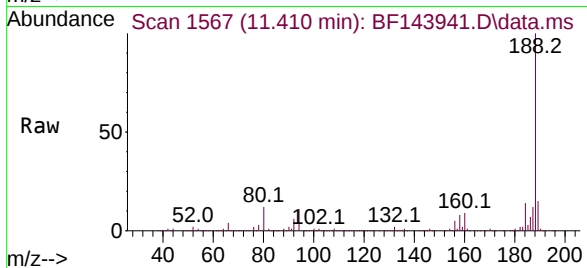
Tgt Ion:188 Resp: 300092

Ion Ratio Lower Upper

188 100

94 10.9 7.8 11.6

80 11.8 7.9 11.9



#71

Phenanthrene

Concen: 10.777 ng

RT: 11.433 min Scan# 1571

Delta R.T. -0.012 min

Lab File: BF143941.D

Acq: 13 Oct 2025 19:27

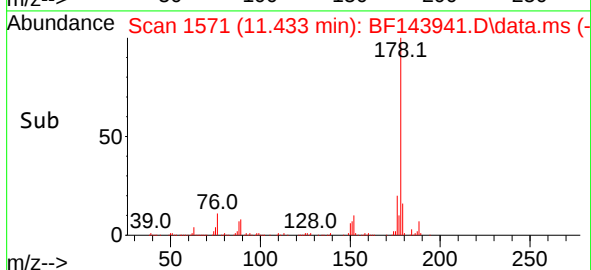
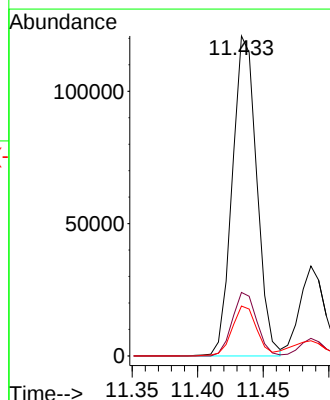
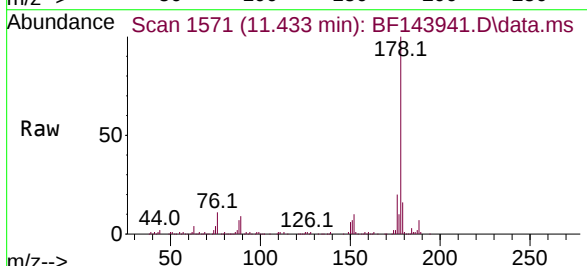
Tgt Ion:178 Resp: 156784

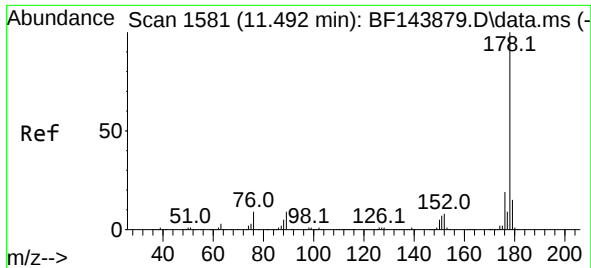
Ion Ratio Lower Upper

178 100

176 19.8 15.9 23.9

179 15.6 12.4 18.6

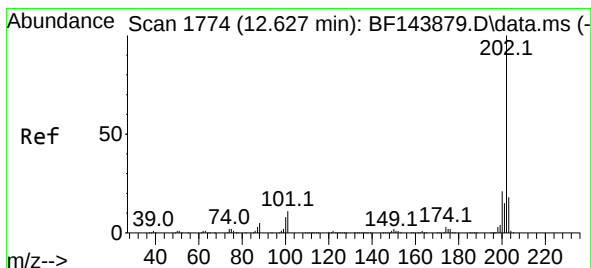
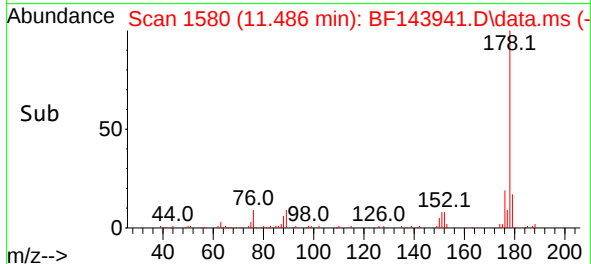
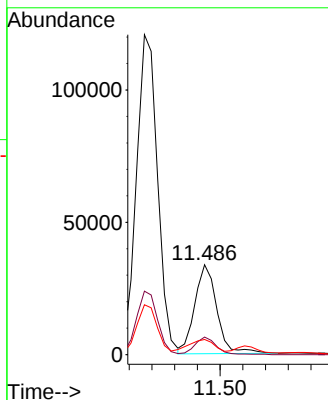
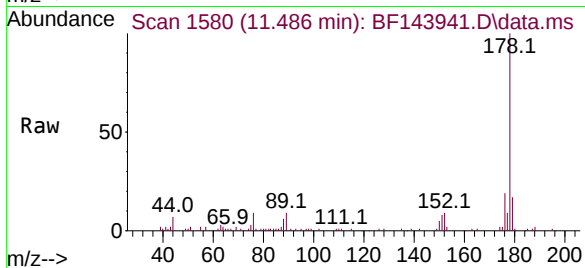




#72
 Anthracene
 Concen: 3.095 ng
 RT: 11.486 min Scan# 1581
 Delta R.T. -0.012 min
 Lab File: BF143941.D
 Acq: 13 Oct 2025 19:27

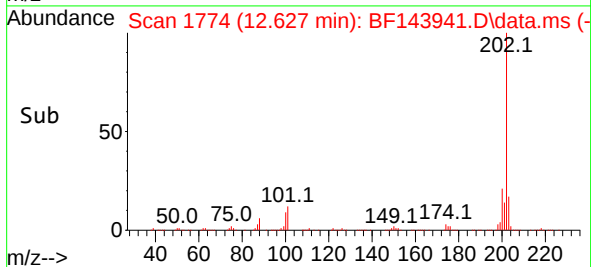
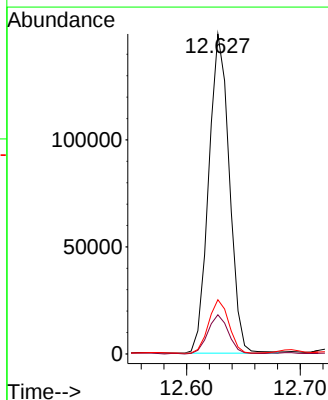
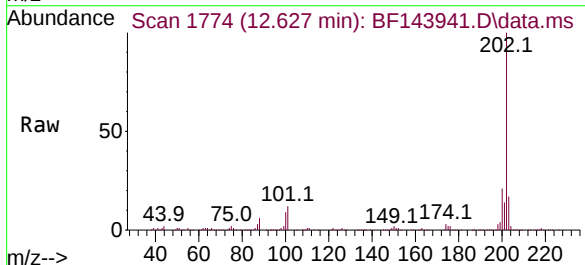
Instrument :
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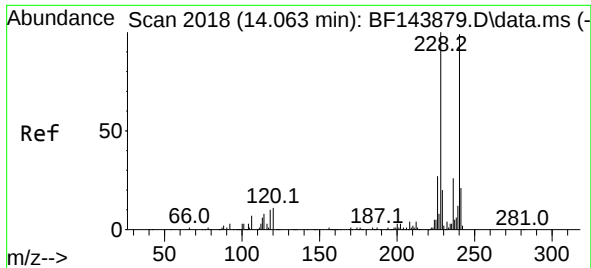
Tgt Ion:178 Resp: 45493
 Ion Ratio Lower Upper
 178 100
 176 19.5 14.9 22.3
 179 16.8 12.2 18.2



#75
 Fluoranthene
 Concen: 12.532 ng
 RT: 12.627 min Scan# 1774
 Delta R.T. -0.006 min
 Lab File: BF143941.D
 Acq: 13 Oct 2025 19:27

Tgt Ion:202 Resp: 188333
 Ion Ratio Lower Upper
 202 100
 101 12.2 0.0 30.7
 203 16.9 0.0 37.8

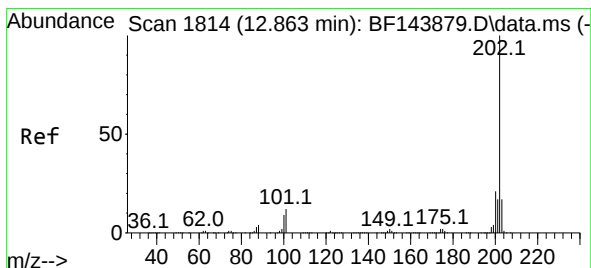
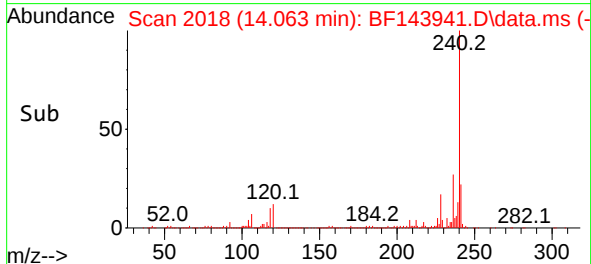
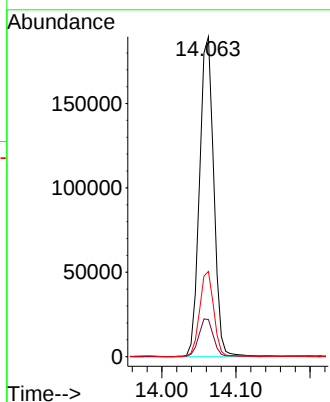
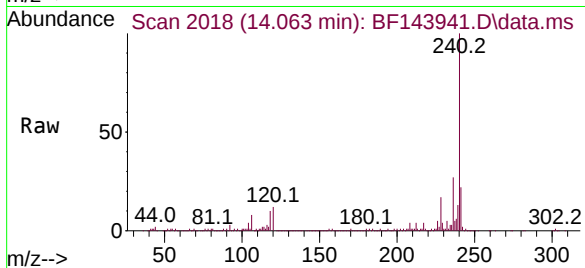




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

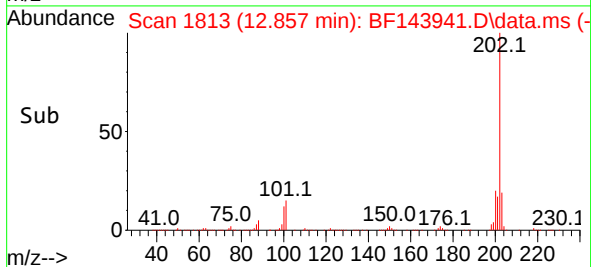
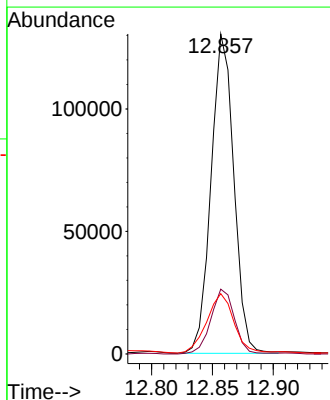
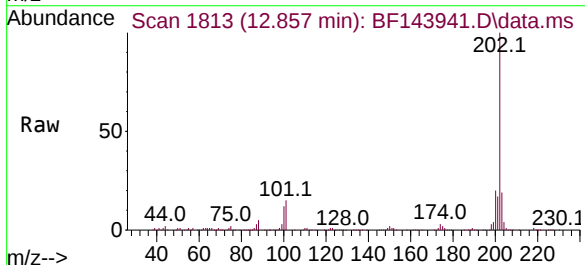
Instrument :
BNA_F
ClientSampleId :
SED-06-0-2

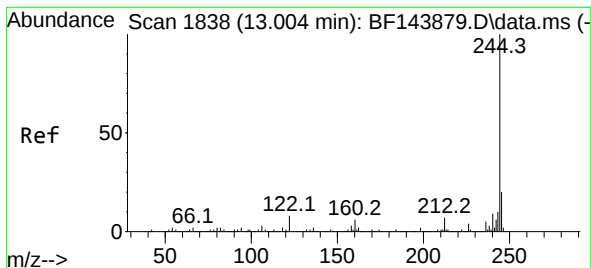
Tgt Ion:240 Resp: 253022
Ion Ratio Lower Upper
240 100
120 11.6 8.6 13.0
236 26.6 21.1 31.7



#78
Pyrene
Concen: 8.053 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Tgt Ion:202 Resp: 169876
Ion Ratio Lower Upper
202 100
200 20.2 17.0 25.6
203 18.9 13.8 20.6





#79

Terphenyl-d14

Concen: 26.385 ng

RT: 12.998 min Scan# 1838

Delta R.T. -0.012 min

Lab File: BF143941.D

Acq: 13 Oct 2025 19:27

Instrument :

BNA_F

ClientSampleId :

SED-06-0-2

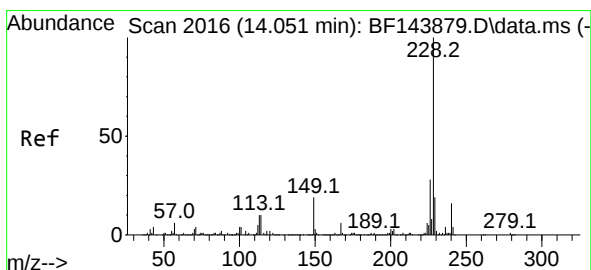
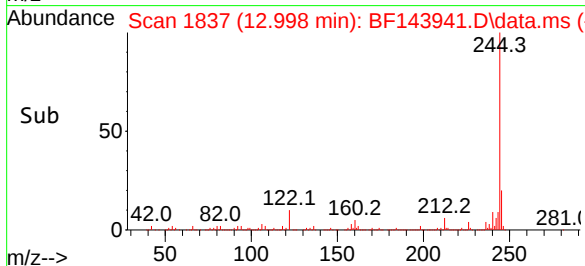
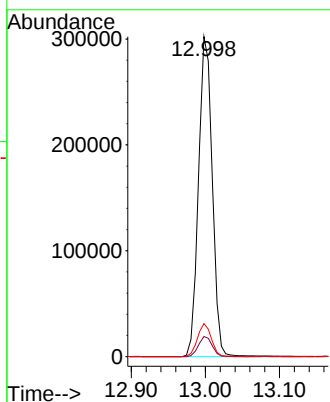
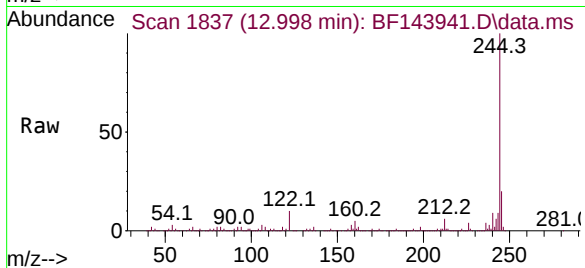
Tgt Ion:244 Resp: 390618

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

122 10.3 6.4 9.6#



#81

Benzo(a)anthracene

Concen: 6.168 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF143941.D

Acq: 13 Oct 2025 19:27

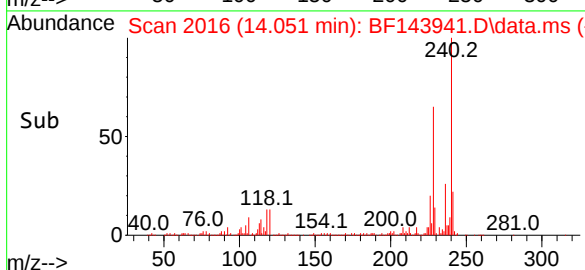
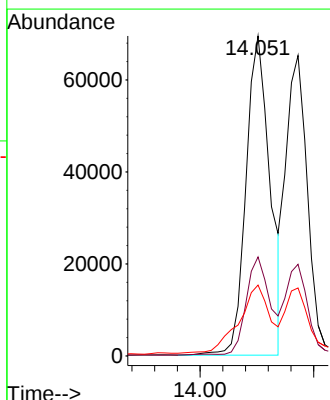
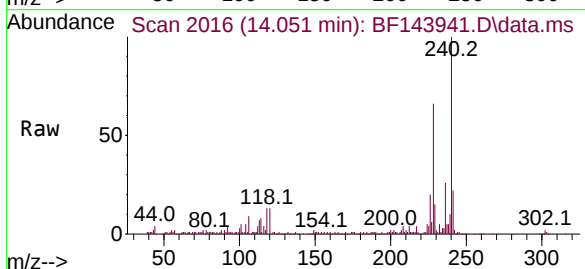
Tgt Ion:228 Resp: 102126

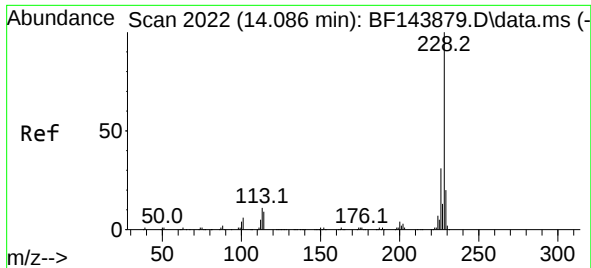
Ion Ratio Lower Upper

228 100

226 30.9 22.2 33.2

229 22.1 15.6 23.4

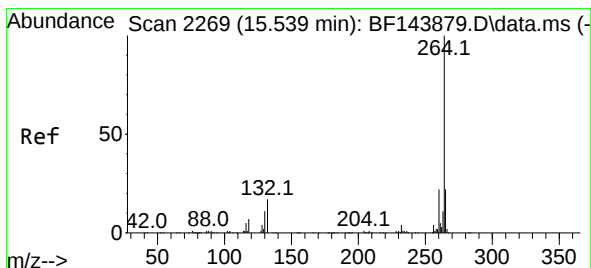
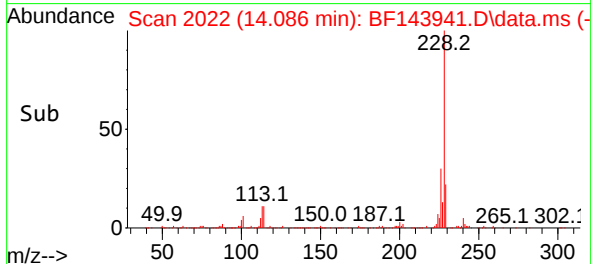
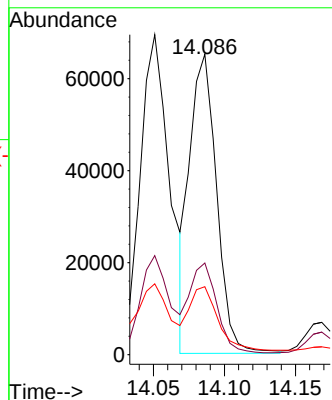
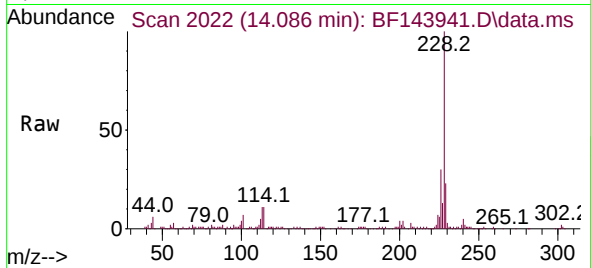




#83
Chrysene
Concen: 5.594 ng
RT: 14.086 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

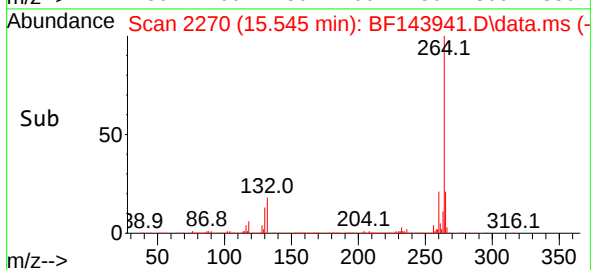
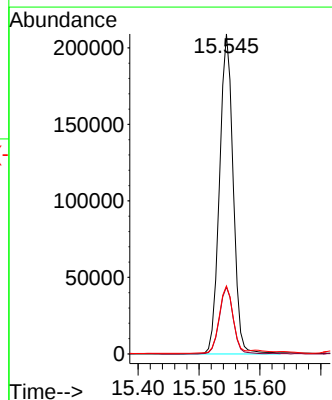
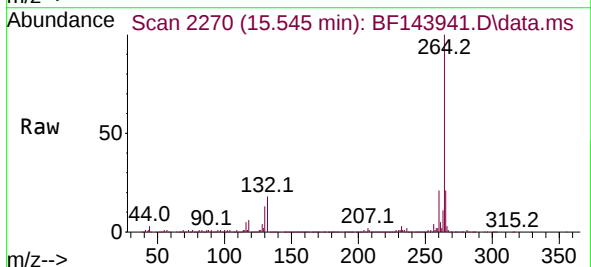
Instrument :
BNA_F
ClientSampleId :
SED-06-0-2

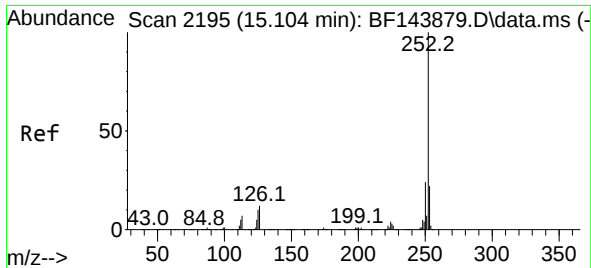
Tgt Ion:228	Resp: 85722
Ion Ratio	Lower Upper
228	100
226	30.5 24.4 36.6
229	22.6 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Tgt Ion:264	Resp: 326397
Ion Ratio	Lower Upper
264	100
260	20.9 17.8 26.8
265	21.2 17.5 26.3

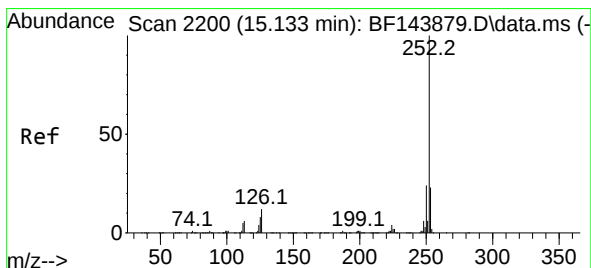
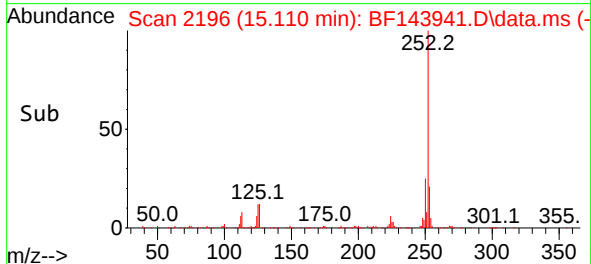
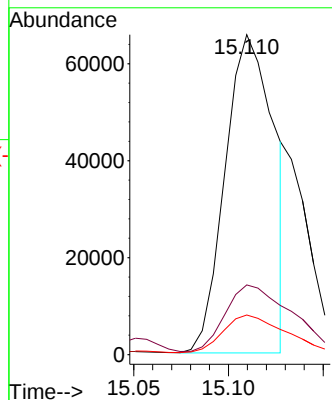
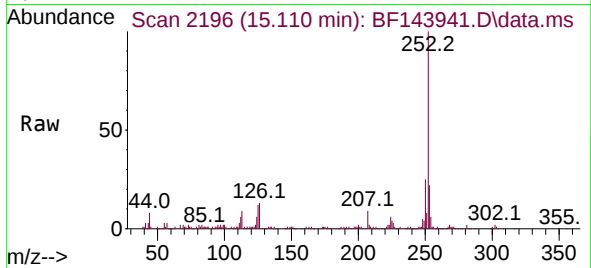




#88
Benzo(b)fluoranthene
Concen: 6.295 ng m
RT: 15.110 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

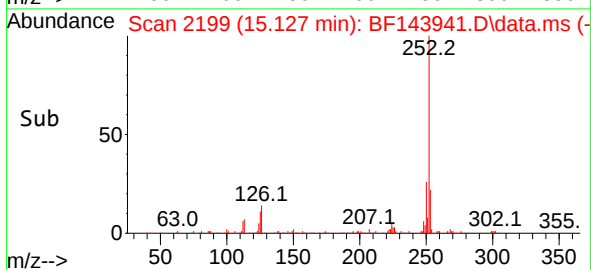
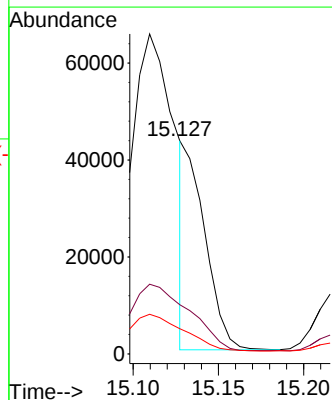
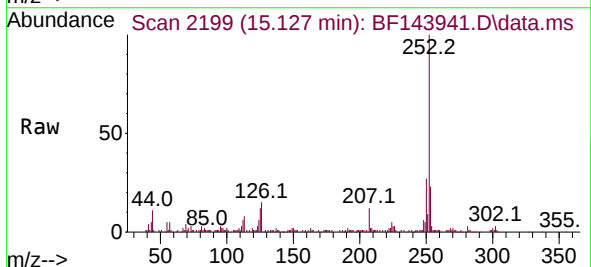
Instrument :
BNA_F
ClientSampleId :
SED-06-0-2

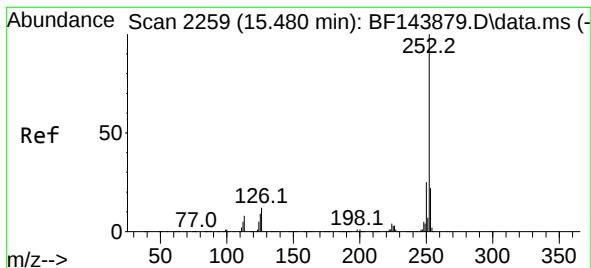
Tgt Ion:252 Resp: 118026
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.2
125 12.4 7.8 11.6#



#89
Benzo(k)fluoranthene
Concen: 2.013 ng m
RT: 15.127 min Scan# 2199
Delta R.T. -0.017 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Tgt Ion:252 Resp: 34926
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 11.8 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 5.289 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143941.D

Acq: 13 Oct 2025 19:27

Instrument :

BNA_F

ClientSampleId :

SED-06-0-2

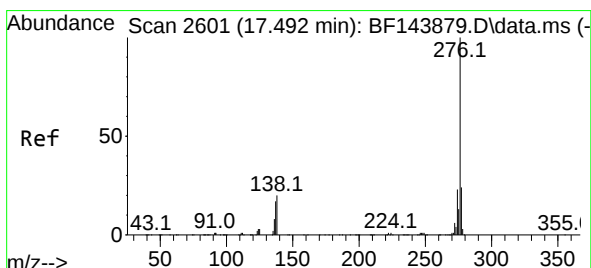
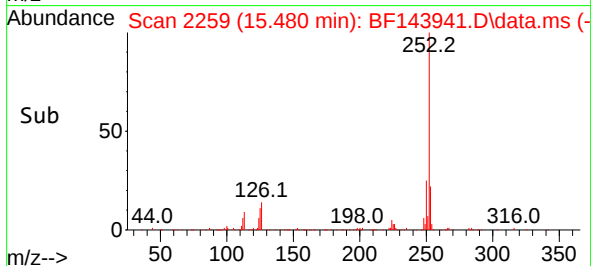
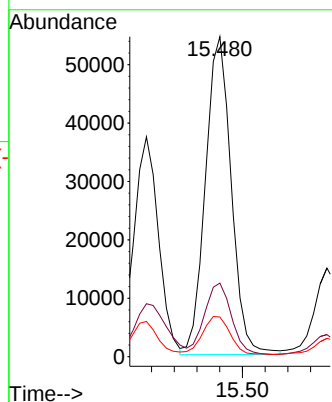
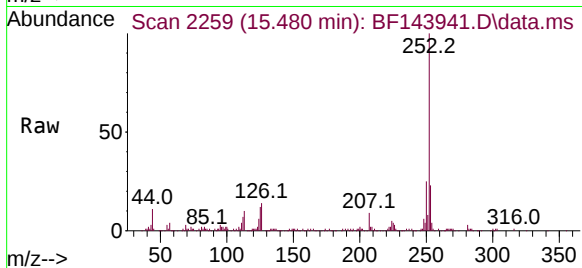
Tgt Ion:252 Resp: 85983

Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

125 12.4 7.0 10.4#



#92

Benzo(g,h,i)perylene

Concen: 2.247 ng

RT: 17.486 min Scan# 2600

Delta R.T. -0.029 min

Lab File: BF143941.D

Acq: 13 Oct 2025 19:27

Tgt Ion:276 Resp: 36138

Ion Ratio Lower Upper

276 100

277 26.5 19.0 28.6

138 23.8 16.1 24.1

