

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
 Data File : BF143942.D
 Acq On : 13 Oct 2025 19:56
 Operator : RC/JU
 Sample : Q3323-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SED-07-0-2

Quant Time: Oct 14 01:30:51 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)

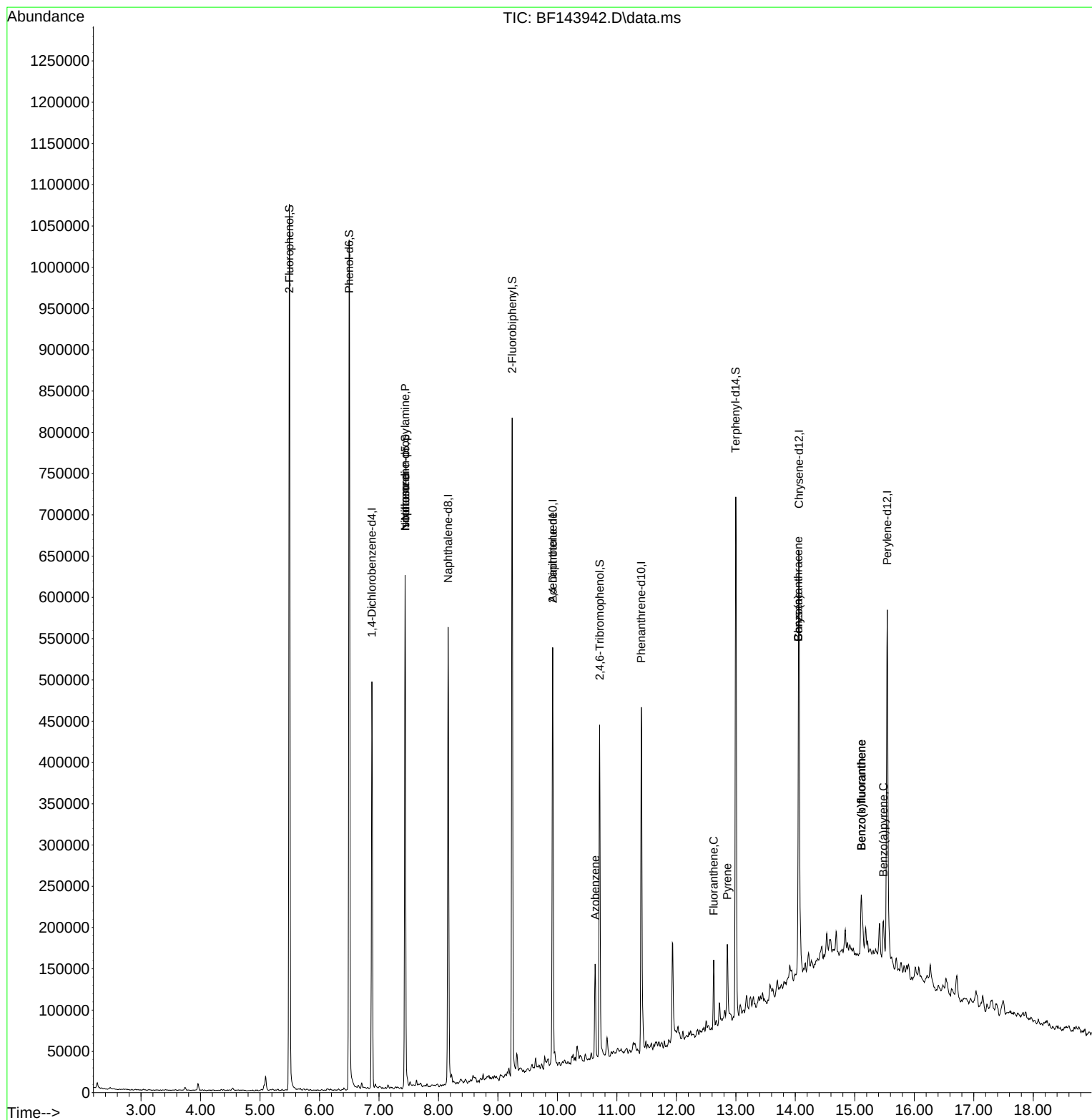
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	96804	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	346821	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	149732	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	225565	20.000	ng	# 0.00
76) Chrysene-d12	14.063	240	250053	20.000	ng	0.00
86) Perylene-d12	15.545	264	272960	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	417792	68.535	ng	0.00
7) Phenol-d6	6.498	99	465626	64.081	ng	-0.02
23) Nitrobenzene-d5	7.440	82	263623	46.180	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	72696	48.745	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	379923	40.261	ng	-0.01
79) Terphenyl-d14	12.998	244	326304	22.302	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	37851	7.610	ng	# 75
25) Isophorone	7.440	82	225307	18.718	ng	# 68
57) 2,4-Dinitrotoluene	9.922	165	20658	8.611	ng	# 27
63) Azobenzene	10.634	77	28792	3.119	ng	# 1
75) Fluoranthene	12.628	202	47135	4.173	ng	97
78) Pyrene	12.857	202	51244	2.458	ng	96
81) Benzo(a)anthracene	14.051	228	34655	2.118	ng	95
83) Chrysene	14.051	228	34655	2.288	ng	96
88) Benzo(b)fluoranthene	15.110	252	59232	3.778	ng	# 95
89) Benzo(k)fluoranthene	15.110	252	59232	4.083	ng	# 95
90) Benzo(a)pyrene	15.480	252	31100	2.287	ng	# 92

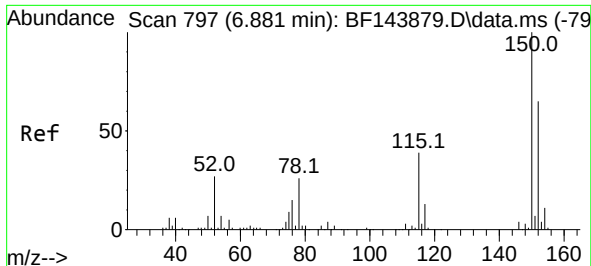
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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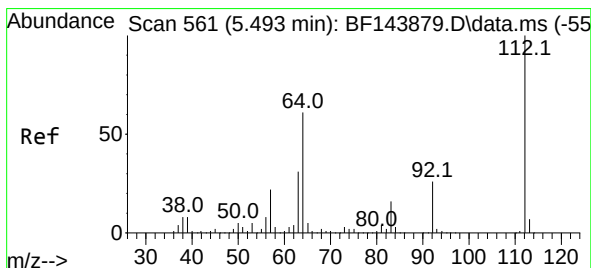
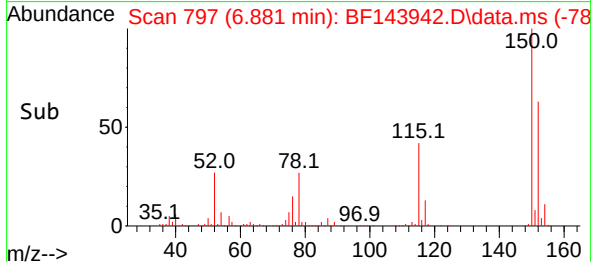
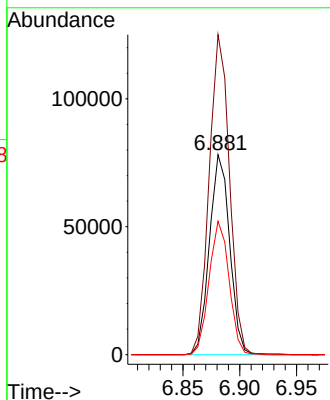
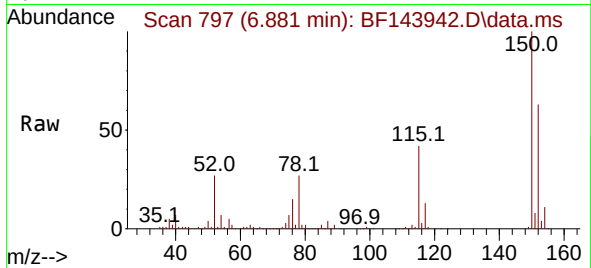




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

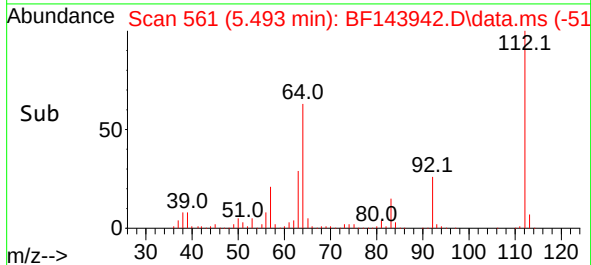
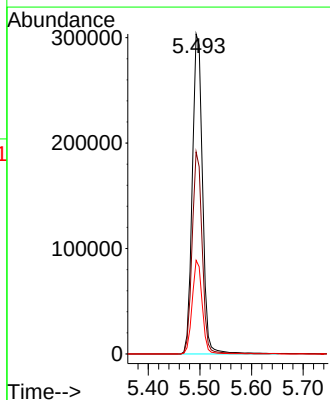
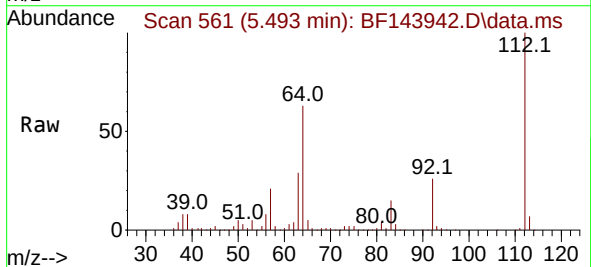
Instrument :
BNA_F
ClientSampleId :
SED-07-0-2

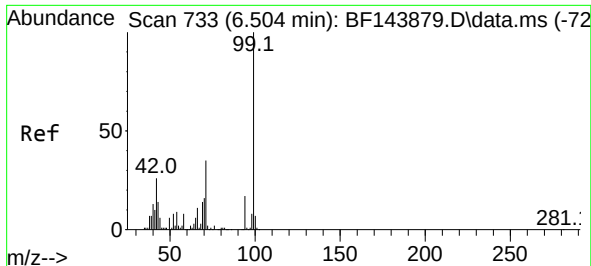
Tgt Ion:152 Resp: 96804
Ion Ratio Lower Upper
152 100
150 160.0 124.4 186.6
115 66.7 48.1 72.1



#5
2-Fluorophenol
Concen: 68.535 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Tgt Ion:112 Resp: 417792
Ion Ratio Lower Upper
112 100
64 63.2 49.1 73.7
63 29.2 24.5 36.7

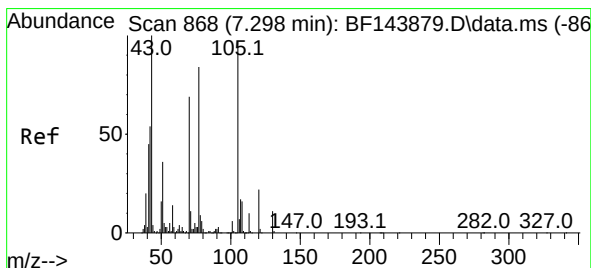
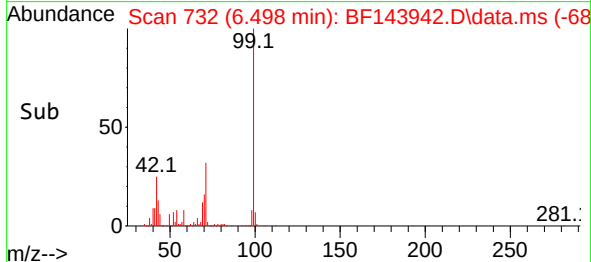
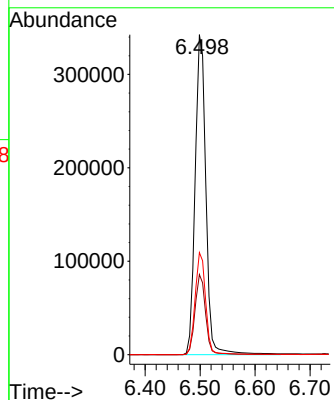
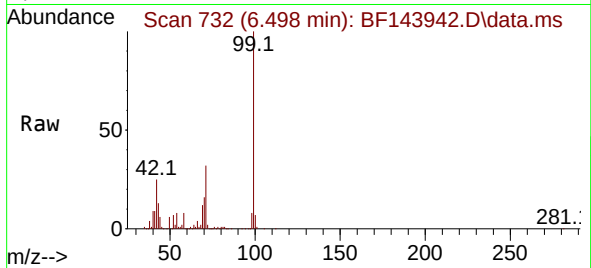




#7
Phenol-d6
Concen: 64.081 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

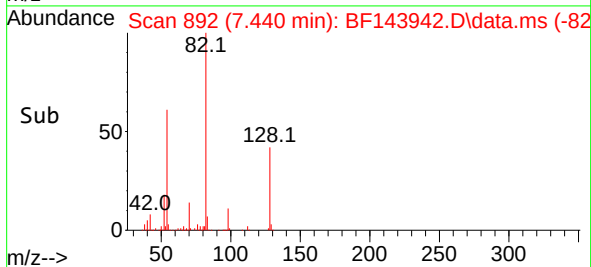
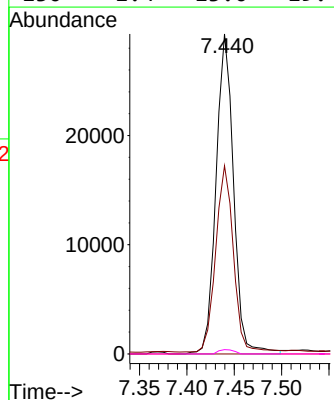
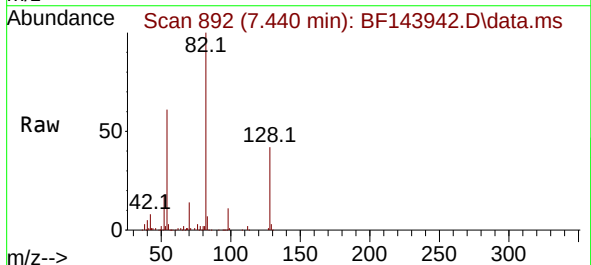
Instrument :
BNA_F
ClientSampleId :
SED-07-0-2

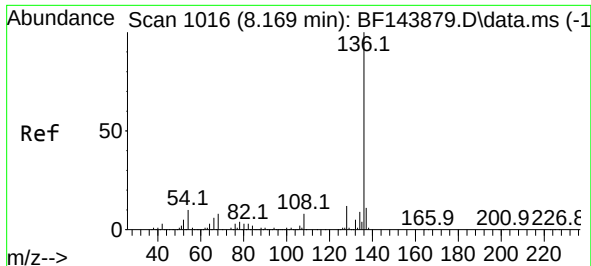
Tgt Ion: 99 Resp: 465626
Ion Ratio Lower Upper
99 100
42 25.1 21.0 31.4
71 31.9 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 7.610 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Tgt Ion: 70 Resp: 37851
Ion Ratio Lower Upper
70 100
42 58.8 62.8 94.2#
101 0.0 6.7 10.1#
130 1.4 13.0 19.4#



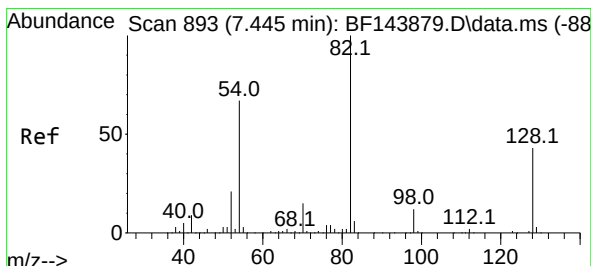
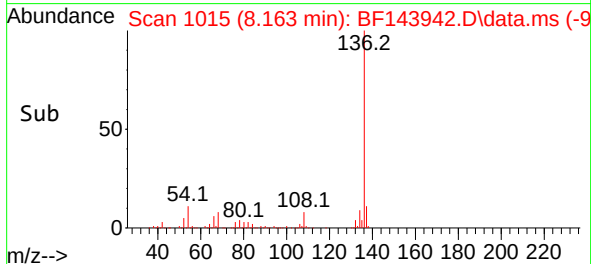
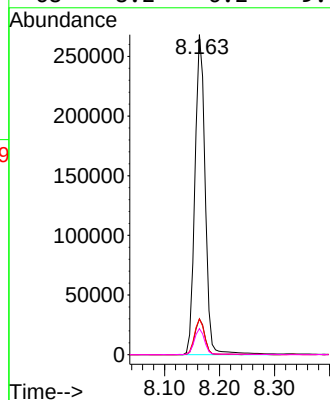
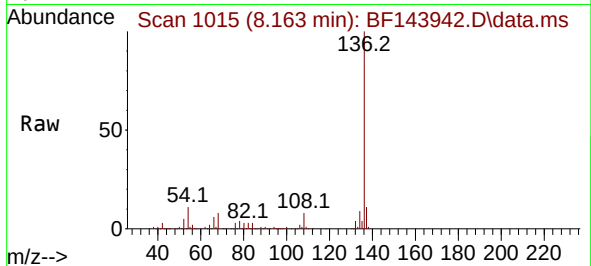


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Instrument :
BNA_F
ClientSampleId :
SED-07-0-2

Tgt Ion:136 Resp: 346821

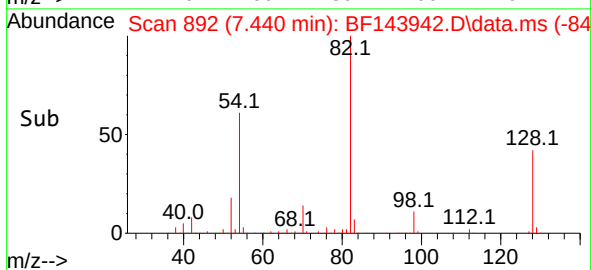
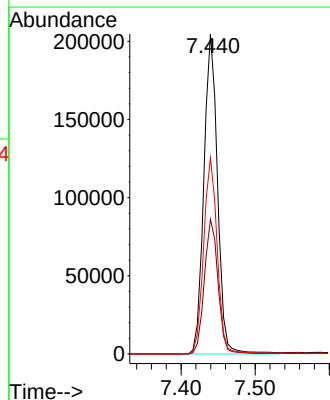
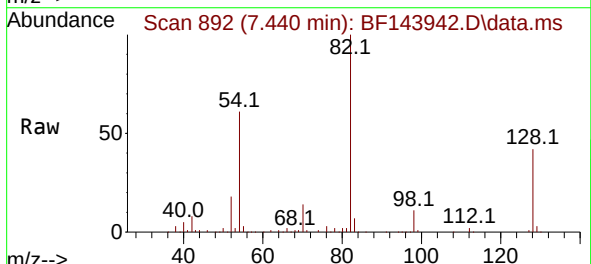
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	11.2	8.2	12.4
68	8.2	6.2	9.4

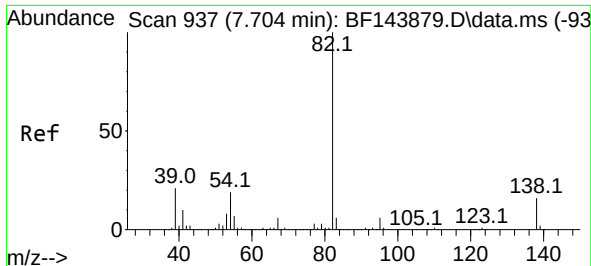


#23
Nitrobenzene-d5
Concen: 46.180 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.017 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Tgt Ion: 82 Resp: 263623

Ion	Ratio	Lower	Upper
82	100		
128	42.1	34.0	51.0
54	61.3	53.2	79.8

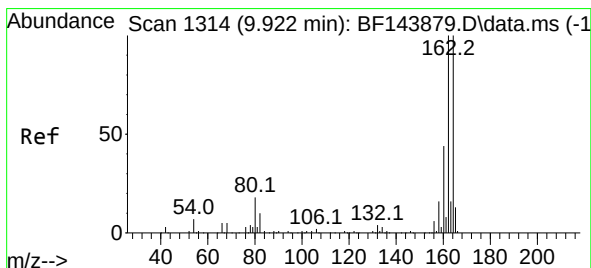
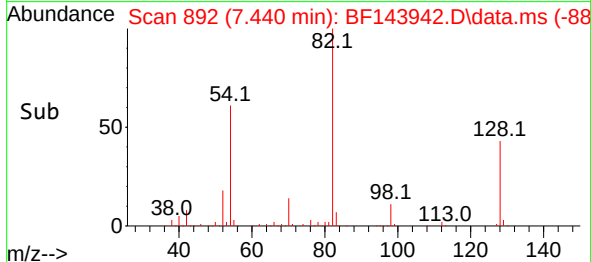
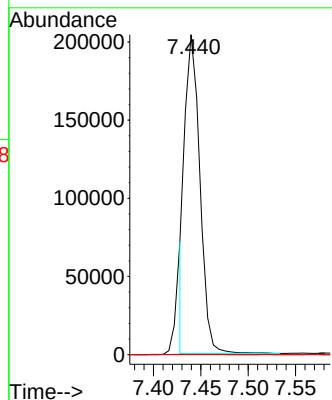
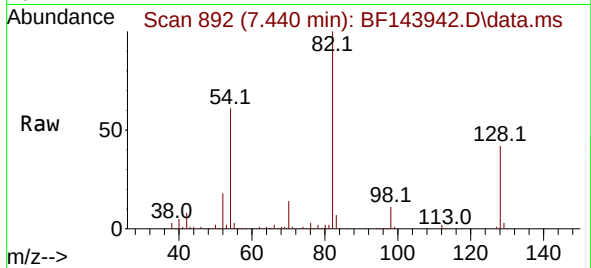




#25
Isophorone
Concen: 18.718 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.282 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

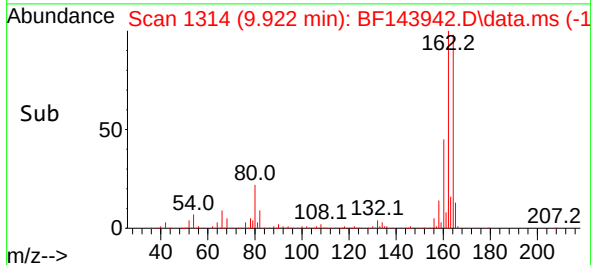
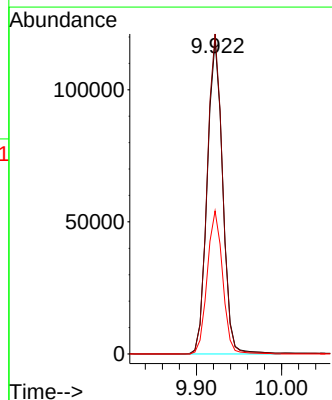
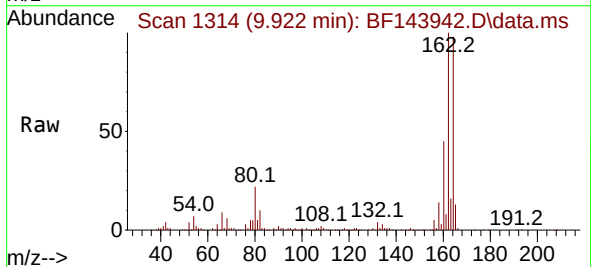
Instrument :
BNA_F
ClientSampleId :
SED-07-0-2

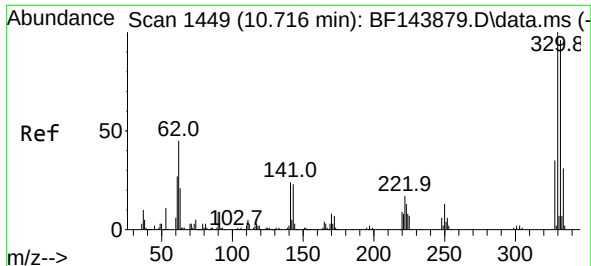
Tgt Ion: 82 Resp: 225307
Ion Ratio Lower Upper
82 100
95 0.1 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Tgt Ion:164 Resp: 149732
Ion Ratio Lower Upper
164 100
162 102.2 80.2 120.2
160 45.7 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 48.745 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF143942.D

Acq: 13 Oct 2025 19:56

Instrument :

BNA_F

ClientSampleId :

SED-07-0-2

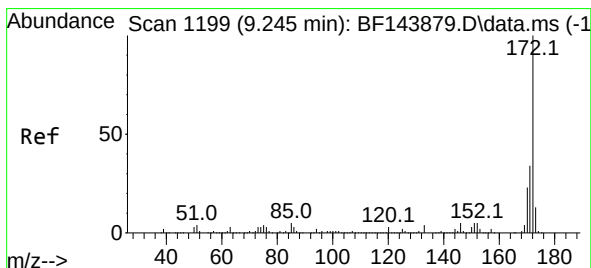
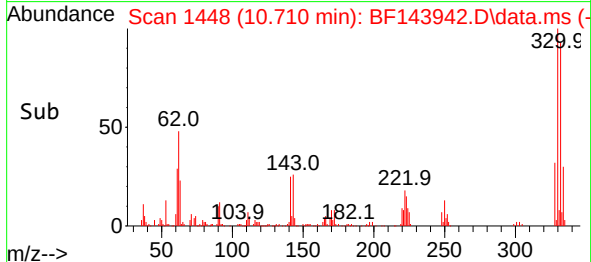
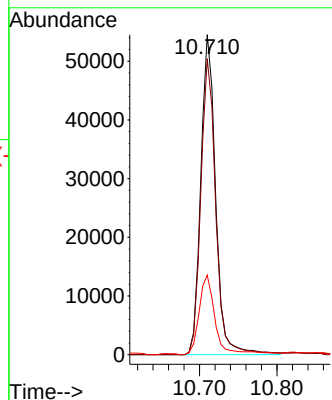
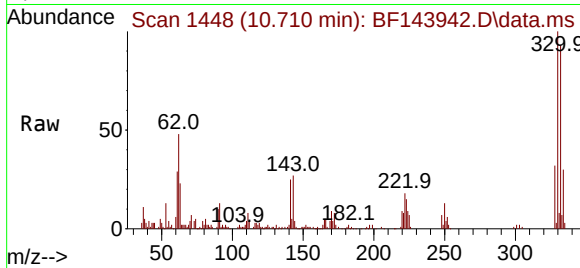
Tgt Ion:330 Resp: 72696

Ion Ratio Lower Upper

330 100

332 92.6 76.9 115.3

141 27.2 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 40.261 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF143942.D

Acq: 13 Oct 2025 19:56

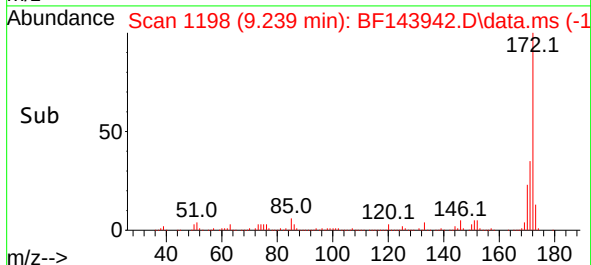
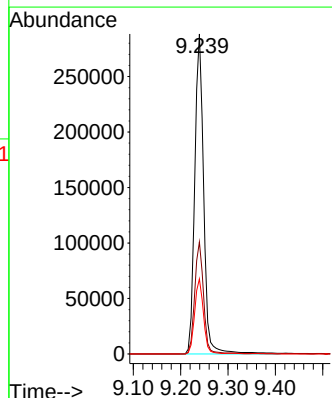
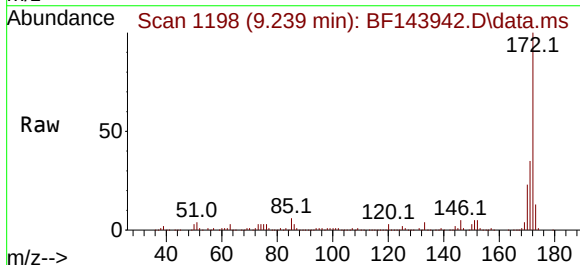
Tgt Ion:172 Resp: 379923

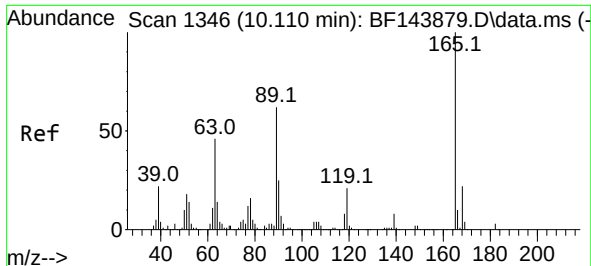
Ion Ratio Lower Upper

172 100

171 35.0 27.4 41.0

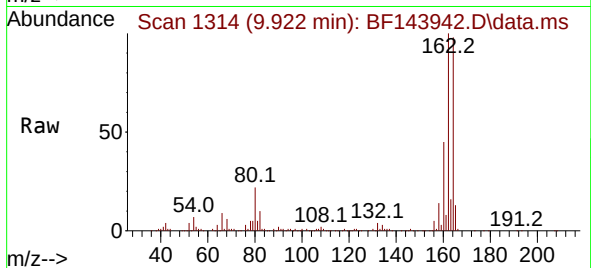
170 23.5 18.6 28.0



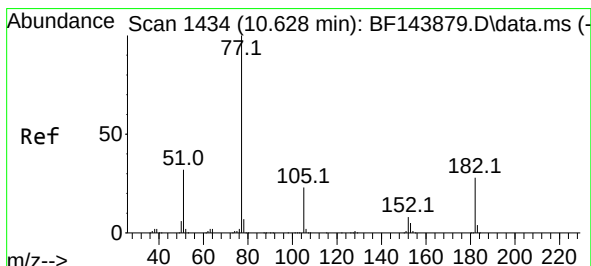
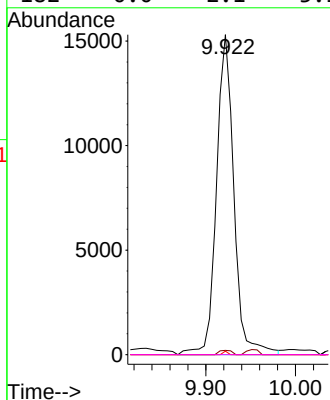
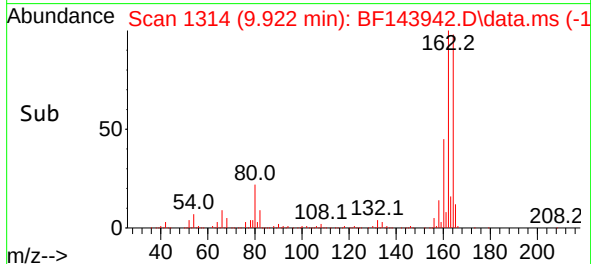


#57
2,4-Dinitrotoluene
Concen: 8.611 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Instrument :
BNA_F
ClientSampleId :
SED-07-0-2

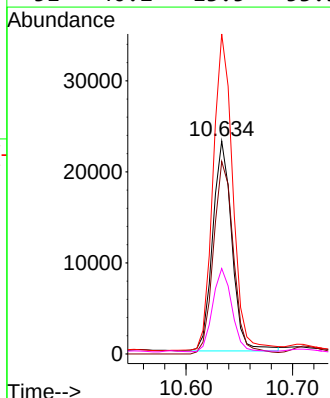
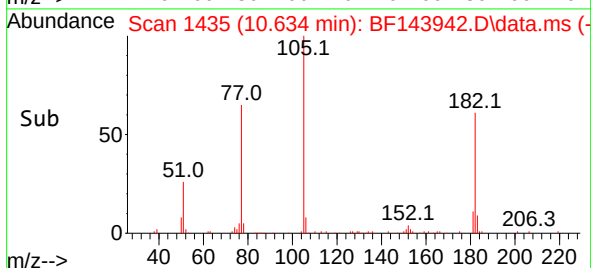
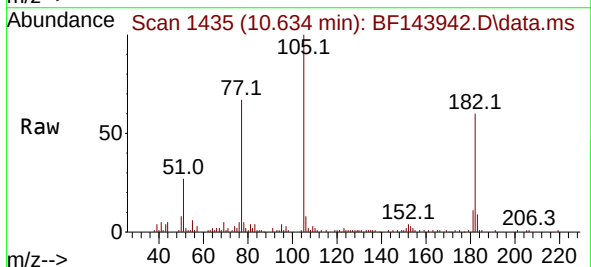


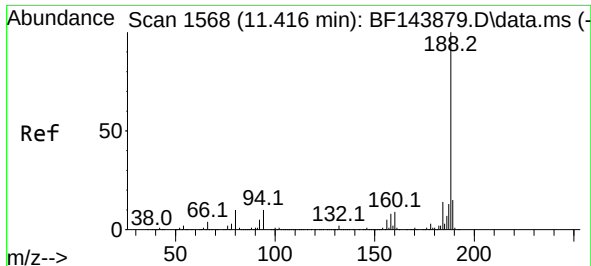
Tgt Ion:165 Resp: 20658
Ion Ratio Lower Upper
165 100
63 1.3 37.2 55.8#
89 1.1 49.4 74.2#
182 0.0 2.1 3.1#



#63
Azobenzene
Concen: 3.119 ng
RT: 10.634 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Tgt Ion: 77 Resp: 28792
Ion Ratio Lower Upper
77 100
182 90.4 7.3 47.3#
105 150.3 3.0 43.0#
51 40.2 13.5 53.5

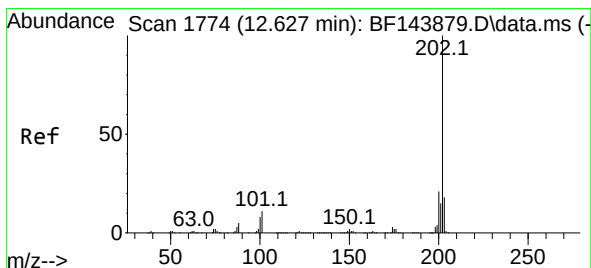
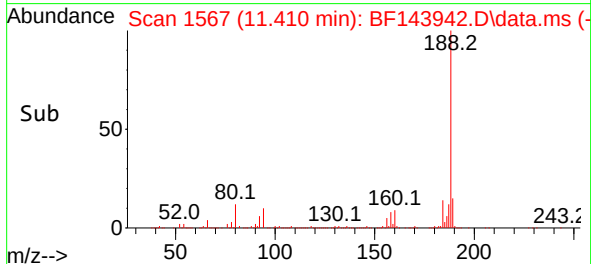
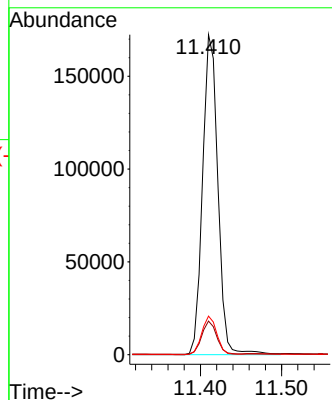
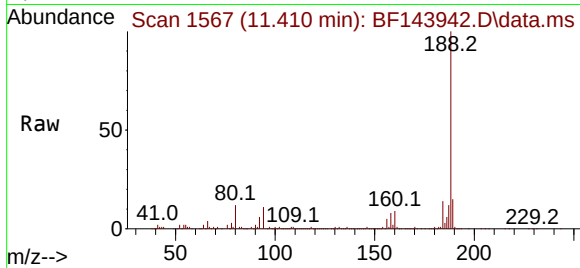




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

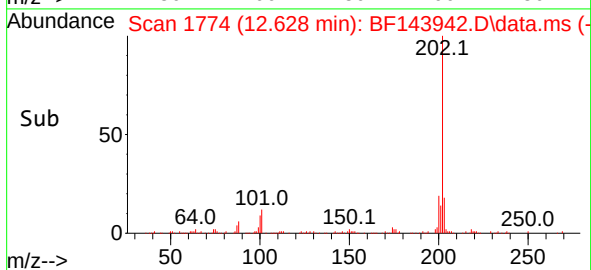
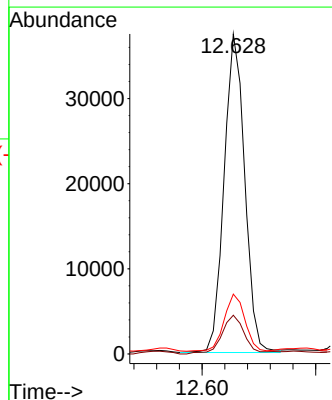
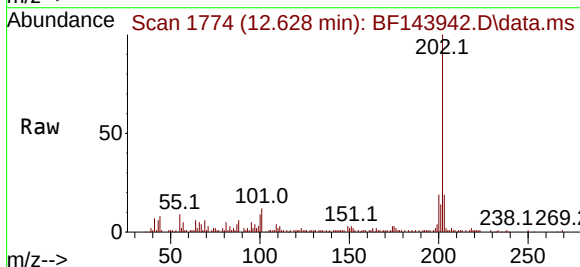
Instrument :
BNA_F
ClientSampleId :
SED-07-0-2

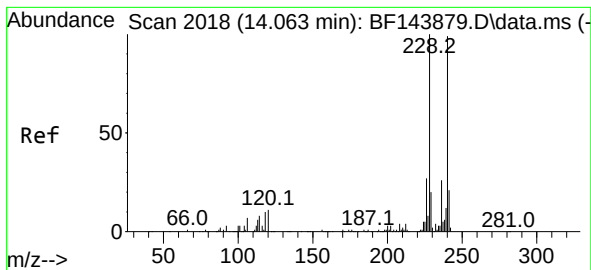
Tgt Ion:188 Resp: 225565
Ion Ratio Lower Upper
188 100
94 10.5 7.8 11.6
80 12.1 7.9 11.9#



#75
Fluoranthene
Concen: 4.173 ng
RT: 12.628 min Scan# 1774
Delta R.T. -0.005 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Tgt Ion:202 Resp: 47135
Ion Ratio Lower Upper
202 100
101 12.1 0.0 30.7
203 18.7 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: BF143942.D

Acq: 13 Oct 2025 19:56

Instrument :

BNA_F

ClientSampleId :

SED-07-0-2

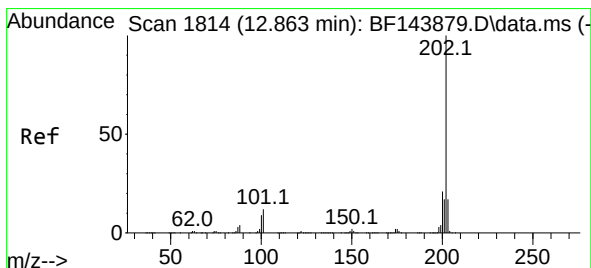
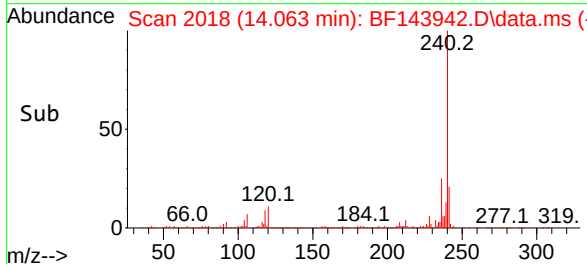
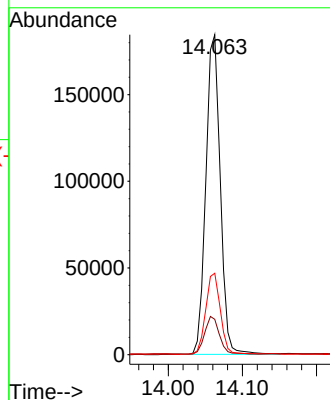
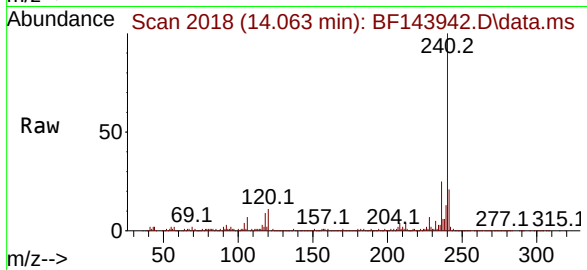
Tgt Ion:240 Resp: 250053

Ion Ratio Lower Upper

240 100

120 11.0 8.6 13.0

236 25.4 21.1 31.7



#78

Pyrene

Concen: 2.458 ng

RT: 12.857 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF143942.D

Acq: 13 Oct 2025 19:56

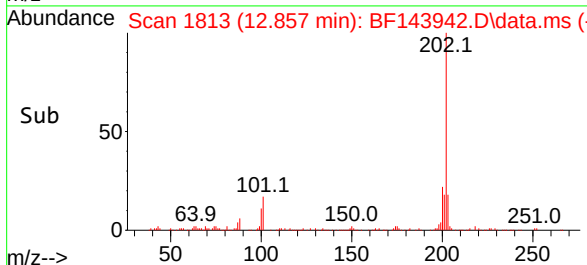
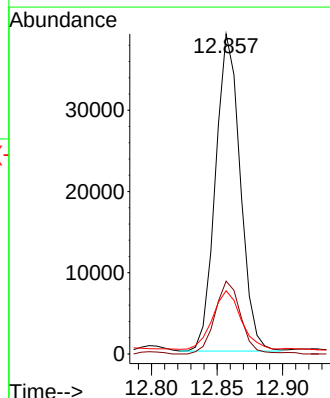
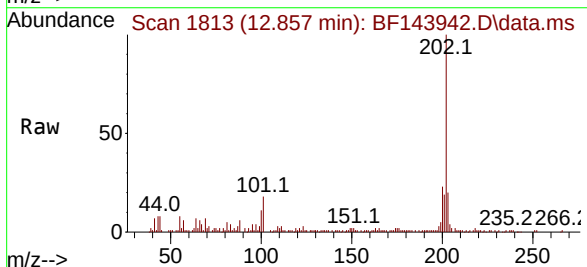
Tgt Ion:202 Resp: 51244

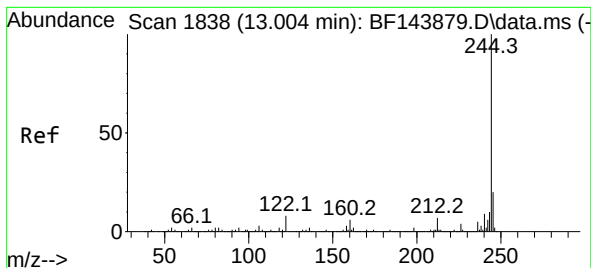
Ion Ratio Lower Upper

202 100

200 22.8 17.0 25.6

203 19.7 13.8 20.6





#79

Terphenyl-d14

Concen: 22.302 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.012 min

Lab File: BF143942.D

Acq: 13 Oct 2025 19:56

Instrument :

BNA_F

ClientSampleId :

SED-07-0-2

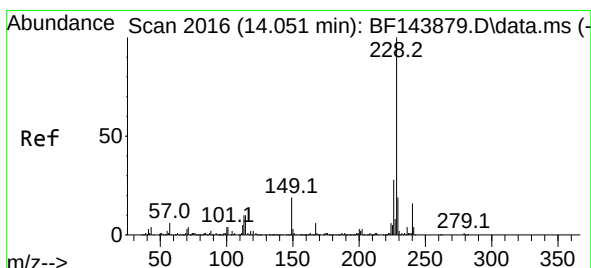
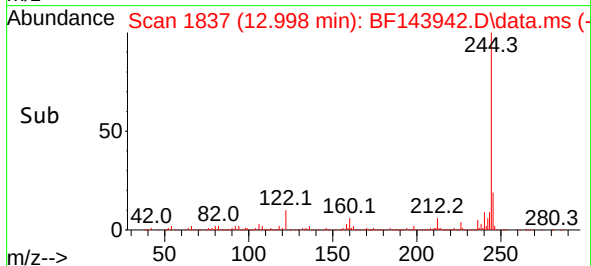
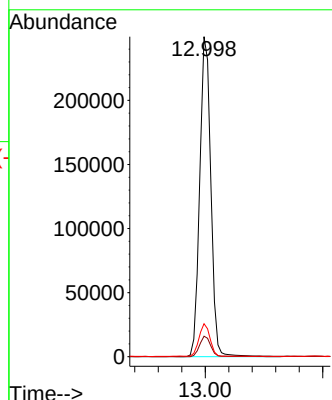
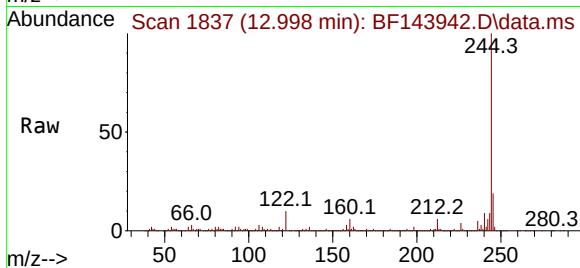
Tgt Ion:244 Resp: 326304

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 10.3 6.4 9.6#



#81

Benzo(a)anthracene

Concen: 2.118 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF143942.D

Acq: 13 Oct 2025 19:56

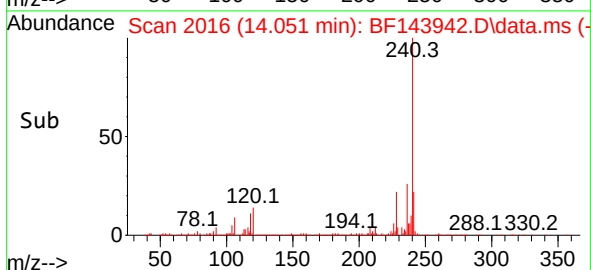
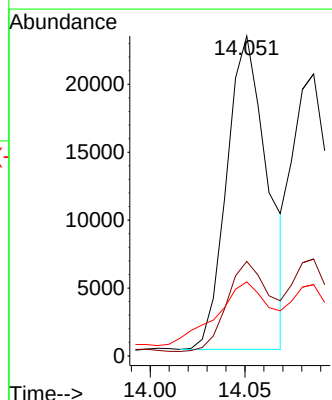
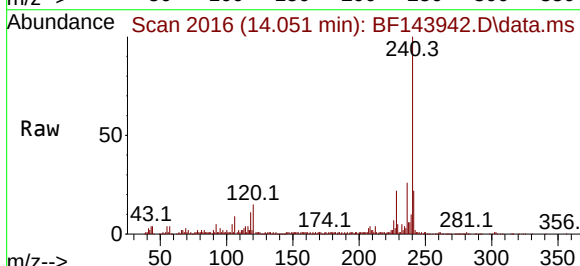
Tgt Ion:228 Resp: 34655

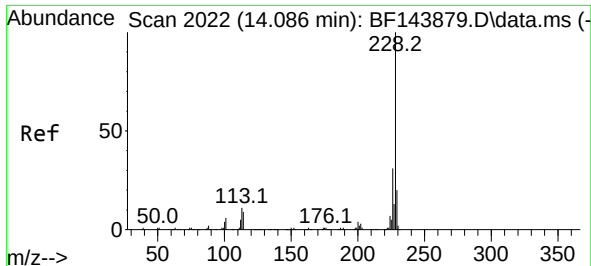
Ion Ratio Lower Upper

228 100

226 29.5 22.2 33.2

229 23.1 15.6 23.4

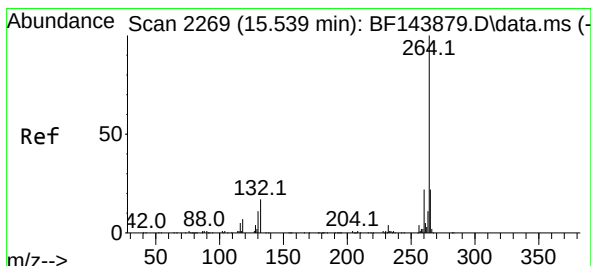
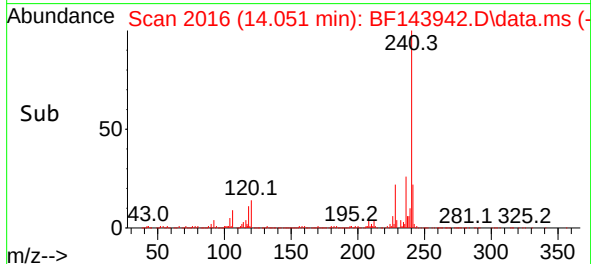
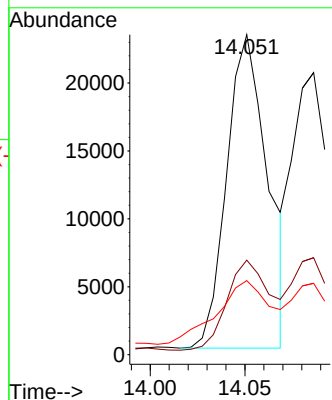
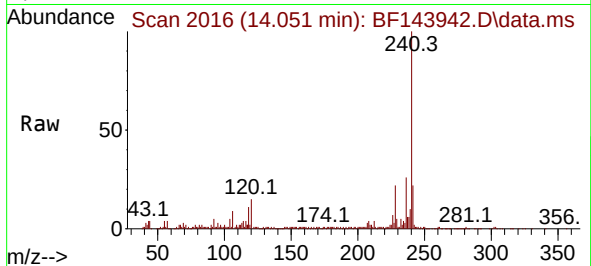




#83
Chrysene
Concen: 2.288 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.041 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

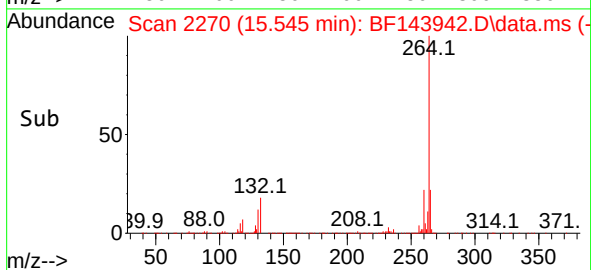
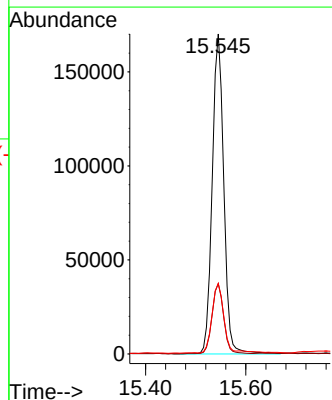
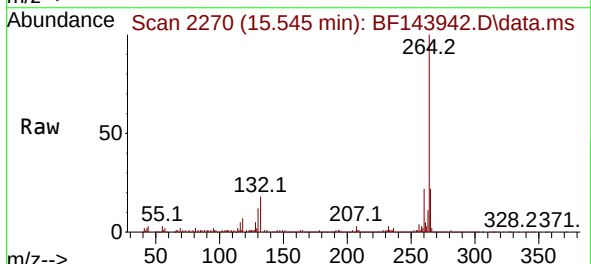
Instrument :
BNA_F
ClientSampleId :
SED-07-0-2

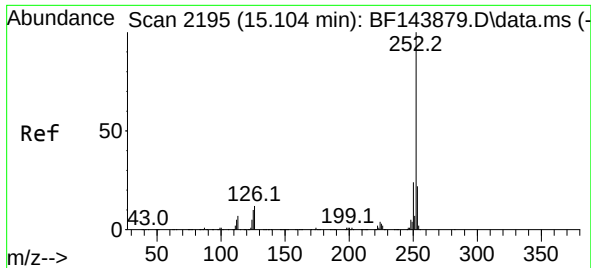
Tgt Ion:228 Resp: 34655
Ion Ratio Lower Upper
228 100
226 29.5 24.4 36.6
229 23.1 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Tgt Ion:264 Resp: 272960
Ion Ratio Lower Upper
264 100
260 21.9 17.8 26.8
265 22.1 17.5 26.3

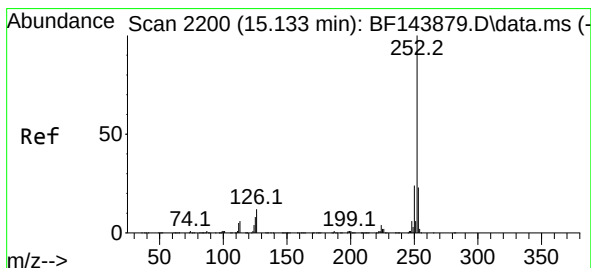
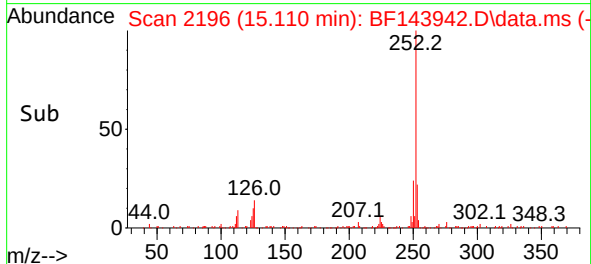
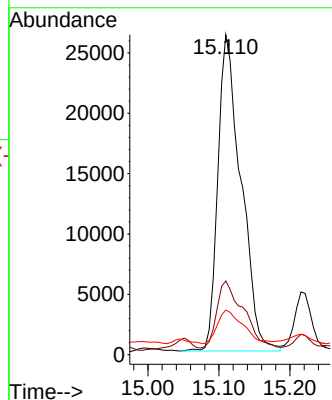
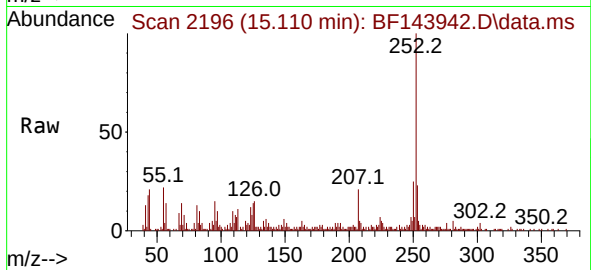




#88
Benzo(b)fluoranthene
Concen: 3.778 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

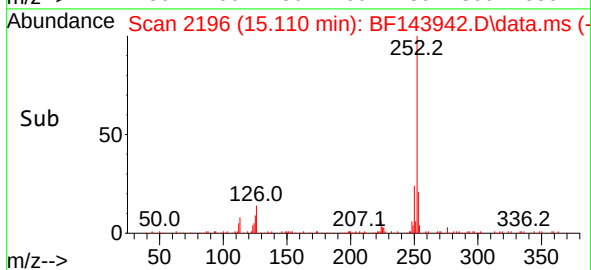
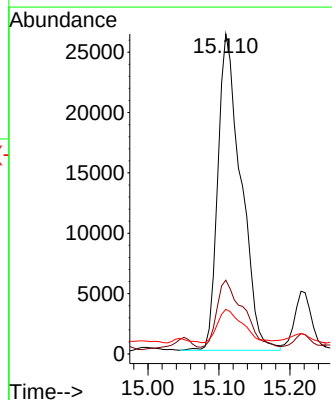
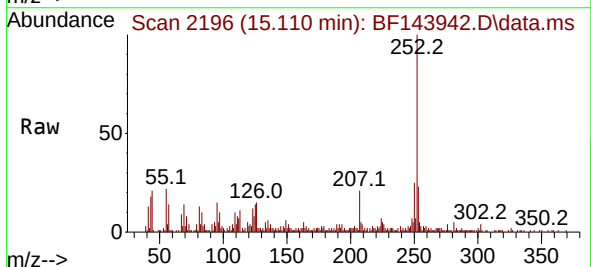
Instrument :
BNA_F
ClientSampleId :
SED-07-0-2

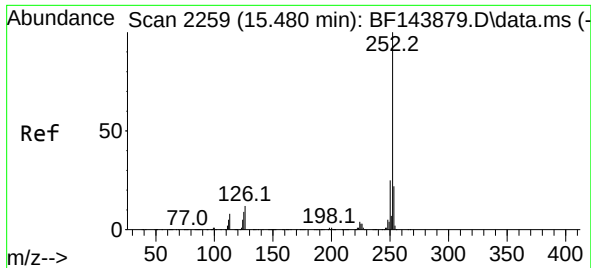
Tgt Ion:252 Resp: 59232
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 14.0 7.8 11.6#



#89
Benzo(k)fluoranthene
Concen: 4.083 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.035 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

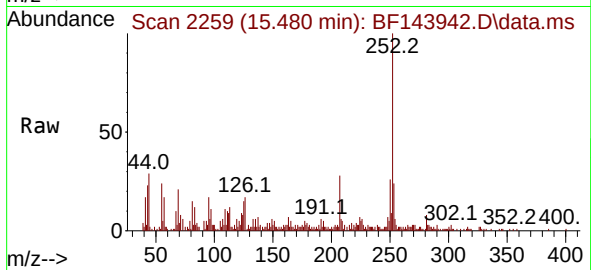
Tgt Ion:252 Resp: 59232
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 14.0 7.4 11.2#





#90
Benzo(a)pyrene
Concen: 2.287 ng
RT: 15.480 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Instrument :
BNA_F
ClientSampleId :
SED-07-0-2



Tgt Ion:252 Resp: 31100
Ion Ratio Lower Upper
252 100
253 23.6 17.3 25.9
125 15.5 7.0 10.4#

