

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

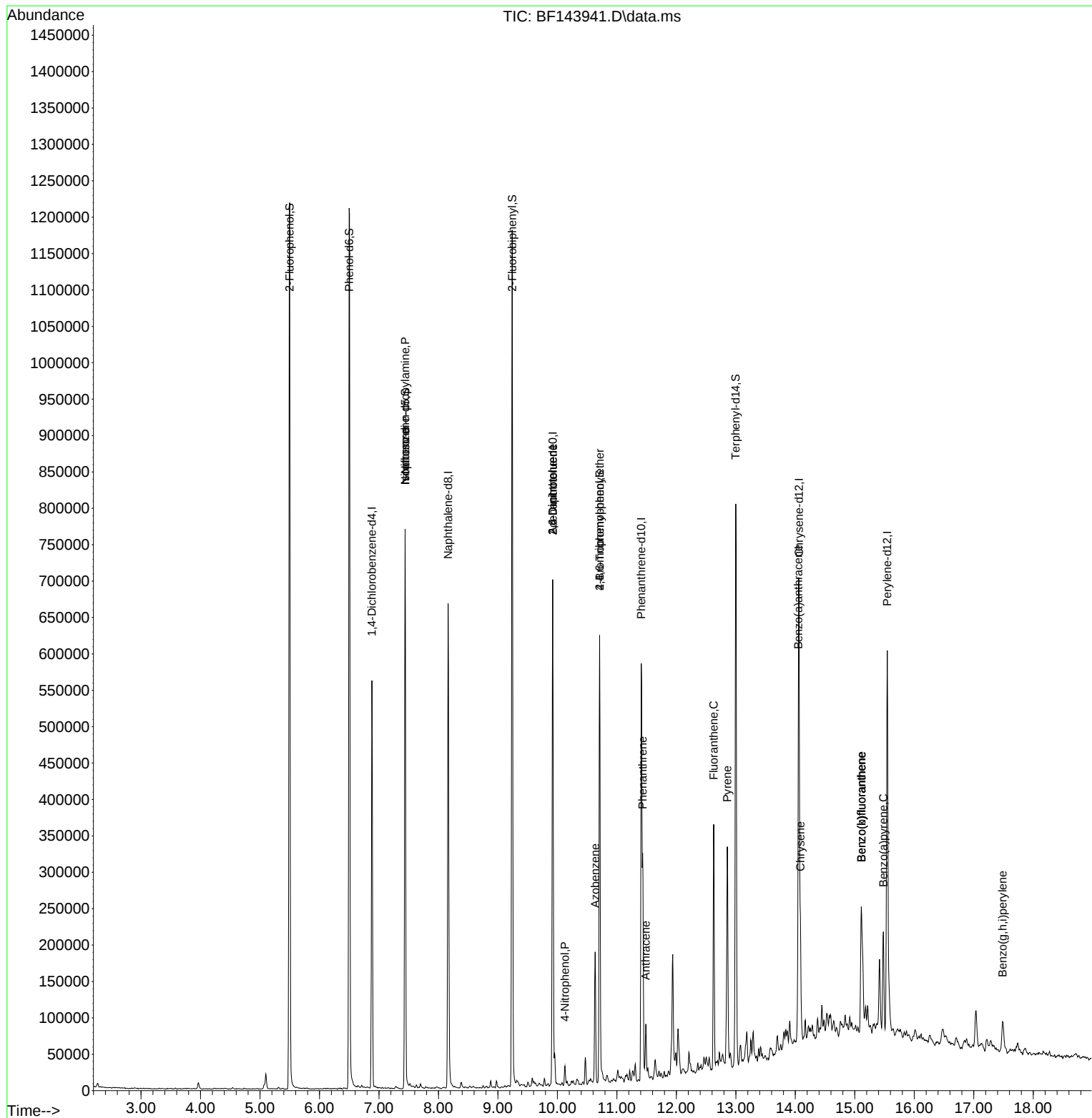
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	111779	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	409481	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	209857	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	300092	20.000	ng	0.00
76) Chrysene-d12	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						
19) n-Nitroso-di-n-propyla...	7.440	70	46639	8.121	ng	# 76
25) Isophorone	7.440	82	273734	19.262	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	27485	11.122	ng	# 26
56) 4-Nitrophenol	10.128	139	4682	2.044	ng	# 13
57) 2,4-Dinitrotoluene	9.922	165	27485	8.174	ng	# 27
63) Azobenzene	10.633	77	44111	3.409	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	6858	2.068	ng	# 1
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	154482	8.239	ng	# 98
89) Benzo(k)fluoranthene	15.110	252	154482	8.904	ng	# 97
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

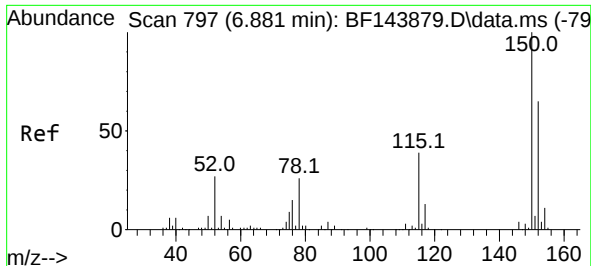
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
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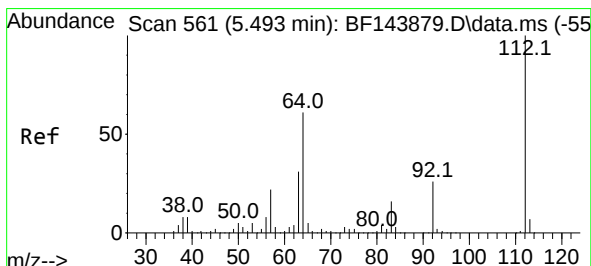
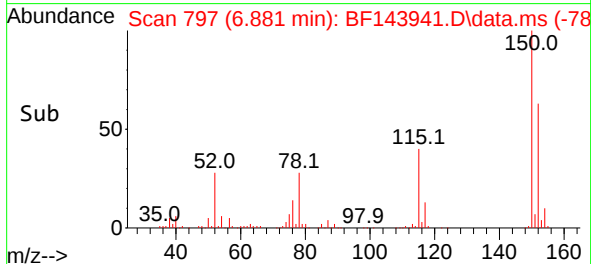
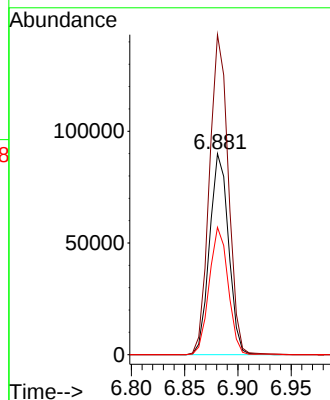
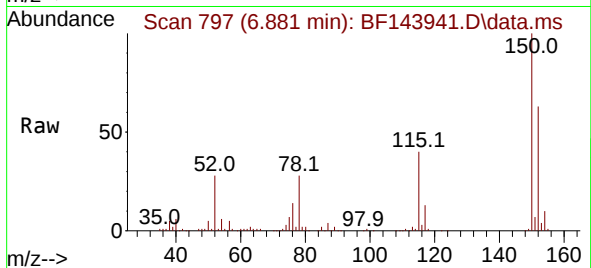




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

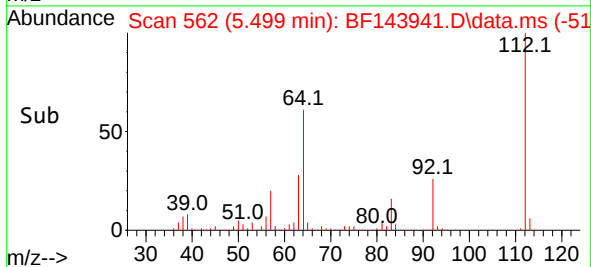
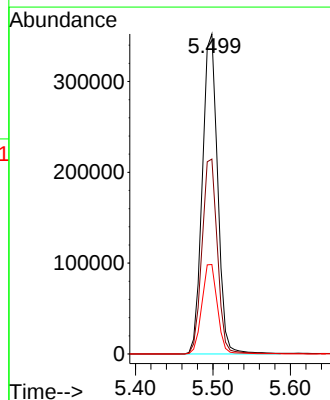
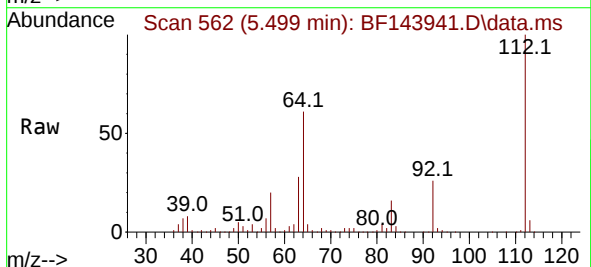
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BNA_F
ClientSampleId :
SED-06-0-2

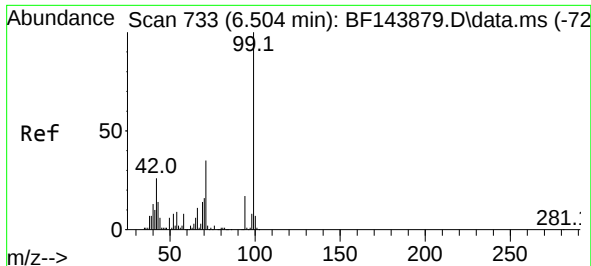
Tgt Ion:152 Resp: 111779
Ion Ratio Lower Upper
152 100
150 159.2 124.4 186.6
115 63.3 48.1 72.1



#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

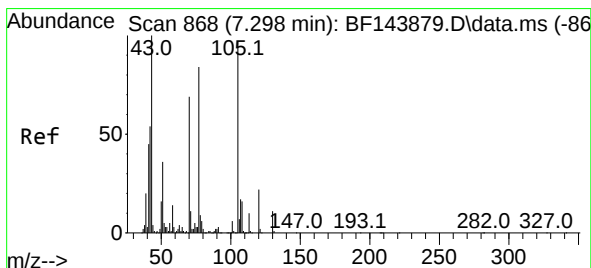
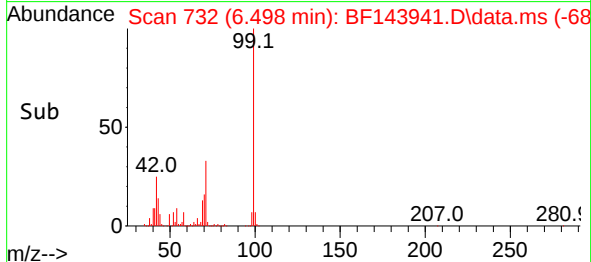
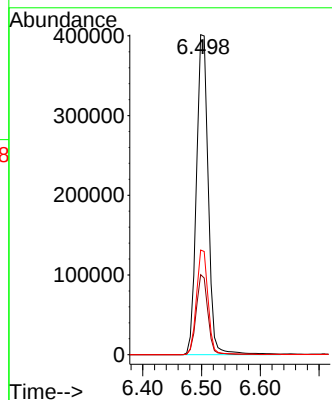
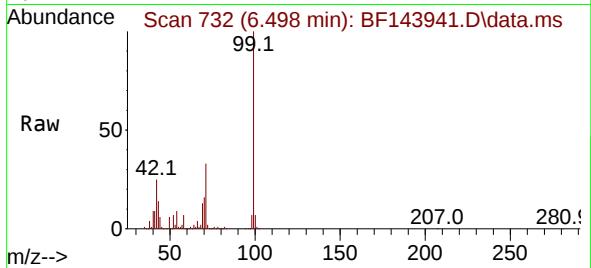




#7
Phenol-d6
Concen: 66.680 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

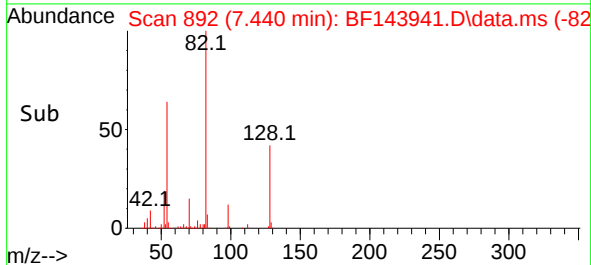
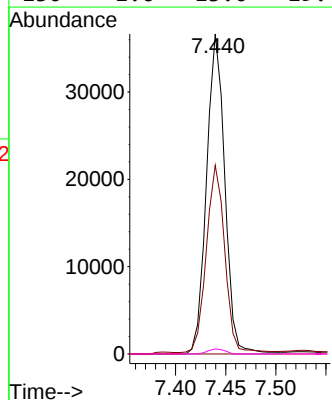
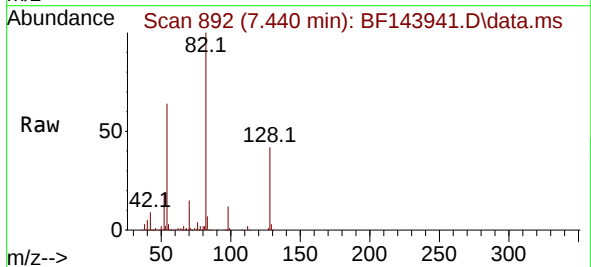
Instrument :
BNA_F
ClientSampleId :
SED-06-0-2

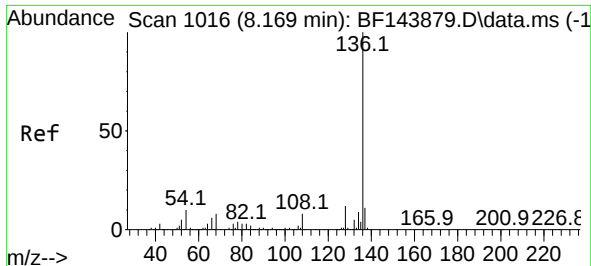
Tgt Ion: 99 Resp: 559463
Ion Ratio Lower Upper
99 100
42 25.0 21.0 31.4
71 32.7 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 8.121 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Tgt Ion: 70 Resp: 46639
Ion Ratio Lower Upper
70 100
42 59.0 62.8 94.2#
101 0.0 6.7 10.1#
130 1.6 13.0 19.4#



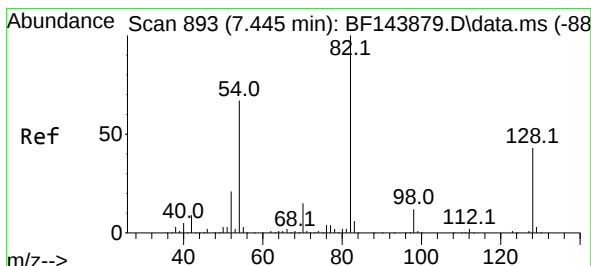
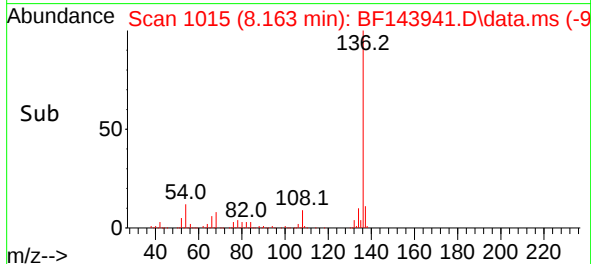
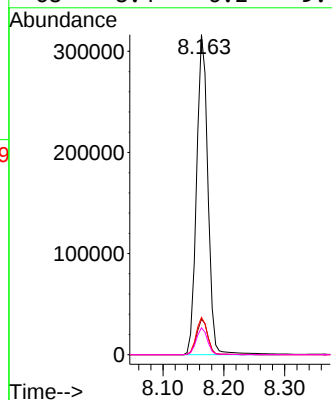
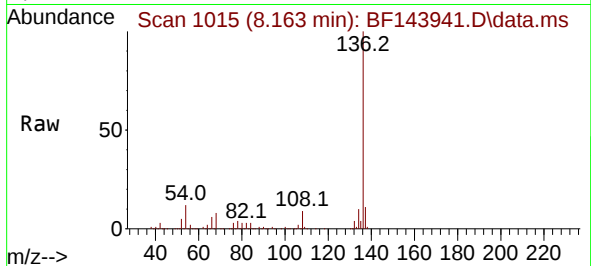


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

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

Tgt Ion:136 Resp: 409481

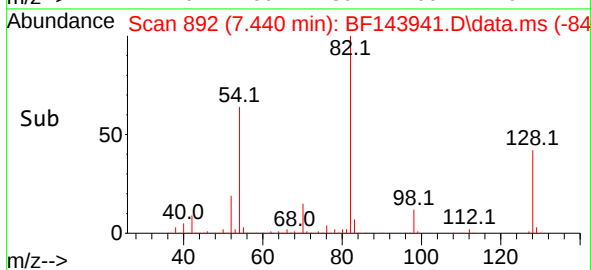
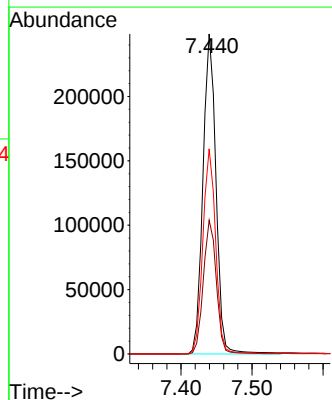
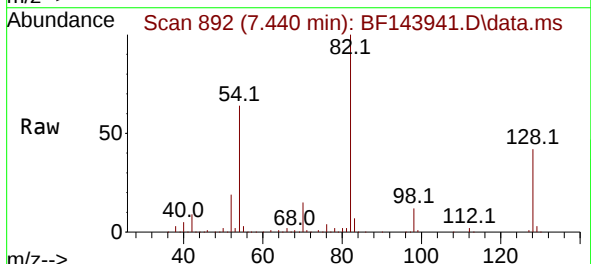
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	11.7	8.2	12.4
68	8.4	6.2	9.4

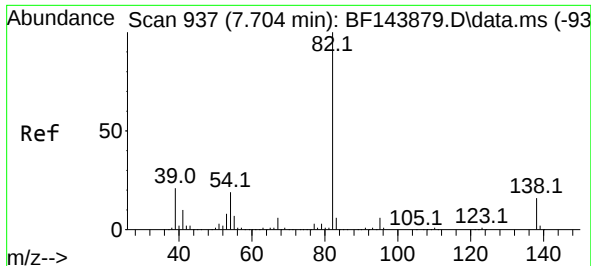


#23
Nitrobenzene-d5
Concen: 47.314 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.017 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

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

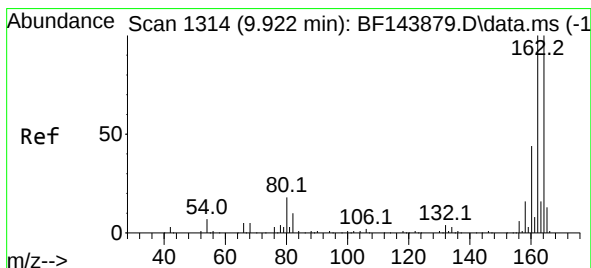
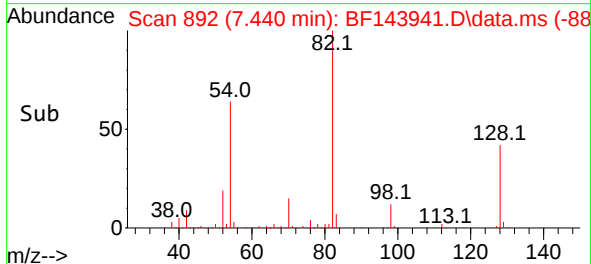
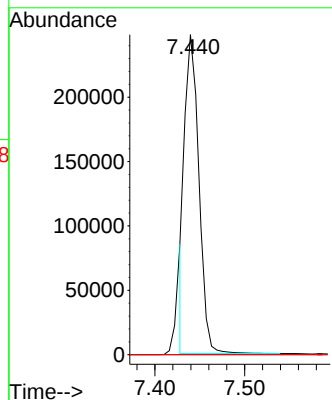
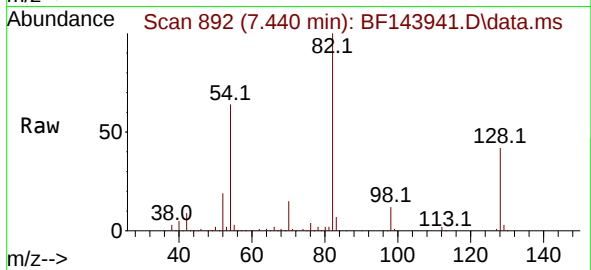




#25
Isophorone
Concen: 19.262 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

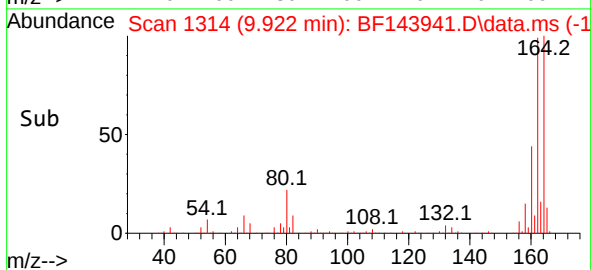
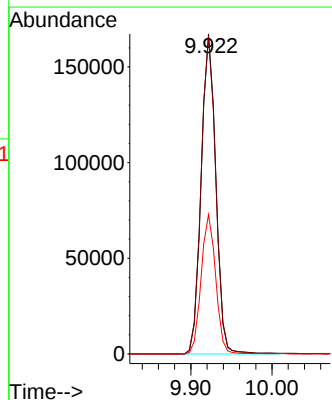
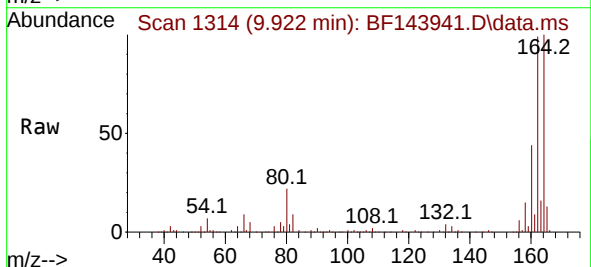
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ClientSampleId :
SED-06-0-2

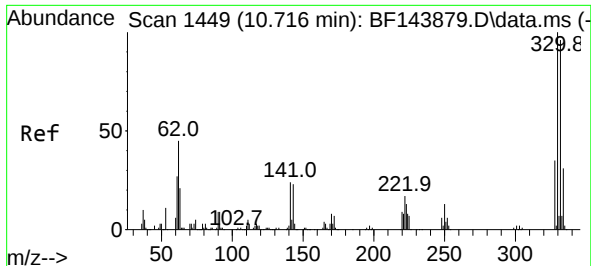
Tgt Ion: 82 Resp: 273734
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: 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

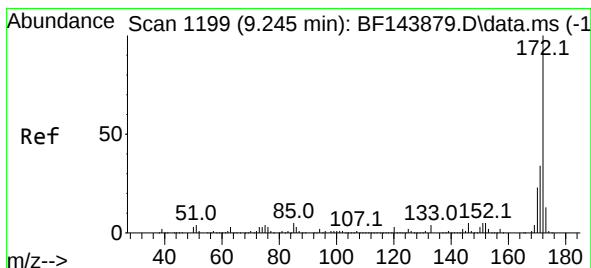
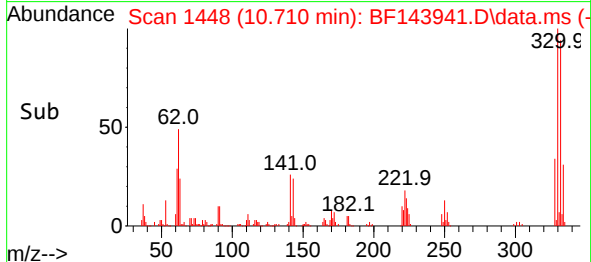
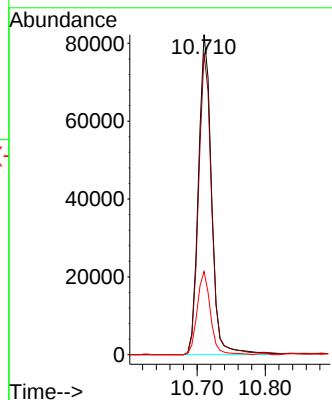
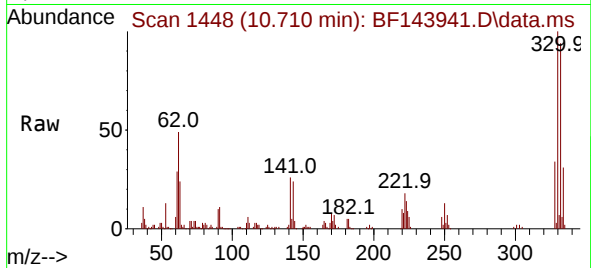




#42
2,4,6-Tribromophenol
Concen: 52.432 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

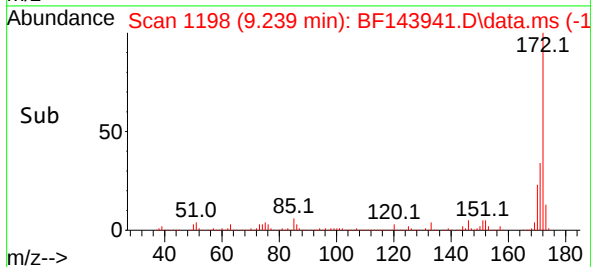
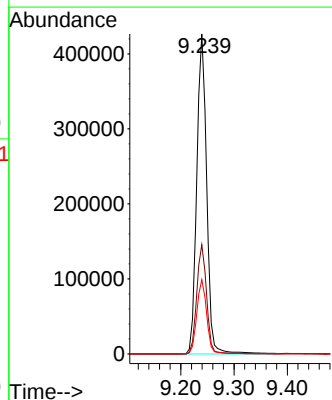
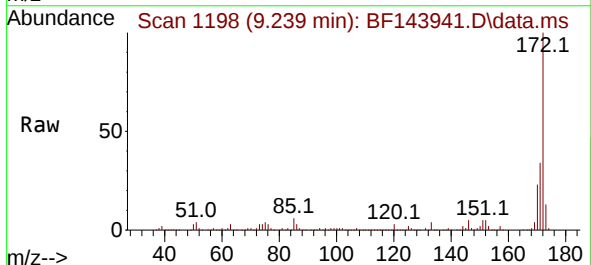
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ClientSampleId :
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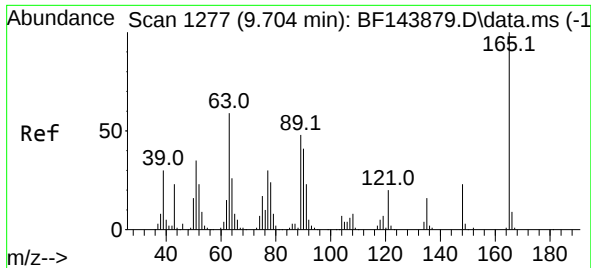
Tgt Ion: 330 Resp: 109595
Ion Ratio Lower Upper
330 100
332 93.7 76.9 115.3
141 26.0 20.2 30.4



#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

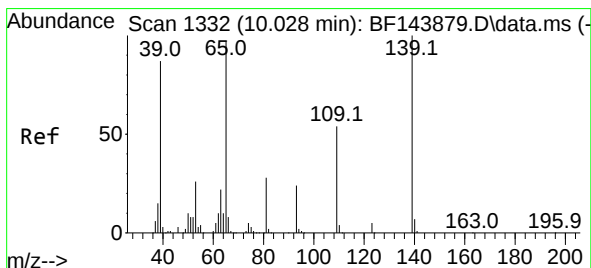
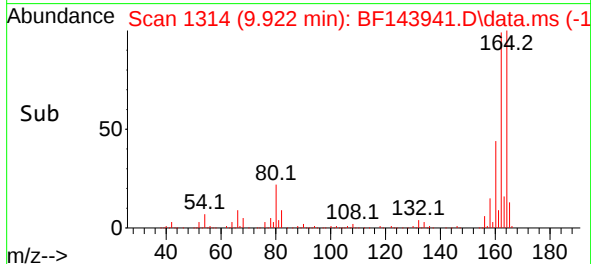
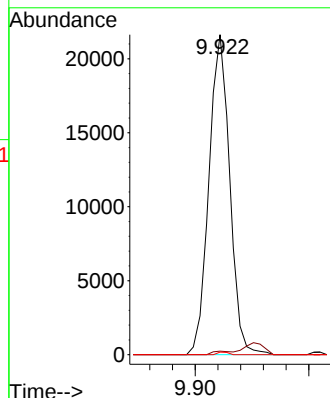
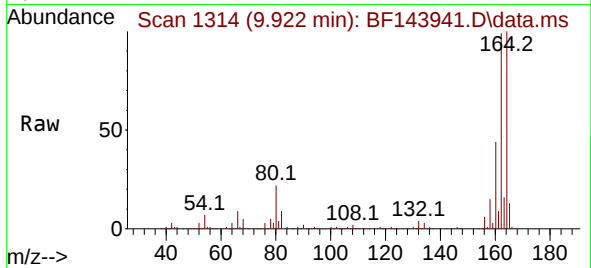




#51
2,6-Dinitrotoluene
Concen: 11.122 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

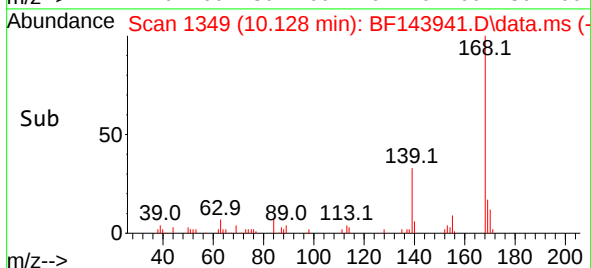
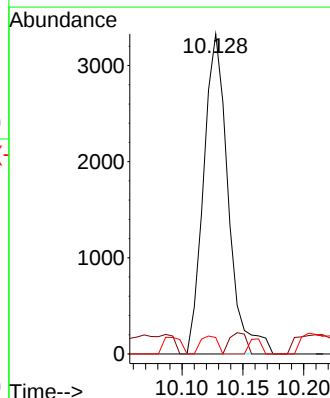
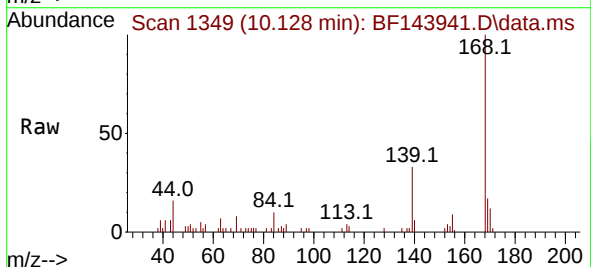
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SED-06-0-2

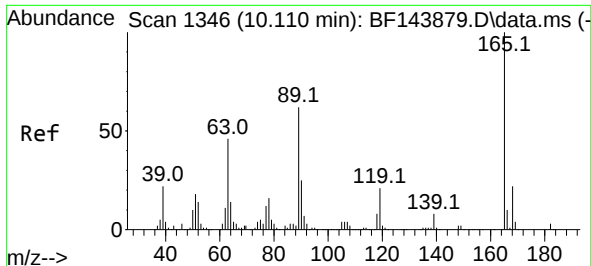
Tgt Ion:165 Resp: 27485
Ion Ratio Lower Upper
165 100
63 1.1 47.3 70.9#
89 0.8 38.2 57.4#



#56
4-Nitrophenol
Concen: 2.044 ng
RT: 10.128 min Scan# 1349
Delta R.T. 0.089 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Tgt Ion:139 Resp: 4682
Ion Ratio Lower Upper
139 100
109 0.0 34.5 74.5#
65 5.1 77.6 117.6#

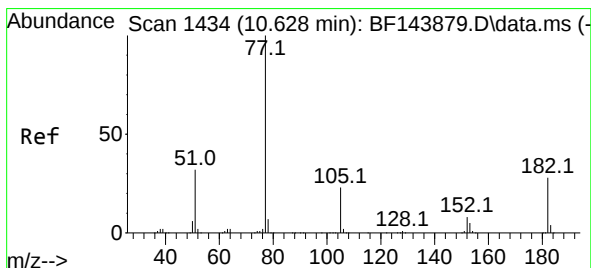
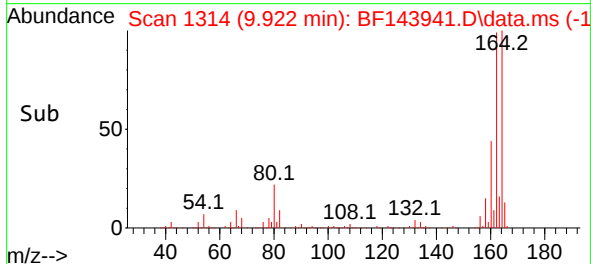
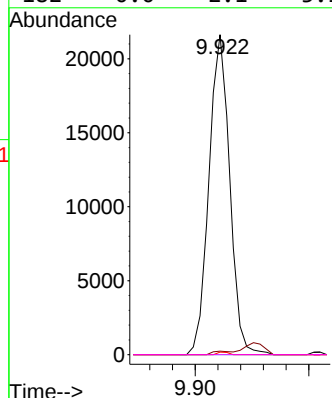
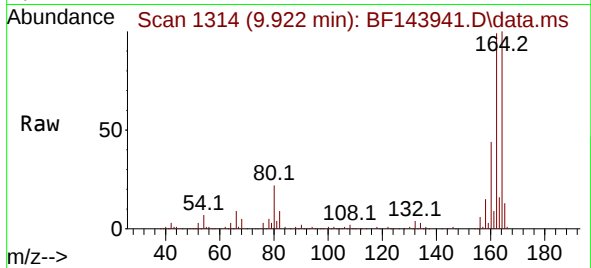




#57
2,4-Dinitrotoluene
Concen: 8.174 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

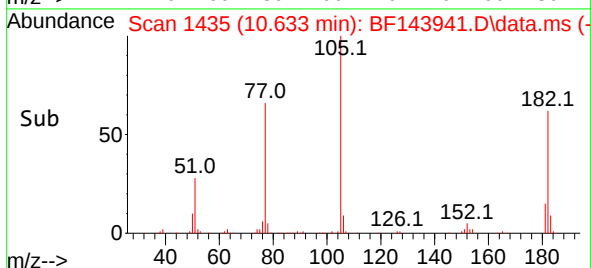
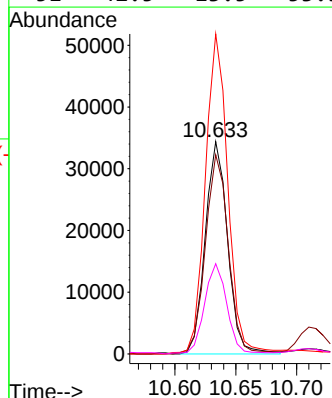
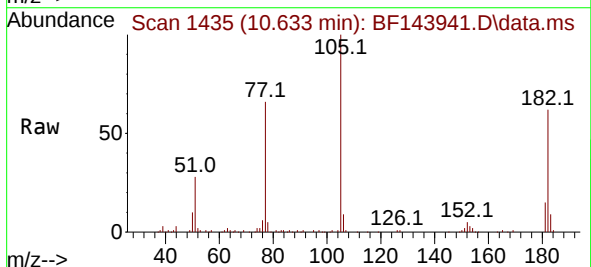
Instrument :
BNA_F
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SED-06-0-2

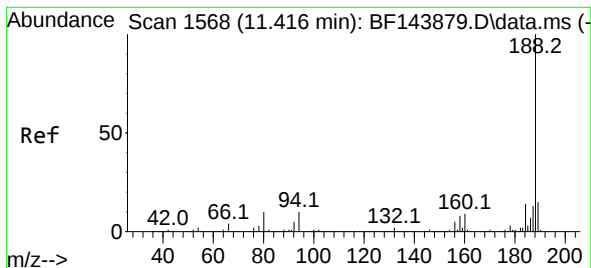
Tgt Ion:165 Resp: 27485
Ion Ratio Lower Upper
165 100
63 1.1 37.2 55.8#
89 0.8 49.4 74.2#
182 0.0 2.1 3.1#



#63
Azobenzene
Concen: 3.409 ng
RT: 10.633 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Tgt Ion: 77 Resp: 44111
Ion Ratio Lower Upper
77 100
182 93.8 7.3 47.3#
105 150.7 3.0 43.0#
51 42.5 13.5 53.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143941.D

Acq: 13 Oct 2025 19:27

Instrument :

BNA_F

ClientSampleId :

SED-06-0-2

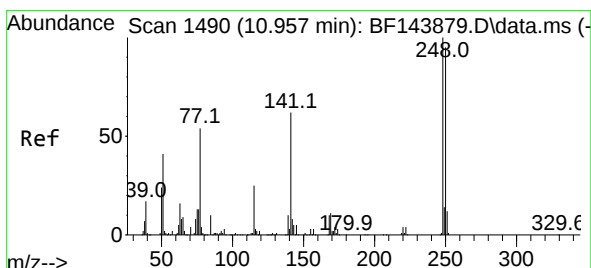
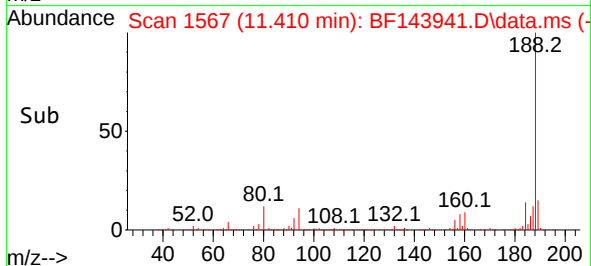
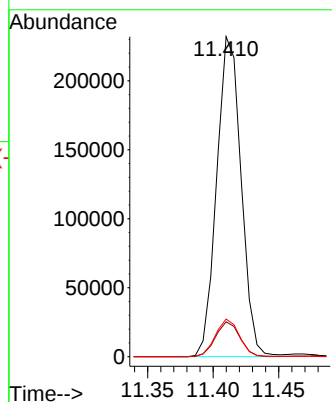
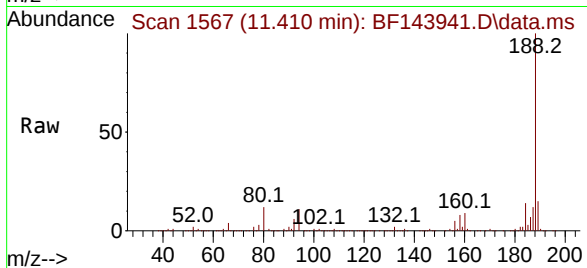
Tgt Ion:188 Resp: 300092

Ion Ratio Lower Upper

188 100

94 10.9 7.8 11.6

80 11.8 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 2.068 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.253 min

Lab File: BF143941.D

Acq: 13 Oct 2025 19:27

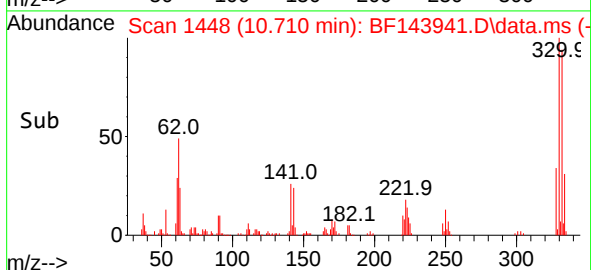
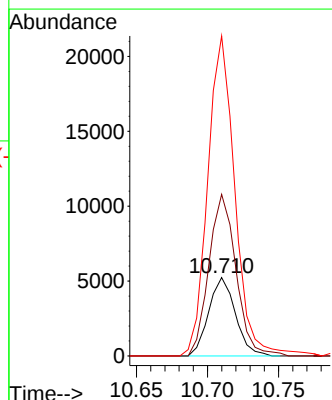
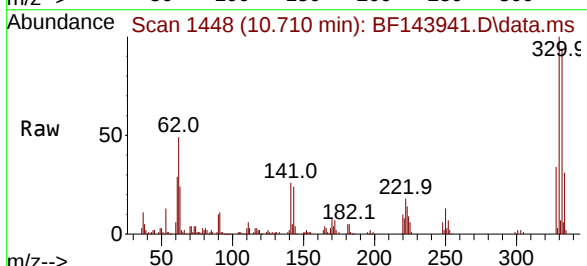
Tgt Ion:248 Resp: 6858

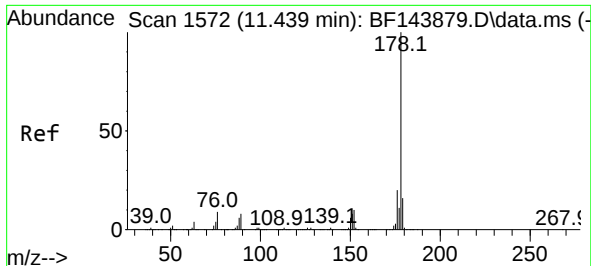
Ion Ratio Lower Upper

248 100

250 206.0 76.3 114.5#

141 407.9 49.7 74.5#

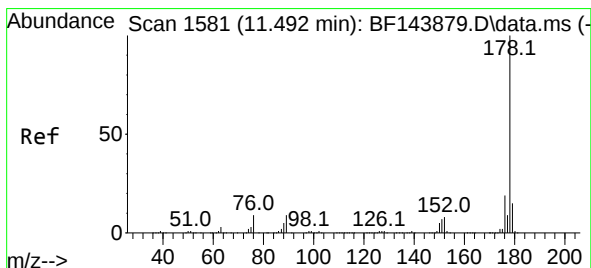
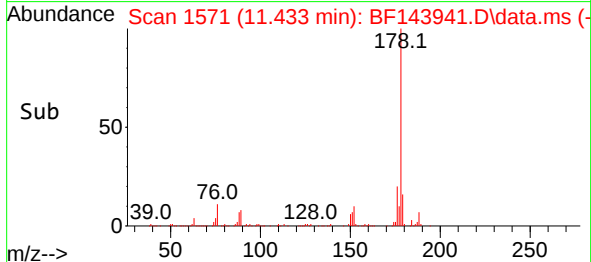
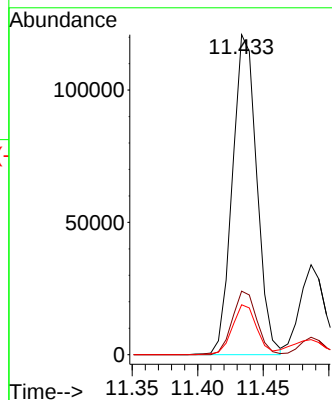
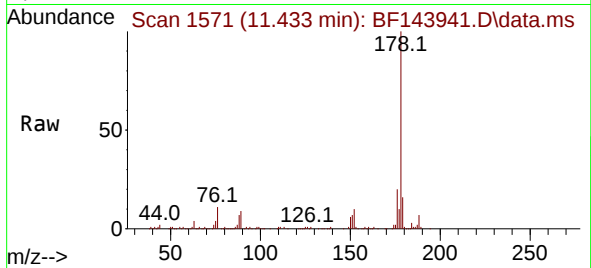




#71
Phenanthrene
Concen: 10.777 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

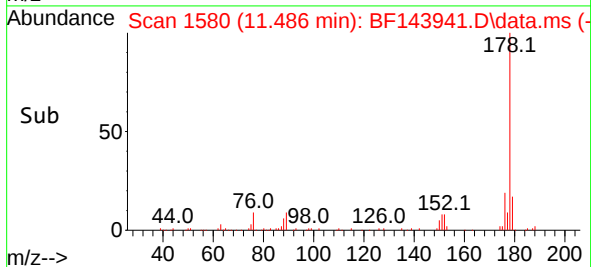
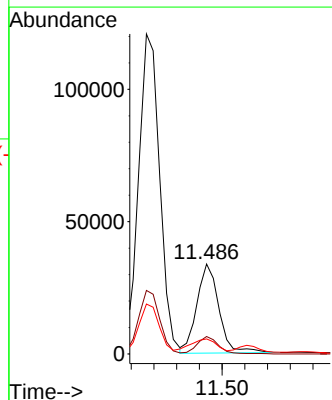
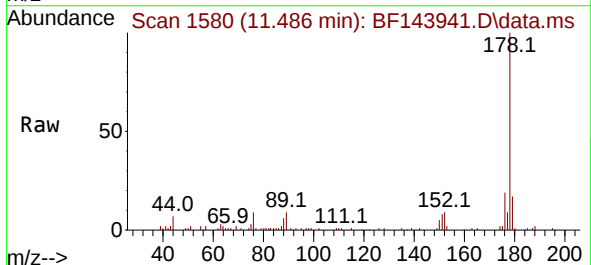
Instrument :
BNA_F
ClientSampleId :
SED-06-0-2

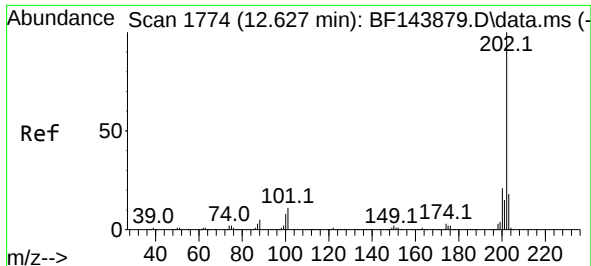
Tgt Ion:178 Resp: 156784
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 15.6 12.4 18.6



#72
Anthracene
Concen: 3.095 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

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

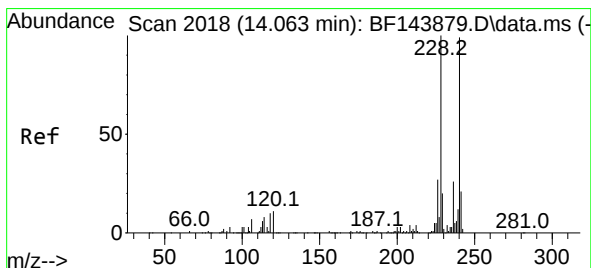
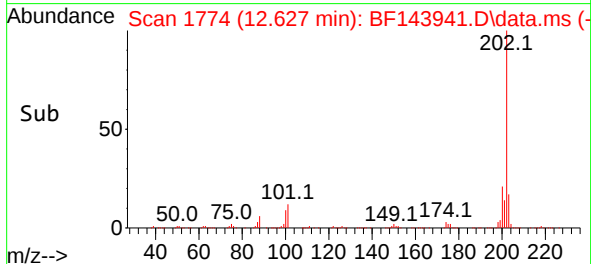
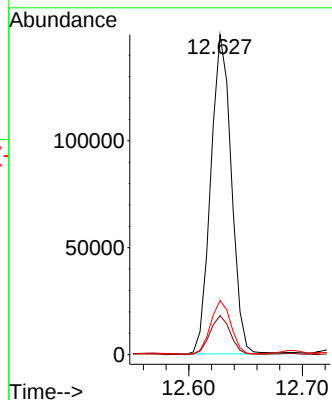
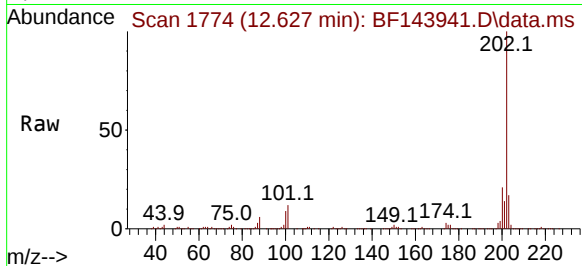




#75
Fluoranthene
Concen: 12.532 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

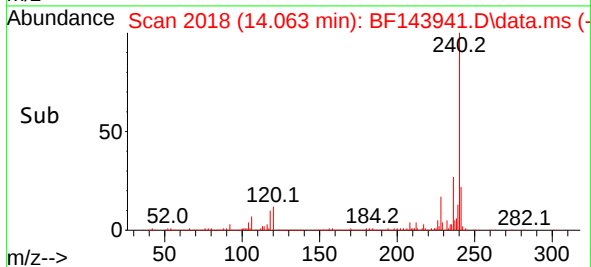
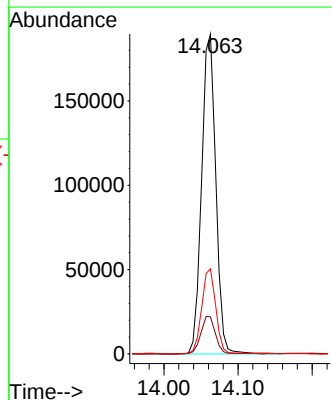
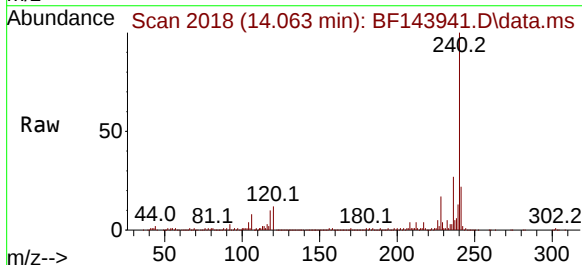
Instrument :
BNA_F
ClientSampleId :
SED-06-0-2

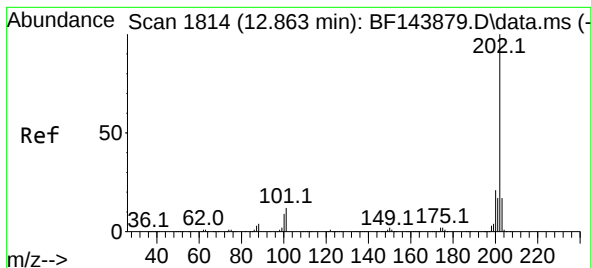
Tgt Ion:202 Resp: 188333
Ion Ratio Lower Upper
202 100
101 12.2 0.0 30.7
203 16.9 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 1818
Delta R.T. -0.005 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

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

Instrument :

BNA_F

ClientSampleId :

SED-06-0-2

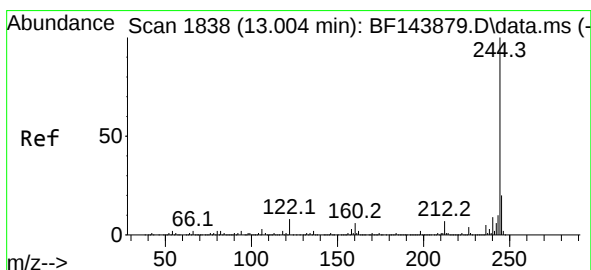
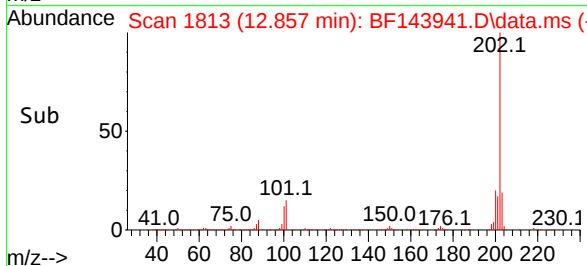
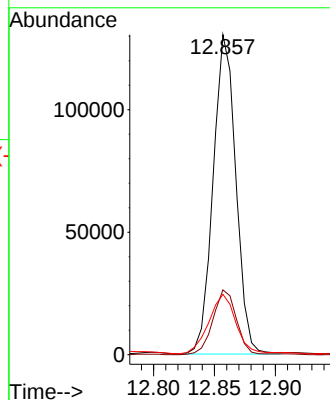
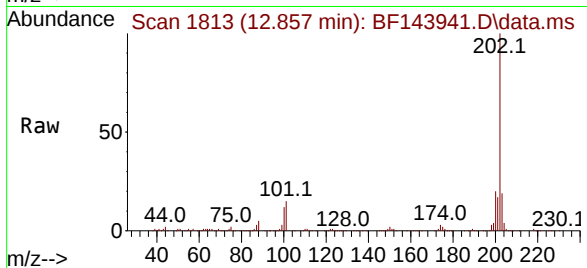
Tgt Ion:202 Resp: 169876

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# 1837

Delta R.T. -0.012 min

Lab File: BF143941.D

Acq: 13 Oct 2025 19:27

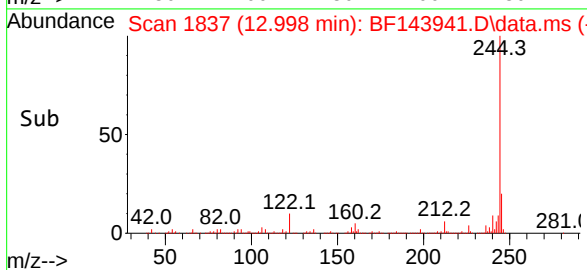
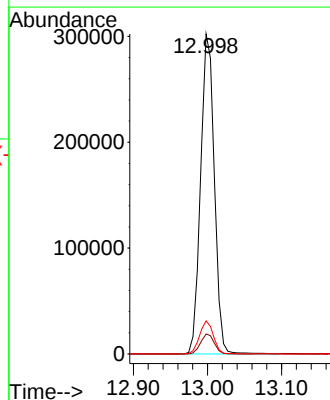
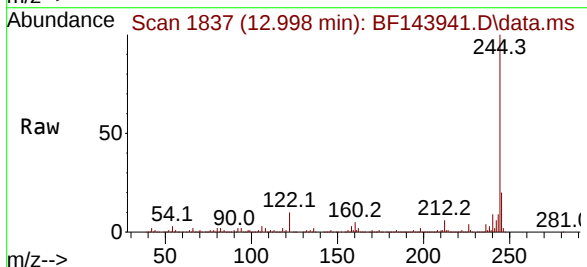
Tgt Ion:244 Resp: 390618

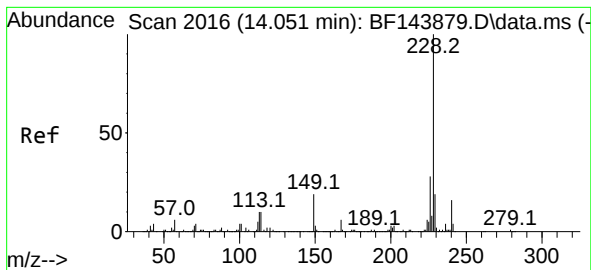
Ion Ratio Lower Upper

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

Instrument :

BNA_F

ClientSampleId :

SED-06-0-2

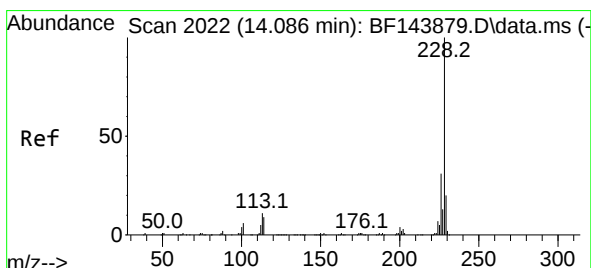
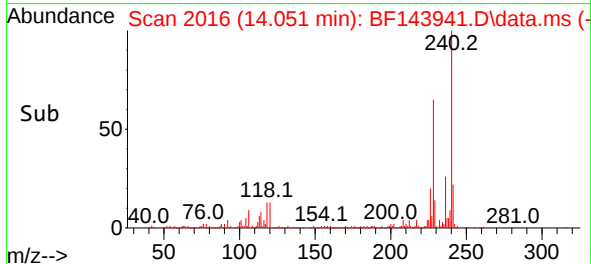
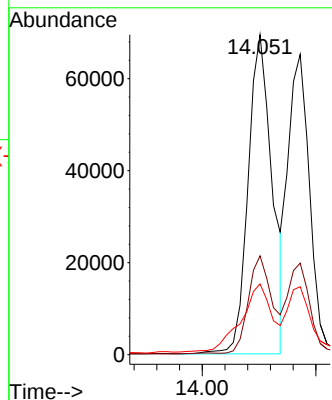
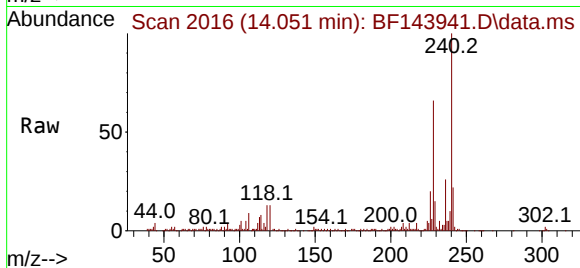
Tgt Ion:228 Resp: 102126

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# 2022

Delta R.T. -0.006 min

Lab File: BF143941.D

Acq: 13 Oct 2025 19:27

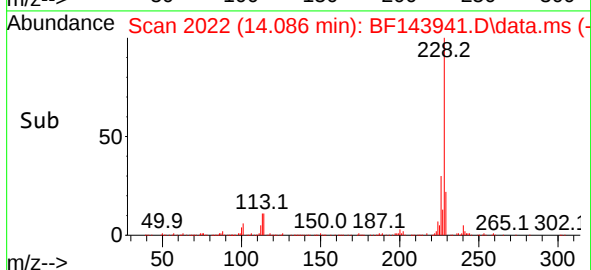
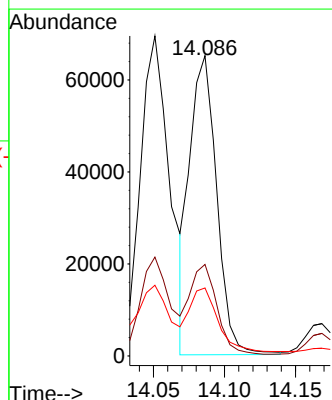
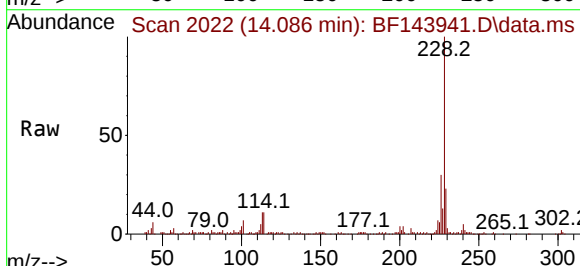
Tgt Ion:228 Resp: 85722

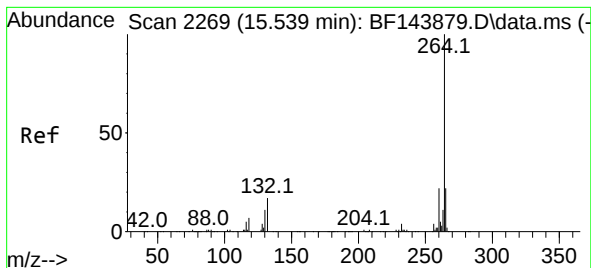
Ion Ratio Lower Upper

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# 21

Delta R.T. 0.000 min

Lab File: BF143941.D

Acq: 13 Oct 2025 19:27

Instrument :

BNA_F

ClientSampleId :

SED-06-0-2

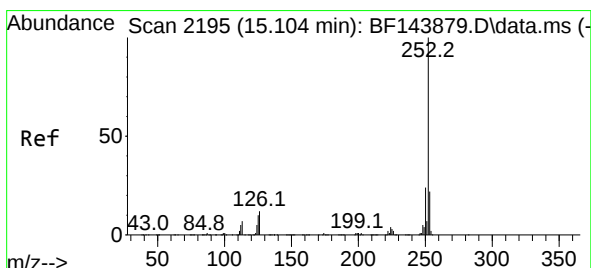
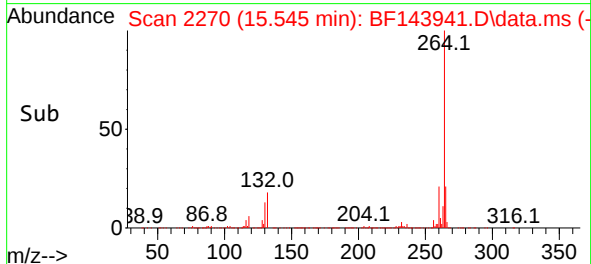
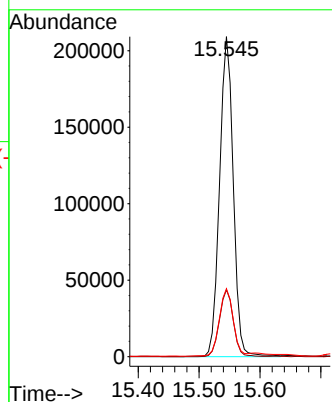
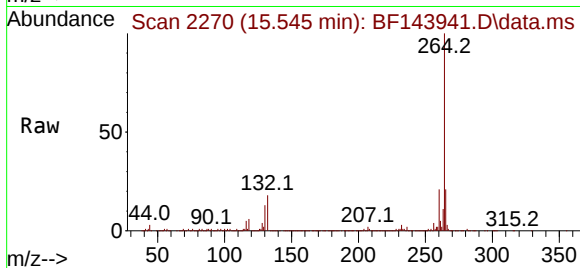
Tgt Ion:264 Resp: 326397

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: 8.239 ng

RT: 15.110 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF143941.D

Acq: 13 Oct 2025 19:27

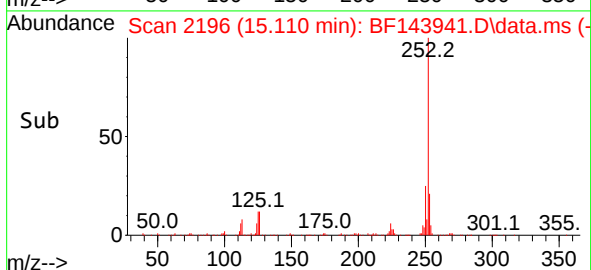
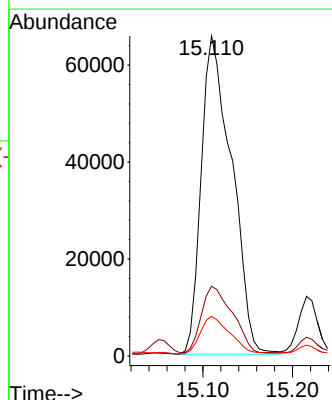
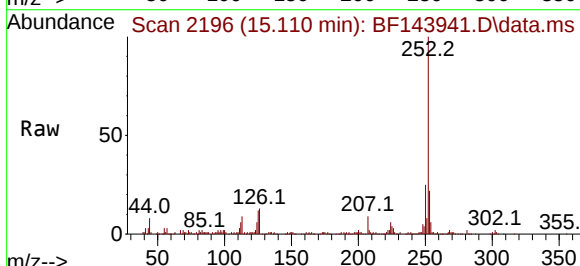
Tgt Ion:252 Resp: 154482

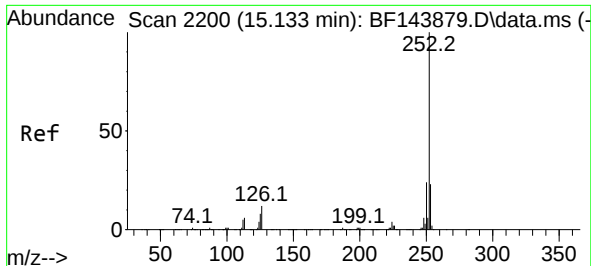
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 12.4 7.8 11.6#





#89

Benzo(k)fluoranthene

Concen: 8.904 ng

RT: 15.110 min Scan# 2196

Delta R.T. -0.035 min

Lab File: BF143941.D

Acq: 13 Oct 2025 19:27

Instrument :

BNA_F

ClientSampleId :

SED-06-0-2

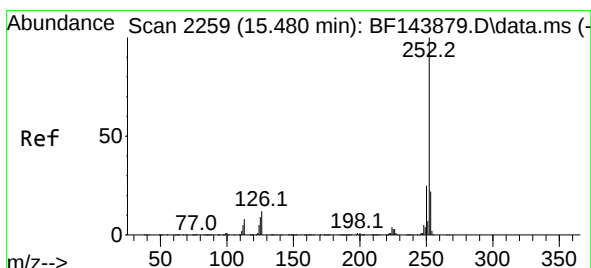
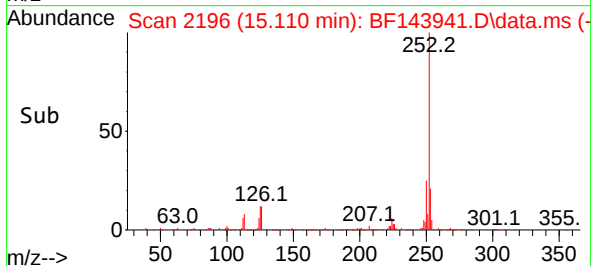
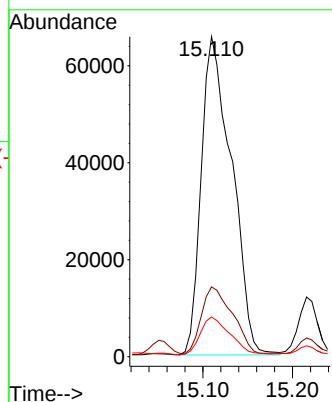
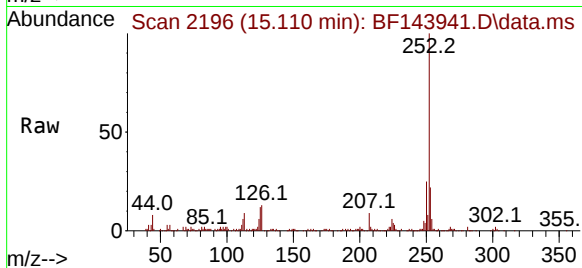
Tgt Ion:252 Resp: 154482

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

125 12.4 7.4 11.2#



#90

Benzo(a)pyrene

Concen: 5.289 ng

RT: 15.480 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF143941.D

Acq: 13 Oct 2025 19:27

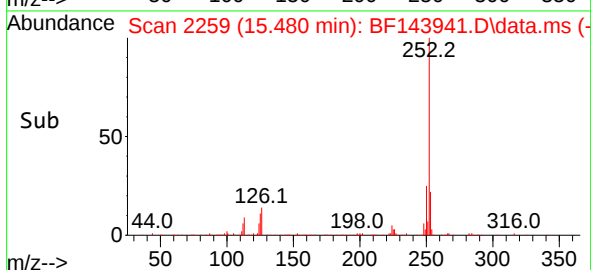
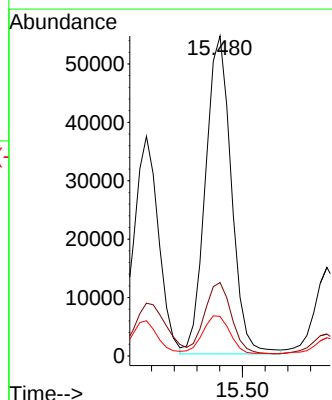
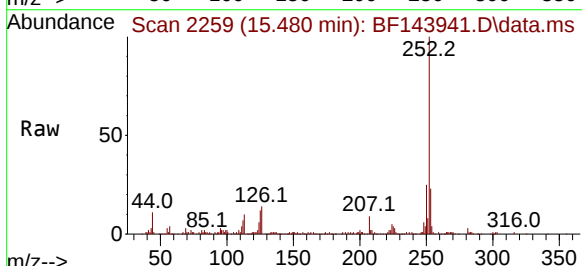
Tgt Ion:252 Resp: 85983

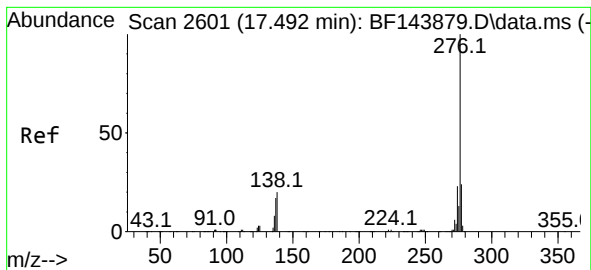
Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

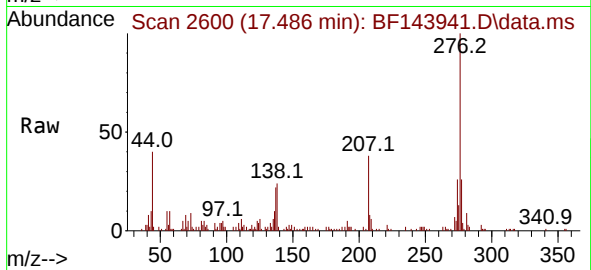
125 12.4 7.0 10.4#





#92
 Benzo(g,h,i)perylene
 Concen: 2.247 ng
 RT: 17.486 min Scan# 20
 Delta R.T. -0.029 min
 Lab File: BF143941.D
 Acq: 13 Oct 2025 19:27

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



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

