

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100225\
 Data File : BF143867.D
 Acq On : 02 Oct 2025 21:06
 Operator : RC/JU
 Sample : Q3262-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 01:29:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 2025
 Response via : Initial Calibration

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

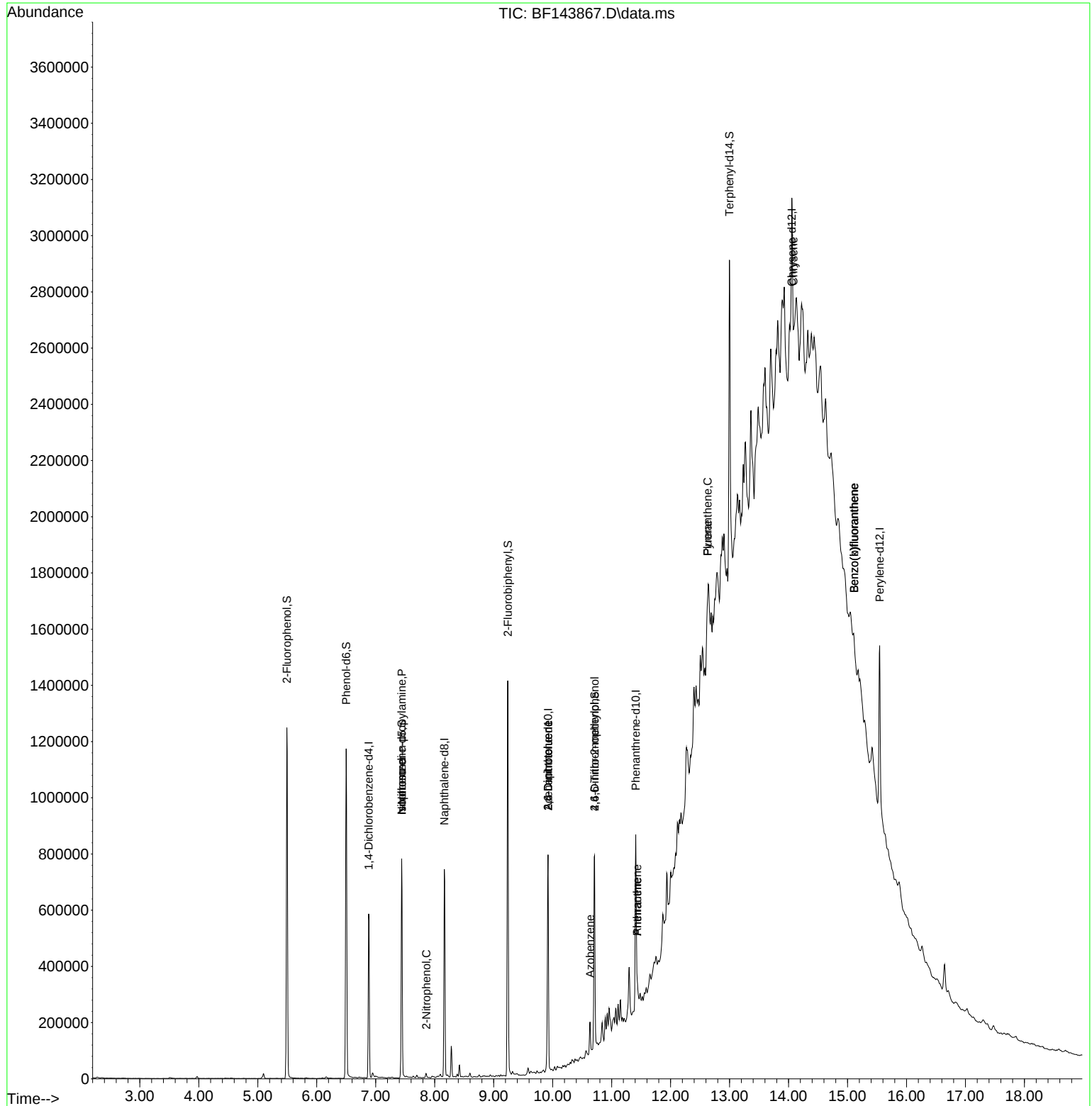
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	122370	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	449131	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	230198	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	331659	20.000	ng	0.00
76) Chrysene-d12	14.057	240	305758	20.000	ng	0.00
86) Perylene-d12	15.545	264	440001	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	447855	59.461	ng	0.00
7) Phenol-d6	6.498	99	532075	61.140	ng	-0.01
23) Nitrobenzene-d5	7.440	82	319432	43.535	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	128153	37.599	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	640616	43.427	ng	0.00
79) Terphenyl-d14	12.998	244	567145	37.724	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	44305	7.917	ng	# 69
25) Isophorone	7.440	82	313854	21.951	ng	# 66
26) 2-Nitrophenol	7.857	139	236	2.780	ng	# 25
51) 2,6-Dinitrotoluene	9.922	165	30606	13.277	ng	# 17
57) 2,4-Dinitrotoluene	9.922	165	30607	11.321	ng	# 20
63) Azobenzene	10.634	77	29536	2.134	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.710	198	206	4.355	ng	# 1
71) Phenanthrene	11.433	178	45394	2.666	ng	97
72) Anthracene	11.433	178	45394	2.658	ng	97
75) Fluoranthene	12.628	202	93719	5.472	ng	96
78) Pyrene	12.628	202	93765	6.238	ng	97
83) Chrysene	14.080	228	38328	2.579	ng	# 94
88) Benzo(b)fluoranthene	15.110	252	63038	2.813	ng	# 40
89) Benzo(k)fluoranthene	15.110	252	63038	2.800	ng	# 39

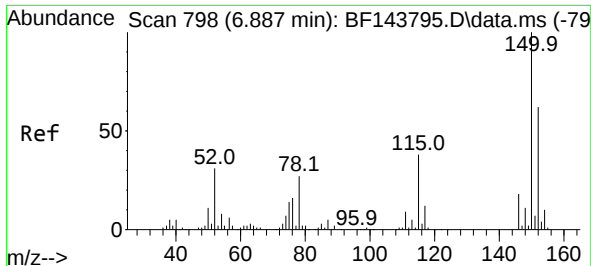
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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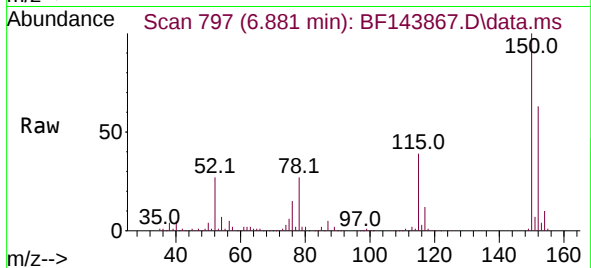
Quant Time: Oct 03 01:29:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
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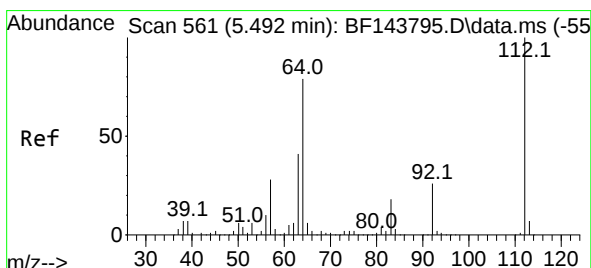
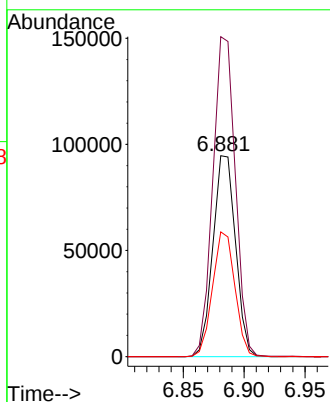
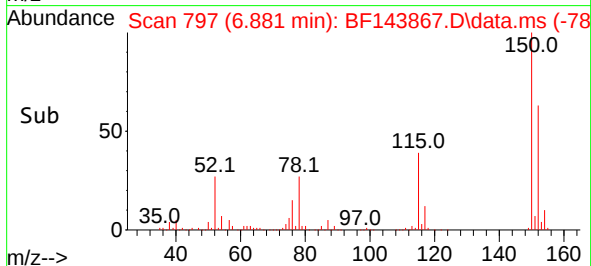


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 798
Delta R.T. -0.006 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06

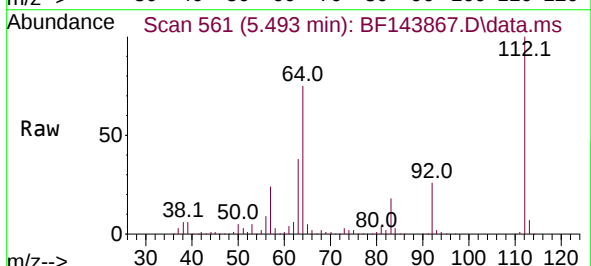
Instrument :
BNA_F
ClientSampleId :



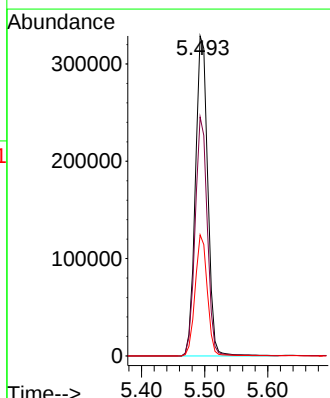
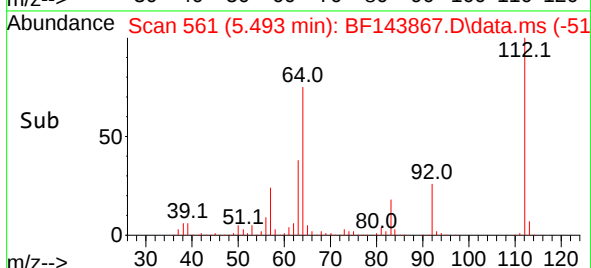
Tgt Ion:152 Resp: 122370
Ion Ratio Lower Upper
152 100
150 159.3 129.6 194.4
115 62.1 49.0 73.4



#5
2-Fluorophenol
Concen: 59.461 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.005 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06



Tgt Ion:112 Resp: 447855
Ion Ratio Lower Upper
112 100
64 74.7 63.0 94.4
63 37.8 32.6 49.0

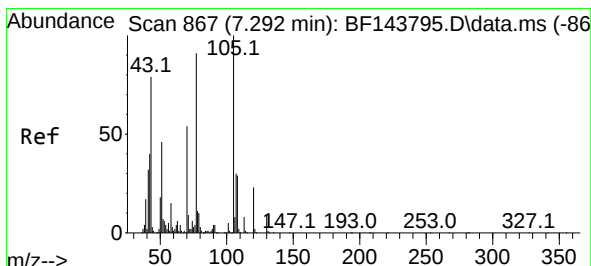
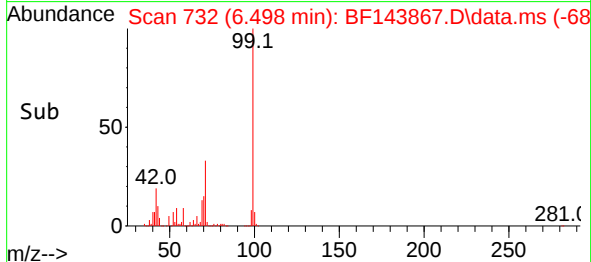
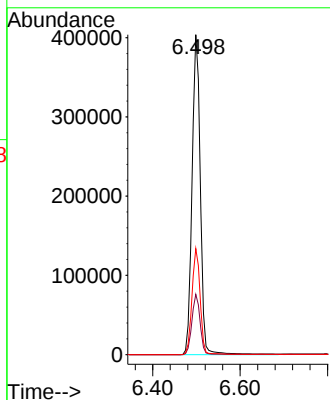
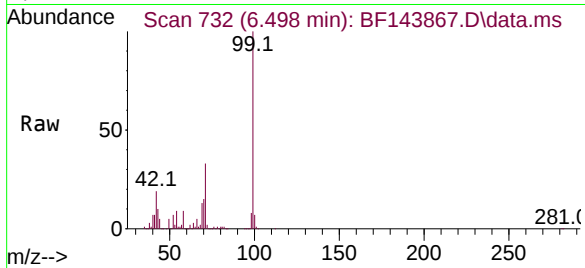




#7
Phenol-d6
Concen: 61.140 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.011 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06

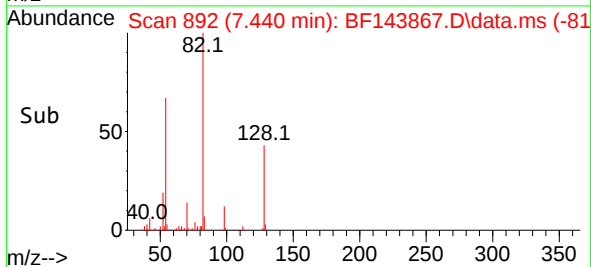
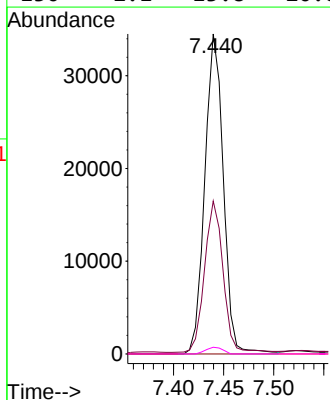
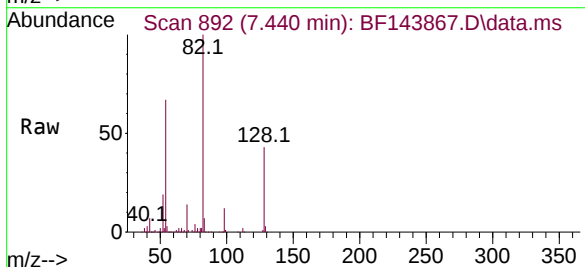
Instrument :
BNA_F
ClientSampleId :

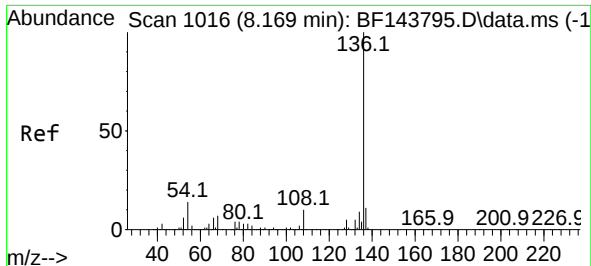
Tgt Ion: 99 Resp: 532075
Ion Ratio Lower Upper
99 100
42 18.8 18.6 28.0
71 33.1 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 7.917 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06

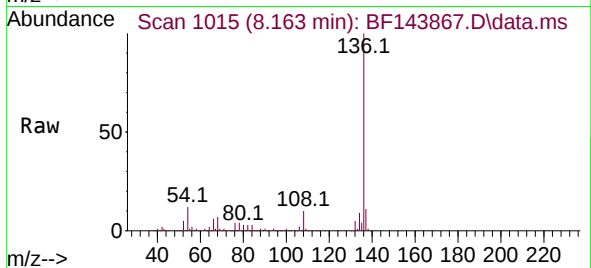
Tgt Ion: 70 Resp: 44305
Ion Ratio Lower Upper
70 100
42 47.8 59.4 89.0#
101 0.0 7.1 10.7#
130 2.1 13.8 20.8#



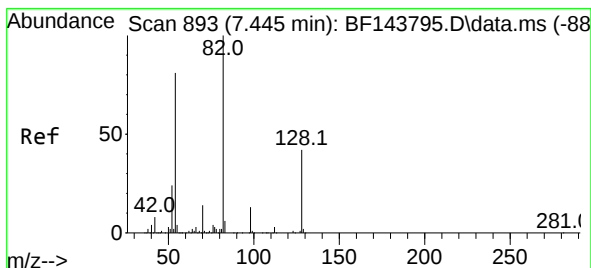
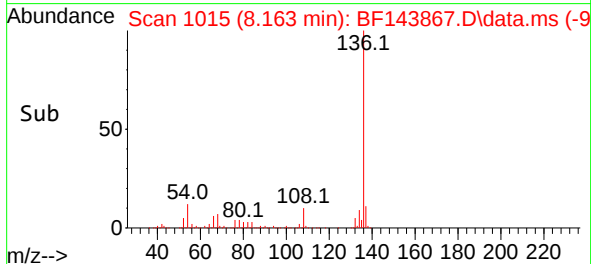
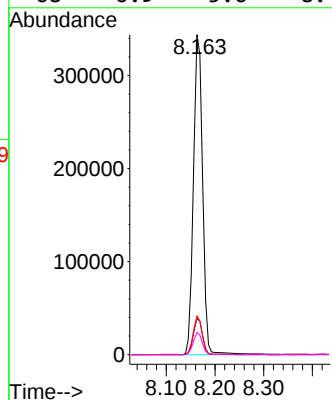


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06

Instrument :
BNA_F
ClientSampleId :

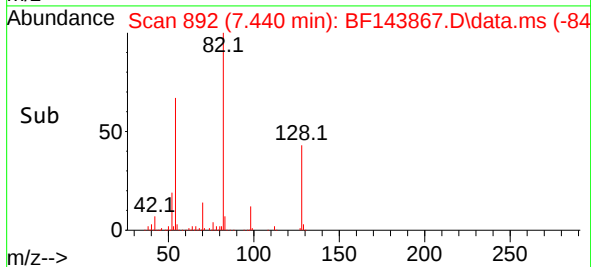
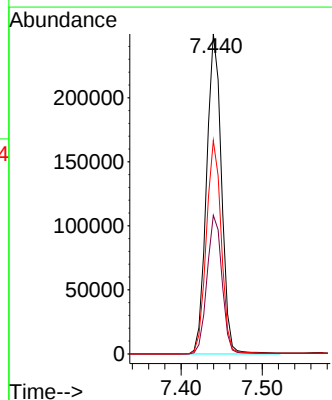
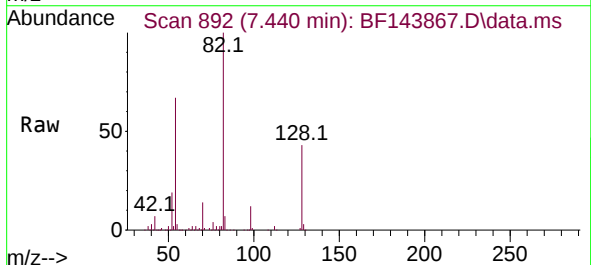


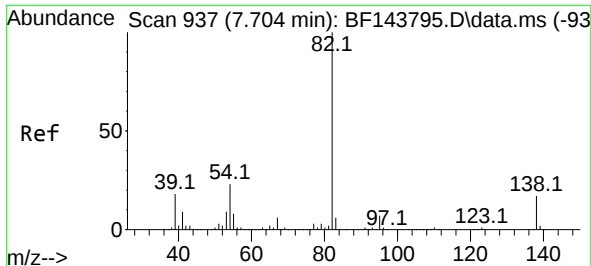
Tgt Ion:136 Resp: 449131
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 12.0 11.2 16.8
68 6.9 5.6 8.4



#23
Nitrobenzene-d5
Concen: 43.535 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.011 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06

Tgt Ion: 82 Resp: 319432
Ion Ratio Lower Upper
82 100
128 43.3 33.3 49.9
54 66.7 64.2 96.4

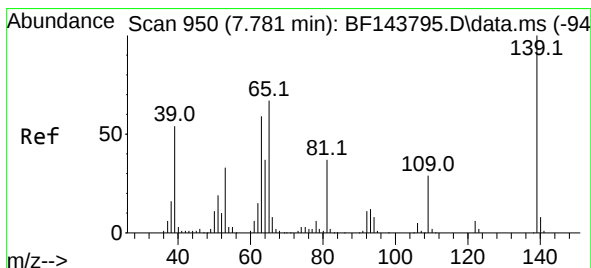
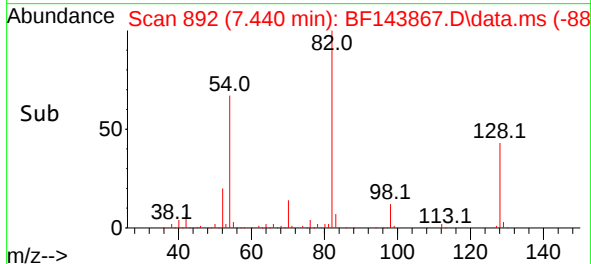
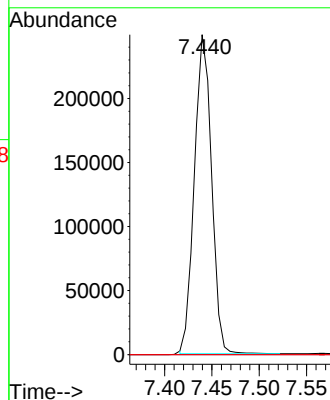
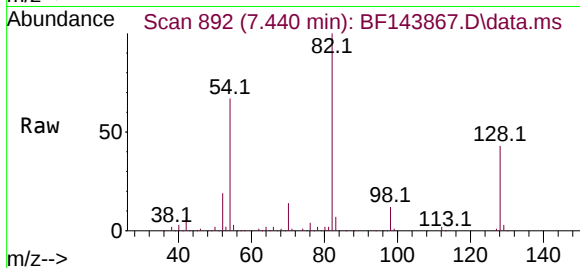




#25
Isophorone
Concen: 21.951 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06

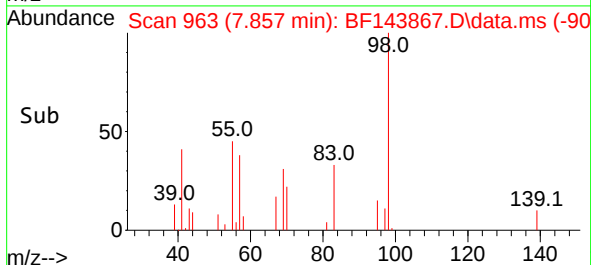
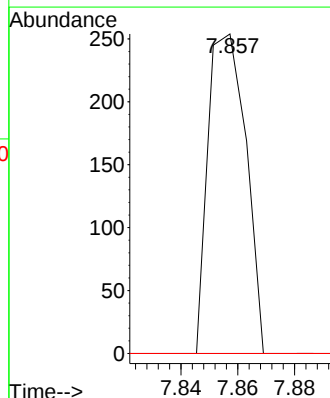
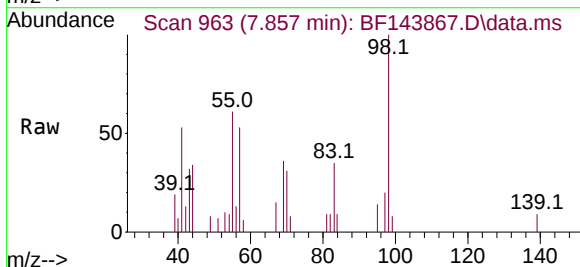
Instrument :
BNA_F
ClientSampleId :

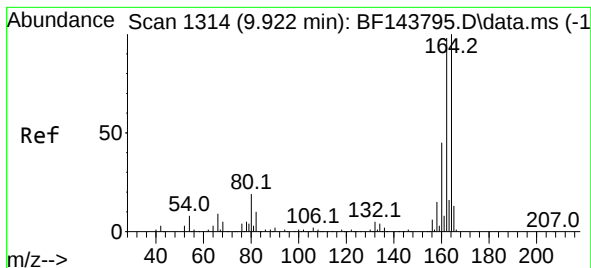
Tgt Ion: 82 Resp: 313854
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 13.7 20.5#



#26
2-Nitrophenol
Concen: 2.780 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.071 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06

Tgt Ion: 139 Resp: 236
Ion Ratio Lower Upper
139 100
109 0.0 23.3 34.9#
65 0.0 53.8 80.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.006 min

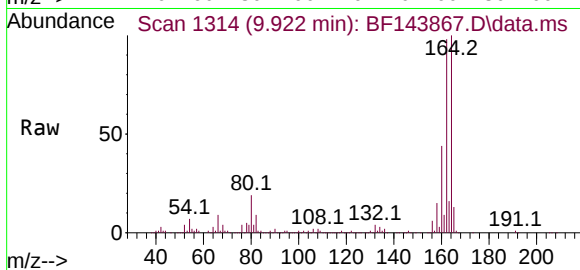
Lab File: BF143867.D

Acq: 02 Oct 2025 21:06

Instrument :

BNA_F

ClientSampleId :



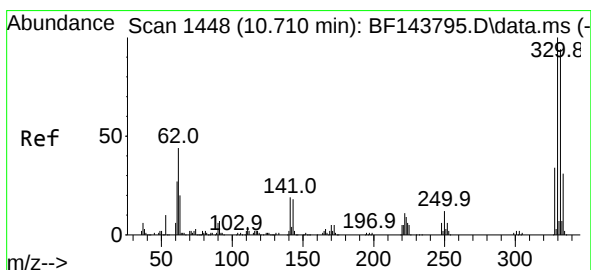
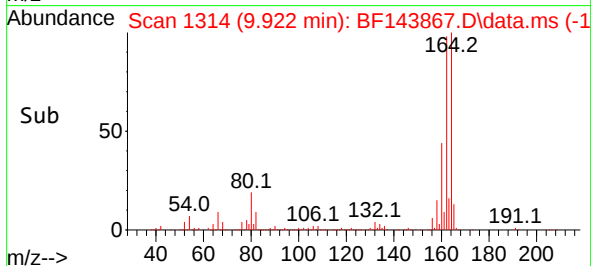
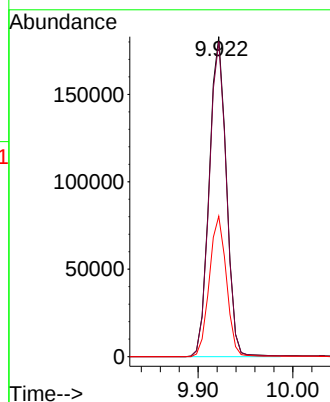
Tgt Ion:164 Resp: 230198

Ion Ratio Lower Upper

164 100

162 98.4 78.8 118.2

160 43.9 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 37.599 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF143867.D

Acq: 02 Oct 2025 21:06

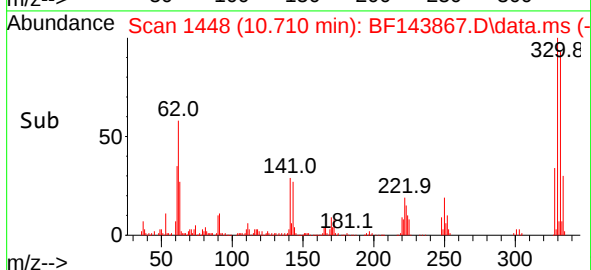
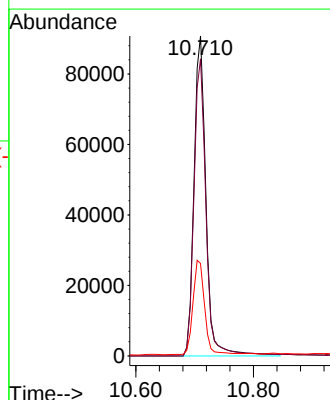
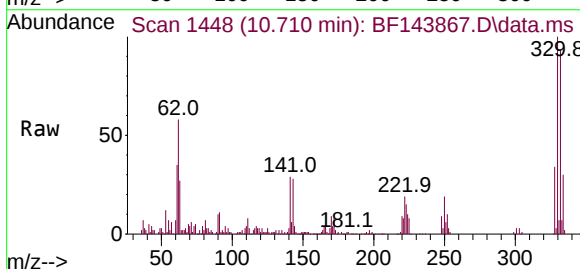
Tgt Ion:330 Resp: 128153

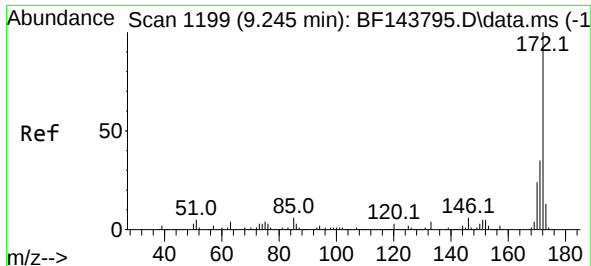
Ion Ratio Lower Upper

330 100

332 93.4 74.7 112.1

141 28.7 14.3 21.5#





#45

2-Fluorobiphenyl

Concen: 43.427 ng

RT: 9.239 min Scan# 1199

Delta R.T. -0.005 min

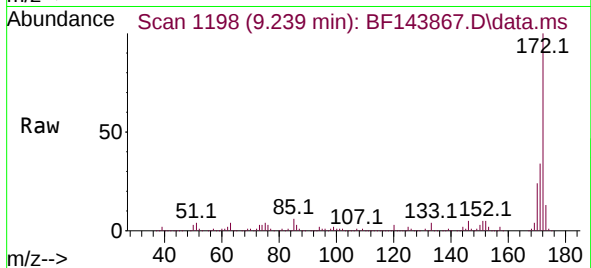
Lab File: BF143867.D

Acq: 02 Oct 2025 21:06

Instrument :

BNA_F

ClientSampleId :



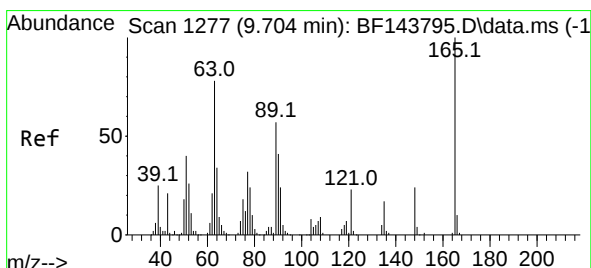
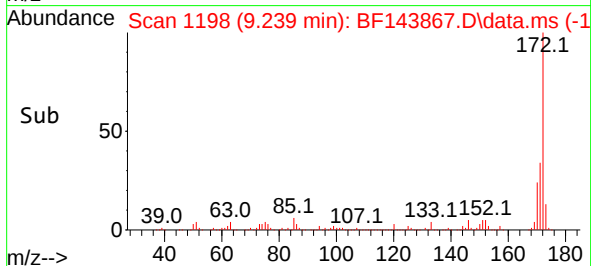
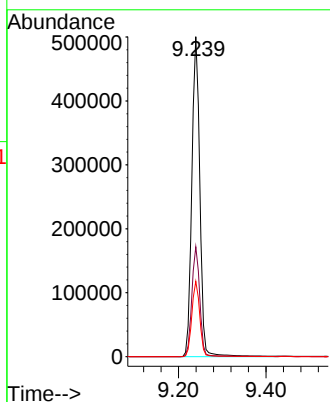
Tgt Ion:172 Resp: 640616

Ion Ratio Lower Upper

172 100

171 34.3 27.9 41.9

170 23.5 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 13.277 ng

RT: 9.922 min Scan# 1314

Delta R.T. 0.218 min

Lab File: BF143867.D

Acq: 02 Oct 2025 21:06

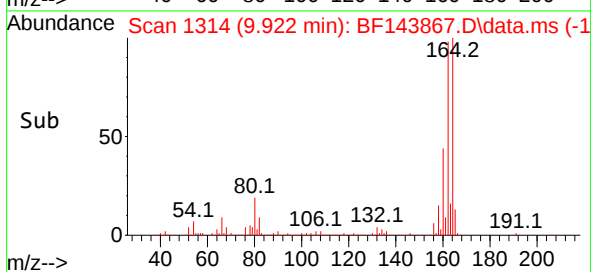
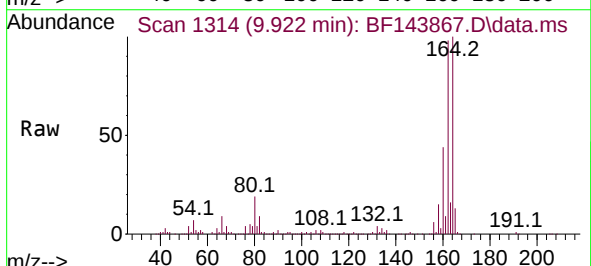
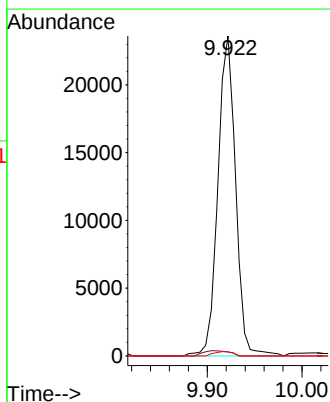
Tgt Ion:165 Resp: 30606

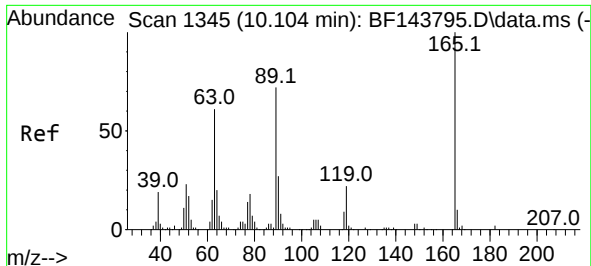
Ion Ratio Lower Upper

165 100

63 1.2 62.6 94.0#

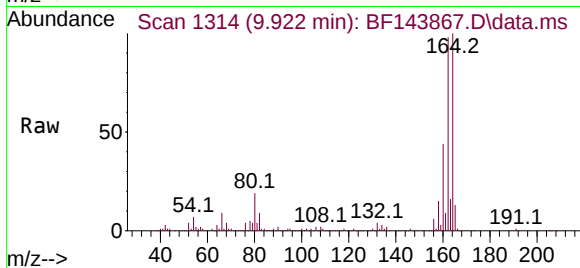
89 1.3 45.2 67.8#



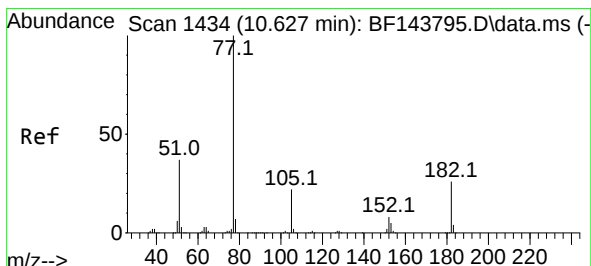
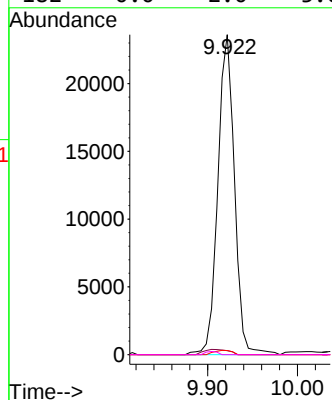
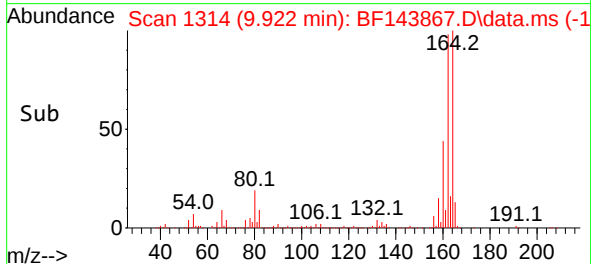


#57
2,4-Dinitrotoluene
Concen: 11.321 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.188 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06

Instrument :
BNA_F
ClientSampleId :

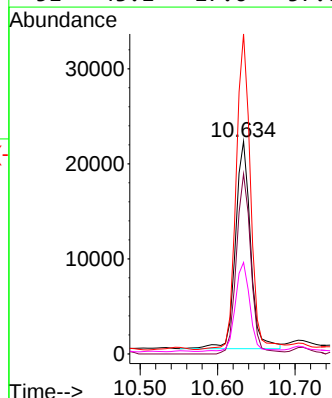
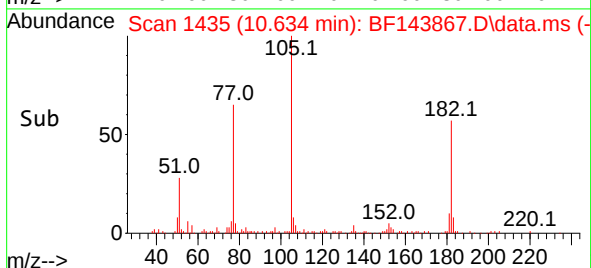
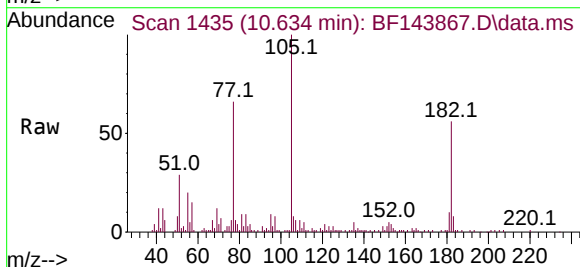


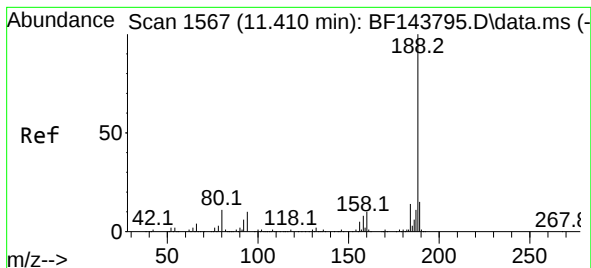
Tgt Ion:165 Resp: 30607
Ion Ratio Lower Upper
165 100
63 1.2 48.9 73.3#
89 1.3 57.5 86.3#
182 0.0 2.0 3.0#



#63
Azobenzene
Concen: 2.134 ng
RT: 10.634 min Scan# 1435
Delta R.T. 0.006 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06

Tgt Ion: 77 Resp: 29536
Ion Ratio Lower Upper
77 100
182 84.7 5.9 45.9#
105 150.6 2.3 42.3#
51 43.1 17.6 57.6

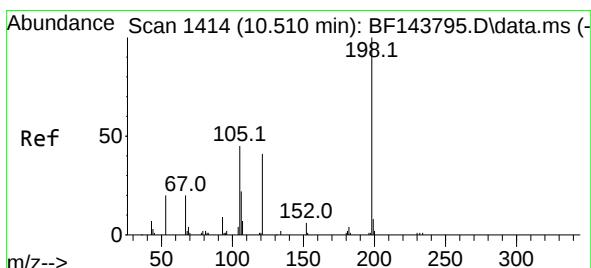
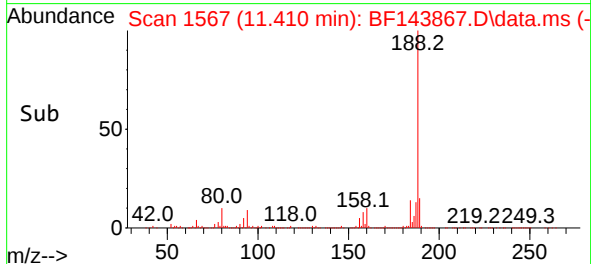
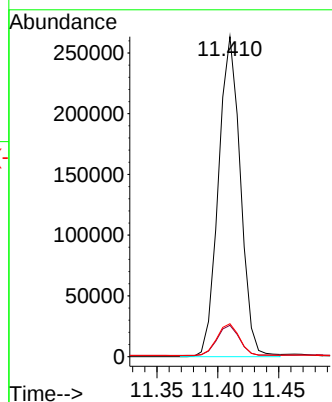
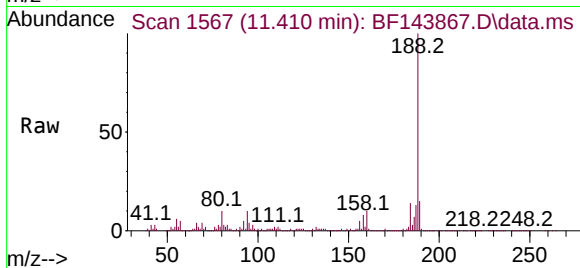




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06

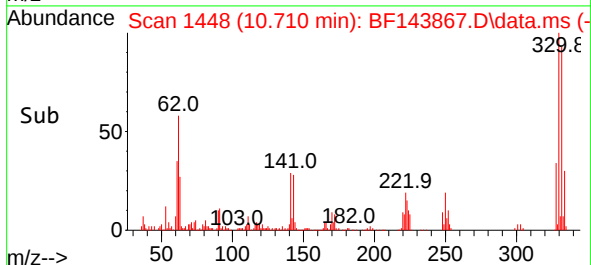
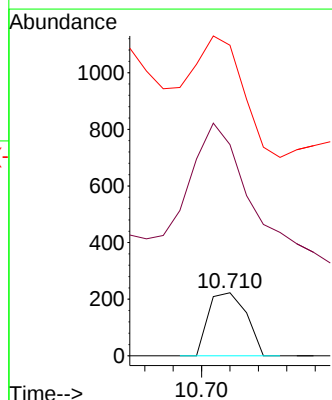
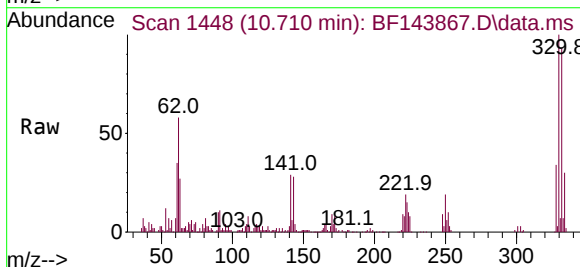
Instrument :
BNA_F
ClientSampleId :

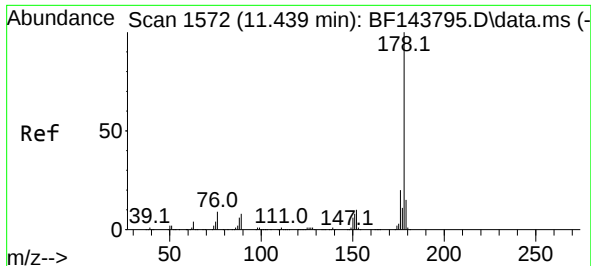
Tgt Ion:188 Resp: 331659
Ion Ratio Lower Upper
188 100
94 9.8 8.2 12.2
80 10.3 8.6 12.8



#65
4,6-Dinitro-2-methylphenol
Concen: 4.355 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.194 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06

Tgt Ion:198 Resp: 206
Ion Ratio Lower Upper
198 100
51 334.5 52.0 92.0#
105 491.9 27.5 67.5#

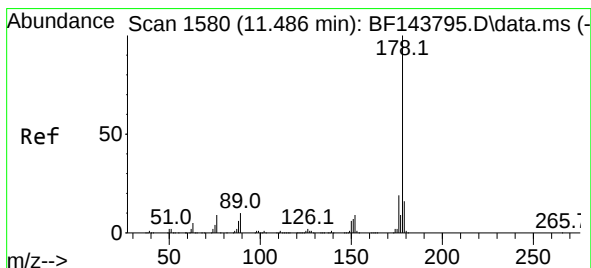
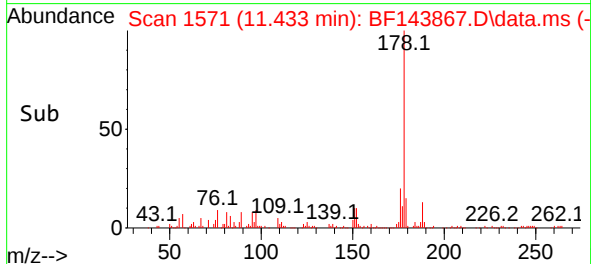
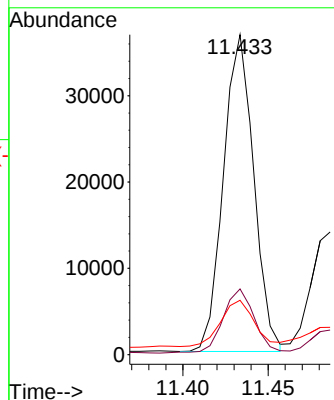
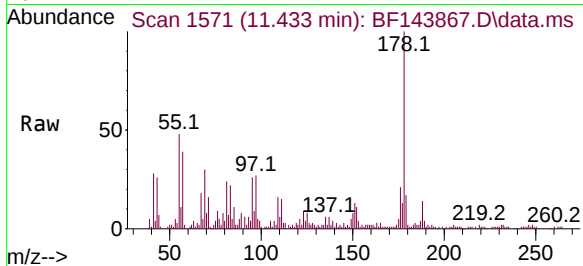




#71
Phenanthrene
Concen: 2.666 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06

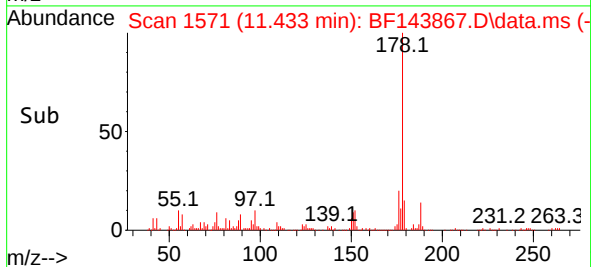
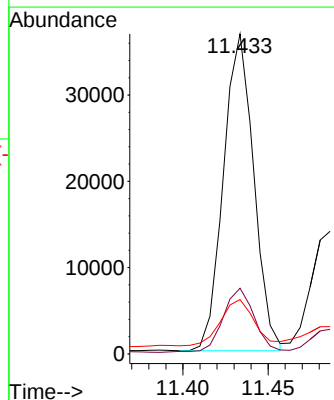
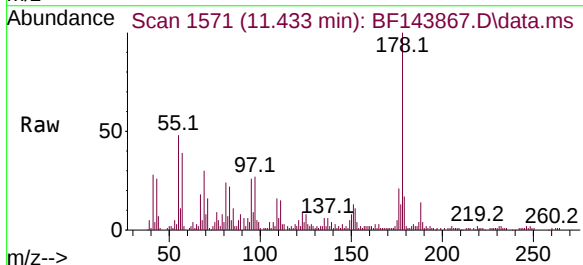
Instrument :
BNA_F
ClientSampleId :

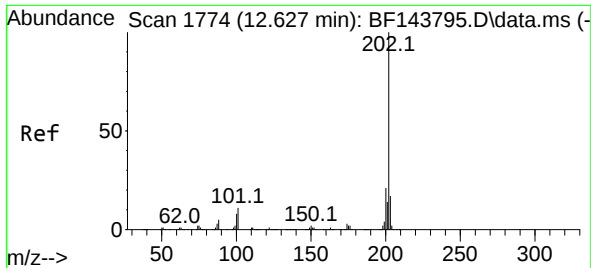
Tgt Ion:178 Resp: 45394
Ion Ratio Lower Upper
178 100
176 20.5 15.6 23.4
179 17.0 12.2 18.4



#72
Anthracene
Concen: 2.658 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.059 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06

Tgt Ion:178 Resp: 45394
Ion Ratio Lower Upper
178 100
176 20.5 15.3 22.9
179 17.0 12.8 19.2

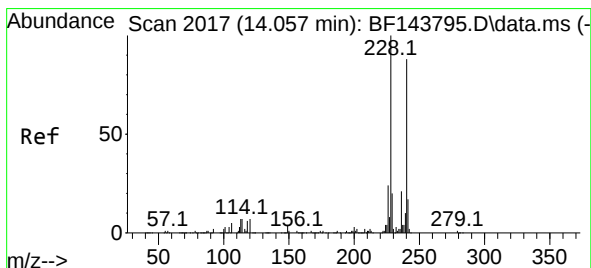
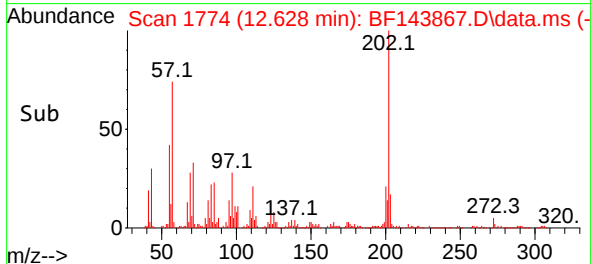
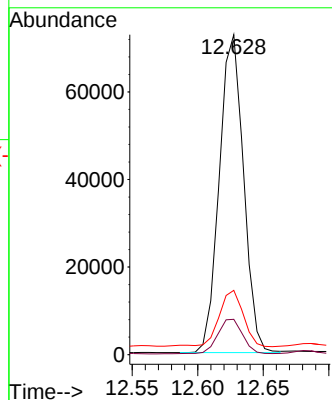
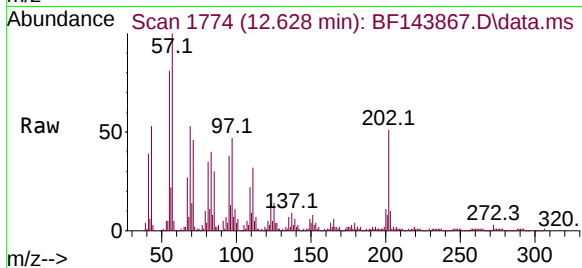




#75
Fluoranthene
Concen: 5.472 ng
RT: 12.628 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06

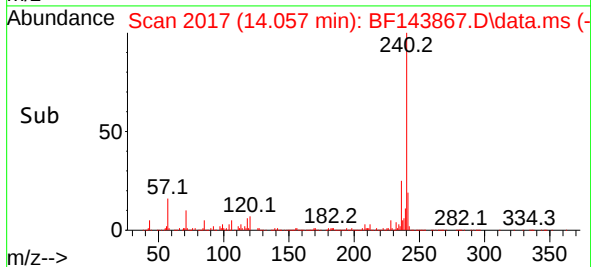
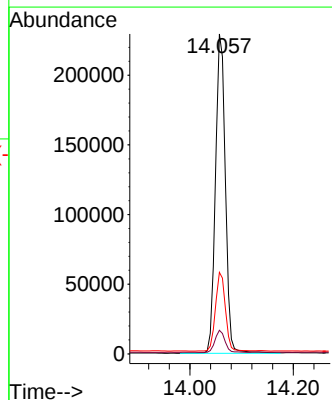
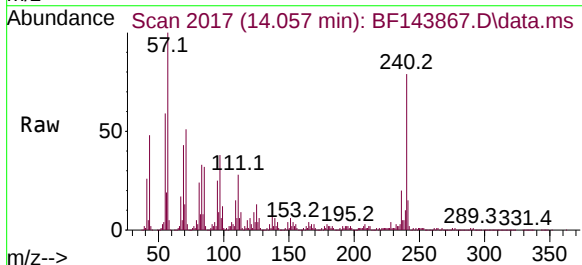
Instrument :
BNA_F
ClientSampleId :

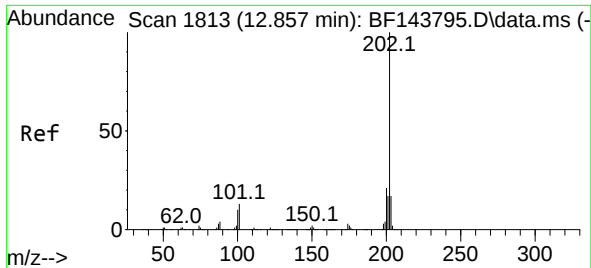
Tgt Ion:202 Resp: 93719
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.1
203 20.1 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06

Tgt Ion:240 Resp: 305758
Ion Ratio Lower Upper
240 100
120 7.4 6.2 9.4
236 25.5 19.4 29.2

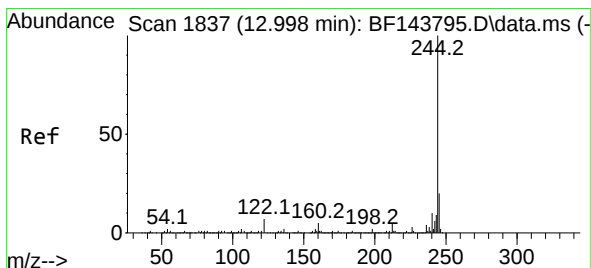
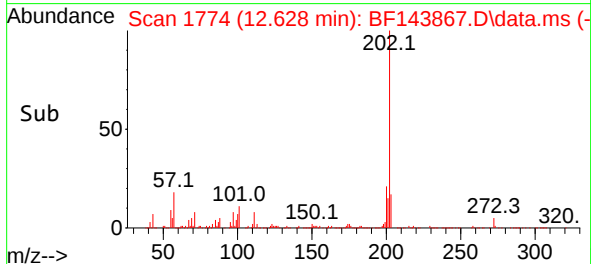
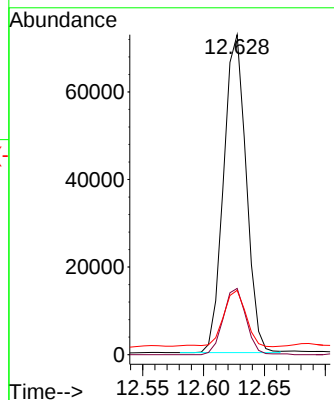
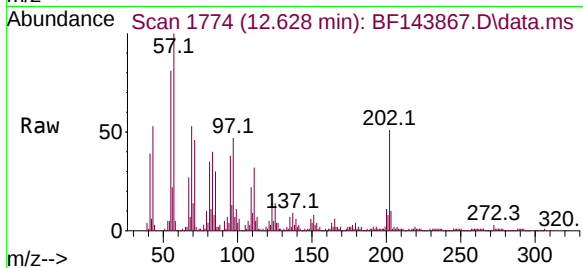




#78
 Pyrene
 Concen: 6.238 ng
 RT: 12.628 min Scan# 11
 Delta R.T. -0.229 min
 Lab File: BF143867.D
 Acq: 02 Oct 2025 21:06

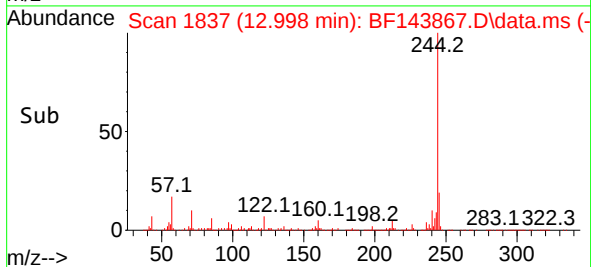
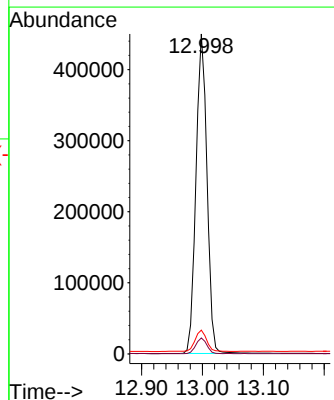
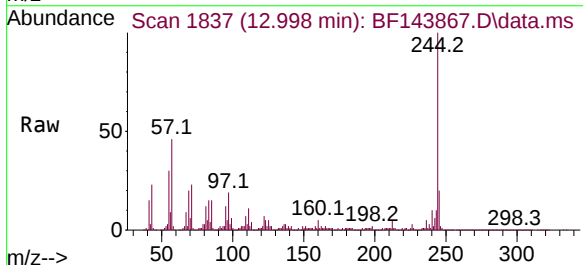
Instrument :
 BNA_F
 ClientSampleId :

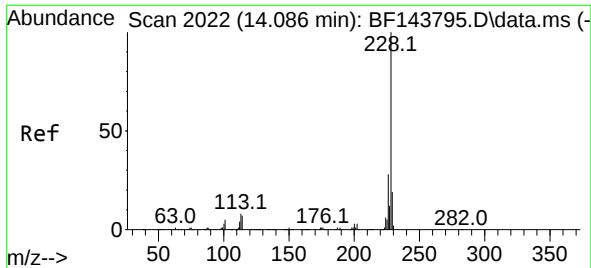
Tgt Ion:	202	Resp:	93765
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.0	25.4
203	20.1	13.9	20.9



#79
 Terphenyl-d14
 Concen: 37.724 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. -0.006 min
 Lab File: BF143867.D
 Acq: 02 Oct 2025 21:06

Tgt Ion:	244	Resp:	567145
Ion Ratio	Lower	Upper	
244	100		
212	5.0	3.9	5.9
122	7.4	5.6	8.4

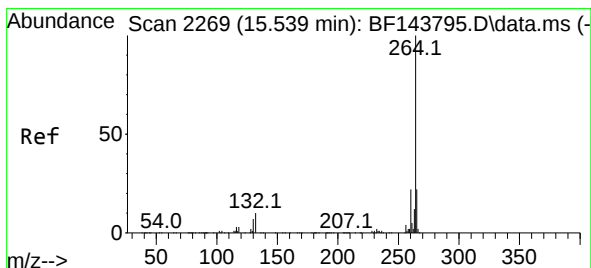
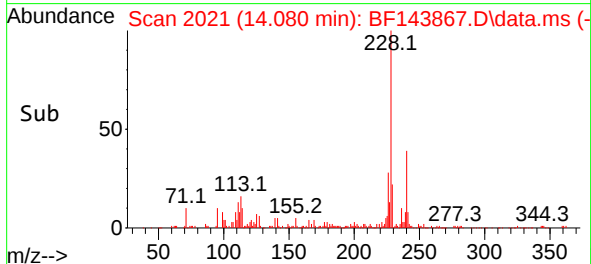
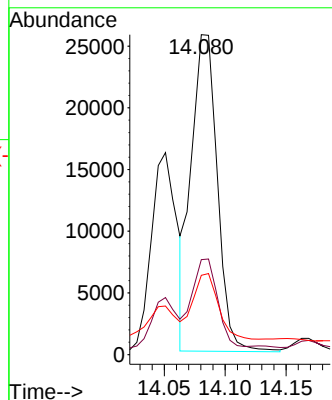
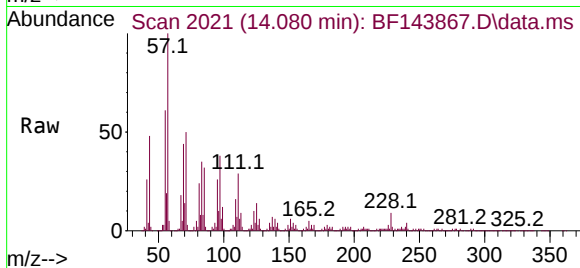




#83
Chrysene
Concen: 2.579 ng
RT: 14.080 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06

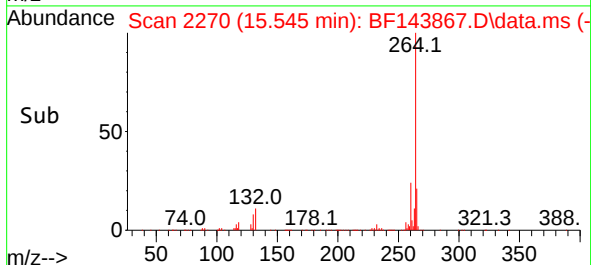
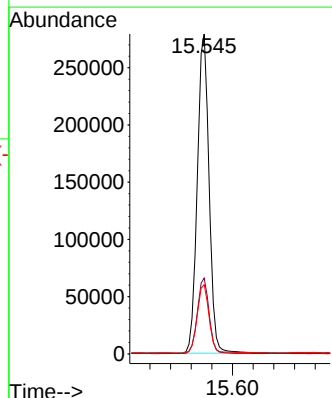
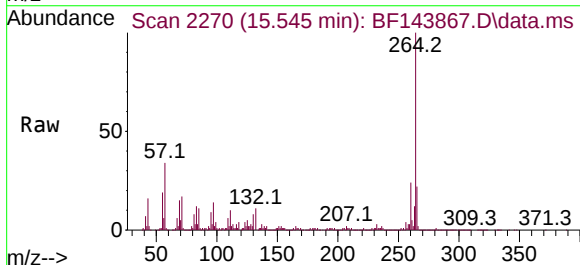
Instrument :
BNA_F
ClientSampleId :

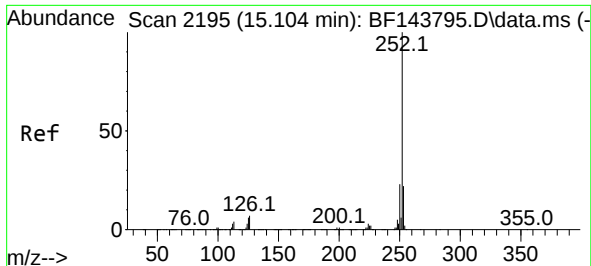
Tgt Ion:228 Resp: 38328
Ion Ratio Lower Upper
228 100
226 29.7 22.6 33.8
229 24.8 15.6 23.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06

Tgt Ion:264 Resp: 440001
Ion Ratio Lower Upper
264 100
260 23.7 17.9 26.9
265 21.6 17.7 26.5

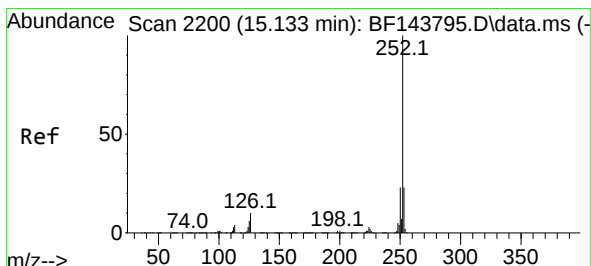
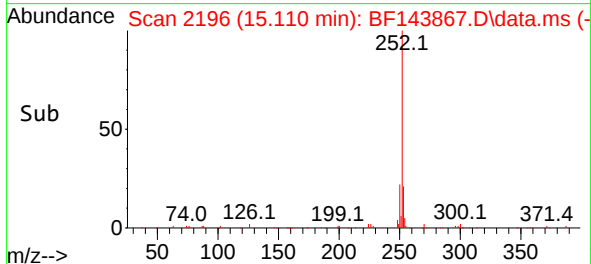
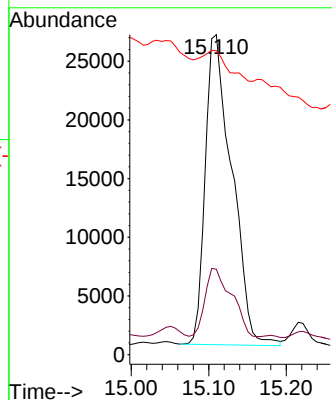
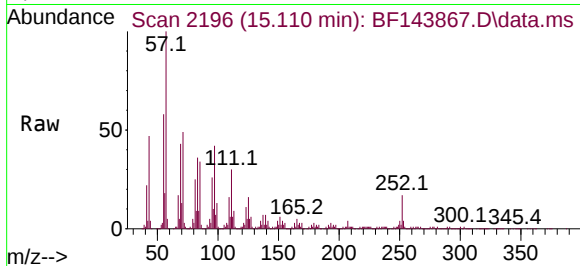




#88
Benzo(b)fluoranthene
Concen: 2.813 ng
RT: 15.110 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 63038
Ion Ratio Lower Upper
252 100
253 26.7 17.8 26.8
125 95.0 4.4 6.6#



#89
Benzo(k)fluoranthene
Concen: 2.800 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.029 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06

Tgt Ion:252 Resp: 63038
Ion Ratio Lower Upper
252 100
253 26.7 17.9 26.9
125 95.0 4.6 6.8#

