

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
 Data File : BF143993.D
 Acq On : 17 Oct 2025 19:12
 Operator : RC/JU
 Sample : Q3363-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PR132-SO3-028010-20251015

Quant Time: Oct 20 11:12:43 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)

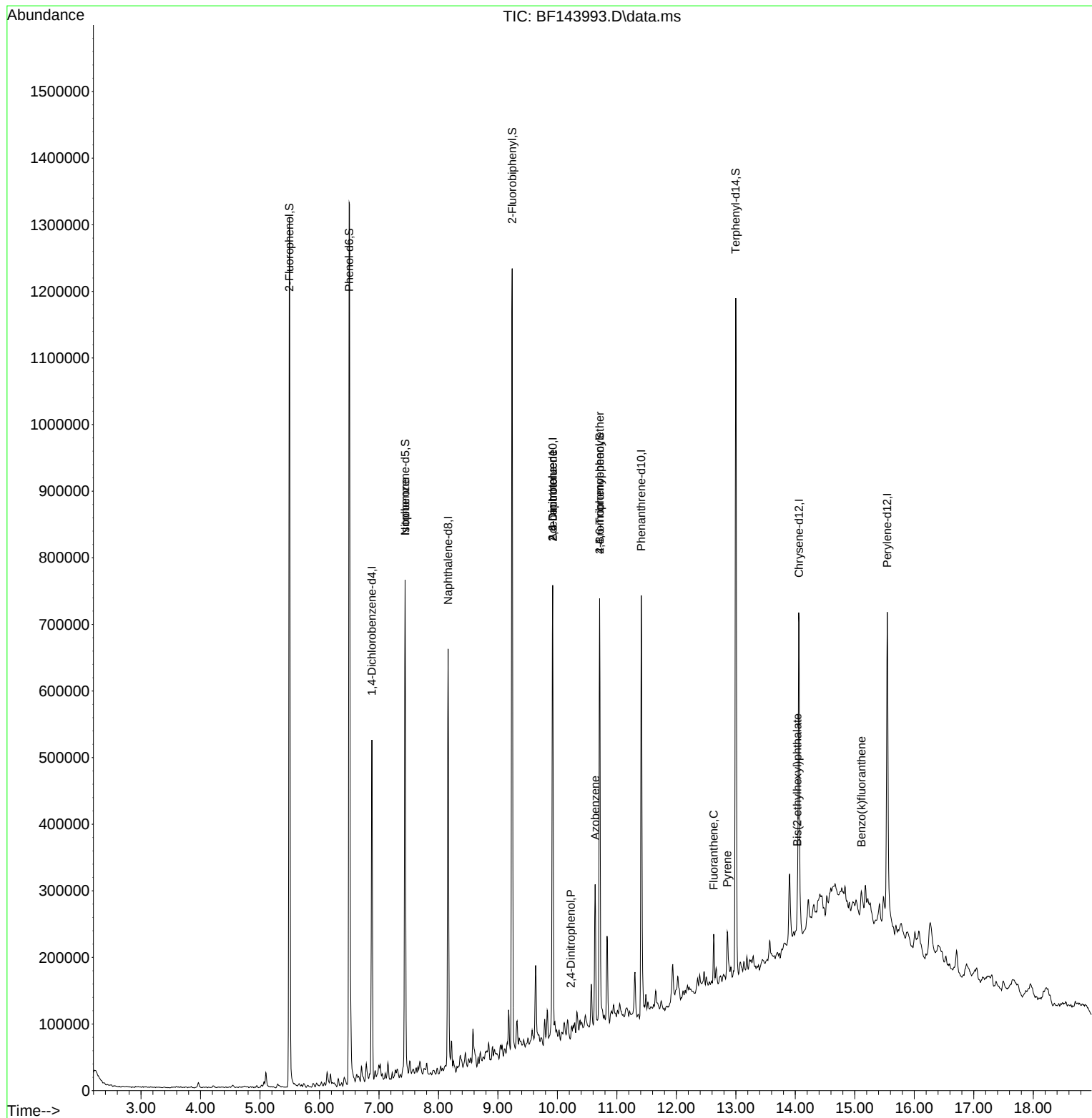
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	104129	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	397063	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	206624	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	340601	20.000	ng	0.00
76) Chrysene-d12	14.063	240	243470	20.000	ng	0.00
86) Perylene-d12	15.545	264	303323	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	522351	79.660	ng	0.00
7) Phenol-d6	6.498	99	614862	78.667	ng	-0.02
23) Nitrobenzene-d5	7.440	82	315684	48.303	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	120278	58.444	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	565104	43.396	ng	-0.01
79) Terphenyl-d14	12.998	244	542536	38.084	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.440	82	261275	18.960	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	27104	11.140	ng	# 27
54) 2,4-Dinitrophenol	10.228	184	523	7.259	ng	# 12
57) 2,4-Dinitrotoluene	9.922	165	27104	8.187	ng	# 27
63) Azobenzene	10.633	77	54100	4.246	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	7586	2.015	ng	# 1
75) Fluoranthene	12.627	202	45012	2.639	ng	96
78) Pyrene	12.857	202	43225	2.130	ng	97
84) Bis(2-ethylhexyl)phtha...	14.033	149	22963	2.890	ng	# 90
89) Benzo(k)fluoranthene	15.110	252	34217	2.122	ng	# 81

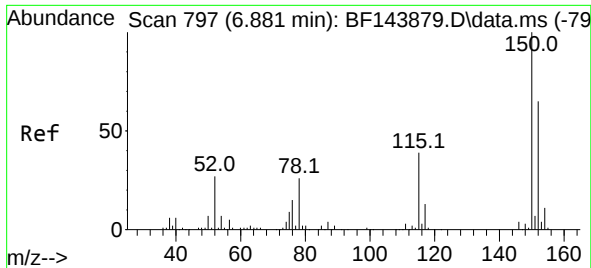
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
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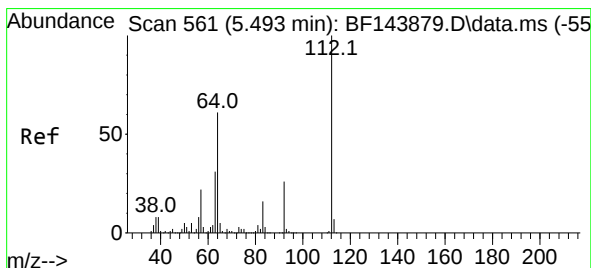
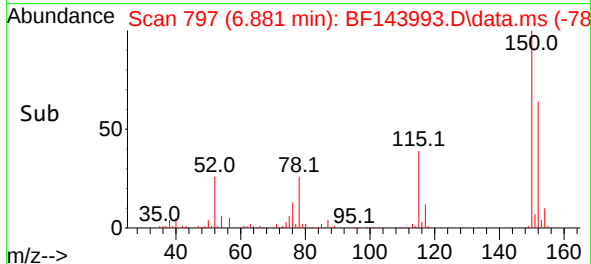
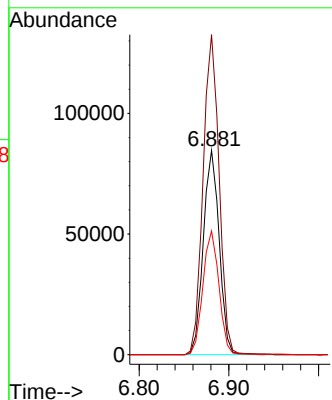
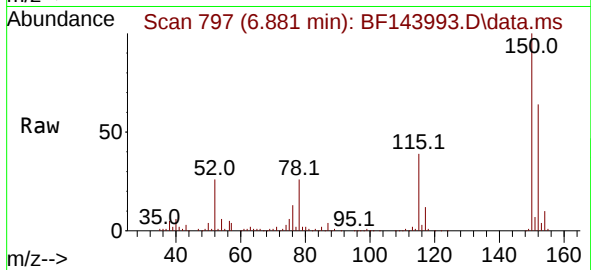




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF143993.D
Acq: 17 Oct 2025 19:12

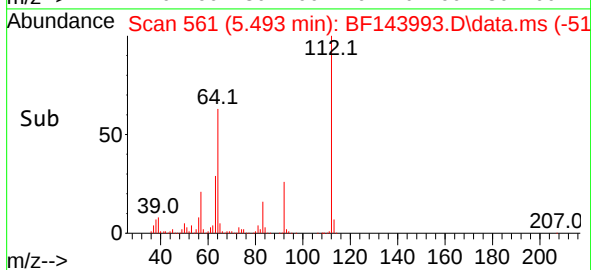
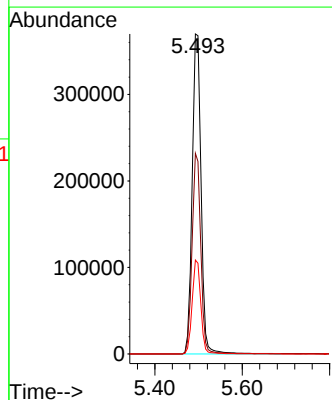
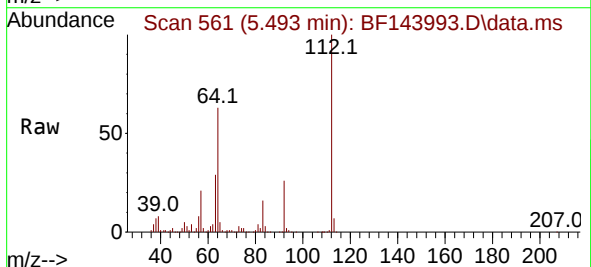
Instrument :
BNA_F
ClientSampleId :
PR132-SO3-028010-20251015

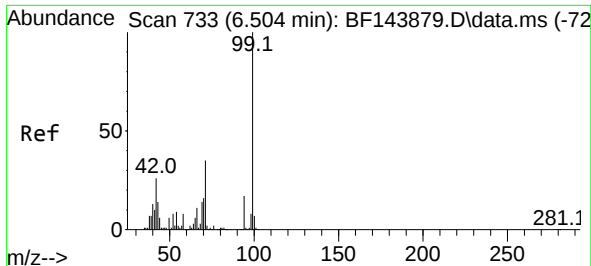
Tgt Ion:152 Resp: 104129
Ion Ratio Lower Upper
152 100
150 156.6 124.4 186.6
115 60.6 48.1 72.1



#5
2-Fluorophenol
Concen: 79.660 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF143993.D
Acq: 17 Oct 2025 19:12

Tgt Ion:112 Resp: 522351
Ion Ratio Lower Upper
112 100
64 62.7 49.1 73.7
63 29.4 24.5 36.7

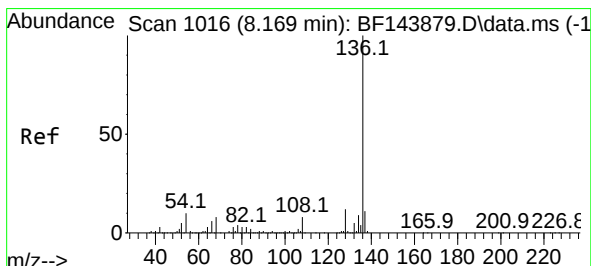
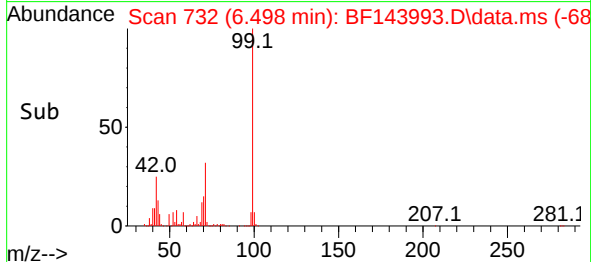
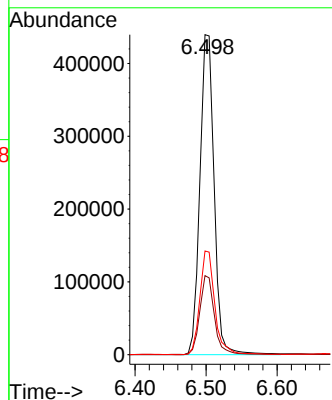
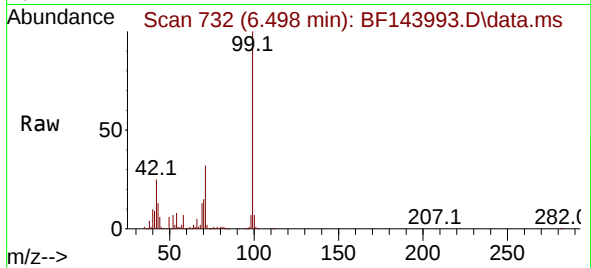




#7
Phenol-d6
Concen: 78.667 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF143993.D
Acq: 17 Oct 2025 19:12

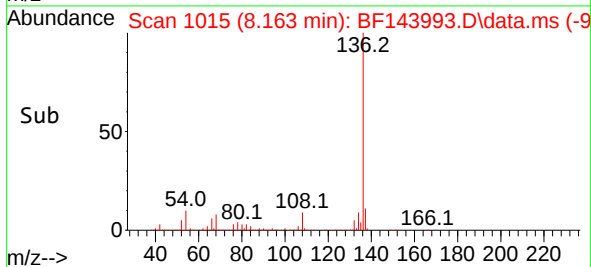
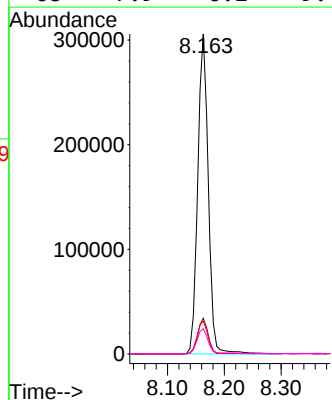
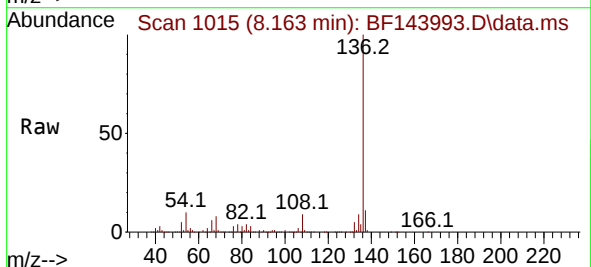
Instrument :
BNA_F
ClientSampleId :
PR132-SO3-028010-20251015

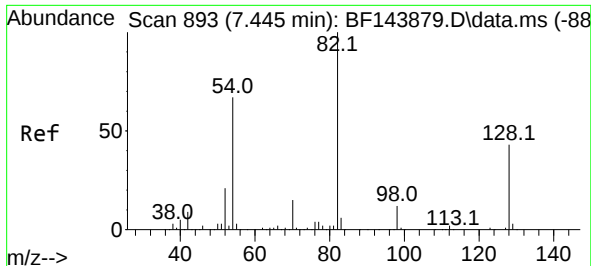
Tgt Ion: 99 Resp: 614862
Ion Ratio Lower Upper
99 100
42 24.7 21.0 31.4
71 32.4 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143993.D
Acq: 17 Oct 2025 19:12

Tgt Ion: 136 Resp: 397063
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 10.3 8.2 12.4
68 7.9 6.2 9.4





#23

Nitrobenzene-d5

Concen: 48.303 ng

RT: 7.440 min Scan# 893

Delta R.T. -0.018 min

Lab File: BF143993.D

Acq: 17 Oct 2025 19:12

Instrument :

BNA_F

ClientSampleId :

PR132-SO3-028010-20251015

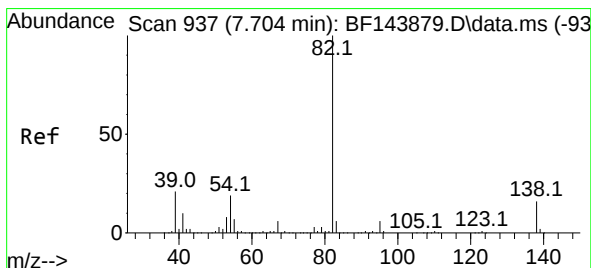
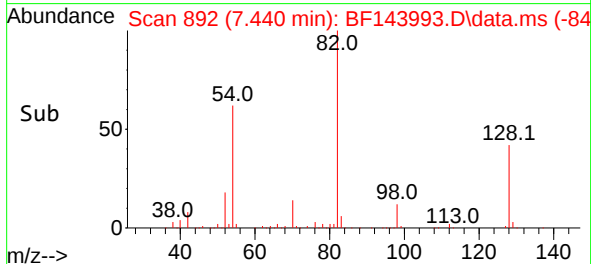
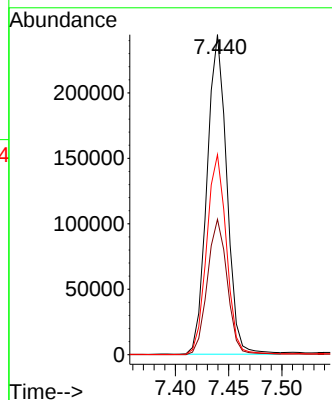
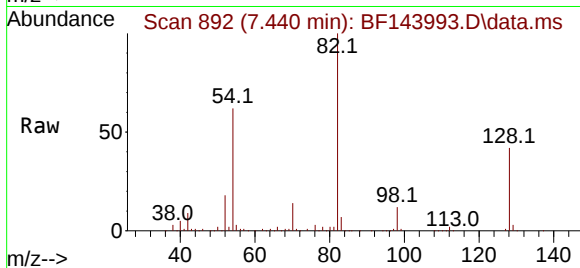
Tgt Ion: 82 Resp: 315684

Ion Ratio Lower Upper

82 100

128 42.3 34.0 51.0

54 62.5 53.2 79.8



#25

Isophorone

Concen: 18.960 ng

RT: 7.440 min Scan# 892

Delta R.T. -0.282 min

Lab File: BF143993.D

Acq: 17 Oct 2025 19:12

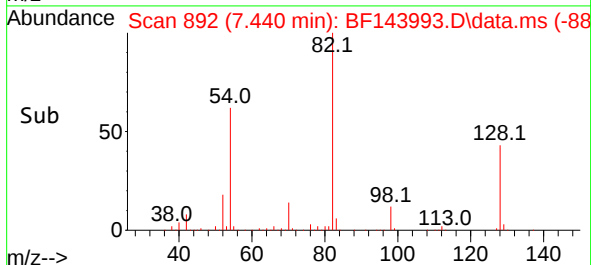
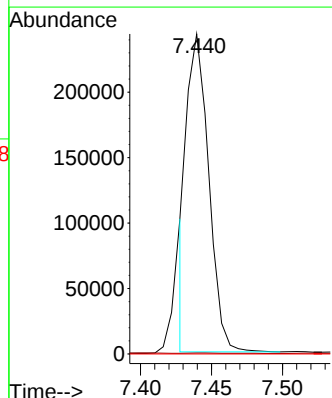
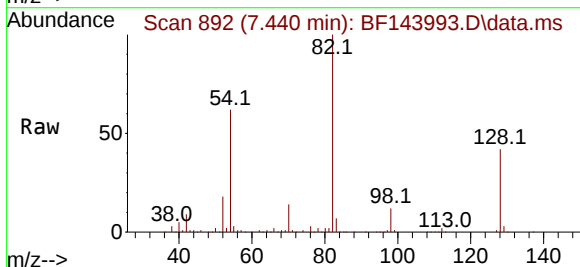
Tgt Ion: 82 Resp: 261275

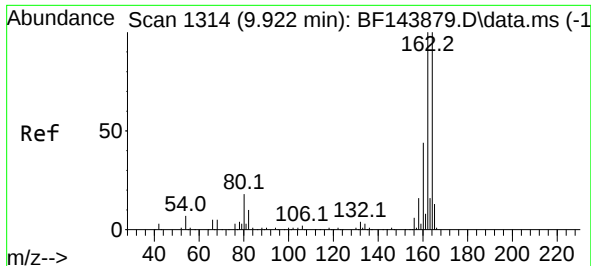
Ion Ratio Lower Upper

82 100

95 0.3 5.1 7.7#

138 0.0 12.9 19.3#

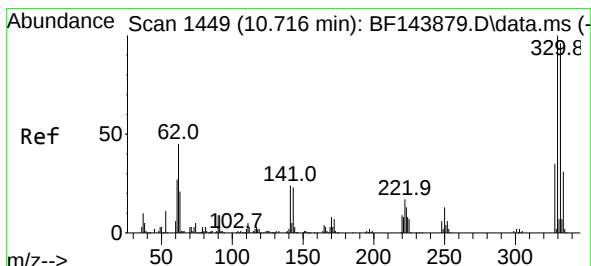
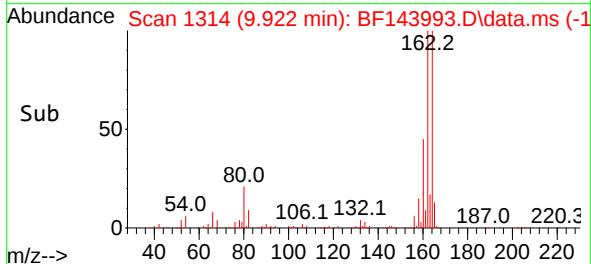
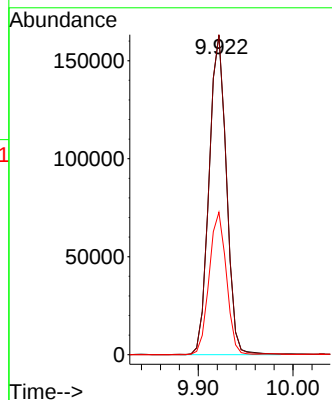
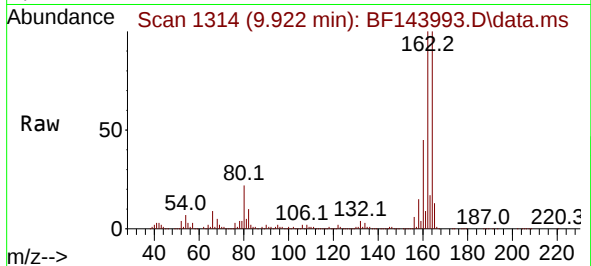




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF143993.D
Acq: 17 Oct 2025 19:12

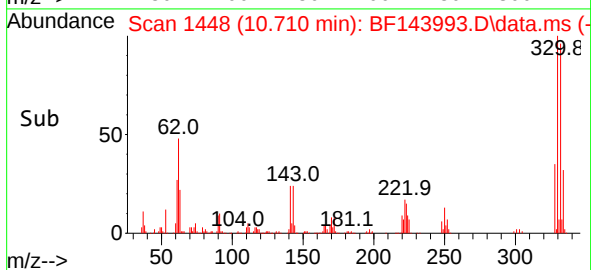
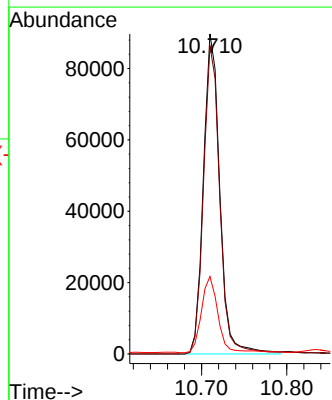
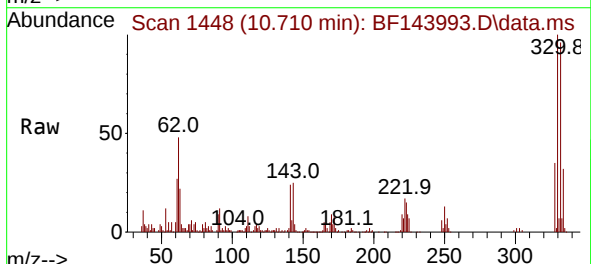
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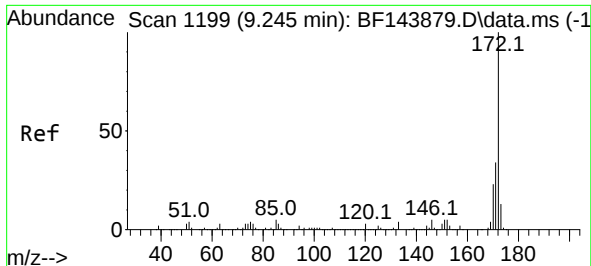
Tgt Ion:164 Resp: 206624
Ion Ratio Lower Upper
164 100
162 100.2 80.2 120.2
160 44.6 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 58.444 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.012 min
Lab File: BF143993.D
Acq: 17 Oct 2025 19:12

Tgt Ion:330 Resp: 120278
Ion Ratio Lower Upper
330 100
332 94.9 76.9 115.3
141 24.3 20.2 30.4

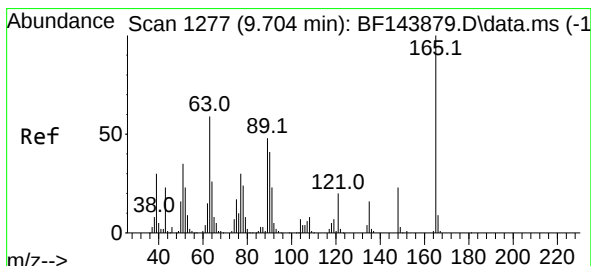
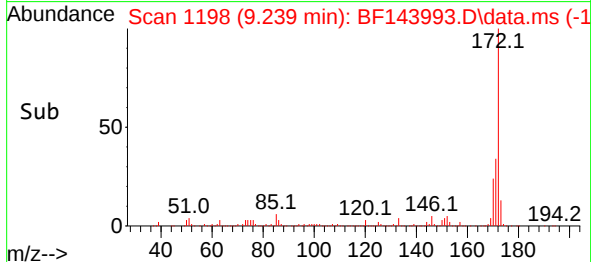
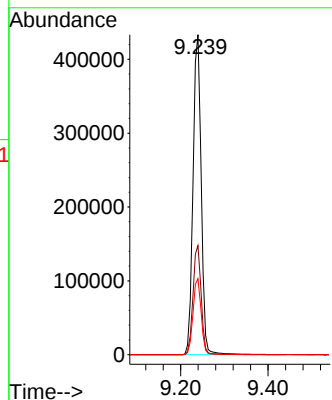
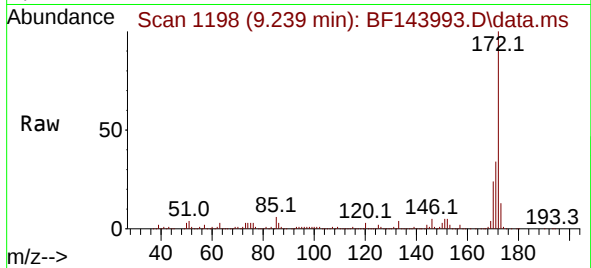




#45
2-Fluorobiphenyl
Concen: 43.396 ng
RT: 9.239 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF143993.D
Acq: 17 Oct 2025 19:12

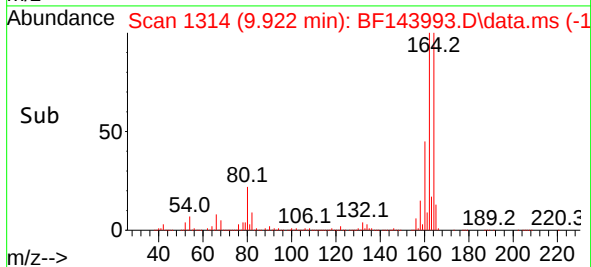
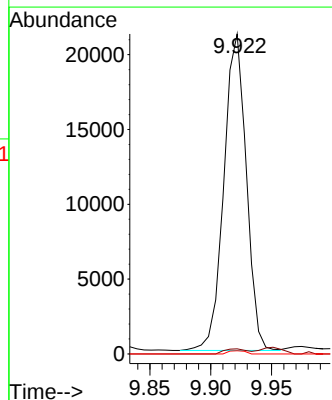
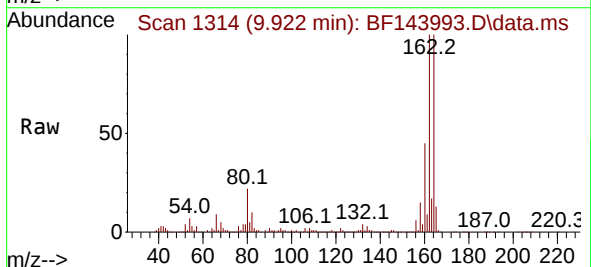
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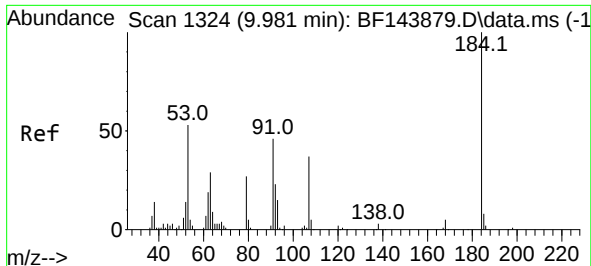
Tgt Ion:172 Resp: 565104
Ion Ratio Lower Upper
172 100
171 34.1 27.4 41.0
170 23.7 18.6 28.0



#51
2,6-Dinitrotoluene
Concen: 11.140 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.206 min
Lab File: BF143993.D
Acq: 17 Oct 2025 19:12

Tgt Ion:165 Resp: 27104
Ion Ratio Lower Upper
165 100
63 1.6 47.3 70.9#
89 1.0 38.2 57.4#

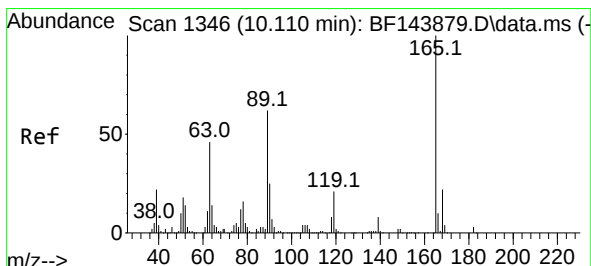
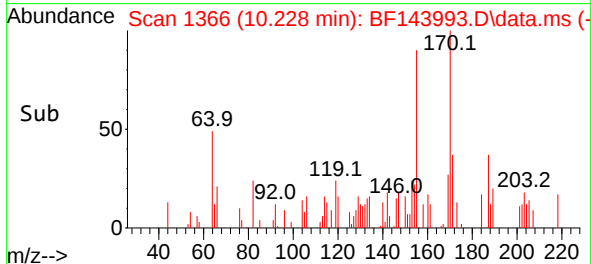
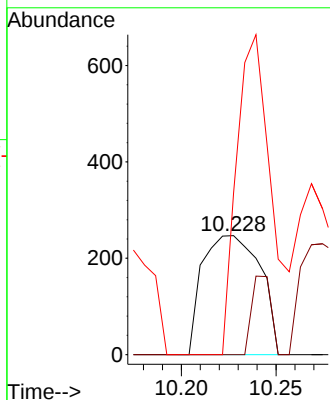
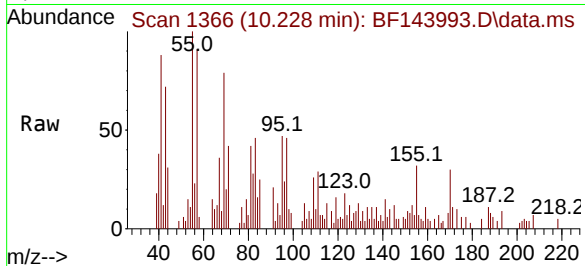




#54
2,4-Dinitrophenol
Concen: 7.259 ng
RT: 10.228 min Scan# 11
Delta R.T. 0.242 min
Lab File: BF143993.D
Acq: 17 Oct 2025 19:12

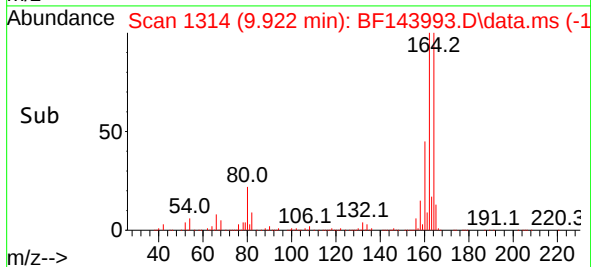
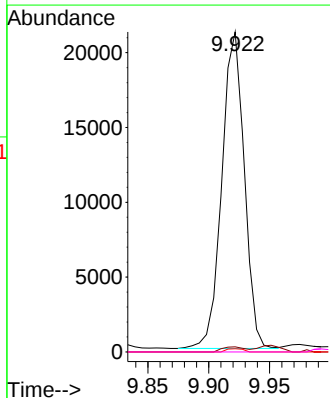
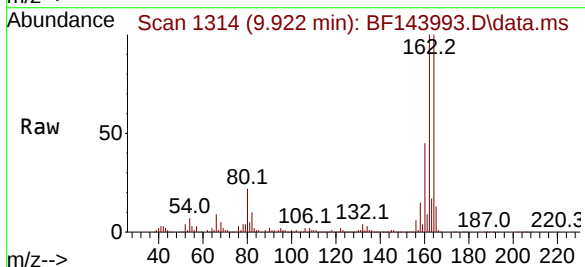
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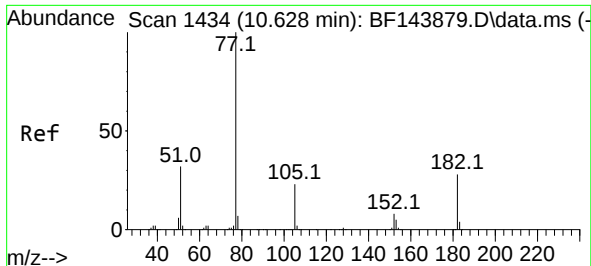
Tgt Ion:184 Resp: 523
Ion Ratio Lower Upper
184 100
63 0.0 48.2 72.4#
154 135.6 49.2 73.8#



#57
2,4-Dinitrotoluene
Concen: 8.187 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.194 min
Lab File: BF143993.D
Acq: 17 Oct 2025 19:12

Tgt Ion:165 Resp: 27104
Ion Ratio Lower Upper
165 100
63 1.6 37.2 55.8#
89 1.0 49.4 74.2#
182 0.0 2.1 3.1#

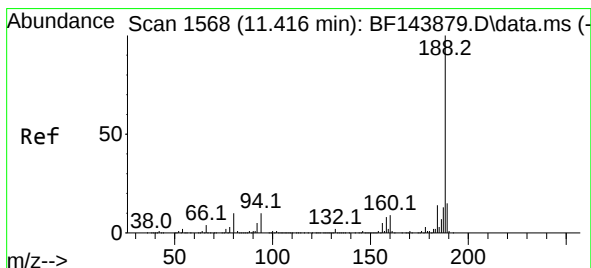
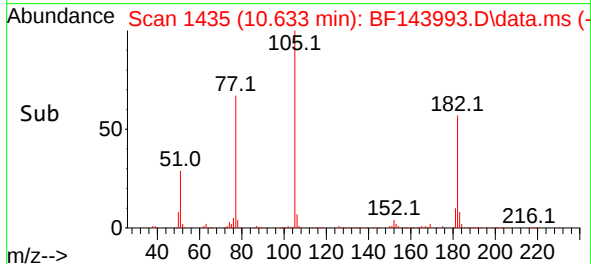
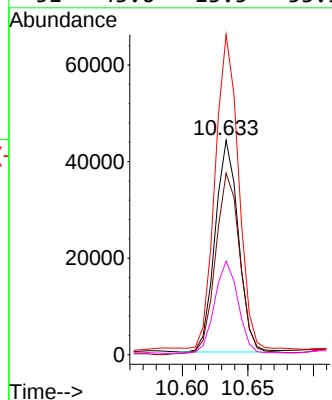
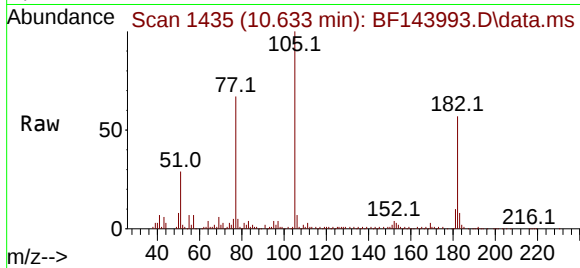




#63
Azobenzene
Concen: 4.246 ng
RT: 10.633 min Scan# 1434
Delta R.T. 0.000 min
Lab File: BF143993.D
Acq: 17 Oct 2025 19:12

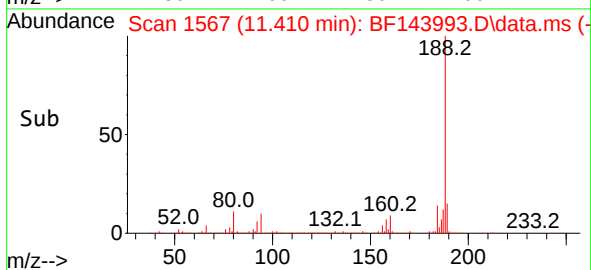
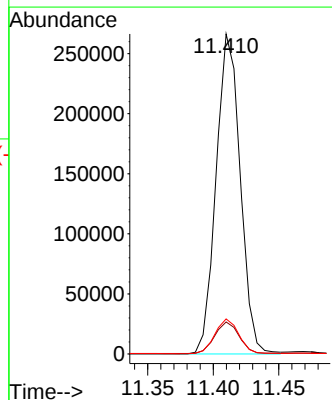
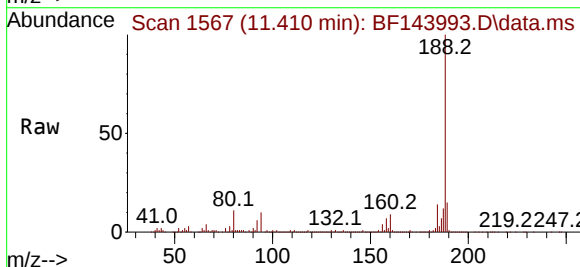
Instrument :
BNA_F
ClientSampleId :
PR132-SO3-028010-20251015

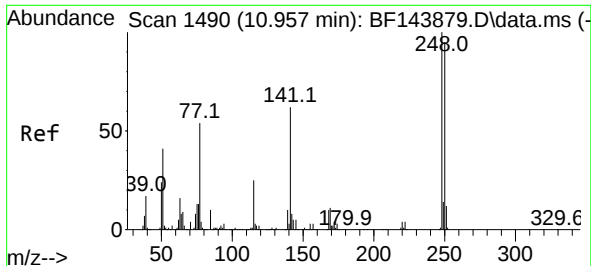
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Ion Ratio	Lower Upper
77 100	
182 84.7	7.3 47.3#
105 149.4	3.0 43.0#
51 43.6	13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143993.D
Acq: 17 Oct 2025 19:12

Tgt Ion: 188	Resp: 340601
Ion Ratio	Lower Upper
188 100	
94 10.0	7.8 11.6
80 11.0	7.9 11.9

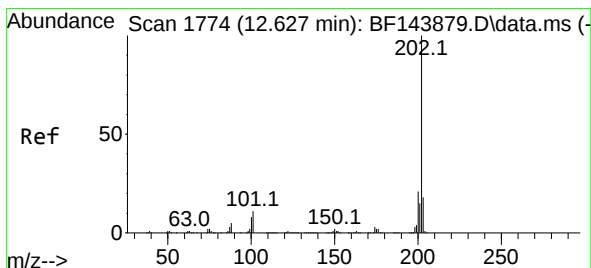
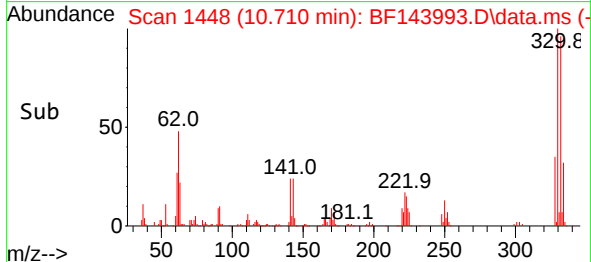
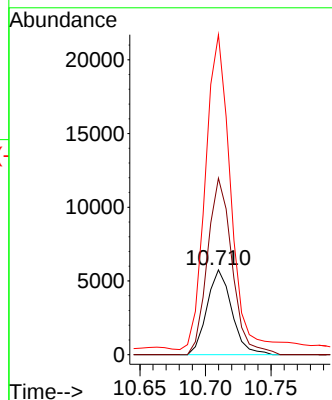
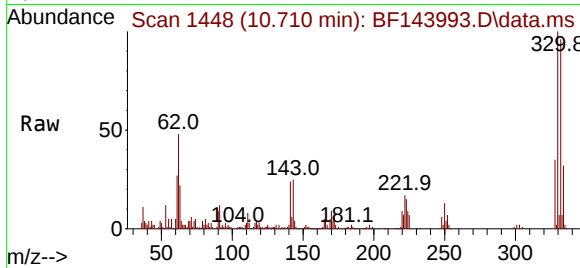




#67
4-Bromophenyl-phenylether
Concen: 2.015 ng
RT: 10.710 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF143993.D
Acq: 17 Oct 2025 19:12

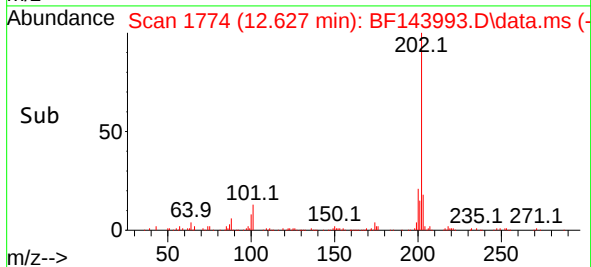
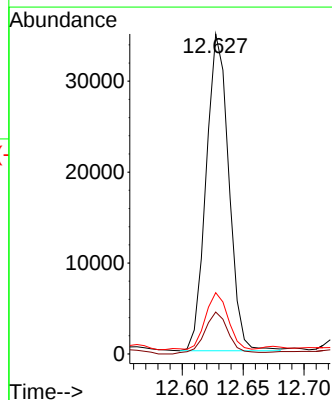
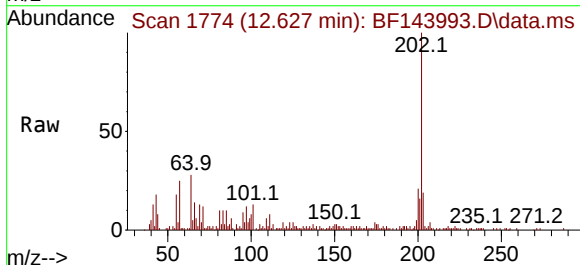
Instrument :
BNA_F
ClientSampleId :
PR132-SO3-028010-20251015

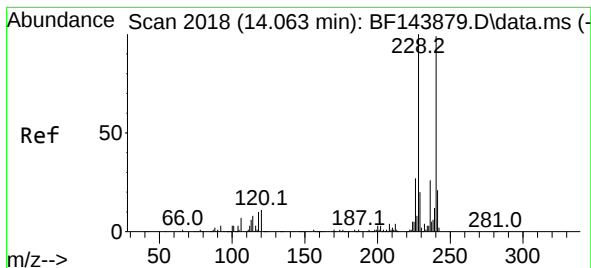
Tgt Ion:248 Resp: 7586
Ion Ratio Lower Upper
248 100
250 208.3 76.3 114.5#
141 377.5 49.7 74.5#



#75
Fluoranthene
Concen: 2.639 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143993.D
Acq: 17 Oct 2025 19:12

Tgt Ion:202 Resp: 45012
Ion Ratio Lower Upper
202 100
101 13.1 0.0 30.7
203 19.1 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: BF143993.D

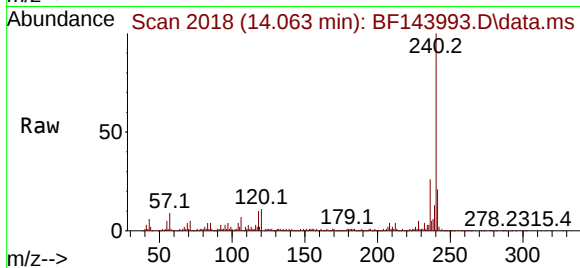
Acq: 17 Oct 2025 19:12

Instrument :

BNA_F

ClientSampleId :

PR132-SO3-028010-20251015



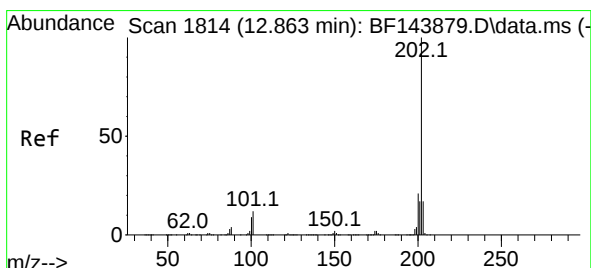
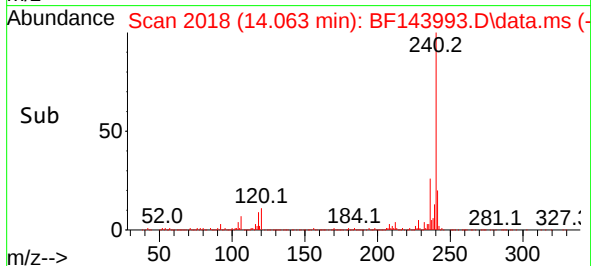
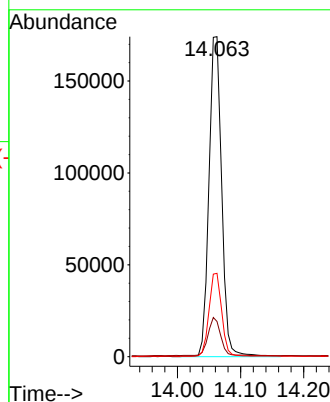
Tgt Ion:240 Resp: 243470

Ion Ratio Lower Upper

240 100

120 11.0 8.6 13.0

236 26.1 21.1 31.7



#78

Pyrene

Concen: 2.130 ng

RT: 12.857 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF143993.D

Acq: 17 Oct 2025 19:12

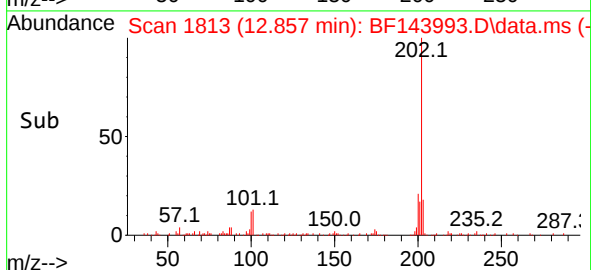
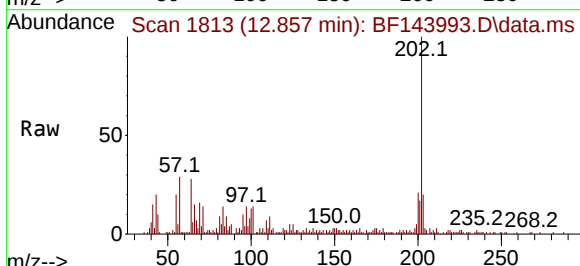
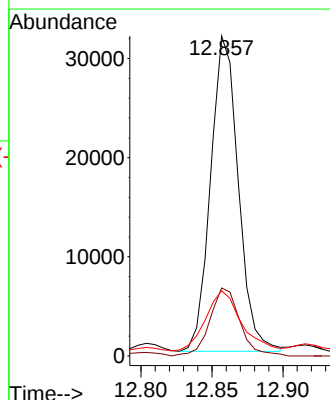
Tgt Ion:202 Resp: 43225

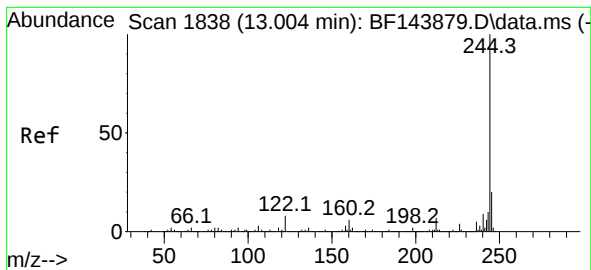
Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.6

203 20.4 13.8 20.6





#79

Terphenyl-d14

Concen: 38.084 ng

RT: 12.998 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF143993.D

Acq: 17 Oct 2025 19:12

Instrument :

BNA_F

ClientSampleId :

PR132-SO3-028010-20251015

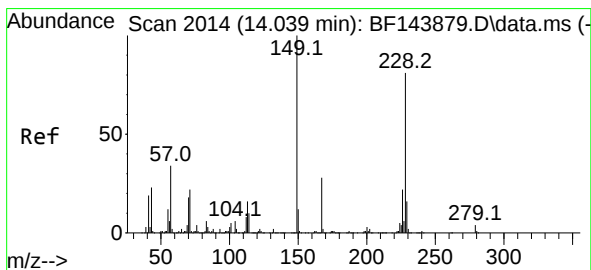
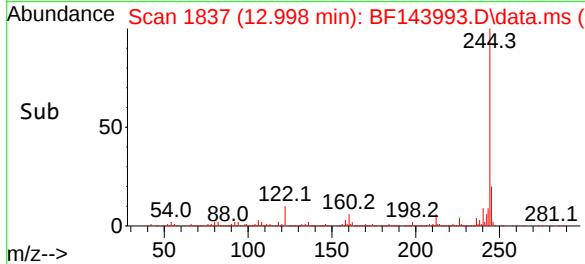
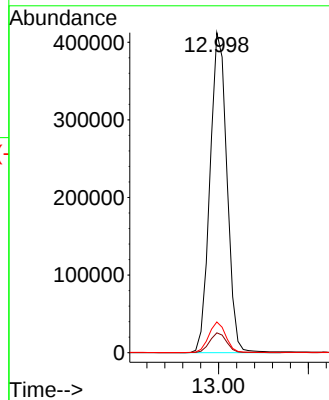
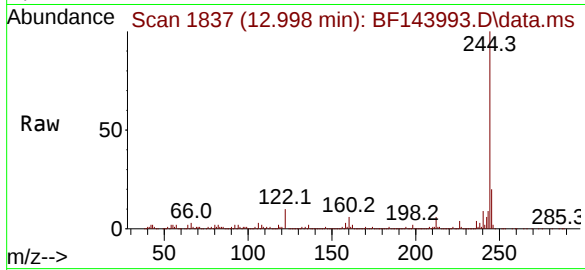
Tgt Ion:244 Resp: 542536

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

122 9.6 6.4 9.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.890 ng

RT: 14.033 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF143993.D

Acq: 17 Oct 2025 19:12

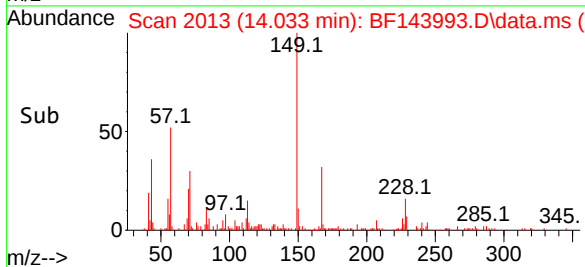
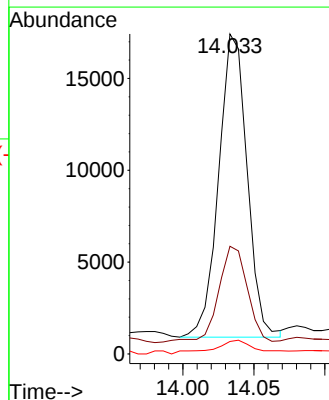
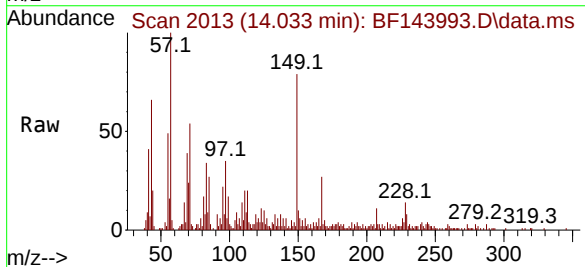
Tgt Ion:149 Resp: 22963

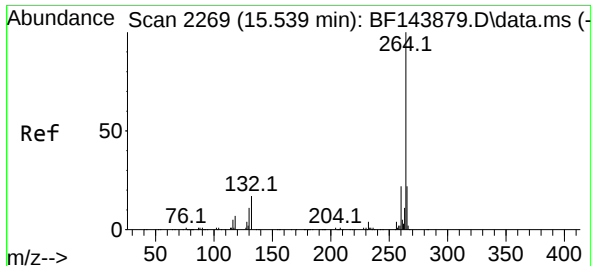
Ion Ratio Lower Upper

149 100

167 33.6 22.2 33.4#

279 3.9 3.1 4.7

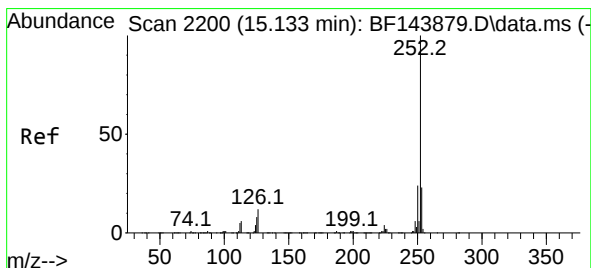
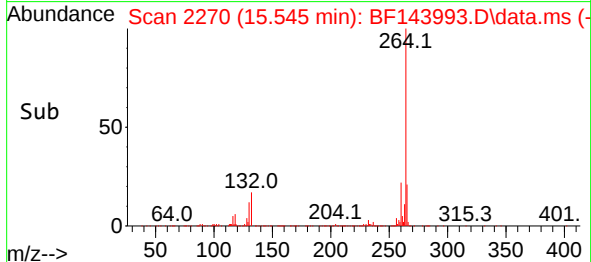
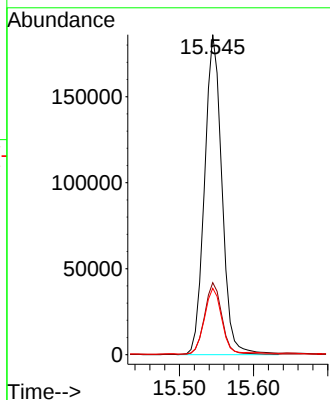
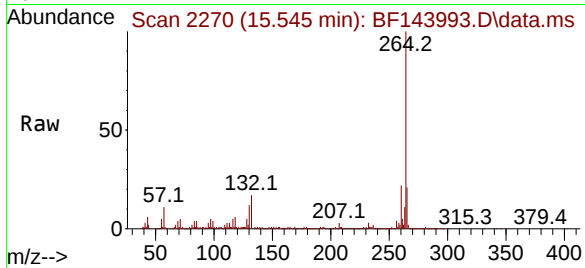




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2196
 Delta R.T. 0.000 min
 Lab File: BF143993.D
 Acq: 17 Oct 2025 19:12

Instrument :
 BNA_F
 ClientSampleId :
 PR132-SO3-028010-20251015

Tgt Ion:264 Resp: 303323
 Ion Ratio Lower Upper
 264 100
 260 22.5 17.8 26.8
 265 20.7 17.5 26.3



#89
 Benzo(k)fluoranthene
 Concen: 2.122 ng
 RT: 15.110 min Scan# 2196
 Delta R.T. -0.035 min
 Lab File: BF143993.D
 Acq: 17 Oct 2025 19:12

Tgt Ion:252 Resp: 34217
 Ion Ratio Lower Upper
 252 100
 253 25.0 17.8 26.8
 125 28.5 7.4 11.2#

