

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022125\
 Data File : BF141710.D
 Acq On : 21 Feb 2025 10:15
 Operator : RC/JU
 Sample : PB166801BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166801BL

Quant Time: Feb 21 11:09:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

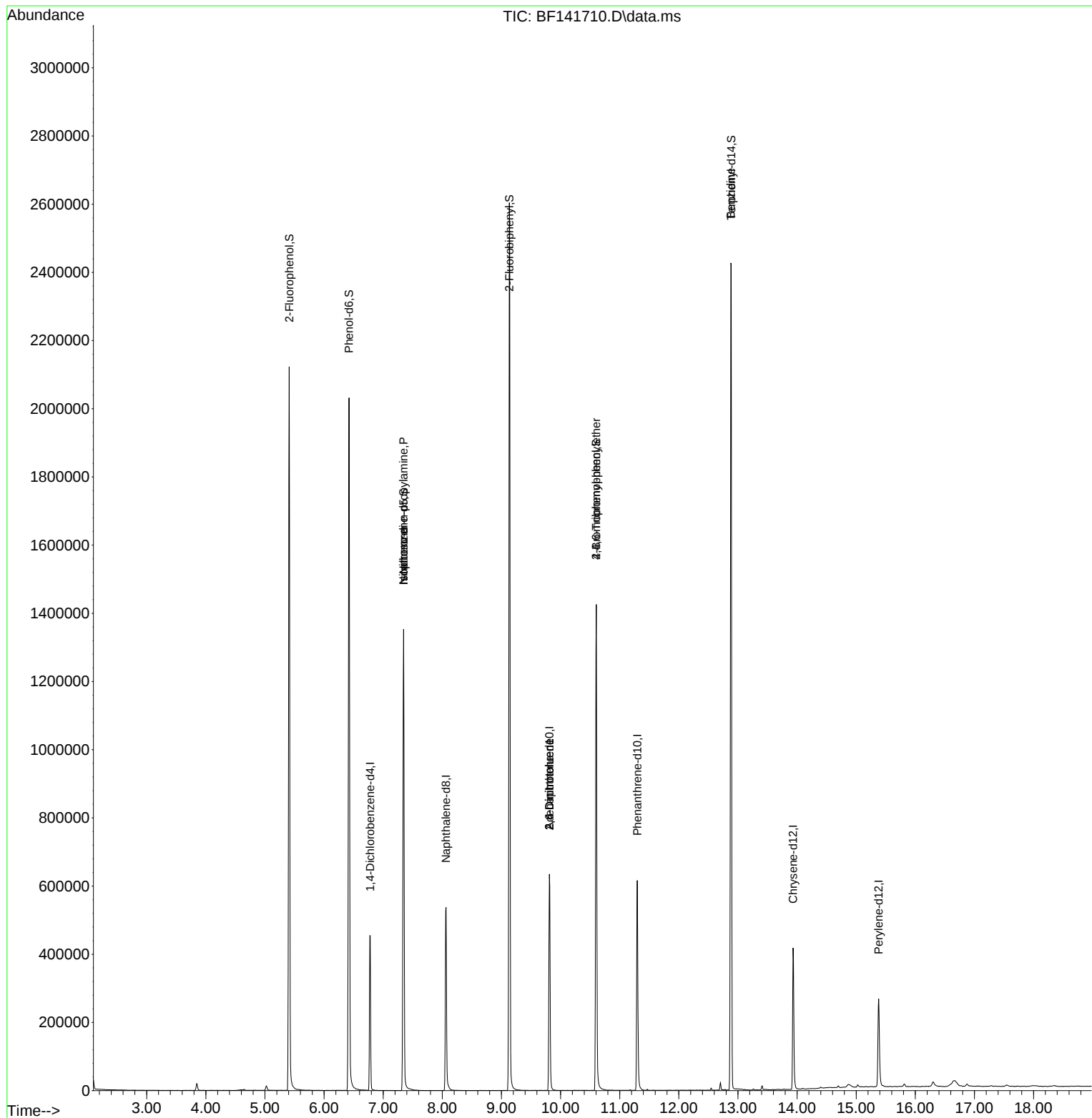
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	100307	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	398058	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	208634	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	354240	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	229001	20.000	ng	-0.03
86) Perylene-d12	15.380	264	177593	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	811156	126.779	ng	0.00
7) Phenol-d6	6.422	99	993526	122.858	ng	-0.02
23) Nitrobenzene-d5	7.345	82	658057	86.226	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	250465	119.507	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	1232193	90.990	ng	-0.02
79) Terphenyl-d14	12.886	244	1289401	95.053	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.345	70	87782	18.147	ng	# 71
25) Isophorone	7.345	82	638728	52.490	ng	# 66
51) 2,6-Dinitrotoluene	9.810	165	27189	8.781	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	27190	6.596	ng	# 19
67) 4-Bromophenyl-phenylether	10.604	248	17176	4.338	ng	# 1
77) Benzidine	12.880	184	16987	3.363	ng	# 92

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

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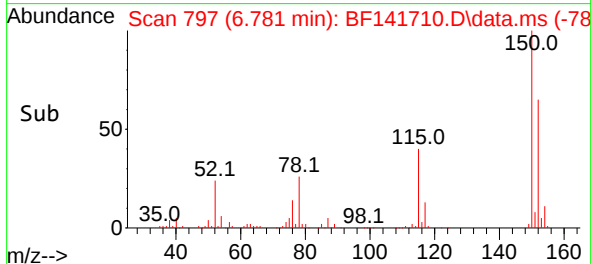
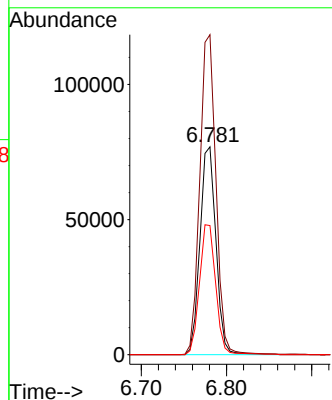
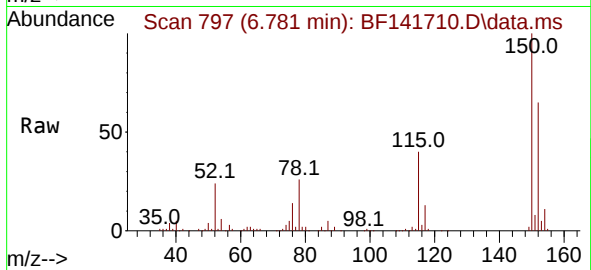




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141710.D
Acq: 21 Feb 2025 10:15

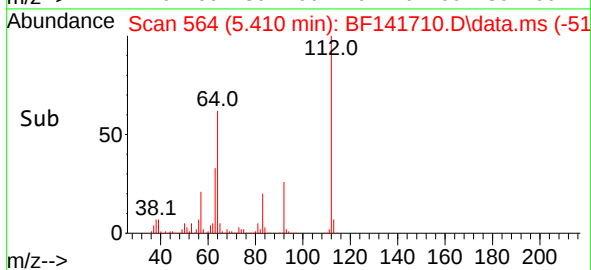
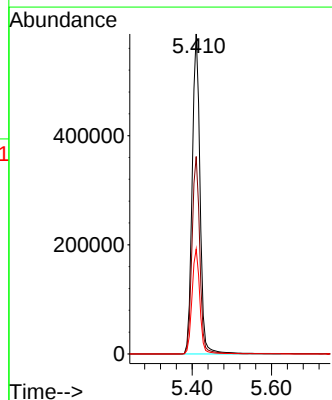
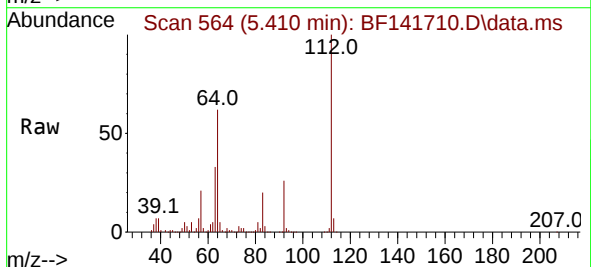
Instrument :
BNA_F
ClientSampleId :
PB166801BL

Tgt Ion:152 Resp: 100307
Ion Ratio Lower Upper
152 100
150 154.0 125.0 187.4
115 62.1 53.6 80.4



#5
2-Fluorophenol
Concen: 126.779 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141710.D
Acq: 21 Feb 2025 10:15

Tgt Ion:112 Resp: 811156
Ion Ratio Lower Upper
112 100
64 61.7 51.1 76.7
63 32.8 28.4 42.6

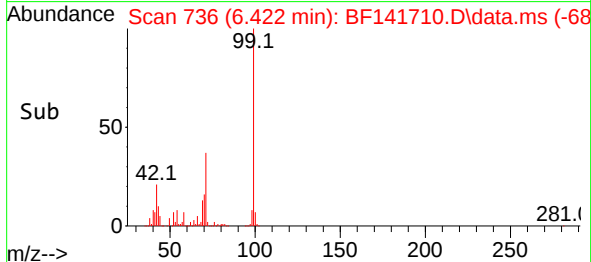
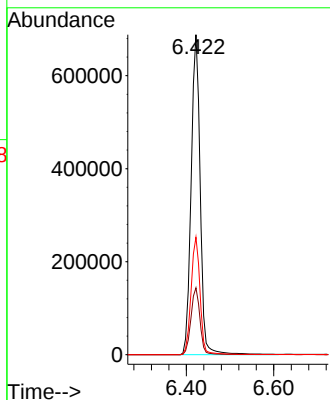
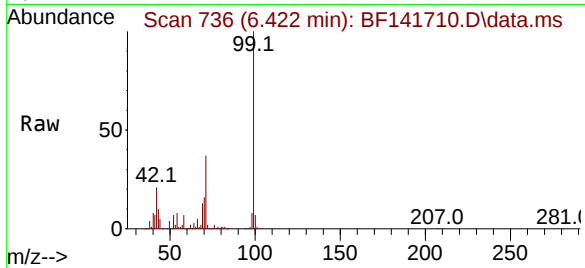




#7
Phenol-d6
Concen: 122.858 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141710.D
Acq: 21 Feb 2025 10:15

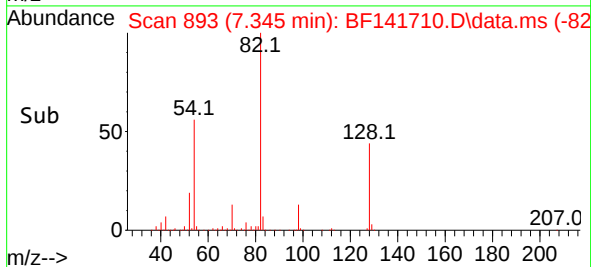
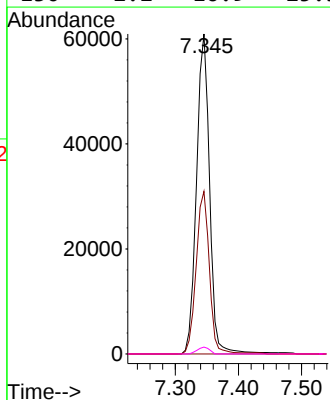
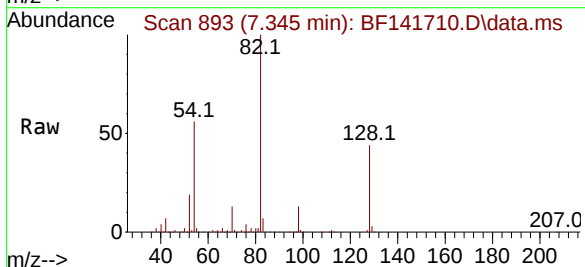
Instrument :
BNA_F
ClientSampleId :
PB166801BL

Tgt Ion: 99 Resp: 993526
Ion Ratio Lower Upper
99 100
42 20.9 19.1 28.7
71 36.7 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 18.147 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.129 min
Lab File: BF141710.D
Acq: 21 Feb 2025 10:15

Tgt Ion: 70 Resp: 87782
Ion Ratio Lower Upper
70 100
42 50.8 57.4 86.2#
101 0.0 8.0 12.0#
130 2.2 16.9 25.3#

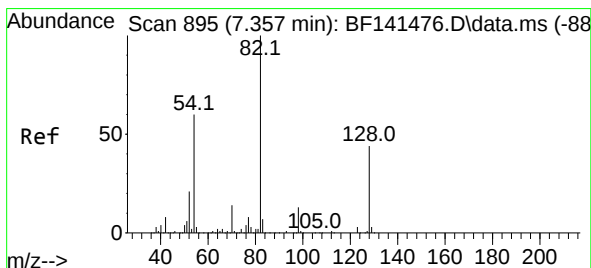
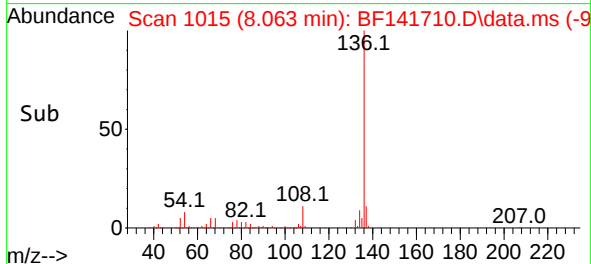
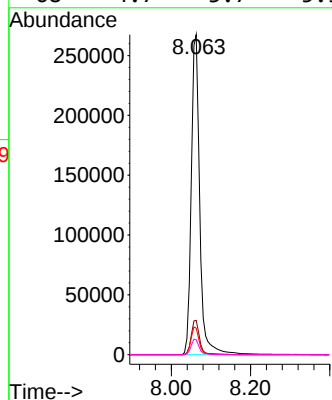
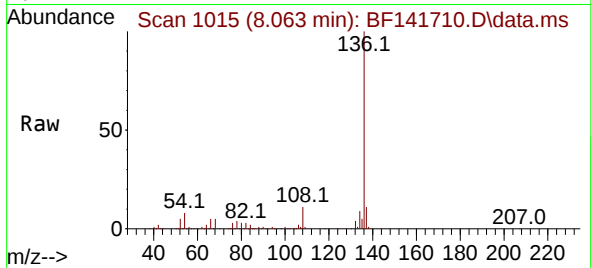




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141710.D
Acq: 21 Feb 2025 10:15

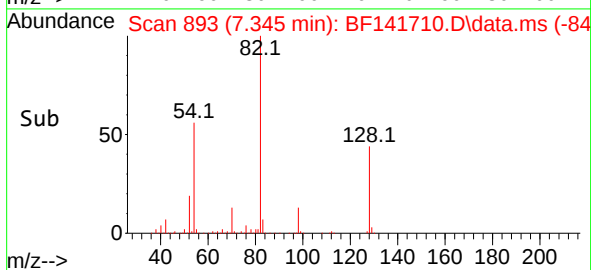
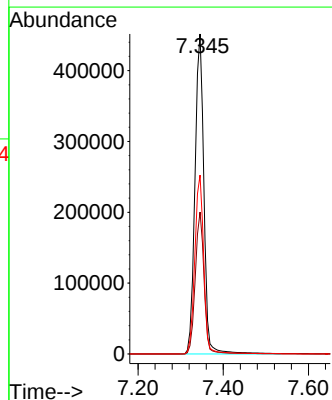
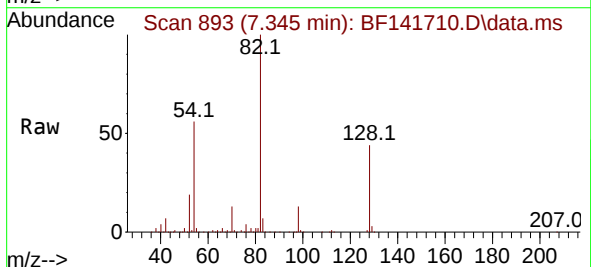
Instrument :
BNA_F
ClientSampleId :
PB166801BL

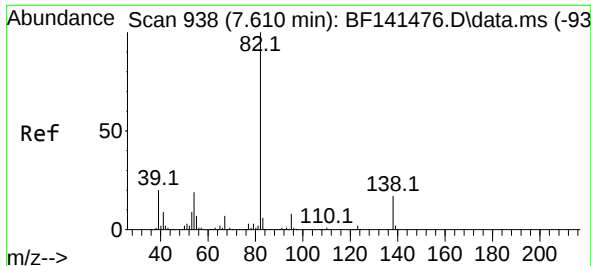
Tgt Ion:136 Resp: 398058
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.3 7.2 10.8
68 4.7 3.7 5.5



#23
Nitrobenzene-d5
Concen: 86.226 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF141710.D
Acq: 21 Feb 2025 10:15

Tgt Ion: 82 Resp: 658057
Ion Ratio Lower Upper
82 100
128 44.3 34.8 52.2
54 55.9 48.2 72.4

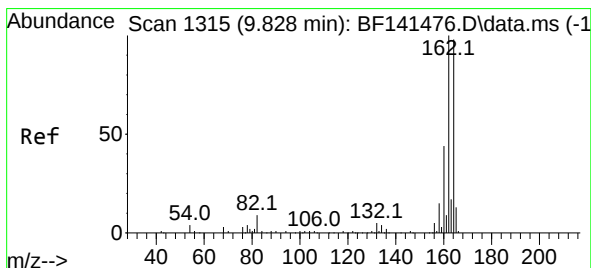
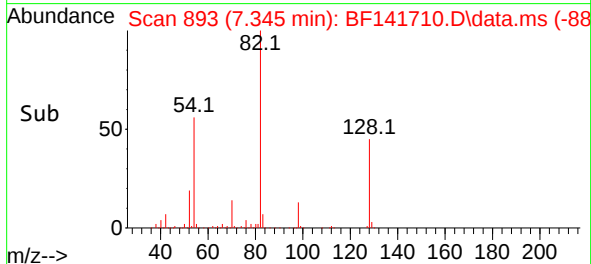
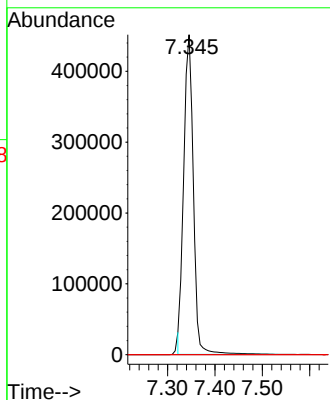
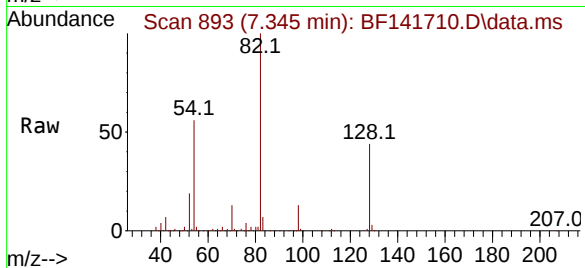




#25
Isophorone
Concen: 52.490 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.276 min
Lab File: BF141710.D
Acq: 21 Feb 2025 10:15

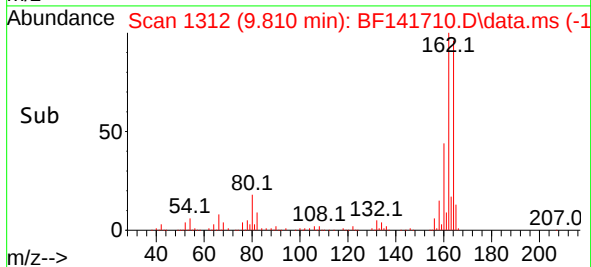
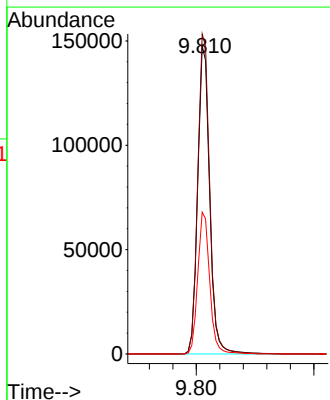
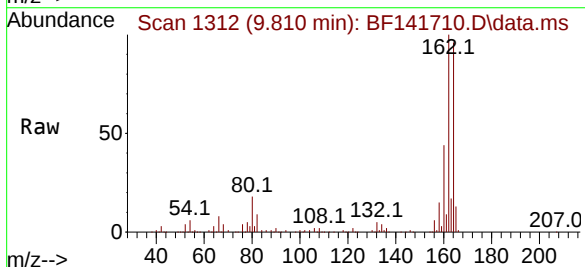
Instrument :
BNA_F
ClientSampleId :
PB166801BL

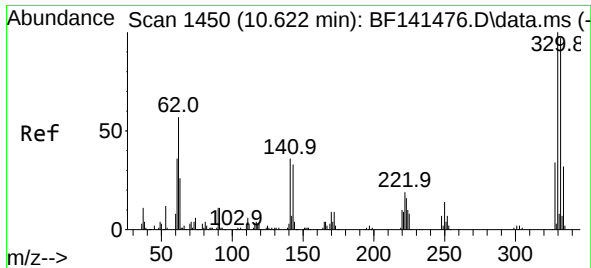
Tgt Ion: 82 Resp: 638728
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.024 min
Lab File: BF141710.D
Acq: 21 Feb 2025 10:15

Tgt Ion:164 Resp: 208634
Ion Ratio Lower Upper
164 100
162 103.9 81.3 121.9
160 46.0 35.9 53.9

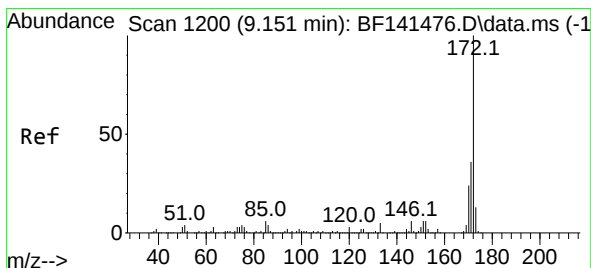
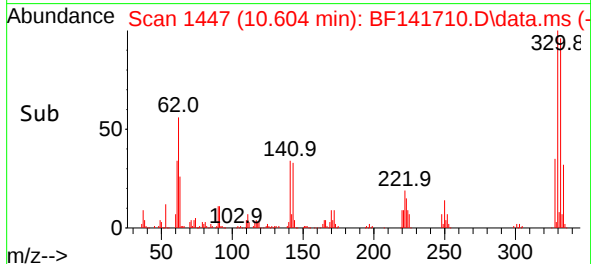
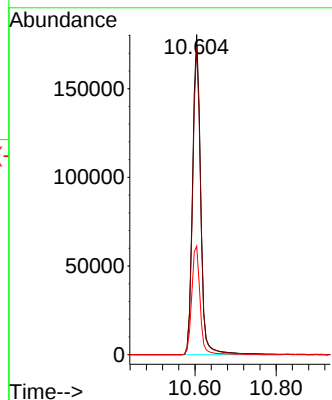
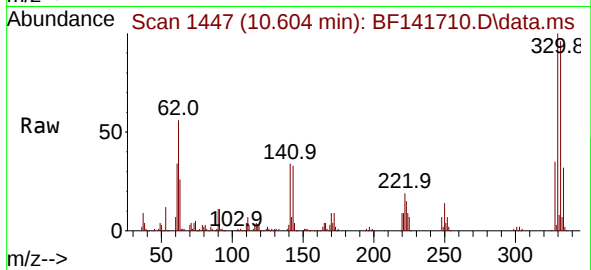




#42
2,4,6-Tribromophenol
Concen: 119.507 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141710.D
Acq: 21 Feb 2025 10:15

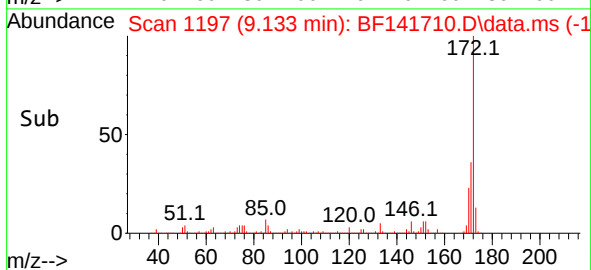
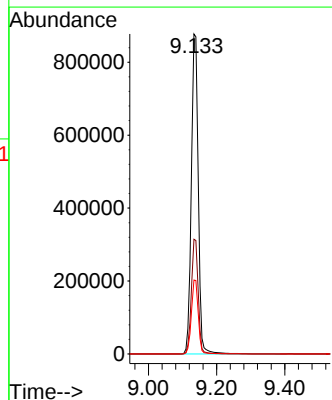
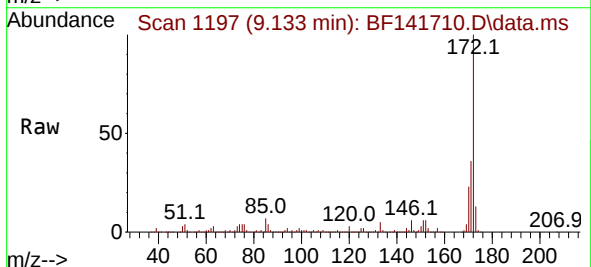
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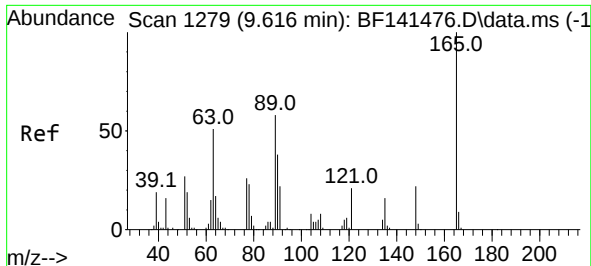
Tgt Ion:330 Resp: 250465
Ion Ratio Lower Upper
330 100
332 95.0 78.5 117.7
141 35.0 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 90.990 ng
RT: 9.133 min Scan# 1197
Delta R.T. -0.018 min
Lab File: BF141710.D
Acq: 21 Feb 2025 10:15

Tgt Ion:172 Resp: 1232193
Ion Ratio Lower Upper
172 100
171 35.9 28.7 43.1
170 23.1 18.9 28.3

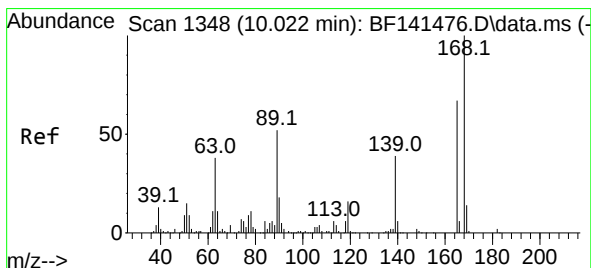
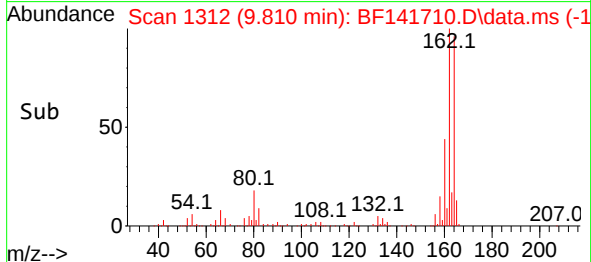
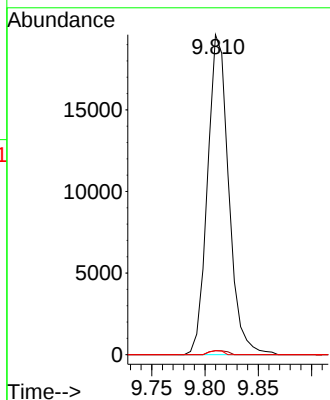
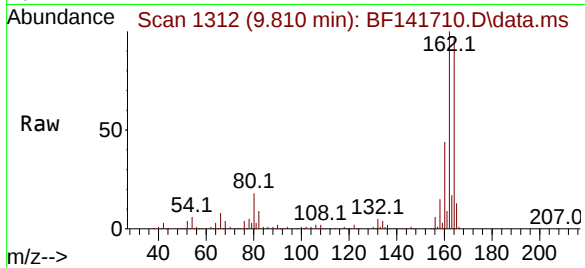




#51
2,6-Dinitrotoluene
Concen: 8.781 ng
RT: 9.810 min Scan# 1312
Delta R.T. 0.188 min
Lab File: BF141710.D
Acq: 21 Feb 2025 10:15

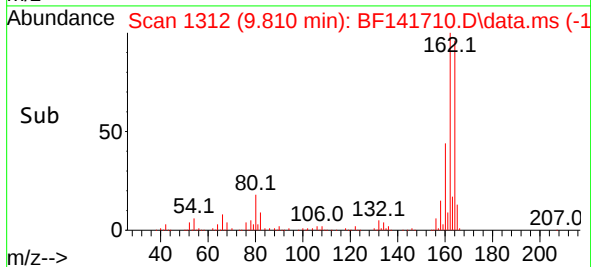
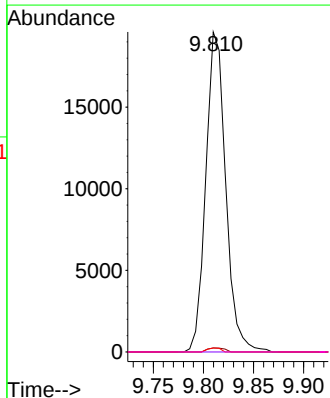
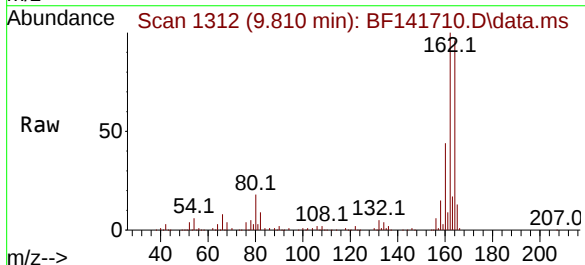
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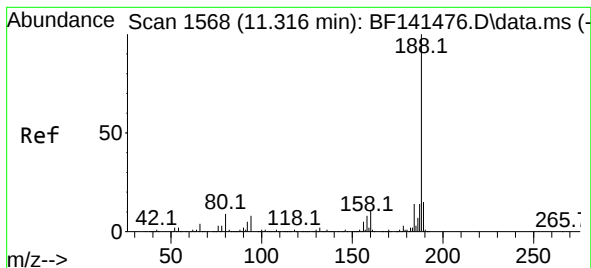
Tgt Ion:165 Resp: 27189
Ion Ratio Lower Upper
165 100
63 1.2 49.4 74.0#
89 1.3 46.5 69.7#



#57
2,4-Dinitrotoluene
Concen: 6.596 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.218 min
Lab File: BF141710.D
Acq: 21 Feb 2025 10:15

Tgt Ion:165 Resp: 27190
Ion Ratio Lower Upper
165 100
63 1.2 46.4 69.6#
89 1.3 61.8 92.6#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF141710.D

Acq: 21 Feb 2025 10:15

Instrument :

BNA_F

ClientSampleId :

PB166801BL

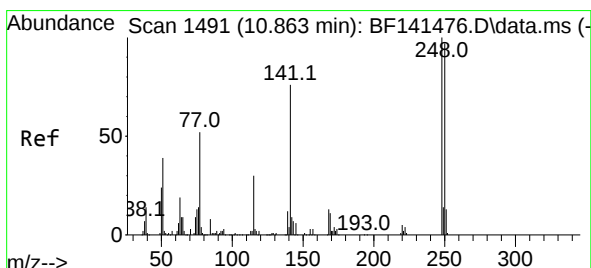
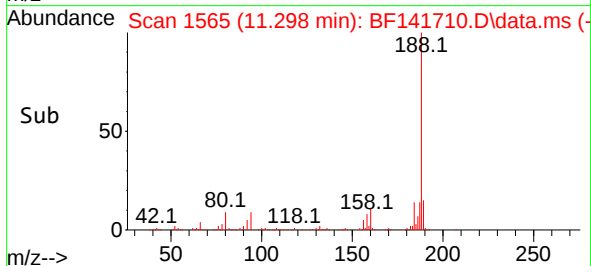
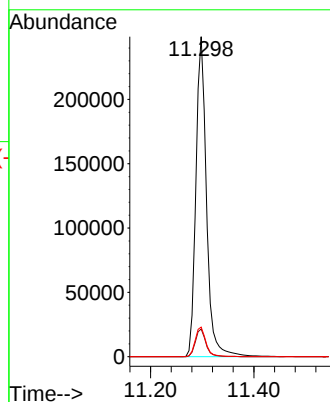
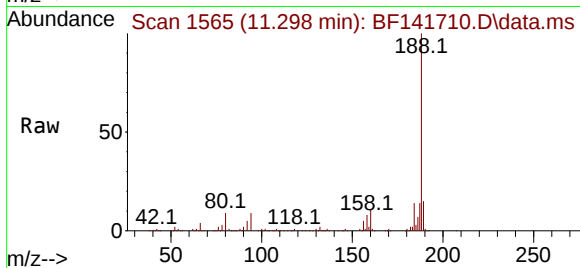
Tgt Ion:188 Resp: 354240

Ion Ratio Lower Upper

188 100

94 8.6 6.6 10.0

80 9.3 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 4.338 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.259 min

Lab File: BF141710.D

Acq: 21 Feb 2025 10:15

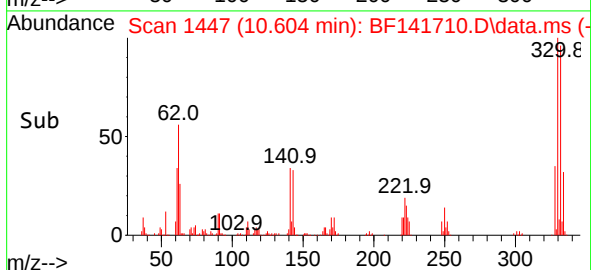
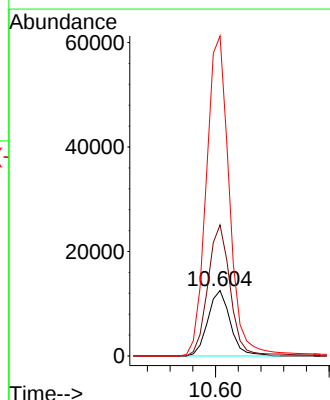
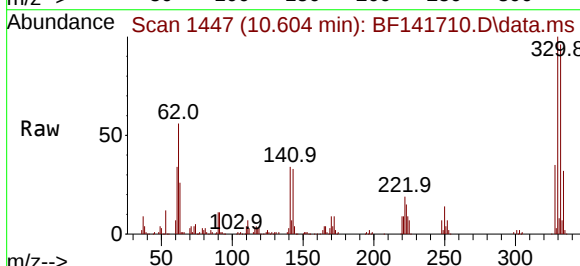
Tgt Ion:248 Resp: 17176

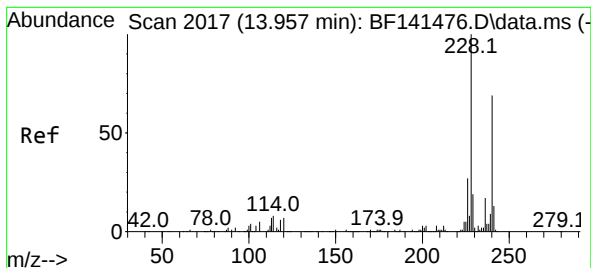
Ion Ratio Lower Upper

248 100

250 200.0 77.8 116.6#

141 488.6 60.6 90.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 20

Delta R.T. -0.029 min

Lab File: BF141710.D

Acq: 21 Feb 2025 10:15

Instrument :

BNA_F

ClientSampleId :

PB166801BL

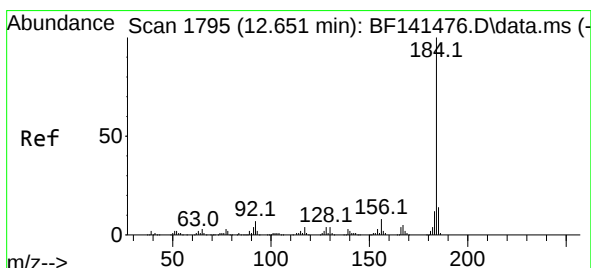
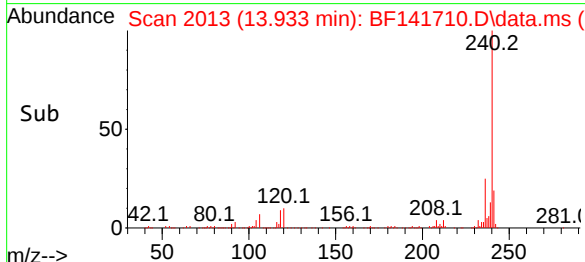
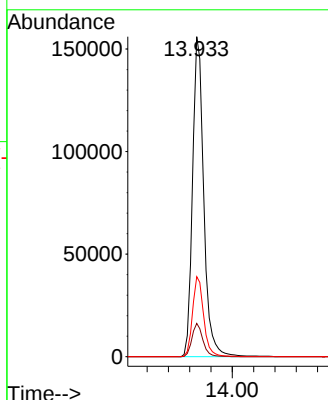
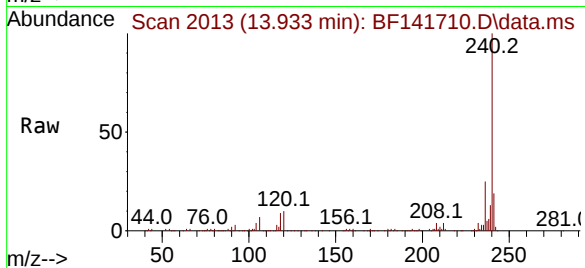
Tgt Ion:240 Resp: 229001

Ion Ratio Lower Upper

240 100

120 10.4 8.0 12.0

236 25.0 19.8 29.8



#77

Benzidine

Concen: 3.363 ng

RT: 12.880 min Scan# 1834

Delta R.T. 0.224 min

Lab File: BF141710.D

Acq: 21 Feb 2025 10:15

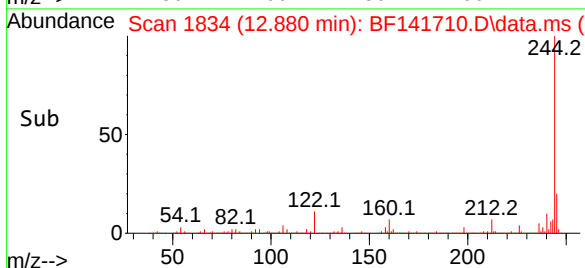
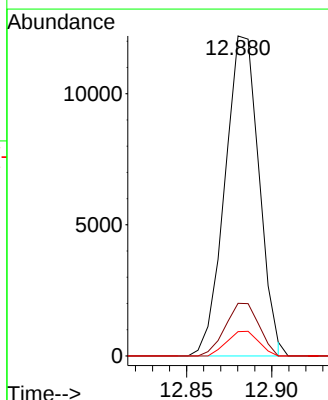
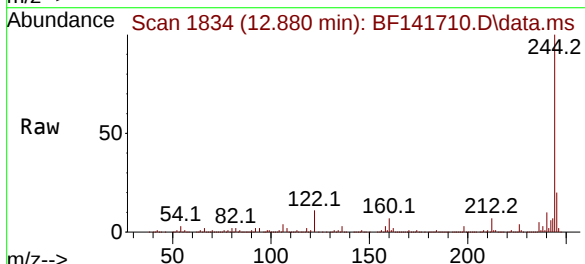
Tgt Ion:184 Resp: 16987

Ion Ratio Lower Upper

184 100

185 16.4 11.3 16.9

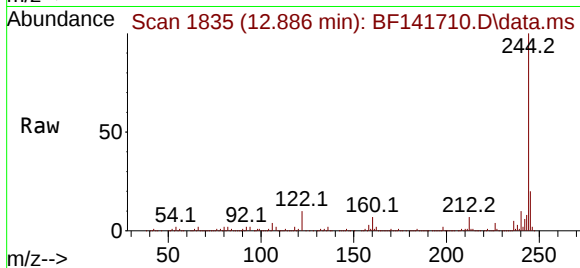
183 7.6 9.3 13.9#





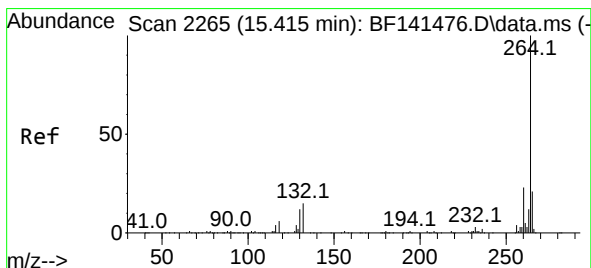
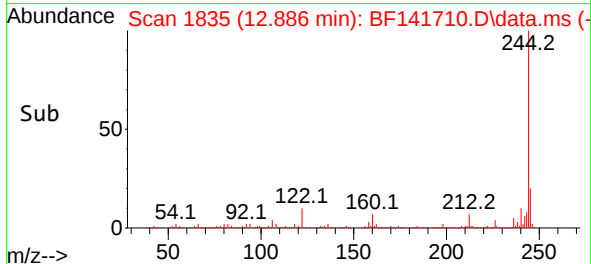
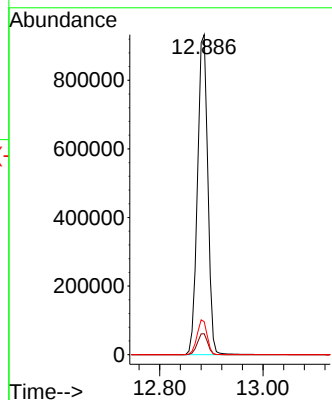
#79
 Terphenyl-d14
 Concen: 95.053 ng
 RT: 12.886 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF141710.D
 Acq: 21 Feb 2025 10:15

Instrument :
 BNA_F
 ClientSampleId :
 PB166801BL



Tgt Ion:244 Resp: 1289401

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	10.3	8.4	12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.380 min Scan# 2259
 Delta R.T. -0.035 min
 Lab File: BF141710.D
 Acq: 21 Feb 2025 10:15

Tgt Ion:264 Resp: 177593

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	21.7	17.0	25.4

